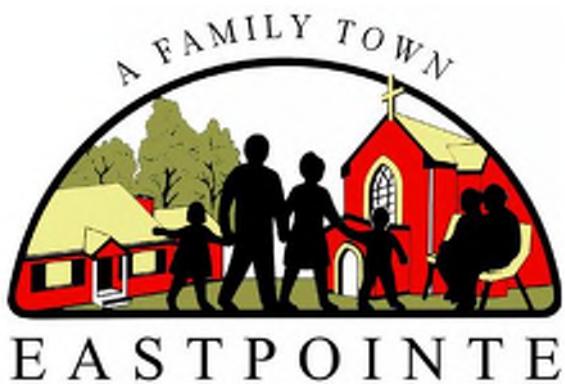


# CITY OF EASTPOINTE

## WASTEWATER ASSET MANAGEMENT PLAN



OCTOBER 2017

**AEW Project No. 0145-0458  
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## EXECUTIVE SUMMARY

The City of Eastpointe is home to over 34,000 residents in an area comprising 5.1 square miles. The majority of the City has a combined wastewater and stormwater system while the northeast corner of the city is served by a separated system. The separated system is located in the area from Nine Mile Road to Ten Mile Road and from Schroeder Street to Interstate-94. City Council applied for, and was awarded a grant through the Department of Environmental Quality's Stormwater, Asset Management, and Wastewater (SAW) Program. This grant has allowed the City enough funds to create a long term plan to manage their wastewater system's needs.

The City of Eastpointe was awarded a grant for \$701,919 to investigate and evaluate the City's wastewater assets. Eastpointe qualified for disadvantaged community status for their wastewater system which means that no local match was required. Specifically the SAW grant awarded was for investigating and developing a Wastewater Asset Management Plan for the City. Through development and implementation of the plan, insight and understanding of the wastewater system's assets has significantly improved. A comprehensive investigation included inventory and inspection of wastewater assets, condition assessment of assets, capital improvement needs, and enhancement of the existing Geographic Information System (GIS) which includes mapping, database and system information that was previously not available.

Recognizing the complexity of developing and implementing a comprehensive and viable Wastewater Asset Management Plan, AEW proceeded with cataloging and evaluating the City's wastewater assets. A multi-phased approach was taken in which communication and interaction played a major role. This included a complex mixture of fact finding, criteria development, professional judgment, staff knowledge of the system, and common sense.

Eastpointe's wastewater assets located throughout the city include over 134 miles of enclosed sewer (72" diameter or less), 5,860 wastewater structures, and 1 pump station. A condition assessment was performed on selected wastewater sewers and structures. The condition assessment for the wastewater sewers was performed by means of closed circuit television (CCTV), while investigation of wastewater structures were performed by means of visual assessment.

Assets were then analyzed to determine their Probability of Failure (POF) and Consequence of Failure (COF). The POF of an asset takes into account the condition rating and the useful life expended while the COF takes into account financial, safety and environmental impacts. POF and COF scores were determined for each asset and then multiplied together resulting in the Business Risk Exposure (BRE) score, also known as the criticality score. The BRE score is used to prioritize what assets are most critically in need of repair. A wastewater sewer with a BRE score of 5 or greater is considered critical while a wastewater structure with a BRE score of 8 or greater is considered critical.

The City of Eastpointe's wastewater system has numerous assets with BRE scores that exceed the critical ratings. Based on the current assessments and projections, the following assets are considered critical:

- Over 86,000 feet of wastewater sewer (Over 119,000 feet projected)
- 1,175 wastewater structures (2,070 projected)

Based on the assets inspected a Capital Improvement Plan was created. From the findings and projections it was determined that it would cost the City approximately \$13,400,000.00 to repair all of its critical assets. The City decided to allot just over \$1,900,000.00 annually for 8 years to repair these critical assets. Contingency costs and costs to keep the asset management program updated over the 8 year period are included in the annual cost. The projected costs give an estimate as to how many assets are in need of repair or replacement, however it does not give insight as to where in the City these assets are located. In order to

determine the location of these assets it is recommended that in addition to the rehabilitation of critical assets an annual maintenance and investigation program be implemented. An annual program will give insight as to the actual condition of all of the City's assets and provide real time information ensuring the Asset Management Plan is continually updated. The estimated cost to investigate the rest of the City's assets is included in the annual Capital Improvement Plan cost.

The findings and recommendations included in this report are not intended to change land use or policies of the city, but to provide guidance and affordable alternatives for managing the City's wastewater needs. While it is important to expeditiously complete studies and investigations, it is also imperative that staff, managers and users are allowed sufficient time to absorb the benefits of this program. Under this multi-phased approach, many of the phases are proposed concurrently with the completion of each phase to occur in a logical sequence. It was understood from the inception of this investigation that the research and findings presented, were to provide direction and insight into Eastpointe's wastewater system. This Executive Summary provides a brief overview of the investigation, and evaluation of the system assets, condition, operation and needs. A more comprehensive discussion follows in the body of this report

## 1.0 INTRODUCTION

The City of Eastpointe currently owns and operates the City's wastewater system with a limited funding source. Much of the City's wastewater system's condition was not known prior to this asset management plan. This asset management plan made it possible to predict which assets need repair/replacement and created a strategy to do so.

In 2012 the Michigan State Legislature passed Public Acts 511, 560, and 562 which allowed municipalities the opportunity to receive up to \$2,000,000 in Stormwater, Asset Management, and Wastewater (SAW) program grant funding through the Michigan Department of Environmental Quality (MDEQ). The City of Eastpointe was awarded a grant for \$701,919, with no local match as Eastpointe qualified for disadvantaged community status, to evaluate the City's wastewater system. The City of Eastpointe used the grant money to develop a wastewater Asset Management Plan (AMP). Asset Management, as defined by the International Infrastructure Management Manual, is

“Meeting a required level of service in the most cost-effective way through the creation, acquisition, operation, maintenance, rehabilitation, and disposal of assets to provide for present and future customers.”

With the continually aging wastewater infrastructure, and inadequate resources (equipment, labor and funding) to evaluate the system, the City of Eastpointe used the grant money to develop a wastewater Asset Management Plan (AMP). In addition to compiling an inventory of all of the combined sewer leads from catch basins to combined manholes and inspection of all catch basin that outlet to a combined manhole, the wastewater AMP will complete the following items,

1. Determine the level of service of Eastpointe's wastewater system.
2. Designate the criticality of all assets.

3. Analyze costs associated with long term O & M strategies and support of the assets management program.
4. Consider long-term funding & capital improvement planning for wastewater assets.
5. Recommend an implementation schedule for the asset management program.

After completing the wastewater AMP the City will be able to maintain the wastewater infrastructure at the desired level of service to provide for current and future use.

## 2.0 SYSTEM CHARACTERISTICS

The City of Eastpointe's wastewater system is comprised of wastewater sewers, structures, and one pump station. The City currently owns over 134 miles of wastewater sewers (72" diameter or less) and over 5,800 wastewater structures. City owned wastewater related assets that were investigated with funding from the SAW grant have been cataloged and stored in the City's geodatabase. The geodatabase is also filled with CCTV and rehabilitation project information on wastewater assets that dates back to 2007. These assets have been included in the asset management plan. This geodatabase serves as the data repository for all GIS related information for the City, providing efficient and accurate means of maintaining and updating asset inventories and information, as well as providing for improved data dissemination across the organization. Database schemas have been reviewed and revised as part of this project, ensuring that the most relevant data pertaining to these wastewater system assets is accounted for in the database. Media such as manhole and CCTV video reports, photographs and video files from the condition assessments have also been made easily accessible through the data housed in this geodatabase.

### 3.0 ASSET REGISTRY

Not all assets are equally critical to a utility's operation. Some assets are extremely critical to the system while others are less critical. In order to determine the criticality of assets there are two important questions asked,

- 1.) What is the probability an asset will fail?
- 2.) What is the consequence of failure?

In order to determine the probability of failure (POF) of an asset there are many factors that must be considered including age, condition of asset, failure history, historical knowledge, experience with the type of asset, maintenance records, and knowledge regarding how the asset is likely to fail. The consequence of failure (COF) is also dependent on many factors including, cost of repair, social cost, costs associated with damage caused by the failure, and environmental costs created by the failure.

Assigning criticality is the result of examining both the POF and COF. Assets which have the greatest POF and COF will be the assets that are most critical. The criticality score is determined by multiplying the POF and COF scores. The POF scores range from 1 to 5 while the COF scores range from 1.5 to 3 for sewers and 2.2 to 5 for structures resulting in criticality scores potentially ranging from 1.5 to 25. A wastewater sewer with a criticality score of 5 or greater is considered critical while a wastewater structure with a criticality score of 8 or greater is considered critical.

The subsequent sections will discuss how the condition assessment was performed, how the POF and COF were calculated, and the resulting criticality score for each asset. Location maps for the wastewater sewers and structures investigated can be found in Appendix A.

### 3.1 *Wastewater Sewer Lines*

#### 3.1.1 *Condition Assessment*

The City of Eastpointe currently owns over 134 miles of wastewater sewers ranging in size from 6 inches to 72 inches. A wastewater sewer is considered any sanitary or combined sewer as well as any storm sewer that outlets to a sanitary or combined structure or sewer. A condition assessment was completed for sewer lines through a CCTV investigation program. Table 1 shows the length of wastewater sewer televised (from 2007 to 2017) versus the amount of sewers in the entire City by diameter. The investigation generated a Pipeline Assessment Certification Program (PACP) rating for each segment of pipe. The PACP rating system assigns a 1 to 5 rating to each defect found in a pipe, whereby 1 indicates new or excellent condition and 5 indicates failure or imminent failure. Defects are divided into two categories, structural defects and operation and maintenance (O&M) defects. Structural defects include cracks, deformation, and pipe collapse while O&M defects include deposits, defective taps, and infiltration. Table 2 summarizes the proportional dissemination of the 515,104 feet of wastewater sewer lines televised. Based on the ratio of these findings, the dissemination for the 709,904 total feet of city owned wastewater sewer was projected and shown in Table 3. Maps depicting the location of the pipes and their assigned PACP scores can be found in Appendix B. Note: Sewers 72" and greater not include in report.

It is worth noting that the one (1) pump station in Eastpointe has been rebuilt this year so a condition assessment was not completed for it. A recommendation to have the pump station investigated at least once a year is included in section 7.0 Conclusion.

**CITY OF EASTPOINTE - WASTEWATER ASSET MANAGEMENT PLAN**

Diameter (inch)	Entire City Length (feet)	CCTV Length (feet)	Percent Televised
6	161	108	67%
8	2,351	1,285	55%
10	67,522	52,103	77%
12	234,529	173,713	74%
15	60,427	47,608	79%
16	2,270	0	0%
18	85,849	64,457	75%
21	64,771	50,194	77%
24	61,919	40,041	65%
27	26,802	20,744	77%
30	18,449	12,396	67%
33	4,094	4,092	100%
36	16,120	12,199	76%
42	19,861	11,178	56%
48	11,215	10,119	90%
54	8,991	2,900	32%
60	8,094	5,256	65%
66	4,145	214	5%
72	12,333	6,496	53%
Total	709,904	515,104	73%

Table 1: Wastewater Sewer Investigated vs. Wastewater Sewer in Entire City

Diameter (inch)	Structural Rating (feet)				
	1	2	3	4	5
6	96	12	0	0	0
8	909	129	247	0	0
10	29,943	4,030	10,995	5,887	1,248
12	99,397	24,003	37,588	7,903	4,823
15	39,610	1,793	3,238	1,753	1,214
16	0	0	0	0	0
18	52,980	4,178	3,959	2,149	1,191
21	38,260	4,675	4,573	1,714	972
24	31,739	3,494	3,674	380	754
27	20,744	0	0	0	0
33	12,350	46	0	0	0
30	4,092	0	0	0	0
36	12,199	0	0	0	0
40	7,898	3,280	0	0	0
42	10,119	0	0	0	0
54	2,900	0	0	0	0
60	5,256	0	0	0	0
66	214	0	0	0	0
72	6,375	121	0	0	0
Total	375,081	45,761	64,274	19,786	10,202
					Total 515,104

Table 2: Wastewater Sewer Structural Rating – Inspected

Diameter (inch)	Structural Rating (feet)				
	1	2	3	4	5
6	144	18	0	0	0
8	1,664	236	452	0	0
10	38,804	5,223	14,249	7,629	1,617
12	134,194	32,407	50,747	10,670	6,511
15	50,275	2,276	4,110	2,225	1,541
16	0	0	0	2,270	0
18	70,563	5,565	5,273	2,862	1,586
21	49,371	6,033	5,901	2,212	1,254
24	49,081	5,403	5,681	588	1,166
27	26,802	0	0	0	0
33	18,381	68	0	0	0
30	4,094	0	0	0	0
36	16,120	0	0	0	0
40	14,033	5,828	0	0	0
42	11,215	0	0	0	0
54	8,991	0	0	0	0
60	8,094	0	0	0	0
66	4,145	0	0	0	0
72	12,103	230	0	0	0
Total	518,074	63,285	86,413	28,456	13,676
					Total
					709,904

Table 3: Wastewater Sewer Structural Rating – Projected

### 3.1.2 Sewer Criticality

Of the many factors that can be used to calculate the probability of failure, the structural rating of the wastewater sewers was ultimately determined to be the driving factor, therefore the structural rating of each wastewater sewer is the resulting POF score.

The consequence of failure was calculated using three driving factors: pipe size, road type, and location. Each factor is assigned a numerical value ranging from one half (0.5) to one (1) as follows,

- 1.) Pipe Size – Pipes with larger diameters are expected to pass much more flow than smaller diameter pipes. As pipe size increases so does the consequence of failure. Therefore, each pipe size was assigned a factor score as shown in Table 4.

Pipe Diameter (inch)	Score	Pipe Diameter (inch)	Score
6	0.5	27	0.8
8	0.5	30	0.8
10	0.5	33	0.8
12	0.5	36	0.8
15	0.6	42	1.0
16	0.6	54	1.0
18	0.6	60	1.0
21	0.6	66	1.0
24	0.8	72	1.0

Table 4: Pipe Diameter COF Factor Score Criteria

- 2.) Road Type – The type of road a sewer is located under or within the right-of-way (ROW) of contributes to the COF. Sewers which were located under or within the ROW of a major road were given a score of one (1.0); those located on local streets were assigned a factor score of one half (0.5). The following were considered major roads in Eastpointe: 10 Mile Rd, Stephens Rd, 9 Mile Rd, Toepfer Rd, 8 Mile Rd, Hayes Ave, Gratiot Ave, and Kelly Rd.
- 3.) Location – If a wastewater sewer is located within the pavement of a road (within back of curb to back of curb) it was determined to have a higher consequence of failure than a sewer located outside the pavement of a roadway. Sewers located within pavement of a road were assigned a factor score of one (1.0); those located outside of the pavement of a road way were given a score of one half (0.5).

Once the COF factor scores have been calculated the COF of the wastewater sewer is then calculated by summing the factor scores.

The criticality score is then determined by multiplying the POF and COF scores. Eastpointe's wastewater pipes yielded a minimum criticality score of 1.5, a maximum score of 12.5, and an average criticality score of 3.6. Table 5 and Table 6 show the length of wastewater sewers in each criticality grouping for sewers

inspected and projected. A total of 1,135 wastewater sewer segments inspected, totaling 86,419 feet, fell into the critical rating of 5 or greater. 16.8% of the sewers investigated had a critical score of 5 or greater. It is projected that around 119,100 feet of sewer in the entire City has a critical rating of 5 or greater. The full criticality analysis can be found in Appendix E.

Criticality Score	Length (ft)	Percent
BRE < 2	168,310	33%
2 ≥ BRE < 3	205,179	40%
3 ≥ BRE < 4	12,455	2%
4 ≥ BRE < 5	42,742	8%
5 ≥ BRE < 6	21,297	4%
6 ≥ BRE < 7	36,508	7%
BRE ≥ 7	28,613	6%
Total	515,104	100%

Table 5: Wastewater Sewer Criticality - Inspected

Criticality Score	Length (ft)	Percent
BRE < 2	231,961	33%
2 ≥ BRE < 3	282,773	40%
3 ≥ BRE < 4	17,165	2%
4 ≥ BRE < 5	58,906	8%
5 ≥ BRE < 6	29,351	4%
6 ≥ BRE < 7	50,314	7%
BRE ≥ 7	39,434	6%
Total	709,904	100%

Table 6: Wastewater Sewer Criticality – Projected

### 3.1.3 Rehabilitation/Replacement

Four methods were considered for the rehabilitation/replacement of wastewater sewers including open cut, full cured in place pipe (FCIPP), sectional cured in place pipe (SCIPP), and the construction of new manhole along a pipe segment. Open cut replacement consists of fully excavating the existing sewer line, removing it, and installing a new line, while FCIPP and SCIPP consists of threading a lining through an existing manhole or access point, requiring little to no

excavation. Table 7 shows the average unit cost used for estimating repairs for open cut, FCIPP, SCIPP, and construction of a manhole.

	PIPE SIZE (IN)	FCIPP	SCIPP						BUILD MH	OPEN CUT REPAIR		LINING EXTRAS	
			3'	6'	10'	15'	20'	25'		EST. COST	DIG MAIN LINE	DIG LAT RY	REOPEN
PIPE SIZE (IN)	8	\$45	\$2,500	\$2,750	\$3,000	\$3,100	\$3,200	\$3,400	\$6,000	\$8,500	\$6,000	\$500	\$500
	10	\$45	\$2,500	\$2,750	\$3,000	\$3,100	\$3,200	\$3,400		DIG MAIN LINE ESMT.	DIG LAT FY		
	12	\$60	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500		\$10,000	\$5,000		
	15	\$65	\$3,500	\$3,600	\$3,700	\$3,800	\$3,900	\$4,000					
	18	\$75	\$4,000	\$4,100	\$4,200	\$4,300	\$4,400	\$4,500					
	21	\$95	\$4,500	\$4,600	\$4,700	\$4,800	\$4,900	\$5,000					
	24	\$110	\$5,000	\$5,100	\$5,200	\$5,300	\$5,400	\$5,500					
	27	\$125	\$5,500	\$5,600	\$5,700	\$5,800	\$5,900	\$6,000					
	30	\$150											
	36	\$200											
	42	\$250											
	48	\$300											

Table 7: Wastewater Sewer Rehabilitation – Unit Costs

The quantity and location of lateral house sewer leads as well as the cost to repair laterals along a sewer line was recorded in Appendix F and G. The lateral repair costs are shown in the appendices but not included in any costs shown in section 6.0 Capital Improvement Plan. Currently, the repair cost of a defected lateral is the responsibility of the homeowner. Photos and recommendations are given to homeowners if their lateral is deemed defected from the CCTV review. It is then up to the homeowner to decide if they want to repair their lateral or not. Lateral repair costs are only being recorded so that if future funding becomes available to repair defective laterals an estimate is readily available.

All other unit costs were applied to all pipe segments which warranted rehabilitation or replacement, the resulting costs can be found in Section 6.0 Capital Improvement Plan.

### 3.2 Wastewater Structures

#### 3.2.1 Condition Assessment

The City's wastewater system contains approximately 5,860 wastewater structures. Of the 5,860 structures 3,326 have been inspected. A wastewater structure is considered any sanitary or combined manhole as well as any catch basin with sewer leads that outlet to a sanitary or combined structure/sewer. The wastewater structure inspections were performed by Manhole Assessment Certification Program (MACP) certified inspectors of Anderson, Eckstein and Westrick, Inc. Each structure was rated on a 1 to 5 scale, where 5 indicates failure or imminent failure and 1 indicates new or excellent condition. The inspection process yielded information pertaining to structure location, depth, inverts, material, size and much more. Table 8 summarizes the ratings for the inspected structures while 9 shows the projected dissemination of the total amount of wastewater structures in the City. Supporting data for the structure ratings can be found in Appendix H.

Rating	Storm MH	Combined MH	Sanitary MH	Catch Basin	
5	0	0	0	8	
4	0	118	9	172	
3	5	281	2	179	
2	77	401	2	2,061	
1	0	0	0	11	
Total	82	800	13	2,431	
					Total
					3,326

Table 8: Wastewater Structure Ratings – Inspected

Rating	Storm MH	Combined MH	Sanitary MH	Catch Basin	
5	0	0	0	11	
4	0	279	233	231	
3	22	665	52	241	
2	342	948	52	2,771	
1	0	0	0	15	
Total	364	1,892	336	3,268	
					Total
					5,860

Table 9: Wastewater Structure Ratings – Projected

### **3.2.2 *Structure Criticality***

Of the many factors that can be used to calculate the probability of failure, the MACP certified inspector's rating of the wastewater structures was ultimately determined to be the driving factor, therefore the overall rating of each wastewater structure is the POF score.

The consequence of failure was calculated using five driving factors: structure type, physical location, structure size, structure depth, and road type. Each factor is assigned a numerical value ranging from one fifth (0.2) to one (1) as follows,

- 1.) Structure Type - The type of wastewater structure was considered as a factor for the consequence of failure. Manholes were assigned a factor score of one (1.0) while catch basins were given a score of one half (0.5). Manholes tend to service multiple sewers while catch basins usually serve fewer. Failure of a manhole will cause a greater harm to the wastewater system than the failure of a catch basin.
- 2.) Physical Location – If a wastewater structure is located within the pavement of a road way (within back of curb to back of curb) it was determined to have a higher consequence of failure than a structure located outside the pavement. Structures located within the pavement were assigned a factor score of one (1.0); those located outside of the pavement were assigned a factor score of one half (0.5).
- 3.) Structure Size – Table 10 shows the number of wastewater structures per diameter. As a structures size increases it generally contains larger pipes and more flow, resulting in a higher consequence of failure. Each structure size was assigned a factor score according to Table 11.

Diameter (inch)	Structures - GIS	Structures - Inspected	Percent
18	1,040	965	93%
24	820	735	90%
30	37	35	95%
36	165	145	88%
42	268	236	88%
48	1,255	1,151	92%
54	7	3	43%
60	22	17	77%
66	0	0	100%
72	1	1	100%
Missing Dia. Info.	2,245	38	2%
Total	5,860	3,326	57%

Table 10: Structure Size – Inspected vs. Structures in GIS Data Base

Structure Diameter (inch)	Score	Structure Diameter (inch)	Score
18	0.5	48	0.8
24	0.5	54	0.8
30	0.5	60	1.0
36	0.5	66	1.0
42	0.8	72	1.0

Table 11: Structure Size COF Factor Scores

- 4.) Structure Depth – As a structures depth increases the cost of repairing or replacing the structure increase, resulting in a higher consequence of failure. Each structure depth was assigned a factor score according to Table 12.

Structure Depth (ft)	Score
depth < 3'	0.2
3' ≥ depth < 5'	0.4
5' ≥ depth < 7'	0.6
7' ≥ depth > 9'	0.8
depth ≥ 9'	1.0

Table 12: Structure Depth COF Factor Scores

5.) Road Type – Similar to the COF for sewers the type of road, major or local, a structure is located within contributes to the COF score. Structures which were located within the ROW of a major road were given a score of one (1.0); those located on local streets were assigned a factor score of one half (0.5).

Once the factor scores have been calculated the consequence of failure of the wastewater structure is then calculated by summing the factor scores.

The criticality score is then determined by multiplying the POF and COF scores. Eastpointe's wastewater structures yielded a minimum criticality score of 2.7, a maximum score of 19.2, and an average criticality score of 7.9. Tables 13 and 14 show the number of wastewater structures observed and projected in each criticality grouping. Of the structures inspected a total of 1,175 wastewater structures received a critical rating of 8 or greater. It is projected that 2,071 structures fall into the category of a critical rating of 8 or greater for the entire city. The full criticality analysis can be found in Appendix H and I.

Criticality Score	Structures (Ea)
BRE < 4	11
4 ≥ BRE < 6	1,064
6 ≥ BRE < 8	1,076
8 ≥ BRE < 10	573
10 ≥ BRE < 12	189
BRE ≥ 12	413
Total	3,326

Table 13: Wastewater Structure Criticality Ratings – Inspected

Criticality Score	Structures (Ea)
BRE < 4	19
4 ≥ BRE < 6	1,875
6 ≥ BRE < 8	1,896
8 ≥ BRE < 10	1,010
10 ≥ BRE < 12	333
BRE ≥ 12	728
Total	5,860

Table 14: Wastewater Structure Criticality Ratings – Projected

### ***3.2.3 Rehabilitation/Replacement***

The MACP inspectors were given the option to select recommendations for rehabilitation and repair methods during their inspection. Table 15 shows the 20 different recommendations that were made available to the inspectors and how many times a single recommendation was chosen for a structure with a BRE score of 8 or greater. From the recommendations and structure information (diameter, structure type, pavement type, etc.) Table 16 was created. Table 16 includes the anticipated pay items and unit costs for each type of recommendation. This table was used to generate the projected costs for rehabilitation/replacement of structures in the section 6.0 Capital Improvement Plan.

Chimney Reconstruct	128
External Seal	0
Grout	6
Install Bench	9
Install Channel	10
Install Drop Connection	9
Internal Chimney Seal	125
Pavement Replacement	229
Point Pipes	31
Raise	2
Remove Calcite Buildup	1
Remove Debris	48
Replace Cone Section	3
Replace Cover	3
Replace Frame	8
Replace Manhole	184
Reset F&C w/Ext. Seal	100
Seal Lift Holes	4
Seal Wall Joints	63
Vactor Clean	82
Total Recommendations	1,045

Table 15: Structure Recommendations for Critical Structures

**CITY OF EASTPOINTE - WASTEWATER ASSET MANAGEMENT PLAN**

Recommendations	Anticipated Pay Items	Quantity	Units	Unit Price	Cost
<b>Chimney Reconstruct</b>	_Reconstruct Manhole Chimney	384	Ft	\$ 260.00	\$ 99,840.00
<b>External Seal</b>	_Exterior Manhole Chimney Seals - 18" Width	0	Ea	\$ 460.00	\$ -
<b>Grout</b>	Manhole Grout, Interior	6	Ea	\$ 100.00	\$ 600.00
<b>Install Bench</b>	_Manhole Flow Channel/Bench Installation	9	Ea	\$ 450.00	\$ 4,050.00
<b>Install Channel</b>	_Manhole Flow Channel/Bench Installation	10	Ea	\$ 450.00	\$ 4,500.00
<b>Install Drop Connection</b>	_Interior PVC Drop Connection	9	Ft	\$ 160.00	\$ 1,440.00
<b>Internal Chimney Seal</b>	_Internal Chimney Seal, 12 inch	1	Ea	\$ 150.00	\$ 150.00
	_Internal Chimney Seal, 18 inch	35	Ea	\$ 190.00	\$ 6,650.00
	_Internal Chimney Seal, 24 inch	6	Ea	\$ 225.00	\$ 1,350.00
	_Internal Chimney Seal, 30 inch	0	Ea	\$ 240.00	\$ -
	_Internal Chimney Seal, 36 inch	4	Ea	\$ 250.00	\$ 1,000.00
	_Internal Chimney Seal, 42 inch	12	Ea	\$ 290.00	\$ 3,480.00
	_Internal Chimney Seal, 48 inch	65	Ea	\$ 325.00	\$ 21,125.00
	_Internal Chimney Seal, 60 inch	2	Ea	\$ 480.00	\$ 960.00
	Pavt, Rem	3,664	Syd	\$ 25.00	\$ 91,600.00
	Pavt Repr, Nonreinf Conc, 9 inch	3,664	Syd	\$ 80.00	\$ 293,120.00
<b>Pavement Replacement</b>	Lane Tie, Epoxy Anchored	4,351	Ea	\$ 12.00	\$ 52,212.00
	<b>Point Pipes</b>	31	Ea	\$ 90.00	\$ 2,790.00
	Dr Structure Cover, Adj, Case 1	2	Ea	\$ 450.00	\$ 900.00
<b>Raise</b>	Dr Structure Cover, Adj, Case 2	0	Ea	\$ 325.00	\$ -
	Lane Tie, Epoxy Anchored	20	Ea	\$ 8.00	\$ 160.00
	Dr Structure, Adj, Add Depth	1	Ft	\$ 150.00	\$ 150.00
	Remove Calcite Buildup	1	Ea	\$ 100.00	\$ 100.00
<b>Remove Debris</b>	Remove Debris Manhole	48	Ea	\$ 50.00	\$ 2,400.00
<b>Replace Cone Section</b>	Replace Cone Section Manhole	3	Ea	\$ 450.00	\$ 1,350.00
<b>Replace Cover</b>	_Catch Basin Cover/Dr Str Cover	3	Ea	\$ 215.00	\$ 645.00
<b>Replace Frame</b>	_Catch Basin Cover/Dr Str Cover	8	Ea	\$ 215.00	\$ 1,720.00
<b>Replace Manhole</b>	Dr Structure, Rem	184	Ea	\$ 300.00	\$ 55,200.00
	Dr Stucture, 24 inch dia	177	Ea	\$ 1,050.00	\$ 185,850.00
	Dr Stucture, 36 inch dia	7	Ea	\$ 1,250.00	\$ 8,750.00
	Dr Stucture, 48 inch dia	0	Ea	\$ 1,500.00	\$ -
	Dr Stucture, 60 inch dia	0	Ea	\$ 2,350.00	\$ -
	Dr Stucture, 72 inch dia	0	Ea	\$ 3,300.00	\$ -
	Dr Structure Cover, Type B	0	Ea	\$ 300.00	\$ -
	_Catch Basin Cover	184	Ea	\$ 425.00	\$ 78,200.00
	Pavt Repr, Rem	2,912	Syd	\$ 25.00	\$ 72,800.00
	Pavt Repr, Nonreinf Conc, 8 inch	2,912	Syd	\$ 50.00	\$ 145,600.00
<b>Seal F&amp;C w/Ext. Seal</b>	Lane Tie, Epoxy Anchored	3,640	Ea	\$ 8.00	\$ 29,120.00
	Hand Patching	4	Ton	\$ 90.00	\$ 396.00
	_Install or Reset Existing Manhole Frame and Cover	100	Ea	\$ 450.00	\$ 45,000.00
<b>Seal Lift Holes</b>	_Seal Precast Lift Holes	4	Ea	\$ 75.00	\$ 300.00
<b>Seal Wall Joints</b>	Manhole Brick/BlockJoint Rpair	54	Ea	\$ 100.00	\$ 5,400.00
	_Manhole Precast Joint Repair	9	Ea	\$ 125.00	\$ 1,125.00
<b>Vactor Clean</b>	Vactor Clean Manhole	82	Ea	\$ 100.00	\$ 8,200.00
					<b>\$ 1,228,233.00</b>

Table 16: Wastewater Structure Rehab/Replacement – Inspected

## 4.0 REMAINING SERVICE LIFE

The remaining service life (RSL) of an asset is the design life less the years in service. The material, quality of construction, usage, and environment can all affect the RSL of storm sewer assets. The life of wastewater sewer lines and structures varies greatly from the design life making it very difficult to accurately predict the RSL. Continued re-evaluation and proper maintenance of all assets is essential in extending the RSL of storm sewer assets.

The following tables show the theoretical design life of pipes and structures based on their material. Most pipes and structures in Eastpointe were installed around the 1950's making them 60 to 70 years old.

Build	Theoretical Design Life (years)
Concrete	100
PVC	75
CMP	25
Truss	100
VCP	50
CIPP	50+

Table 17: Theoretical Design Life - Wastewater Pipes

Build	Theoretical Design Life (years)
Concrete	100
Brick	100
Block	100

Table 18: Theoretical Design Life - Wastewater Structures

It was found that 56.2% of wastewater pipes investigated were vitrified clay material, 26.9% concrete pipe, 14.3% cured in place pipe, and 2.6% was other materials. The results show the majority of the wastewater pipes having passed their design life.

For wastewater structures all of the materials used have a design life of 100 years resulting in all structures having approximately 30-40 years useful life remaining.

Another approach to determining the remaining service life is by examining the structural rating for sewers and the inspection rating for structures. Both use the same rating system shown in Table 19 below. From Table 2, 29,988 feet of sewer (5.8% of total) was given a structural rating of 4 or 5. From Table 8, 307 structures (9.2% of total) were given a rating of 4 or 5. This means that 5.8% of sewers and 9.2% of structures inspected are estimated to fail within 10 years. But these assets are included for rehabilitation/replacement in Table 24 of section 6.0 Capital Improvement Plan which is recommended to be completed within 8 years. Based on these results most of the wastewater assets are in fair to excellent condition and the ones in poor condition or need immediate attention are included in the Capital Improvement Plan.

1 – Failure unlikely (Excellent)
2 – Failure unlikely in 20 years (Good)
3 – Failure likely in 10 to 20 years (Fair)
4 – Failure likely in 5 to 10 years (Poor)
5 – Failed or will likely fail within 5 years (Immediate Attention)

Table 19: Structural Sewer Rating and Structure Inspection Rating Table

## 5.0 LEVEL OF SERVICE

To reasonably serve Eastpointe a desired Level of Service (LOS) must be established. Level of Service was defined in the 2011 International Infrastructure Management Manual as

“the outputs a customer receives from the organization”.

In terms of the City's wastewater system, the level of service would be the satisfaction of the residents, business owners and property owners. There are many factors that can affect the perceived LOS of the system including sewer backups, which can result in both street, yard and basement flooding. Eastpointe's wastewater system is currently operating at a satisfactory level of

service and will continue to do so through the continued maintenance, rehabilitation and replacement of its assets as presented in Section 6.0 Capital Improvement Plan.

## 6.0 CAPITAL IMPROVEMENT PLAN

A Capital Improvement Plan (CIP) provides for both capital projects and fiscal needs to coordinate the location, timing and financing or capital improvements over a 5 to 20 year period of time. Through the condition assessment and criticality calculations, a prioritized list of capital projects has been established. Table 20 represents the cost to repair or replace any wastewater sewer or structure which warranted repair or replacement based on their condition assessment; Table 21 represents the projected costs to repair or replace assets throughout the entire City. A detailed cost estimate can be found in Table 16 and Appendix F.

Asset	Total Cost
Wastewater Sewer	\$ 8,517,000.00
Wastewater Structure	\$ 1,703,000.00
Design/Const. Administration	\$ 2,044,000.00
<b>Total</b>	<b>\$ 12,264,000.00</b>

Table 20: Wastewater Assets Rehabilitation Costs – Inspected

Asset	Total Cost
Wastewater Sewer	\$ 11,738,000.00
Wastewater Structure	\$ 3,001,000.00
Design/Const. Administration	\$ 2,948,000.00
<b>Total</b>	<b>\$ 17,687,000.00</b>

Table 21: Wastewater Assets Rehabilitation Costs – Projected

The prioritization of rehabilitation and replacement locations was determined based on the criticality or BRE score. Any sewer with a criticality score of 5 or greater and any structure with a criticality score of 8 or greater was determined to be critical and therefore placed on the capital improvement list for rehabilitation or replacement. The total cost for critical assets inspected can be

found below in Table 22 and the projected cost for the critical assets in entire system can be found in Table 23. A full list of capital improvement rehabilitation and replacement locations for each asset can be found in Table 16 and Appendix G.

<b>Asset</b>	<b>Total Cost</b>
Wastewater Sewer	\$ 6,555,000.00
Wastewater Structure	\$ 1,200,000.00
Design/Const. Administration	\$ 1,551,000.00
<b>Total</b>	<b>\$ 9,306,000.00</b>

Table 22: Capital Improvement Plan Costs – Observed

<b>Asset</b>	<b>Total Cost</b>
Wastewater Sewer	\$ 9,034,000.00
Wastewater Structure	\$ 2,115,000.00
Design/Const. Administration	\$ 2,230,000.00
<b>Total</b>	<b>\$ 13,379,000.00</b>

Table 23: Capital Improvement Plan Costs – Projected

The projected costs give an estimate as to how many assets are in need of repair or replacement, however it does not give insight as to where in the City these assets are located. In order to determine the location of these assets it is recommended that in addition to the rehabilitation of critical assets an annual maintenance and investigation program be implemented. An annual program will give insight as to the actual condition of all of the City's assets and provide real time information ensuring the Asset Management Plan is continually updated. Table 24 presents the 8 year Capital Improvement Plan using the costs from Table 23 to ensure the wastewater system continues to operate at the desired level of service to provide for current and future use.

<b>Asset</b>	<b>Annual Cost</b>
Wastewater Sewer	\$ 1,129,250.00
Wastewater Structure	\$ 264,375.00
Design/Const. Administration	\$ 278,750.00
Asset Management	\$ 10,000.00
Condition Investigation	\$ 77,000.00
<b>Subtotal</b>	<b>\$ 1,759,375.00</b>
Contingency (10%)	\$ 175,940.00
<b>Total</b>	<b>\$ 1,935,315.00</b>

Table 24: 8 Year Capital Improvement Plan

Note:

- All Capital Improvement Plan costs shown in Table 24 are to be completed over an 8 year time frame.
- The Condition Investigation cost estimates the annual amount required to investigate all of the City's wastewater assets over an 8 year time frame.
- The Asset Management cost estimates the annual amount required to keep the wastewater infrastructure data up to date.
- The proposed improvements will be coordinated with the City's other infrastructure projects.

## 7.0 CONCLUSION

This Wastewater Asset Management Plan presents the methodology and findings of the condition assessment of Eastpointe's wastewater assets, including the five (5) criteria set forth as part of the Michigan Department of Environmental Quality Wastewater, Asset Management and Wastewater (SAW) Grant as follows:

1. Determining the level of service of the Eastpointe wastewater system.
2. Designating the criticality of all assets.
3. Cost analysis associated with long term operation and maintenance (O&M) strategies and support of the assets management program.

4. Development of a long-term funding/capital improvement plan for wastewater assets.
5. Develop an implementation schedule for the asset management program.

Based on the Asset Management Plan and system evaluation, there are wastewater sewers and structures currently in need of repairs.

It is the recommendation herein that the locations presented in the Capital Improvement Plan be repaired or replaced as follows:

#### Capital Improvement, Years 1 to 8

- Repair/replace wastewater sewers with a BRE score of 5 or higher.
- Repair/replace wastewater structures with a BRE of 8 or higher.
- Investigate the condition of assets that have not previously been inspected.

#### Capital Improvement, Years 9 to 15

- Repair/Replace assets based on updated Asset Management Plan.

In addition to the rehabilitation of assets determined in the Capital Improvement Plan the following are recommended:

- Continue with a CCTV program for the remainder of the storm sewer system over an 8 year period.
- Continue with a manhole and catch basin assessment program concurrent with the CCTV of the wastewater sewers.
- Inspect the City's lone pump station once a year at a minimum.

- Implement an O & M program to remedy issues that pertain to root intrusion and mineral deposits.
- Update the Asset Management Plan annually, incorporating newly collected data and improvements from construction projects.
- Develop and adopt policies to assess repair, and/or replace wastewater sewer assets concurrent with road construction projects.



**Department of Environmental Quality (DEQ)**  
**Stormwater, Asset Management, and Wastewater (SAW) Grant**  
**Wastewater Asset Management Plan**  
**Certification of Project Completeness**

**Completion Date** October 27, 2017  
(no later than 3 years from executed grant date)

The City of Eastpointe (*legal name of grantee*) certifies that all wastewater asset management plan (AMP) activities specified in SAW Grant No. 1417-01 have been completed and the implementation requirements, per Part 52 of the Natural Resources and Environmental Protection Act, 1994, PA 451, as amended, are being met. Section 5204e(3) requires implementation of the AMP and that significant progress toward achieving the funding structure necessary to implement the AMP be made within 3 years of the executed grant.

Please answer the following questions. If the answer to Question 1 is No, fill in the date of the rate methodology approval letter and skip Questions 2-4:

- 1) Funding Gap Identified: Yes or No

If No - Date of the rate methodology approval letter: June 7, 2017.

- 2) Significant Progress Made: Yes or No

(The DEQ defines significant progress to mean the adoption of an initial rate increase to meet a minimum of 10 percent of any gain in revenue needed to meet expenses, as identified in a 5-year plan to eliminate the gap. A copy of the 5-year plan to eliminate the gap must be submitted with this certification.)

- 3) Date of rate methodology review letter identifying the gap: \_\_\_\_\_.

- 4) An initial rate increase to meet a minimum of 10 percent of the funding gap identified was adopted on \_\_\_\_\_.

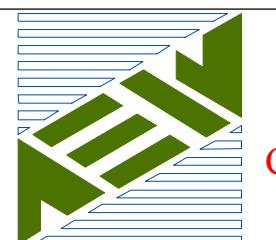
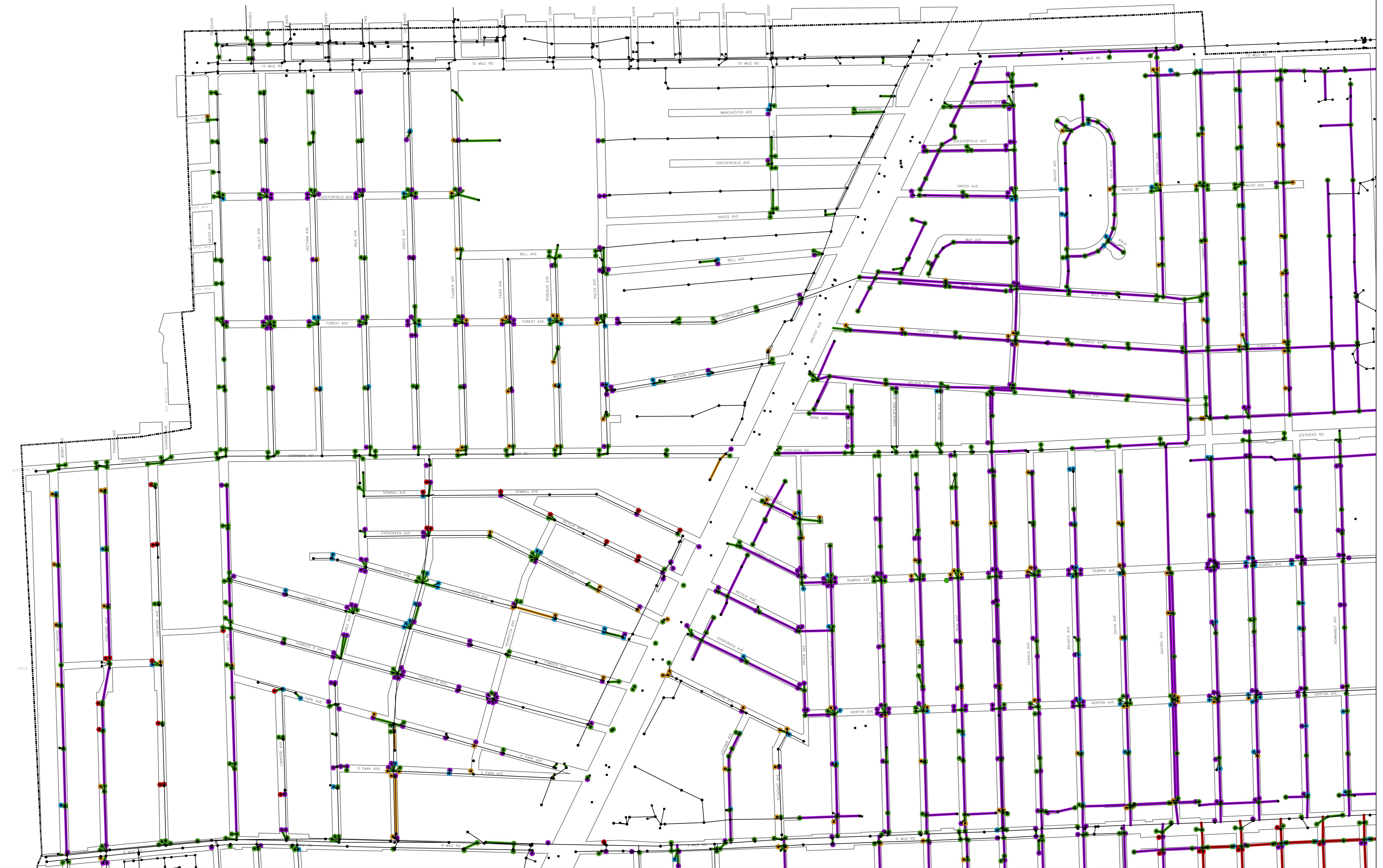
Attached to this certification is a brief summary of the AMP that includes a list of major assets. Copies of the AMP and/or other materials prepared through SAW Grant funding will be made available to the DEQ or the public upon request by contacting:

Joseph Merucci \_\_\_\_\_ at (586)204-3012 \_\_\_\_\_ jmerucci@eastpointecity.org  
Name Phone Number Email

Joseph Merucci \_\_\_\_\_  
Signature of Authorized Representative (Original Signature Required) \_\_\_\_\_ Date \_\_\_\_\_  
October 27, 2017

Joseph Merucci, Acting City Manager  
Print Name and Title of Authorized Representative

## Appendix A – Investigated Assets Maps



# **ANDERSON, ECKSTEIN AND WESTRICK, INC.**

Civil Engineers • Surveyors • Architects

51301 Schoenherr Road, Shelby Township, Michigan 48315  
Phone 586-726-1234 Fax 586-726-8780

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PLOT CONFIG:	24 X 36	PROJECT NO:	0145-0458
ATTACH XREF:	NONE	DRAWING FILE: Investigated Assets.mx	DRAWN BY: AWD



# *City of Eastpointe*

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## Investigated Sewer Assets Wastewater Asset Management Plan Area 1

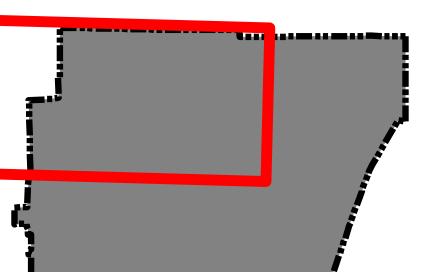
# Investigated Sewer Assets

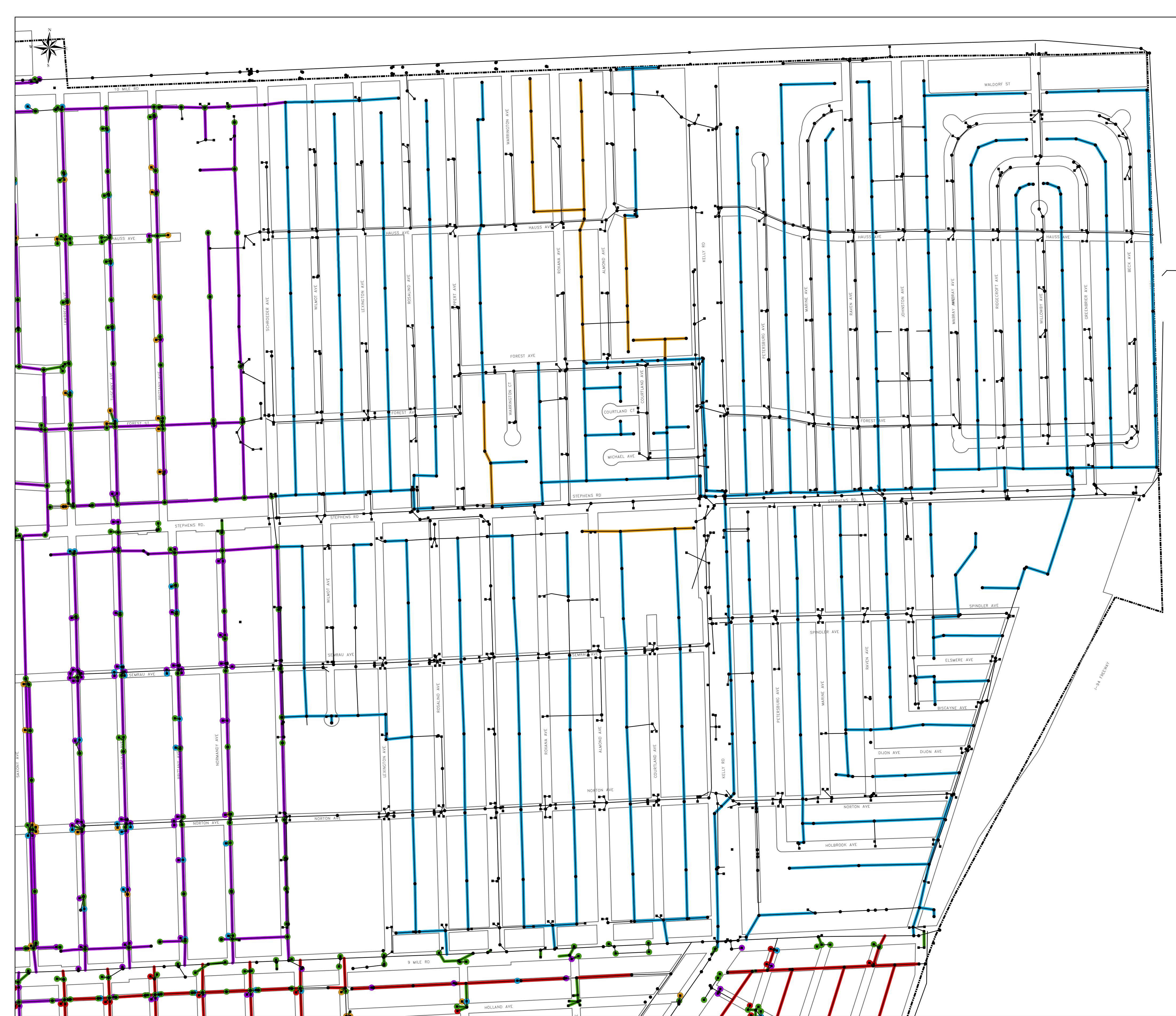
# Wastewater Asset Management Plan

## Area 1

# Legend

### **Year Investigated**

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ATTACH XREF:	NONE	DRAWING FILE:	Investigated Assets.mxd

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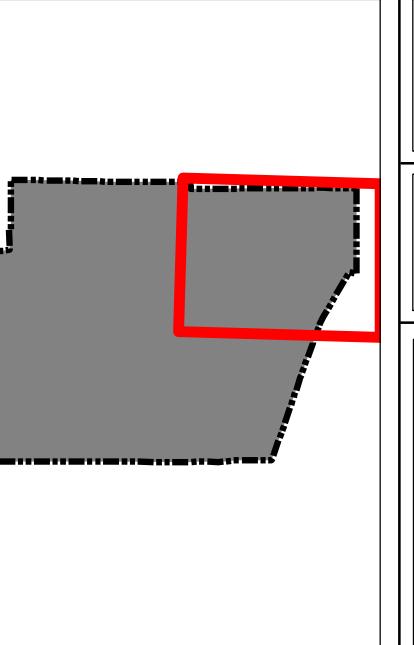
# City of Eastpointe

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Investigated Sewer Assets  
Wastewater Asset Management Plan  
Area 2

## Legend

Year Investigated	
2016	2016
2015 - 2016	2015 - 2016
2013	2013
2011 - 2012	2011 - 2012
2007	2007



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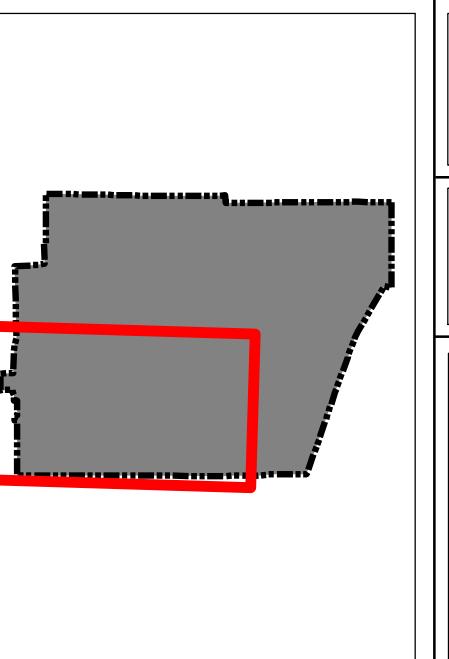
# City of Eastpointe

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Investigated Sewer Assets  
Wastewater Asset Management Plan  
Area 3

## Legend

Year Investigated	2016
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	2013
	2011 - 2012
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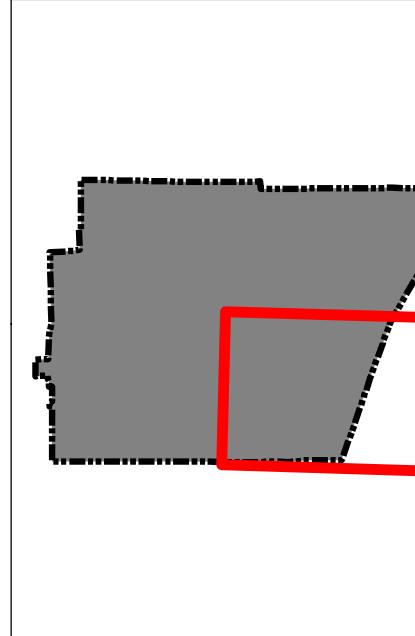
# City of Eastpointe

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Investigated Sewer Assets  
Wastewater Asset Management Plan  
Area 4

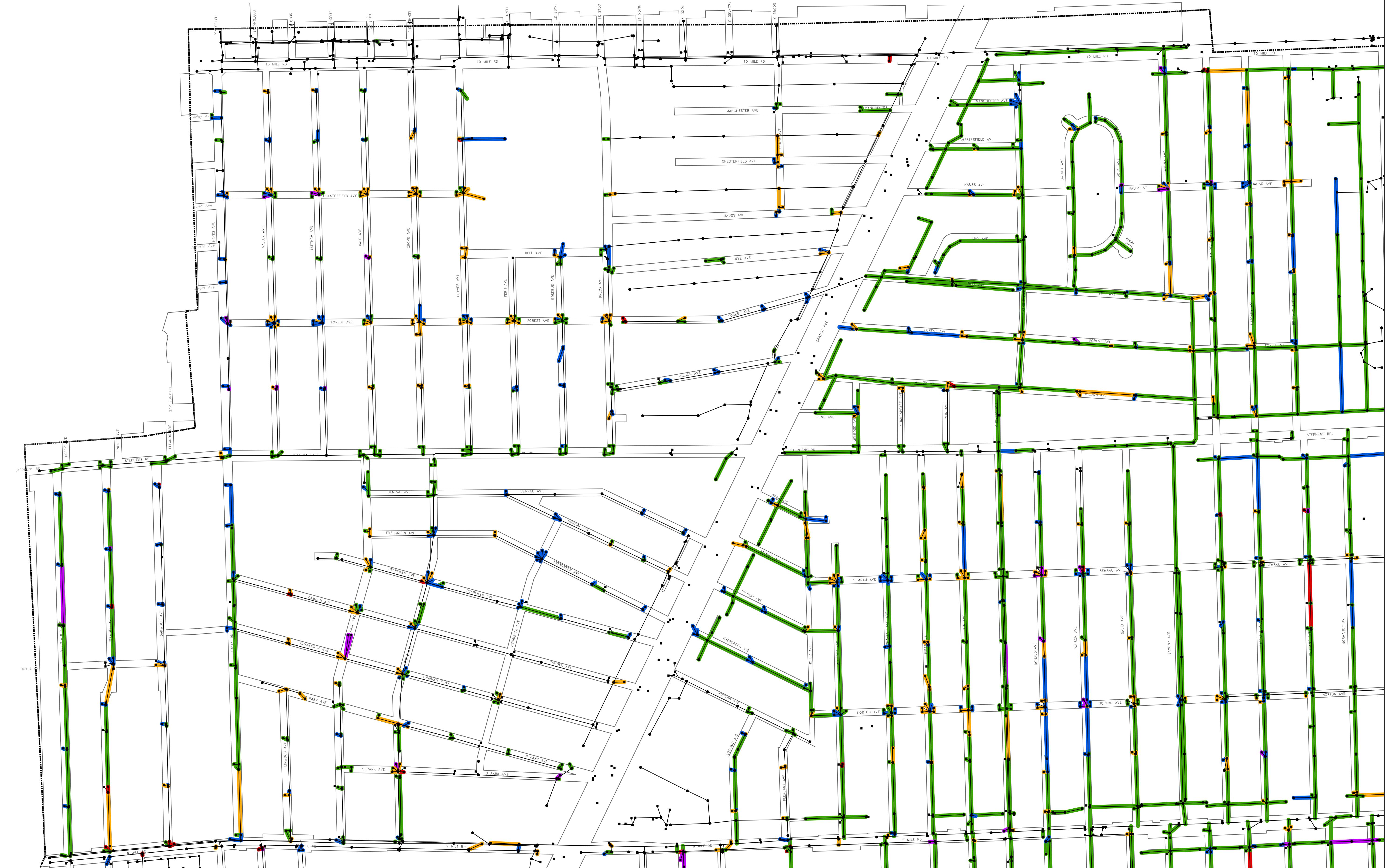
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## Appendix B – Sewer PACP Ratings Maps



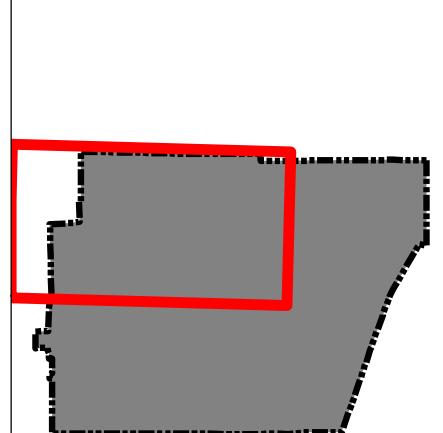
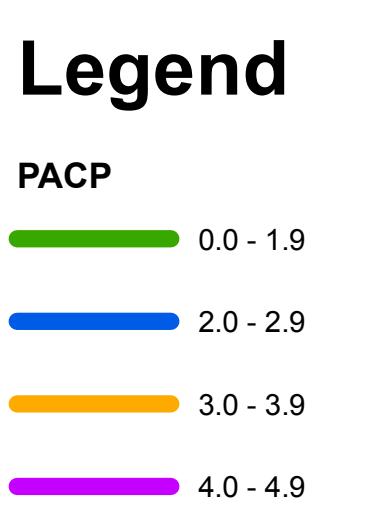
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# City of Eastpointe

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## PACP Ratings Wastewater Asset Management Plan Area 2

### Legend

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PLOT SCALE:	NTS	DRAWING SCALE:	NTS
PLOT CONFIG:	24 X 36	PROJECT NO:	0145-0158
ATTACH XREF:	NONE	DRAWING FILE:	PACP Ratings.mxd



# City of Eastpointe

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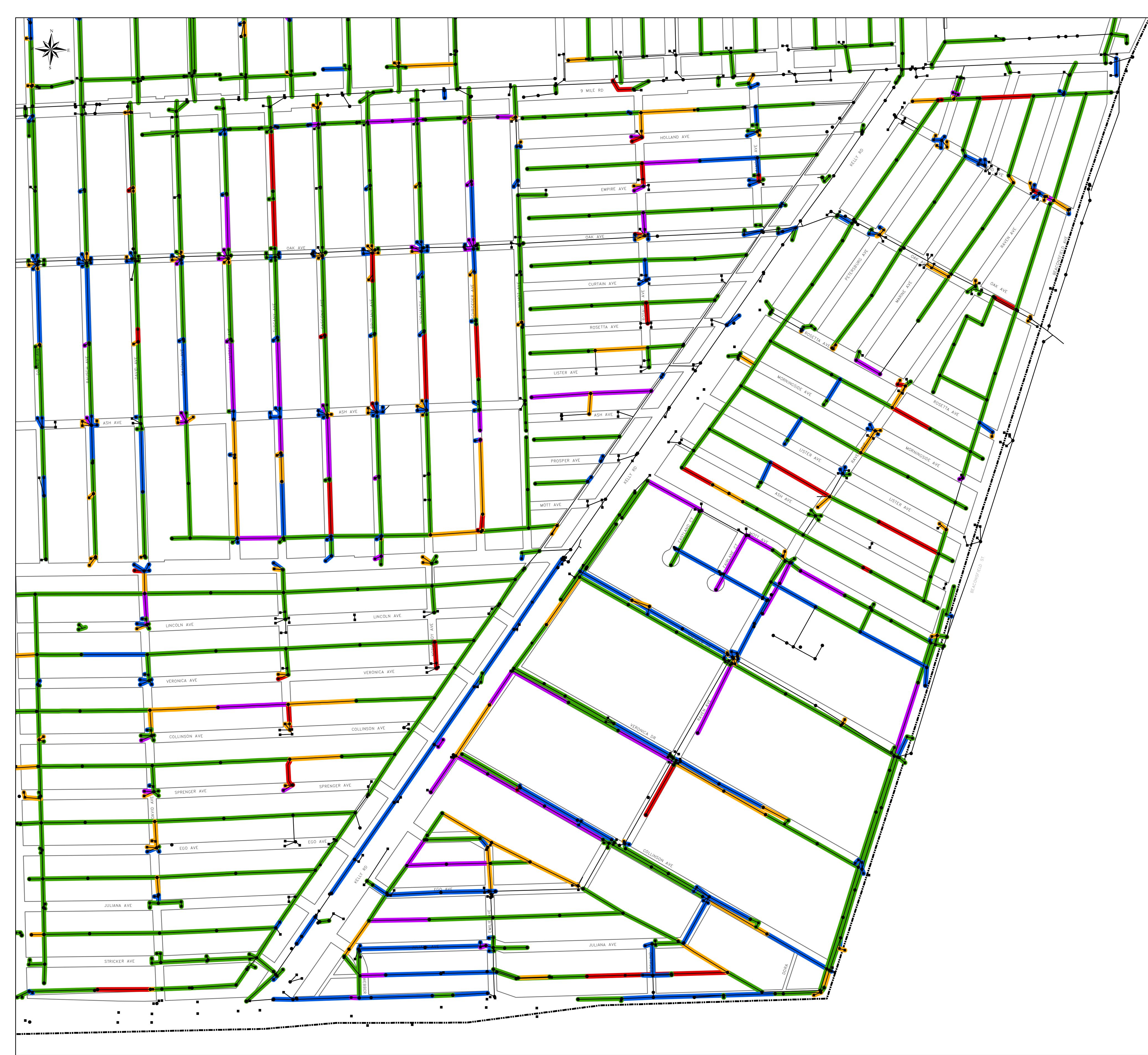
## PACP Ratings Wastewater Asset Management Plan Area 3

### Legend

<b>PACP</b>	
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blue	2.0 - 2.9
orange	3.0 - 3.9
purple	4.0 - 4.9
red	5.0

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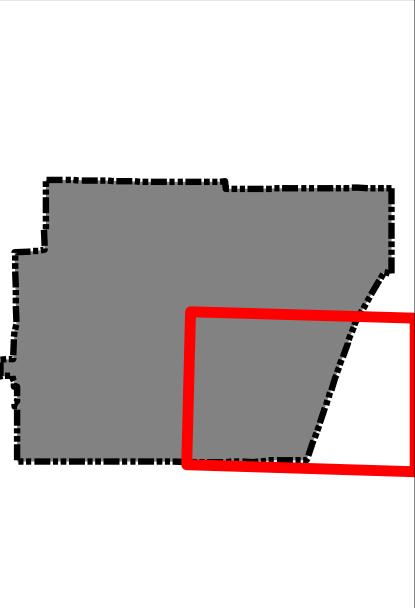
# City of Eastpointe

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## PACP Ratings Wastewater Asset Management Plan Area 4

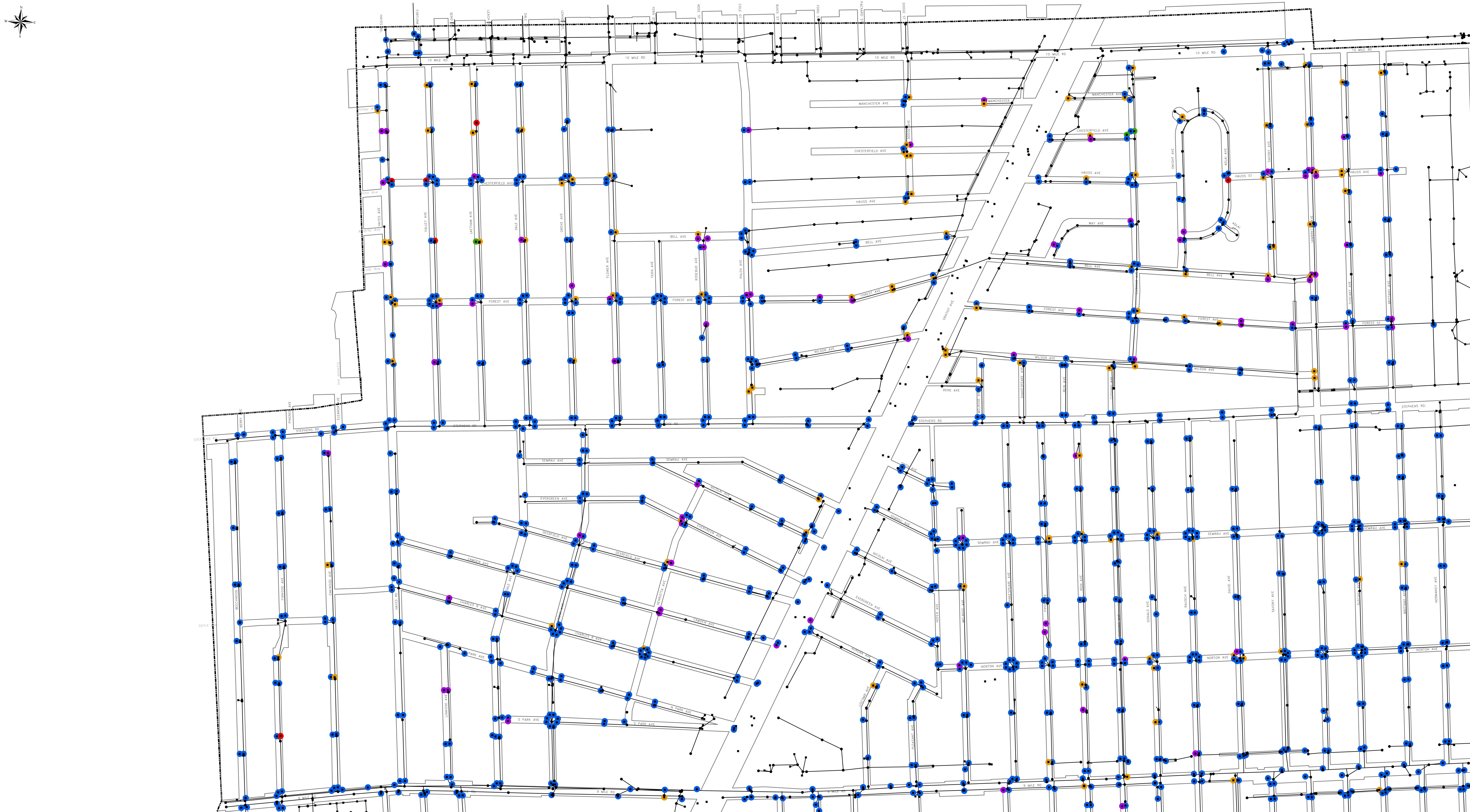
### Legend

<b>PACP</b>	0.0 - 1.9
	2.0 - 2.9
	3.0 - 3.9
	4.0 - 4.9
	5.0



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## Appendix C – Manhole Ratings Maps



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ATTACH XREF:	NONE	DRAWING FILE:	Manhole Ratings.mxd



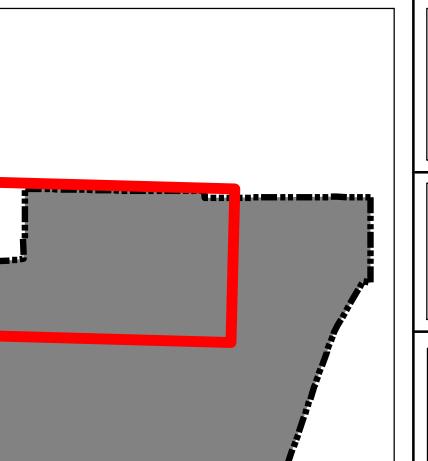
# City of Eastpointe

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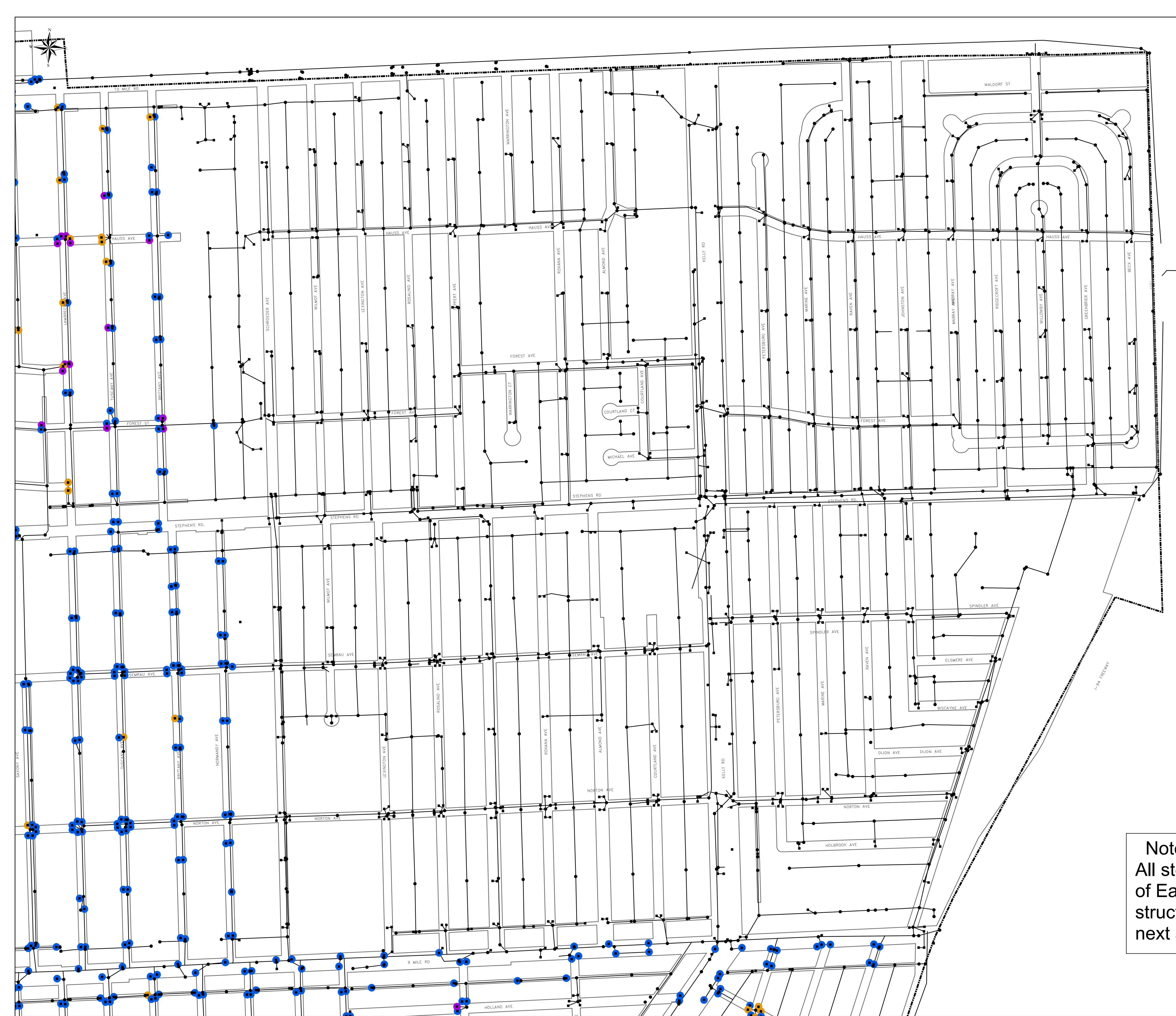
## Manhole Ratings Wastewater Asset Management Plan Area 1

### Legend

- Manhole Rating**
- 1 – Excellent
  - 2 – Good
  - 3 – Fair
  - 4 – Poor
  - 5 – Immediate Attention



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Note: This map includes the separated sewer system area of the City. All stormwater structures in this area were investigated as part of Eastpointe's Stormwater Asset Management Plan. Any wastewater structures not investigated in this area should be included in the next asset management condition investigation project.



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PLOT CONFIG:	24 X 36	PROJECT NO:	0145-0158
ATTACH XREF:	NONE	DRAWING FILE:	Manhole Ratings.mxd

DRAWN BY: AWD CHKD BY: JMM



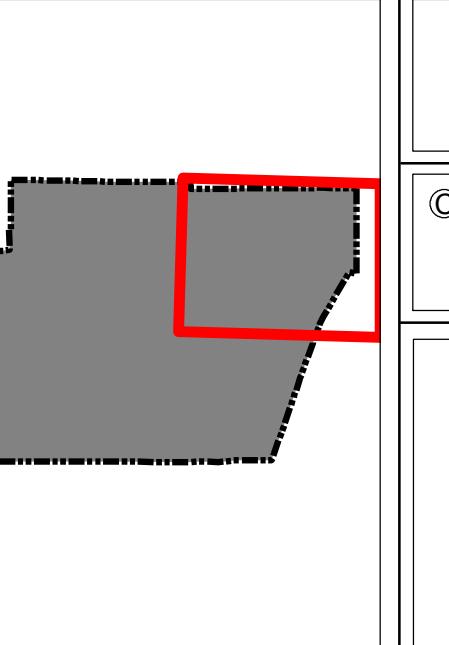
# City of Eastpointe

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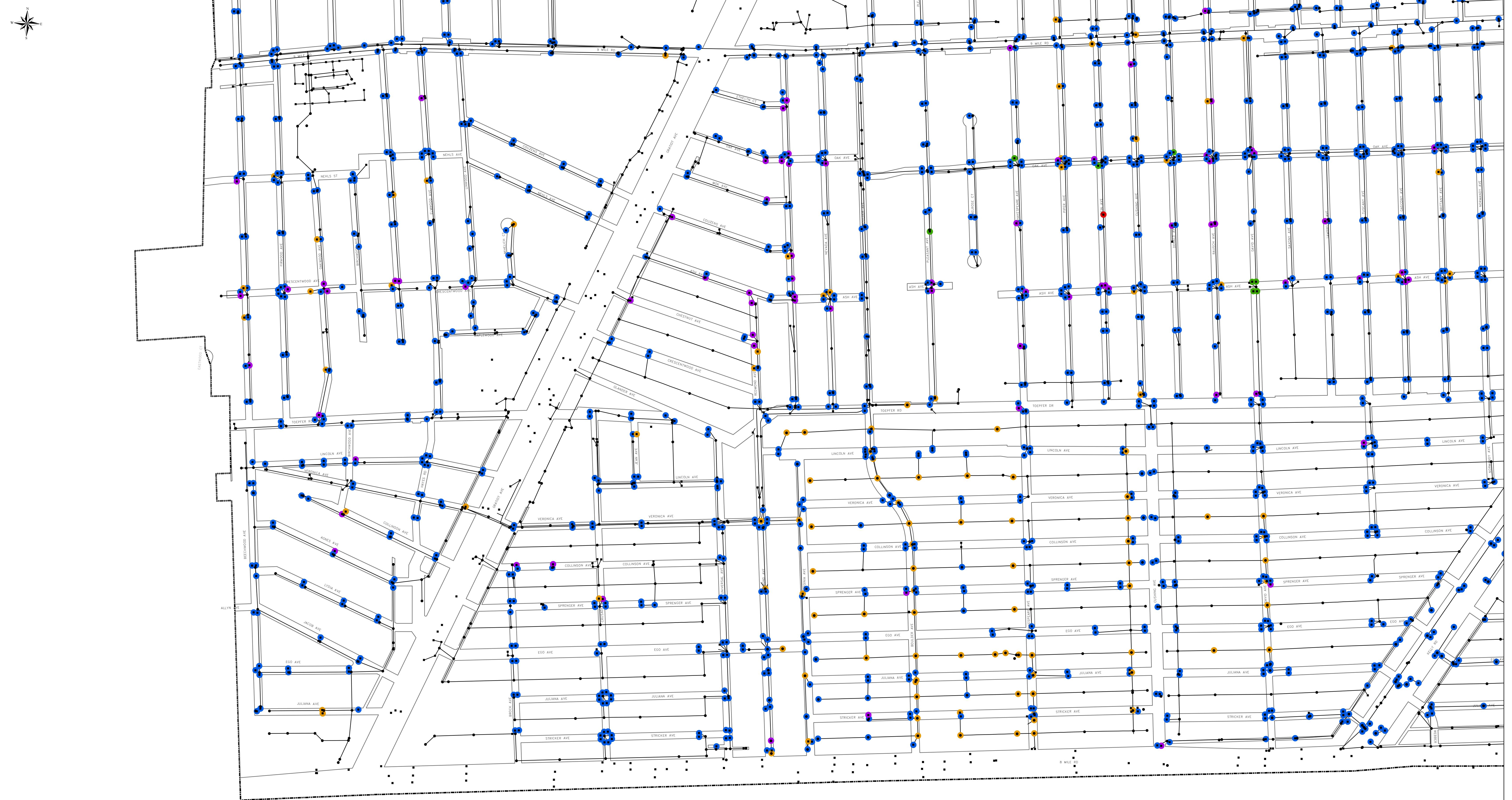
## Manhole Ratings Wastewater Asset Management Plan Area 2

### Legend

- Manhole Rating**
- 1 – Excellent
  - 2 – Good
  - 3 – Fair
  - 4 – Poor
  - 5 – Immediate Attention



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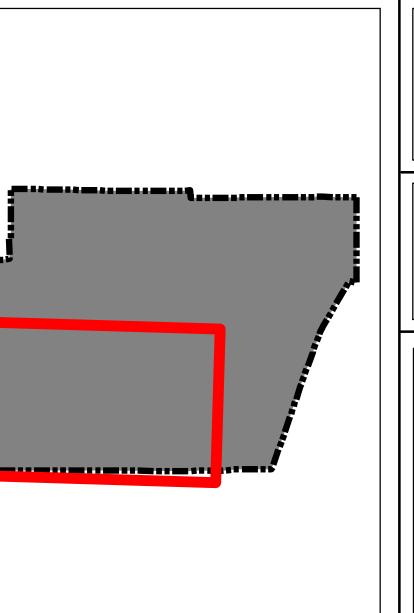
# City of Eastpointe

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## Manhole Ratings Wastewater Asset Management Plan Area 3

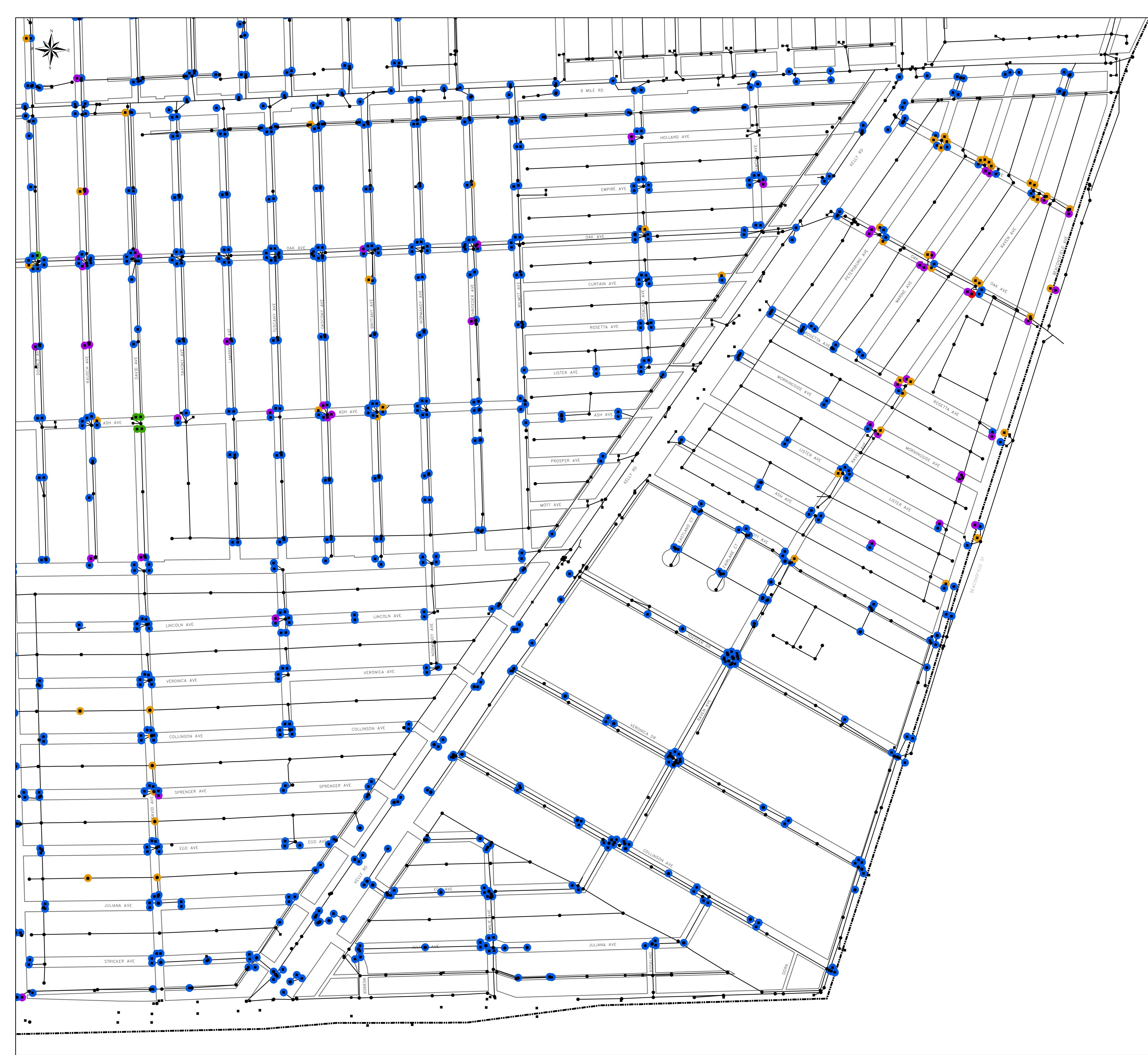
### Legend

- Manhole Rating**
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  - 4 – Poor
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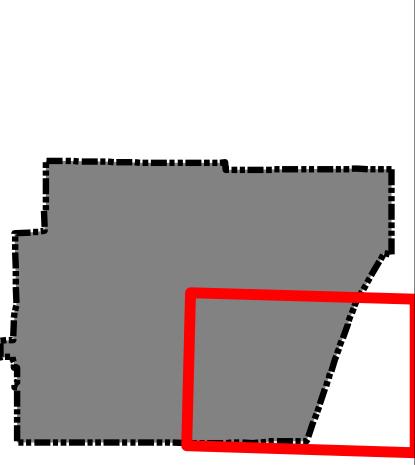
# City of Eastpointe

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## Manhole Ratings Wastewater Asset Management Plan Area 4

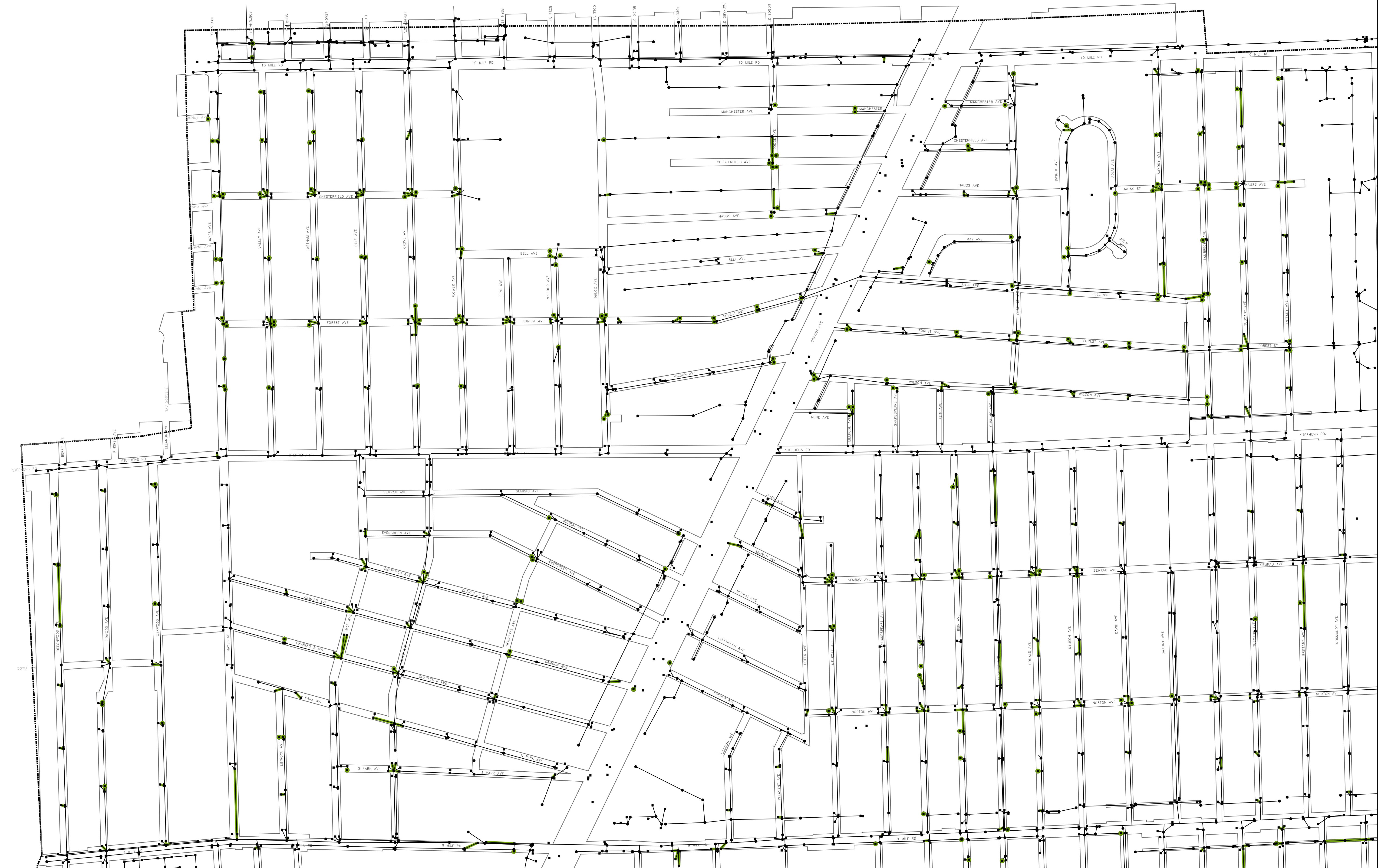
### Legend

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## Appendix D – Capital Improvement Plan Maps



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# *City of Eastpointe*

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# Capital Improvement Map

## Wastewater Asset Management Plan

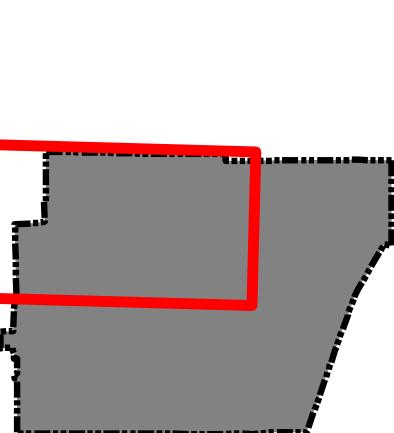
### Area 1

## Legend

- 

## CIP Structures

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<p><b><u>CAUTION</u></b></p> <p>THIS MAP IS INTENDED FOR REFERENCE PURPOSES ONLY</p> <p>ANDERSON, ECKSTEIN AND WESTRICK, INC. AND THE CITY OF EASTPOINTE DO NOT GUARANTEE THE ACCURACY OF THIS INFORMATION AND DISCLAIMS ALL LIABILITY FROM ALL CLAIMS, SUITS, DEMANDS AND JUDGEMENTS ARISING FROM THE USE OF THIS INFORMATION</p>	



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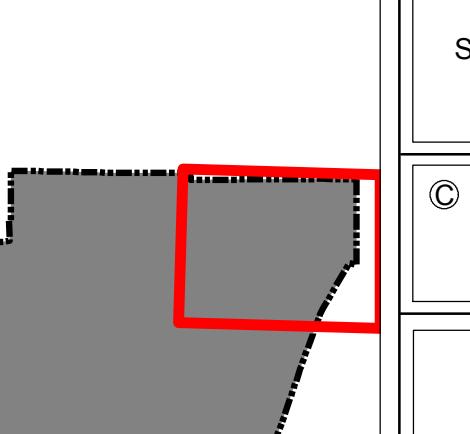
# City of Eastpointe

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Capital Improvement Map  
Wastewater Asset Management Plan  
Area 2

## Legend

- CIP Structures
- CIP Sewers



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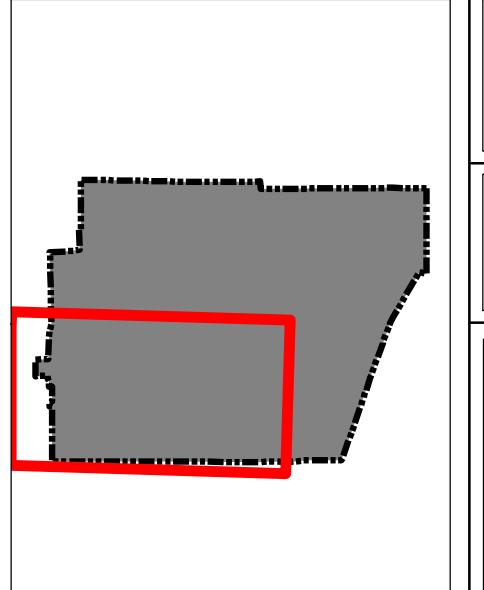
# City of Eastpointe

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## Capital Improvement Map Wastewater Asset Management Plan Area 3

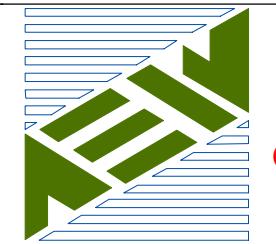
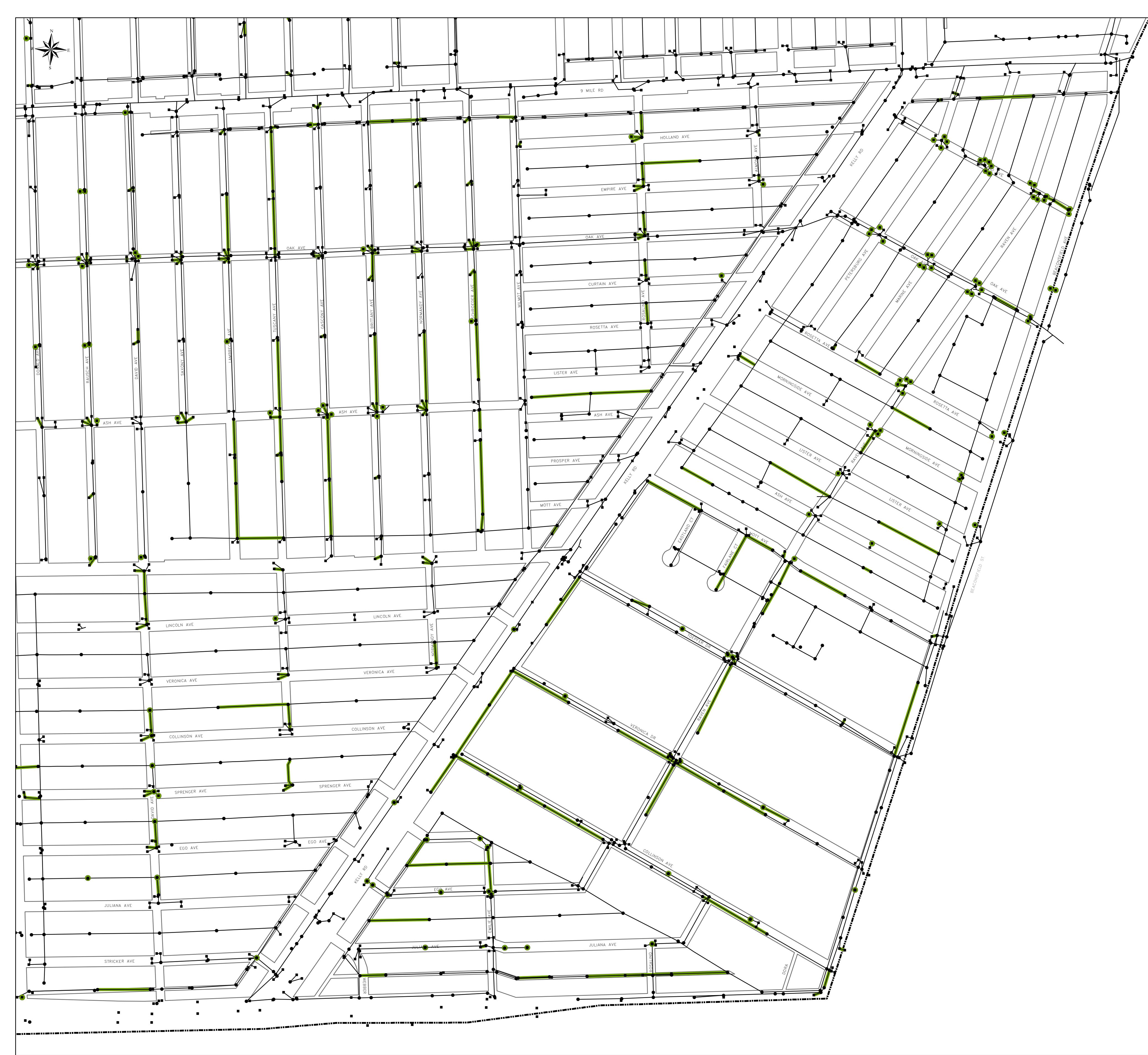
### Legend

- CIP Structures
- CIP Sewers



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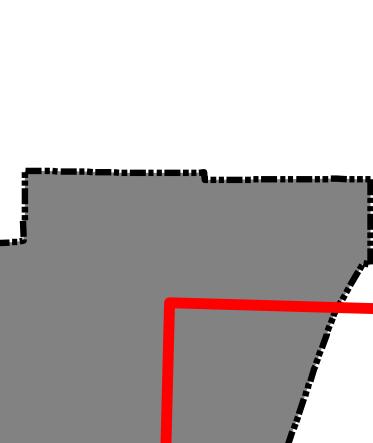
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## Capital Improvement Map Wastewater Asset Management Plan Area 4

### Legend

- CIP Structures
- CIP Sewers



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## Appendix E – Critical Analysis Sewers

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped									
Parking Lot	Easement between Eight Mile Rd and Juliana Ave	SW0001	NS59-28-4	7.8	NS59-28-3	11.8	134	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	0		Line OK		2007	0145-0320					
Parking Lot	Easement between Eight Mile Rd and Juliana Ave	SW0002	NS59-28-3	11.8	NS59-28-2	12.8	200	15	RCP	0.6	0.5	0.5	1.6	1	1.6	2					2	0		Line OK		2007	0145-0320					
Parking Lot	Easement between Eight Mile Rd and Juliana Ave	SW0003	NS59-28-2	12.8	NS59-28-1	13	77	15	RCP	0.6	0.5	0.5	1.6	1	1.6	1					1	0		Line OK		2007	0145-0320					
Parking Lot	Easement between Eight Mile Rd and Juliana Ave	SW0004	NS59-28-1	13	NS59-28	13.6	191	21	RCP	0.6	0.5	0.5	1.6	1	1.6	1					1	0		Mod Inf. @ joint(46')		2007	0145-0320					
Parking Lot	Easement between Eight Mile Rd and Juliana Ave	SW0005	NS59-28	13.6	NS59-27	13.4	18	24	VCP	0.8	0.5	0.5	1.8	1	1.8	0					0	1		Line OK		2007	0145-0320					
Street	Juliana Ave	SW0006	NS59-26-2	8	NS59-26-1	9	393	12	VCP	0.5	0.5	1	2	1	2	4		11		15	4						2007	0145-0320	2012	0145-0358	OCR (88'-106')	
Street	Juliana Ave	SW0007	NS59-26-1	9	NS59-26	12.8	210	12	VCP	0.5	0.5	1	2	1	2	4		2		6	1						2007	0145-0320	2012	0145-0358	OCR (163'-189')	
Street	Ego Ave	SW0008	NS59-25-2	10.2	NS59-25-1	9.6	218	21	HDPE	0.6	0.5	1	2.1	1	2.1	5					5	0						2007	0145-0320	2012	0145-0358	Burst
Street	Beechwood Ave	SW0009	NS59-25-4		NS59-25-3	7.8	25	12	VCP	0.5	0.5	1	2	1	2	0				0	0						2007	0145-0320				
Street	Beechwood Ave	SW0010	NS59-25-3	7.8	NS59-25-2	10.2	251	15	CIPP	0.6	0.5	1	2.1	1	2.1	10		3		13	3						2007	0145-0320	2012	0145-0358, 0145-0356	OCR (102'-127'), FCIPP	
Street	Beechwood Ave	SW0011	NS59-24-3	9.4	NS59-25-2	10.2	460	15	CIPP	0.6	0.5	1	2.1	1	2.1	6	4	11		21	8						2007	0145-0320	2012	0145-0356	FCIPP	
Street	Jacob Ave	SW0012	NS59-24-1	11.3	NS59-24	14.4	197	18	VCP	0.6	0.5	1	2.1	1	2.1	3	1	2		6	0						2007	0145-0320				
Street	Jacob Ave	SW0013	NS59-24-2	10.4	NS59-24-1	11.3	310	18	VCP	0.6	0.5	1	2.1	1	2.1	4	2	4	1	11	0						2007	0145-0320	2012	0145-0358	OCR (133'-155', 219'-226')	
Street	Lydia Ave	SW0014	NS59-22-2A	9	NS59-22-1	10.3	321	12	TRUSS	0.5	0.5	1	2	1	2	15				15	0						2007	0145-0320				
Street	Lydia Ave	SW0015	NS59-22-1A	12	NS59-22	14.3	109	18	RCP	0.6	0.5	1	2.1	1	2.1	3				3	0						2007	0145-0320				
Street	Agnes	SW0016	NS59-21-1	2	NS59-21-1NW		12	8	PVC	0.5	0.5	1	2	1	2	0				0	0						2007	0145-0458	2012	0145-0358	OCR (340'-383')	
Street	Agnes	SW0017	NS59-21	5.2	NS59-21W		10	12	VCP	0.5	0.5	1	2	3	6	0				0	0						2007	0145-0458	2012	0145-0358	OCR (23'-29', 93'-121')	
Street	Beechwood Ave	SW0018	NS59-24-4	7.4	NS59-24-3	9.4	304	15	VCP	0.6	0.5	1	2.1	1	2.1	4	2	1	7		14	6						2007	0145-0320			
Street	Beechwood Ave	SW0019	NS59-24-4	7.4	NS59-21-3	9	295	15	VCP	0.6	0.5	1	2.1	1	2.1	3	7	8		18	2						2007	0145-0320				
Street	Beechwood Ave	SW0020	NS59-21-4	7.2	NS59-21-3	9	248	12	VCP	0.5	0.5	1	2	1	2	5	1	7		13	6						2007	0145-0320				
Street	Collinson Ave	SW0021	NS59-18-1	9.2	NS59-18	16.6	375	18	VCP	0.6	0.5	1	2.1	1	2.1	14	3	1	2	4	24	1						2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding Offset	Broken Pipe	Total in Service	Capped								
Street	Collinson Ave	SW0022	NS59-18-2	8.2	NS59-18-1	9.2	378	15	VCP	0.6	0.5	1	2.1	1	2.1	7		9	1	17	8	Pro lats(50', 81', 94', 147', 177', 211', 213', 247', 249'), Small OS in lat(292'), Long. Crack(21' to 54')		2007	0145-0320					
Street	Veronica Ave	SW0024	*NS59-17A	18	NS59-17	18.3	157	18	VCP	0.6	0.5	1	2.1	1	2.1	5		3	3	11	0	Pro lats(40', 96', 98'), Small OS in lat(90', 93', 127'), Long. Crack(10' to 18')		2007	0145-0320					
Street	Veronica Ave	SW0025	*NS59-17-1A	8.5	NS59-17-1	10.6	361	15	VCP	0.6	0.5	1	2.1	1	2.1	9		6	4	19	1	Pro lats(84', 141', 188', 263', 295', 324'), Small OS in lats(186', 232', 235', 337'), Mult. Crack(154')		2007	0145-0320					
Street	Veronica Ave	SW0026	*NS59-17-2A		NS59-17-2	8.5	149	12	CIPP	0.5	0.5	1	2	1	2	2		1		3	2				2007	0145-0320	2012	0145-0358	OCR (93'-105'), FCIPP	
Front Yard	Beechwood Ave	SW0027	NS59-16-2-4A		NS59-16-2-4	8.5	164	12	HDPE	0.5	0.5	0.5	1.5	1	1.5	3					3	0				2007	0145-0320	2012	0145-0358	Burst
Street	Agnes	SW0028	NS59-21-2	4.2	NS59-21-2W		11	12	VCP	0.5	0.5	1	2	5	10	0				0	0	Hole with soil visible(9')	Dig Mainline	2016	0145-0458					
Street	Lincoln Ave	SW0029	*NS59-16-2-3A	8.3	NS59-16-2-3	9.4	360	12	HDPE	0.5	0.5	1	2	1	2	1		8			9	6				2007	0145-0320	2012	0145-0358	Burst
Street	Lincoln Ave	SW0030	NS59-16-2-3	9.4	NS59-16-2-2	12	449	15	CIPP	0.6	0.5	1	2.1	1	2.1	6		6	1	13	3				2007	0145-0320	2012	0145-0358, 0145-0356	OCR (183'-195', 286' 313', 395'-406'), FCIPP	
Street	Lincoln Ave	SW0031	NS59-16-2-2	12	NS59-16-2-1	14	457	18	CIPP	0.6	0.5	1	2.1	1	2.1	25	1		1	27	0				2007	0145-0320	2012	0145-0356	FCIPP	
Front Yard	Beechwood Ave	SW0032	NS59-16-2-4-1	8.2	NS59-16-2-4	8.5	189	12	HDPE	0.5	0.5	0.5	1.5	1	1.5	3	1				4	0				2007	0145-0320	2012	0145-0358	Burst
Street	Toepfer Rd	SW0033	NS71-12A	8.2	NS71-12	8.6	173	12	VCP	0.5	1	1	2.5	1	2.5	0		6		6	3	Pro lats(6', 11', 32', 41', 96', 131')				2007	0145-0320			
Street	Toepfer Rd	SW0039	NS71-12-1	8.3	NS71-12	8.6	232	12	VCP	0.5	1	1	2.5	1	2.5	3	1	4		8	7	Pro lats(24', 71', 154', 210'), Lt Roots inlat(124'), Lt Roots at joints(110' to 130')				2007	0145-0320			
Street	Toepfer Rd	SW0045	NS71-12-2	7.5	NS71-12-1	8.3	369	12	VCP	0.5	1	1	2.5	1	2.5	3		7		10	12	Pro lats(149', 173', 194', 201', 241', 290', 343'), Small OS joint in mainline(307')				2007	0145-0320			
Street	Toepfer Rd	SW0050	NS59-16-3-4	8.3	NS59-16-3-3	9.7	396	15	VCP	0.6	1	1	2.6	1	2.6	7		7	1	15	9				2007	0145-0320	2012	0145-0357	SCIPP (11'-36', 287'-293')	
Parking Lot	Easement between Eight Mile Rd and Stricker Ave	SW0060	NS59-9-17	8.7	NS59-9-16	10.3	92	12	RCP	0.5	0.5	0.5	1.5	1	1.5	0				0	0	Grease attached at joint(82')				2007	0145-0320			
Street	Easement between Eight Mile Rd and Stricker Ave	SW0061	NS59-9-16	10.3	NS59-9-15	10	286	12	RCP	0.5	0.5	1	2	1	2	0	2			2	1	Med MD in lats(61', 169'), Lt H2S damage T/O, Lt MD at sealed joints T/O				2007	0145-0320			
Street	Easement between Eight Mile Rd and Stricker Ave	SW0062	NS59-9-15	10	NS59-9-12		302	15	RCP	0.6	0.5	1	2.1	1	2.1	2	2			4	0	Hwy MD in lat(52'), Lt MD in lat(231), Lt H2S damage T/O				2007	0145-0320			
Street	Easement between Eight Mile Rd and Stricker Ave	SW0063	NS59-9-12		NS59-9-11	6.3	197	18	VCP	0.6	0.5	1	2.1	1	2.1	1	1			2	0	Lt MD at lat(135'), Lt MD at joint(68', 76')				2007	0145-0320			
Rear Yard	Easement between Eight Mile Rd and Stricker Ave	SW0064	NS59-9-11	6.3	NS59-9-10		305	21	VCP	0.6	0.5	0.5	1.6	1	1.6	7	1	2		10	13	Lt Roots in lat(216'), Pro lats(255', 295'), Mult. Cracks(178')				2007	0145-0320			
Rear Yard	Easement between Eight Mile Rd and Stricker Ave	SW0065	NS59-9-10		NS59-9-9	10.7	343	24	VCP	0.8	0.5	0.5	1.8	1	1.8	7		3		10	17	Pro lats(55', 190', 230'), Long. Cracks(175')				2007	0145-0320			
Street	Easement between Julian Ave and Stricker Ave	SW0066	NS59-9-4-7	6.7	NS59-9-4-6	9.8	164	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Line OK				2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped									
Rear Yard	Easement between Juliana Ave and Stricker Ave	SW0067	NS59-9-4-6	9.8	NS59-9-4-5		439	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	15					15	0		Line OK		2007	0145-0320					
Rear Yard	Easement between Juliana Ave and Stricker Ave	SW0068	NS59-9-4-5		NS59-9-4-4	9.3	209	21	VCP	0.6	0.5	0.5	1.6	1	1.6	7			1		8	6		Pro lat(68'), Long Crack(116' to 150')			2007	0145-0320				
Rear Yard	Easement between Ego Blvd and Juliana Ave	SW0069	NS59-9-3-4	9.4	NS59-9-3-3		303	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	5	5				10	0		Lt Roots in lats(201, 226', 268'), Med Roots in lat(248', 297')			2007	0145-0320				
Rear Yard	Easement between Ego Blvd and Juliana Ave	SW0070	NS59-9-3-5		NS59-9-3-4	9.4	165	21	VCP	0.6	0.5	0.5	1.6	1	1.6	5			1		6	3		Pro lat(13'), Line OK			2007	0145-0320				
Rear Yard	Easement between Ego Blvd and Juliana Ave	SW0071	NS59-9-3-6	9.4	NS59-9-3-5		478	18	VCP	0.6	0.5	0.5	1.6	1	1.6	15			3		18	14		Pro lats(201', 351', 413'), Long Crack(338' to 396', 438' to 476')			2007	0145-0320				
Street	Ego	SW0072	NS59-9-3-6A	5.8	NS59-9-3-6	9	177	12	VCP	0.5	0.5	1	2	2.5	5	0			1		1	0		Mult and Long Cracks T/O		None	2016	0145-0458				
Rear Yard	Easement between Ego Blvd and Juliana Ave	SW0073	NS59-9-3-7		NS59-9-3-6	9.4	476	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2			5		7	15		Pro lats(87', 240', 282', 399', 419'), Mult. Crack(467')			2007	0145-0320				
Parking Lot	Easement between Ego Blvd and Juliana Ave	SW0074	NS59-9-3-8	10.4	NS59-9-3-7		46	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	0		Line OK			2007	0145-0320				
Alley	Alley behind Northbound Gratiot South of Veronica Ave	SW0075	NS59-9-3-9	7.7	NS59-9-3-8	10.4	189	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0			2		2	9		Pro lat(121', 185')			2007	0145-0320				
Rear Yard	Easement between Sprenger St and Ego Blvd	SW0076	NS59-9-2-7	10.3	NS59-9-2-6	9.3	311	12	VCP	0.5	0.5	0.5	1.5	1	1.5	7	1	3			11	4		Lt MD in lats(48', 189'), Pro lat(85')			2007	0145-0320				
Alley	Alley behind Northbound Gratiot South of Veronica Ave	SW0077	NS59-9-2-7	10.3	NS59-9-2-7A	10.8	37	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	2		Lt MD @ joint(17')			2007	0145-0320				
Alley	Alley behind Northbound Gratiot South of Veronica Ave	SW0078	NS59-9-2-7	10.3	NS59-9-3-9	7.7	245	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0			2	1		3	8	Pro lats(33', 122', 259'), Lt Roots in lat(75'), Mult. Cracks(148' to 160')			2007	0145-0320				
Rear Yard	Easement between Sprenger St and Ego Blvd	SW0079	NS59-9-2-6	6.1	NS59-9-2-5		517	18	VCP	0.6	0.5	0.5	1.6	1	1.6	14	2		4	1		21	2		Lt Roots in lats(137', 464'), Pro lats(163', 210', 311', 412'), Small OS in lat(178'), Mult. Cracks(237')			2007	0145-0320			
Rear Yard	Easement between Sprenger St and Ego Blvd	SW0080	NS59-9-2-5		NS59-9-2-4	9.4	136	18	VCP	0.6	0.5	0.5	1.6	1	1.6	4			1		5	0		Pro lat(97'), Mult. Cracks(50' to 110')			2007	0145-0320				
Alley	Alley behind Northbound Gratiot South of Veronica Ave	SW0081	NS59-9-1-8	10	NS59-9-1-7	11.6	144	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			3		4	6		Pro lats(21', 89', 113')			2007	0145-0320				
Rear Yard	Easement between Veronica Ave and Collinson Ave	SW0082	NS59-10-5	9.3	NS59-10-4		458	12	VCP	0.5	0.5	0.5	1.5	1	1.5	13			2		15	8		Pro lats(23', 65', 84')			2007	0145-0320				
Rear Yard	Easement between Collinson Ave and Sprenger St	SW0083	NS59-9-1-7	11.6	NS59-9-1-5		410	12	VCP	0.5	0.5	0.5	1.5	1	1.5	10	1	3			14	6						2007	0145-0320	2012	0145-0357	SCIPP (177'-183', 356'-375')
Rear Yard	Easement between Collinson Ave and Sprenger St	SW0084	NS59-9-1-5		NS59-9-1-4	9.8	399	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	18	1	2	1		22	2						2007	0145-0320	2012	0145-0356	FCIPP
Alley	Alley behind Northbound Gratiot South of Veronica Ave	SW0085	NS59-10-6	8.2	NS59-10-5	9.3	113	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	6		Line OK			2007	0145-0320				
Alley	Alley behind Northbound Gratiot South of Veronica Ave	SW0086	NS59-10-5	9.3	NS59-9-1-8	10	173	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0			3		3	6					2007	0145-0320	2012	0145-0357	SCIPP (12'-18', 205'-211')	
Rear Yard	Easement between Veronica Ave and Collinson Ave	SW0087	NS59-10-4		NS59-10-3	10.1	195	15	VCP	0.6	0.5	0.5	1.6	1	1.6	2	4		1	1		8	2		Small OS in lat(38'), Lt Roots in lats(79', 81', 119'), Med Roots in lat(120'), Pro lat(160'), Medium Roots at joints(114' to 193')			2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Alley behind Southbound Gratiot East of Hayes Ave	SW0088	NS59-20-1	9.5	NS59-20		168	12	VCP	0.5	1	1	2.5	1	2.5	4			2		6	3	Pro lat(71', 129'), Mult. Cracks(138' to 162')		2007	0145-0320				
Street	Alley behind Southbound Gratiot East of Hayes Ave	SW0089	NS59-16-1	16.3	NS59-17	18.3	18	30	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Line OK		2007	0145-0320				
Street	Alley behind Southbound Gratiot East of Hayes Ave	SW0090	NS59-17	18.3	NS59-16	17.5	19	42	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line OK		2007	0145-0320				
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW0091	NS59-14-1	16.3	NS59-14	18.2	39	18	VCP	0.6	0.5	0.5	1.6	1	1.6	0					0	0	Material change from VCP to RCP(21')		2007	0145-0320				
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW0092	NS59-14-2	17.2	NS59-14-1	16.3	161	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	0		2		2	4					2007	0145-0320	2012	0145-0480, 0145-0356	OCR (38'-44', 68'-74'), FCIPP
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW0093	NS59-14-3	17.2	NS59-14-2	17.2	26	18	RCP	0.6	0.5	0.5	1.6	1	1.6	0					0	0	Line OK		2007	0145-0320				
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW0094	NS59-14-4	16.8	NS59-14-3	17.2	152	18	RCP	0.6	0.5	0.5	1.6	1	1.6	0					0	0	Line OK		2007	0145-0320				
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW0095	NS59-14-5	16.4	NS59-14-4	16.8	19	18	RCP	0.6	0.5	0.5	1.6	1	1.6	0					0	0	Video very foggy, can't see anything. Line in good condition, DVD 81 shows line and it is very clear		2007	0145-0320				
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW0096	NS59-14-6	16.3	NS59-14-5	16.4	92	15	VCP	0.6	0.5	0.5	1.6	1	1.6	2					2	0				2007	0145-0320	2012	0145-0357	SCIPP (31'-41')
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW0097	NS59-14-7	13.8	NS59-14-6	16.3	331	15	RCP	0.6	0.5	0.5	1.6	4	6.4	3		5		8	4	Pro lat(57', 78', 161', 229', 283'), Mult. Cracks(88' to 133'), Mult. Fractures(133' to 143')		2007	0145-0320					
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW0098	NS59-14-9	12.6	NS59-14-8	12.5	38	15	RCP	0.6	0.5	0.5	1.6	1	1.6	0					0	0	Line OK		2007	0145-0320				
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW0099	NS59-14-10	11.8	NS59-14-9	12.6	55	15	RCP	0.6	0.5	0.5	1.6	1	1.6	0					0	0	Line OK		2007	0145-0320				
Street	Lincoln Ave	SW0100	NS59-16-2-1	14	NS59-16-2	14.7	386	21	CIPP	0.6	0.5	1	2.1	1	2.1	9	1	1	3	3	17	0				2007	0145-0320	2012	0145-0358, 0145-0356	OCR (89'-115'), FCIPP
Alley	Alley behind Southbound Gratiot East of Hayes Ave	SW0101	*NS59-16-2A	13.6	NS59-16-2	14.7	323	27	RCP	0.8	0.5	0.5	1.8	1	1.8	10	1	6	1		18	1	Pro lat(9'), Med MD in lat(63'), Lt MD in lat(132', 144', 162', 183', 223'), Lt Roots in lat(248')		2007	0145-0320				
Street	Toepfer	SW0102	NS59-16-3		NS59-16-4S		25	12	VCP	0.5	1	1	2.5	2	5	0					0	0	Long. Cracks T/O, Mult Crack(18')	None	2016	0145-0458				
Street	Alley behind Southbound Gratiot East of Hayes Ave	SW0103	NS59-16-5	13.1	NS59-16-4	12.4	22	18	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line OK		2007	0145-0320				
Street	Toepfer Rd	SW0110	NS59-16-3-2	11.2	NS59-16-3-1		126	18	VCP	0.6	1	1	2.6	1	2.6	3	2	1	6	0			Small OS in lat(25'), Lt MD in lat(98', 101')		2007	0145-0320				
Street	Toepfer Rd	SW0117	NS59-16-3-1		NS59-16-3	12.3	347	24	HDPE	0.8	1	1	2.8	1	2.8	10		2	3	15	2					2007	0145-0320	2012	0145-0358	Burst
Street	Crusade	SW0121	NS59-9-9A	8	NS59-9-9	10.7	165	12	RCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. Crack(6'), Lt MD at joints(2', 28')	None	2016	0145-0458				
Rear Yard	Easement between Eight Mile Rd and Stricker Ave	SW0122	NS59-9-9	10.7	NS59-9-8	13.3	516	27	RCP	0.8	0.5	0.5	1.8	1	1.8	8	4				12	24	Lt Roots in lat(179', 377', 415'), Hvy Roots in lat(299')		2007	0145-0320				
Rear Yard	Easement between Eight Mile Rd and Stricker Ave	SW0123	NS59-9-8	13.3	NS59-9-7	13.2	216	27	RCP	0.8	0.5	0.5	1.8	1	1.8	4	4			4	14	Line OK			2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Parking Lot	Easement between Eight Mile Rd and Stricker Ave	SW0124	NS59-9-7	13.2	NS59-9-6	13	44	27	RCP	0.8	0.5	0.5	1.8	1	1.8	0					0	0		Line OK		2007	0145-0320		
Side Yard	Easement between Eight Mile Rd and Stricker Ave	SW0125	NS59-9-5-1	10.1	NS59-9-5	13	114	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1				1	2	4		Small OS in lat(105')		2007	0145-0320		
Parking Lot	Easement between Eight Mile Rd and Stricker Ave	SW0126	*NS59-9-5A	12.8	*NS59-9-5B		68	27	RCP	0.8	0.5	0.5	1.8	1	1.8	1					1	3		Line OK		2007	0145-0320		
Street	Easement between Juliana Ave and Stricker Ave	SW0127	NS59-9-4-1	11.3	NS59-9-4	13.4	174	21	VCP	0.6	0.5	1	2.1	1	2.1	0					0	2		Line OK		2007	0145-0320		
Side Yard	Easement between Juliana Ave and Stricker Ave	SW0128	NS59-9-4-2	12.4	NS59-9-4-1	11.3	135	21	VCP	0.6	0.5	0.5	1.6	1	1.6	3					3	0		Line OK		2007	0145-0320		
Rear Yard	Easement between Juliana Ave and Stricker Ave	SW0129	NS59-9-4-4	9.3	NS59-9-4-3		262	21	VCP	0.6	0.5	0.5	1.6	1	1.6	5	3	1		9	2		Lt Roots in lats(103°, 141°, 142°, 200°, 368°), Pro lat(183°), Mult. Cracks(61°)		2007	0145-0320			
Rear Yard	Easement between Juliana Ave and Stricker Ave	SW0130	NS59-9-4-3		NS59-9-4-2	12.4	473	21	VCP	0.6	0.5	0.5	1.6	1	1.6	18	6			24	7		Pro lats(9°, 121°, 142°, 200°, 368°), Pro lat w/ Lt Roots(319°), Mult. Cracks(3°)		2007	0145-0320			
Side Yard	Easement between Ego Blvd and Juliana Ave	SW0131	NS59-9-3-2		NS59-9-3-1	11.8	170	21	VCP	0.6	0.5	0.5	1.6	1	1.6	5				5	0		Long. Cracks T/O		2007	0145-0320			
Rear Yard	Easement between Ego Blvd and Juliana Ave	SW0132	NS59-9-3-3		NS59-9-3-2		437	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	10	2	2		14	11		Pro lats(50°, 246°), Lt Roots in lats(76°, 402°), Mult. Cracks(3°)		2007	0145-0320			
Street	BOULDER BETWEEN 8 MILE AND TOEPFER	SW0133	NS59-8-16	11	NS59-8-15	11	126	24	RCP	0.8	0.5	1	2.3	1	2.3					0			Line in good condition		2011-2012	0145-0392			
Street	VIRGINIA BETWEEN LINCOLN AND 8 MILE	SW0134	NS59-8-0-6	11.7	NS59-8-0-5	11	241	12	VCP	0.5	0.5	1	2	3	6	5				5	2		Line in fair condition, CM (6, 175, 222)		2011-2012	0145-0392	?		
Easement	EASEMENT BETWEEN 8 MILE AND STRICKER	SW0135	NS6-13-28	8.2	NS6-13-27	9	414	12	VCP	0.5	0.5	0.5	1.5	1	1.5	15				15	6		Line in good condition		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN 8 MILE AND STRICKER	SW0136	NS6-13-27	9	NS6-13-26	11.7	131	21	VCP	0.6	0.5	0.5	1.6	3	4.8	3	1			4	3		Line in fair condition, CL (15-96)		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN 8 MILE AND STRICKER	SW0137	NS6-13-25	13.8	NS6-13-26	11.7	366	24	VCP	0.8	0.5	0.5	1.8	3	5.4	10		1	11	1			Line in fair condition, CL (87-145)		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN 8 MILE AND STRICKER	SW0138	NS6-13-25	13.8	NS6-13-24	13.8	354	27	RCP	0.8	0.5	0.5	1.8	1	1.8	13	4			17			Line in good condition		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN 8 MILE AND STRICKER	SW0139	NS59-6-18	9.1	NS59-6-17	7.9	366	12	VCP	0.5	0.5	0.5	1.5	1	1.5	8	4			12	10		Line in fair condition, B (334), DA throughout, CM (117 - 123), JOL (361)		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN 8 MILE AND STRICKER	SW0140	NS59-6-17	7.9	NS59-6-16	10.8	362	12	VCP	0.5	0.5	0.5	1.5	1	1.5	3	2	1	2	8	8				2011-2012	0145-0392	2013	0145-0433	OCR (148°-157°)
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW0142	NS59-6-14-2	9.1	NS59-6-14-1	9	365	12	VCP	0.5	0.5	0.5	1.5	1	1.5	13	1			14					2011-2012	0145-0392	2013	0145-0429	SCIPP (43°-49°, 104°-110°, 337°-351°)
Street	VIRGINIA BETWEEN LINCOLN AND 8 MILE	SW0143	NS59-8-0-5	11	NS59-8-0-4	10.1	304	12	VCP	0.5	0.5	1	2	1	2	4	2			6	3				2011-2012	0145-0392	2013	0145-0433	OCR (17°-26°)
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW0144	NS59-6-14-1	9	NS59-6-14	11.5	353	15	VCP	0.6	0.5	0.5	1.6	1	1.6	8	1		2	11					2011-2012	0145-0392	2013	0145-0433	OCR (271°-286°)
Street	REDMOND BETWEEN VERONICA AND 8 MILE	SW0145	NS59-8-5	9.4	NS59-8-4	10.4	221	18	VCP	0.6	0.5	1	2.1	1	2.1	12	2			14	1		Line in fair condition, CL (192°, 207°), MWL(198°)		2011-2012	0145-0392	2012	0145-0357	SCIPP (160°-163°)

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Redmond Ave	SW0146	*NS59-8-3-1	8.2	*NS59-8-3	11.1	135	12	VCP	0.5	0.5	1	2	1	2	0					0	6	Long, Crack(64')		2007	0145-0320			
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW0149	NS6-13-21-3	8.8	NS6-13-21-2	7	120	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4					4	3	Line in good condition, CL (75)		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW0150	NS6-13-21-4	8.8	NS6-13-21-3	8.8	375	12	VCP	0.5	0.5	0.5	1.5	1	1.5	14					14	3			2011-2012	0145-0392	2013	0145-0429	SCIPP (219°-229°, 270°-276°, 317°-320°)
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW0151	NS6-13-21-4	8.8	NS59-6-14	11.5	358	12	VCP	0.5	0.5	0.5	1.5	5	7.5	8	4				12	4	Line in fair condition, B (0-19, 225), CM (29-46, 320), CL (271)		2011-2012	0145-0392	Needs FCIPP		
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0152	NS59-6-12	11	NS6-13-19-5	12	307	15	VCP	0.6	0.5	0.5	1.6	2	3.2	11					11	1	Line in good condition, CL (119 - 132, 171 - 180, 272)		2011-2012	0145-0392	?		
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0153	NS6-13-19-5	11	NS6-13-19-4	9.7	253	12	VCP	0.5	0.5	0.5	1.5	1	1.5	9	2				11		Line in fair condition, CL (19-35, 181)		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0154	NS6-13-19-2B		NS6-13-19-2	9.3	121	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4					4	2	Line in fair condition, CL(20-28, 58-68, 74-80, 98-102), CM (20, 28, 48, 68)		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0155	NS6-13-19-4	9.7	NS6-13-19-3	10.6	100	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4					4		Line in fair condition, CM (81), CL (74, 81)		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0156	NS6-13-17-4	9.8	NS6-13-17-3	11.4	376	12	VCP	0.5	0.5	0.5	1.5	1	1.5	13	2			1	16	2	Line in poor condition, B (28, 76), D (72, 330), CL (19-28, 49-94, 284-301, 324-376)		2011-2012	0145-0392	FCIPP in 2013 (0145-0429)		
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0157	NS59-6-11	12.8	NS6-13-17-4	9.8	360	12	VCP	0.5	0.5	0.5	1.5	1	1.5	6	2				8	2			2011-2012	0145-0392	2013	0145-0433	OCR (105°-114°)
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW0158	NS6-13-21-2	8.9	NS6-13-21-1	12.4	366	15	HDPE	0.6	0.5	0.5	1.6	1	1.6	4	2				6	4			2011-2012	0145-0392	2013	0145-0433	Burst
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0159	NS6-13-19-2	9.8	NS6-13-19-1	13.3	361	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	10	2			4	16			2011-2012	0145-0392	2013	0145-0429	FCIPP	
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW0160	NS59-6-15	11	NS59-6-14	11.5	159	24	RCP	0.8	0.5	1	2.3	1	2.3					0		Line in good condition		2011-2012	0145-0392				
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW0161	NS59-6-14	11.5	NS59-6-13	12.1	120	24	RCP	0.8	0.5	1	2.3	1	2.3					0		Line in good condition		2011-2012	0145-0392				
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW0162	NS59-6-13	12.1	NS59-6-12	12	174	27	RCP	0.8	0.5	1	2.3	1	2.3					0		Line in good condition		2011-2012	0145-0392				
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW0163	NS59-6-12	12	NS59-6-11	12.8	312	27	RCP	0.8	0.5	1	2.3	1	2.3					0		Line in good condition		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0164	NS59-6-12-2	10.1	NS59-6-12-1	11.9	368	12	VCP	0.5	0.5	0.5	1.5	3	4.5	10	4			14	4	Line in fair condition, CM (44)		2011-2012	0145-0392	?			
Street	VIRGINIA BETWEEN LINCOLN AND 8 MILE	SW0165	NS59-8-0-4	10.1	NS59-8-0-3	11	289	12	VCP	0.5	0.5	1	2	1	2	3	1			4	1			2011-2012	0145-0392	2013	0145-0429	SCIPP (130°-135°, 231°-261°)	
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0166	NS59-6-12-1	11.9	NS59-6-12	12	355	15	VCP	0.6	0.5	0.5	1.6	1	1.6	4	3	4		11	2	Line in good condition		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0167	NS59-6-11-1	12.8	NS59-6-11	10.7	355	15	VCP	0.6	0.5	0.5	1.6	5	8	8	3	4		15	2	Line in fair condition, CH4 (74-83), CL (125)		2011-2012	0145-0392	Needs FCIPP			
Street	VIRGINIA BETWEEN LINCOLN AND 8 MILE	SW0168	NS59-8-0-3	8.5	NS59-8-0-2	13.6	297	12	VCP	0.5	0.5	1	2	1	2	4	1			5		Line in good condition, CH3 (138.2)		2011-2012	0145-0392	SCIPP in 2013 (0145-0429)			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	VIRGINIA BETWEEN LINCOLN AND 8 MILE	SW0169	NS59-8-3A	8.5	NS59-8-3	9	111	12	VCP	0.5	0.5	1	2	1	2					0	5		Line in good condition		2011-2012	0145-0392					
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0170	NS59-6-11-2	9.9	NS59-6-11	10.7	372	12	VCP	0.5	0.5	0.5	1.5	1	1.5	10	1			1	12	3				2011-2012	0145-0392	2013	0145-0433	OCR (221'-251')	
Street	REDMOND BETWEEN VERONICA AND 8 MILE	SW0171	NS59-8-3	11	NS59-8-2	13	445	21	VCP	0.6	0.5	1	2.1	1	2.1	11	1		6	2	20	0	Line in fair condition, Lt MD (95.5), TFD Broken (243.9, 284.2)			2011-2012	0145-0392				
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0172	NS6-13-15-4	10.9	NS59-6-9	13.3	355	12	VCP	0.5	0.5	0.5	1.5	1	1.5	10	1			11	5					2011-2012	0145-0392	2013	0145-0433	OCR (7'-14')	
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0173	NS59-6-9-2	10	NS59-6-9-1		360	12	VCP	0.5	0.5	0.5	1.5	1	1.5	7	9			16			Line in good condition			2011-2012	0145-0392				
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0174	NS59-6-9-1		NS59-6-9	13.3	355	15	VCP	0.6	0.5	0.5	1.6	1	1.6	7	5			12	3		Line in good condition, CM (339)			2011-2012	0145-0392				
Street	VIRGINIA BETWEEN LINCOLN AND 8 MILE	SW0175	NS59-8-0-2	13.6	NS59-8-0-1	16.6	357	15	Lined VCP	0.6	0.5	1	2.1	1	2.1	4	2			6			Line in good Condition			2011-2012	0145-0392	2012	0145-0356	FCIPP	
Rear Yard	Easement between Sprenger St and Ego Blvd	SW0176	NS59-9-2-4	9.4	NS59-9-2-3		305	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	6	4	2		12	1					2007	0145-0320	2012	0145-0356	FCIPP	
Rear Yard	Easement between Sprenger St and Ego Blvd	SW0177	NS59-9-2-3		NS59-9-2-2		434	21	VCP	0.6	0.5	0.5	1.6	1	1.6	12	2	2	2	18	3	Med Roots in lat(43'), Pro lat(60', 74'), Small OS in lat(196', 359'), Lt Roots in lat(348'), Long Crack(10')			2007	0145-0320					
Side Yard	Easement between Sprenger St and Ego Blvd	SW0178	NS59-9-2-2		NS59-9-2-1	14.8	134	21	VCP	0.6	0.5	0.5	1.6	1	1.6	1		1		2	0		Pro lat(111')			2007	0145-0320				
Street	Easement between Ego Blvd and Julianne Ave	SW0179	NS59-9-3-1	11.8	NS59-9-3	14.2	171	21	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0		Lt Roots at joints T/O			2007	0145-0320				
Street	Easement between Sprenger St and Ego Blvd	SW0180	NS59-9-2-1	14.8	NS59-9-2	16.7	173	21	VCP	0.6	0.5	1	2.1	1	2.1	1				1	0		Line OK			2007	0145-0320				
Street	Easement between Collinson Ave and Sprenger St	SW0181	NS59-9-1-1	16.4	NS59-9-1	19.8	175	18	VCP	0.6	0.5	1	2.1	1	2.1	1				1	0		Line OK			2007	0145-0320				
Side Yard	Easement between Collinson Ave and Sprenger St	SW0182	NS59-9-1-2	16.8	NS59-9-1-1	16.4	133	18	VCP	0.6	0.5	0.5	1.6	1	1.6	0		1		1	0		Pro lat(114'), Line OK			2007	0145-0320				
Rear Yard	Easement between Collinson Ave and Sprenger St	SW0183	NS59-9-1-4	9.8	NS59-9-1-3		402	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	14	3		1	18	0					2007	0145-0320	2012	0145-0356	FCIPP	
Rear Yard	Easement between Collinson Ave and Sprenger St	SW0184	NS59-9-1-3		NS59-9-1-2	16.8	334	18	VCP	0.6	0.5	0.5	1.6	1	1.6	8	1		7	16	1	Small OS in lats(68', 144', 183', 185', 225', 304'), Large OS in lat(223'), Lt Roots in lat(265')			2007	0145-0320					
Side Yard	Easement between Veronica Ave and Collinson Ave	SW0185	NS59-10-1		NS59-10	19.5	145	18	VCP	0.6	0.5	0.5	1.6	1	1.6	1				1	0		Line OK			2007	0145-0320				
Rear Yard	Easement between Veronica Ave and Collinson Ave	SW0186	NS59-10-3	10.1	NS59-10-2		265	15	VCP	0.6	0.5	0.5	1.6	1	1.6	6	1	2	1	10	0	Pro lat(64', 167'), Lt Roots intlat(205'), Small OS in lat(245), Long Crack(69 to 80', 117' to 146'), Mult Crack(194')			2007	0145-0320					
Street	Universal Ave	SW0187	NS59-9-0-1	11.8	NS59-9-0	15.4	272	24	VCP	0.8	0.5	1	2.3	1	2.3	5	1	4	10	0	Small OS in lats(137', 216', 252', 254'), Lt MD in lat(179'), Mult. Crack(121'), Long.Crack(217')			2007	0145-0320						
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0188	NS6-13-13-4	10.1	NS59-6-7	15	379	12	VCP	0.5	0.5	0.5	1.5	1	1.5	10	3			13	2					2011-2012	0145-0392	2013	0145-429	SCIPP (10'-35', 169'-193', 363'-373')	
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0189	NS59-6-7-2	8.9	NS59-6-7-1	9.9	358	12	VCP	0.5	0.5	0.5	1.5	1	1.5	7	2	7			16	1					2011-2012	0145-0392	2013	0145-0429	SCIPP (246'-282')

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0190	NS59-6-5-2	10.4	NS59-6-5-1	11	258	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2	7	3				12		Line in fair condition, CM (6-9, 28-36, 136)		2011-2012	0145-0392				
Street	VIRGINIA BETWEEN LINCOLN AND 8 MILE	SW0191	NS59-8-0A	8.5	NS59-8-0	15.9	407	12	HDPE	0.5	0.5	1	2	1	2	2	1	2	1	1	7	5				2011-2012	0145-0392	2013	0145-0433	Burst	
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0192	NS59-6-7-1	9.9	NS59-6-7	15	340	15	VCP	0.6	0.5	0.5	1.6	2.5	4	8	2				10	4		Line in good condition, CM (245), Cl. (260)			2011-2012	0145-0392	?		
Street	VIRGINIA BETWEEN LINCOLN AND 8 MILE	SW0193	NS59-8-0-1	16.6	NS59-8-0	15.9	196	18	VCP	0.6	0.5	1	2.1	1	2.1	3	1				4	1		Line in good condition			2011-2012	0145-0392			
Street	VERONICA BETWEEN REDMOND AND VIRGINIA	SW0194	NS59-8-0	16	NS59-8	17	281	24	CP	0.8	0.5	1	2.3	1	2.3						0			Line in fair condition, Med MD (113.4, 145.1-272.3)			2011-2012	0145-0392			
Street	Lincoln Ave	SW0195	NS59-9-0-2	11	NS59-9-0-1	11.8	310	21	VCP	0.6	0.5	1	2.1	1	2.1	5			1		6	0		Pro lat(260') Line OK			2007	0145-0320			
Rear Yard	Easement between Veronica Ave and Collinson Ave	SW0196	NS59-10-2		NS59-10-1		476	18	VCP	0.6	0.5	0.5	1.6	1	1.6	19		5	4		28	11		Pro lat(12', 16', 63', 134', 331'), Small OS in lat(142', 336', 338', 379').			2007	0145-0320			
Street	Universal Ave	SW0197	NS59-9-0-1A	8.7	NS59-9-0-1	11.8	300	12	CIPP	0.5	0.5	1	2	1	2	7	6				13	1					2007	0145-0320	2012	0145-0356	FCIPP
Parking Lot	Easement between Jean Ave and Universal Ave	SW0198	NS59-9-0-2A	7.9	NS59-9-0-2BB	7.4	97	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0			Line OK			2007	0145-0320			
Rear Yard	Easement between Crescentwood Ave and Glander Ave	SW0200	NS59-14-13	13.7	NS59-7-0-2	13	360	15	VCP	0.6	0.5	0.5	1.6	1	1.6	14	1	2	3		20	0		Pro lat(139', 183'), Large OS w/ L Roots in lat(198'), Large OS in lat(246'), Small OS in lat(296'), Med Roots in lat(352')			2007	0145-0320			
Street	Crusade Ave	SW0201	NS59-12-4	8.5	NS59-12-3	11	20	15	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Line OK			2007	0145-0320			
Street	Crusade Ave	SW0202	NS59-12-5	5	NS59-12-4	8.5	156	12	VCP	0.5	1	1	2.5	1	2.5	2					2	0		Mult. Cracks(55' to 65'), Small OS joint in mainline(149')			2007	0145-0320			
Street	Jean Ave	SW0203	NS59-9-0-3A	8.3	NS59-9-0-3	9.6	299	12	VCP	0.5	0.5	1	2	1	2	4	1	2			7	13					2007	0145-0320	2012	0145-0357	SCIPP (204'-210', 271'-281')
Street	Lincoln Ave	SW0204	NS59-9-0-3	9.6	NS59-9-0-2	11	289	18	VCP	0.6	0.5	1	2.1	1	2.1	7		1	1		9	0		Small OS in lat(191'), Pro lat(201')			2007	0145-0320			
Street	Crusade Ave	SW0205	NS59-9-0-3	9.6	NS59-12-1-1	9.4	20	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Line OK			2007	0145-0320			
Field	Easement between Jean Ave and Universal Ave	SW0206	NS59-9-0-2A	7.9	NS59-9-0-2	11	298	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1					1	14		Large chunk of concrete in line(97'). Unable to remove debris b/c MH's were buried			2007	0145-0320			
Street	Crusade Ave	SW0207	NS59-12-3	11	NS59-12-2	11.3	246	15	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Line OK			2007	0145-0320			
Street	Crusade Ave	SW0208	NS59-12-2	11.3	NS59-12-1	13.4	283	15	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Line OK			2007	0145-0320			
Street	Lincoln Ave	SW0209	NS59-9-0-5	7.4	NS59-9-0-4	8.3	302	12	VCP	0.5	0.5	1	2	1	2	2	2	1	5		8	9					2007	0145-0320	2012	0145-0357	SCIPP (181'-184')
Easement	EASEMENT BETWEEN LINCOLN AND TOEPFER	SW0210	NS59-6-1B	10.6	NS59-6-1A	13.6	133	12	VCP	0.5	0.5	0.5	1.5	3	4.5	3	2			5	3		Line in fair condition, CM (83-125)				2011-2012	0145-0392			
Alley	Alley behind Southbound Gratiot North of Toepper Rd	SW0212	NS59-14-11	11.8	NS59-14-10	11.8	197	12	VCP	0.5	1	0.5	2	1	2	1	1			2	9		Lt MD at lat(10'), Mod inf. at joint(163'), Lt MD at joints/T/O				2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Alley	Alley behind Southbound Gratiot North of Toepper Rd	SW0213	NS59-14-11	11.8	NS59-14-12	11.2	144	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2					2	7	Inf. @ joint(90°)		2007	0145-0320				
Parking Lot	Alley behind Southbound Gratiot North of Toepper Rd	SW0216	NS59-14-12	11.2	NS59-14-13	13.7	146	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			1		2	5	Pro lat(89°), Lt MD @ joints T/O		2007	0145-0320				
Parking Lot	Easement between Crescentwood Ave and Glander Ave	SW0217	NS59-14-13A		NS59-14-13	13.7	47	15	VCP	0.6	0.5	0.5	1.6	1	1.6	0					0	1	Video very dark. Report calls out two laterals at 36' & 38' but never shows them. Video is so dark that you can't see if there are even laterals where the report says they should be.		2007	0145-0320				
Parking Lot	Alley behind Southbound Gratiot North of Toepper Rd	SW0219	NS59-14-13	13.7	NS59-14-14	11.4	147	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	1					1	0	Line OK		2007	0145-0320				
Rear Yard	Easement between Crescentwood Ave and Glander Ave	SW0220	NS59-7-0-2	13	NS59-7-0-1		347	18	VCP	0.6	0.5	0.5	1.6	1	1.6	9	3	1	7	20	1	Hvy Roots in lat(99°), Med Roots in lat(89°), Large OS in lat(139°, 189°), Lt Roots in lat(144°), Small OS in lat(199°, 239°, 237°, 317°, 334°), Lt MD in lat(289°)		2007	0145-0320					
Rear Yard	Easement between Crescentwood Ave and Glander Ave	SW0221	NS59-7-0-1		NS59-7-0		307	18	VCP	0.6	0.5	0.5	1.6	1	1.6	11			8	19	0	Small OS in lat(8°, 89°, 127°, 170°, 187°, 209°, 250°, 289°), Mult. Crack(73°)		2007	0145-0320					
Rear Yard	Easement between Crescentwood Ave and Glander Ave	SW0222	NS59-7-0		NS59-7	20.3	226	18	VCP	0.6	0.5	0.5	1.6	2	3.2	5			5	10	0	Small OS in lat(7°, 37°, 40°, 78°, 80°), Open joint in mainline(204), Long. Crack(71°, 210°)		2007	0145-0320					
Street	Redmond Ave	SW0223	NS59-7-1	11.3	NS59-7	20.3	309	24	VCP	0.8	0.5	1	2.3	2.5	5.75	3	2		3	8	0	Small OS in lat(2°), Lt Roots in lat(101°, 259°), Large OS in lat(101°, 220°), Long. Crack(7°), Mult. Crack(295°)		2007	0145-0320					
Street	Redmond Ave	SW0224	NS59-7-2A	8.5	NS59-7-2	9.3	97	12	VCP	0.5	0.5	1	2	1	2	0	1	1		2	3				2007	0145-0320	2012	0145-0357	SCIPP (86°-92°)	
Street	Redmond Ave	SW0225	NS59-7-2B		NS59-7-1	11.3	183	21	VCP	0.6	0.5	1	2.1	1	2.1	5	2			7	1	Lt Roots in lats(211°, 289°), Mult. Cracks(213°, 320°), Long. Crack(289°)		2007	0145-0320					
Alley	Alley behind Southbound Gratiot North of Toepper Rd	SW0226	NS59-14-14	11.4	NS59-14-15	10.7	187	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4				4	5	Line OK			2007	0145-0320				
Rear Yard	Easement between Chestnut Ave and Crescentwood Ave	SW0229	NS59-14-15	10.7	NS59-7-1-2		373	18	VCP	0.6	0.5	0.5	1.6	1	1.6	17	1	1	1		20	3	Med to Hvy MD @ joints T/O, Survey abandoned twice b/c of Hvy MD in mainline. No attempt to remove MD, Left Hvy MD in line		2007	0145-0320				
Alley	Alley behind Southbound Gratiot North of Toepper Rd	SW0235	NS59-14-16	10.4	NS59-14-17	12.6	186	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2				2	5	Lt MD @ joints T/O			2007	0145-0320				
Alley	Alley behind Southbound Gratiot North of Toepper Rd	SW0236	NS59-14-15	10.7	NS59-14-16	10.4	130	12	VCP	0.5	0.5	0.5	1.5	3	4.5	3				3	2	Lt MD in lat(44°), Lt Roots in lat(87°), Pro lat(157°), Mult. Cracks(150° to 175°)		2007	0145-0320					
Rear Yard	Easement between Chestnut Ave and Crescentwood Ave	SW0237	NS59-7-1-2		NS59-7-1		347	21	VCP	0.6	0.5	0.5	1.6	1	1.6	15	1	2		18	1	Med Roots in lat(110°), Pro lat(194°, 230°), Long. Cracks(20° to 30°, 68° to 100°)			2007	0145-0320				
Rear Yard	Easement between Chestnut Ave and Crescentwood Ave	SW0238	NS59-7-1-1		NS59-7-1	11.3	350	21	VCP	0.6	0.5	0.5	1.6	1	1.6	15		2	1	18	0	Pro lat(38°, 198°), Small OS in lat(260°), Long. Crack(112°, 344°)			2007	0145-0320				
Rear Yard	Easement between Ash Ave and Chestnut Ave	SW0239	NS59-14-17	12.6	NS59-7-3		442	21	VCP	0.6	0.5	0.5	1.6	1	1.6	12	2	4		1	19	4	Lt to Med MD @ joints T/O, Footage counter obscured			2007	0145-0320			
Street	Ash Ave	SW0240	NS63-6-4	11.2	NS63-6-3	11.8	23	15	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Lt to Med MD @ joints T/O			2007	0145-0320				
Alley	Alley behind Southbound Gratiot North of Toepper Rd	SW0244	NS59-14-17	12.6	NS63-6-3	11.8	159	12	VCP	0.5	0.5	0.5	1.5	1	1.5	3				3	5	Small OS in lat(53°), LIMD in lat(95°, 169°, 214°, 338°), Med Roots in lat(141°), Lt Roots in lat(44°), Re-Bar wedged in joint(90°), Mult. Crack(363°)			2007	0145-0320				
Rear Yard	Easement between Ash Ave and Chestnut Ave	SW0245	NS59-7-3		NS59-7-2	9.3	465	21	VCP	0.6	0.5	0.5	1.6	1	1.6	11	3		2	16	5	Small OS in lat(52°, 90°), Lt Roots in lat(195°, 250°, 276°), Mult. Cracks(49°, 154°)			2007	0145-0320				
Street	Ash Ave	SW0246	NS63-6-3	11.8	NS63-6-2	11.2	429	15	VCP	0.6	0.5	1	2.1	1	2.1	8	1	2		11	5	Med MD in lat(47°), Pro lat(107°, 207°), Long. Crack(201°, 251°)			2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Ash Ave	SW0247	NS63-6-2	11.2	NS63-6-1	9.8	508	18	VCP	0.6	0.5	1	2.1	3	6.3	9	4	1	14	6	Pro lat(58'), Hwy Roots in lats(101', 139'), Med Roots in lats(225', 475'), Mult Cracks(396', 498')		2007	0145-0320						
Street	Ash Ave	SW0249	NS63-6-1	9.8	NS63-6	11.3	161	18	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Mult. Cracks(2' to 21')		2007	0145-0320				
Alley	Alley behind Southbound Gratiot North of Toepper Rd	SW0250	NS63-6-3	11.8	NS63-5-3	10.5	342	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1	1.5	1	6	7	4	Pro lats(118', 132', 178', 197', 213', 247'), Lt to Med MD @ joints T/O		2007	0145-0320					
Street	Couzens Ave	SW0252	NS63-5-4	9.7	NS63-5-3	10.5	47	18	VCP	0.6	0.5	1	2.1	1	2.1	1					1	1	Line OK		2007	0145-0320				
Street	Couzens Ave	SW0256	NS63-5-3	10.5	NS63-5-2	11.2	382	18	VCP	0.6	0.5	1	2.1	1	2.1	12		12	24	10	Prp lats(87', 142', 149', 184', 188', 230', 245', 278', 308', 331', 343', 345'), Line OK		2007	0145-0320						
Street	Alley behind Southbound Gratiot North of Toepper Rd	SW0257	NS63-5-3A	12	NS63-5-3	10.5	57	12	VCP	0.5	0.5	1	2	1	2	1				1	1	Line OK			2007	0145-0320				
Street	Couzens Ave	SW0258	NS63-5-2	11.2	NS63-5-1	10	389	21	CIPP	0.6	0.5	1	2.1	1	2.1	8		14		22	11					2007	0145-0320	2012	0145-0356	FCIPP
Alley	Mok Ave	SW0260	NS63-4-4	9.7	NS63-4-3	10.3	123	12	RCP	0.5	0.5	0.5	1.5	1	1.5	1	1.5	1		2	5	Lt H2S damage T/O			2007	0145-0320				
Street	Mok Ave	SW0262	NS63-4-3	10.3	*NS63-4-2A	10.5	301	12	RCP	0.5	0.5	1	2	1	2	10		1		11	4	Pro lat(247'), Line OK			2007	0145-0320				
Street	Mok Ave	SW0263	NS63-4-1	11.3	NS63-4	13.5	166	15	RCP	0.6	0.5	1	2.1	1	2.1	1				1	0	Long. Crack(43' to 70')			2007	0145-0320				
Street	Oak Ave	SW0264	NS63-3-4	12	NS63-3-3	12.3	94	12	VCP	0.5	0.5	1	2	1	2	0		1		1	3	Lt MD in lat(24'), MD in mainline(84' to 94')			2007	0145-0320				
Street	Oak Ave	SW0270	NS63-3-3	12.3	NS63-3-2	12.3	312	12	VCP	0.5	0.5	1	2	1	2	10		4	14	8	Pro lats(155', 177', 237', 286'), Mult. Cracks(217', 252')			2007	0145-0320					
Street	Oak Ave	SW0271	NS63-3-2	12.3	NS63-3-1	12.6	147	15	CIPP	0.6	0.5	1	2.1	1	2.1	5				5	1				2007	0145-0320	2012	0145-0356	FCIPP	
Street	Oak Ave	SW0272	NS63-3-1	12.6	NS63-3	15	150	15	HDPE	0.6	0.5	1	2.1	1	2.1	0				0	0				2007	0145-0320	2012	0145-0358	Burst	
Street	Etheyn Ct	SW0273	NS63-2-1	9.3	NS63-2	16.7	166	12	VCP	0.5	0.5	1	2	1	2	1		1		2	0	Pro lat(91'), Long. Crack(89')			2007	0145-0320				
Street	Etheyn Ct	SW0274	NS63-2-2	7.7	NS63-2-1	9.3	386	12	VCP	0.5	0.5	1	2	1	2	0		1	5	6	13	Pro lats(16', 47', 69', 98', 162'), Med MD in lat(138'), Long. Crack(252')			2007	0145-0320				
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0278	NS59-6-5A	11.8	NS59-6-5	15	300	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	6	1	3		10	2				2011-2012	0145-0392	2013	0145-0429	FCIPP	
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0279	NS59-6-5-1	11	NS59-6-5	15	230	15	VCP	0.6	0.5	0.5	1.6	3	4.8	5	1	1		7	1	Line in fair condition, CL (119-184)			2011-2012	0145-0392				
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW0280	NS59-6-1-1	14	NS59-6-1	19.1	447	18	VCP	0.6	0.5	0.5	1.6	3	4.8	21	5	6	3	35		Line in fair condition, CL (281-305, 368-394)			2011-2012	0145-0392				
Street	Nevada Ave	SW0281	NS61-8	6.3	NS61-7	7.5	88	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Stick wedge in joint(27')			2007	0145-0320				
Street	Nevada Ave	SW0282	NS61-7	7.5	NS61-6	9.5	316	12	CIPP	0.5	0.5	1	2	1	2	18				18	0	Line OK			2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Nevada Ave	SW0283	NS61-6	9.5	NS61-5	10.3	362	18	CIPP	0.6	0.5	1	2.1	1	2.1	18			1	19	1				2007	0145-0320	2012	0145-0358	OCR (179'-185'), FCIPP	
Street	Nevada Ave	SW0284	NS61-5	10.3	NS61-4	12	543	21	CIPP	0.6	0.5	1	2.1	1	2.1	18	3		2	23	0	Small OS in lat(5', 41'), Med Roots in lat(59), Lt Root in lat(317', 327')			2007	0145-0320				
Street	Nevada Ave	SW0285	NS61-4	12	NS61-3	13.2	467	21	CIPP	0.6	0.5	1	2.1	1	2.1	17		1	3	21	0				2007	0145-0320	2012	0145-0358	OCR (86'-150')	
Street	Nevada Ave	SW0286	NS61-3	13.2	NS61-2	15	347	24	VCP	0.8	0.5	1	2.3	2	4.6	10		3	13	0	Small OS in lat(80', 311'), Large OS in lat(210'), Long Crack(189' to 210')			2007	0145-0320					
Street	Nevada Ave	SW0287	NS61-2	15	NS61-1	17.8	419	27	RCP	0.8	0.5	1	2.3	1	2.3	12	1	2		15	0	Pro lat(210', 261'), Lt Roots in lat(304'), Lt MD at joints(350', 388'), Lt Inf. @ joint(414')			2007	0145-0320				
Street	Pleasant Ave	SW0294	E23-B	18.2	Blind Tap	NA	35	27	RCP	0.8	1	1	2.8	1	2.8	0				0	0	Line OK			2007	0145-0320				
Street	TOEPPER EAST OF BOULDER	SW0295	NS59-6A	11.9	NS59-6	21.6	25	12	TTE	0.5	1	1	2.5	1	2.5					0		Line in fair condition			2011-2012	0145-0392				
Street	TOEPPER EAST OF BOULDER	SW0296	NS59-6B	7.9	NS59-6A	11.9	31	12	RCP	0.5	1	1	2.5	1	2.5					0	2	Line in fair condition, RMJ (0-31) POSSIBLY ABANDONED			2011-2012	0145-0392				
Street	TOEPPER EAST OF BOULDER	SW0297	NS59-6A-A	14.1	NS59-6	21.6	43	12	RCP	0.5	0.5	1	2	1	2					0		Line in good condition			2011-2012	0145-0392				
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0298	NS6-13-11-5	9.1	NS59-6-5A	11.8	347	12	VCP	0.5	0.5	0.5	1.5	1	1.5	9	5			14	2	Line in good condition			2011-2012	0145-0392				
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW0299	NS59-6-1-1	10.8	NS6-13-9-3	13.7	463	12	VCP	0.5	0.5	0.5	1.5	2.6	3.9	17	2			19	19	Line in fair condition, CL (120-202, 275-295), B (291)			2011-2012	0145-0392				
Street	Pleasant Ave	SW0300	E23-5	7.8	E23-4	11.3	388	12	VCP	0.5	0.5	1	2	1	2	9	2	1	6		18	13	Pro lat(31', 64', 95', 141', 166', 219'), Med Roots in lat(52', 196'), Lt MD in lat(344'), Mult. Cracks(6', 171', 337')			2007	0145-0320			
Street	Toepfer	SW0301	NS59-6B-B	16.3	NS59-6A		602	12	RCP	0.5	0.5	1	2	3	6	0	1			1	0	Lt H2S damage T/O, Lt MD at joints T/O	FCIPP	2016	0145-0458					
Street	TOEPPER EAST OF BOULDER	SW0302	NS-59-6B-B	8.3	NS59-6B-C / EOL NORTH	9.2	85	12	RCP	0.5	0.5	1	2	1	2					0		Line in good condition			2011-2012	0145-0392				
Street	Pleasant Ave	SW0303	E23-4	11.3	E23-3	11.3	408	18	VCP	0.6	0.5	1	2.1	3	6.3	19	1	3	1	24	3	Lt Roots in lat(78'), Large OS in lat(111'), Pro lat(119', 156', 274'), Mult. Cracks(128', 322')			2007	0145-0320				
Street	Pleasant Ave	SW0304	E23-3	11.3	E23-2	14.5	423	21	VCP	0.6	0.5	1	2.1	1	2.1	19		2	1	22	9				2007	0145-0320	2012	0145-0358	OCR (410'-416')	
Street	Pleasant Ave	SW0305	E23-2	14.5	E23-1	15.5	422	24	VCP	0.8	0.5	1	2.3	1	2.3	11	1	2	5	19	1	Small OS in lat(40'), Pro lat(42', 338'), Large OS in lat(90', 240', 268', 290')			2007	0145-0320				
Street	Pleasant Ave	SW0309	E23-A	15.7	*E23-A-1	15.7	258	27	RCP	0.8	0.5	1	2.3	1	2.3	11	1			12	0	Lt MD in lat(24')			2007	0145-0320				
Street	Oak Ave	SW0310	E23-1-1	14.5	E23-1-2	13.5	185	15	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Line OK			2007	0145-0320				
Street	Oak Ave	SW0311	E23-1	15.5	E23-1-1	14.5	154	15	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Lt MD @ select joints T/O			2007	0145-0320				
Street	Oak Ave	SW0312	E23-1-3	13.3	NS53-4	15	192	15	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Line OK			2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Oak Ave	SW0313	E23-1-2	13.5	E23-1-3	13.3	141	15	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Metal pipe wedged in joint(33")		2007	0145-0320			
Street	Melrose Ct	SW0314	E23-1-2-1	10.8	E23-1-2	13.5	350	12	VCP	0.5	0.5	1	2	1	2	14					14	0		Line OK		2007	0145-0320			
Street	Shakespeare Ave	SW0316	NS53-1	18.3	Blind Tap	NA	36	27	RCP	0.8	1	1	2.8	1	2.8	0					0	0		Line OK		2007	0145-0320			
Street	Toepfer	SW0318	E23-SSSW	3.6	E23-5		72	12	VCP	0.5	1	1	2.5	3	7.5	0					0	0		Long Crack(9', 19', 24', 28', 36', 63', 66'), Hinge Fracture(11'), Multi Crack(21', 30', 38'-72'), Gas line thru sewer(60')	FCIPP	2016	0145-0458			
Street	Shakespeare Ave	SW0319	NS53-4	15	E22	15.7	10	24	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0		L1 MD in lat(78')		2007	0145-0320			
Street	Shakespeare Ave	SW0320	NS53-3	15.3	NS53-2	16.2	262	27	RCP	0.8	0.5	1	2.3	1	2.3	9	1	2			12	0		L1 Roots in lat(12'), L1 MD in lat(119', 226')		2007	0145-0320			
Street	Shakespeare Ave	SW0321	NS53-2	16.2	NS53-1	18.3	435	27	RCP	0.8	0.5	1	2.3	1	2.3	9	1	4	1		15	0		L1 MD in lats(85', 117', 278', 363'), Pro lat(143'), L1 Roots in lat(280')		2007	0145-0320			
Street	Piper Ave	SW0323	NS48-1	18.1	Blind Tap	NA	43	27	RCP	0.8	1	1	2.8	1	2.8	0					0	0		Line OK		2007	0145-0320			
Street	Piper Ave	SW0324	NS48-3	14.2	E21	15.3	20	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Small OS in lats(114', 115', 155', 194', 234', 236', 354', 394', 396'), Pro lat(13', 324', 357'), Large OS in lats(314', 316')		2007	0145-0320			
Street	Piper Ave	SW0325	NS48-2	16	NS48-1	18.1	435	27	RCP	0.8	0.5	1	2.3	1	2.3	17	2	3			22	0		Pro lat(109', 129', 158'), L1 MD in lats(124', 244')		2007	0145-0320			
Street	Rein Ave	SW0326	NS46-1	17.6	Blind Tap	NA	40	24	VCP	0.8	1	1	2.8	1	2.8	0					0	0		Line OK		2007	0145-0320			
Street	Rein Ave	SW0329	NS46-2	15	NS46-1A		318	24	VCP	0.8	0.5	1	2.3	1	2.3	8	1	4	6		19	0		Small OS in lats(12', 14', 15', 133', 173', 251'), Pro lat(90', 109', 210', 222'), L1 MD in lat(307'), Long Crack(151')		2007	0145-0320			
Street	Cushing Ave	SW0330	NS43-3	13.7	E19	13.8	24	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0				2007	0145-0320	2012	0145-0357	SCIPP (61'-67'), OCR (95'-129')
Street	Shakespeare Ave	SW0331	NS53-9	7.7	NS53-8	9	255	15	VCP	0.6	0.5	1	2.1	1	2.1	6	1	1	8	4				Small OS in lat(114'), Pro lat(216'), Long Crack(26'), Multi Cracks(118')		2007	0145-0320			
Street	Shakespeare Ave	SW0332	NS53-8	9	NS53-7	9.8	164	15	VCP	0.6	0.5	1	2.1	1	2.1	7		1		8	1		Pro lat(115'), Long Crack(25')		2007	0145-0320				
Street	Shakespeare Ave	SW0333	NS53-7	9.8	NS53-6	11	222	18	VCP	0.6	0.5	1	2.1	4	8.4	5	1	2	1	9	1			Pro lat(11', 112'), L1 Roots in lat(173'), Small OS in lat(175'), Pipe cracked, deformed, and fractured(103' to 115')		2007	0145-0320			
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0337	NS6-13-13-4	10.4	NS6-13-13-3	12.2	376	12	VCP	0.5	0.5	0.5	1.5	5	7.5	14					14	1		Line in fair condition, B(19), CL(19-31, 274-290)		2011-2012	0145-0392	Needs FCIPP		
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0338	NS6-13-11-3	11.6	NS6-13-11-2	12.1	115	12	VCP	0.5	0.5	0.5	1.5	1	1.5	3					3	1		Line in good condition		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0339	NS6-13-11-4	9	NS6-13-11-3	11.6	80	12	VCP	0.5	0.5	0.5	1.5	3	4.5	1	1			2			Line in fair condition, CL(8-80)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0340	NS6-13-11-5	9	NS6-13-11-4	9	261	12	VCP	0.5	0.5	0.5	1.5	5	7.5	6	3	1			10			Line in fair condition, CH4 (5-31), D(2,19)		2011-2012	0145-0392	Needs FCIPP		
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW0341	NS6-13-9-3	10.8	NS6-13-9-2	9.2	221	12	VCP	0.5	0.5	0.5	1.5	1	1.5	6	1			7	4		Line in fair condition		2011-2012	0145-0392				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Rear Yard	Easement just north of Toepper Rd	SW0342	NS53-10		NS53-9	7.7	148	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			3		4	3		Pro lats(49', 71', 93')		2007	0145-0320				
Rear Yard	Easement just north of Toepper Rd	SW0343	NS53-9A		NS53-9	7.7	140	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1	1	1	1		3	2		Pro lat(71'), Lt Roots in lat(115'), Mult. Cracks(64')		2007	0145-0320				
Rear Yard	Easement just north of Toepper Rd	SW0344	NS53-10		NS48-7	7.5	200	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1	1	1	1		3	2		Med Roots in lat(128'), Pro lat(141'), Mult. Cracks(21' to 32')		2007	0145-0320				
Street	Piper Ave	SW0345	NS48-8	3.7	NS48-7	7.5	135	15	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Line OK		2007	0145-0320				
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0346	NS6-13-17-1	13.1	NS6-13-17	15	357	18	VCP	0.6	0.5	0.5	1.6	1	1.6	3	3	1	10	1	18			Line in fair condition, CL (254-261), CM (3)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0347	NS6-13-15-1	14	NS6-13-15	15.3	357	18	VCP	0.6	0.5	0.5	1.6	1	1.6	10	6		3	19				Line in good condition		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0348	NS6-13-13-1	15	NS6-13-13	15.8	360	18	VCP	0.6	0.5	0.5	1.6	1	1.6	4	5	1	8	1	19			Line in good condition		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0349	NS6-13-11-1	15	NS6-13-11	16	355	18	VCP	0.6	0.5	0.5	1.6	1	1.6	5	2		9	1	17	2		Line in fair condition		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW0350	NS6-13-9-1	14.4	NS6-13-9	17	349	18	VCP	0.6	0.5	0.5	1.6	1	1.6	18	5	1	7	1	32					2011-2012	0145-0392	2013	0145-0433	OCR (0'-11')	
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0354	NS6-13-17-3	11.4	NS6-13-17-2	10.4	123	12	VCP	0.5	0.5	0.5	1.5	1	1.5	5					5	3				2011-2012	0145-0392	2013	0145-0433	OCR (66'-74')	
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0355	NS6-13-15-3	11.4	NS6-13-15-2	12	123	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2	2				4	2		Line in good condition			2011-2012	0145-0392			
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0356	NS6-13-15-4	11	NS6-13-15-3	11.4	378	12	VCP	0.5	0.5	0.5	1.5	5	7.5	12	1				13	1		Line in fair condition, CM (217-242, 273-312, 326-359), B (231, 276)		2011-2012	0145-0392	Needs FCIPP			
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0357	NS6-13-13-3	12.2	NS6-13-13-2	11.9	120	12	VCP	0.5	0.5	0.5	1.5	1	1.5	3	3				6			Line in good condition			2011-2012	0145-0392			
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0358	NS6-13-17-2	10.5	NS6-13-17-1	13.1	362	15	VCP	0.6	0.5	0.5	1.6	3	4.8	7	2				9	7		Line in fair condition, CL (186-207)			2011-2012	0145-0392			
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0359	NS6-13-15-2	7.4	NS6-13-15-1	14	357	12	VCP	0.5	0.5	0.5	1.5	2.5	3.75	10	7		1	18				Line in fair condition, CL(91-146, 170-251, 283-327), D (312)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0360	NS6-13-13-2	11.9	NS6-13-13-1	15	360	15	VCP	0.6	0.5	0.5	1.6	3	4.8	9	4		1	14				Line in fair condition, CL (0-94)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0361	NS6-13-11-2	12.1	NS6-13-11-1	15	365	12	VCP	0.5	0.5	0.5	1.5	3	4.5	10	3		5	2	20			Line in fair condition, CL (53-127, 153-183)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW0362	NS6-13-9-2	6.8	NS6-13-9-1	14.4	391	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	20	1	2		2	25	12				2011-2012	0145-0392	2013	0145-0429	FCIPP	
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW0363	NS6-13-21-1	12.4	NS6-13-21	12.5	354	18	VCP	0.6	0.5	0.5	1.6	1	1.6	6	8		2	1	17	1		Line in fair condition			2011-2012	0145-0392			
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0364	NS6-13-19-1	13.3	NS6-13-19	13.5	358	18	VCP	0.6	0.5	0.5	1.6	1	1.6	12			6	1	19					2011-2012	0145-0392	2013	0145-0433	OCR (61'-69')	
Street	Rein Ave	SW0365	NS46-7	7.3	NS46-6	9.3	428	15	VCP	0.6	0.5	1	2.1	1	2.1	13	1		11			25	3				2007	0145-0320	2012	0145-0358	OCR (29'-46')

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW0366	NS6-13-6-BB	10.6	NS6-13-6	9.3	172	12	VCP	0.5	0.5	0.5	1.5	1	1.5					0	6				2011-2012	0145-0392			
Alley	NORTH 8 MILE ALLEY BETWEEN CUSHING AND KELLY	SW0367	NS6-24	12.3	NS6-23	17.3	389	15	VCP	0.6	0.5	0.5	1.6	1	1.6	11			1	12	19					2011-2012	0145-0392		
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0368	NS-6-13-6-3-1	12.1	NS-6-13-6-3	16.1	258	15	VCP	0.6	0.5	0.5	1.6	1	1.6	4	2		6	12						2011-2012	0145-0392		
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0369	NS6-13-6-2-1	12.5	NS6-13-6-2	16	253	15	VCP	0.6	0.5	0.5	1.6	1	1.6	3	2		2	5	3	15				2011-2012	0145-0392		
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0372	NS6-13-6-4-1	12.8	NS6-13-6-4	13	121	18	VCP	0.6	0.5	0.5	1.6	1	1.6	5	1		1	7	8					2011-2012	0145-0392		
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW0373	NS6-13-6-5A	8.6	NS6-13-6-5	8.6	166	21	RCP	0.6	0.5	0.5	1.6	1	1.6	1					1	6				2011-2012	0145-0392	2013	0145-0429 SCIPP (165'-171')
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW0374	NS6-13-6-4A	12.5	NS6-13-6-4	13.6	159	27	RCP	0.8	0.5	0.5	1.8	1	1.8						0	9				2011-2012	0145-0392		
Street	Rein Ave	SW0375	NS46-8	4	NS46-7	7.3	123	15	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0				2007	0145-0320	2012	0145-0358 OCR (53'-56')
Easement	EASEMENT BETWEEN 8 MILE AND STRICKER	SW0376	NS6-13-24A	12	NS6-13-24	13.8	96	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	3					3	5				2011-2012	0145-0392	2013	0145-0429 FCIPP
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0377	NS6-13-7A	10	NS6-13-17	10.8	113	12	PP	0.5	0.5	0.5	1.5	1	1.5	4					4	1				2011-2012	0145-0392	2012	0145-0356 FCIPP
Alley	Easement just north of Toepper Rd	SW0378	NS46-7A		NS46-7	7.3	93	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			2	3	2					2007	0145-0320		
Rear Yard	Easement just north of Toepper Rd	SW0379	NS46-7	7.3	NS48-7	7.5	264	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			4	5	4					2007	0145-0320		
Street	Rein Ave	SW0380	NS46-6	9.3	NS46-5	10.5	230	18	VCP	0.6	0.5	1	2.1	1	2.1	3	1		6	1	11	4				2007	0145-0320		
Street	Piper Ave	SW0381	NS48-7	7.5	NS48-6	10.2	415	15	CIPP	0.6	0.5	1	2.1	1	2.1	11	1	1	4		17	11				2007	0145-0320	2012	0145-0358, 0145-0356 OCR (240'-287'), FCIPP
Street	Piper Ave	SW0382	NS48-6	10.2	NS48-5	10.8	232	18	VCP	0.6	0.5	1	2.1	3	6.3	3			1	3	7	5				2007	0145-0320		
Street	Shakespeare Ave	SW0383	NS53-6	11	NS53-5	12.2	477	24	VCP	0.8	0.5	1	2.3	1	2.3	24					24	0				2007	0145-0320		
Street	Shakespeare Ave	SW0384	NS53-5	12.2	NS53-4	15	467	24	VCP	0.8	0.5	1	2.3	1	2.3	11			6	4	21	0				2007	0145-0320		
Street	Piper Ave	SW0385	NS48-5	10.8	NS48-4	12.5	476	21	VCP	0.6	0.5	1	2.1	2	4.2	10	4		5	7	26	3				2007	0145-0320		
Street	Piper Ave	SW0386	NS48-3	14.2	NS48-2	16	242	24	VCP	0.8	0.5	1	2.3	1	2.3	10			3	11	24	0				2007	0145-0320		
Street	Piper Ave	SW0387	NS48-4	12.5	NS48-3	14.2	467	24	VCP	0.8	0.5	1	2.3	1	2.3	6	1		9	5	21	2				2007	0145-0320		
Street	Rein Ave	SW0388	NS46-5	10.5	NS46-4	11.3	467	21	VCP	0.6	0.5	1	2.1	4	8.4	23	2		3	3	31	3				2007	0145-0320		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural P/AC/P Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Rein Ave	SW0390	NS46-4	11.3	NS46-3	14.7	466	21	VCP	0.6	0.5	1	2.1	1	2.1	22	1	5	2	30	0	Pro lats(2', 54', 218', 291', 379'), Small OS in lats(19', 62'), Lt Roots in lat(254), Long Crack(2', 368'), Mult. Cracks(30')		2007	0145-0320				
Street	Cushing Ave	SW0391	NS43-2	14.3	*NS43-1A	14.3	313	24	VCP	0.8	0.5	1	2.3	1	2.3	4	1	4	6	15	0	Small OS in lats(77', 79', 162', 240', 280', 282'), Pro lats(85', 117', 198', 256'), Lt Roots in lat(119')		2007	0145-0320				
Street	Cushing Ave	SW0392	NS43-1	16	Blind Tap	NA	43	24	VCP	0.8	1	1	2.8	1	2.8	0					0	0	Line OK		2007	0145-0320			
Street	Donald Ave	SW0394	NS40-1	16.8	Blind Tap	NA	44	24	VCP	0.8	1	1	2.8	1	2.8	0					0	0	Line OK		2007	0145-0320			
Street	Donald Ave	SW0395	NS40-2	15	NS40-1	16.8	436	24	VCP	0.8	0.5	1	2.3	1	2.3	5	2	3	2	12	7	Small OS in lats(36', 119'), Lt MD in lats(76', 279'), Pro lats(190', 193', 231'), Mult. Cracks(239' to 253', 372' to 408')		2007	0145-0320				
Street	Donald Ave	SW0396	NS40-3	13.5	E18	16.7	19	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Small OS in lats(4', 307', 348', 425'), Pro lats(67', 172', 189'), Video jumps from 221 to 238, Video skips three laterals, DVD 81 corrects problem		2007	0145-0320			
Street	Rausch Ave	SW0398	NS37-1	15.8	Blind Tap	NA	45	27	RCP	0.8	1	1	2.8	1	2.8	0					0	0	Line OK		2007	0145-0320			
Street	Rausch Ave	SW0399	NS37-3	13.1	E17	14.3	29	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Lt Roots in lat(68'), Small OS in lat(348')		2007	0145-0320			
Street	Rausch Ave	SW0400	NS37-2	14.6	NS37-1	15.8	438	27	RCP	0.8	0.5	1	2.3	1	2.3	2		6		8	7	Pro lats(118', 155', 198', 233', 281', 337')		2007	0145-0320				
Street	David Ave	SW0401	NS33-1	18.5	Blind Tap	NA	40	24	VCP	0.8	1	1	2.8	1	2.8	0					0	0	Line OK		2007	0145-0320			
Street	David Ave	SW0402	NS33-3	14.5	E16	30	26	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0			2007	0145-0320	2012	0145-0358	OCR(414'-419')
Street	David Ave	SW0403	NS33-2	15.7	NS33-1	18.5	437	24	VCP	0.8	0.5	1	2.3	1	2.3	8	3	1	1	1	14	2	Small OS in lat(67'), Large OS and broken pipe in lat(194), Lt MD in lat(288), Med MD in lat(284', 288'), Pro lat(341')		2007	0145-0320			
Street	Saxony Ave	SW0404	NS31-1	20	Blind Tap	NA	50	24	VCP	0.8	1	1	2.8	1	2.8	0					0	0	Line OK		2007	0145-0320			
Street	Saxony Ave	SW0405	NS31-4	14.3	E15	15.7	22	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Small OS in lat(79', 146', 365', 369'), Lt Roots in lat(111'), Large OS in lat(160', 277', 317'), Pro lats(172', 202', 237', 239'), Large OS and broken pipe in lat(320')		2007	0145-0320			
Street	Saxony Ave	SW0406	NS31-3	15.3	NS31-2	17	371	24	VCP	0.8	0.5	1	2.3	1	2.3	1	2	1	5	9	18	1	Pro lats(24', 102', 224', 226', 303'), Small OS in lats(26', 62', 64', 105', 183', 185', 265', 267', 343'), Lt MD in lat(142'), Lt Roots intabs(144', 341')		2007	0145-0320			
Alley	Easement South of Nine Mile Rd and East of David Ave.	SW0407	NS31-2A	12.6	NS31-2	17	201	12	VCP	0.5	0.5	0.5	1.5	1	1.5	7	3			10	0	Hvy MD in lats(34', 136', 154')		2007	0145-0320				
Alley	Easement South of Nine Mile Rd and East of David Ave.	SW0408	NS31-2B	21.4	NS28-2	16.6	72	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1					1	2	Line OK		2007	0145-0320			
Street	Saxony Ave	SW0409	NS31-2	17	NS31-1	20	122	24	VCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Long Crack(93' to 101')		2007	0145-0320			
Field	Easement just north of Toepler Rd	SW0410	NS6-11-9	11	NS6-11-8		107	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0		1		1	2	Pro lat(94'), Line OK		2007	0145-0320				
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0412	NS6-18-2	9	NS6-13-6-5-1	12.7	397	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	13	1			14	7				2011-2012	0145-0392	2013	0145-0429	FCIIPP
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0413	NS6-17-3	8.5	NS6-17-2	11.8	399	12	HDPE	0.5	0.5	0.5	1.5	1	1.5	13	1	1	12	27	4				2011-2012	0145-0392	2013	0145-0433	Burst

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0414	NS6-17-3	8.5	NS6-13-6-4-1	12.8	397	12	VCP	0.5	0.5	0.5	1.5	1	1.5	12	1	1	1	14	9			2011-2012	0145-0392	2013	0145-0429	SCIPP (89'-139')			
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0415	NS6-16-4	7.5	NS-6-13-6-3-1	12.1	396	12	VCP	0.5	0.5	0.5	1.5	1	1.5	9	3	2			14	9	Line in fair condition, CL (53-144, 189-240)		2011-2012	0145-0392					
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0416	NS6-15-4	8	NS6-13-6-2-1	12.5	389	12	VCP	0.5	0.5	0.5	1.5	1	1.5	15			1		16	4	Line in good condition		2011-2012	0145-0392					
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0417	NS6-14-5	7.9	NS6-13-6-1-1	11	382	12	VCP	0.5	0.5	0.5	1.5	2.5	3.75	12	3		1	16	4		Line in fair condition, CL (89-110), CM (215-219, 295-300)		2011-2012	0145-0392					
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW0418	NS6-13-6-7	10.9	NS6-13-6-8	9.9	400	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	9	2				11	6			2011-2012	0145-0392	2013	0145-0429	FCIPP		
Alley	NORTH 8 MILE ALLEY BETWEEN CUSHING AND KELLY	SW0419	NS6-23	17.3	NS6-22A		306	21	RCP	0.6	0.5	0.5	1.6	5	8	12	3				15	12	Line in fair condition, CH4 (271-305)			2011-2012	0145-0392	Needs FCIPP			
Field	Saxony Ave	SW0423	NS31-7	9.3	NS31-6	10.7	364	18	VCP	0.6	0.5	0.5	1.6	1	1.6	6					6	14	Line OK			2007	0145-0320				
Field	Saxony Ave	SW0424	NS6-11-8		NS31-7	9.3	320	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1	1				2	14	Lt MD in lat(257), Line OK			2007	0145-0320				
Street	Saxony Ave	SW0425	NS31-6	10.7	NS31-5	13	481	21	VCP	0.6	0.5	1	2.1	2	4.2	6		16	4	26	0		Small OS in lat(75', 97'), Pro lat(105', 118', 137', 157', 180', 195', 215', 235', 255', 265', 300', 315', 335', 345', 355', 365', 375', 385', 395', 414', 435', 455'), Large OS in lat(107', 147', 167', 187', 207', 227', 247', 267', 287', 307', 327', 347', 367', 387', 407', 427', 447'), Long Crack(170'), Sectional Liner failure, wrinkle at 6' Octobe(350' to 365')			2007	0145-0320				
Street	Saxony Ave	SW0426	NS31-5	13	NS31-4	14.3	460	24	VCP	0.8	0.5	1	2.3	1	2.3	4	2	2	11	7	26	0	Lt Roots in lat(16', 132'), Small OS in lat(36', 70', 92', 202', 228', 428'), Pro lat(105', 150', 165', 185', 195', 225', 255', 285', 315', 345', 365', 385', 405', 425', 445'), Large OS in lat(309'), Lt MD in lat(351'), Large OS in lat(375')			2007	0145-0320				
Street	Saxony Ave	SW0427	NS31-4	14.3	NS31-3	15.3	376	24	VCP	0.8	0.5	1	2.3	1	2.3	5	1		4	7	1	18	1	Line OK			2007	0145-0320			
Street	David Ave	SW0428	NS33-3	14.5	NS33-2	15.7	429	24	VCP	0.8	0.5	1	2.3	1	2.3	8	1	2	4	4	19	2	Line OK			2007	0145-0320				
Street	David Ave	SW0429	NS33-7	7.3	NS33-6	10.3	372	12	VCP	0.5	0.5	1	2	1	2	8			1		9	10	Pro lat(24'), Long.Cracks(140', 286'), Mult. Cracks(94')			2007	0145-0320				
Street	Rausch Ave	SW0430	NS37-7	6	NS37-6	9.3	368	12	CIPP	0.5	0.5	1	2	1	2	19					19	0	Line OK			2007	0145-0320				
Street	Rausch Ave	SW0431	NS37-6	9.3	*NS37-5A		180	18	CIPP	0.6	0.5	1	2.1	1	2.1	13	1				14	0	Lt MD init(158'), Line OK			2007	0145-0320				
Street	Rausch Ave	SW0432	NS37-5	10.7	NS37-4	11.4	477	21	CIPP	0.6	0.5	1	2.1	1	2.1	26	1		2	1	30	0	Hvy Roots in lat(348'), Pro lat(426', 428'), Small OS in lat(468')			2007	0145-0320				
Street	Rausch Ave	SW0433	NS37-4	11.4	NS37-3	13.1	465	24	VCP	0.8	0.5	1	2.3	2	4.6	30		3	1	34	1		Large OS in lat(120'), Long. Crack(175')			2007	0145-0320				
Street	David Ave	SW0434	NS33-4	13.2	NS33-3	14.5	470	21	VCP	0.6	0.5	1	2.1	1	2.1	11		9	7	27	0	Pro lat(25', 28', 67', 111', 189', 273', 318', 355', 440'), Small OS lat(70', 148', 231', 271', 392'), Large OS in lat(316', 438')			2007	0145-0320					
Street	David Ave	SW0435	NS33-5	11.2	NS33-4	13.2	478	21	VCP	0.6	0.5	1	2.1	1	2.1	15		5	4	24	1	Pro lat(63', 151', 227', 229', 267'), Large OS in lat(106'), Small OS in lat(344', 462', 464')			2007	0145-0320					
Street	David Ave	SW0436	NS33-6	10.3	NS33-5	11.2	395	18	VCP	0.6	0.5	1	2.1	2	4.2	10		1	11	13		Large OS in lat(324'), Long. Crack(32', 393'), debris left in line			2007	0145-0320					
Street	Donald Ave	SW0437	NS40-7	7.2	NS40-6	9	368	12	VCP	0.5	0.5	1	2	1	2	13		6		19	4	Pro lat(8', 41', 53', 79', 81', 119', 285'), Long. Crack(62'), Mult. Crack(335')			2007	0145-0320					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0438	NS6-13-6-1	11	NS6-13-6-1	15.8	258	15	VCP	0.6	0.5	0.5	1.6	1	1.6	10	2		3		15	1		Line in good condition		2011-2012	0145-0392				
Street	Donald Ave	SW0439	NS40-6	9	NS40-5	11	399	18	VCP	0.6	0.5	1	2.1	1	2.1	12	4		5	3	24	3		Lt Roots in lat(417, 122), Large OS in lat(82, 211), Protruding(189, 238), Broken pipe(163), Med Roots in lat(292, 319), Mult. Crack(163)		2007	0145-0320				
Street	Donald Ave	SW0440	NS40-5	11	NS40-4	11.5	479	21	VCP	0.6	0.5	1	2.1	1	2.1	19	3		5	2	29	0		Med Roots in lat(84, 67, 108), Pro lat(284, 348, 389, 467), Small OS in lat(267, 428), Lt to Med Roots at joints(76 to 150), Mult. Crack(343)		2007	0145-0320				
Street	Donald Ave	SW0441	NS40-4	11.5	NS40-3	13.5	464	21	VCP	0.6	0.5	1	2.1	2	4.2	15	2	1	3	3	24	3		Pro lat(27, 45, 341), Med Roots in lat(83), Small OS in lat(102, 203), Med MD in lat(152), Large OS in lat(223), Lt Roots in lat(424), Mult. Crack(19), Small chip in mainline(261)		2007	0145-0320				
Street	Rausch Ave	SW0442	NS37-3	13.1	NS37-2	14.6	428	24	CIPP	0.8	0.5	1	2.3	1	2.3	7	1		1		9	0		Lt MD at joints T/O		2007	0145-0320				
Street	Cushing Ave	SW0443	NS43-7	7	NS43-6	9.4	356	12	VCP	0.5	0.5	1	2	1	2	11	1		8		20	6		Pro lat(2, 38, 62, 229, 231, 259, 277, 311), Lt Roots in lat(350), Lt Roots at selected joints T/O		2007	0145-0320				
Street	Cushing Ave	SW0444	NS43-6	9.4	*NS43-5A	9.5	208	18	VCP	0.6	0.5	1	2.1	1	2.1	10			2		12	2					2007	0145-0320	2012	0145-0357	SCIPP (195'-201')
Street	Cushing Ave	SW0445	NS43-5	10.8	NS43-4	11.7	468	21	VCP	0.6	0.5	1	2.1	2.5	5.25	15		3	8		26	1		Pro lat(142, 177, 403), Large OS in lat(220, 222, 457), Pro lat(27, 79, 307, 339, 417), Mult. Crack(49), Long Crack(166)		2007	0145-0320				
Street	Cushing Ave	SW0446	NS43-4	11.7	NS43-3	13.7	466	21	VCP	0.6	0.5	1	2.1	1	2.1	16	3		4	1	24	0		Med Roots in lat(81, 111, 151), Pro lat(109, 187, 188, 402), Small OS in lat(351), Long Crack(23, 381)		2007	0145-0320				
Street	Cushing Ave	SW0447	NS43-3	13.7	*NS43-2A	13.3	172	24	VCP	0.8	0.5	1	2.3	1	2.3	5	1		1		7	0		Line OK		2007	0145-0320				
Field	Easement just north of Toepper Rd	SW0449	NS6-11-8		NS6-11-7	10.8	275	15	VCP	0.6	0.5	0.5	1.6	1	1.6	0		1		1	5			Pro lat(88), Line OK		2007	0145-0320				
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0450	NS6-18-2	7.9	NS6-18-1	12.5	455	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	14	2	1			17	12					2011-2012	0145-0392	2013	0145-0429	FCIPP
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0451	NS6-16-4	7.5	NS6-16-3	11.6	402	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	14	1		3		18	3					2011-2012	0145-0392	2013	0145-0429	FCIPP
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0452	NS6-15-4	13.8	NS6-15-3	13.1	401	12	VCP	0.5	0.5	0.5	1.5	3	4.5	15	1				16	4		Line in fair condition, CL (304-318, 330-354, 369-392)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0453	NS6-14-5	7.9	NS6-14-4	10.8	401	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	15	1		3		19	8					2011-2012	0145-0392	2013	0145-0429	FCIPP
Easement	Toepper Easement between Lambrecht and Tuscany	SW0454	NS6-11-7	11.8	NS6-11-6	10	272	15	VCP	0.6	0.5	0.5	1.6	4	6.4	1	1	1		3	6		Line in fair condition, Hwy Roots in lat(201), Mult. Fracture(185, 188-208)		2015-2016	0145-0463					
Street	Lambrecht North of Toepper	SW0455	NS6-11-7	7.2	NS28-7		322	12	VCP	0.5	0.5	1	2	3	6	3	1	1	1	1	6	11		Line in fair condition, Lt Roots in lat(97), Med OS in lat(175), Long. Fracture(0-20), Mult. Fracture(180-186), No defect callouts in lat and also missed several fracture and cracked areas(corrected)		2015-2016	0145-0463				
Street	Lambrecht North of Toepper	SW0456	NS28-7		NS28-7A	9.9	148	15	PVC	0.6	0.5	1	2.1	1	2.1	3				3	0		Line in good condition, No defects observed		2015-2016	0145-0463					
Street	Lambrecht North of Toepper	SW0457	NS28-6	12	NS28-5	13	466	21	VCP	0.6	0.5	1	2.1	4	8.4	7			15		22		Line in fair condition, Large OS in lat(56, 131, 173, 254), Broken pipe in lat(27), Possibly defected lat(180), Long. Fracture(0-20), Mult. Fracture(180-186), No defect callouts in lat and also missed several fracture and cracked areas(corrected)		2015-2016	0145-0463					
Street	Lambrecht North of Toepper	SW0458	NS28-5	13	NS28-4	14	468	24	VCP	0.8	0.5	1	2.3	1	2.3	11	1		2	6	3	23	0	Line in fair condition, Hwy Roots in lat(27), Med OS in lat(29, 99, 144, 186, 189), Large OS in lat(142), Broken or separated pipe in lat(66, 348, 386)		2015-2016	0145-0463				
Street	Lambrecht North of Toepper	SW0459	NS28-4	14	NS28-3	14.9	380	24	VCP	0.8	0.5	1	2.3	4	9.2	13		2	1	1	17	0	Line in fair condition, Pro lat(173, 207), Med OS in lat(213, 251), Collapsed/Broken lat(321), Broken pipe(199), Mult. Fracture(214)		2015-2016	0145-0463					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehabi/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Lambrecht North of Toepper	SW0460	NS28-3	14.9	NS28-2	16.4	371	24	VCP	0.8	0.5	1	2.3	1	2.3	8	4	1	7	20	0	Line in fair condition, Li Roots in lat(81), Hey Roots in lat(307, 309), Li Roots in lat(31'; 45°; 103°; 190°; 273°; 344°), Large OS in lat(71'), Li Roots at select joints T/O		2015-2016	0145-0463				
Street	Lambrecht North of Toepper	SW0461	NS28-2	16.4	NS28-1	18.8	124	24	VCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Line in good condition, No defects observed		2015-2016	0145-0463			
Street	Lambrecht North of Toepper	SW0462	NS28-1	18.8	NS28	BT	40	24	VCP	0.8	1	1	2.8	1	2.8	0					0	0	Line in good condition, No defects observed		2015-2016	0145-0463			
Easement	Nine Mile Easement between Lambrecht and Tuscany	SW0463	NS28-2B	12.3	NS25-2	16.3	64	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1					1	1	Line in good condition, No defects observed		2015-2016	0145-0463			
Street	Tuscanny North of Toepper	SW0464	NS6-11-6	4	NS25-8	9.3	329	12	VCP	0.5	0.5	1	2	2	4	6	1	3		10	8	Line in fair condition, Long, Crack(10°-20°, 40°-74°; 152°, 159°-169°), Li Roots at select joints T/O		2015-2016	0145-0463				
Street	Tuscanny North of Toepper	SW0465	NS25-8	9.9	NS25-7	10	166	15	VCP	0.6	0.5	1	2.1	3	6.3	3	1	3		7	2	Line in fair condition, Large OS point in lat(57°), Pro lat(95°, 97°, 138°), Long, Crack(15°, 17°-51°), Mult, Crack(27°, Mult, Fracture(37°-40°), Li Roots at select joints T/O)		2015-2016	0145-0463				
Street	Tuscanny North of Toepper	SW0466	NS25-6	11.9	NS25-5	13.4	464	21	VCP	0.6	0.5	1	2.1	4	8.4	16	2	1	2	21	1	Line in fair condition, Large OS point in lat(59°), Pro lat(94°), Pro lat(170°), Li Roots in lat(370°), Long, Fracture(76°-21°, 333°-410°), Mult, Fracture(410°-485°), Missed lat callout at 371°, Line in fair condition, Large OS point in lat(59°), Med OS in lat(70°, 72°, 108°, 397°, 392°), No defect callouts on laterals, Missed three laterals(233°, 352°, 390°)-corrected		2015-2016	0145-0463				
Street	Tuscanny North of Toepper	SW0467	NS25-5	13.4	NS25-4	14	468	24	VCP	0.8	0.5	1	2.3	1	2.3	13		4	8	25	0	Line in fair condition, Med OS in lat(20°, 223°-350°), Large OS in lat(70°, 72°, 108°, 397°, 392°), No defect callouts on laterals, Missed three laterals(233°, 352°, 390°)-corrected		2015-2016	0145-0463				
Street	Lambrecht Ave	SW0468	NS28-4	13.5	E14	14.7	26	18	CIPP	0.6	0.5	1	2.1	1	2.1	0				0	0				2007	0145-0320	2012	0145-0356	FCIPP
Street	Tuscany Ave	SW0469	NS25-4	13.7	E13	14.8	25	18	RCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Line OK			2007	0145-0320			
Street	Tuscanny North of Toepper	SW0470	NS25-4	14	NS25-3	14.5	384	24	VCP	0.8	0.5	1	2.3	5	11.5	11		2	5	18	1	Line in fair condition, Large separation in lat(284°), Large OS in lat(80°, 124°, 168°), Missed two laterals in video and report(52°, 246°)-corrected		2015-2016	0145-0463				
Street	Tuscanny North of Toepper	SW0471	NS25-3	14.5	NS25-2	16.4	370	24	VCP	0.8	0.5	1	2.3	5	11.5	14		5	19	0	0	Line in fair condition, Large separation in lat(101°), Large OS in lat(138°, 222°, 224°, 301°), No lateral defect callouts and lat(139°, 70°) looks defective but is hard to see-corrected		2015-2016	0145-0463				
Street	Tuscanny North of Toepper	SW0472	NS25-2	16.4	NS25-1	20.6	123	24	VCP	0.8	0.5	1	2.3	1	2.3	0				0	0	Line in good condition, No defects observed			2015-2016	0145-0463			
Easement	Nine Mile Easement between Tuscany and Gascony	SW0473	NS25-2A	12.6	NS25-2	12	35	12	VCP	0.5	0.5	0.5	1.5	5	7.5	0				0	1	Line in fair condition, Broken(3), Long, Fracture(5)			2015-2016	0145-0463			
Street	Tuscanny North of Toepper	SW0474	NS25-1	20.6	NS25	Blind Tap	42	24	VCP	0.8	1	1	2.8	1	2.8	0				0	0	Line in good condition, No defects observed			2015-2016	0145-0463			
Street	Gascon North of Toepper	SW0475	NS23-1	14.6	NS23-1A-A	17.1	96	27	RCP	0.8	0.5	1	2.3	1	2.3	0				0	0	Line in fair condition, Lt MD at joint(16°)			2015-2016	0145-0463			
Easement	Nine Mile Easement between Gascony and Brittany	SW0476	NS23-1A	11.5	NS23-1	11.2	35	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1				1	0	Line in good condition, No defects observed			2015-2016	0145-0463	2012	0145-0357	SCIPP (31'-34')
Street	Brittany North of Toepper	SW0477	NS20-1	15.6	NS20		157	27	RCP	0.8	0.5	1	2.3	1	2.3	0				0	0	Line in fair condition, Alignment down 20%(9°, 131°)			2015-2016	0145-0463			
Easement	Toepper Easement between Tuscany and Gascony	SW0478	NS6-11-6	12.3	NS6-11-5	12.4	277	18	VCP	0.6	0.5	0.5	1.6	1	1.6	3		1	1	4	9	Line in fair condition, Pro lat(118°), Long, Crack(95°-154°)			2015-2016	0145-0463			
Alley	East Kelly Rd Alley North of 8 Mile Rd	SW0479	B5-24	8.8	B5-23	7	48	10	VCP	0.5	0.5	0.5	1.5	3	4.5	1				1	0	Line in fair condition, Med MD in lat(5°), Long, Crack(2°)			2015-2016	0145-0463			
Easement	Easement between Juliania and 8 Mile	SW0480	B5-24	8.8	B5-11-7		128	12	Truss	0.5	0.5	0.5	1.5	1	1.5	2				2	0	Line in good condition, No defects observed			2015-2016	0145-0463			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV (CCTV)	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW0481	NS6-19-1	12.3	NS6-19	12.3	334	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	16	1		1		18	3			2011-2012	0145-0392	2013	0145-0429	FCIPP		
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW0482	NS6-18-1	12.5	NS6-18	12.2	463	18	VCP	0.6	0.5	0.5	1.6	1	1.6	9			10		19	2	Line in good condition			2011-2012	0145-0392	2012	0145-0356	FCIPP	
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0483	NS6-17-2	11.8	NS6-17-1	12.9	403	18	HDPE	0.6	0.5	0.5	1.6	1	1.6	12	1		1		14	6			2011-2012	0145-0392	2013	0145-0433	Burst		
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0484	NS6-16-3	11.6	NS6-16-2	13.8	406	18	HDPE	0.6	0.5	0.5	1.6	1	1.6	12	1		4		17	4			2011-2012	0145-0392	2013	0145-0433	Burst		
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0485	NS6-15-3	13.1	NS6-15-2	12	401	18	VCP	0.6	0.5	0.5	1.6	4	6.4	13	2		2		17	1	Line in poor condition, CL (79-130, 288-401), B (309, 345)			2011-2012	0145-0392				
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0486	NS6-14-3	9.9	NS6-14-2	15.5	436	18	HDPE	0.6	0.5	0.5	1.6	1	1.6	13			1	3		17	1			2011-2012	0145-0392	2013	0145-0433	Burst	
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0487	NS6-14-4	10.8	NS6-14-3	18	404	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	14	2		1	2		19	1			2011-2012	0145-0392	2013	0145-0429	FCIPP	
Easement	EASEMENT BETWEEN EGO AND SPRENGER	SW0488	NS6-17-1	12.9	NS6-17	12.9	358	21	VCP	0.6	0.5	0.5	1.6	1	1.6	16	1		1	1		19	2	Line in fair condition, CL (132-144, 168-201, 222-288)			2011-2012	0145-0392			
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0489	NS6-16-2	13.8	NS6-16-1	13.8	301	21	VCP	0.6	0.5	0.5	1.6	3	4.8	7	1		4		12		Line in fair condition, CL (123-176, 251-301)			2011-2012	0145-0392				
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0490	NS6-15-2	12	NS6-15-1	14.9	397	21	VCP	0.6	0.5	0.5	1.6	3	4.8	7	1		11	1	20	1	Line in fair condition, CL (20-88, 105-243)			2011-2012	0145-0392				
Alley	NORTH 8 MILE ALLEY BETWEEN CUSHING AND KELLY	SW0491	NS6-22	12.6	NS6-21A	12	172	24	RCP	0.8	0.5	0.5	1.8	1	1.8	7					7	7	Line in good condition			2011-2012	0145-0392				
Easement	Toepfer Easement between Gascony and Brittany	SW0493	NS6-11-5	12.4	NS6-11-4		289	21	VCP	0.6	0.5	0.5	1.6	1	1.6	1	1				2	11	Line in fair condition, Tap root in lat(171')			2015-2016	0145-0463				
Easement	Easement between Juliana and 8 Mile	SW0494	B5-11-4	11.7	B5-11-3	10.7	118	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	5					5	0	Line in good condition, No defects observed			2015-2016	0145-0463				
Easement	Easement between Sprenger and Ego	SW0495	B5-15-2	13.5	B5-15-1		252	10	VCP	0.5	0.5	0.5	1.5	4	6	5			1		6	3	Line in fair condition, Prolat(17'), Multi Fracture(5'), Long Fracture(8'), Hole(230')			2015-2016	0145-0463				
Easement	Easement between Ego and Juliana	SW0496	B5-13-2	11.9	B5-13-1		392	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	5	4				9	2	Line in fair condition, Lit Roots in lat(50', 73', 308'), Med Roots in lat(372')			2015-2016	0145-0463				
Easement	Easement between Juliana and 8 Mile	SW0497	B5-11-5	11	B5-11-4	11.7	325	10	VCP	0.5	0.5	0.5	1.5	2	3	5					5	7	Line in fair condition, Spiral Crack(39'), Hinge Crack(106'), Long Fracture(112, 169, 197, 231, 255')			2015-2016	0145-0463				
Easement	Easement East of Kelly and North of Sprenger	SW0498	B5-17	12.7	B5-16	11.5	314	12	VCP	0.5	0.5	0.5	1.5	3	4.5	0					0	3	Line in fair condition, Long Fracture(119'), Multi Fracture(120-129'), Circ. Crack(207, 260')			2015-2016	0145-0463				
Easement	Easement between Juliana and 8 Mile	SW0499	B5-11-7	11	B5-11-6	11.4	175	12	VCP	0.5	0.5	0.5	1.5	4	6	2					2	6	Line in fair condition, Lit MD at select joints T/O, Circ. Crack(63'), Multi. Crack(195')			2015-2016	0145-0463				
Easement	Easement between Juliana and 8 Mile	SW0500	B5-11-6	11.4	B5-11-5	11	320	10	VCP	0.5	0.5	0.5	1.5	2	3	3	1	2			6	9	Line in fair condition, Hvy Roots in lat(62', 115', 191'), Lit Roots in lat(206', 299'), Long. Fracture(17, 30, 39', 44', 46', 59, 56, 101', 189, 192, 256', 299', 262, 269')			2015-2016	0145-0463				
Alley	East Kelly Rd Alley North of 8 Mile Rd	SW0501	B5-23	7	B5-22	9.8	202	10	VCP	0.5	0.5	0.5	1.5	3	4.5	4	6			5	1	Line in fair condition, Med MD in lat(162', Dip(21'), Long. Fracture(122, 132'), Large Root Ball(143'))			2015-2016	0145-0463					
Easement	Easement between Ego and Juliana	SW0502	B5-22	11.7	B5-13-3	13	355	10	VCP	0.5	0.5	0.5	1.5	4	6	2	2		3		7	5	Line in fair condition, Prolat(26', 115', 191'), Lit Roots in lat(206', 299'), Long. Fracture(17, 30, 39', 44', 46', 59, 56, 101', 189, 192, 256', 299', 262, 269')			2015-2016	0145-0463				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Alley	East Kelly Rd Alley North of 8 Mile Rd	SW0503	B5-22	9.8	B5-21	8.2	190	10	VCP	0.5	0.5	0.5	1.5	1	1.5	3	1					4	0	Line in fair condition, Med MD in lat(89'), Li MD at select joints T/O, Dip(180')		2015-2016	0145-0463	2012	0145-0358	OCR (178'-184')	
Alley	East Kelly Rd Alley North of 8 Mile Rd	SW0504	B5-18	10.3	B5-17	12.7	162	10	VCP	0.5	0.5	0.5	1.5	1	1.5	0	1	2				3	0	Line in fair condition, Hwy MD in lat(57'), Pro lat(89', 126'), Circ. Crack(120'), Long. Crack(126')		2015-2016	0145-0463				
Street	Collinson East of Kelly	SW0505	B5-6-9	9.1	B5-8-6	8.9	213	10	VCP	0.5	0.5	1	2	4	8	0						0	0	Line in fair condition, Long. Crack(62', 99', 122'), Broken(93'), Mult. Fracture(109')		2015-2016	0145-0463				
Street	Kelly Rd South of Toepfer	SW0506	B5-6-10	10.5	B5-6-9A		242	10	VCP	0.5	1	1	2.5	4	10	0						0	0	Line in fair condition, Li Roots and Li MD at select points T/O, Broken pmt(153')		2015-2016	0145-0463				
Easement	Easement between Ego and Julianne	SW0507	B5-13-3	13	B5-13-2		372	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	5	2	1				8	0	Line in fair condition, Med MD in lat(22'), Hwy Roots in lat(304'), Li Roots in lat(363')		2015-2016	0145-0463				
Easement	Easement between Sprenger and Ego	SW0508	B5-20	11.7	B5-15-2	13.5	235	10	VCP	0.5	0.5	0.5	1.5	4	6	4			1			5	5	Line in fair condition, Pro lat(126'), Long. Crack(182'), Long. Fracture(222-230'), Circ. Fracture(230')		2015-2016	0145-0463				
Alley	East Kelly Rd Alley North of 8 Mile Rd	SW0509	B5-21	8.2	B5-20	11.7	200	10	VCP	0.5	0.5	0.5	1.5	1	1.5	2	1	1				4	1	Line in fair condition, Hwy MD in lat(180'), Hwy Roots in lat(190')		2015-2016	0145-0463				
Alley	East Kelly Rd Alley North of 8 Mile Rd	SW0510	B5-20	11.7	B5-19	10.3	182	10	VCP	0.5	0.5	0.5	1.5	4	6	2	2	1	1			6	2	Line in fair condition, Pro lat(31'), Med MD in lat(64'), Hwy Roots in lat(141'), Mult. Crack(29'), Long. Fracture(62')		2015-2016	0145-0463				
Alley	East Kelly Rd Alley North of 8 Mile Rd	SW0511	B5-19	10.3	B5-18		30	10	VCP	0.5	0.5	0.5	1.5	1	1.5	0						0	0	Line in good condition, No defects observed		2015-2016	0145-0463				
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW0512	NS6-16-1	13.8	NS6-16	12.8	299	24	VCP	0.8	0.5	0.5	1.8	1	1.8	15	2		1	18				Line in good condition			2011-2012	0145-0392			
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW0513	NS6-15-1	14.9	NS6-15	15.6	451	24	VCP	0.8	0.5	0.5	1.8	1	1.8	7	1	1	12	21				Line in good condition			2011-2012	0145-0392			
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0514	NS6-14-1	13.2	NS6-14	15.5	230	24	VCP	0.8	0.5	0.5	1.8	1	1.8	3			1	4	8			Line in fair condition, CL (12-45, 93-208)			2011-2012	0145-0392			
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW0515	NS6-14-2	15.5	NS6-14-1	13.2	444	24	VCP	0.8	0.5	0.5	1.8	1	1.8	13	2		8	23	2			Line in good condition			2011-2012	0145-0392			
Street	Gascon North of Toepfer	SW0516	NS6-11-5	12.3	NS23-6	12	335	18	VCP	0.6	0.5	1	2.1	5	10.5	13	1	1	1	1	16	6		Line in poor condition, Cracks and Fractures T/O		2015-2016	0145-0463				
Street	Gascon North of Toepfer	SW0517	NS23-6	12	NS23-5	10.8	374	18	VCP	0.6	0.5	1	2.1	4	8.4	15	1		1	17				Line in fair/poor condition, Cracks and Fractures T/O		2015-2016	0145-0463				
Street	Gascon North of Toepfer	SW0518	NS23-5	10.8	NS23-4	13.1	463	21	VCP	0.6	0.5	1	2.1	1	2.1	16	1	1	2	3	22	1		Line in fair condition, Large OS in lats(299', 375'), Long. Crack(133'-152')		2015-2016	0145-0463				
Street	Gascon North of Toepfer	SW0519	NS23-4	13.1	NS23-3	14.9	465	24	VCP	0.8	0.5	1	2.3	1	2.3	18	2	1	2		23			Line in fair condition, Defective lat(37')			2015-2016	0145-0463	2012	0145-0357	SCIPP (68'-74')
Street	Gascon Ave	SW0520	NS23-3	14.6	E12	15.8	27	18	RCP	0.6	0.5	1	2.1	1	2.1	0						0	0	Line OK		2007	0145-0320				
Street	Gascon North of Toepfer	SW0521	NS23-3	14.9	NS23-2	14.3	394	24	VCP	0.8	0.5	1	2.3	1	2.3	16	1	1	2	4	24	0		Line in fair condition, Large OS in lats(300', 373')			2015-2016	0145-0463			
Street	Gascon North of Toepfer	SW0522	NS23-2	14.3	NS23-1	14.6	363	27	RCP	0.8	0.5	1	2.3	1	2.3	14	3		1	18	0			Line in fair condition, Hwy Roots in lats(170', 174')			2015-2016	0145-0463			
Easement	Toepfer Easement between Brittany and Normandy	SW0523	NS6-11-4		NS6-11-3	13.1	288	21	VCP	0.6	0.5	0.5	1.6	1	1.6	2			1	3	8			Line in fair condition, Med OS in lat(176')			2015-2016	0145-0463	2012	0145-0356	FCIPP

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV (CCTV)	Job Number (CCTV)	Year of Last Rehabi/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Brittany North of Toepfer	SW0524	NS6-11-4	8.1	NS20-6		346	15	CIPP	0.6	0.5	1	2.1	1	2.1	12	2				14	0	Line in fair condition, Lt Roots in lats(200', 211')		2015-2016	0145-0463			
Street	Brittany North of Toepfer	SW0525	NS20-6	9.9	NS20-5	10.3	376	15	CIPP	0.6	0.5	1	2.1	1	2.1	17	2			1	20	0	Line in fair condition, Large OS in lat(9')		2015-2016	0145-0463	2012	0145-0358, 0145-0356	OCR (152'-157', 169'-175'), FCIPP
Street	Brittany North of Toepfer	SW0526	NS20-5	10.3	NS20-4	12.3	459	21	VCP	0.6	0.5	1	2.1	3	6.3	23	2		3	28	0	Line in fair condition, Mult. Fractures(28', 38'-68', 108'-162', 179', 262'-416')		2015-2016	0145-0463				
Street	Brittany North of Toepfer	SW0527	NS20-4	12.3	NS20-3	13.9	468	24	VCP	0.8	0.5	1	2.3	1	2.3	24			5	1	30	0	Line in fair condition, Large OS in lats(115', 320', 436'), Broken pipe in lat(318'), Long. Crack(54'-96', 119', 166', 269'-298')		2015-2016	0145-0463			
Street	Brittany Ave	SW0528	NS20-3	13.4	E11	13	23	18	RCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Line OK		2007	0145-0320				
Street	Normandy Ave	SW0529	NS18-3	13.5	E10	14.7	23	18	RCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Line OK		2007	0145-0320				
Street	Brittany North of Toepfer	SW0530	NS20-3	13.9	NS20-2	14.7	394	24	VCP	0.8	0.5	1	2.3	1	2.3	21				21	1	No lateral defect callouts, Missed lateral at 138'		2015-2016	0145-0463				
Street	Brittany North of Toepfer	SW0531	NS20-2	14.7	NS20-1	15.6	368	27	RCP	0.8	0.5	1	2.3	1	2.3	18				18	2	Line in good condition, No defects observed		2015-2016	0145-0463				
Easement	Nine Mile Easement between Brittany and Normandy	SW0532	NS20-1A	12.1	NS18-1	14.8	143	12	VCP	0.5	0.5	0.5	1.5	4	6	4	4	4	4	4	4	Line in fair condition, Large OS and broken pipe(138')		2015-2016	0145-0463				
Street	Normandy North of Toepfer	SW0533	NS18-1	14.8	NS18-1A-1	18.9	115	27	RCP	0.8	0.5	1	2.3	1	2.3	0				0	0	Line in fair condition, Lt MD at joints T/O, Wrong DS MH # on report and video		2015-2016	0145-0463				
Street	Normandy North of Toepfer	SW0534	NS6-11-3	8.7	NS18-6	8.9	352	15	CIPP	0.6	0.5	1	2.1	1	2.1	9	2	1	1	13	0	Line in fair condition, Broken pipe in lat(204'), Wrinkled liner(316')		2015-2016	0145-0463	2012	0145-0358, 0145-0356	OCR (60'-93'), FCIPP	
		SW0535	B5-15-1		B5-15					0.5	0.5	0.5	1.5	1	1.5					0					2015-2016	0145-0463			
Street	Collinson East of Kelly	SW0536	B5-8-6	8.9	B5-8-5	8.7	385	10	CIPP	0.5	0.5	1	2	4	8	6				6	0	Line in fair condition, Liner Failure(166'-168')- Reinforced capped lats, liner looks bad in this area		2015-2016	0145-0463				
Street	Kelly Rd South of Toepfer	SW0537	B5-6-8	10.3	B5-6-7		244	10	VCP	0.5	1	1	2.5	4	10	2	1		3	2		Line in fair condition, Hwy MD in lat(301), Long. Crack(7', 10', 13', 97'), Circ. Fracture(94'), Spall Fracture(37', 149', 158'), Long. Fracture(46'), Mult. Crack(161')		2015-2016	0145-0463				
Street	Kelly Rd South of Toepfer	SW0538	B5-6-9	9.1	B5-6-8	10.3	352	10	VCP	0.5	1	1	2.5	3	7.5	1			1	4		Line in fair condition, Mult. Fracture(22'), Circ. Fracture(89'), Long. Fracture(164'), Lt Roots and Lt MD at joints T/O		2015-2016	0145-0463				
Easement	Easement East of Kelly and North of Sprenger	SW0539	B5-16	11.5	B5-15		270	12	VCP	0.5	0.5	0.5	1.5	3	4.5	0			0	0	Line in fair condition, Spill Fracture(103'), Lt MD at select joints T/O		2015-2016	0145-0463					
Easement	Easement between Juliania and 8 Mile	SW0540	B5-11-2	11.8	B5-11-1		402	10	CIPP	0.5	0.5	0.5	1.5	5	7.5	10			10	0	Line in fair condition, Hole in liner(8')		2015-2016	0145-0463					
Easement	Easement between Juliania and 8 Mile	SW0541	B5-11-1		B5-11		458	10	VCP	0.5	0.5	0.5	1.5	5	7.5	3		3	6	7	Line in fair condition, Long. Cracks(289'-458'), Broken(318', 437', 441')		2015-2016	0145-0463					
Easement	Easement between Ego and Juliania	SW0542	B5-13-1		B5-13		395	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	5	2		7	1	Delictive Video. Video starts at end of run and forces cutter in to make cut at 4' and then video stops, submit video of CCTV investigation of line		2015-2016	0145-0463					
Street	Collinson East of Kelly	SW0543	B5-8-5	8.7	B5-8-4	9.8	392	10	VCP	0.5	0.5	1	2	4	8	5	3		8	2	Line in fair condition, Lt Roots in lat(237'), Hwy Roots in lat(320', 355'), Long. Crack(7'), Long. Fracture(82'), Roots at joints(292', 344'), Mult. Fracture(247')		2015-2016	0145-0463					
Street	Veronica East of Kelly	SW0544	B5-6-7	10.3	B5-6-6	10.1	372	10	VCP	0.5	0.5	1	2	4	8	3		1	4	4	Line in fair condition, Pro lat(254'), Mult. Fracture(52', 80', 125'), Mult. Crack(95', 117'), Lt MD at joints T/O		2015-2016	0145-0463					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Easement	Easement between Collinson and Ego	SW0545	B5-13	12.3	B5-12	10	336	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	2	1				3	0	Line in fair condition, Lt Roots in lat(56')		2015-2016	0145-0463				
Easement	Easement between Collinson and Ego	SW0546	B5-14	9.4	B5-16	17	35	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Line in fair condition, Pipe lining omitted from report		2015-2016	0145-0463	2012	0145-0433	Burst	
Easement	Easement between Collinson and Ego	SW0547	B5-15		B5-14		302	12	VCP	0.5	0.5	0.5	1.5	3	4.5	2		1			3	0	Line in fair condition, Pro lat(220'), Long. Fracture(19'), Long. Fracture(229'), Hole(286')		2015-2016	0145-0463				
Easement	Toepfer Easement between Normandy and Schroeder	SW0548	NS6-11-3	13.1	NS6-11-2	13.3	295	21	VCP	0.6	0.5	0.5	1.6	3	4.8	3			1	4	8	Line in fair condition, Med OS in lat(49'), Long. Crack(17'-69', 97'-159', 192'), Mult. Fracture(160')		2015-2016	0145-0463					
Street	Normandy North of Toepfer	SW0549	NS18-6	8.9	NS18-5	10.3	374	18	CIPP	0.6	0.5	1	2.1	1	2.1	17	1				18	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0358, 0145-0356	OCR (153'-160', 285' 371'), FCIPP	
Street	Normandy North of Toepfer	SW0550	NS18-5	10.3	NS18-4	12.6	462	21	VCP	0.6	0.5	1	2.1	5	10.5	8	8	1	2	4	1	24	3 Line in fair condition, Large OS in lat(338', 451'), Broken pipe in lat(369'), Fractures(32'-386'), Mult. Fractures(63'-337', 349'-482'), Broken(64')		2015-2016	0145-0463				
Street	Normandy North of Toepfer	SW0551	NS18-4	15.2	NS18-3	14.1	464	21	VCP	0.6	0.5	1	2.1	1	2.1	11	1	7	2	2	23	2	Line in fair condition, Large OS in lat(31', 150'), LU MD in lat(33), Broken(17', 191', 233'), Med OS in lat(144', 152', 310', 391', 393), Long. Crack(105', 144')		2015-2016	0145-0463				
Street	Normandy North of Toepfer	SW0552	NS18-3	14.1	NS18-2	17.9	397	24	VCP	0.8	0.5	1	2.3	1	2.3	10	2	1	5	2	20	0	Line in fair condition, Large OS in lat(16'), Broken lat(375', 380', 385', 395', 324', 329'), Mult. Cracks(287', 297', 349')		2015-2016	0145-0463				
Street	Normandy North of Toepfer	SW0553	NS18-2	17.9	NS18-1	14.8	368	27	RCP	0.8	0.5	1	2.3	1	2.3	17	3				20	0	Line in fair condition, LU MD and LU Roots at select joints T/O		2015-2016	0145-0463				
Easement	Nine Mile Easement between Normandy and Schroeder	SW0554	NS18-1A	12.2	NS18-1		47	12	VCP	0.5	0.5	0.5	1.5	4	6	0					0	2	Line in fair condition, Broken(44'). MH numbers are the same for US and DS on report, can't tell which MH damage is near, Fix report or Re-TV		2015-2016	0145-0463				
Easement	Easement between Schroeder and Wilmot	SW0555	NS15-1	12.6	NS15-1A	13.2	168	15	VCP	0.6	0.5	0.5	1.6	4	6.4	3			1		4	7	Line in fair condition, Pro lat(78'), Mult. Fracture(59'), Long. Fracture(72', 75-97')		2015-2016	0145-0463				
Alley	Alley South of 9 Mile and East of Kelly	SW0556	NS3-2A	12.2	NS3-2		145	12	VCP	0.5	0.5	0.5	1.5	3	4.5	3					3	6	Line in fair condition, Mult. Crack(127')		2015-2016	0145-0463				
Alley	Alley between Raven and Marine	SW0557	NS2-1-1		NS3-1-1		315	12	VCP	0.5	0.5	0.5	1.5	5	7.5	7	1				8	14	Line in fair condition, Long. And Mult. Fractures(9'-90', 180', 298'), Broken pipe in mainline(172')		2015-2016	0145-0463	2012	0145-0358	OCR (285'-295')	
Alley	Alley between Beaconsfield and Raven	SW0558	NS2-2A		NS2-2					0.5	0.5	0.5	1.5	1	1.5					0					2015-2016	0145-0463				
Alley	Alley South of 9 Mile and East of Kelly	SW0560	NS3-1-1	12.5	NS3-1		150	27	CP	0.8	0.5	0.5	1.8	1	1.8	4					4	0	Line in fair condition, Cracked pipe in lat(28', 75')		2015-2016	0145-0463				
Alley	Alley between Raven and Marine	SW0561	NS2-1-1		NS2-1		174	27	CP	0.8	0.5	0.5	1.8	1	1.8	2					2	0	Line in fair condition, LU MD at joints(15', 62')		2015-2016	0145-0463				
	Easement between 9 Mile and Holland	SW0562	NS6-1-1		NS6-1					0.5	0.5	0.5	1.5	1	1.5						0					2015-2016	0145-0463			
Easement	Easement between 9 Mile and Holland	SW0563	NS6-1-2	10.6	NS6-1-2A		333	27	VCP	0.8	0.5	0.5	1.8	1	1.8	10		2			12	0	Line in fair condition, Pro late(48', 49'), LU MD at joints(110', 300')		2015-2016	0145-0463				
Easement	Easement between Wilmot and Rosalind	SW0564	NS6-1-5A	12.1	NS6-1-5	14	242	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	13	1			14	0	Line in fair condition, LU MD in lat(159')		2015-2016	0145-0463	2012	0145-0358	OCR (206'-214')		
Easement	Easement between Rosalind and Almond	SW0565	NS6-1-4		NS6-1-3	10.5	333	21	VCP	0.6	0.5	0.5	1.6	3	4.8	13	1	2		16	17	Line in fair condition, Pro late(95', 208'), Med MD in lat(268'), Long. Crack(152'), Long. Fracture(174'), Mult. Fracture(178'-195', 212'-256')		2015-2016	0145-0463					
Easement	Easement between Wilmot and Rosalind	SW0566	NS6-1-4A	11	NS6-1-4		63	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	1				1	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	Easement between Rosalind and Almond	SW0567	NS6-1-3	10.5	NS6-1-3A		262	24	VCP	0.8	0.5	0.5	1.8	1	1.8	9	3				12	15	Line in fair condition, Lt MD in lat(45°, 165°, 202°), Long. Crack(60°, 71°, 84°-101°, 283°)		2015-2016	0145-0463			
Street	Wilmot between Toepper and 9 Mile	SW0568	NS14-1	16	NS14		164	27	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Line in fair condition, Lt MD at joints T/O		2015-2016	0145-0463			
Easement	Easement between Holbrook and 9 Mile	SW0569	NN1-3-2	9.6	NN1-3-1	10.4	428	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	8					8	0	Line in fair condition, Grease Deposits(104°-127°)		2013	0145-0428	2012	0145-0357	SCIPP (114°-120°)
Easement	Easement between Holbrook and 9 Mile	SW0571	NN4-2-1	8.9	NN4-2		344	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	3					3	0	Line in good condition, No defects observed		2013	0145-0428			
Easement	Easement between Holbrook and 9 Mile	SW0572	NN1-3-1	10.4	NN1-3		426	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	6	1				7	0	Line in fair condition, Lt MD in lat(43°), Hole in lat(85°)		2013	0145-0428			
Easement	Easement North of 9 Mile	SW0574	NN12-2A	13.4	NN12-2	15.8	122	12	VCP	0.5	0.5	0.5	1.5	3	4.5	5			1		6	0	Line in fair condition, Pro lat(36°), Lt Grease stain T/O, Mult. Fracture(119°)		2013	0145-0428			
Alley	Alley between Courtland and Kelly	SW0579	NN7-2A	9.9	NN7-2	11.8	124	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0			2		2	5	Line in fair condition, Pro lat(8°, 60°), Lt MD at joints(114°, 116°, 120°)		2013	0145-0428			
Easement	Easement between Rosalind and Tepper	SW0580	NN12-1-2	10.9	NN12-1-1		293	27	CIPP	0.8	0.5	0.5	1.8	1	1.8	11	2				13	3	Line in fair condition, Lt Roots in lat(26°, 61°), Lt Roots at joints(27°, 39°), Long. Crack(255°)		2013	0145-0428	2016	0145-0480, 0145-0481	OCR (38°-44°), FCIPP
Alley	Alley between Tepper and Roxana	SW0581	NN9-1-1	10.3	NN9-1	10.8	175	27	RCP	0.8	0.5	0.5	1.8	1	1.8	0	1				1	3	Line in fair condition, Lt Roots in lat(24°), Lt MD at joints(8°, 13°, 35°-69°)		2013	0145-0428			
Easement	Easement between Tepper and Roxana	SW0582	NN9-1-2	11	NN9-1-1	10.2	290	27	RCP	0.8	0.5	0.5	1.8	1	1.8	10	3				13	6	Line in fair condition, Lt Roots in lat(6°, 17°, 23°), Lt Roots at select joints T/O		2013	0145-0428			
Street	Schroeder between Toepper and 9 Mile	SW0583	NS15-1	14.8	NS15		156	27	VCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Line in fair condition , Lt MD at joints(95°, 122°)		2015-2016	0145-0463			
Easement	Easement between Ash and Mott	SW0584	NS2-14	9.3	NS2-13	11.8	382	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	7	1				8	0	Line in fair condition, Lt MD in line(35°, 72°), Hwy MD in lat(118°)		2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Lister and Ash	SW0585	NS2-9-2	10.8	NS2-9-1		320	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	8	3				11	0	Line in fair condition, Lt Roots in late(7°, 159°, 249°)		2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Ash and Mott	SW0586	NS2-15		NS2-14A	11.6	95	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	1					1	0	Line in fair condition, Same MH # used on report for US and DS MH		2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Lister and Ash	SW0587	NS2-9-1		NS2-9		396	15	VCP	0.6	0.5	0.5	1.6	5	8	9	3	3			15	9	Line in fair/poor condition, Long. Fractures and Cracks T/O. Pipe called out but line is VCP		2015-2016	0145-0463			
Street	Collinson East of Kelly	SW0588	B5-8-1	12.5	B5-8		398	10	VCP	0.5	0.5	1	2	2	4	8		2			10	0	Line in fair condition , Long. Crack(33°), Lt MD at joints(77°-139°, 179°, 189°)		2015-2016	0145-0463			
Street	Collinson East of Kelly	SW0589	B5-8-2	11.4	B5-8-1	12.5	430	10	VCP	0.5	0.5	1	2	3	6	8		1			9	3	Line in fair condition, Pro lat(57°), Lt MD at joints(87°-139°, 370°-419°), Mult. Crack(248°), Long. Fracture(268°)		2015-2016	0145-0463	2012	0145-0358	OCR (243°-254°)
Street	Collinson East of Kelly	SW0590	B5-8-3	10.8	B5-8-2	11.4	346	10	VCP	0.5	0.5	1	2	1	2	8					8	3	Line in fair condition, Lt MD at joints(31°, 139°, 166°, 200°)		2015-2016	0145-0463			
Street	Collinson East of Kelly	SW0591	B5-8-4	9.8	B5-8-3	10.8	320	10	Truss	0.5	0.5	1	2	1	2	6					6	0	Line in good condition, No defects observed		2015-2016	0145-0463			
Street	Toepper Rd East of Kelly	SW0592	B5-6-1	13.7	B5-6	14.2	302	10	VCP	0.5	0.5	1	2	1	2	6	2				8	2	Line in fair condition, Roots in lat(141°, 217°), Lt Roots at joints T/O		2015-2016	0145-0463			
Street	Veronica East of Kelly	SW0593	B5-6-2	12.5	B5-6-1	13.7	324	10	VCP	0.5	0.5	1	2	1	2	5	1	1	1		8	2	Line in fair condition, Pro lat(72°), Hwy MD at lat(141°), Hwy Roots in lat(217°), Lt to Med Roots at joints T/O		2015-2016	0145-0463			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Veronica East of Kelly	SW0594	B5-6-3	12.4	B5-6-2	12.5	278	10	VCP	0.5	0.5	1	2	3	6	5	1	1			7	6	Line in fair condition, Hvy Roots in lat(15'), Hvy MD in lat(223'), Lt Roots and Lt MD at select joints T/O, Long Crack(15'), Mult. Fracture(15')		2015-2016	0145-0463			
Street	Veronica East of Kelly	SW0595	B5-6-4	10.2	B5-6-3	12.4	320	10	VCP	0.5	0.5	1	2	3	6	6			1		7	6	Line in fair condition, Pro lat(146'), Long. Crack(53'), Mult. Fracture(85')		2015-2016	0145-0463			
Street	Veronica East of Kelly	SW0596	B5-6-5	10.1	B5-6-4	10.2	382	10	VCP	0.5	0.5	1	2	4	8	6			2		8	7	Line in fair condition, Pro lats(244', 280'), Long. Crack(101'), Spiral Fracture(353'), Missing pipe(399'), Lt MD and Lt Roots at select joints T/O		2015-2016	0145-0463			
Street	Veronica East of Kelly	SW0597	B5-6-6	10.1	B5-6-5	10.1	330	10	CIPP	0.5	0.5	1	2	1	2	7					7	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP
Street	Kelly Rd South of Toepler	SW0598	B5-6-7	10.3	B5-3-8	10.4	332	10	CIPP	0.5	1	1	2.5	1	2.5	3					3	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP
Street	Toepler Rd East of Kelly	SW0599	B5-3-6	10	B5-3-5	11.8	324	10	VCP	0.5	1	1	2.5	1	2.5	9	1	1	2		13	4	Line in fair condition, Pro lats(22', 121'), Lt MD in lat(30'), Hvy Roots in lat(192')		2015-2016	0145-0463			
Street	Toepler Rd East of Kelly	SW0600	B5-3-5	11.8	B5-3-4	11.6	319	10	VCP	0.5	1	1	2.5	1	2.5	8					8	3	Line in fair condition, Lt MD at joints(10', 159')		2015-2016	0145-0463			
Street	Toepler Rd East of Kelly	SW0601	B5-3-4	11.6	B5-3-3	11.1	51	10	VCP	0.5	1	1	2.5	1	2.5	0					0	0	Med OS joint(16', 25'), Same US and DS MH on report		2015-2016	0145-0463			
Street	Toepler Rd East of Kelly	SW0602	B5-3-3	11.6	B5-3-2	13.6	338	10	VCP	0.5	1	1	2.5	1	2.5	10					10	4	Line in fair condition, Lt MD at joints(38', 41', 68'-111')		2015-2016	0145-0463	2012	0145-0357	SCIPP (44'-54')
Street	Toepler Rd East of Kelly	SW0603	B5-3-2	13.6	B5-3-1	13.5	373	10	VCP	0.5	1	1	2.5	1	2.5	11	3	1			15	4	Line in fair condition, Pro lat(81'), Hvy Roots in lats(144', 310'), Lt Roots in lat(309'), Med OS joint(182', 186')		2015-2016	0145-0463	2012	0145-0358	OCR (15'-25')
Street	Toepler Rd East of Kelly	SW0604	B5-3-1	13.5	B5-3		380	10	VCP	0.5	1	1	2.5	1	2.5	9	2		2	13	0	Line in fair condition, Hvy Roots in lats(3', 10'), Large OS in lats(72', 84')		2015-2016	0145-0463				
Easement	Easement between Collinson and Ego	SW0605	B5-11		B5-10		229	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1	1			2	2	Line in fair condition, Hvy Roots in lat(74'), Lt Roots at joints T/O		2015-2016	0145-0463				
Easement	Easement between Collinson and Ego	SW0607	B5-12	10	B5-11		372	12	VCP	0.5	0.5	0.5	1.5	3	4.5	1				1	0	Line in fair condition, Long. Fracture(268', 338')		2015-2016	0145-0463	2012	0145-0357	SCIPP (62'-104', 292'-302')	
Street	Beaconsfield	SW0608	B5-9	14	B5-8	12.8	127	18	VCP	0.6	0.5	1	2.1	1	2.1	0				0	2	Line in good condition, No defects observed		2015-2016	0145-0463				
Street	Beaconsfield	SW0609	B5-8	12.8	B5-7		309	18	VCP	0.6	0.5	1	2.1	1	2.1	2				2	2	Setup 68 shows root cutting, Can't find setup 67 video on hard drive		2015-2016	0145-0463				
Street	Beaconsfield	SW0610	B5-7	15.1	B5-6	14.2	311	18	VCP	0.6	0.5	1	2.1	1	2.1	4	1	1		6	1	Line in fair condition, Lt Roots in lat(210'), Hvy MD in lat(271')		2015-2016	0145-0463				
Street	Beaconsfield	SW0611	B5-6	14.2	B5-5	16.1	344	18	VCP	0.6	0.5	1	2.1	1	2.1	5				5	0	Line in fair condition, Lt Roots at joints T/O		2015-2016	0145-0463				
Street	Beaconsfield	SW0612	B5-5	16.1	B5-4	15.9	255	18	VCP	0.6	0.5	1	2.1	1	2.1	3			1	4	0	Line in fair condition, Lt Roots at joints T/O		2015-2016	0145-0463				
Street	Beaconsfield	SW0613	B5-4	15.9	B5-3A	16	6	15	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Line in good condition, No defects observed		2015-2016	0145-0463				
Street	Beaconsfield	SW0614	B5-3	15.5	B5-2	17.2	455	18	VCP	0.6	0.5	1	2.1	4	8.4	7		1		8	0	Line in fair condition, Broken pipe(41')		2015-2016	0145-0463				
Street	Raven Ave North of 8 Mile Rd	SW0615	B5-6-4B	9.8	B5-6-4A	10.5	332	10	VCP	0.5	0.5	1	2	5	10	3	1	2		6	2	Line in fair condition, Pro lats(157', 226'), Lt MD in lat(159'), Long. Crack(42'), Med OS joint(69'), Broken pipe(226')		2015-2016	0145-0463				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Raven Ave North of 8 Mile Rd	SW0616	B5-3-1	10.3	B5-3-3	11.1	452	10	VCP	0.5	0.5	1	2	4	8	7			1		8	4	Line in fair condition, Pro lat(54'), Broken pipe(36'), Long. Fracture(50'), Long. Crack(119'), Spiral Fracture(295', 446')		2015-2016	0145-0463			
Street	Eastland Ct South of Mott	SW0617	B5-1-6A	10	B5-1-6	360	10	VCP	0.5	0.5	1	2	1	2	2	10	1	1	1		12	0	Line in fair condition, Li Roots in lat(7'), Pro lat(221'), Li MD at select joints T/O		2015-2016	0145-0463			
Street	Kelly Rd North of Toepper	SW0618	B5-1-8	8.8	B5-1-7	9.8	260	10	VCP	0.5	0.5	1	2	1	2	3					3	0	Line in fair condition, Li MD at joints T/O		2015-2016	0145-0463			
Street	Fairlane Ct South of Mott	SW0619	B5-1-5A	10.7	B5-1-5	12.2	360	10	VCP	0.5	0.5	1	2	4	8	11			1		12	0	Line in fair condition, Li MD at select joints T/O, Hinge Fracture(7', 72')		2015-2016	0145-0463			
Street	Mott East of Kelly	SW0620	B5-1-2	13.8	B5-1-1	14.9	305	10	CIPP	0.5	0.5	1	2	1	2	12					12	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP
Street	Raven South of Mott	SW0621	B5-1-4-1	12	B5-1-4	12.6	215	10	VCP	0.5	0.5	1	2	4	8	1	1				2	0	Line in fair condition, Hwy Roots in lat(77'), Roots at selected joints T/O, Broken(187'), Hinge Crack(182', 187')		2015-2016	0145-0463			
Street	Mott East of Kelly	SW0622	B5-1-4A	13.2	B5-1-4	12.6	124	10	VCP	0.5	0.5	1	2	1	2	2					2	0	Line in good condition, No defects observed		2015-2016	0145-0463			
Street	Mott East of Kelly	SW0623	B5-1-4	12.6	B5-1-3	76	10	VCP	0.5	0.5	1	2	1	2	2						2	0	Line in good condition, No defects observed		2015-2016	0145-0463			
Street	Mott East of Kelly	SW0624	B5-1	16.5	B5	20	76	18	CIPP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line in good condition, No defects observed		2015-2016	0145-0463			
Easement	Easement between Ash and Mott	SW0625	NS2-13	11.8	NS2-12	16	12	VCP	0.5	0.5	0.5	1.5	5	7.5	0						0	0	Line in fair condition, Broken(12')		2015-2016	0145-0463			
Easement	Easement between Ash and Mott	SW0626	NS2-12		NS2-11	400	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	8					8	1	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Ash and Mott	SW0627	NS2-11A	11.1	NS2-11	68	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	2					2	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Lister and Ash	SW0628	NS2-9A		NS2-9	75	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	4					4	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0358	OCR (7'-20'), FCIPP	
Easement	Easement between Morningside and Lister	SW0629	NS2-8A		NS2-8	72	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	4					4	0	Sewer type is CIPP but report labels pipe type as VCP		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Schroeder and Wilmett North of Toepper	SW0630	NS6-11-2	13.3	NS6-11-1	12.2	275	24	RCP	0.8	0.5	0.5	1.8	1	1.8	13					13	1	Line in good condition, No defects observed		2015-2016	0145-0463			
Easement	Schroeder between Toepper and 9 Mile	SW0631	NS6-11-2-1	13.3	NS6-11-2	96	12	VCP	0.5	0.5	0.5	1.5	5	7.5	4					4	0	Line in fair condition, Long. Fracture(99'), Mul. Fracture(89')		2015-2016	0145-0463				
Easement	Easement between Wilmett and Kelly North of Toepper	SW0632	NS6-11-1	12.2	NS6-11	166	24	VCP	0.8	0.5	0.5	1.8	1	1.8	3			1	4	3	Line in fair condition, Med OS in lat(33'), Long. Crack(22', 91')		2015-2016	0145-0463					
Street	Toepper Rd East of Kelly	SW0633	B5-3-7	10.2	B5-3-6	10	326	10	VCP	0.5	1	1	2.5	1	2.5	1			4		5	5	Line in fair condition, Pro lat(75', 200', 214', 283'), Li MD at select joints T/O		2015-2016	0145-0463			
Street	Kelly Rd South of Toepper	SW0634	B5-3-8	10.4	B5-3-7	10.3	338	10	VCP	0.5	1	1	2.5	3	7.5	2	1			3	4	Fracture(228', 260', 288', 302', 316', 331'), Spiral Fracture(249', 283'), Multi Crack(232')		2015-2016	0145-0463	2012	0145-0358	SCIPP (211'-221', 264'-294'), FCIPP	
Easement	Easement between Morningside and Lister	SW0635	NS2-8-2		NS2-8-1	307	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	13					13	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Lister and Ash	SW0636	NS2-9-3		NS2-9-2	400	18	VCP	0.6	0.5	0.5	1.6	5	8	13			2		15	8	Line in fair condition, Long. Fracture(17', 41', 45'-57', 74'-109', 188'-239'), Broken pipe(70', 398')		2015-2016	0145-0463				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	Easement between Morningside and Lister	SW0637	NS2-8-1		NS2-8		315	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	13						13	1	Line in fair condition, LI Roots in lat(144°, 182°, 184°)		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Mott and Ash	SW0638	NS3-9	12.7	NS2-17	12.1	204	21	VCP	0.6	0.5	0.5	1.6	5	8	4						4	1	Line in poor condition, Mult. And Long. Cracks T/O, Both MH's labeled as DS and DS MH's, how is that possible		2015-2016	0145-0463				
Easement	Easement East of Kelly and North of Mott	SW0639	NS3-8A	11.8	NS3-8	12.7	145	24	CP	0.8	0.5	0.5	1.8	1	1.8	1			1		2	6	Line in good condition, No defects observed			2015-2016	0145-0463				
Street	Mott East of Kelly	SW0640	B5-1-7	9.8	B5-1-6		358	10	VCP	0.5	0.5	1	2	4	8	10	1					11	0	Line in fair condition, LI Roots in lat(323°), Mult. Crack(55°-69°, 90°), Spiral Fracture(79°), Long. Crack(163°, 240°)		2015-2016	0145-0463				
Easement	Easement between Rosetta and Morningside	SW0641	NS2-7		NS2-7A		79	12	PVC	0.5	0.5	0.5	1.5	1	1.5	4						4	0	Line in good condition, No defects observed			2015-2016	0145-0463	2013	0145-0433	OCR (0'-78')
Easement	Easement between Prosper and Mott East of Wilmot	SW0642	NS6-10-1	11.6	NS6-10		306	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	10			1	3	14	1	Line in fair condition , Prop lat(87°), Med OS in lat(107°, 188°, 226°)			2015-2016	0145-0463	2012	0145-0356	FCIPP	
Street	Schroeder between Toepfer and 9 Mile	SW0643	NS6-11-2-1		NS6-11-2-2		432	12	VCP	0.5	0.5	1	2	3	6	17						17	0	Line in fair condition, Mult. Fractures(87°)			2015-2016	0145-0463	2012	0145-0357	SCIPP (44°-50°, 146°-149°, 288°-298°, 407°-417°)
Easement	Easement between Rosetta and Morningside	SW0644	NS2-7-2		NS2-7-1		255	12	VCP	0.5	0.5	0.5	1.5	5	7.5	7	2	1			1	11	5	Line in poor condition, Hwy Roots in lat(92°, 186°), Mc dhd in lat(146°), Broken pipe in lat(241°), Long. Fractures(10°-38°, 46°, 52°, 70°, 133°, 135°-143°, 171°, 189°, 212°, 228°, 231°-255°), Roots at joints(149°-174°)			2015-2016	0145-0463			
Easement	Easement between Morningside and Lister	SW0645	NS2-8-3		NS2-8-2		400	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	14						14	0	US and DS MH's in conflict, NS2-8-3 listed as DS MH in header but is shown as US and DS on Report			2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Rosetta and Morningside	SW0646	NS2-7-1		NS2-7		272	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	9						9	0	Line in good condition, No defects observed			2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Lister and Ash	SW0647	NS3-8		NS2-9-3		410	18	VCP	0.6	0.5	0.5	1.6	1	1.6	15						15	7	Line in fair condition, Long. Crack(124°-134°, 180°-190°), US and DS MH's in conflict, NS2-8-3 listed as US MH in header but is not shown as US or DS MH on Report			2015-2016	0145-0463	2012	0145-0357	SCIPP (247°-52°, 61°-81°, 397-404°)
Easement	Easement between Ash and Prosper East of Wilmot	SW0648	NS6-9-2	11	NS6-9-1		295	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	11	2					13	0	Line in fair condition, LI Roots in lat(189°, 231°)			2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Ash and Prosper East of Wilmot	SW0649	NS6-9-1	13	NS6-9		205	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	6				1	7	0	Line in fair condition, Large OS in lat(12°)			2015-2016	0145-0463	2012	0145-0356	FCIPP	
Street	Schroeder between Toepfer and 9 Mile	SW0650	NS15-7	7.1	NS15-6	7.9	121	12	VCP	0.5	0.5	1	2	4	8	5	1					6	0	Line in fair condition, LI MD in lat(95°), Long. Crack(28°), Mult. Fracture(55°-97°)			2015-2016	0145-0463			
Easement	Easement West of Beaconsfield and North of Ash	SW0652	NS2-5-4A		NS2-5-4		201	12	HDPE	0.5	0.5	0.5	1.5	1	1.5	3						3	0	Line in good condition, No defects observed			2015-2016	0145-0463	2012	0145-0358	Burst
Easement	Easement between Rosetta and Morningside	SW0653	NS2-7-3		NS2-7-2A		55	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	2						2		Video and report defective, US and DS MH labeled incorrectly and MH NS2-7-3 used as both MH's in report			2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Morningside and Lister	SW0654	NS3-7		NS2-8-3		410	18	VCP	0.6	0.5	0.5	1.6	1	1.6						0	13	US and DS MH's labeled incorrectly, MH NS3-7 listed as DS MH in header but listed as both MH's on report			2015-2016	0145-0463				
Easement	Easement between Lister and Ash East of Wilmot	SW0655	NS6-8-2	9.7	NS6-8-1		350	12	VCP	0.5	0.5	0.5	1.5	4	6	15						15	4	Line in fair condition, Long. Crack(66°-74°, 108°-113°, 230°, 236°), Mult. Fracture(113°-147°-157°), Pipe type listed as CIPP			2015-2016	0145-0463	2012	0145-0357	SCIPP (11°-26°, 334°-342°)
Easement	Easement between Lister and Ash East of Wilmot	SW0656	NS6-8-1		NS6-8		352	15	VCP	0.6	0.5	0.5	1.6	4	6.4	10	2			2	14	7	Line in fair condition, LI Roots in lat(46°-86°), Mult. Fracture(113°-147°-245°), Circ. Fracture(300°) Pipe type listed as CIPP			2015-2016	0145-0463				
Easement	Easement between Petersburg and Marine	SW0657	NS3-1-7	5.6	NS3-1-6	10.6	385	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	7					7	9	Line in good condition, No defects observed			2015-2016	0145-0463				
Easement	Easement West of Beaconsfield and North of Ash	SW0658	NS2-5-4		NS2-5-3		180	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	1					1	0	Line in good condition, No defects observed			2015-2016	0145-0463	2012	0145-0356	FCIPP	

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	Easement West of Beaconsfield and North of Ash	SW0659	NS2-5-3		NS2-5-2		96	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	0	1				1	0	Line in fair condition, Lt Roots in lat w/ broken pipe(2')		2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement West of Beaconsfield and North of Ash	SW0660	NS2-5-2		NS2-5-1		174	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	1					1	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Rosetta and MorningSide	SW0661	NS3-6		NS2-7-3	12.2	408	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	17					17	0	US and DS MH's labeled incorrectly		2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Marine and Raven	SW0662	NS2-1-6	11.3	NS2-1-5		310	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	5	1				6	1	Line in fair condition, Lt Roots in lat(242'), Missed lat at (188')		2015-2016	0145-0463			
Easement	Easement between Lister and Rosetta East of Wilmot	SW0663	NS6-7-4	8.9	NS6-7-3		341	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	13					13	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement between Lister and Rosetta East of Wilmot	SW0664	NS6-7-1	9.1	NS6-7		203	15	VCP	0.6	0.5	0.5	1.6	1	1.6	4		1	2	7	5	Line in fair condition, Med OS in lat(31°, 75°), Long Crack(72°, 105°-119°, 139°-148°), Pipe type listed as CIPP		2015-2016	0145-0463				
Easement	Easement between Lister and Rosetta East of Wilmot	SW0665	NS6-7-3		NS6-7-2		40	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	2					2	0	Line in good condition, No defects observed		2015-2016	0145-0463			
Street	Schroeder between Toepper and 9 Mile	SW0666	NS15-5A	9.6	NS15-5	10.7	321	15	VCP	0.6	0.5	1	2.1	5	10.5	8	2	1			11	4	Line in fair condition, LI MD in lat(44°), LI Roots in lat(145°, 188°), Long Cracks(9°, 145°), Multi Fracture(141°, 166°-212°, 275°-321°)		2015-2016	0145-0463	2012	0145-0358	OCR (244°-247°)
Street	Oak West of Beaconsfield	SW0667	NS2-5-1A		NS2-5		142	15	VCP	0.6	0.5	1	2.1	5	10.5	0					0	0	Line in fair condition, LI Roots at select joints T/O, Defective spot repair(126°)		2015-2016	0145-0463			
Easement	Easement between Petersburg and Marine	SW0669	NS3-1-6	10.6	NS3-1-5	10.9	310	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	3	5				8	8	Line in fair condition, LI to Hwy Roots in lat(9°, 27°, 88°, 162°, 186°)		2015-2016	0145-0463			
Easement	Easement between Lister and Curtain East of Wilmot	SW0670	NS6-6-3		NS6-6-2		357	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	18					18	0	Line in fair condition, Several laterals have been undercut		2015-2016	0145-0463			
Easement	Easement between Lister and Curtain East of Wilmot	SW0671	NS6-6-1	8.6	NS6-6		400	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	13	1		2	16	0	Line in fair condition, LI Roots in lat(271°), Med OS in lat(307°, 309°)		2015-2016	0145-0463				
Easement	Easement between Lister and Curtain East of Wilmot	SW0672	NS6-6-2		NS6-6-1	8.6	320	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	8	2			10	0	Line in fair condition, LI Roots in lat(9°, 140°)		2015-2016	0145-0463				
Street	WILMONT BETWEEN OAK AND TOEPPER	SW0673	NS14-6	13	NS14-5	13.4	293	24	RCP	0.8	0.5	1	2.3	1	2.3	7	5				12		Line in fair condition, CL (77-90, 119-211)		2011-2012	0145-0392	2012	0145-0356	FCIPP
Street	Schroeder between Toepper and 9 Mile	SW0674	NS15-5	10.7	NS15-4		18	15	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line in good condition, No defects observed		2015-2016	0145-0463			
Easement	Easement between Marine and Raven	SW0676	NS2-1-5	11.2	NS2-1-4		342	24	VCP	0.8	0.5	0.5	1.8	1	1.8	8					8	8	Line in fair condition, Long Cracks(39°, 75°, 109°, 162°, 263°, 269°)		2015-2016	0145-0463			
Street	Schroeder between Toepper and 9 Mile	SW0677	NS15-4	10.8	NS15-3	13.7	419	24	VCP	0.8	0.5	1	2.3	3	6.9	17		1	2	1	21		Line in fair condition, Med OS in lat(70°), Pro lat(228°), Cracked pipe in lat(100°), Separated pipe in lat(347°), Long Cracks(110°, 110°, 120°, 125°-152°), Missed lat at 230°,		2015-2016	0145-0463			
Easement	Easement between Petersburg and Marine	SW0679	NS3-1-5	10.9	NS3-1-4	Buried	342	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	6	1		1	8	0	Line in fair condition, Hwy Roots in lat(77°), Large OS in lat(233°)		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Petersburg and Marine	SW0680	NS3-1-4	Buried	NS3-1-3	11.3	323	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	7	1			8	0	Line in fair condition, Hwy Roots in lat(296°)		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Marine and Raven	SW0681	NS2-1-4		NS2-1-3		323	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	8				8	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Oak and Curtain East of Wilmot	SW0682	NS6-5-4		NS6-5-3		344	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	14	2		2	18	0	Line in fair condition, LI Roots in lat(1°, 173°), Med OS in lat(31°), Large OS in lat(195°)		2015-2016	0145-0463	2012	0145-0356	FCIPP	

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Easement	Easement between Oak and Curtain East of Wilmot	SW0683	NS6-5-2	8.6	NS6-5-1		293	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	9			1	10	0	Line in fair condition, Med OS in lat(34')		2015-2016	0145-0463	2012	0145-0356	FCIPP		
Easement	Easement between Oak and Curtain East of Wilmot	SW0684	NS6-5-3		NS6-5-2	7.9	320	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	11				11	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP		
Easement	Easement between Oak and Curtain East of Wilmot	SW0685	NS6-5-1		NS6-5		297	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	9			1	1	11	0	Line in fair condition, Large OS in lat(18'), Broken pipe in lat(93')		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Street	WILMONT BETWEEN OAK AND TOEPPER	SW0686	NS14-4	12	EH-35		25	18	RCP	0.6	0.5	1	2.1	1	2.1					0		Line in good condition		2011-2012	0145-0392					
Street	Wilmot between Toepper and 9 Mile	SW0687	NS14-4		NS14-3	15.3	287	24	VCP	0.8	0.5	1	2.3	1	2.3	8			2	10	0	Line in fair condition, Lt MD in lat(163', 191'), Lt MD at joints(46', 80')		2015-2016	0145-0463					
Street	Schroeder Ave	SW0688	*NS15-3	13.7	*E9	14.3	25	18	RCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Med MD @ joint(18')		2007	0145-0320					
Easement	Easement between Marine and Raven	SW0689	NS2-1-3	12.2	NS2-1-2	12.4	48	24	VCP	0.8	0.5	0.5	1.8	3	5.4	0					0	0	Line in fair condition, Long Crack(9-17')		2015-2016	0145-0463				
Easement	Easement between Marine and Raven	SW0690	NS2-1-2	12.4	NS2-1-1		485	21	CP	0.6	0.5	0.5	1.6	1	1.6	15	3				18	0	Line in fair condition, Lt Roots at sealed joints		2015-2016	0145-0463				
Easement	Easement between Oak and Empire East of Wilmot	SW0691	NS6-3-4	9.8	NS6-3-3		347	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	14			1		15	0	Line in fair condition, Pro lat(100')		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Oak and Empire East of Wilmot	SW0692	NS6-3-3		NS6-3-2	7.6	320	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	12					12	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP	
Easement	Easement between Oak and Empire East of Wilmot	SW0693	NS6-3-1		NS6-3		382	18	HDPE	0.6	0.5	0.5	1.6	1	1.6	15			3	18	1	Line in fair condition, Med OS in lat(104', 143', 144'), Flow Arrow and MH labels incorrect		2015-2016	0145-0463					
Easement	Easement between Oak and Empire East of Wilmot	SW0694	NS6-3-2	7.6	NS6-3-1		400	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	15	1		2	18	0	Line in fair condition, Med OS in lat(23'), Lt Roots in lat(143'), Large OS in lat(34'), Flow Arrow and MH labels incorrect		2015-2016	0145-0463	2012	0145-0356	FCIPP		
Street	Wilmot between Toepper and 9 Mile	SW0695	NS14-3	15.3	NS14-2	15.8	85	24	VCP	0.8	0.5	1	2.3	1	2.3	1			1	1	3	0	Line in fair condition, Large OS in lat(38'), Broken pipe in lat(77')		2015-2016	0145-0463				
Street	Schroeder between Toepper and 9 Mile	SW0696	NS15-3	13.7	NS15-2	14.1	395	24	VCP	0.8	0.5	1	2.3	2	4.6	13	1	3	1	4	1	23	0	Line in fair condition, Lt Roots in lat(58'), Large OS in lat(81'), Hwy MD in lat(99', 139'), Med OS in lat(163', 258', 375'), Broken pipe in lat(186'), Long Crack(29-36', 201'), Multi Fracture(36-80', 206', 277')		2015-2016	0145-0463			
Easement	Easement between Petersburg and Marine	SW0697	NS3-1-3	11.3	NS3-1-2		34	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	0					0	0	Labeled sewer as being in repair, sewer is VCP pipe		2015-2016	0145-0463				
Easement	Easement between Petersburg and Marine	SW0698	NS3-1-2	12.1	NS3-1-1		318	27	RCP	0.8	0.5	0.5	1.8	1	1.8	10	1	1			12	0	Line in fair condition, Lt Roots in lat(172'), Lt MD in lat(207')		2015-2016	0145-0463				
Easement	Easement between Holland and Empire	SW0699	NS6-2-1	10.5	NS6-2		343	21	VCP	0.6	0.5	0.5	1.6	1	1.6	12			1	13	11	Line in fair condition, Med OS in lat(313'), Long Crack(57, 122', 214'), Did not label three capped connections as capped(273', 274', 314')		2015-2016	0145-0463					
Easement	Easement between Wilmot and Rosalind	SW0700	NS6-2-5	8.2	NS6-2-4	16	349	12	HDPE	0.5	0.5	0.5	1.5	1	1.5	14					14	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0358	Burst	
Easement	Easement between Wilmot and Rosalind	SW0701	NS6-2-4		NS6-2-3	8.9	320	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	9	1		2	12	1	Line in fair condition, Large OS in lat(26', 28'), Lt Roots in lat(107')		2015-2016	0145-0463	2012	0145-0356	FCIPP		
Easement	Easement between Rosalind and Almond	SW0702	NS6-2-3	8.9	NS6-2-2		336	18	VCP	0.6	0.5	0.5	1.6	4	6.4	15					15	8	Line in fair condition, Long Cracks T/O, Multi Cracks T/O		2015-2016	0145-0463				
Easement	Easement between Rosalind and Almond	SW0703	NS6-2-2		NS6-2-1		338	21	VCP	0.6	0.5	0.5	1.6	2	3.2	11	1				12	0	Line in fair condition, Lt Roots in lat(150'), Long Crack(17', 29', 189'), Missed lat at 205'		2015-2016	0145-0463				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehabi/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Wilmot between Toepfer and 9 Mile	SW0704	NS14-2	15.8	NS14-2A		200	27	RCP	0.8	0.5	1	2.3	1	2.3	6					6	0	Line in good condition, No defects observed		2015-2016	0145-0463			
Street	Schroeder between Toepfer and 9 Mile	SW0705	NS15-2	14.1	NS15-1	18.4	370	27	VCP	0.8	0.5	1	2.3	1	2.3	21					21	0	Line in fair condition, Lt MD at select joints T/O		2015-2016	0145-0463			
Street	Shakespeare Ave	SW0722	NN51-1	15.3	Blind Tap	NA	25	24	VCP	0.8	1	1	2.8	1	2.8	0					0	0	Line OK		2007	0145-0320			
Street	Shakespeare Ave	SW0723	NN51-7	8.3	NN51-6	9.6	230	15	VCP	0.6	0.5	1	2.1	1	2.1	4			4		8	7	Pro lats(2', 9', 73', 81'), Long Crack(29'), Lt Roots @ joints(29')		2007	0145-0320			
Street	Shakespeare Ave	SW0724	NN51-6	9.6	NN51-5	11.7	457	18	VCP	0.6	0.5	1	2.1	1	2.1	11			4		15	13	Pro lats(77', 98', 99', 193'), Line OK		2007	0145-0320			
Street	Shakespeare Ave	SW0725	NN51-5A		NN51-4	12.2	337	21	VCP	0.6	0.5	1	2.1	1	2.1	18				1	19	1	Small OS in lat(320'), Mult. Cracks(252')		2007	0145-0320			
Street	Jacob Ave	SW0726	NS59-24-3	9.4	NS59-24-2	10.4	511	15	VCP	0.6	0.5	1	2.1	1	2.1	14	2		2	1	19	1	Lt Roots in lats(181', 227'), Pro lats(313', 337'), Small OS in lat(488'), Lt of Med Roots at joints(0' to 100'), Mult. Crack(101')		2007	0145-0320			
Street	Brock	SW0727	NS59-9-1-6A	5.5	BLIND TAP		95	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult and Long. Cracks T/O, Long. Fracture (16'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Crusade Ave	SW0728	NS59-12-1-1	9.4	NS59-12-1	13.4	246	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line OK		2007	0145-0320			
Street	Lincoln Ave	SW0729	NS59-9-0-4	8.3	NS59-9-0-3	9.6	259	15	VCP	0.6	0.5	1	2.1	1	2.1	4			5		9	1	Pro lats(77', 83', 136', 171', 240'), Lt to Med Roots at joints(0' to 85')		2007	0145-0320			
Street	Shakespeare Ave	SW0730	NN51-4	12.2	NN51-3	14.5	345	21	VCP	0.6	0.5	1	2.1	1	2.1	10	1		2	3	16	0	Large OS in lat(40', 86'), Pro lat w/ Lt Roots(129'), Hwy Roots in lat(154'), Small OS in lat(277'), Pro lat(310')		2007	0145-0320			
Street	Shakespeare Ave	SW0731	NN51-2	15.3	NN51-1	15.3	141	24	VCP	0.8	0.5	1	2.3	1	2.3	2			3		5	0	Pro lats(44', 95'), Pro lat w/ Hwy MD(89), Skipped lateral @ 30'		2007	0145-0320			
Street	Piper Ave	SW0732	NN49-1	15.8	Blind Tap	NA	20	21	VCP	0.6	1	1	2.6	1	2.6	0					0	0	Line Ok		2007	0145-0320			
Street	Piper Ave	SW0733	*NN49-7A	7.5	NN49-7	8.5	294	12	VCP	0.5	0.5	1	2	1	2	7			7		14	8	Pro lats(22', 82', 214', 219', 248', 256', 280'), Mult. Cracks(94', 158'), Long. Crack(180', 224')		2007	0145-0320			
Street	Piper Ave	SW0734	*NN49-6A	8.7	NN49-6	10.3	117	15	VCP	0.6	0.5	1	2.1	1	2.1	2			2		4	1	Pro lat(62'), Pro lat w/ Lt MD(86'), Mult. Cracks(51')		2007	0145-0320			
Street	Piper Ave	SW0735	NN49-6	10.3	NN49-5	11.2	456	18	VCP	0.6	0.5	1	2.1	1	2.1	12	4		5	3	24	1			2007	0145-0320	2012	0145-0357	SCIPP (72'-78')
Street	Piper Ave	SW0736	*NN49-4A	12.1	NN49-4	13.3	168	21	VCP	0.6	0.5	1	2.1	1	2.1	1			4	2	7	1	Pro lats(3', 41', 91'), Pro lat w/ Lt Roots(39'), Small OS in lat(62', 84'), Lt Roots @ joints T/O		2007	0145-0320			
Street	Piper Ave	SW0737	NN49-4	13.3	NN49-3	13.4	357	21	VCP	0.6	0.5	1	2.1	1	2.1	7	1		5	3	16	2	Lt Roots in lat(75'), Pro lats(10', 113', 177', 230', 232'), Small OS in lat(114', 162', 151'), Large OS in lat(231'), Pro lat w/ Lt MD(308'), Lt MD in lat(311')		2007	0145-0320			
Street	Piper Ave	SW0738	NN49-3	13.4	NN49-2	14.3	368	21	VCP	0.6	0.5	1	2.1	1	2.1	6	1	1	6	4	18	0	Pro lats(7', 72', 271', 291'), Lt Roots in lat(112'), Small OS in lat(114', 162', 151'), Large OS in lat(231'), Pro lat w/ Lt MD(308'), Lt MD in lat(311')		2007	0145-0320			
Street	Piper Ave	SW0739	NN49-2	14.3	NN49-1	15.8	116	21	VCP	0.6	0.5	1	2.1	1	2.1	0			1	1	1	0	Lt MD in lat(95'), Lt MD @ joint(85')		2007	0145-0320			
Alley	Piper Ave	SW0740	NN49-2-1		NN49-2	14.3	217	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4		1	1		6	5	Lt MD in lat(118'), Pro lat(142'), Long. Crack(45')		2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding Offset	Broken Pipe	Total in Service	Capped									
Street	Rein Ave	SW0741	NN47-8	7.6	NN47-7	9.2	348	12	VCP	0.5	0.5	1	2	1	2	14			3	1	18	4			2007	0145-0320	2012	0145-0357	SCIIPP (74'-88', 338'-341')		
Street	Rein Ave	SW0742	NN47-7	9.2	NN47-6	9.7	367	15	VCP	0.6	0.5	1	2.1	2.5	5.25	6	3		2	1	12	7	Hvy Roots in lat(43', 312'). Small OS in lat(122'), Pro lats(156', 158'), Lt Roots in lat(231'), Long Crack(85', 277'), Mult. Cracks(34'), Lt Roots @ various joints T/O			2007	0145-0320				
Street	Rein Ave	SW0743	NN47-6	9.7	NN47-5	11.7	447	18	VCP	0.6	0.5	1	2.1	1	2.1	19	3		6	1	29	1	Pro lat(84', 235', 354', 382', 413', 425'), Lt Roots in lat(111'), Med Roots in lat(151', 187'), Large OS in lat(387')			2007	0145-0320				
Street	Rein Ave	SW0744	NN47-5A	12.2	NN47-4	13.3	168	21	VCP	0.6	0.5	1	2.1	1	2.1	2				4	6	0		Small OS(85', 79', 105', 107'), Line OK			2007	0145-0320			
Street	Rein Ave	SW0745	NN47-4A	13.3	NN47-3	14	205	21	VCP	0.6	0.5	1	2.1	1	2.1	1			4	5	10	1	Small OS in lat(199', 191', 266', 344'), Pro lats(226', 228', 268', 329'), Large OS in lat(308')			2007	0145-0320				
Street	Rein Ave	SW0746	NN47-3	14	NN47-2	14.3	370	21	VCP	0.6	0.5	1	2.1	1	2.1	8	1	1	3	7	20	0	Small OS in lat(38', 151', 272', 307', 349'), Pro lats(61', 71', 369'), Lt Roots in lat(152'), Large OS in lat(188', 270'), Lt MD in lat(228')			2007	0145-0320				
Alley	Rein Ave	SW0747	NN47-2-1		NN47-2	14.3	209	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2			1		3	10	Pro lat(138'), Survey abandoned(209') -- Material in pipe blocking half of pipe			2007	0145-0320				
Street	Rein Ave	SW0748	NN47-2	14.3	NN47-1	17.8	115	21	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line OK				2007	0145-0320			
Street	Rausch Ave	SW0749	NN38-1	16.7	Blind Tap	NA	152	24	VCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Pro lats(61', 176', 215', 274'), Circ. Crack(325')			2007	0145-0320				
Street	David Ave	SW0750	NN32-7	8.3	NN32-6	8.9	371	12	CIPP	0.5	0.5	1	2	1	2	11	1	2			14	9					2007	0145-0320	2012	0145-0358, 0145-0356	OCR (313'-323', 343'-350'), FCIPP
Street	David Ave	SW0751	NN32-6	8.9	NN32-5	10.2	326	15	VCP	0.6	0.5	1	2.1	1	2.1	8	1				9	6	Lt MD in lat(111'), Long. Cracks(151', 324')			2007	0145-0320				
Street	David Ave	SW0752	NN32-5	10.2	NN32-4	12.5	453	18	VCP	0.6	0.5	1	2.1	1	2.1	21			3		24	3	Pro lats(202', 222', 446'), Long. Crack(57', 79'), Mult. Cracks(79')			2007	0145-0320				
Street	David Ave	SW0753	NN32-4	12.5	NN32-3	14.8	455	21	VCP	0.6	0.5	1	2.1	1	2.1	14	1			11	26	0	Large OS in lat(11', 12', 128', 130', 169', 209', 329'), Hvy Roots in lat(167'), Small OS in lat(207', 365', 387'), Large OS in lat w/ broken pipe(288')			2007	0145-0320				
Street	David Ave	SW0754	NN32-3	14.8	NN32-2	17.5	347	21	VCP	0.6	0.5	1	2.1	1	2.1	11				5	16	0	Large OS in lat(34', 274', 314'), Small OS in lat(79', 114')			2007	0145-0320				
Street	David Ave	SW0755	NN32-2	17.5	NN32-1	18.2	357	24	VCP	0.8	0.5	1	2.3	1	2.3	14	1		3		18	0	Small OS in lat(8', 325'), Large OS in lat(285'), Hvy MD in lat(327')			2007	0145-0320				
Street	David Ave	SW0756	NN32-1	18.2	Blind Tap	NA	133	24	VCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Line OK			2007	0145-0320				
Alley	Easement just north of Nine Mile East of Rausch	SW0757	*NN32-1B	13.3	NN29-1	20.5	46	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	1	Line OK			2007	0145-0320				
Alley	Easement just north of Nine Mile East of Rausch	SW0758	NN29-1-1	11.8	NN29-1	20.5	161	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			1		2	7	Pro lat(9'), Line OK			2007	0145-0320				
Street	Stephens Rd	SW0759	NN29-4-1	15.6	NN29-4		27	27	RCP	0.8	1	1	2.8	1	2.8	0					0	0	Line OK			2007	0145-0320				
Street	Stephens Rd	SW0760	NN29-4-3	12.6	NN29-4-2	14.5	328	27	RCP	0.8	1	1	2.8	1	2.8	10	1				11	8	Lt MD in lat(284'), Mod Inf. At joint(314')			2007	0145-0320				
Street	Stephens Rd	SW0761	NN29-4-2	14.5	NN29-4-1	15.6	303	27	RCP	0.8	1	1	2.8	1	2.8	10	3				13	5	Lt MD in lat(145', 263', 284')			2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	Lambrecht Ave	SW0762	NN26-1	16.6	Blind Tap	NA	125	21	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Long. Cracks(32', 46')		2007	0145-0320				
Alley	Easement just North of Nine Mile Rd	SW0763	NN26-1-1			NN26-1	16.6	145	12	VCP	0.5	0.5	0.5	1.5	1	1.5	5			1		6	0		Pro lat(70'), Line OK		2007	0145-0320			
Rear Yard	Easement just North of Nine Mile Rd	SW0764	NN26-1	16.6	NN24-1	15.8	265	12	PVC	0.5	0.5	0.5	1.5	1	1.5	9	1		1	4		15	0				2007	0145-0320	2012	0145-0357	SCIPP (0'-10')
Rear Yard	Easement South of Stephens	SW0765	NN26-8			NN26-7	9.2	135	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			2	2		5	2	Pro lat(46', 123'), Small OS in lat(64', 104'), Can not tell if so called capped laterals are really capped		2007	0145-0320			
Street	Lambrecht Ave	SW0766	NN26-7	9.2	NN26-6	9.8	381	12	VCP	0.5	0.5	1	2	1	2	10			5			15	9	Pro lat(23', 57', 67', 115', 139'), Mult. Cracks(37')		2007	0145-0320				
Street	Lambrecht Ave	SW0767	NN26-6	9.8	NN26-5	10.8	366	15	VCP	0.6	0.5	1	2.1	1	2.1	14						14	2	Video very dark, Line OK		2007	0145-0320				
Street	Lambrecht Ave	SW0768	NN26-5	10.8	NN26-4	11.8	458	18	VCP	0.6	0.5	1	2.1	1	2.1	23			3			26	8	Pro lat(268', 308', 350'), Long. Crack(41', 322')		2007	0145-0320				
Street	Lambrecht Ave	SW0769	NN26-4	11.8	NN26-3	13.2	457	21	VCP	0.6	0.5	1	2.1	1	2.1	12			7	6		25	1	Pro lat(16', 44', 88', 88', 130', 206', 243'), Small OS in lat(285', 287', 365', 367', 401', 403')		2007	0145-0320				
Street	Lambrecht Ave	SW0770	NN26-3	13.2	NN26-2	14.3	405	21	VCP	0.6	0.5	1	2.1	1	2.1	15			3	2		20	1	Pro lat(35', 219', 387'), Large OS in lat(264', 266')		2007	0145-0320				
Street	Lambrecht Ave	SW0771	NN26-2	14.3	NN26-1	16.6	318	21	VCP	0.6	0.5	1	2.1	1	2.1	14			1	4		19	0	Pro lat(24'), Small OS in lat(99', 137', 140', 259')		2007	0145-0320				
Rear Yard	Easement just North of Nine Mile Rd	SW0772	NN24-1A		NN24-1	15.8	117	12	VCP	0.5	0.5	0.5	1.5	1	1.5	5	1		2	1		9	0	Pro lat(42', 83'), LI Roots in lat(81'), Small OS in lat(102'), Video format different from other videos		2007	0145-0320				
Rear Yard	Easement South of Stephens	SW0773	NN26-7	9.2	NN24-7	10.6	270	12	VCP	0.5	0.5	0.5	1.5	2	3	5		2	1	3	11	1	Large OS in lat(46'), LI MD in lat(86', 223'), Pro lat(108'), Small OS in lat(64', 204'), Long. Crack(100')		2007	0145-0320					
Street	Tuscany Ave	SW0774	NN24-7	10.6	NN24-6	8.8	386	12	VCP	0.5	0.5	1	2	1	2	12	4		2			18	3	LI Roots in lat(46'), Small OS in lat(67'), Pro lat(84', 112', 145'), Mult. Cracks(33' to 45')		2007	0145-0320				
Rear Yard	Easement South of Stephens	SW0775	NN21-9		NN21-8		33	15	VCP	0.6	0.5	0.5	1.6	1	1.6	0						0	0	Line OK		2007	0145-0320				
Rear Yard	Easement South of Stephens	SW0776	NN21-8		NN21-7	11.8	161	15	VCP	0.6	0.5	0.5	1.6	1	1.6	7						7	0	Line OK		2007	0145-0320				
Rear Yard	Easement South of Stephens	SW0777	NN24-7	10.6	NN21-9		152	15	VCP	0.6	0.5	0.5	1.6	2	3.2	3	1		3	1		8	0	Pro lat(17', 352'), Hwy Roots in lat(103', 145', 147', 184'), Long. Cracks(54', 295')		2007	0145-0320				
Street	Tuscany Ave	SW0778	NN24-6	8.8	NN24-5	10.2	366	15	VCP	0.6	0.5	1	2.1	1	2.1	17			2			19	2	Pro lat(32', 196'), Long. Cracks(40', 275')		2007	0145-0320				
Street	Tuscany Ave	SW0779	NN24-5	10.2	NN24-4	11.1	459	18	VCP	0.6	0.5	1	2.1	1	2.1	17	4		1	1		23	8	LI Roots in lat(110'), Hwy Roots in lat(176', 186', 348'), Pro lat(132'), Large OS w/LI Roots in lat(319')		2007	0145-0320				
Street	Tuscany Ave	SW0780	NN24-4	11.1	NN24-3	12.5	456	21	VCP	0.6	0.5	1	2.1	1	2.1	14	1		2	6		23	3	Small OS in lat(85', 87', 278', 286', 364', 366'), Pro lat(165', 205'), LI MD in lat(326'), Long. Crack(286')		2007	0145-0320				
Street	Tuscany Ave	SW0781	NN24-3	12.5	NN24-2	13.5	406	21	VCP	0.6	0.5	1	2.1	1	2.1	12	2	3	4	5		26	1	Hvy Roots in lat(37', 119'), Small OS in lat(41', 159', 276', 281'), LI Roots in lat(161'), Pro lat(74', 80', 315', 396'), Large OS in lat(165', 205'), Small OS @ joints(20' to 358', 398'), LI Roots @ joints(0' to 25')		2007	0145-0320				
Street	Tuscany Ave	SW0782	NN24-2	13.5	NN24-1	15.8	322	21	VCP	0.6	0.5	1	2.1	1	2.1	12	1		1	5		19	0	LI Roots in lat(7'), Large OS in lat(69', 169'), Small OS in lat(105', 149', 227'), Pro lat(267'), Video format different from other videos, hard to read footage counter		2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					Capped	PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service								
Street	Brittany Ave	SW0783	NN21-7	11.8	*NN21-6A	9.4	196	12	VCP	0.5	0.5	1	2	1	2	2	1	3	3	2	8	5	Small OS in lat(73°, 151°), Pro lat(79°, 123°, 159°), Med Roots in lat(191°)		2007	0145-0320				
Street	Brittany Ave	SW0784	NN21-6	10.8	NN21-5	11.7	360	18	VCP	0.6	0.5	1	2.1	1	2.1	8	1	3	7	3	22	2			2007	0145-0320	2012	0145-0358	OCR (118°-124°)	
Street	Brittany Ave	SW0785	NN21-5	11.7	NN21-4	13	450	18	VCP	0.6	0.5	1	2.1	5	10.5	13	1	5	11	4	34	0	Small OS in lat(29°, 282°, 269°), Pro lat(46°, 52°, 127°, 131°, 206°, 208°, 287°, 279°, 281°, 436°, 438°), Li MD in lat(67°, 69°, 105°, 224°, 297°), Li Roots in lat(35°), Large OS in lat(72°), Mainline pipe collapse @ lat(27°)		2007	0145-0320				
Street	Brittany Ave	SW0786	NN21-4	13	NN21-3	15.2	460	21	VCP	0.6	0.5	1	2.1	1	2.1	18	1	5	7	31	0	Pro lat(69°, 71°, 227°, 229°, 309°), Small OS in lat(166°, 207°, 209°, 286°, 288°, 403°, 405°), Li MD in lat(326°)		2007	0145-0320					
Street	Brittany Ave	SW0787	NN21-3	15.2	NN21-2	15.3	419	21	VCP	0.6	0.5	1	2.1	1	2.1	14	4	4	9	31	0	Small OS in lat(77°, 117°, 119°, 237°, 314°, 394°, 396°), Li MD in lat(79°, 157°, 239°), Med MD in lat(159°), Large OS in lat(197°), Large OS in lat w/ MD(199°), Pro lat(212°, 214°, 296°, 298°)		2007	0145-0320					
Street	Brittany Ave	SW0788	NN21-2	15.3	NN21-1	16.3	287	24	VCP	0.8	0.5	1	2.3	1	2.3	16	2	2		20	0	Med MD in lat(19°, 100°), Pro lat(224°, 226°), Video format different from other videos			2007	0145-0320				
Street	Brittany Ave	SW0789	NN21-1A	10.7	NN21-1	16.3	153	12	VCP	0.5	0.5	1	2	2	4	3			1	4	0	Large OS in lat(71°), Long Crack(9°) Video format different from other videos			2007	0145-0320				
Street	Brittany Ave	SW0790	NN21-1	16.3	Blind Tap	NA	152	24	VCP	0.8	0.5	1	2.3	1	2.3	2				2			Video format different from other videos, Line OK			2007	0145-0320			
Rear Yard	Easement South of Stephens	SW0791	NN21-7	11.8	NN19-7	10.3	287	18	VCP	0.6	0.5	0.5	1.6	1	1.6	7	1	2	3	13	1	Small OS in lat(24°, 85°, 145°), Li Roots in lat(65°), Pro lat(206°, 208°), Long, Cracks(14°, 143°)			2007	0145-0320				
Street	Normandy Ave	SW0792	NN19-7	10.3	NN19-6	10.8	365	12	VCP	0.5	0.5	1	2	2.5	5	14			2	16	4	Hvy Roots in lat(57°), Small OS in lat(70°), Pro Lat(195°), Li Roots in lat(286°), Object stuck in joint(99°), Long, Crack(208°), Mult, Cracks(220°)			2007	0145-0320				
Easement	Easement South of Stephens	SW0793	NN12-5-8	13.8	NN16-9	13.2	145	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	4	1			5	0	Line in fair condition, Hole in mainline at lat(28°), Mult, Fracture(35°, 60-70°)			2013	0145-0428	2016	0145-0481	FCIPP	
Rear Yard	Easement South of Stephens	SW0794	NN19-7	10.3	NN16-9	13.2	329	21	VCP	0.6	0.5	0.5	1.6	1	1.6	11	2	1	1	15	4	Pro lat(113°, 273°), Line OK			2007	0145-0320				
Street	Normandy Ave	SW0795	*NN19-5A	11.2	NN19-5	11.9	194	18	VCP	0.6	0.5	1	2.1	1	2.1	6	1	1	1	8	4	Med Roots in lat(62°), Pro lat(140°), Line OK			2007	0145-0320				
Street	Normandy Ave	SW0796	NN19-5	11.9	NN19-4	13	458	18	VCP	0.6	0.5	1	2.1	2.5	5.25	14	1	1	8	1	24	1	Hvy Roots in lat(30°), Pro lat(188°, 190°, 228°, 266°, 300°, 306°, 388°, 428°), Small OS in lat(292°), Long, Crack(13°, 279°), Mult, Cracks(132°, 337°)			2007	0145-0320			
Street	Normandy Ave	SW0797	NN19-4	13	NN19-3	13.6	457	21	VCP	0.6	0.5	1	2.1	1	2.1	11		6	7	24	0				2007	0145-0320	2012	0145-0358, 0145-0357	OCR (86°-92°), SCIPP (437-443°)	
Street	Normandy Ave	SW0798	NN19-3	13.6	NN19-2	14.1	413	24	VCP	0.8	0.5	1	2.3	1	2.3	14	2	1	6	23	0	Large OS in lat(131°), Li MD in lat(133°), Small OS in lat(157°, 195°, 235°, 314°, 316°), Li Roots in lat(274°, 276°)			2007	0145-0320				
Street	Normandy Ave	SW0799	NN19-2	14.1	NN19-1	14.8	289	24	VCP	0.8	0.5	1	2.3	1	2.3	6	1	1	7	14	0	Hvy MD in lat(24°), Large OS in lat(63°, 221°), Small OS in lat(101°, 102°, 144°, 207°)			2007	0145-0320				
Alley	Easement just North of Nine Mile Rd	SW0800	NN19-1A	12.4	NN19-1	14.8	67	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1	1			1	0	Line OK			2007	0145-0320				
Street	Normandy Ave	SW0801	NN19-1	14.8	Blind Tap	NA	153	24	VCP	0.8	0.5	1	2.3	3	6.9	1	1			2	0	Pro lat(75°, 184°), Med MD in lat(163°, 203°), Mult, Cracks(16°), Hole in Pipe(110°, 118°)			2007	0145-0320				
Parking Lot	Easement just North of Nine Mile Rd	SW0802	NN19-1	14.8	NN16-1	14.3	333	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4	2	2		8	9	Lt MD in lat(81°), Line OK			2007	0145-0320				
Easement	Easement East of Johnston	SW0803	NN1-9-6	8.1	NN1-9-5	9.3	183	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	2	1			3	0	Line in fair condition, Hvy Roots in lat(33°)			2013	0145-0428			SCIPP (135°-138°)	

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length H (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV (CCTV)	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	Easement between Marine and Raven	SW0804	NN1-6-8	7.7	NN1-6-7	8.6	251	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	3	3			6	0	Line in fair condition, LI Roots in lat(19', 61', 171'), Lining Failure-Wrinkles(87', 131'-155', 243')		2013	0145-0428	2016	0145-0480, 0145-0481	OCR (155'-182'), FCIPP	
Easement	Easement between Marine and Raven	SW0805	NN1-6-9	7.6	NN1-6-8	7.7	184	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1	4	1		6	6	Line in fair condition, Hwy Roots in lat(16'), Pro lat(38'), LI Roots in lat(66', 99', 139'), Multi Fracture(9'-31', 51'-107', 141'-184'), Deformed(12'-23', 62'-107')		2013	0145-0428	FCIPP in 2016 (0145-0481)			
Easement	Easement between Petersburg and Marine	SW0806	NN1-4-9		NN1-4-8	8	246	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	2	4			6	0	Line in fair condition, Hwy Roots in lat(133', 135', 222', 225'), Lining failure Pinhole with roots(137'), Survey Abandoned(222')-Hwy Roots from lat in pristine		2013	0145-0428				
Easement	Easement between Petersburg and Marine	SW0807	NN1-4-10	7.9	NN1-4-9		182	12	VCP	0.5	0.5	0.5	1.5	1	1.5	6				6	0	Line in fair/poor condition, Multi Fracture(27'-76' 118'-122', 151'-182'), Deformed(27'-77', 157'-182')		2013	0145-0428	FCIPP in 2016 (0145-0481)			
Easement	Easement South of Stephens	SW0808	NN1-9-3-3	9.6	NN1-9-3-4		83	12	VCP	0.5	0.5	0.5	1.5	4	6	0				0	6	Line in fair condition, Multi Fracture(4'-83'), Deformed(35'-83')		2013	0145-0428	Liner Not installed			
Easement	Easement South of Stephens	SW0809	NN1-9-3-3	9.6	NN1-9-3-2	10.2	211	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	1				1	0	Line in good condition, No defects observed		2013	0145-0428				
Easement	Easement East of Johnston	SW0810	NN1-9-5	9.3	NN1-9-4		243	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	3	1			4	0	Line in fair condition, LI Roots in lat(188')		2013	0145-0428				
Easement	Easement between Raven and Johnston	SW0811	NN1-7-6	9.2	NN1-7-5	9.9	258	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	5	2			7	0	Line in fair condition, LI Roots in lat(25', 235')		2013	0145-0428				
Easement	Easement between Raven and Johnston	SW0812	NN1-7-7	9.9	NN1-7-6	9.2	196	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	3	2	1		6	0	Line in fair condition, LI Roots in lat(81', 171'), Pro lat(192')		2013	0145-0428				
Easement	Easement South of Stephens	SW0814	NN1-12	10	NN1-11		136	24	RCP	0.8	0.5	0.5	1.8	1	1.8	0				0	0	Line in fair condition, LH2S damage T/O		2013	0145-0428				
Easement	Easement South of Stephens	SW0815	NN1-13	8	NN1-12	10	500	24	RCP	0.8	0.5	0.5	1.8	1	1.8	0	1			1	0	Line in fair condition, LI Roots at Joints(11', 23', 31'), Survey Abandoned(121')-Hvy Debris and Roots		2013	0145-0428				
Street	Stephens at Greenbrier	SW0816	NN1-13	8	NN1-14		120	24	RCP	0.8	0.5	1	2.3	1	2.3	0				0	0	Line in good condition, No defects observed		2013	0145-0428				
Easement	Easement between Kelly and Petersburg	SW0817	NN4-9	11.6	NN4-8		244	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	4	3			7	0	Line in fair condition, Med Roots in lat(53', 123'), Overcut service(161'), LI Roots in lat(238')		2013	0145-0428				
Easement	Easement East of Johnston	SW0819	NN1-9-4		NN1-9-3		261	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	2				1	3	0	Line in fair condition, Broken pipe in lat(80')		2013	0145-0428			
		SW0820	NN1-16		NN1-15		38	18		0.6	0.5	0.5	1.6	1	1.6					0					2013	0145-0428			
		SW0822	NN16-1-1		NN1-16		13	18		0.6	0.5	0.5	1.6	1	1.6					0					2013	0145-0428			
		SW0823	NN1-20-2		NN1-7-9		30	18		0.6	0.5	0.5	1.6	1	1.6					0					2013	0145-0428			
		SW0824	NN1-15		NN1-14		34	18		0.6	0.5	0.5	1.6	1	1.6					0					2013	0145-0428			
		SW0825	NN1-16-1-1		Lift Station		25	18		0.6	0.5	0.5	1.6	1	1.6					0					2013	0145-0428			
		SW0826	NN16-1-4		NN16-1-3		272	18		0.6	0.5	0.5	1.6	1	1.6					0					2013	0145-0428			
		SW0827	NN1-17		NN1-16		267	18		0.6	0.5	0.5	1.6	1	1.6					0					2013	0145-0428			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length H (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	Easement North of Stephens	SW0828	NN1-18	18	NN1-17		114	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2					2	0	Line in fair condition, Circ. Fracture in MH channel(?)		2013	0145-0428			
Rear Yard	Easement North of Stephens between Tepper and Roxana	SW0829	NN1-19		NN1-18		156	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2					2	0	Line in fair condition, Lt Grease Deposits(1'-59", 97"-156")		2013	0145-0428			
Rear Yard	Easement North of Stephens between Tepper and Roxana	SW0830	NN1-20		NN1-19		268	18	VCP	0.6	0.5	0.5	1.6	3	4.8	6			1	7	0	Line in fair condition, Med Os in lat(2") , Lt MD at joints T/O, Long. Fracture(256")		2013	0145-0428				
Easement	Easement between Johnston and Mabray	SW0831	NN1-20-1		NN1-20		115	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2					2	0	Line in fair condition, Lt roots and Lt MD at selected joints T/O		2013	0145-0428			
Street	Stephens East of Kelly	SW0832	NN1-20-1		NN1-20-2	17.3	310	18	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line in fair condition, Lt MD at joints T/O		2013	0145-0428			
		SW0833	NN1-7-10		NN1-7-9		263	18		0.6	0.5	0.5	1.6	1	1.6							0				2013	0145-0428		
		SW0834	NN1-7-11		NN1-7-10		266	18		0.6	0.5	0.5	1.6	1	1.6							0				2013	0145-0428		
		SW0835	NN1-7-12		NN1-7-11		267	18		0.6	0.5	0.5	1.6	1	1.6							0				2013	0145-0428		
		SW0836	NN16-1-3		NN16-1-2		238	18		0.6	0.5	0.5	1.6	1	1.6							0				2013	0145-0428		
		SW0837	NN16-1-2		NN16-1-1		20	18		0.6	0.5	0.5	1.6	1	1.6							0				2013	0145-0428		
Street	Kelly	SW0839	NN1-7-14	14.3	NN1-7-13	14.1	120	18	VCP	0.6	1	1	2.6	1	2.6	0					0	0	Line in fair condition, Lt MD at joints T/O		2013	0145-0428			
Street	Kelly South of Forest	SW0840	E6-16	14.8	E6-15		111	18	RCP	0.6	1	1	2.6	1	2.6	1					1	0	Line in fair condition, Drop connection(106")		2013	0145-0428			
Street	Kelly at Stephens	SW0841	NN1-7-13	14.1	E6-15-1	13.8	139	18	VCP	0.6	1	1	2.6	1	2.6	0					0	0	Line in fair condition, Lt MD at joints T/O		2013	0145-0428			
Street	Stephens East of Kelly	SW0842	E6-15-1	13	E6-15		27	18	RCP	0.6	0.5	1	2.1	1	2.1	1					1	0	Line in fair condition, Circ. Fractures(20"), Square cut-out for drop connection		2013	0145-0428			
Street	Stephens East of Kelly	SW0843	E6-15-1	13.8	NN1-7-12		86	18	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line in fair condition, Lt Roots and Lt MD at joints T/O, Survey abandoned(86")-Roots		2013	0145-0428			
		SW0844	NN1-7-8		NN1-7-7		103	21		0.6	0.5	0.5	1.6	1	1.6							0				2013	0145-0428		
		SW0845	NN1-7-9		Lift Station		30	18		0.6	0.5	0.5	1.6	1	1.6							0				2013	0145-0428		
		SW0847	NN1-14		Lift Station		27	24		0.8	0.5	0.5	1.8	1	1.8							0				2013	0145-0428		
Easement	Easement between Greenbrier and Beck	SW0848	NN16-1-3-3	14.7	NN16-1-3-2	15.1	302	10	VCP	0.5	0.5	0.5	1.5	1	1.5	8	4			12	0	Line in fair condition, Lt MD in lat(66", 69", 264", 267"), Lt MD at joints T/O		2013	0145-0428		SCIPP (116"-122")		
Easement	Easement between Greenbrier and Beck	SW0849	NN16-1-3-2	15.1	NN16-1-3-1	15.5	304	10	VCP	0.5	0.5	0.5	1.5	1	1.5	11	1			12	0	Line in fair condition, Lt MD in lat(68"), Lt MD at joints T/O, Abandoned Survey(73")-pro lat, Reverse-Lt MD at joints T/O		2013	0145-0428		SCIPP (235"-245")		
Easement	Easement between Greenbrier and Beck	SW0850	NN16-1-3-1	15.5	NN16-1-3	17.3	300	10	VCP	0.5	0.5	0.5	1.5	1	1.5	6		1		7	0	Line in fair condition, Pro lat(73"), Lt MD at joints T/O, Abandoned Survey(73")-pro lat, Reverse-Lt MD at joints T/O		2013	0145-0428		SCIPP (1"-7")		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length H (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	Easement between Willowby and Greenbrier	SW0851	NN1-16-3	12.5	NN1-16-2	14	302	10	VCP	0.5	0.5	0.5	1.5	3	4.5	8	4					12	0	Line in fair condition, Lt Roots in lat(58', 258'), Hwy Roots in lat(41', 260'), Long. Fracture(18'), Lt MD at joints T/O, Lt Roots at select joints T/O		2013	0145-0428		
Easement	Easement between Willowby and Greenbrier	SW0852	NN1-16-2	14	NN1-16-1	15	300	10	VCP	0.5	0.5	0.5	1.5	1	1.5	11	2			2		15	0	Line in fair condition, Large OS in lat(207', 247'), Multi Fracture(236', 243'), Lt MD at select joints T/O		2013	0145-0428	SCIPP in 2016 (0145-0481)	
Easement	Easement between Willowby and Greenbrier	SW0853	NN1-16-1	15	NN1-16	16	300	10	VCP	0.5	0.5	0.5	1.5	3	4.5	4				2	1	7	0	Line in fair condition, Large OS in lat(9', 12'), Fractured lat(77'), Lt MD at select joints T/O		2013	0145-0428		
Easement	Easement between Ridgecroft and Willowby	SW0854	NN1-17-3		NN1-17-2	13.8	301	10	VCP	0.5	0.5	0.5	1.5	1	1.5	10		2				12	0	Line in fair condition, Survey Abandoned(4')-Large MD, Reverse, Line in fair condition, Lt MD in lat(147', 245'), Long. Crack(12'), Lt MD at select joints T/O		2013	0145-0428		
Easement	Easement between Ridgecroft and Willowby	SW0855	NN1-17-2	13.8	NN1-17-1	14.5	300	10	VCP	0.5	0.5	0.5	1.5	1	1.5	7	2					9	0	Line in fair condition, Large OS in lat(56', 181'), Lt MD in lat(207', 211'), Med OS in lat(260'), Lt MD at select joints T/O		2013	0145-0428		
Easement	Easement between Ridgecroft and Willowby	SW0856	NN1-17-1	14.5	NN1-17	16.1	301	10	VCP	0.5	0.5	0.5	1.5	1	1.5	6				1	7	0	Line in fair condition, Med OS in lat(11), Lt MD at joints T/O		2013	0145-0428			
Easement	Easement between Mabray and Ridgecroft	SW0857	NN1-19-3	14.3	NN1-19-2	15.5	303	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	7	1	3	1	1	12	0	Line in fair condition, Large OS in lat(64', 107', 162'), Lt Roots in lat(209')		2013	0145-0428			
Easement	Easement between Mabray and Ridgecroft	SW0858	NN1-19-2	15.5	NN1-19-1	16.5	300	10	VCP	0.5	0.5	0.5	1.5	1	1.5	10				2		12	0	Line in fair condition, Large OS in lat(160'), Med OS in lat(163'), Lt MD at select joints T/O		2013	0145-0428		
Easement	Easement between Mabray and Ridgecroft	SW0859	NN1-19-1	16.5	NN1-19		300	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	7					7	0	Line in good condition, No defects observed		2013	0145-0428			
Rear Yard	Easement East of Beck	SW0860	NN16-1-4-3	15.4	NN16-1-4-2	16.4	317	12	VCP	0.5	0.5	0.5	1.5	1	1.5	5	1				6	0	Line in fair condition, Lt MD in lat(138'), Lt MD at select joints T/O		2013	0145-0428			
Rear Yard	Easement East of Beck	SW0861	NN16-1-4-2	16.4	NN16-1-4-1		321	12	VCP	0.5	0.5	0.5	1.5	1	1.5	5				1	6	0	Line in fair condition, Med OS in lat(223'), Long. Crack(53'), Lt MD at select joints T/O		2013	0145-0428			
		SW0862	NN16-1-4-1		NN16-1-4		320	12		0.5	0.5	0.5	1.5	1	1.5						0					2013	0145-0428		
Easement	Easement between Johnston and Mabray	SW0863	NN1-23	15.9	NN1-22		350	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	11	2			1	14	0	Line in fair condition, Med OS in lat(154'), Hwy Roots in lat(305', 308'), Survey Abandoned(308')-Hwy Roots in lat(308')-Reversed in lat(308'), Line in fair condition, Survey Abandoned(42')-Hwy Roots in lat(222')		2013	0145-0428	2016	0145-0480, 0145-0481	OCR (44'-55', 90'-106', 198'-202'), FCIPP
Easement	Easement between Johnston and Mabray	SW0864	NN1-21	18	NN1-22		370	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	6				6	12	0	Line in fair condition, Med OS in lat(112', 167', 265', 317', 357', 360')		2013	0145-0428			SCIPP (0'-5', 96'-100')
Easement	Easement between Johnston and Mabray	SW0865	NN1-21	18	NN1-20		255	12	VCP	0.5	0.5	0.5	1.5	1	1.5	7	1			1	9	0	Line in fair condition, Med OS in lat(169'), Lt Roots in lat(222'), Lt MD at select joints T/O		2013	0145-0428			
Easement	Easement between Raven and Johnston	SW0866	NN1-7-9-3	13.5	NN1-7-9-2	14.6	343	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	12	1	1	1		15	1	Line in fair condition, Long. Fracture(23', 30', 30', 49', 57', 91'-100'), Hwy Roots with void visible in lat(46'), Broken pipe(98'), Hwy Roots in manhole(90'-110'), Survey abandoned(100')-Root ball in manhole(100'), Hwy Roots in manhole(100')-Root ball in manhole(100')		2013	0145-0428	2016	0145-0481	FCIPP
Easement	Easement between Raven and Johnston	SW0867	NN1-7-9-2	14.6	NN1-7-9-1		360	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	6	1	3	3	13	0	Line in fair condition, Med OS in lat(104', 146', 261'), Pro last(201', 203', 280'), Med MD in lat(201'), Circ. Fracture(1'), Long. Fracture(96')		2013	0145-0428	2016	0145-0481	FCIPP	
		SW0868	NN1-7-9-1		NN1-7-9		375	15		0.6	0.5	0.5	1.6	1	1.6					0					2013	0145-0428			
Easement	Easement between Marine and Raven	SW0869	NN1-7-10-3	13	NN1-7-10-2	14	356	15	VCP	0.6	0.5	0.5	1.6	1	1.6	2	4		2	6	14	1	Line in fair condition, Pro last(142', 143', 171', 100'), Hwy Roots in lat(88'), Hwy Roots in lat(84'), Mult. Fracture(2'-132'), Survey abandoned(132')-pro last, Reuse Set-up, Line in fair/poor condition, Med OS in lat(84', 116'), Large OS in lat(87', 119', 172', 244')		2013	0145-0428	FCIPP in 2016 (0145-0481)		
Easement	Easement between Marine and Raven	SW0870	NN1-7-10-2	14	NN1-7-10-1		352	15	VCP	0.6	0.5	0.5	1.6	1	1.6	3				7	10	0	Line in fair condition, Large OS in lat(23', 138'), Med OS in lat(26', 88', 141', 191', 194'), Circ. Fracture(1'), Long. Fracture(41', 75', 348'), Mult. Fracture(144'-164', 360')		2013	0145-0428			SCIPP (304'-309', 338'-348')
		SW0871	NN1-7-10-1		NN1-7-10		372	15	CIPP	0.6	0.5	0.5	1.6	1	1.6					0					2013	0145-0428	2016	0145-0481	FCIPP

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	Easement between Petersburg and Marine	SW0872	NN1-7-11-2	14.5	NN1-7-11-1	15.3	355	15	VCP	0.6	0.5	0.5	1.6	1	1.6	3	1	1	6	1	12	0	Line in fair condition, Large OS in lat(12°, 16°-62°, 336°), Med OS in lat(11°, 157°), Lt MD in lat(18°), Pro lat(206°), Cracks in lat(339°), Lt MD at select joints T/O, Fracture(308°-342°-350°)		2013	0145-0428			
Easement	Easement between Petersburg and Marine	SW0873	NN1-7-11-1	15.3	NN1-7-11		382	15	VCP	0.6	0.5	0.5	1.6	1	1.6	4			9	1	14	0	Line in fair condition, Small OS in lat(36°, 86°-179°, 194°, 300°, 337°), Med OS in lat(151°), Crack in lat(136°), Large OS in lat(228°, 231°), Long Fracture(3°, 36°, 226°-266°-302°), Mult. Fracture(279°, 262°)		2013	0145-0428	SCIPP In 2016 (0145-0481)		
Easement	Easement between Kelly and Petersburg	SW0874	NN1-7-12-2	14.3	NN1-7-12-1	16.4	302	15	VCP	0.6	0.5	0.5	1.6	1	1.6	6	1	1	1	2	11	0	Line in fair condition, Large OS in lat(12°, 16°-62°, 336°), Med OS in lat(15°), Pro lat(115°), Lt MD in lat(121°), Large OS in lat(240°), Lt Roots at select joints T/O, Long Fracture(3°, 36°, 226°-266°-302°), Mult. Fracture(279°, 262°)		2013	0145-0428	FCIPP In 2016 (0145-0481)		
Easement	Easement between Kelly and Petersburg	SW0875	NN1-7-12-1	16.4	NN1-7-12	14.6	388	15	VCP	0.6	0.5	0.5	1.6	3	4.8	9			4	1	14	0	Line in fair condition, Large OS in lat(12°, 16°-62°, 336°), Med OS in lat(15°), Pro lat(115°), Lt MD at select joints T/O, Fracture(308°-342°-350°)		2013	0145-0428			
Easement	Easement East of Courtland	SW0876	NN1-7-15-1	14.3	NN1-7-15		276	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Line in fair condition, Lt MD at joints T/O, Circ. Fracture(269°)		2013	0145-0428			
Easement	Easement East of Courtland	SW0877	NN1-7-15-1A	13.3	NN1-7-15-1	14.3	83	12	VCP	0.5	0.5	0.5	1.5	1	1.5	3					3	0	Line in fair condition, Long, Crack(25°)		2013	0145-0428			SCIPP (80°-96°)
Easement	Easement East of Courtland	SW0878	NN1-7-15-2	13.8	NN1-7-15-1	14.3	29	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	1	Line in good condition, No defects observed		2013	0145-0428			
Easement	Easement East of Courtland	SW0879	NN1-7-15-2A	12.6	NN1-7-15-2	13.8	138	10	VCP	0.5	0.5	0.5	1.5	1	1.5	1	1		1	3	0	Line in fair condition, Lt Roots in lat(15°), Med OS in lat(11°), Lt Roots at joints T/O, Long, Crack(74°)		2013	0145-0428				
Easement	Easement East of Courtland	SW0880	NN1-7-15-3	10.7	NN1-7-15-2	13.8	418	12	VCP	0.5	0.5	0.5	1.5	1	1.5	6	1		1	8	0	Line in fair condition, Lt Roots in lat(84°), Med OS in lat(333°), Lt MD at joints T/O, Mult. Fracture(82°-85°)		2013	0145-0428	SCIPP In 2016 (0145-0481)			
Easement	Easement North of Stephens	SW0881	NN1-7-15	16	NN1-7-14	14.3	193	18	VCP	0.6	0.5	0.5	1.6	1	1.6	6					6	0	Line in fair condition, Lt MD at joint(165°)		2013	0145-0428			
Street	Kelly South of Forest	SW0882	E6-18		E6-17	14.2	260	18	RCP	0.6	1	1	2.6	1	2.6	0					0	0	Line in good condition, No defects observed		2013	0145-0428			
Street	Kelly South of Forest	SW0883	E6-17	14.2	E6-16	14.8	276	18	RCP	0.6	1	1	2.6	1	2.6	0					0	0	Line in fair condition, Infiltration stain at joints(82°, 226°)		2013	0145-0428			
Easement	STEPHENS EASEMENT BETWEEN ALMOND AND KELLY	SW0884	NN7-9	7.7	NN7-8	7.5	115	12	CIPP	0.5	0.5	0.5	1.5	1	1.5				1		1	5			2011-2012	0145-0392	2013	0145-0429	FCIPP
Easement	TEMPERT EASEMENT BETWEEN STEPHENS AND FOREST	SW0885	NN1-7-20-1	12.6	NN1-7-20	15.8	267	10	RCP	0.5	0.5	0.5	1.5	1	1.5	1	1	1	1	3		Line in good condition		2011-2012	0145-0392				
Easement	Easement West of Roxana and South of Forest	SW0886	NN1-7-19	14.8	NN1-7-18	16.5	124	18	VCP	0.6	0.5	0.5	1.6	1	1.6	0				0	0	Line in fair condition, Long, Crack(3°-37°), Lt Roots at joints(19°, 24°), Lt MD at joints(71°, 102°)		2013	0145-0428				
Easement	Easement West of Roxana and South of Forest	SW0887	NN1-7-18-1	15.9	NN1-7-18	16.5	350	12	VCP	0.5	0.5	0.5	1.5	1	1.5	7			1	8	0	Line in fair condition, Small OS in lat(228°), Long, Crack(12°), Lt MD at selected joints T/O		2013	0145-0428				
Easement	Easement South of Forest and East of Roxana	SW0888	NN1-7-17-1	14	NN1-7-17	15.8	277	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4	1		3	8	0	Line in fair condition, Med OS in lat(12°, 152°), Lt Roots in lat(55°), Large OS in lat(162°), Lt MD at joints T/O		2013	0145-0428				
Easement	Easement West of Courtland	SW0889	NN1-7-17-1-1B	12	NN1-7-17-1-1	12.7	76	12	VCP	0.5	0.5	0.5	1.5	3	4.5	3				3	0	Line in fair condition, Mult. Fracture(10°), Mult. Crack(22°), Lt MD at select joints T/O		2013	0145-0428				
Easement	Easement West of Courtland	SW0890	NN1-7-17-1-1A	11.7	NN1-7-17-1-1	12.7	82	12	VCP	0.5	0.5	0.5	1.5	1	1.5	3				3	0	Line in fair condition, Lt MD at joints T/O, Long, Crack(27°, 71°)		2013	0145-0428				
Street	Stephens Rd	SW0891	NN1-7-22	16.1	NN1-7-21	16.6	115	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Line in fair condition, Lt Roots at joints T/O, Concrete in MH		2013	0145-0428				
Easement	Easement North of Stephens	SW0892	NN1-7-16		NN1-7-15		250	18	VCP	0.6	0.5	0.5	1.6	1	1.6	5	1	1	3	10	0	Line in fair condition, Lt Roots in lat(49°), Med OS in lat(52°, 114°), Pro lat(121°), Large OS in lat(242°)		2013	0145-0428				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV (CCTV)	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location								
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Proruding Offset	Broken Pipe	Total in Service															
Easement	Easement North of Stephens	SW0893	NN1-7-17	15.8	NN1-7-16		243	18	VCP	0.6	0.5	0.5	1.6	1	1.6	6			2		8	0	Line in fair condition, Med OS in lat(188', 237'), Lt MD at joints T/O		2013	0145-0428										
Easement	Easement North of Stephens	SW0894	NN1-7-18	16.5	NN1-7-17	15.8	277	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	3			1		4	0	Line in fair condition, Med OS in lat(26'), Lt MD at joints T/O		2013	0145-0428	2016	0145-0481	FCIPP							
Street	Rosalind Ave	SW0895	NN1-7-23	15.2	NN1-7-22		114	12	VCP	0.5	0.5	1	2	1	2	1		1		2		0	Line in fair condition, Pro lat(22'), Lt MD at joints(53', 59')		2013	0145-0428			SCIPP (12'-28'; 158'-161')							
Street	Stephens	SW0896	NN1-7-20	15.8	NN1-7-19	14.8	306	18	CIPP	0.6	0.5	1	2.1	1	2.1	0	3		2		5	0	Line in fair condition, Hwy Roots in lat(68', 184'), Pro lat(128', 252'), Lt Roots in lat(252'), Lt Roots at joints T/O, Long Crack(250', 257')		2013	0145-0428	2016	0145-0481	FCIPP							
Easement	STEPHENS EASEMENT BETWEEN ALMOND AND KELLY	SW0899	NN7-1-9	7.7	NN7-1-8	8.7	125	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	2					2	6				2011-2012	0145-0392	2013	0145-0429	FCIPP						
Easement	Easement between Rosalind and Tepper	SW0900	NN12-1-7	10.9	NN12-1-6	10.9	384	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	12	3		1		16	3	Line in fair/poor condition, Lt Roots in lat(145', 147', 349'), Med OS in lat(107'), Mult. Fractures T/O		2013	0145-0428	2016	0145-0481	FCIPP							
		SW0901	NN9-1-7		NN12-1-7		340	15	CIPP	0.6	0.5	0.5	1.6	1	1.6							0					2013	0145-0428	2016	0145-0481	FCIPP					
Easement	Easement between Tepper and Roxana	SW0902	NN9-1-7	10	NN9-1-6	9.3	384	15	VCP	0.6	0.5	0.5	1.6	1	1.6	6	5		1		12	5	Line in fair condition, Hwy Roots in lat(287'), Mult. Fracture(10'-16', 285'-105', 143'-317'), Lt to Med Roots at joints T/O, Survey Abandoned(317') - Hwy Roots, Reverse Set-up, Line in fair condition, Hwy Roots in lat(59'), Lt to Hwy, 24' - Hwy Roots, 14' - Hwy Roots, 10' - Hwy Roots		2013	0145-0428	FCIPP in 2016 (0145-0481)									
Easement	STEPHENS EASEMENT BETWEEN ALMOND AND KELLY	SW0903	NN7-1-8	8.7	NN7-8	7.5	330	18	RCP	0.6	0.5	0.5	1.6	3.5	5.6	5					5	15	Line in poor condition, B (322), CL (3-302)			2011-2012	0145-0392									
Easement	Easement between Almond and Kelly	SW0904	NN7-1-8	8.7	NN7-1-7	9.2	238	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	4					4	4	Line in fair/poor condition, Mult. Fracture(4'-95', 101', 122', 141'-173', 191'-238'), Broken(Defomed(43', 80'))		2013	0145-0428	2016	0145-0481	FCIPP							
Easement	Easement between Roxana and Almond	SW0905	NN9-8	9.3	NN9-7	9.7	378	21	VCP	0.6	0.5	0.5	1.6	1	1.6	9			5		14	15	Line in fair/poor condition, Pro lats(31', 71', 113', 230', 311'), Mult. Fracture(9'-311'), Defomed(28', 317')		2013	0145-0428	FCIPP in 2016 (0145-0481)									
Easement	Easement between Almond and Kelly	SW0906	NN7-8	7.5	NN7-7	9.9	535	27	CIPP	0.8	0.5	0.5	1.8	1	1.8	2	2		1		5	0	Line in fair condition, Hwy MD in lat(402'), Survey abandoned(402') - Hwy Roots in lat. Recomended(402') - Hwy Roots in lat(107'), Lt Roots in lat(107'), Hwy MD in lat(57'), Lt MD at joints T/O, Survey abandoned(37', 145') - Hwy MD in lat(107')		2013	0145-0428	2016	0145-0481	FCIPP							
Easement	Easement between Almond and Kelly	SW0907	NN7-1-7		NN7-1-6		300	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	7	1			8	5	Line in fair condition, Hwy Roots in lat(107'), Hwy MD in lat(107'), Survey abandoned(107') - Hwy Roots in lat(107'), Hwy MD in lat(107'), Broken(107') - Survey abandoned(107') - Hwy Roots in lat(107'), Hwy MD in lat(107'), Survey abandoned(107') - Hwy Roots in lat(107'), Hwy MD in lat(107')		2013	0145-0428	2016	0145-0481	FCIPP								
Easement	Easement South of Stephens	SW0908	NN12-5-3-4	10.8	NN12-5-3-3	10.8	113	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	1	1		1		4	0	Line in fair condition, Med OS in lat(47'), Lt Roots in lat(55'), Pro lat(91'), Lt Roots at select joints T/O, Long. Cracks(54')		2013	0145-0428	2016	0145-0481	FCIPP							
Easement	Easement South of Stephens	SW0909	NN12-9	11.2	NN12-8	10.4	128	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	2	2			4	3	Line in fair condition, Lt Roots in lat(98', 118'), Mult. Fracture(36'-128')		2013	0145-0428	2016	0145-0481	FCIPP								
Street	Schroeder Ave	SW0912	*NN16-9	13.2	*NN16-8	13.3	377	27	RCP	0.8	0.5	1	2.3	1	2.3	6			1		7	3	Pro lat(239'), Med H2S damage T/O		2007	0145-0320										
Easement	Easement between Schroeder and Wilmet	SW0913	NN12-5-8	10.8	NN12-5-7	10.9	369	12	VCP	0.5	0.5	0.5	1.5	1	1.5	13	1			14	5	Line in fair/poor condition, Lt Roots in lat(193'), Long Fracture(10'-15', 107'-113', 117'-129', 152', 287', 292'), Mult. Fracture(153'-160', 168'-217', 293'-369')		2013	0145-0428	FCIPP in 2016 (0145-0481)										
Easement	Easement between Wilmet and Lexington	SW0914	NN12-5-3-3	9.9	NN12-5-3-2	10.9	371	12	VCP	0.5	0.5	0.5	1.5	1	1.5	7	7		1		15	2	Line in fair/poor condition, Med OS in lat(144'), Large OS in lat(125'), Cracked pipe in lat(145'), Med Roots in lat(2025'), Lt Roots in lat(2025'), Broken(347', 348', 285', 286'), Mult. Fracture(2944', 309', 341', 374', 346'), Deformed(18', 129')		2013	0145-0428	FCIPP in 2016 (0145-0481)									
Easement	Easement between Lexington and Rosalind	SW0915	NN12-8	10.4	NN12-7		386	27	VCP	0.8	0.5	0.5	1.8	1	1.8	8	4		2	1	15	5	Line in fair/poor condition, Med OS in lat(144'), Large OS in lat(125'), Cracked pipe in lat(145'), Med Roots in lat(2025'), Lt Roots in lat(2025'), Broken(347', 348', 285', 286'), Mult. Fracture(2944', 309', 341', 374', 346'), Deformed(18', 129')		2013	0145-0428	FCIPP in 2016 (0145-0481)									
Easement	Easement South of Stephens	SW0916	NN11-10-1	9.2	NN11-10	9.6	215	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	0				0	0	Line in good condition, No defects observed			2013	0145-0428										
Easement	Easement South of Stephens	SW0917	NN11-9-3-1	9	NN11-9-3		154	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	0				0	0	Line in good condition, No defects observed			2013	0145-0428										

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Easement	Easement South of Stephens	SW0918	NN1-9-3-2	10.2	NN1-9-3-1	9	245	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	0					0	0	Line in good condition, No defects observed		2013	0145-0428				
Easement	Easement between Marine and Raven	SW0920	NN1-6-7	8.6	NN1-6-6	8.4	251	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	4	2				6	0	Line in fair condition, Lt Roots in lat(93°, 176°)		2013	0145-0428				
Easement	Easement between Petersburg and Marine	SW0921	NN1-4-8	8	NN1-4-7	8.5	255	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	3	1				4	0	Line in fair condition, Med Roots in lat(164°), Lining Failure Bulge with Hwy Infiltration(216°)		2013	0145-0428				
Easement	Easement between Petersburg and Marine	SW0922	NN1-4-7	8.5	NN1-4-6	8.6	335	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	6					6	0	Line in good condition, No defects observed		2013	0145-0428				
Easement	Easement between Spindler and Elsmere	SW0923	NN1-9-1	11	NN1-9		359	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	9					9	0	Line in good condition, No defects observed		2013	0145-0428				
Easement	Easement between Spindler and Elsmere	SW0924	NN1-9-2	10.8	NN1-9-1	11	63	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	2					2	0	Line in good condition, No defects observed		2013	0145-0428				
Easement	Easement East of Johnston	SW0925	NN1-9-3	9.8	NN1-9-2	10.8	126	24	VCP	0.8	0.5	0.5	1.8	1	1.8	2					2	0	Line in good condition, No defects observed		2013	0145-0428				
Easement	Easement between Raven and Johnston	SW0926	NN1-7-4	9.8	NN1-7-3	11	326	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	8					8	0	Line in good condition, No defects observed		2013	0145-0428				
Easement	Easement between Raven and Johnston	SW0927	NN1-7-5	9.9	NN1-7-4		249	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	2	2				4	0	Line in fair condition, Lt Roots in lat(60°, 62°)		2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement South of Stephens	SW0929	NN1-10		NN1-11A		123	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	0					0	3	Line in fair condition, LH2S damage T/O, New MH found-NNN-11A		2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement between Kelly and Petersburg	SW0930	NN4-8		NN4-7		251	27	CIPP	0.8	0.5	0.5	1.8	1	1.8	4	1				5	7	Line in fair condition, LMID in lat(57°), LI Roots at joints(73°,102°), Med MD at joint(230°)		2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement between Rosalind and Tepper	SW0931	NN12-1-6	10.9	NN12-1-5	11	371	18	VCP	0.6	0.5	0.5	1.6	1	1.6	8	7	1	1	17	3	Line in fair/poor condition, LI Roots in leap(6°, 43°, 104°, 186°, 204°), Med OS in lat(45°), LMID in lat(279°), LI Roots at joints T/O, Multi Fracture T/O Roots at points(0°,22°), Survey Abandoned(22°) Hwy Roots, Reverse Set-up, Line in fair condition, Pro len(148°), Long Fracture(186°, 204°), Multi Fracture(53°-186°, 211-347°), LI Roots at joints T/O, Survey(148°, 211-347°), Multi Fracture(186°, 204°)		2013	0145-0428	FCIPP in 2016 (0145-0481)				
Easement	Easement between Tepper and Roxana	SW0932	NN9-1-6	9.3	NN9-1-5	8.3	368	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	12		1			13	4	Roots at points(0°,22°), Survey Abandoned(22°) Hwy Roots, Reverse Set-up, Line in fair condition, Pro len(148°), Long Fracture(186°, 204°), Multi Fracture(53°-186°, 211-347°), LI Roots at joints T/O, Survey(148°, 211-347°), Multi Fracture(186°, 204°)		2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement between Almond and Kelly	SW0934	NN7-1-6	9.6	NN7-1-5	8.9	213	24	VCP	0.8	0.5	0.5	1.8	1	1.8	5	3				8	3	Line in fair condition, LI Roots in lat(59°, 73°, 103°), Mult. Fracture(0°-13°, 185-213°), Deformed(8°-25°, 82-126°), Broken(200°, 210°)		2013	0145-0428	FCIPP in 2016 (0145-0481)			
Easement	Easement between Almond and Kelly	SW0935	NN7-7	9.9	NN7-6	9.2	205	27	RCP	0.8	0.5	0.5	1.8	1	1.8	4	1	1	1		7	0	Line in fair condition, LI Roots in lat(4°), Pro lat(8°), LI MD in lat(191°)		2013	0145-0428			SCIPP (29°-33°)	
Street	Schroeder Ave.	SW0936	*NN16-8	13.3	*NN16-7	14.4	356	27	RCP	0.8	0.5	1	2.3	1	2.3	8		2		10	4	Pro lat(12°, 130°), Med H2S damage T/O			2007	0145-0320				
Easement	Easement between Schroeder and Witmot	SW0937	NN12-5-7	10.9	NN12-5-6	11.2	373	15	VCP	0.6	0.5	0.5	1.6	1	1.6	14					14	7	Line in fair/poor condition, Multi Fracture(18°-67°, 99°-189°, 202-272°, 297-321°), Broken pipe(371°)			2013	0145-0428	FCIPP in 2016 (0145-0481)		
Easement	Easement between Lexington and Rosalind	SW0939	NN12-7	13.2	NN12-6	12.2	373	27	VCP	0.8	0.5	0.5	1.8	1	1.8	9	6				15	7	Line in fair condition, LI Roots in lat(96°, 138°, 179°, 220°, 306°, 310°), LI Roots at joints T/O			2013	0145-0428			
Street	Johnston Ave	SW0940	NN1-8-3	8	NN1-8-4	7.8	36	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Line in fair condition, LI MD at joints(17°, 23°, 26°, 29°), Long Fracture(28°), Circ. Fracture(29°)			2013	0145-0428				
Side Yard	Easement East of Johnston	SW0941	NN1-8-3	8	NN1-8-2	10.5	115	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1				1	1	Line in fair condition, LI MD at joints(57°, 60°)			2013	0145-0428				
Easement	Easement East of Johnston	SW0942	NN1-8-2	10.5	NN1-8-1	9.6	36	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	1				1	0	Line in good condition, No defects observed			2013	0145-0428				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural P/ACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	Easement between Biscayne and Elsmere	SW0943	NN1-8-1	9.8	NN1-8	8.5	329	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	6	3				9	0	Line in fair condition, LI Roots in lat(189°), Med Roots in lat(205°, 229°)		2013	0145-0428			
Easement	Easement East of Johnston	SW0944	NN1-9-2A	8	NN1-9-2	8.9	130	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	1					1	0	Line in good condition, No defects observed		2013	0145-0428		SCIPP (297°-347°)	
Easement	Easement between Marine and Raven	SW0945	NN1-6-5	10	NN1-6-4	10.2	344	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	9					9	0	Line in good condition, No defects observed		2013	0145-0428	2016	0145-0481	FCIPP
Easement	Easement between Marine and Raven	SW0946	NN1-6-6	8.4	NN1-6-5	10	344	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	9	1				10	1	Line in fair condition, LI Roots in lat(191°)		2013	0145-0428	2016	0145-0481	FCIPP
Easement	Easement between Raven and Johnston	SW0947	NN1-7-3	11	NN1-7-2		353	24	VCP	0.8	0.5	0.5	1.8	3	5.4	9					9	3	Line in fair condition, LI MD at select joints T/O, Long. Fracture(162°), Mult. Fracture(312°-353°)		2013	0145-0428			
Easement	Easement between Rosalind and Tepper	SW0948	NN12-1-5	11	NN12-1-4	10.4	449	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	6	7	1	4	18	4	Line in fair/poor condition, LI Roots in lat(76°, 119°, 239°, 276°, 314°, 421°, 428°), Med OS in lat(13°, 153°, 198°), Pro lat(356°), Large OS in lat(275°), LI Roots at joints T/O, Mult. Fractures and deformation		2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement between Tepper and Roxana	SW0949	NN9-1-5	8.3	NN9-1-4	7.9	448	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	10	4		1	15	8	Line in fair condition, LI Roots in lat(97°, 68°, 113°), LI to Hy Roots at joints T/O, Mult. Fracture(24°-120°), Survey Abandoned(120°)-Heavy Roots, Reverse Set-up, Line in fair condition, LI to Hy Roots at joints T/O, Mult. Fracture(8°-17°, 98°-151°)		2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement between Almond and Kelly	SW0950	NN7-6	9.2	NN7-5	11.4	458	27	RCP	0.8	0.5	0.5	1.8	1	1.8	12	2	1			15	0	Line in fair condition, LI Roots in lat(122°, 204°), LI MD in lat(307°), LI Roots at select joints T/O		2013	0145-0428			
Street	Schroeder Ave.	SW0951	*NN16-7	14.4	*NN16-6	13.5	293	27	RCP	0.8	0.5	1	2.3	1	2.3	7				7	9	Med H2S damage T/O		2007	0145-0320				
Easement	Easement between Schroeder and Wilmot	SW0953	NN12-5-6	11.2	NN12-5-5	12	297	21	VCP	0.6	0.5	0.5	1.6	1	1.6	5			1	6	10	Line in fair condition, Large OS in lat(238°), Mult. Fractures(23°, 27°-49°, 116°-133°, 177°-297°)		2013	0145-0428	FCIPP in 2016 (0145-0481)			
Easement	Easement between Dijon and Biscayne	SW0954	NN1-6-4	10.2	NN1-7-2-1		148	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	0				0	0	Line in fair condition, Long. Fracture(12°-47°), Long. Crack(69°-82°)		2013	0145-0428	2016	0145-0481	FCIPP	
Side Yard	Easement North of Biscayne	SW0955	NN1-8-1A	7.3	NN1-8-1	9.8	134	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	1				1	0	Line in good condition, No defects observed		2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement between Petersburg and Marine	SW0956	NN1-4-6	8.6	NN1-4-5		378	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	5	3			8	0	Line in fair condition, Hy Roots in lat(217°, 240°), LI Roots in lat(306°)		2013	0145-0428				
Easement	Easement between Tepper and Roxana	SW0957	NN9-1-4	7.9	NN9-1-3	9.3	470	24	VCP	0.8	0.5	0.5	1.8	1	1.8	17	3			20	2	Line in fair/poor condition, LI Roots in lat(211°, 250°), Med Roots in lat(249°), LI to Med Roots at joints T/O, Mult. Fracture(9°-47°), Deformed(202°, 314°), Broken(459°)		2013	0145-0428	FCIPP in 2016 (0145-0481)			
Easement	Easement between Almond and Kelly	SW0958	NN7-1-5	8.9	NN7-1-4	10.7	451	24	VCP	0.8	0.5	0.5	1.8	1	1.8	12	7		1	20	10	Line in fair condition, Hy Roots in lat(117°), LI Roots in lat(128°, 157°, 177°, 232°, 271°, 357°), Broken pipe in lat(234°), Long. Fracture(0°-89°, 123°-142°, 153°-282°, 348°-481°), Deformed(190°-216°, 361°-451°)		2013	0145-0428	FCIPP in 2016 (0145-0481)			
Easement	Easement between Roxana and Almond	SW0959	NN9-6	8.7	NN9-5	10.2	454	27	CIPP	0.8	0.5	0.5	1.8	1	1.8	0			0	19	Line in fair condition, LI Roots at joints T/O		2013	0145-0428	2016	0145-0481	FCIPP		
Easement	Easement between Roxana and Almond	SW0960	NN9-5	10.2	NN9-4	10	472	27	CIPP	0.8	0.5	0.5	1.8	1	1.8	18	1	1	1	21	13	Line in fair condition, LI MD in lat(50°), LI Roots in lat(89°), Pro lat(210°), LI Roots at joints T/O, Surface reinforcement(121°-129°, 162°-219°, 246°-412°)		2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement between Almond and Kelly	SW0961	NN7-1-4	10.7	NN7-1-3	10.4	469	27	RCP	0.8	0.5	0.5	1.8	1	1.8	12	7			19	7	Line in fair condition, LI Roots in lat(40°, 80°, 202°, 334°), Hy Roots in lat(161°), Med Roots in lat(243°), LI Roots at select joints T/O, Repair patch(321°), Med OS in manhole(452°)		2013	0145-0428	2016	0145-0480	OCR (6°-18°)	
Street	Schroeder Ave.	SW0962	*NN16-6	13.5	*NN16-5	14.2	156	27	RCP	0.8	0.5	1	2.3	1	2.3	4		1		5	6	Pro lat(150°), Med H2S damage T/O		2007	0145-0320				
Easement	Easement East of Schroeder and South of Semrau	SW0963	NN16-6	9.5	NN12-5-5	10.6	144	12	VCP	0.5	0.5	0.5	1.5	3	4.5	1			1	2	Line in fair condition, Mult. Fractures(8°-12°, 26°-34°, 141°)		2013	0145-0428	2012	0145-0358	OCR (1°-2°)		
Street	Wilmot South of Semrau	SW0964	NN12-5-4A	9.5	NN12-5-4	9.9	43	12	VCP	0.5	0.5	1	2	3	6	0			0	0	Line in fair condition, Mult. fracture(21°)		2013	0145-0428					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural P/AC Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	Easement South of Semrau	SW0965	NN12-5-5	12	NN12-5-4	10.9	160	21	VCP	0.6	0.5	0.5	1.6	1	1.6	2	1				3	3	Line in fair condition. Hole in mainline at lat(9'), Lt Roots in lat(54'), Mult Crack(47'-69')		2013	0145-0428	OCR in 2016 (0145-0480)				
Easement	Easement South of Semrau	SW0966	NN12-5-3	13.5	NN12-5-2	12	173	27	CIPP	0.8	0.5	0.5	1.8	1	1.8	3					3	20	Line in good condition. No defects observed		2013	0145-0428	2016	0145-0480, 0145-0481	SCIPP (27'-30', 37'-47'), FCIPP		
Street	Lexington	SW0967	NN12-5-2	21	NN12-5-1	12	152	27	CIPP	0.8	0.5	1	2.3	1	2.3	2	1				3	3	Line in fair condition. Lt Roots in lat(91'), Lt Roots at joint(135')		2013	0145-0428	2016	0145-0481	FCIPP		
Side Yard	Easement South of Lexington	SW0968	NN12-5-1	12	NN12-5	13.4	151	27	RCP	0.8	0.5	0.5	1.8	1	1.8	0					0	2	Line in fair condition. Lt Roots at joints T/O		2013	0145-0428					
Easement	Easement between Norton and Dijon	SW0969	NN1-6-2A	8.9	NN1-6-1	9	200	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4					4	7	Line in fair condition. Mult. Fracture(31'-51', 59'-147', 173'-200'). Deformed(73'-147')/Broken pipe around lat(168'). Lt Roots at select joints T/O		2013	0145-0428	FCIPP in 2016 (0145-0481)				
Easement	Easement East of Norton	SW0970	NN1-6-3	9.9	NN1-6-2	9.3	32	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Line in poor condition. Lt to Med Roots T/O. Mult. Fracture(8'-32')		2013	0145-0428	2016	0145-0481	FCIPP		
Easement	Easement East of Norton	SW0971	NN1-6-3A		NN1-6-3	10.9	17	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	0	1				1	0	Survey abandoned(17")-Liner turned into bulkhead could not find Upstream MH NN1-6-3A		2013	0145-0428					
Easement	Easement between Marine and Raven	SW0972	NN1-6-4	10.2	NN1-6-4A		21	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Line in good condition. No defects observed		2013	0145-0428	2016	0145-0481	FCIPP		
Easement	Easement between Dijon and Norton	SW0973	NN1-6-1	9	NN1-6	9.3	323	18	VCP	0.6	0.5	0.5	1.6	1	1.6	4	1	3			8	10	Line in fair/poor condition. Pro lat(49', 95', 121'). Mult. Fracture(3'-229'). Deformed(35'-211'). Broken pipe(96'). Circ. Fracture(321')		2013	0145-0428	FCIPP in 2016 (0145-0481)				
Easement	Easement between Petersburg and Marine	SW0974	NN1-4-5		NN1-4-4		385	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	5	2			1	8	0	Line in fair condition. Lt Roots in lat(143', 189'). Broken pipe in lat(241')		2013	0145-0428					
Easement	Easement between Rosalind and Tepper	SW0975	NN12-1-4	10.4	NN12-1-3	10.9	473	24	VCP	0.8	0.5	0.5	1.8	1	1.8	13	6			1	20	5	Line in fair condition. Lt Roots in lat(95', 168', 200', 282', 327'). Hy Roots in lat(329'). Small OS in lat(370'). Mult. Fracture(13'-asa221', 249'-259', 272', 342', 351'). Lt Roots at select joints T/O		2013	0145-0428	FCIPP in 2016 (0145-0481)				
Easement	Easement between Norton and Holbrook	SW0976	NN1-4-2	10.9	NN1-4-1A	11	370	27	CIPP	0.8	0.5	0.5	1.8	1	1.8	10					10	0	Line in fair condition. Lt Roots at select joints T/O		2013	0145-0428	2016	0145-0480, 0145-0481	OCR (110'-116'). FCIPP		
Easement	Easement between Norton and Holbrook	SW0977	NN1-4-3	11.3	NN1-4-2	10.9	62	27	RCP	0.8	0.5	0.5	1.8	1	1.8	1					1	0	Line in fair condition. Lt Roots at joint(21')		2013	0145-0428					
Easement	Easement between Petersburg and Marine	SW0978	NN1-4-4		NN1-4-3		150	27	RCP	0.8	0.5	0.5	1.8	1	1.8	1					1	0	Line in fair condition. Lt Roots at joint(20'). Lt MD at joint with Lt infiltration(146')		2013	0145-0428					
Easement	Easement between Petersburg and Marine	SW0979	NN1-4-3A	5.5	NN1-4-3		116	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2					2	0	Line in fair condition. Long. Fracture(4'). Mult. Fracture(17'-24', 79'-85', 112'). Lt Roots at joints T/O. Long pipe with 1 pipe diameter(115')		2013	0145-0428	FCIPP in 2016 (0145-0481)				
Easement	Easement between Rosalind and Tepper	SW0980	NN12-1-3	10.9	NN12-1-2	12	420	27	CIPP	0.8	0.5	0.5	1.8	1	1.8	13	5	1			19	5	Survey Abandoned(84')-Rod ball at joint. Reverse Set-up. Line in fair condition. Pro lat(183'). Hy Roots in lat(259', 301'). Lt Roots in lat(299'). Lt Roots at select joints T/O. Survey abandoned(350')		2013	0145-0428	2016	0145-0480, 0145-0481	OCR (256'-266'). FCIPP		
Easement	Easement between Tepper and Roxana	SW0981	NN9-1-3	9.3	NN9-1-2	11	422	27	RCP	0.8	0.5	0.5	1.8	1	1.8	15	2				17	5	Line in fair condition. Lt Roots in lat(82', 84'). Lt Roots at select joints T/O		2013	0145-0428					
Street	Holbrook West of Petersburg	SW0982	NN1-4-3B	4.5	NN1-4-3A	5.5	36	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Line in good condition. No defects observed		2013	0145-0428					
Street	Easement West of Lambrecht and South of 10 Mile Rd	SW0983	*NN16-10-2-15A		NN16-10-2-15	16.4	38	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Line Ok				2007	0145-0320			
Alley	Saxony Ave	SW0984	NN29-11-4-1	10.2	NN29-11-4	11.2	139	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	6	Line Ok				2007	0145-0320			
Street	Saxony Ave	SW0985	NN29-11-5	13	NN29-11-4	11.2	198	15	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line Ok				2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	10 Mile Rd	SW0986	NN29-11-5A	9.1	NN29-11-5	13	125	12	RCP	0.5	1	1	2.5	1	2.5	0	1					1	0	Lt MD in lat(44')		2007	0145-0320				
Street	10 Mile Rd	SW0987	NN29-11-6	11.7	NN29-11-5	13	309	12	RCP	0.5	1	1	2.5	1	2.5	1	1					2	2	Lt MD in lat(18')		2007	0145-0320				
Street	10 Mile Rd	SW0988	NN29-11-7	12.7	NN29-11-6	11.7	306	12	RCP	0.5	1	1	2.5	1	2.5	3						3	1	Lt MD @ joint(70')		2007	0145-0320				
Street	10 Mile Rd	SW0989	NN29-11-8	13	NN29-11-7	12.7	309	12	RCP	0.5	1	1	2.5	1	2.5	3						3	2	Lt MD @ joint(190')		2007	0145-0320				
Alley	Saxony Ave	SW0990	NN29-11-4A	13.2	NN29-11-4	11.2	82	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0						0	0	Line Ok		2007	0145-0320				
Street	Saxony Ave	SW0991	NN29-11-4	11.2	NN29-11-3	11.4	409	18	CIPP	0.6	0.5	1	2.1	1	2.1	19	2	1	2	24	0	Lt MD in lat(31'), Small OS in lat(113'), Lt Roots in lat(189, 191'), Large OS in lat(386')			2007	0145-0320					
Street	Saxony Ave	SW0992	NN29-11-3	11.4	NN29-11-2	12.8	391	21	VCP	0.6	0.5	1	2.1	1	2.1	13			1	5	19	0	Large OS in lat(58'), Small OS in lat(60, 98, 261, 340'), Pro lat(219), Lt Roots @ joints(170 to 196, 219 to 223')			2007	0145-0320				
Street	Saxony Ave	SW0993	NN29-11-2	12.8	NN29-11-1	12.4	335	24	VCP	0.8	0.5	1	2.3	1	2.3	9	2		1	5	1	18	0	Lt Roots @ joints(92' to 39', 239 to 270), Lt Roots in lat(100, 117), Small OS in lat(185, 310), Large OS in lat(76, 199), Hole in pipe in lat(157')			2007	0145-0320			
Street	Dwight Ave	SW0994	NN29-13-2-4	10.5	NN29-13-2-3	10.8	98	12	VCP	0.5	0.5	1	2	1	2	0	1				1	0	Lt MD in lat(87'), Lt MD @ joints(83', 92')			2007	0145-0320				
Street	Dwight Ave	SW0995	NN29-13-2-4A	9.3	NN29-13-2-4	10.5	111	12	VCP	0.5	0.5	1	2	1	2	1	3	1			5	0	Lt MD in lat(70, 97, 100'), Pro lat(106), Survey Abandoned(111) - Hwy MD in manhole			2007	0145-0320				
Street	Dwight Ave	SW0996	NN29-13-2-5	9.8	NN29-13-2-4	10.5	96	12	CIPP	0.5	0.5	1	2	1	2	1			1			2	1				2007	0145-0320	2012	0145-0356	FCIPP
Side Yard	Dwight Ave	SW0997	NN29-13-2-6	11.2	NN29-13-2-5	9.8	172	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Line Ok				2007	0145-0320			
Street	Adlai Ave	SW0998	NN29-13-12	8.2	NN29-13-11	8.4	64	12	VCP	0.5	0.5	1	2	1	2	2			2		4	1	Pro lats(10', 25'), Long, Crack(54')				2007	0145-0320			
Street	Adlai Ave	SW0999	NN29-13-11	8.4	NN29-13-10	8.8	90	12	CIPP	0.5	0.5	1	2	1	2	2					2	1				2007	0145-0320	2012	0145-0356	FCIPP	
Street	Adlai Ave	SW1000	NN29-13-10	8.8	NN29-13-9	9.4	95	12	VCP	0.5	0.5	1	2	1	2	2			2		4	0				2007	0145-0320	2012	0145-0358	OCR (84'-92')	
Street	Adlai Ave	SW1001	NN29-13-9	9.4	NN29-13-8	9.6	297	15	VCP	0.6	0.5	1	2.1	1	2.1	10					10	0	Line Ok			2007	0145-0320				
Street	Adlai Ave	SW1002	NN29-13-8	9.6	NN29-13-7	9.1	197	15	VCP	0.6	0.5	1	2.1	1	2.1	6		1		7	0	Pro lat(101')				2007	0145-0320				
Street	Adlai Ave	SW1003	NN29-13-7	9.1	NN29-13-6	10.3	95	18	VCP	0.6	0.5	1	2.1	1	2.1	3					3	0	Line Ok			2007	0145-0320				
Street	Adlai Ave	SW1004	NN29-13-5A	9.2	NN29-13-5	10.6	133	12	CIPP	0.5	0.5	1	2	1	2	4	1	1	1		6	2				2007	0145-0320	2012	0145-0356	FCIPP	
Street	Adlai Ave	SW1005	NN29-13-6	10.3	NN29-13-5	10.6	95	18	VCP	0.6	0.5	1	2.1	1	2.1	3					3	1	Cable in sewer(35' to 87')			2007	0145-0320				
Street	Adlai Ave	SW1006	NN29-13-5	10.6	NN29-13-4	11.6	99	18	VCP	0.6	0.5	1	2.1	1	2.1	1	1	1		2	0	Lt MD in lat(71')				2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehabi/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped							
Street	Adlai Ave	SW1007	NN29-13-4	11.6	NN29-13-3	11.8	94	21	RCP	0.6	0.5	1	2.1	1	2.1	3					3	0	Video very dark, Line OK		2007	0145-0320				
Street	Adlai Ave	SW1008	NN29-13-3	11.8	NN29-13-2	11.2	120	21	RCP	0.6	0.5	1	2.1	1	2.1	2					2	0	Video very dark, Line OK		2007	0145-0320				
Street	Forest Ave	SW1009	NN29-9-0A		NN29-9-0	13	179	21	VCP	0.6	0.5	1	2.1	1	2.1	3			2	2	7	0	Small OS in lat(16', 36'), Pro lat(84', 86')			2007	0145-0320			
Street	Forest Ave	SW1010	NN29-9-0	13	NN29-9	18	395	21	VCP	0.6	0.5	1	2.1	1	2.1	4		2	3	9	18	0	Pro lat(7', 29', 47'), Small OS in lat(39', 53', 103', 168', 202', 254', 355'), Lt MD in lat(237', 347'), Med OS w/ broke pipe in lat(104', 156')			2007	0145-0320			
Street	Wilson Ave	SW1011	NN29-8-2	13.4	NN29-8-1	13.7	408	24	VCP	0.8	0.5	1	2.3	3	6.9	8	1	2	12	23	0	Lt MD in lat(47'), Small OS in lat(93', 95', 143', 193', 242', 245', 343', 345', 390'), Pro lat(149', 292'), Large OS in lat(295', 297', 392'), Mult. Cracks(204', 246')			2007	0145-0320				
Street	Wilson Ave	SW1012	NN29-8-1	13.7	NN29-8	19.2	409	24	VCP	0.8	0.5	1	2.3	1	2.3	10	3	4	3	1	21	0	Large OS in lat(33', 146'), Pro lat(34', 85', 149', 198'), Small OS in lat(249', 347'), Broken pipe in lat(198'), Lt MD in lat(249', 296', 347'), Long. Cracks(337', 380')			2007	0145-0320			
Street	Lambrecht Ave	SW1013	NN16-10-2-15	16.4	NN29-9-1-5	9	381	12	VCP	0.5	0.5	1	2	3	6	5	1	7	1	14	13	0	Small OS joint in lat(20'), Lt Roots in lat(154', 200'), Roots @ joints and Mult. Cracks for first half of run			2007	0145-0320			
Street	Lambrecht Ave	SW1014	NN29-9-1-5	9	NN29-9-1-4	11.3	402	15	VCP	0.6	0.5	1	2.1	1	2.1	9	4	2	3	18	5	0	Pro lat(87', 371'), Hwy Roots in lat(145', 169', 212', 247'), Small OS in lat(296', 327', 331'), Long. Cracks(7')			2007	0145-0320			
Street	Lambrecht Ave	SW1015	NN29-9-1-4	11.3	NN29-9-1-3	12.2	374	18	VCP	0.6	0.5	1	2.1	1	2.1	6	4	3	7	20	0	Pro lat(45', 241', 337'), Small OS in lat(65', 101', 105', 215', 237', 370'), Lt Roots in lat(132', 153'), Hwy Roots in lat(296', 333'), Large OS in lat(300')			2007	0145-0320				
Street	Lambrecht Ave	SW1016	NN29-9-1-3	12.2	NN29-9-1-2	13.6	373	18	VCP	0.6	0.5	1	2.1	1	2.1	8	2	3	11	24	0	Large OS in lat(7', 205', 285'), Small OS in lat(37', 41', 87', 122', 305', 319', 359', 369), Pro lat(56', 164', 280'), Lt Roots in lat(93'), Hwy Roots in lat(161')			2007	0145-0320				
Street	Lambrecht Ave	SW1017	*NN29-9-1-1A	14.3	NN29-9-1	15.6	179	21	VCP	0.6	0.5	1	2.1	1	2.1	4	1	1	3	9	0	Small OS in lat(34', 70', 107'), Lt Roots in lat(66'), Pro lat(151')			2007	0145-0320				
Street	Lambrecht Ave	SW1018	NN29-9-1-1	15.6	NN29-9-1	18.6	20	21	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line Ok			2007	0145-0320			
Street	Forest Ave	SW1019	NN29-9-1	18.6	NN29-9	18	150	54	HDPE	1	0.5	1	2.5	1	2.5	0					0	0				2007	0145-0320	2012	0145-0358	Burst
Alley	Easement just North of Stephens	SW1020	*NN16-10-14A	16.8	NN16-10-14	17.2	152	27	RCP	0.8	0.5	0.5	1.8	1	1.8	4	2	2			6	0	Lt MD in lat(29', 68')			2007	0145-0320			
Alley	Easement just North of Stephens	SW1023	NN16-10-14	17.2	NN16-10-13	15.9	286	27	RCP	0.8	0.5	0.5	1.8	1	1.8	11	1			12	1	0	Lt MD in lat(219'), Lt MD @ joints T/O			2007	0145-0320			
Street	Brittany Ave	SW1024	NN16-10-13	15.9	NN29-9-3A		170	15	VCP	0.6	0.5	1	2.1	1	2.1	3		1	2	1	7	0	Lt MD in lat(165', 204'), Pro lat w/ Lt Roots(284')			2007	0145-0320			
Field	Easement just North of Stephens	SW1025	NN16-10-12	15.4	NN16-10-11	16	176	27	RCP	0.8	0.5	0.5	1.8	1	1.8	4					4	2	Line Ok			2007	0145-0320			
Easement	Easement between Kelly and Petersburg	SW1026	NN1-7-12-3	13.3	NN1-7-12-2	14.3	302	15	VCP	0.6	0.5	0.5	1.6	1	1.6	3	7	2			12	0	Lt Roots in lat(105', 125', 145', 165', 185', 215'), Lt MD in lat(171', 221'), Hwy Roots in lat(283', 287'), Long. Fracture(11', 24', 126', 139', 173', 200'), Mult. Fracture(40', 87', 254', 275', 294', 297'), Broken roots(100')			2013	0145-0428	2016	0145-0481	SCIPP (235-242')
Street	Kelly South of Forest	SW1027	E6-19	13.2	E6-18		268	18	RCP	0.6	1	1	2.6	1	2.6	0					0	0	Line in good condition, No defects observed			2013	0145-0428			
Easement	Easement North of Stephens between Tepper and Roxana	SW1028	NN1-7-20-1A	9.5	NN1-7-20-1	11.7	211	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	0	2				2	0	Line in fair condition, Med Roots in lat(43', 104')			2013	0145-0428			
Easement	TEMPERT EASEMENT BETWEEN STEPHENS AND FOREST	SW1029	NN1-7-20-2	12.2	NN1-7-20-1	12.6	73	10	RCP	0.5	0.5	0.5	1.5	1	1.5	1	2				3		Line in good condition			2011-2012	0145-0392			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehabi/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	TEMPERT EASEMENT BETWEEN STEPHENS AND FOREST	SW1030	NN1-7-20-3	11.9	NN1-7-20-2	12.2	300	10	RCP	0.5	0.5	0.5	1.5	1	1.5	7	2	1	2	12					2011-2012	0145-0392					
Easement	Easement between Rosalind and Tepper	SW1031	NN1-7-26	14.9	NN1-7-25	15.1	307	10	VCP	0.5	0.5	0.5	1.5	1	1.5	6	1		3	1	11	0				2013	0145-0428	2016	0145-0481	SCIPP (121'-147')	
Easement	Easement South of Forest and East of Roxana	SW1032	NN1-7-17-2	13.3	NN1-7-17-1	14	286	12	PVC	0.5	0.5	0.5	1.5	1	1.5	7					7	0				2013	0145-0428	2016	0145-0481	SCIPP (87'-90')	
Easement	Easement West of Courtland	SW1033	NN1-7-17-2-1B	10	NN1-7-17-2-1	11.5	82	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2				1	3	0					2013	0145-0428			
Easement	Easement West of Courtland	SW1034	NN1-7-17-1-1	12.7	NN1-7-17-1	14	215	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2	3				5	0				2013	0145-0428	SCIPP in 2016 (0145-0481)			
Easement	Easement between Rosalind and Tepper	SW1035	NN1-7-25	15.3	NN1-7-24	15.6	139	12	RCP	0.5	0.5	0.5	1.5	2	3	0			1	1	0					2013	0145-0428				
Street	Rosalind Ave	SW1036	NN1-7-24	15.8	NN1-7-23	15.2	86	12	CIPP	0.5	0.5	1	2	1	2	0					0	0				2013	0145-0428	2016	0145-0480, 0145-0481	OCR (322'-335'), FCIPP	
Easement	Easement West of Roxana and South of Forest	SW1037	NN1-7-18-2	13.3	NN1-7-18-1	15.9	376	12	VCP	0.5	0.5	0.5	1.5	2	3	9		1	2	12	0					2013	0145-0428				
Easement	Easement between Lexington and Rosalind	SW1038	NN16-10-6-1	15.3	NN16-10-6	17.2	475	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	5			13	4	22	0					2013	0145-0428	2016	0145-0481	SCIPP (112'-116')
Easement	Easement between Wilmot and Lexington	SW1039	NN16-10-4-1	15.1	NN16-10-4	17.3	473	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	1	2	1	17	1	22	0					2013	0145-0428	2016	0145-0480, 0145-0481	OCR (54'-62'), FCIPP
Field	Easement just North of Stephens	SW1040	NN16-10-11	16	NN16-10	17	164	27	RCP	0.8	0.5	0.5	1.8	1	1.8	4	2				6	0				2007	0145-0320				
Easement	Stephens Easement between Schroeder and Wilmot	SW1041	NN16-10	15.6	NN16-10-2	17.8	151	27	CIPP	0.8	0.5	0.5	1.8	1	1.8	2	1				3	3				2013	0145-0428	2016	0145-0481	FCIPP	
Street	Tuscany Ave	SW1043	NN16-10-2-14	12.5	*NN29-9-2-5A	8.7	122	12	VCP	0.5	0.5	1	2	1	2	2					2	4				2007	0145-0320				
Street	Brittany Ave	SW1044	NN16-10-2-13	13.3	*NN29-9-3-5A	7.3	54	12	VCP	0.5	0.5	1	2	1	2	0					0	2				2007	0145-0320				
Alley	Easement just South of 10 Mile Rd	SW1045	NN16-10-2-12	10	NN16-10-2-11	12.4	133	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	1					1	0				2007	0145-0320				
Parking Lot	Easement just South of 10 Mile Rd	SW1046	NN16-10-2-11	12.4	NN16-10-2-10	13.5	143	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	1					1	0				2007	0145-0320				
Parking Lot	Easement just South of 10 Mile Rd	SW1047	NN16-10-2-10	13.5	NN16-10-2-9	14.7	142	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	0					0	0				2007	0145-0320				
Parking Lot	Easement just South of 10 Mile Rd	SW1048	NN16-10-2-9	14.7	NN16-10-2-8		225	21	VCP	0.6	0.5	0.5	1.6	1	1.6	5			3	8	0					2007	0145-0320				
Easement	Easement between Greenbrier and Beck	SW1049	NN16-1-3-6	10.8	NN16-1-3-7	10	117	10	VCP	0.5	0.5	0.5	1.5	3	4.5	3	2				5	0				2013	0145-0428				
Easement	Easement between Greenbrier and Beck	SW1050	NN16-1-3-8	10.4	NN16-1-3-7	10	127	10	VCP	0.5	0.5	0.5	1.5	1	1.5	3	2				5	3				2013	0145-0428	FCIPP in 2016 (0145-0481)			
Easement	Easement between Greenbrier and Beck	SW1051	NN16-1-3-9	9	NN16-1-3-8	10.4	188	10	VCP	0.5	0.5	0.5	1.5	1	1.5	0	5	1			1	7				2013	0145-0428	FCIPP in 2016 (0145-0481)			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Proruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	Easement between Willowby and Greenbrier	SW1052	NN1-16-6	10.4	NN1-16-7	10	46	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	2					2	0	Line in good condition, No defects observed		2013	0145-0428					
Easement	Easement between Willowby and Greenbrier	SW1053	NN1-16-7	10	NN1-16-8		74	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	0	2		1		3	0	Line in fair condition, Large OS in lat(18'), Lt Roots in lat(52', 67'), Point Repair(55-57')		2013	0145-0428					
Easement	Easement between Willowby and Greenbrier	SW1054	NN1-16-8		NN1-16-9		26	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	0	1					1	0	Line in fair condition, Lt Roots in lat(21')		2013	0145-0428				
Easement	Easement between Ridgecroft and Willowby	SW1055	NN1-17-6	10.5	NN1-17-7	10.1	42	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	2					2	0	Line in good condition, No defects observed		2013	0145-0428	2016	0145-0481	SCIPP (110'-120')		
Easement	Easement between Ridgecroft and Willowby	SW1056	NN1-17-7	10.1	NN1-17-8	10	61	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	3					3	0	Line in good condition, No defects observed		2013	0145-0428					
Easement	Easement between Ridgecroft and Willowby	SW1057	NN1-17-8	10	NN1-17-9	9.3	30	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	1					1	1	Line in good condition, No defects observed		2013	0145-0428					
Easement	Easement between Mabray and Ridgecroft	SW1058	NN1-19-7	10.2	NN1-19-6	10.1	121	10	VCP	0.5	0.5	0.5	1.5	1	1.5	0	5	1	1		7	0	Line in fair condition, Med Roots in lats(5', 13', 22', 59', 71'), Hwy Roots in lat(31'), Tap Root(15'), Pro lat(114'), Mult Crack(12-120')		2013	0145-0428	SCIPP in 2016 (0145-0481)				
Easement	Easement between Mabray and Ridgecroft	SW1059	NN1-19-8	10	NN1-19-7	10.2	117	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	2	2				4	0	Line in fair condition, Lt Roots in lat(68', 92')		2013	0145-0428	2016	0145-0480	OCR (111'-118')		
Easement	Easement between Mabray and Ridgecroft	SW1060	NN1-19-9	9.1	NN1-19-8	10	186	10	VCP	0.5	0.5	0.5	1.5	1	1.5	5	2				7	2	Line in fair condition, Lt Roots in lat(170', 173'), Circ. Crack(1'), Lt MD and Lt Roots at select joints T/O		2013	0145-0428	2016	0145-0481	SCIPP (31'-35')		
Easement	Easement between 10 Mile and Mabray	SW1061	NN1-29	8.5	NN1-28	10.1	297	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	13	1	1			15	0	Line in fair condition, Lt Roots in lat(15'), Lt MD in lat(46'), Grease Deposits(18', 74', 96', 221-227', 240' 297')		2013	0145-0428	2016	0145-0481	FCIPP		
Easement	Easement between 10 Mile and Beck	SW1062	NN16-14-8		NN16-14-7		296	10		0.5	0.5	0.5	1.5	1	1.5	5		2	1			8	0	Line in fair condition, Lt Roots in lat(100'), Pro lat(40'), Survey Abandoned(140'), Lt MD at selected joints T/O		2013	0145-0428	2016	0145-0481	SCIPP (234'-259')	
Easement	Easement between 10 Mile and Beck	SW1063	NN16-14-9	8.4	NN16-14-8		316	10	VCP	0.5	0.5	0.5	1.5	1	1.5	9		5	1	1		16	0	Line in fair condition, Lt Roots in lat(70'), Lt MD in lat(124', 160', 216', 277', 289'), Pro lat(15), Circ. Fracture(32'), Lt MD at select joints T/O		2013	0145-0428	SCIPP in 2016 (0145-0481)			
Rear Yard	Easement East of Beck	SW1064	NN16-14-7	10.8	NN16-14-6	12.6	365	10	VCP	0.5	0.5	0.5	1.5	1	1.5	2	2				4	2	Line in fair condition, Lt Roots in lat(16', 252'), Lt Roots at select joints T/O, Mult. Fracture(9', 14', 34', 46', 54', 62', 74', 93', 117-128', 254-282', 307', 338')		2013	0145-0428	2016	0145-0481	SCIPP (57'-83')		
Rear Yard	Easement East of Beck	SW1065	NN16-14-6	12.6	NN16-14-5	13.9	354	10	VCP	0.5	0.5	0.5	1.5	3	4.5	4	2				7	0	Line in fair condition, Hwy Roots in lat(105', 154'), Lt MD at joints(34', 342'), Grease Deposits(70-158'), Mult. Fracture(241-264')		2013	0145-0428					
Rear Yard	Easement East of Beck	SW1066	NN16-14-5	13.9	NN16-14-4	14.8	302	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	3		1			4	1	Line in fair condition, Lt MD in lat(8'), Lt MD at selected joints T/O, Long. Crack(246')		2013	0145-0428	2016	0145-0481	FCIPP		
Easement	Easement between Mabray and Ridgecroft	SW1067	NN1-19-5	12	NN1-19-6	10.1	301	10	VCP	0.5	0.5	0.5	1.5	1	1.5	4	1		1	4	10	1	Line in fair condition, Pro lat(34'), Lt MD in lat(78'), Med OS in lat(124', 176', 183', 273'), Lt Roots in lat(223'), Lt Roots at joints(206-271'), Mult. Fracture(220-244')		2013	0145-0428	SCIPP in 2016 (0145-0481)				
Easement	Easement between Mabray and Ridgecroft	SW1068	NN1-19-5	12	NN1-19-4	13.7	326	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	4	1	3			8	1	Line in fair condition, Lt Roots in lat(28'), Lt MD in lat(170', 174', 280')		2013	0145-0428	2012	0145-0429	SCIPP (129'-149', 191-197')		
Easement	Easement between Ridgecroft and Willowby	SW1069	NN1-17-6	10.5	NN1-17-5	11	205	10	VCP	0.5	0.5	0.5	1.5	1	1.5	7					7	1	Line in fair condition, Circ. Fracture(4'), Mult. Fractures(45-76'), Lt MD at selected joints T/O, Lt Roots at joints(53-63')		2013	0145-0428	FCIPP in 2016 (0145-0481)				
Easement	Easement between Ridgecroft and Willowby	SW1070	NN1-17-5	11	NN1-17-4	11.9	261	10	VCP	0.5	0.5	0.5	1.5	1	1.5	2	1	1	2		6	0	Line in fair condition, Lt Roots in lat(111'), Lt MD in lat(114'), Med OS in lat(166', 216')		2013	0145-0428	2016	0145-0481	SCIPP (0'-7')		
Easement	Easement between Willowby and Greenbrier	SW1071	NN1-16-6	10.4	NN1-16-5	10.8	191	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	3	1	2			1	7	1	Line in fair condition, Lt MD in lat(22', 124'), Lt Roots in lat(72'), Broken pipe in lat(127')		2013	0145-0428	2016	0145-0481	SCIPP (84'-87', 314'-322')	
Easement	Easement between Willowby and Greenbrier	SW1072	NN1-16-5	10.8	NN1-16-4	11.5	260	10	VCP	0.5	0.5	0.5	1.5	1	1.5	5		1	1			7	0	Line in fair condition, Lt MD in lat(120'), Pro lat(255'), Lt MD at joints T/O, Med OS in mainline(257')		2013	0145-0428	2016	0145-0481	SCIPP (275-278')	

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	Easement between Greenbrier and Beck	SW1073	NN16-1-3-6	10.8	NN16-1-3-5	12.4	322	10	VCP	0.5	0.5	0.5	1.5	3	4.5	11					11	1	Line in fair condition, Circ. Fracture(2'), Lt MD at select joints T/O		2013	0145-0428			
Easement	Easement between Greenbrier and Beck	SW1074	NN16-1-3-5	12.4	NN16-1-3-4	13.8	327	10	VCP	0.5	0.5	0.5	1.5	1	1.5	9	1				10	0	Line in fair condition, Long Crack(35', 40', 87'), Long Fracture(32'), Lt MD at selected joints T/O		2013	0145-0428	2016	0145-0481	SCIPP (8'-14')
Rear Yard	Easement East of Beck	SW1075	NN16-1-4-4	14.8	NN16-1-4-3	15.4	320	12	VCP	0.5	0.5	0.5	1.5	2	3	6			1	7	0	Line in fair condition, Med OS in lat(256'), Lt MD at joints T/O, Long. Crack(14'), Circ. Fracture(277'), Med OS in manhole(314')		2013	0145-0428				
Easement	Easement between Greenbrier and Beck	SW1076	NN16-1-3-4	13.8	NN16-1-3-3	14.7	302	10	VCP	0.5	0.5	0.5	1.5	1	1.5	11	1				12	0	Line in fair condition, Lt MD in lat(165'), Lt MD at joints T/O		2013	0145-0428			
Easement	Easement between Willowby and Greenbrier	SW1077	NN1-16-4	11.5	NN1-16-3	12.5	301	10	VCP	0.5	0.5	0.5	1.5	1	1.5	6	2		2	2	12	2	Line in fair condition, Lt Roots in lat(69', 107'), Pro lat(107', 196'), Collected and broken pipe(159', 204), Long. Crack(107')		2013	0145-0428	SCIPP in 2016 (0145-0481)		
Easement	Easement between Ridgecroft and Willowby	SW1078	NN1-17-4	11.9	NN1-17-3		300	10	VCP	0.5	0.5	0.5	1.5	1	1.5	8	1		3	12	0	Line in fair condition, Large OS in lat(33'), Med OS in lat(53'), Lt MD in lat(102'), Long. Crack(175'), Lt MD at joints T/O		2013	0145-0428				
Easement	Easement between Mabray and Ridgecroft	SW1079	NN1-19-4	13.7	NN1-19-3	14.3	297	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	12					12	0	Line in good condition, No defects observed		2013	0145-0428			
Easement	Easement between Johnston and Mabray	SW1080	NN1-27A	10.4	NN1-27	11.2	91	10	VCP	0.5	0.5	0.5	1.5	1	1.5	3					3	1	Line in good condition, No defects observed		2013	0145-0428			
Easement	Easement between 10 Mile and Mabray	SW1081	NN1-28	10.1	NN1-27	10.9	307	10	VCP	0.5	0.5	0.5	1.5	1	1.5	1	2	1			4	0	Line in fair condition, Lt MD in lat(12'), Lt Roots in lat(48', 190'), Hvy Roots and prolat(104'), Med Roots in lat(110'), Circ. Crack(261')		2013	0145-0428			
Easement	Easement between Johnston and Mabray	SW1082	NN1-27	11.2	NN1-26	12.7	260	10	VCP	0.5	0.5	0.5	1.5	1	1.5	6	1	1		8	5	Line in fair condition, Pro lat(124'), Lt Roots in lat(254'), Long. Crack(203', 254')		2013	0145-0428				
Easement	Easement between Johnston and Mabray	SW1083	NN1-26	12.7	NN1-25	13.8	350	10	VCP	0.5	0.5	0.5	1.5	1	1.5	9	2		5	1	17	1	Line in fair condition, Pro lat(5', 50', 57', 106', 316'), Med OS in lat(194'), Lt Roots in lat(207', 246'), Circ. Fracture(50')		2013	0145-0428			
Easement	Easement between Johnston and Mabray	SW1084	NN1-24	14.9	NN1-23	15.9	352	12	VCP	0.5	0.5	0.5	1.5	1	1.5	14					14	0	Line in fair condition, Lt MD at joints(44', 176', 189', 191', 320', 326')		2013	0145-0428			
Easement	Easement between Raven and Johnston	SW1085	NN1-7-9-8	9.7	NN1-7-9-7	9	71	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	2					2	0	Line in good condition, No defects observed		2013	0145-0428	2016	0145-0480	OCR (0'-10')
Easement	Easement between Marine and Raven	SW1086	NN1-7-10-7	9.4	NN1-7-10-6	9.5	85	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	0	3				3	3	Line in fair condition, Lt Roots in lat(21', 79'), Hvy Roots in lat(63')		2013	0145-0428			
Easement	Easement between Johnston and Mabray	SW1087	NN1-25	13.8	NN1-24	14.9	338	10	VCP	0.5	0.5	0.5	1.5	1	1.5	10					10	0	Line in fair condition, Lt MD at joints(17', 72', 185', 213', 249', 292', 311')		2013	0145-0428			
Easement	Easement between Raven and Johnston	SW1088	NN1-7-9-7	9	NN1-7-9-6	10.5	350	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	11	3			1	15	0	Line in fair condition, Hole with soil visible at lat(6'), Lt Roots at lat(125', 126', 326')		2013	0145-0428	OCR in 2016 (0145-0480)		
Easement	Easement between Raven and Johnston	SW1089	NN1-7-9-6	10.5	NN1-7-9-5	11.5	349	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	12	2				14	0	Line in fair condition, Lt Roots in lat(276', 279'), Undercut Services(76', 292')		2013	0145-0428			
Easement	Easement between Raven and Johnston	SW1090	NN1-7-9-5	11.5	NN1-7-9-4	12.8	352	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	11					11	0	Line in fair condition, ndercut services(76', 292')		2013	0145-0428			
Easement	Easement between Marine and Raven	SW1091	NN1-7-10-8	9.5	NN1-7-10-5	11.3	368	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	13	2				15	0	Line in fair condition, Lt Roots in lat(276', 278')		2013	0145-0428	2016	0145-0481	FCIPP
Easement	Easement between Marine and Raven	SW1092	NN1-7-10-5	11.3	NN1-7-10-4	11.9	355	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	12					12	0	Line in fair condition, Hole in liner with Lt MD(249')		2013	0145-0428			
Easement	Easement between Marine and Raven	SW1093	NN1-7-10-4	11.9	NN1-7-10-3	13	352	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	10	3				13	0	Line in fair condition, Lt MD in lat(87'), Lt Roots in lat(188'), Hvy Roots in lat(191', 337')		2013	0145-0428			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	Easement between Raven and Johnston	SW1094	NN1-7-9-4	12.8	NN1-7-9-3	13.5	350	15	VCP	0.6	0.5	0.5	1.6	1	1.6	8	4	1				13	0	Line in fair condition, Lt Roots in lat(150'; 155'); Lt MD in lat(257'). Hwy Roots in lat(302'; 310'); Mult Fracture(4'-133', 169' 200'-235', 336'-350'), Lt MD and Lt Roots at select joints T/O		2013	0145-0428	FCIPP in 2016 (0145-0481)			
Easement	Easement between 10 Mile and Marine	SW1095	NN1-7-11-8	7.7	NN1-7-11-7	9.9	334	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	4	7					11	0	Line in fair condition, Hwy Roots in lat(8', 103', 152', 252')		2013	0145-0428				
Easement	Easement between Petersburg and Marine	SW1096	NN1-7-11-7	9.9	NN1-7-11-6	10.6	359	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	5	1	1				7	1	Line in fair condition, Hwy Roots in lat(5', 57', 306'), Lt Roots in lat(349')		2013	0145-0428				
Easement	Easement between Petersburg and Marine	SW1097	NN1-7-11-6	10.6	NN1-7-11-5	11.9	351	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	11	2					13	4	Line in fair condition, Lt Roots in lat(80', 98')		2013	0145-0428				
Easement	Easement between Petersburg and Marine	SW1098	NN1-7-11-5	11.9	NN1-7-11-4	13	353	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	6	2					8	7	Line in fair condition, Lt Roots in lat(307', 310')		2013	0145-0428				
Easement	Easement between Kelly and Petersburg	SW1099	NN1-7-12-7	8.9	NN1-7-12-6		300	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	8	2					10	2	Line in fair condition, Lt Roots in lat(10')	Hwy Roots in lat(19')	2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement between Kelly and Petersburg	SW1100	NN1-7-12-6	10.2	NN1-7-12-5	11.2	303	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	6	3					9	2	Line in fair condition, Lt Roots in lat(69', 107', 110')		2013	0145-0428				
Easement	Easement between Kelly and Petersburg	SW1101	NN1-7-12-5	11.2	NN1-7-12-4	12.2	300	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	10						10	3	Line in good condition, No defects observed		2013	0145-0428	2016	0145-0481	FCIPP	
Easement	Easement between Kelly and Petersburg	SW1102	NN1-7-12-4	12.2	NN1-7-12-3	13.3	304	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	11	1					12	2	Line in fair condition, Lt Roots in lat(170'), Lt MD at selected joints T/O, Long Fracture(8', 41"-71", 176", 188", 198", 197", 210", 293"-304")		2013	0145-0428	2016	0145-0480, 0145-0481	OCR (64"-70"), FCIPP	
Easement	Easement between Kelly and Petersburg	SW1103	NN1-7-12-8	8.2	NN1-7-12-7	8.9	37	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Line in good condition, No defects observed		2013	0145-0428					
Easement	Easement between Kelly and Petersburg	SW1104	NN1-7-11-4	13	NN1-7-11-3	13.9	350	15	VCP	0.6	0.5	0.5	1.6	1	1.6	11	2					13	2	Line in fair condition, Med Roots in lat(209'), Lt Roots in lat(212'), Long Fracture(14"-259", 278'), Mult. Fracture(28", 37")		2013	0145-0428	FCIPP in 2016 (0145-0481)			
Easement	Easement between Kelly and Almond	SW1105	NN1-7-17-5-7		NN1-7-17-5-6	9.5	263	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	2			2		4	1	Line in fair/poor condition, Pro lat(67', 213'), Lt H2S damage T/O, Circ. Fracture(8", 13", 15", 67", 247", 261"), Long. Fracture(33", 49"), Mult. Fracture(133'), Pipe broke with voids visible(67")		2013	0145-0428	2016	0145-0481	FCIPP		
Easement	Easement between Kelly and Almond	SW11069	NN1-7-17-5-6	9.5	NN1-7-17-5-5	9.9	246	10	RCP	0.5	0.5	0.5	1.5	1	1.5	7					7	1	Line in fair condition, Lt H2S damage T/O, Lt MD at selected joints T/O, Long. Fracture(36")		2013	0145-0428					
Easement	Easement between Kelly and Almond	SW1107	NN1-7-17-5-5	9.9	NN1-7-17-5-4	9.6	384	10	RCP	0.5	0.5	0.5	1.5	1	1.5	5	1	1			7	1	Line in fair condition, Lt Roots in lat(124'), Lt MD in lat(309'), Lt H2S damage T/O		2013	0145-0428					
Easement	Easement between Kelly and Almond	SW1108	NN1-7-17-5-7B	6.7	NN1-7-17-5-7	8.4	150	10	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Line in/poor condition, Circ. Fracture(1", 90'), Long. Fracture(8", 106", 127", 139")		2013	0145-0428	FCIPP in 2016 (0145-0481)				
Easement	Easement between Kelly and Almond	SW1109	NN1-7-17-5-4	8.6	NN1-7-17-5-3	8.5	NN1-7-17-5-2	10.8	322	10	RCP	0.5	0.5	0.5	1.5	3	4.5	6					0	0	Line in fair condition, Lt H2S damage T/O, Long. Fracture(25")		2013	0145-0428			
Easement	ALMOND EASEMENT BETWEEN FOREST AND HAUSE	SW1110	NN1-7-17-5-3	8.5	NN1-7-17-5-2	10.8	322	10	RCP	0.5	0.5	0.5	1.5	3	4.5	6					6	1	Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392					
Easement	EASEMENT BETWEEN ROXANA AND ALMOND SOUTH OF 10 MILE	SW1111	NN1-7-17-7	10.8	NN1-7-17-6	14.3	282	10	RCP	0.5	0.5	0.5	1.5	3	4.5	10					10		Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392					
Easement	EASEMENT BETWEEN ROXANA AND ALMOND SOUTH OF 10 MILE	SW1112	NN1-7-17-8	11	NN1-7-17-7	10.8	70	10	RCP	0.5	0.5	0.5	1.5	3	4.5						0		Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392					
Easement	EASEMENT BETWEEN ROXANA AND ALMOND SOUTH OF 10 MILE	SW1113	NN1-7-17-9	11.2	NN1-7-17-8	11.7	60	10	RCP	0.5	0.5	0.5	1.5	3	4.5	2					2	2	Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392					
Easement	EASEMENT BETWEEN ROXANA AND ALMOND SOUTH OF 10 MILE	SW1114	NN1-7-17-9-1	12	NN1-7-17-9	11.2	300	10	RCP	0.5	0.5	0.5	1.5	3	4.5	12					12	3	Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	EASEMENT BETWEEN ROXANA AND ALMOND SOUTH OF 10 MILE	SW1115	NN1-7-17-9-2	11	NN1-7-17-9-1	12	296	10	RCP	0.5	0.5	0.5	1.5	3	4.5	12	1					13	3	Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN ROXANA AND ALMOND SOUTH OF 10 MILE	SW1116	NN1-7-17-9-3	10	NN1-7-17-9-2	11	189	10	RCP	0.5	0.5	0.5	1.5	3	4.5	7	1					8	3	Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN WARRINGTON AND ROXANA SOUTH OF 10 MILE	SW1117	NN1-7-17-10	12.4	NN1-7-17-9	10	306	10	RCP	0.5	0.5	0.5	1.5	3	4.5							0		Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN WARRINGTON AND ROXANA SOUTH OF 10 MILE	SW1118	NN1-7-17-10-1	12	NN1-7-17-10	12.4	302	10	RCP	0.5	0.5	0.5	1.5	3	4.5	12						12		Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN WARRINGTON AND ROXANA SOUTH OF 10 MILE	SW1119	NN1-7-17-10-2	11	NN1-7-17-10-1	12	308	10	RCP	0.5	0.5	0.5	1.5	1	1.5	12						12		Line in good condition (Lined pipe)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN WARRINGTON AND ROXANA SOUTH OF 10 MILE	SW1120	NN1-7-17-10-3	10	NN1-7-17-10-2	11	197	10	RCP	0.5	0.5	0.5	1.5	3	4.5	5	3					8		Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392				
Easement	Easement between Teppert and Warrington	SW1121	NN1-7-20-9	12	NN1-7-20-8		311	10	VCP	0.5	0.5	0.5	1.5	1	1.5	8	4					12	0	Line in fair condition, LI MD in lat(129, 172, 224, 227), LI MD at joints(20, 48, 51, 219, 253, 256, 259)		2013	0145-0428				
Easement	Easement between Teppert and Warrington	SW1122	NN1-7-20-10	11.9	NN1-7-20-9	12	324	10	VCP	0.5	0.5	0.5	1.5	1	1.5	5	2					7	1	Line in fair condition, LI MD in lat(129, 172, 224, 227), Circ. Crack(189, Long. Fracture(161-164), Survey Abandoned(184)-Root ball, Reverse Set-Up, Line in fair condition, LI MD in lat(25), Hwy Roots in lat(128), Med OS(4), Small OS(1), Hwy Patches in lat(25))		2013	0145-0428				
Easement	Easement between Teppert and Warrington	SW1123	NN1-7-20-11	11.8	NN1-7-20-10	11.9	29	10	PVC	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Line in good condition, No defects observed		2013	0145-0428					
Easement	Easement between Teppert and Warrington	SW1124	NN1-7-20-11		NN1-7-20-12	11.9	116	10	RCP	0.5	0.5	0.5	1.5	1	1.5	5					5	0	Line in fair condition, LI H2S damage T/O, Survey Abandoned(116)-Mineral Deposit		2013	0145-0428					
Easement	Easement between Rosalind and Teppert	SW1125	NN1-7-31	11.8	NN1-7-30	12	300	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	9	1	1	1	1	12	1	Line in fair condition, LI MD in lat(105), LI Roots in lat(203), Small OS in lat(292)		2013	0145-0428					
Easement	Easement between Rosalind and Teppert	SW1126	NN1-7-32	11.4	NN1-7-31	11.8	298	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	8	2				10	6	Line in fair condition, LI Roots in lat(149), Hwy Roots in lat(294)		2013	0145-0428	2016	0145-0481			
Easement	Easement between Rosalind and Teppert	SW1127	NN1-7-33	10.4	NN1-7-32	11.4	124	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	3	2				5	1	Line in fair condition, LI Roots in lat(70, 75)		2013	0145-0428	2016	0145-0480			
Easement	Easement between Kelly and Almond	SW1128	NN1-7-17-5-7A	8.7	NN1-7-17-5-7	8.7	101	10	RCP	0.5	0.5	0.5	1.5	1	1.5	1					1	1	Line in fair condition, LI H2S damage T/O, LI MD at joints T/O		2013	0145-0428					
Easement	10 Mile Easement between Lexington and Rosalind	SW1129	NN16-10-2-6C	10.8	NN16-10-2-6B	12	239	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4					6	12	Line in fair condition, Circ. Fracture(3, 64, 98, 122, 144, 212), Long. Crack(11, 229), Long. Fracture(14, 166-209), Mult Fracture(100, 237)		2013	0145-0428	FCIPP in 2016 (0145-0481)				
Easement	Easement between Wilmot and Lexington	SW1130	NN16-10-4-5	10.3	NN16-10-4-6	10	299	12	CIPP	0.5	0.5	0.5	1.5	2	3	10	5	1			16	3	Line in fair condition, Hwy Roots in lat(27, 147, 227), LI Roots in lat(33), Proj let with hole patched with brick(152), Piece of pipe in lat(294)		2013	0145-0428	No Rehab				
Easement	Easement between Lexington and Rosalind	SW1131	NN16-10-6-6	9.5	NN16-10-6-5	11.2	304	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	10	2			1	1	14	6	Line in fair condition, Med OS in lat(145), Broken and disconnected lat(187), Hwy Roots in lat(264, 268)		2013	0145-0428	Liner Not installed			
Easement	10 Mile Easement between Lexington and Wilmot	SW1132	NN16-10-2-6B	12	NN16-10-2-6A	14	284	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	4	3	2	4			13	2	Line in fair condition, LI Roots in lat(47, 106, 120), Small OS in lat(67, 83, 88, 142), Hwy MD in lat(239, 260)		2013	0145-0428	2016	0145-0481		
Easement	Easement between Wilmot and Lexington	SW1133	NN16-10-4-5	10.3	NN16-10-4-4	11.1	401	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	12	6			2	1	21	3	Line in fair condition, Large OS in lat(111), Small OS in lat(141), Cracked pipe in lat(123), Hwy Roots in lat(287, 291), Underlaid services(7, 93, 127, 370)		2013	0145-0428				
Easement	Easement between Lexington and Rosalind	SW1134	NN16-10-6-5	11.2	NN16-10-6-4	11.7	397	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	13					3	1	17	3	Line in fair condition, Broken pipe in lat(117), Small OS in lat(201, 245, 287), buckled liner(71, 94, 230, 270, 303)		2013	0145-0428			
Easement	10 Mile Easement between Schroeder and Wilmot	SW1135	NN16-10-2-6A	14	NN16-10-2-6	16	160	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2					7	1	Line in fair condition, LI MD in lat(67, 143), Small OS in lat(106, 126), Circ. Crack(27), Long. Fracture(110-125)		2013	0145-0428	2016	0145-0481	SCIPP (127-142)		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	Easement just South of 10 Mile Rd	SW1136	NN16-10-2-8		NN16-10-2-7	16.6	127	27	VCP	0.8	0.5	1	2.3	1	2.3	3	2		1		6	0	Hvy MD in lat(52'), Small OS in lat(70'), Lt MD in lat(87')		2007	0145-0320					
Parking Lot	Easement just South of 10 Mile Rd	SW1137	NN16-10-2-10A		NN16-10-2-10	13.5	193	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			2		3	5	Pro lats(92', 110'), Long. Cracks(86', 190')		2007	0145-0320					
Street	Tuscany Ave	SW1138	*NN29-9-2-5A	8.7	NN29-9-2-5	9.3	258	12	VCP	0.5	0.5	1	2	3	6	8			4		12	6	Pro lats(126', 144', 176', 184'), Long. Crack(113', 163'), Hole in mainline pipe(141')		2007	0145-0320					
Street	Tuscany Ave	SW1139	*NN29-9-2-4A	10	NN29-9-2-4	12.2	262	15	VCP	0.6	0.5	1	2.1	1	2.1	9			1		10	3	Mult. Crack(3'), Small OS in lat(57')		2007	0145-0320					
Street	Brittany Ave	SW1140	*NN29-9-3-5A	7.3	NN29-9-3-5	8.8	331	12	VCP	0.5	0.5	1	2	1	2	15					15	1	Hose in mainline originating from lateral(59' to 76'), Long. Crack(121', 322')		2007	0145-0320					
Street	Brittany Ave	SW1141	*NN29-9-3-4A	9.3	NN29-9-3-4	11.8	251	15	VCP	0.6	0.5	1	2.1	1	2.1	5	1	1	4		11	4	Small OS in lats(62', 76', 181', 223'), Lt MD in lat(104'), Pro lat(185')		2007	0145-0320					
Street	Tuscany Ave	SW1142	NN29-9-2-3A	12	NN29-9-2-3	12.8	236	18	VCP	0.6	0.5	1	2.1	1	2.1	4	2			6		12	0	Large OS in lat(59', 146', 186', 201'), Hvy Roots in lat(154'), Lt Roots in lat(185'), Small OS in lat(189', 193'), Piece of broken pipe in mainline(13')-original unknown, Missed lateral in video(158')		2007	0145-0320				
Street	Tuscany Ave	SW1143	*NN29-9-2-2A	13.2	NN29-9-2-2	14.2	224	21	VCP	0.6	0.5	1	2.1	1	2.1	7			4		11	0	Small OS in lats(38', 77', 121', 160'), Line OK		2007	0145-0320					
Street	Tuscany Ave	SW1144	NN29-9-2-2	14.2	NN29-9-2-1	15.3	361	21	VCP	0.6	0.5	1	2.1	1	2.1	8	1	3	5		17	0	Pro late(131', 252', 331'), Small OS in lat(172', 209', 280', 328'), Hvy Roots in lat(250'), Large OS in lats(203'). Appears to be stick wedged in joint(102'). No video from 113 to 146'. DVD 81 corrects problem		2007	0145-0320					
Street	Tuscany Ave	SW1145	NN29-9-2-1	15.3	NN29-9-2	17.2	15	21	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line Ok		2007	0145-0320					
Street	Tuscany Ave	SW1146	NN29-9-2	17.2	NN16-10-14	17.2	467	15	VCP	0.6	0.5	1	2.1	1	2.1	8		2	12		22	0	Small OS in lats(76', 155', 194', 198', 226', 236', 279', 314', 362', 355', 394), Pro lat(104', 274'), Large OS in lat(432')		2007	0145-0320					
Street	Brittany Ave	SW1147	NN29-9-3-4	11.8	NN29-9-3-3	13	376	18	VCP	0.6	0.5	1	2.1	1	2.1	8	1	2	6		17	1	Lt MD in lat(95'), Pro lat(99', 254'), Small OS in lats(140', 176', 180'), Large OS in lats(216', 286', 297')		2007	0145-0320					
Street	Brittany Ave	SW1148	*NN29-9-3-2A	13.3	NN29-9-3-2	13.5	168	21	VCP	0.6	0.5	1	2.1	1	2.1	4	1	1	5		10	2	Small OS in lat(42', 46', 82', 159', 164'), Med MD in lat(86'), Video skips lateral @ 118'		2007	0145-0320					
Street	Brittany Ave	SW1149	NN29-9-3-2	13.5	NN29-9-3-1	14.2	341	21	VCP	0.6	0.5	1	2.1	1	2.1	9		1	7		17	0	Small OS in lat(72', 112', 119', 149', 309', 313'), Pro lat(153'), Large OS in lat(194')		2007	0145-0320					
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1151	NN29-9-4-1	14	NN29-9-4	16.2	18	21	RCP	0.6	0.5	0.5	1.6	1	1.6	0					0	0	Line Ok		2007	0145-0320					
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1152	NN29-9-4-4	12.1	NN29-9-4-3	12.6	385	18	VCP	0.6	0.5	0.5	1.6	2.5	4	0	3	5		8	0	Lt MD in lats(70', 109', 149'), Small OS in lats(189', 222', 308', 348'), Large OS in lat(268'), Long. Crack(162'), Mult. Cracks(333')		2007	0145-0320						
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1153	NN29-9-4-3	12.6	NN29-9-4-2		413	18	VCP	0.6	0.5	0.5	1.6	1	1.6	5	2	4		11	0	Small OS in lat(42', 83', 278'), Lt MD in lats(356', 398'), Long. Crack(303' to 316')		2007	0145-0320						
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1154	NN29-9-4-2		NN29-9-4-1	14	332	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2	1	5		8	0	Small OS in lat(23', 65', 182', 263', 302'), Lt MD in lat(223'), Mult. Cracks(16', 45', 89')		2007	0145-0320						
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1155	NN29-9-4	16.2	NN16-10-12	15.4	460	15	VCP	0.6	0.5	0.5	1.6	2	3.2	1	1		9		11	0	Small OS in lat(36', 117', 196', 313', 391', 431'), Hvy Roots in lat(58'), Small OS w/ MD in lat(235', 274'), Small OS w/ Roots in lat(353'), Long. Crack(101', 243', 285', 307')		2007	0145-0320					
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1156	NN29-9-5	14.4	NN16-10-11	16	283	15	HDPE	0.6	0.5	0.5	1.6	1	1.6	0			14		14	0				2007	0145-0320	2012	0145-0358	Burst	
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1157	NN29-9-6	14.3	NN29-9-5	14.4	18	24	RCP	0.8	0.5	0.5	1.8	1	1.8	0				0	0	Line Ok					2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Put In Service							
DPW Yard	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1158	NN29-9-11A		NN29-9-10	11.8	186	15	VCP	0.6	0.5	0.5	1.6	1	1.6	0	1				1	9	Lt MD in lat(247), Line OK		2007	0145-0320			
DPW Yard	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1159	NN29-9-10	11.8	NN29-9-9	11.5	399	18	VCP	0.6	0.5	0.5	1.6	1	1.6	0					0	18	Line Ok		2007	0145-0320			
Easement	Easement between Teppert and Warrington	SW1160	NN1-7-20-7	12.6	NN1-7-20-5	13.7	418	10	VCP	0.5	0.5	0.5	1.5	1	1.5	2	2	1	3	8	0	Line in fair condition, Small OS in lat(31', 38'), Med MD in lat(80', 335'), Lt Roots and Lt MD at select joints T/O, Long Crack(91', 144'), Med OS in mainline(144')		2013	0145-0428				
Street	Haus between Teppert and Warrington	SW1161	NN1-7-20-8		NN1-7-20-7	12.6	66	10	CIPP	0.5	0.5	1	2	1	2	0					0	0	Line in fair condition, Lt MD at select joints T/O, Long Crack(11')		2013	0145-0428	2016	0145-0481	FCIPP
Easement	Easement between Rosalind and Teppert	SW1162	NN1-7-30	12	NN1-7-29	12.8	351	10	VCP	0.5	0.5	0.5	1.5	3	4.5	9			1	10	0	Line in fair condition, Small OS in lat(74'), Lt MD at joints T/O, Lt Roots at joints(130'-185'), Multi Fracture(133'-145'), Long Crack(209', 326')		2013	0145-0428				
Easement	Easement between Lexington and Rosalind	SW1163	NN16-10-6-4	11.7	NN16-10-6-3	11.2	362	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	3	8		4	15	2	Line in fair condition, Large OS in lat(60', 110', 151', 229', 236', 308', 312'), Large OS in lat(106', 188'), Small OS in lat(272'), Med OS in lat(346'), Lining failure-patch coming off(82')		2013	0145-0428				
Easement	Easement between Wilmot and Lexington	SW1164	NN16-10-4-4	11.1	NN16-10-4-3	14.2	392	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	9	4		3	16	0	Line in fair condition, Large OS in lat(60', 110', 151', 229', 236', 308', 312'), Large OS in lat(106', 188'), Small OS in lat(272'), Med OS in lat(346'), Lining failure-patch coming off(82')		2013	0145-0428	2016	0145-0481	FCIPP	
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1165	NN29-9-9	11.5	NN29-9-8		380	21	VCP	0.6	0.5	0.5	1.6	1	1.6	0				0	18	Line Ok		2007	0145-0320				
Easement	ALMOND EASEMENT BETWEEN FOREST AND HAUSE	SW1166	NN1-7-17-5-2	10.8	NN1-7-17-5-1	10	325	10	RCP	0.5	0.5	0.5	1.5	3	4.5	7			7	1	Line in fair condition, SAV-C (Throughout), Unmarked MH found, new header not started.		2011-2012	0145-0392					
Easement	EASEMENT BETWEEN ROXANA AND ALMOND SOUTH OF 10 MILE	SW1168	NN1-7-17-6	13.6	NN1-7-17-5	12	289	10	RCP	0.5	0.5	0.5	1.5	3	4.5	11		1		12	1	Line in fair condition, SAV-C (Throughout)		2011-2012	0145-0392				
Easement	Easement between Teppert and Warrington	SW1169	NN1-7-20-5	13.7	NN1-7-20-4	13.7	301	10	VCP	0.5	0.5	0.5	1.5	1	1.5	6	1			7	0	Line in fair condition, Lt MD in lat(170'), Lt MD at joints T/O		2013	0145-0428				
Easement	Easement between Rosalind and Teppert	SW1170	NN1-7-29	12.8	NN1-7-28	14.2	300	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	11	1			12	0	Line in fair condition, Lt Roots in lat(180'), Lining Failure-Wrinkle(198', 210')		2013	0145-0428				
Easement	Easement between Wilmot and Lexington	SW1171	NN16-10-4-3	14.2	NN16-10-4-2	15.2	119, 295	21	VCP	0.6	0.5	0.5	1.6	1	1.6	4	4		1	13	22	0	Line in fair condition, Small OS in lat(100', 140', 180'), Large OS in lat(40', 80'), Small OS in lat(84'), Hwy Roots in lat(119'), Long Fracture(8', 29'), Multi Fracture(20', 29', 63'), Many Hwy roots at joints(119'), Survey suggested(119)-reassess survey or rework joints in 2016		2013	0145-0428	FCIPP in 2016 (0145-0481)		
Easement	Easement between Lexington and Rosalind	SW1172	NN16-10-6-3	11.2	NN16-10-6-2	15.8	374	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	9	3		7	19	0	Line in fair condition, Small OS in lat(26', 30', 66', 104', 185'), Large OS in lat(148'), Med OS in lat(188'), Hwy Roots in lat(269', 305'), Lt Roots in lat(309')		2013	0145-0428				
Easement	Easement between Rosalind and Teppert	SW1173	NN1-7-27	14.8	NN1-7-26	14.9	284	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	7			2	9	0	Line in fair condition, Med OS in lat(158', 162'), Undercut services(266', 271')		2013	0145-0428				
Easement	Easement West of Courtland	SW1174	NN1-7-17-2-1	11.5	NN1-7-17-2	13.3	216	12	VCP	0.5	0.5	0.5	1.5	1	1.5	5	2			7	0	Line in fair condition, Lt MD in lat(28', 92'), Lt Roots and Lt MD at selected joints T/O		2013	0145-0428				
Easement	Easement West of Courtland	SW1175	NN1-7-17-2-1A	10.5	NN1-7-17-2-1	11.5	80	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2	1			3	0	Line in fair condition, Lt MD in lat(10', 12'), Lt MD at selected joints T/O		2013	0145-0428				
Street	Forest	SW1176	E6-22	13.7	E6-21	13.8	219	18	RCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Line in fair condition, Lt infiltration at joint(66')		2013	0145-0428				
Easement	Easement South of Forest and East of Roxana	SW1177	NN1-7-17-4	11.7	NN1-7-17-2	13.3	162	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2				2	0	Line in fair condition, Lt MD at joints T/O, Long Crack(19')		2013	0145-0428				
Easement	Easement between Wilmot and Lexington	SW1178	NN16-10-4-1	15.2	NN16-10-4-2	15.2	275	21	VCP	0.6	0.5	0.5	1.6	1	1.6	1	1		8	2	12	0	Line in fair condition, Broken pipe in lat(32', 161'), Large OS in lat(72', 79', 116', 157', 203'), Small OS in lat(199', 240', 243')		2013	0145-0428			
Easement	Easement between Lexington and Rosalind	SW1179	NN16-10-6-2	15.8	NN16-10-6-1	15.3	373	21	VCP	0.6	0.5	0.5	1.6	2	3.2	6	1	1	11	19	1	Line in fair condition, Large OS in lat(10', 33', 170'), Small OS in lat(64', 80', 94', 132', 338', 342'), Med OS in lat(174', 217'), Lt Roots in lat(262', 313'), Lt MD in lat(301'), Long Crack(118', 258')		2013	0145-0428				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1180	NN29-9-7	13.3	NN29-9-6	14.3	320	24	VCP	0.8	0.5	0.5	1.8	1	1.8	10	2	1	13	3	Poor Cleaning of first 30' of pipe. Lt MD in lats(94°, 250°). Small OS in lat(214°)		2007	0145-0320					
Street	Shakespeare Ave	SW1181	NN51-3	14.5	NN51-2	15.3	355	24	VCP	0.8	0.5	1	2.3	1	2.3	11	1	2	1	15	0	Pro late(105°, 154°). Large OS in lat(128°), Med MD in lat(254°)		2007	0145-0320				
Street	Tuscany Ave	SW1182	NN24-1	15.8	Blind Tap	NA	94	21	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Video format different from other videos, hard to read footage counter. Line OK		2007	0145-0320				
Street	Saxony Ave	SW1183	NN29-11-1A		NN29-11	16.8	233	24	VCP	0.8	0.5	1	2.3	3	6.9	1	2	2	6	11	0	Small OS in lats(24°, 59°, 104°, 106°, 142°), Large OS in lat(26°). Pro lat w/ Lt Roots(39°), Pro lat(61°), Lt MD in lats(144°, 186°). Mult. Crack(321°)		2007	0145-0320				
Alley	Easement just North of Stephens	SW1184	NN16-10-13	15.9	NN16-10-12	15.4	308	27	RCP	0.8	0.5	0.5	1.8	1	1.8	10	1	2		13	3				2007	0145-0320	2012	0145-0358	OCR (15°-27°, 61°-68°)
Easement	Easement between Petersburg and Marine	SW1185	NN1-7-11-3	13.9	NN1-7-11-2	14.5	352	15	VCP	0.6	0.5	0.5	1.6	1	1.6	8	1	7	16	0	Line in fair condition. Med OS in lats(22°, 71°, 164°, 218°, 267°, 304°). Large OS in lat(114°). Med MD in lat(118°). Long. Crack(85°)			2013	0145-0428				
Easement	NORTH FOREST EASEMENT BETWEEN ALMOND AND KELLY	SW1186	NN1-7-15-4B	10.5	NN1-7-15-4	11.1	128	10	VCP	0.5	0.5	0.5	1.5	1	1.5	3	1		4	5	Line in fair condition, CM (70)			2011-2012	0145-0392				
Easement	NORTH FOREST EASEMENT BETWEEN ALMOND AND KELLY	SW1187	NN1-7-15-4	11.1	NN1-7-15-3	10.8	117	10	VCP	0.5	0.5	0.5	1.5	1	1.5				0		Line in good condition			2011-2012	0145-0392				
Street	Forest	SW1188	E6-20	12.9	E6-19		275	18	RCP	0.6	0.5	1	2.1	1	2.1	0			0	0	Line in fair condition, Lt MD at joints(41°, 162°)			2013	0145-0428				
Street	Forest	SW1189	E6-21	13.8	E6-20	12.9	212	18	RCP	0.6	0.5	1	2.1	1	2.1	0			0	0	Line in good condition, No defects observed			2013	0145-0428				
Easement	ALMOND EASEMENT BETWEEN FOREST AND HAUSE	SW1190	NN1-7-17-5-1A	9.5	NN1-7-17-5-1	10.8	181	10	RCP	0.5	0.5	0.5	1.5	3	4.5	4	1		5		Line in fair condition, SAV-C (Throughout)			2011-2012	0145-0392				
Easement	Easement between Tepperd and Warrington	SW1191	NN1-7-20-4	13.7	NN1-7-20-3	15.4	300	10	VCP	0.5	0.5	0.5	1.5	1	1.5	6	1	1	1	8	0	Line in fair condition, Hwy Roots in lat(171°). Small OS in lat(289°). Mult. Crack(145°). Long. Crack(284°). Lt MD at select joints T/O			2013	0145-0428			
Easement	Easement between Rosalind and Tepperd	SW1192	NN1-7-28	14.2	NN1-7-27	14.8	298	10	VCP	0.5	0.5	0.5	1.5	1	1.5	6	6		12	0	Line in fair condition, Hwy Roots in lat(190°, 192°, 241°, 245°). Lt Roots in lat(92°). Circ. Crack(2°, 58°). Lt MD and Lt Roots at select joints T/O			2013	0145-0428				
Easement	NORTH FOREST EASEMENT BETWEEN ALMOND AND KELLY	SW1193	NN1-7-15-4A	10.5	NN1-7-15-4	11.1	192	10	VCP	0.5	0.5	0.5	1.5	1	1.5	4	1		5	4	Line in fair condition, CM (18)			2011-2012	0145-0392				
Easement	EASEMENT BETWEEN ROXANA AND ALMOND SOUTH OF 10 MILE	SW1194	NN1-7-17-5	14.9	NN1-7-17-4	12	226	12	RCP	0.5	0.5	0.5	1.5	3	4.5	8			8	2	Line in fair condition, SAV-C (Throughout)			2011-2012	0145-0392				
Street	Forest	SW1195	NN1-7-17-4	10.8	E6-22	11	20	12	RCP	0.5	0.5	1	2	1	2	1			1	0	Line in fair condition, Drop Connection(18°)			2013	0145-0428				
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1196	NN29-9-8A		NN29-9-7	13.3	253	21	VCP	0.6	0.5	0.5	1.6	1	1.6	2	2	2	8	12	0	Small OS in lats(20°, 24°, 99°, 103°, 143°, 179°, 185°, 219°). Lt MD in lats(61°, 65°)			2007	0145-0320			
Rear Yard	Easement just South of 10 Mile Rd	SW1197	NN16-10-2-15	11.8	NN16-10-2-14	12.5	267	12	VCP	0.5	0.5	0.5	1.5	1	1.5	3	2		1	6	4	Pro late(81°, 89°, 160°, 172°, 236°, 276°, 309°). Small OS in lat(230°). Hwy Roots in lat(312°)			2007	0145-0320			
DPW Yard	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW1198	NN29-9-10A		NN29-9-10	11.8	201	8	RCP	0.5	0.5	0.5	1.5	1	1.5	0			0	0		Line Ok			2007	0145-0320			
Parking Lot	Easement between Eight Mile Rd and Juliana Ave	SW1199	NS59-29	12.8	NS59-28	13.6	150	24	VCP	0.8	0.5	0.5	1.8	1	1.8	4			4	6		Long. Cracks T/O			2007	0145-0320			
Parking Lot	Easement between Eight Mile Rd and Juliana Ave	SW1200	*NS59-30	13.1	NS59-29	12.8	28	24	VCP	0.8	0.5	0.5	1.8	1	1.8	1			1	0		Long. Crack(7°)			2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length H (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Parking Lot	Easement between Eight Mile Rd and Juliana Ave	SW1201	NS59-27	13.4	NS59-26	12.8	204	30	VCP	0.8	0.5	0.5	1.8	1	1.8	7						7	6	Long Crack(74' to 127'), Mult. Cracks(127')		2007	0145-0320				
Side Yard	Juliana Ave	SW1202	NS59-26	12.8	NS59-25	13	276	30	RCP	0.8	0.5	0.5	1.8	1	1.8	1						1	2	Line OK		2007	0145-0320				
Street	Ego Ave	SW1203	NS59-25	13	NS59-24	14.4	231	30	RCP	0.8	0.5	1	2.3	1	2.3	3	1					4	0	L1 Roots in lat(17'), L1 H2S damage T/O		2007	0145-0320				
Street	Ego Ave	SW1204	NS59-25-1	9.6	NS59-25	13	450	21	HDPE	0.6	0.5	1	2.1	1	2.1	6	4		5	6		21	0			2007	0145-0320	2012	0145-0358	Burst	
Alley	Jacob Ave	SW1205	NS59-24	14.4	NS59-23	14.1	180	36	RCP	0.8	0.5	0.5	1.8	1	1.8	6	4					10	0	Med MD in lats(54', 89', 129', 169'), L1 H2S damage T/O		2007	0145-0320				
Alley	Jacob Ave	SW1206	NS59-23	14.1	NS59-22	14.3	150	36	RCP	0.8	0.5	0.5	1.8	1	1.8	2	7					9	0	Med MD in lats(8', 26', 46', 61', 86', 106', 125'), L1 H2S damage T/O		2007	0145-0320				
Street	Lydia Ave	SW1207	NS59-22-2	8.3	NS59-22-2A	9	239	12	TRUSS	0.5	0.5	1	2	1	2	12						12	0	Line OK, Pipe type listed wrong in report		2007	0145-0320				
Street	Lydia Ave	SW1208	NS59-22-1	10.3	NS59-22-1A	12	277	18	RCP	0.6	0.5	1	2.1	1	2.1	14						14	0	Mainline chipped(153')		2007	0145-0320				
Street	Agnes	SW1209	NS59-21	5.2	NS59-21S		33	12	CIPP	0.5	0.5	1	2	3	6	0					0	0	Rocks(7', 9'), Rebar visible(28')		None	2016	0145-0458				
Street	Agnes Ave	SW1210	NS59-21	15.1	NS59-20		210	42	RCP	1	1	1	3	1	3	0					0	0	L1 MD at select joints T/O, Hard material/debris in line and jetter unable to remove		2007	0145-0320					
Street	Agnes	SW1211	NS59-21	5.2	NS59-21A		135	12	CIPP	0.5	0.5	1	2	3.5	7	2		1	1			4	0	Deformed(63', 126'), Wrinkle in liner(106', 110')		None	2016	0145-0458	2012	0145-0358, 0145-0356	OCR (19'-28'), FCIPP
Street	Veronica Ave	SW1212	*NS59-17B	11.3	*NS59-17A	18	147	18	VCP	0.6	0.5	1	2.1	1	2.1	0		3	4			7	0	Pro lat w/ L1 Roots(39'), Small OS in lats(44', 46', 96', 99'), Pro lat(136', 138')		2007	0145-0320				
Street	Veronica Ave	SW1213	NS59-17-1	10.6	*NS59-17B	11.3	184	18	VCP	0.6	0.5	1	2.1	1	2.1	3	1		3	2		9	0	Pro lat(5', 63', 112'), Small OS in lats(25'), Large OS in lat(25'), L1 Roots in lat(121'), Med Roots at joint(120')		2007	0145-0320				
Street	Veronica Ave	SW1214	NS59-17-2	8.5	*NS59-17-1A	8.5	112	15	VCP	0.6	0.5	1	2.1	1	2.1	4					2	6	0	Small OS in lat(103', 105'), Mult. Cracks(46' to 66')		2007	0145-0320				
Street	Veronica Ave	SW1215	NS59-17-3	7.8	*NS59-17-2A		333	12	CIPP	0.5	0.5	1	2	1	2	4	1		2			7	0			2007	0145-0320	2012	0145-0358, 0145-0356	OCR (129'-156'), FCIPP	
Side Yard	Lincoln Ave	SW1216	NS59-16-2-5		NS59-16-2-4	8.5	43	12	VCP	0.5	0.5	0.5	1.5	3	4.5	0					0	2	Mult. Fractures T/O		2007	0145-0320					
Street	Lincoln Ave	SW1217	NS59-16-2-4	8.5	*NS59-16-2-3A	8.3	53	12	HDPE	0.5	0.5	1	2	1	2	0					0	2			2007	0145-0320	2012	0145-0358	Burst		
Street	Toepfer Rd	SW1219	NS59-16-3-3	9.7	NS59-16-3-3A	11	181	18	VCP	0.6	1	1	2.6	1	2.6	4		4	3		11	1	Pro lat(35', 88', 101', 117'), Small OS in lats(122', 142', 161')		2007	0145-0320					
Street	Sprenger	SW1221	NS59-9-2-6AS		NS59-9-2-6		110	12	VCP	0.5	0.5	1	2	2.5	5						0		Long And Mult Cracks T/O		None	2016	0145-0458				
Alley	Alley behind Northbound Gratiot South of Veronica Ave	SW1222	NS59-9-2-7A	10.8	NS59-9-1-7	11.6	286	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4			1		5	8	Pro lat(253'), L1 MD @ joints(123', 210')		2007	0145-0320					
Alley	Alley behind Southbound Gratiot East of Hayes Ave	SW1223	NS59-20		NS59-19	17.5	50	42	RCP	1	1	0.5	2.5	1	2.5	0					0	0	Line OK		2007	0145-0320					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Alley	Alley behind Southbound Gratiot East of Hayes Ave	SW1224	NS59-19	17.5	*NS59-18	16.6	139	42	RCP	1	0.5	0.5	2	1	2	4	3					7	0	Med MD in lat(31'), LT MD in lat(71', 92'), Lt to Med MD at sealed joints T/O		2007	0145-0320		
Alley	Alley behind Southbound Gratiot East of Hayes Ave	SW1225	NS59-18	16.6	*NS59-17A	18	150	42	RCP	1	0.5	0.5	2	1	2	5	1					6	0	Med MD in lat(51')		2007	0145-0320		
Alley	Alley behind Southbound Gratiot East of Hayes Ave	SW1226	*NS59-17A	18	NS59-17	18.3	254	42	RCP	1	0.5	0.5	2	1	2	3	12					15	0	Lt MD in lats(18', 79', 141'), Med MD in lats(74', 93', 109', 153', 174', 214', 227'), Hyd MD in lats(122', 198')		2007	0145-0320		
Street	Alley behind Southbound Gratiot East of Hayes Ave	SW1227	NS59-16-1	16.3	NS59-16	17.5	18	42	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Line OK		2007	0145-0320		
Street	Alley behind Southbound Gratiot East of Hayes Ave	SW1228	NS59-16	17.5	NS59-15	18.7	344	48	RCP	1	1	1	3	1	3	0						0	0	Line OK		2007	0145-0320		
Street	Veronica Ave	SW1229	NS59-13	18.2	NS59-11	17.3	449	48	RCP	1	0.5	1	2.5	1	2.5	9	1	1				11	0	Pro lat(139'), Lt MD init(257'), Line OK		2007	0145-0320		
Street	Veronica Ave	SW1231	*NS59-9-1D	18.2	*NS59-9-1E	18.5	287	42	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Lt Inf. At joint(73'), Unknown material in bottom of pipe(125' to 149')		2007	0145-0320		
Street	Veronica Ave	SW1232	NS59-16A		NS59-16	17.5	201	42	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Line OK		2007	0145-0320		
Parking Lot	Easement between Southbound Gratiot and Crusade Ave North of Veronica Ave	SW1233	NS59-14-8	12.5	NS59-14-7	13.8	18	15	RCP	0.6	0.5	0.5	1.6	1	1.6	0		1			1	0	Pro lat(5'), Line OK		2007	0145-0320			
Alley	Alley behind Southbound Gratiot East of Hayes Ave	SW1234	NS59-16-2	14.7	NS59-16-1	16.3	284	30	RCP	0.8	0.5	0.5	1.8	1	1.8	7	3	1			11	0	Lt MD in lats(103', 107', 145'), Pro lat(166')		2007	0145-0320			
Alley	Alley behind Southbound Gratiot East of Hayes Ave	SW1235	NS59-16-3	12.3	*NS59-16-2A	13.6	128	27	RCP	0.8	1	0.5	2.3	1	2.3	5	3				8	0	Lt MD in lats(72', 93', 112')		2007	0145-0320			
Parking Lot	Easement between Eight Mile Rd and Stricker Ave	SW1236	*NS59-9-5B		NS59-9-6	13	78	27	RCP	0.8	0.5	0.5	1.8	1	1.8	2					2	2	Line OK		2007	0145-0320			
Street	Easement between Eight Mile Rd and Stricker Ave	SW1237	*NS59-9-5A	12.8	NS59-9-5	13	30	27	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Line OK		2007	0145-0320			
Parking Lot	Easement between Eight Mile Rd and Stricker Ave	SW1238	*NS59-9-6A	6	NS59-9-6	13	94	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Line OK		2007	0145-0320			
Street	Universal Ave	SW1239	NS59-9-5	13	NS59-9-4	13.4	382	36	RCP	0.8	0.5	1	2.3	1	2.3	9	1	1			11	12	Lt Roots in lat(229'), Pro lat(271')		2007	0145-0320			
Street	Universal Ave	SW1240	NS59-9-4	13.4	NS59-9-3	14.2	327	36	RCP	0.8	0.5	1	2.3	1	2.3	10					10	12	Line OK		2007	0145-0320			
Street	Crusade	SW1241	NS59-9-3-4A	6.1	NS59-9-3-4	9.4	180	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Lt MD at joints T/O		None	2016	0145-0458		
Street	REDMOND BETWEEN VERONICA AND 8 MILE	SW1242	NS59-8-6	8.7	NS59-8-5	9.4	304	12	VCP	0.5	0.5	1	2	1	2	16	1				17	1	Line in fair condition, MWL (40', 78', 155', 208', 226', 253')		2011-2012	0145-0392			
Street	REDMOND BETWEEN VERONICA AND 8 MILE	SW1243	NS59-8-4	10.4	NS59-8-3	11	155	18	VCP	0.6	0.5	1	2.1	1	2.1	6					6	2	Line in fair condition, MWL (4', CL(22', 68', 104'), CM(29', 108'))		2011-2012	0145-0392			
Street	BOULDER BETWEEN 8 MILE AND TOEPFER	SW1244	NS59-8-10	12.7	NS59-8-9	13	160	30	RCP	0.8	0.5	1	2.3	1	2.3						0		Line in good condition		2011-2012	0145-0392			
Street	REDMOND BETWEEN VERONICA AND 8 MILE	SW1245	NS59-8-2	13	NS59-8-1	16	453	21	VCP	0.6	0.5	1	2.1	2.5	5.25	4	4	2	9	19	2	Line in Fair Condition, CM (124.3 - 159.7), CL (203.7)		2011-2012	0145-0392	?			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW1246	NS59-6-9	13	NS59-6-8	13	172	30	RCP	0.8	0.5	1	2.3	1	2.3						0					2011-2012	0145-0392			
Street	Universal Ave	SW1247	NS59-9-3	14.2	NS59-9-2	16.7	351	42	RCP	1	0.5	1	2.5	1	2.5	12	1				13	3	Hvy Roots in lat(103'), Line OK			2007	0145-0320			
Street	Universal Ave	SW1248	NS59-9-2	16.7	NS59-9-1	19.8	286	42	RCP	1	0.5	1	2.5	1	2.5	12	2				14	0	Med MD in lat(9'2", 135')			2007	0145-0320			
Street	Crusade	SW1249	NS59-9-1-4	4.3	NS59-9-1-4A		137	12	VCP	0.5	0.5	1	2	3.5	7	0					0	0	Mult cracks and hinge fractures T/O		FCIPP	2016	0145-0458			
Street	Universal Ave	SW1250	NS59-9-1	19.8	*NS59-9A		225	48	RCP	1	0.5	1	2.5	1	2.5	8	1	1				10	0	Lt Roots in lat(98'), Med MD in lat(217')			2007	0145-0320		
Street	Veronica Ave	SW1251	NS59-11	17.3	NS59-10	19.5	463	48	RCP	1	0.5	1	2.5	1	2.5	11						11	0	Debris left in line(270')			2007	0145-0320		
Street	Veronica Ave	SW1252	*NS59-9-1A	19.7	*NS59-9-1B	17.7	393	42	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Unknown debris, perhaps concrete, stuck in mainline(284')			2007	0145-0320		
Street	Universal Ave	SW1253	NS59-9-0	15.4	NS59-9	20	46	30	VCP	0.8	0.5	1	2.3	2	4.6	0						0	0	Long, Crack(7"), Large OS joint in mainline(28")			2007	0145-0320		
Street	Veronica Ave	SW1255	NS59-8A		NS59-8	19.7	243	60	RCP	1	0.5	1	2.5	1	2.5	1					1	1	Line OK			2007	0145-0320			
Street	REDMOND BETWEEN VERONICA AND 8 MILE	SW1256	NS59-8-1	16	NS59-8	16	51	21	CP	0.6	0.5	1	2.1	1	2.1						0		Line in good condition			2011-2012	0145-0392			
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW1257	NS59-6-8	13	NS59-6-7	15	153	30	RCP	0.8	0.5	1	2.3	1	2.3						0		Line in good condition			2011-2012	0145-0392			
Street	Crusade Ave	SW1263	NS59-12-1	13.4	NS59-12	18.4	287	30	RCP	0.8	0.5	1	2.3	1	2.3	1					1	0	Line OK			2007	0145-0320			
Street	Toepfer Rd	SW1267	NS59-7A		NS59-6	22	745	60	RCP	1	1	1	3	1	3	1					1	0	Line OK			2007	0145-0320			
Street	Redmond	SW1268	NS59-7A-1	5.8	NS59-7A-2		59	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(28'), Lt MD at joint(27")	Dig Mainline		2016	0145-0458			
Street	Alley behind Southbound Gratiot North of Toepfer Rd	SW1269	*NS59-14-12A	6.2	NS59-14-12	11.2	124	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Line OK			2007	0145-0320			
Street	Redmond Ave	SW1270	NS59-7-2	9.3	NS59-7-2B		175	21	VCP	0.6	0.5	1	2.1	1	2.1	2	1				3	4	Lt Roots in lat(118'), Sewer Snake left in mainline(154'), Lt Roots at joints(163", 170")			2007	0145-0320			
Street	Alley behind Southbound Gratiot North of Toepfer Rd	SW1272	*NS59-14-16A	6.1	NS59-14-16	10.4	120	12	RCP	0.5	0.5	1	2	1	2	0					0	0				2007	0145-0320	2012	0145-0357	
Street	Couzens Ave	SW1275	NS63-5-1	10	NS63-5	11.8	153	21	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Mult Cracks(15" to 25")			2007	0145-0320			
Alley	Oak Ave	SW1277	*NS63-3-3A		NS63-3-3	12.3	45	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	0	Survey Abandoned(45') - Hwy Detour in line, no attempt to remove and no reverse set up. No reverse set up bc line is backwaded			2007	0145-0320			
Street	Mok Ave	SW1278	*NS63-4-2A	10.5	NS63-4-1	11.3	299	12	RCP	0.5	0.5	1	2	3	6	9		2	1	12	2	Pro lats(29", 146'), Large OS in lat(179'), Lt HQS damage T/O			2007	0145-0320				
STREET	SHAKESPEARE	SW1294	NN51-1	15.5	BULKHEAD		22.1	12	VCP	0.5	0.5	1	2	2.7	5.4						0	0	MULTIPLE CRACKS @ 15", 19"	NONE		2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW1297	NS59-6-4	18.4	NS59-6-3	17	57	36	RCP	0.8	0.5	1	2.3	1	2.3						0			Line in good condition, DAE Joint (0-67)		2011-2012	0145-0392				
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW1298	NS59-6-5	15	NS59-6-4	18.4	144	36	RCP	0.8	0.5	1	2.3	1	2.3						0			Line in good condition		2011-2012	0145-0392				
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW1299	NS59-6-2	18.4	NS59-6-1	18.6	24	36	RCP	0.8	0.5	1	2.3	1	2.3						0			Line in good condition, DAE Joint (0-24)		2011-2012	0145-0392				
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW1300	NS59-6-7	15	NS59-6-6	15.8	169	36	RCP	0.8	0.5	1	2.3	1	2.3						0			Line in good condition, DAE Joint (7-153)		2011-2012	0145-0392				
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW1303	NS59-6-3	17	NS59-6-2	18.4	143	36	RCP	0.8	0.5	1	2.3	1	2.3						0			Line in good condition, DAE Joint (0-143)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW1305	NS59-6-1A	13.6	NS59-6-1	19.1	489	12	VCP	0.5	0.5	0.5	1.5	1	1.5	25	1	10			36			Line in good condition		2011-2012	0145-0392				
Street	Nevada Ave	SW1313	NS61-1	17.8	Blind Tap	NA	39	27	RCP	0.8	1	1	2.8	1	2.8	0					0	0		Line OK		2007	0145-0320				
Street	Boulder Ave	SW1318	NS61-1-10	10.5	NS61-1-9	9.2	253	12	VCP	0.5	0.5	1	2	1	2	4	1	4	1	10	4			Small OS in lat(75), Pro lats(150°, 162°, 202°, 248°), Lt Roots in lat(222°)		2007	0145-0320				
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW1320	NS59-6-1	18.6	NS59-6	21.6	180	42	RCP	1	0.5	1	2.5	1	2.5						0			Line in good condition		2011-2012	0145-0392				
Street	Boulder Ave	SW1321	NS61-1-2	8.8	NS59-1	25.6	19	12	VCP	0.5	0.5	1	2	1	2	1	1	1		2	0			Pro lats(127°, 162°, 187°)		2007	0145-0320				
Street	Boulder Ave	SW1322	NS59-1A	10.3	NS61-1-3	11.2	199	12	VCP	0.5	0.5	1	2	1	2	2		4		6	3			Pro lats(30°, 85°, 90°, 172°)		2007	0145-0320				
Street	Boulder Ave	SW1323	NS59-2	12.3	NS61-1-4	21.8	103	15	VCP	0.6	0.5	1	2.1	1	2.1	3		2		5	0			Pro lats(70°, 92°), Small OS joint in mainline(43°)		2007	0145-0320				
Street	Boulder Ave	SW1324	NS61-1-5	10.7	NS59-2	12.3	97	12	VCP	0.5	0.5	1	2	1	2	1		3	2	6	0			Pro lats(3°, 9°, 59°), Small OS in lat(7°, 52°)		2007	0145-0320				
Street	Boulder Ave	SW1327	NS61-1-6	8.5	NS59-3	22.8	267	12	VCP	0.5	0.5	1	2	1	2	4	1	7		12	8			Pro lats(14°, 19°, 29°, 40°, 84°, 157°, 173°), Med MD in lat(109°), Mult. Cracks(157° to 185°)		2007	0145-0320				
Street	Boulder Ave	SW1329	NS59-3	22.8	NS61-1-5	10.7	132	12	VCP	0.5	0.5	1	2	1	2	2	1	1		4	1					2007	0145-0320	2012	0145-0357	SCIIPP (23°-29°-90°-100°)	
Street	Boulder Ave	SW1330	*NS61-1-6A	8.8	NS61-1-6	8.5	202	12	VCP	0.5	0.5	1	2	1	2	3		3		6	5			Pro lats(54°, 179°, 183°)		2007	0145-0320				
Street	Boulder Ave	SW1331	NS61-1-7	10.8	NS59-5	12.3	116	12	VCP	0.5	0.5	1	2	1	2	1		2	2	0				Lt MD in lat(47°), Pro lats(75°, 137°, 181°), Lt MD @ joint(156°)		2007	0145-0320				
Street	Boulder Ave	SW1332	NS61-1-8	22.3	NS59-5	12.3	85	12	VCP	0.5	0.5	1	2	1	2	2	1	1		4	0			Lt Roots in lat(42°), Lt MD and Debris in drop connection(79°)		2007	0145-0320				
Street	Boulder Ave	SW1333	NS61-1-9	9.2	NS61-1-8	22.3	303	12	VCP	0.5	0.5	1	2	1	2	2	1	2	9		14	6					2007	0145-0320	2012	0145-0357	SCIIPP (260°-263°)
Street	Pleasant Ave	SW1334	*E23-A-1	15.7	E23-1	15.5	189	27	RCP	0.8	0.5	1	2.3	1	2.3	7				7	0			Line OK		2007	0145-0320				
Street	Pleasant Ave	SW1335	E23-B	18.2	E23-A	15.7	441	27	RCP	0.8	0.5	1	2.3	1	2.3	15				15	15			Line OK		2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Melrose Ct	SW1336	E23-1-2B		E23-1-2	13.5	297	12	VCP	0.5	0.5	1	2	1	2	10					10	0		Line OK		2007	0145-0320			
Street	Melrose Ct	SW1337	E23-1-2A	8.5	E23-1-2B		91	12	VCP	0.5	0.5	1	2	1	2	6					6	0		Line OK		2007	0145-0320			
Street	Melrose Ct	SW1338	E23-1-2-2		E23-1-2-1	10.8	352	12	VCP	0.5	0.5	1	2	1	2	14	2				16	0		L1 MD in lats(27', 319'), Line OK		2007	0145-0320			
Street	Rein Ave	SW1339	NN47-1	17.8	Blind Tap	NA	25	21	VCP	0.6	1	1	2.6	1	2.6	0					0	0		Line OK		2007	0145-0320			
Street	Rein Ave	SW1341	NS46-2A		NS46-2	15	121	24	VCP	0.8	0.5	1	2.3	1	2.3	8					8	0		Line OK		2007	0145-0320			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1343	NS6-13-10	20	NS6-13-9	20	197	48	RCP	1	0.5	0.5	2	1	2						0			Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1344	NS6-13-11	16	NS6-13-10	20	165	48	RCP	1	0.5	0.5	2	1	2		1			1				Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1345	NS6-13-12	16.1	NS6-13-11	16	166	48	RCP	1	0.5	0.5	2	1	2	1				1				Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1346	NS6-13-13	16.1	NS6-13-12	16.1	155	48	RCP	1	0.5	0.5	2	1	2					0				Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1347	NS6-13-14	16.1	NS6-13-13	16.1	171	42	RCP	1	0.5	0.5	2	1	2	1				1				Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1348	NS6-13-16	15.3	NS6-13-15	15.3	168	42	RCP	1	0.5	0.5	2	1	2		1			1				Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1349	NS6-13-18	14	NS6-13-17	15	171	36	RCP	0.8	0.5	0.5	1.8	1	1.8	1				1				Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1350	NS6-13-21	12.5	NS6-13-20	13	134	36	RCP	0.8	0.5	0.5	1.8	1	1.8		1			1	3			Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1352	NS6-13-23	12.4	NS6-13-22	12.4	129	30	RCP	0.8	0.5	0.5	1.8	1	1.8					0	30			Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1353	NS6-13-24	14.7	NS6-13-23	12.4	147	30	RCP	0.8	0.5	0.5	1.8	1	1.8					0	10			Line in good condition		2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1354	NS6-13-9	16.8	NS6-13-8	17.2	173	48	RCP	1	0.5	0.5	2	1	2	5				5	1			Line in good condition		2011-2012	0145-0392			
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1355	NS6-13-6-3A	13.8	NS6-13-6-3	12.9	168	30	RCP	0.8	0.5	0.5	1.8	1	1.8					0	10			Line in good condition		2011-2012	0145-0392			
Street	Cushing Ave	SW1356	*NS43-1A	14.3	NS43-1	16	124	24	VCP	0.8	0.5	1	2.3	1	2.3	0				0	0			Line OK		2007	0145-0320			
Alley	Easement South of Nine Mile Rd and East of David Ave.	SW1359	NS31-2	17	NS31-2B	21.4	205	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1		3		4	9					2007	0145-0320	2012	0145-0357	SCIPP (193'201')
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW1360	NS6-13-6	17.2	NS6-13-5	19.1	628	48	RCP	1	0.5	0.5	2	1	2	22				22				Line in good condition		2011-2012	0145-0392			
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW1361	NS6-13-5	7.7	NS6-13-4	19.8	389	48	RCP	1	0.5	0.5	2	1	2	13				13				Line in good condition		2011-2012	0145-0392			

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	Rausch Ave	SW1363	*NS37-5A		NS37-5	10.7	217	18	VCP	0.6	0.5	1	2.1	2.5	5.25	3			6	3		12	0	Small OS in lats(20', 58'), Pro lats(94', 96', 178'), Large OS in lats(98', 133', 135', 180'), Mult. Crack(2'), Long. Crack(82')		2007	0145-0320				
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1364	NS6-13-8	16.8	NS6-13-6	17.2	164	48	RCP	1	0.5	0.5	2	1	2	5						5		Line in good condition		2011-2012	0145-0392				
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1365	NS6-13-6-1	17.7	NS6-13-6	19.5	363	42	RCP	1	0.5	0.5	2	1	2			1				1		Line in good condition		2011-2012	0145-0392				
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW1366	NS6-13-6-1A	17	NS6-13-6-1	17.7	169	42	RCP	1	0.5	0.5	2	1	2	1						1		Line in good condition		2011-2012	0145-0392				
Street	Donald Ave	SW1368	NS40-3	13.5	NS40-2	15	430	24	VCP	0.8	0.5	1	2.3	1	2.3	5		3	4		12	11	Line OK			2007	0145-0320				
Street	Cushing Ave	SW1369	*NS43-5A	9.5	NS43-5	10.8	188	18	VCP	0.6	0.5	1	2.1	1	2.1	10						10	1	Long. Crack(8')			2007	0145-0320			
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW1370	NS6-13-4	19.8	NS6-13-3	17	414	48	RCP	1	0.5	0.5	2	1	2	17	2					19		Line in good condition		2011-2012	0145-0392				
Easement	Nine Mile Easement between Lambrecht and Tuscany	SW1371	NS28-2A	12	NS28-2		32	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0						0	1	Line in good condition, No defects observed		2015-2016	0145-0463				
Easement	Nine Mile Easement between Lambrecht and Tuscany	SW1372	NS28-2A	12	NS28-2B	12.3	167	12	VCP	0.5	0.5	0.5	1.5	1	1.5	5						5	4	Line in good condition, No defects observed		2015-2016	0145-0463				
Street	Tuscany North of Toepper	SW1373	NS25-7	10	NS25-6	11.9	210	15	VCP	0.6	0.5	1	2.1	4	8.4	8			2	10	0	Line in fair condition, Med OS in lats(95', 134'), Long. Fracture(19'24')			2015-2016	0145-0463					
Easement	Nine Mile Easement between Tuscany and Gascony	SW1374	NS25-2A	12.6	NS25-2B	12.3	177	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	4						4	0	Line in good condition, No defects observed			2015-2016	0145-0463			
Street	Gascon North of Toepper	SW1375	NS23-1A-A	17.1	NS23		62	27	RCP	0.8	1	1	2.8	1	2.8	0						0	0	Line in fair condition, Lt MD at joint(41', 45')			2015-2016	0145-0463			
Easement	Nine Mile Easement between Tuscany and Gascony	SW1376	NS25-2B	12.3	NS23-1		59	12	VCP	0.5	0.5	0.5	1.5	4	6	1						1	1	Line in fair condition, Circ. Fracture(56')			2015-2016	0145-0463			
Easement	Nine Mile Easement between Gascony and Brittany	SW1377	NS23-1A		NS23-1B		188	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2						2	8	Line in fair condition, Lt MD at joint(156')			2015-2016	0145-0463			
Easement	Nine Mile Easement between Gascony and Brittany	SW1378	NS23-1B		NS20-1		61	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0						0	1	Line in good condition, No defects observed			2015-2016	0145-0463			
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW1379	NS6-13-3	17.3	NS6-13-2	17.6	423	48	RCP	1	0.5	0.5	2	1	2	20						20		Line in good condition			2011-2012	0145-0392			
Alley	WEST KELLY ALLEY BETWEEN EGO AND TOEPPER	SW1380	NS6-17A	13	NS6-17	14.6	195	36	RCP	0.8	0.5	0.5	1.8	1	1.8	2						2	6	Line in good condition			2011-2012	0145-0392			
Alley	WEST KELLY ALLEY BETWEEN 8 MILE AND EGO	SW1381	NS6-19	13.4	NS6-18	13.4	403	33	RCP	0.8	0.5	0.5	1.8	1	1.8	13						13	9	Line in good condition (3 active laterals appear to be storms)			2011-2012	0145-0392			
Alley	WEST KELLY ALLEY BETWEEN 8 MILE AND EGO	SW1382	NS6-20	12.5	NS6-19	13.4	292	33	RCP	0.8	0.5	0.5	1.8	1	1.8	6	2	1			9	9	Line in good condition (2 capped laterals appear to be blocked storms)			2011-2012	0145-0392				
Alley	WEST KELLY ALLEY BETWEEN 8 MILE AND EGO	SW1383	NS6-21	13	NS6-20	12.5	110	33	RCP	0.8	0.5	0.5	1.8	1	1.8	4					4	4	Line in good condition			2011-2012	0145-0392				
Street	Tuscany North of Toepper	SW1384	NS6-11-5A	5.2	NS6-11-5		113	10	RCP	0.5	0.5	1	2	1	2	0						0	0	Line in good condition, No defects observed			2015-2016	0145-0463			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW1385	NS6-13-2	17.6	NS6-13-1	17.9	437	48	RCP	1	0.5	0.5	2	1	2	20	1					21		Line in good condition		2011-2012	0145-0392		
Alley	WEST KELLY ALLEY BETWEEN EGO AND TOEPPER	SW1386	NS6-16	16.7	NS6-15	15.4	405	48	RCP	1	0.5	0.5	2	1	2	7	1					8	9	Line in good condition		2011-2012	0145-0392		
Alley	WEST KELLY ALLEY BETWEEN EGO AND TOEPPER	SW1387	NS6-17	14.6	NS6-16	16.7	400	42	RCP	1	0.5	0.5	2	1	2	3	4					7	3	Line in good condition		2011-2012	0145-0392		
Street	Brittany North of Toepper	SW1388	NS6-11-4A		NS6-11-4	8.1	114	10	RCP	0.5	0.5	1	2	1	2	0						0	0	Line in fair condition, Hole with gas line thru sewer(1")		2015-2016	0145-0463		
Easement	Nine Mile Easement between Brittany and Normandy	SW1392	NS20-1		NS20-1A	12.1	143	12	VCP	0.5	0.5	0.5	1.5	4	6	2	1					3	5	Line in fair condition, Lt MD in lat(37'), Mult. Fractures(130')		2015-2016	0145-0463		
Street	Normandy North of Toepper	SW1393	NS18-1A-1	18.9	NS18		41	27	RCP	0.8	1	1	2.8	1	2.8	0						0	0	Line in fair condition, No defects observed		2015-2016	0145-0463		
Easement	Easement between Juliana and 8 Mile	SW1394	B5-11-3	10.7	B5-11-2		412	10	VCP	0.5	0.5	0.5	1.5	1	1.5	5	4	4	1	14	7	Line in fair condition, Broken pipe in lat(77'), Med MD in lat(57'), Lt MD in lat(154', 208'), Ivy MD in lat(301'), Pro lat(86', 167', 255', 277'), Long Crack(84', 376')		2015-2016	0145-0463				
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW1395	NS6-13-1	17.9	NS6-13	15.9	484	48	RCP	1	0.5	0.5	2	1	2	16						16		Line in good condition		2011-2012	0145-0392		
Alley	WEST KELLY ALLEY BETWEEN EGO AND TOEPPER	SW1396	NS6-14A	14.4	NS6-14	15.7	193	48	RCP	1	0.5	0.5	2	1	2	3					3	9	Line in good condition		2011-2012	0145-0392			
Easement	Nine Mile Easement between Normandy and Schroeder	SW1399	NS18-1A		NS18-1B	12.8	200	12	VCP	0.5	0.5	0.5	1.5	1	1.5	5	1	1	7	5	Line in fair condition, Lt Roots in lat(4"), Pro lat(30'), Med Separated Joint(27")		2015-2016	0145-0463					
Easement	Nine Mile Easement between Normandy and Schroeder	SW1400	NS18-1B	12.8	NS15-1		49	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	1	Line in good condition, No defects observed		2015-2016	0145-0463			
Street	Roxana North of 9 Mile	SW1401	NN9-1	10.8	NN9		143	36	RCP	0.8	0.5	1	2.3	1	2.3	0					0	1	Line in fair condition, Settled Deposits(0'-80', 120'-140')		2013	0145-0428			
Alley	Alley between Almond and Courtland	SW1402	NN7-1-1	11.8	NN7-1		175	33	RCP	0.8	0.5	0.5	1.8	1	1.8	5					5	2	Line in fair condition, Settled Deposits(8'-13')		2013	0145-0428			
Alley	Alley between Roxana and Almond	SW1403	NN9-2	11.7	NN9-1	10.8	144	33	RCP	0.8	0.5	0.5	1.8	1	1.8	2	1			3	1	Line in fair condition, Lt Roots in lat(10'), Lt Roots at joints(0'-59')		2013	0145-0428				
Easement	Easement between Roxana and Almond	SW1404	NN9-3	11.6	NN9-2	11.7	288	33	RCP	0.8	0.5	0.5	1.8	1	1.8	9	4			13	6	Line in fair condition, Lt Roots in lat(140', 180', 216'), Ivy Roots in lat(265'), Lt MD at select points T/O		2013	0145-0428				
Street	Rosalind Ave	SW1405	NN12-1	14.8	NN12		144	42	RCP	1	0.5	1	2.5	1	2.5	0				0	2	Line in fair condition, Lt MD at joints T/O		2013	0145-0428				
Easement	Easement North of 9 Mile	SW1406	NN12-2	15.8	NN12-1	14.8	179	36	RCP	0.8	0.5	0.5	1.8	1	1.8	5	2			7	0	Line in fair condition, Lt MD in lat(21', 39'), Lt MD at joints T/O		2013	0145-0428				
Easement	Easement between Lexington and Rosalind	SW1407	NN12-3		NN12-2	15.8	292	36	RCP	0.8	0.5	0.5	1.8	1	1.8	10	3	1	14	3	Line in fair condition, Lt Roots in lat(84', 181', 262'), Pro lat(263'), Lt Roots at joints T/O		2013	0145-0428					
		SW1408	NN1-1		N1		30	54		1	1	0	2	1	2					0		N1 does not exist		2013	0145-0428				
		SW1409	NN1-2		NN1-1		135	54		1	0.5	0	1.5	1	1.5					0		NN1 does not exist		2013	0145-0428				
Street	Beaconsfield North of 9 Mile	SW1410	NN1-3	15	NN1-2	14	279	54	RCP	1	0.5	1	2.5	1	2.5	3	1	1	5	0	Line in fair condition, Pro lat(228'), Lt MD in lat(228'), Lt MD at select points T/O, Lt H2S damage T/O, Alignment left(255', 264')		2013	0145-0428					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Beaconsfield North of 9 Mile	SW1411	NN1-4	14	NN1-3	15	290	54	RCP	1	0.5	1	2.5	1	2.5	5						5	17	Line in fair condition, Lt HGS damage T/O, Lt MD at joints T/O		2013	0145-0428		
Alley	Alley North of 9 Mile	SW1412	NN4-1	14.5	NN4		13	42	RCP	1	0.5	0.5	2	1	2	0						0	0	Line in fair condition, Lt MD at joints(6', 10')		2013	0145-0428		
Alley	Alley North of 9 Mile	SW1413	NN4-2	14.4	NN4-1	14.5	153	42	RCP	1	0.5	0.5	2	1	2	1						1	0	Line in fair condition, Lt MD at joints(13'-153')		2013	0145-0428		
Street	Kelly between Stephens and 9 Mile	SW1414	E6-6	25.8	E6-5		230	36	RCP	0.8	1	1	2.8	1	2.8	0						0	0	Line in fair condition, Lt MD at joints T/O		2013	0145-0428		
Street	Kelly between Stephens and 9 Mile	SW1415	E6-7	25	E6-6	25.8	350	36	RCP	0.8	1	1	2.8	1	2.8	0						0	0	Line in fair condition, Lt infiltration at joints(242', 258', 241')		2013	0145-0428		
Street	Kelly between Stephens and 9 Mile	SW1416	E6-8	25	E6-7	25	337	36	RCP	0.8	1	1	2.8	1	2.8	0						0	0	Line in fair condition, Lt infiltration at joints(3', 11', 287')		2013	0145-0428		
Street	Petersburg Ave	SW1417	NS3-1		NS3-0		128	48	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Line in good condition, No defects observed		2015-2016	0145-0463		
Alley	Alley South of 9 Mile and East of Kelly	SW1418	NS3-2		NS3-1		90	48	CP	1	0.5	0.5	2	1	2	3						3	3	Line in fair condition, Lt MD at joints T/O		2015-2016	0145-0463		
Street	Raven South of 9 Mile	SW1419	NS2-1	15.4	NS2-0	15.8	115	36	CP	0.8	0.5	1	2.3	1	2.3	0						0	0	Line in fair condition, Lt MD T/O		2015-2016	0145-0463		
Easement	Easement between Wilmett and Rosalind	SW1422	NS6-1-5	14	NS6-1-4A	11	241	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	14						14	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356, 0145-0358 OCR (28'-32'), FCIPP
Alley	Alley between Beaconsfield and Raven	SW1423	NS2-2		NS2-1		130	36	CP	0.8	0.5	0.5	1.8	1	1.8	1						1	0	Line in fair condition, Lt MD at joints T/O, Also areas of settled gravel in line		2015-2016	0145-0463		
		SW1424	NN1-2B		NN1-2A		45	54		1	0.5	0	1.5	1	1.5							0		Line doesn't exist		2013	0145-0428		
		SW1425	NN1-2A		NN1-2		92	54		1	0.5	0	1.5	1	1.5							0		Line doesn't exist		2013	0145-0428		
Street	Courtland Ave	SW1427	NN7-1	12.2	NN7		144	42	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Line in fair condition, Settled Gravel(8'-45'), Lt Roots at joint(74')		2013	0145-0428		
Alley	Alley between Courtland and Kelly	SW1428	NN7-2	11.8	NN7-1	12.2	145	42	RCP	1	0.5	0.5	2	1	2	2						2	5	Line in good condition, No defects observed		2013	0145-0428		
Easement	Easement between Almond and Kelly	SW1429	NN7-4	10.4	NN7-3	12.5	412	36	RCP	0.8	0.5	0.5	1.8	1	1.8	8	7				15	0	Line in fair condition, Lt Roots in lat(5'), Med Roots in lat(20'), Lt Roots at select joints T/O, Survey abandoned(251')-Hvy up. Line in fair condition, Lt Roots in lat(15'), Hvy Roots in lat(81', 131'), Lt Roots at select joints T/O		2013	0145-0428			
Easement	Easement between Almond and Kelly	SW1430	NN7-3	12.5	NN7-2		301	36	RCP	0.8	0.5	0.5	1.8	1	1.8	8	2				10	0	Line in fair condition, Lt Roots in lat(5'), Med Roots in lat(27'), Lt Roots at select joints T/O		2013	0145-0428			
Easement	Easement between Almond and Kelly	SW1431	NN7-1-2	12	NN7-1-1	11.8	292	30	RCP	0.8	0.5	0.5	1.8	1	1.8	10	3				13	2	Line in fair condition, Lt Roots in lats(24', 221', 265'), Lt Roots at select joints T/O		2013	0145-0428			
Alley	WEST KELLY ALLEY BETWEEN EGO AND TOEPPER	SW1433	NS6-14	15.7	NS6-13	15.4	428	48	RCP	1	0.5	0.5	2	1	2	9	1				10	18	Line in good condition		2011-2012	0145-0392			
Alley	WEST KELLY ALLEY BETWEEN EGO AND TOEPPER	SW1434	NS6-13	15.9	NS6-12	13.6	214	66	RCP	1	0.5	0.5	2	1	2	8					8	1	Line in good condition		2011-2012	0145-0392			
Easement	Easement West of Beaconsfield and North of Ash	SW1435	NS2-8	14.5	NS2-7A	13	162	30	CP	0.8	0.5	0.5	1.8	1	1.8	0					0	6	Line in good condition, No defects observed		2015-2016	0145-0463			

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Easement	Easement between Ash and Mott	SW1451	NS2-14A	9.3	NS2-14	11.6	305	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	6					6	0	Line in fair condition, Same MH # used on report for US and DS MH		2015-2016	0145-0463	2012	0145-0356, 0145-0358	OCR (20'-42'), FCIPP	
Street	Beaconsfield	SW1452	B5-2	17.2	B5-1	16.5	232	18	VCP	0.6	0.5	1	2.1	1	2.1	2	1	1			4	0	Line in fair condition, Li Roots in lat(17'), Med MD in lat(99')		2015-2016	0145-0463	2012	0145-0357	SCIPP (316'-330')	
Street	Kelly Rd North of Toepfer	SW1453	B5-3-7A	8.2	B5-3-7	10.3	372	10	PVC	0.5	1	1	2.5	1	2.5	3					3	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP	
STREET	KELLY	SW1455	EH-32-14-2		EH-32-14-1		51.9	12	RCP	0.5	1	1	2.5	1	2.5								DAE @ 37"		NONE	2016	0145-0458			
Easement	Easement between Ash and Mott	SW1456	NS2-11	13.7	NS2-10	11.9	140	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	0					0	0	Line in good condition, No defects observed		2015-2016	0145-0463				
Easement	Easement between Ash and Mott	SW1457	NS2-10	11.9	NS2-9		130	24	CIPP	0.8	0.5	0.5	1.8	1	1.8	1					1	0	Line in good condition, No defects observed		2015-2016	0145-0463				
Easement	Easement West of Beaconsfield and North of Ash	SW1458	NS2-9		NS2-8-0		168	24	CP	0.8	0.5	0.5	1.8	1	1.8	0					0	13	Line in fair condition, Li MD at joints(104', 115')		2015-2016	0145-0463				
Easement	Easement West of Beaconsfield and North of Ash	SW1459	NS2-6A		NS2-6		162	33	CP	0.8	0.5	0.5	1.8	1	1.8	2					2	10	Called out 2 capped connection as not capped		2015-2016	0145-0463				
Easement	Easement between Ash and Mott	SW1461	NS2-15		NS2-17		205	21	VCP	0.6	0.5	0.5	1.6	3	4.8	4					4	2	Line in fair condition, Long Cracks T/O, CB cover on MH NS2-17		2015-2016	0145-0463				
Easement	Easement East of Kelly and North of Mott	SW1462	NS3-8	12.7	NS3-7		316	30	CP	0.8	0.5	0.5	1.8	1	1.8	4	1	1			6	11	Line in fair condition, Pro lat(65'), Li MD in lat(157')		2015-2016	0145-0463				
Easement	Easement East of Kelly and North of Mott	SW1464	NS3-7		NS3-6		310	33	CP	0.8	0.5	0.5	1.8	1	1.8	6					6	7	Line in good condition, No defects observed		2015-2016	0145-0463				
Street	Schroeder between Toepfer and 9 Mile	SW1465	NS15-6	7.9	NS15-5A	9.6	175	12	VCP	0.5	0.5	1	2	1	2	6					6	0	Line in fair condition, Li MD at select joints T/O		2015-2016	0145-0463	2012	0145-0357	SCIPP (159'-168')	
Easement	Easement between Rosetta and Morningside	SW1466	NS2-7-2		NS2-7-2A		345	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	11	1	2			14	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356, 0145-0358	OCR (94'-106'), FCIPP	
Easement	Easement West of Beaconsfield and North of Ash	SW1467	NS2-6	14.9	NS2-5		398	33	CP	0.8	0.5	0.5	1.8	1	1.8	5					5	25	Line in good condition, No defects observed		2015-2016	0145-0463				
Easement	Easement East of Kelly and South of Oak	SW1468	NS3-6		NS3-5		7	42	CP	1	0.5	0.5	2	1	2	1					1	1	No video or report for reverse set-up		2015-2016	0145-0463				
Easement	Easement between Lister and Rosetta East of Wilmot	SW1471	NS6-7-2		NS6-7-1	9.1	307	15	VCP	0.6	0.5	0.5	1.6	3	4.8	8			1	1	10	4	Line in fair condition, Med OS in lat(254'), hole in lat(175'), Long Fracture(109', 139'-154', 251'), Mult. Fracture(112')		2015-2016	0145-0463	2012	0145-0357	SCIPP (167'-220')	
Easement	Easement West of Beaconsfield and North of Ash	SW1472	NS2-5		NS2-4	14.4	640	36	CP	0.8	0.5	0.5	1.8	1	1.8	15					15	38	Line in fair condition, Li Roots at select joints T/O, Partial Bulkhead at NS2-5		2015-2016	0145-0463				
Easement	Easement East of Kelly and South of Oak	SW1474	NS3-5	14.7	NS3-4A		304	42	RCP	1	0.5	0.5	2	1	2	6					6	12	Line in fair condition, Li MD at select joints T/O		2015-2016	0145-0463				
Easement	Easement East of Kelly and South of Oak	SW1479	NS3-4	14.5	NS3-3		432	48	RCP	1	0.5	0.5	2	1	2	9	1				10	29	Line in fair condition, Hwy Roots in lat(177'), Li MD at joints T/O		2015-2016	0145-0463				
Easement	Easement West of Beaconsfield and North of Ash	SW1480	NS2-3		NS2-2		650	36	CP	0.8	0.5	0.5	1.8	1	1.8	25					25	17	Line in fair condition, Li Roots at select joints T/O		2015-2016	0145-0463				
Easement	Easement West of Beaconsfield and North of Ash	SW1481	NS2-4		NS2-3		28	36	CP	0.8	0.5	0.5	1.8	1	1.8	0					0	3	Line in good condition, No defects observed		2015-2016	0145-0463				

Physical Location	Street	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehabi/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
											Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	WILMONT BETWEEN OAK AND TOEPPER	SW1483	NS14-5	13.4	NS14-4	12	155	24	RCP	0.8	0.5	1	2.3	1	2.3	5							5		Line in good condition		2011-2012	0145-0392			
Easement	Easement East of Kelly and South of Oak	SW1485	NS3-3	16.6	NS3-2		420	48	RCP	1	0.5	0.5	2	1	2	6	1						7	10	Line in fair condition, Li Roots in lat(15'), Li MD at joints T/O		2015-2016	0145-0463			
Street	Beechwood Ave.	SW1486	NN75-7	7.2	NN75-6	8.9	485	12	VCP	0.5	0.5	1	2	1	2	5	1		8	1			15	18			2007	0145-0320	2013	0145-0433	OCR (154'-161')
Street	Beechwood Ave.	SW1488	NN75-6	8.9	NN75-5	11.2	420	15	VCP	0.6	0.5	1	2.1	4	8.4	12	2	1	3				18	4	Pro lat(24', 108', 144'), Med MD in lat(97'), Hwy Roots in lat(355', 380'), Mult. Fractures and Broken Pipe(190' to 206'), Long Crack(235', 328', 403'), Li Roots @ joints(307' to 385'), Footage counter obscured		2007	0145-0320	2012	0145-0357	SCIPP (187'-207')
Street	Beechwood Ave.	SW1489	NN75-5	11.2	NN75-5A		272	18	VCP	0.6	0.5	1	2.1	1	2.1	11	1		5				17	1	Pro lat(53', 173', 174', 218', 238'), Med Roots in lat(196')Li Roots @ joint(175' to 210'), Footage counter obscured		2007	0145-0320			
Street	Beechwood Ave.	SW1490	NN75-5A		NN75-4	12	145	18	VCP	0.6	0.5	1	2.1	1	2.1	5	1		1				7	0	Pro lat(13'), Li Roots in lat(86'), Li Roots @ Joints T/O, Footage counter obscured		2007	0145-0320			
Street	Beechwood Ave.	SW1491	NN75-4	12	NN75-3	11.9	437	21	VCP	0.6	0.5	1	2.1	1	2.1	22	3		1	1			27	0	Pro lat(89'), Li Roots in lat(115', 427'), Large OS in lat(212'), Hwy Roots in lat(382'), Footage counter obscured, Video skips later @ 115'		2007	0145-0320			
Street	Beechwood Ave.	SW1492	NN75-3	11.9	NN75-2	13.7	399	21	VCP	0.6	0.5	1	2.1	1	2.1	11	5		3	5			24	1	Hvy Roots in lat(8', 180'), Li Roots in lat(48', 211', 245'), Pro lat(125', 291', 330'), Large OS w/ Li Roots in lat(171'), Small OS in lat(293', 333', 336', 375'), Footage counter obscured		2007	0145-0320			
Street	Beechwood Ave.	SW1497	NN75-2	13.7	NN75-1		340	21	VCP	0.6	0.5	1	2.1	1	2.1	6	3	1	3				13	0	Small OS in lat(9', 54', 96'), Pro lat(96'), Li MD in lat(138'), Med MD in lat(140', 225'), Med OS joint in mainline(335'), Footage counter obscured		2007	0145-0320			
Street	Firwood Ave.	SW1500	NN73-8	7.5	NN73-7	8.2	404	12	VCP	0.5	0.5	1	2	1	2	4	4	1	8				17	15	Pro lat(21', 155', 168', 183', 289', 309', 373', 375'), Li Roots in lat(88', 89', 108', 250'), Med MD in lat(122'), Long Crack(46')		2007	0145-0320			
Street	Firwood Ave.	SW1504	NN73-7	8.2	NN73-6	10.1	397	15	VCP	0.6	0.5	1	2.1	1	2.1	12	1	1	8	2			24	9	Pro lat(91', 177', 234', 282', 294', 335', 379'), Li Roots in lat(112'), Pro lat w/ Rebar(162'), Small OS in lat(230', 270'), Li MD in lat(288'), Rebar wedged in joint(257'), Long. Cracks T/O		2007	0145-0320			
Street	Firwood Ave.	SW1506	NN73-6	10.1	NN73-5	12.6	393	18	CIPP	0.6	0.5	1	2.1	1	2.1	14	5			2			21	1			2007	0145-0320	2012	0145-0358, 0145-0356	OCR (48'-99', 163'-169'), FCiPP
Street	Firwood Ave.	SW1508	NN73-5	12.6	NN73-4	12.5	287	21	VCP	0.6	0.5	1	2.1	3	6.3	16				1			17	0	Large OS in lat(53'), Piece of wood lodged in joint(88'), Mult. Crack(88')		2007	0145-0320			
Street	Firwood Ave.	SW1510	NN73-4	12.5	NN73-3	13	187	21	VCP	0.6	0.5	1	2.1	1	2.1	10			2				12	0	Pro lat(7', 145')		2007	0145-0320			
Street	Firwood Ave.	SW1511	NN73-3	13	NN73-2	15.7	418	21	VCP	0.6	0.5	1	2.1	1	2.1	16	1		1	1			19	0	Li Roots in lat(45'), Pro lat(320'), Small OS in lat(356'), Steel pipe wedged in joint(64', 181')		2007	0145-0320			
Street	Firwood Ave.	SW1516	NN73-2	15.7	NN73-1		412	21	VCP	0.6	0.5	1	2.1	3	6.3	10	3		2				15	0	Large OS in lat(88'), Med MD in lat(175'), Small OS in lat(214'), Li MD in lat(277', 279'), Mult. Cracks(332')		2007	0145-0320			
Street	Hayes Ave.	SW1533	NN70-1-7	7.4	NN70-1-6	8.8	298	12	VCP	0.5	1	1	2.5	2	5	7			4	1			12	5	Pro lat(66', 76', 124', 164'), Large OS in lat(203'), Mult. Crack(86'), Circ. Crack(294')		2007	0145-0320			
Street	Hayes Ave.	SW1611	NN70-1-6	8.8	NN70-1-5	10.8	348	15	VCP	0.6	1	1	2.6	1	2.6	8	1		8	4			21	2	Pro lat(9', 72', 109', 172', 212', 265', 304', 328'), Hwy Roots in lat(52'), Small OS in lat(92', 105'), Large OS in lat(129', 184')		2007	0145-0320			
Street	Hayes Ave.	SW1620	NN70-1-4	9.3	NN70-1-3	8.4	275	12	VCP	0.5	1	1	2.5	1	2.5	4			4				8	6	Pro lat(44', 68', 245', 253'), Long. Crack(31')		2007	0145-0320			
Street	Hayes Ave.	SW1625	NN70-1-3	8.4	NN70-1-2	10.6	206	12	VCP	0.5	1	1	2.5	1	2.5	4	1		2				7	3	Li Roots in lat(10'), Pro lat(47', 163'), Mult. Cracks(26')		2007	0145-0320			
Street	GROVE BETWEEN NORTH PARK AND 6 MILE	SW1633	NN66-4A	10.4	NN66-4	11.6	6	18	RCP	0.6	0.5	1	2.1	5	10.5								0		Line in poor condition, B (6-12)		2011-2012	0145-0392			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location					
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped									
Street	GROVE BETWEEN NORTH PARK AND 9 MILE	SW1634	NN66-4B	8.4	NN66-4C	9.4	126	12	RCP	0.5	0.5	1	2	1	2				1	1	2				Line in good condition		2011-2012	0145-0392				
Street	Hayes Ave.	SW1635	NN70-1-2	10.6	NN70-1-1	11.8	494	15	VCP	0.6	1	1	2.6	1	2.6	17			6	3	26	1					2007	0145-0320	2012	0145-0357	SCI PP (260'-284')	
Street	GROVE BETWEEN NORTH PARK AND 9 MILE	SW1637	NN66-2-2	9	NN66-2-1	12.2	396	12	RCP	0.5	0.5	1	2	1	2	12					12	2					Line in good condition		2011-2012	0145-0392		
Street	Hayes Ave.	SW1638	NN70-1-1	11.8	NN70-1		494	18	VCP	0.6	1	1	2.6	3	7.8	14	1	6	3	24	1						Pro lats(6', 46', 112', 242', 326', 344'), Small OS in lats(232', 234'), Large OS in lat(404'), Lt MD in lat(416'), Mult Cracks(36', 242')	2007	0145-0320			
Street	GROVE BETWEEN NORTH PARK AND 9 MILE	SW1646	NN66-2-1	12.2	NN66-2	13	39	18	RCP	0.6	0.5	1	2.1	1	2.1						0					Line in fair condition, JS (37)		2011-2012	0145-0392			
Street	Liscomb Ave.	SW1665	NN58-2		NN58-1	15.4	142	27	RCP	0.8	0.5	1	2.3	1	2.3	1			1		2	0			Pro lat(94'), Line OK		2007	0145-0320				
Street	Liscomb Ave.	SW1668	NN58-3	15.5	NN58-2		64	24	VCP	0.8	0.5	1	2.3	1	2.3	0			2	2	0				Large OS in lat(45'), Small OS in lat(48')		2007	0145-0320				
Street	Liscomb Ave.	SW1672	NN58-4	13.5	NN58-3	15.5	279	21	VCP	0.6	0.5	1	2.1	1	2.1	3			2	6	11	1			Small OS in lats(39', 90', 220', 222'), Large OS in lats(56', 179'), Pro lats(131', 195')	2007	0145-0320					
Street	Liscomb Ave.	SW1673	NN58-5	12.7	NN58-4	13.5	95	18	VCP	0.6	0.5	1	2.1	1	2.1	3			2		5	0			Pro lats(11', 33'), Line OK		2007	0145-0320				
Street	Liscomb Ave.	SW1674	NN58-6	12.3	NN58-5	12.7	59	18	VCP	0.6	0.5	1	2.1	1	2.1	2					2	0			Line OK				2007	0145-0320		
Street	Liscomb Ave.	SW1675	NN58-7	8.2	NN58-6	12.3	114	12	VCP	0.5	0.5	1	2	1	2	1			1		2	1			Pro lat(100'), Line OK				2007	0145-0320		
Alley	Alley East of Gratiot between Semraue Ave. and Aurora Ave.	SW1684	NN54-4-4-1A	11.4	NN54-4-4-1	11.5	116	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			1		2	2			Pro lat(159'), Line OK				2007	0145-0320		
Street	Evergreen Ave.	SW1685	NN54-4-4	11.8	NN54-4-3	11.5	355	18	VCP	0.6	0.5	1	2.1	1	2.1	14	2		4	1	21	2			Pro lats(26', 201', 236', 278'), Small OS in lat(71'), Lt Roots in lat(74'), Hwy Roots in lat(113')				2007	0145-0320		
Alley	Alley East of Gratiot between Semraue Ave. and Aurora Ave.	SW1688	NN54-4-4A		NN54-4-4	11.8	144	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0					0	3			Line OK				2007	0145-0320		
Street	Evergreen Ave.	SW1701	NN54-4-3	11.5	NN54-4-2	12.8	440	18	VCP	0.6	0.5	1	2.1	1	2.1	12			10	4	26	1						2007	0145-0320	2012	0145-0358	OCR (230'-238', 274' 284')
Alley	Alley East of Gratiot between Semraue Ave. and Aurora Ave.	SW1702	NN54-5-3AA		NN54-5-3A		89	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			1		2	2			Pro lat(11'), Line OK				2007	0145-0320		
Street	Nicolai Ave.	SW1703	NN54-5-3	11.1	NN54-5-2	11.5	250	18	VCP	0.6	0.5	1	2.1	1	2.1	6			3	2	11	1			Line OK				2007	0145-0320		
Alley	Alley East of Gratiot between Semraue Ave. and Aurora Ave.	SW1706	NN54-5-3	11.1	NN54-5-3-1A		227	12	VCP	0.5	0.5	0.5	1.5	1	1.5	3					3	0			Small OS in lat(60'), Pro lat(107', 154', 205'), Large OS in lat(215')				2007	0145-0320		
Street	Nicolai Ave.	SW1707	NN54-5-2	11.5	NN54-5-1	11.9	303	18	VCP	0.6	0.5	1	2.1	1	2.1	6			2	3	11	2			Pro lat(19', 211'), Large OS in lat(69'), Small OS in lat(71', 153'), Obj wedged in joints(66', 120', 196')				2007	0145-0320		
Street	Hofer Ave.	SW1708	NN54-6-2	11.3	NN54-6-1	10.9	40	21	VCP	0.6	0.5	1	2.1	1	2.1	0					0	1			Line OK				2007	0145-0320		
Street	Semraue Ave.	SW1709	NN54-6-2-1	6.6	NN54-6-2	11.3	477	12	VCP	0.5	0.5	1	2	1	2	6	1		4	1	12	11			Pro lat(124', 165', 200', 317'), Small OS in lat(148'), Med Roots in lat(352')				2007	0145-0320		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Hofer Ave.	SW1710	NN54-6-3	10.3	NN54-6-2	11.3	402	18	VCP	0.6	0.5	1	2.1	1	2.1	2			1			3	0	Pro lat(75'), Line OK		2007	0145-0320			
Street	Owen Ave.	SW1711	NN54-6-4	10.8	NN54-6-3	10.3	219	18	VCP	0.6	0.5	1	2.1	1	2.1	0			2	2		4	6	Small OS in lats(57', 73'), Pro lats(151', 153')		2007	0145-0320			
Street	Hofer Ave.	SW1712	NN54-6-3-1	7.6	NN54-6-3	10.3	189	15	VCP	0.6	0.5	1	2.1	1	2.1	0						0	0	Long Crack(168')		2007	0145-0320			
Street	Owen Ave.	SW1713	NN54-6-5	11.3	NN54-6-4	10.8	75	18	VCP	0.6	0.5	1	2.1	1	2.1	0						0	2	Line OK		2007	0145-0320			
Street	GRATIOT EASEMENT SOUTH OF STEPHENS	SW1716	NN66-10-8		NN66-10-7	8.5	99	12	RCP	0.5	0.5	1	2	1	2	1	2					3		Line in good condition, (diameter change stopped TV)		2011-2012	0145-0392			
Alley	Alley East of Gratiot between Stephens Ave. and Semrau Ave.	SW1724	NN54-6-4B	9.8	NN54-6-4A	9.3	193	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0			6			6	0	Pro lats(21', 49', 87', 120', 151', 179'), Line OK		2007	0145-0320			
Alley	Alley East of Gratiot between Stephens Ave. and Semrau Ave.	SW1725	NN54-6-4-1	10.9	NN54-6-4	10.8	200	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0			1		1	4		Pro lat(183'), Line OK		2007	0145-0320			
Street	GRATIOT EASEMENT SOUTH OF STEPHENS	SW1728	NN66-10-7	8.5	NN66-10-6	9.9	42	12	RCP	0.5	1	1	2.5	1	2.5							0		Line in good condition		2011-2012	0145-0392			
Street	Melrose Ave.	SW1732	NN54-4-1	13.3	NN54-4	14.8	205	18	VCP	0.6	0.5	1	2.1	1	2.1	0		1			1	0	Pro lat(102'), Line OK		2007	0145-0320				
Street	Melrose Ave.	SW1733	NN54-3	14.8	NN54-2	15.7	354	36	RCP	0.8	0.5	1	2.3	1	2.3	9	6	1				16	1	Li Roots in lat(83', 134', 138', 279'), Med Roots in lat(104', 244'), Li Roots @ joints(80' to 140')		2007	0145-0320			
Alley	Melrose Ave.	SW1734	NN54-2A		NN54-2	15.7	156	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2						2	5	Mult. Cracks(35')		2007	0145-0320			
Alley	Melrose Ave.	SW1736	NN54-2-1	9	NN54-2	15.7	262	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0			5			5	10			2007	0145-0320	2012	0145-0358	OCR (74'-85')
Street	Shakespeare Ave	SW1737	NN51-9	7.2	NN51-8	7.7	309	12	VCP	0.5	0.5	1	2	1	2	5			4			9	4	Pro lats(75', 122', 164', 203'), Mult. Cracks(22', 184'), Circ. Cracks(239', 255', 257'), Long. Cracks(248')		2007	0145-0320			
Street	Melrose Ave.	SW1738	NN54-7	11	NN54-6	12.3	254	18	VCP	0.6	0.5	1	2.1	1	2.1	12	2	2				16	1	Pro lats(10', 189'), Li Roots(13', 44'), Mult. Cracks(21'), Li Roots @ select joints T/O		2007	0145-0320			
Street	Melrose Ave.	SW1739	NN54-6-1	10.9	NN54-6	12.3	202	21	VCP	0.6	0.5	1	2.1	1	2.1	0						0	0	Mult. Cracks(160')		2007	0145-0320			
Street	Melrose Ave.	SW1740	NN54-6	12.3	NN54-5	12.9	337	27	RCP	0.8	0.5	1	2.3	1	2.3	15						15	4	Line OK		2007	0145-0320			
Side Yard	Melrose Ave.	SW1741	NN54-5-1	11.9	NN54-5	12.9	230	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2	1				3	0	Li Roots in lat(8'), Li Roots @ joints(40' to 70')		2007	0145-0320				
Street	Melrose Ave.	SW1742	NN54-5	12.9	NN54-4	14.8	578	30	RCP	0.8	0.5	1	2.3	1	2.3	27						27	6	Line OK		2007	0145-0320			
Street	Shakespeare Ave	SW1743	NN51-8	7.7	NN51-7	8.3	186	12	VCP	0.5	0.5	1	2	1	2	4			1			5	1			2007	0145-0320	2012	0145-0357	SCIPP (0'-11')
Street	Shakespeare Ave	SW1744	NN51-5	11.7	NN51-5A		120	21	VCP	0.6	0.5	1	2.1	1	2.1	4	2	1				7	0	Pro lat(8'), Li MD in lats(44', 82')		2007	0145-0320			
Street	Universal Ave	SW1745	*NS59-9A		NS59-9	20	80	48	RCP	1	0.5	1	2.5	1	2.5	2						2	0	Line OK		2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding Offset	Broken Pipe	Total in Service	Capped							
Street	Boulder Ave	SW1747	NS61-1-2	8.8	NS59-1A	10.3	200	12	VCP	0.5	0.5	1	2	1	2	3				6	2	Lt MD in lat(18'), Line Bulkheaded(19')		2007	0145-0320				
Street	Rein Ave	SW1749	NS46-1A		NS46-1	17.6	122	24	VCP	0.8	0.5	1	2.3	1	2.3	0			2		2	1	Pro lat(8', 50')		2007	0145-0320			
Street	Cushing Ave	SW1750	*NS43-2A	13.3	NS43-2	14.3	253	24	VCP	0.8	0.5	1	2.3	1	2.3	8		5	4	17	1	Pro lat(16', 96'), Pro lat w/ Lt Roots(54', 92'), Small OS in lat(137', 139', 249', 251'), Medium Roots at joint(81')		2007	0145-0320				
Street	Piper Ave	SW1752	NN49-8	7.6	*NN49-7A	7.5	94	12	VCP	0.5	0.5	1	2	1	2	3		1		4	2	Pro lat(10'), Line OK		2007	0145-0320				
Street	Piper Ave	SW1753	NN49-7	8.5	*NN49-6A	8.7	222	15	VCP	0.6	0.5	1	2.1	1	2.1	3		1		4	9	Pro lat(186'), Mult. Crack(44')		2007	0145-0320				
Street	Piper Ave	SW1754	NN49-5	11.2	*NN49-4A	12.1	289	21	VCP	0.6	0.5	1	2.1	1	2.1	7	1	5	1	14	0	Med Roots in lat(90'), Pro lat(92', 130', 176', 178', 251'), Small os in lat(249')		2007	0145-0320				
Street	Rein Ave	SW1755	NN47-5	11.7	NN47-5A	12.2	302	21	VCP	0.6	0.5	1	2.1	1	2.1	7		4	4	15	3	Pro lat(24', 64', 64', 267'), Small OS in lat(183', 224', 225')		2007	0145-0320				
Street	Rein Ave	SW1756	NN47-4	13.3	NN47-4A	13.3	151	21	VCP	0.6	0.5	1	2.1	3	6.3	2	2	1		5	0	Lt MD in lat(69', 111'), Pro lat(71'), Long Crack(54'), Piece of pipe missing in mainline(36')		2007	0145-0320	1.5			
Street	Stephens Rd	SW1760	NN42-6-4	9	NN42-6-3	8.5	506	15	VCP	0.6	1	1	2.6	1	2.6	2		6		8	12				2007	0145-0320	2012	0145-0358	OCR (72'-79')
Street	Cushing Ave, East side of Street	SW1761	NN44-8	7.5	NN44-7	8.4	351	12	VCP	0.5	0.5	1	2	3	6	7		5	1	13	11	Small OS in lat(50'), Pro lat(92', 103', 124', 145', 323'), Mult. Fractures(252' to 256'), Long Crack(39', 163'), Mult. Cracks(188', 321')		2007	0145-0320				
Street	Cushing Ave, East side of Street	SW1762	NN44-7	8.4	NN44-6	10.4	348	15	CIPP	0.6	0.5	1	2.1	1	2.1	6	1		2		9	10			2007	0145-0320	2012	0145-0358, 0145-0356	OCR (268'-283'), FCIPP
Street	Cushing Ave, East side of Street	SW1763	NN44-6A	10.8	NN44-5	11.5	257	18	VCP	0.6	0.5	1	2.1	1	2.1	3	4	2		9	6				2007	0145-0320	2012	0145-0357	SCIPP (193'-199')
Street	Cushing Ave, East side of Street	SW1764	NN44-5	11.5	NN44-5A	12.1	317	21	VCP	0.6	0.5	1	2.1	4	8.4	7	1	2	7	17	2	Pro lat(196'), Hwy Roots in lat(10'), Small OS in lat(130', 132', 172', 174', 216', 259', 291'), Mult. Fracture(280' to 290')		2007	0145-0320				
Street	Cushing Ave, East side of Street	SW1765	NN44-4	13.3	NN44-3	13.5	355	21	VCP	0.6	0.5	1	2.1	3	6.3	14	1	3	3	21	3	Hwy Roots in lat(32'), Pro lat(34', 269', 307'), Small OS in lat(147', 149', 229'), Lt Roots @ joint(s) to 24', 60' to 70', 280' to 300', Mult. Cracks(231')		2007	0145-0320				
Street	Cushing Ave, East side of Street	SW1766	NN44-3	13.5	NN44-2	14	367	21	VCP	0.6	0.5	1	2.1	1	2.1	11		3	2	1	17	4			2007	0145-0320	2012	0145-0357	SCIPP (71'-77'), OCR (98'-104', 135'-141')
Alley	Cushing Ave, East side of Street	SW1767	NN44-2-1		NN44-2	14	36	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1				1	0	Line OK		2007	0145-0320				
Street	Cushing Ave, East side of Street	SW1768	NN44-2	14	NN44-1	15.2	117	21	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0	Line OK		2007	0145-0320				
Street	Cushing Ave, East side of Street	SW1769	NN44-1	15.2	Blind Tap	NA	15	21	VCP	0.6	1	1	2.6	1	2.6	0				0	0	Line OK		2007	0145-0320				
Street	Donald Ave	SW1770	NN39-1		Blind Tap	NA	15	21	VCP	0.6	1	1	2.6	1	2.6	0				0	0	Line OK		2007	0145-0320				
Street	Donald Ave	SW1772	NN39-8	7.1	NN39-7	8.6	355	12	VCP	0.5	0.5	1	2	1	2	8		9		17	6	Pro lat(13', 102', 134', 138', 173', 213', 292', 317', 322'), Long Crack(158'), Mult. Cracks(181')		2007	0145-0320				
Street	Donald Ave	SW1773	NN39-7	8.6	NN39-6	10.4	346	15	VCP	0.6	0.5	1	2.1	1	2.1	9		4		13	9	Pro lat(21', 139', 175', 269'), Long Crack(17', 77', 226')		2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding Offset	Broken Pipe	Total in Service	Capped								
Street	Donald Ave	SW1774	NN39-6	10.4	NN39-5	10.8	456	18	VCP	0.6	0.5	1	2.1	1	2.1	16	1	4	2	23	10			2007	0145-0320	2012	0145-0357	SCIPP (448'-458')		
Street	Donald Ave	SW1775	NN39-5	10.8	NN39-4	12.2	455	21	VCP	0.6	0.5	1	2.1	2	4.2	17	2	1	3	2	25	2	Hvy Roots in lat(128'), Ll Roots in lat(172'), Pro lats(244', 296', 324'), Lt MD in lat(252'), Large OS in lat(328', 372'), Long. Crack(233'), Lt to Med Roots @ joints(100' to 150')		2007	0145-0320				
Street	Donald Ave	SW1776	NN39-4	12.2	NN39-3	13.4	355	21	VCP	0.6	0.5	1	2.1	2	4.2	7	4		4	3	18	0	Small OS in lat(73', 75'), Pro lats(108', 150', 152', 191'), Pro lat w/Hvy Roots(150'), Large OS in lat(198'), Ll to Med Roots @ joints(304'), Long. Crack(177')		2007	0145-0320				
Street	Donald Ave	SW1777	NN39-3	13.4	NN39-2	14.1	368	21	VCP	0.6	0.5	1	2.1	1	2.1	12		6	1	19	0	Pro lats(6', 32', 68', 70', 189', 223'), Large OS in lat(205')		2007	0145-0320					
Alley	Donald Ave	SW1778	NN39-2-2		NN39-2-1	11.3	84	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2		1		3	2				2007	0145-0320	2012	0145-0357	SCIPP (49'-55')	
Alley	Donald Ave	SW1779	NN39-2-1	11.3	NN39-2	14.1	32	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0				0	1	Point repair of mainline using brick as a collar(25')		2007	0145-0320					
Alley	Donald Ave	SW1780	NN39-2-3	10.9	NN39-2-2		122	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1		2		3	5	Pro lats(6', 75')		2007	0145-0320					
Street	Rausch Ave	SW1782	NN38-6	8.8	NN38-5	11.3	333	15	VCP	0.6	0.5	1	2.1	1	2.1	4		4	1	9	6	Pro lats(132', 149', 191', 203'), Small OS in lat(272')		2007	0145-0320					
Street	Rausch Ave	SW1783	NN38-5	11.3	NN38-4	12.7	458	18	VCP	0.6	0.5	1	2.1	1	2.1	14	8	2		24	1	Pro lats(9', 87'), Ll Roots in lat(140', 146', 212', 270', 443'), Hvy Roots in lat(209', 268', 441'), Ll Roots @ joints T/O, Med Roots @ joints were cut		2007	0145-0320					
Street	Rausch Ave	SW1784	NN38-4	12.7	NN38-3	14.6	457	21	VCP	0.6	0.5	1	2.1	2	4.2	7	3	3	4	17	1	Small OS in lat(50', 110'), Pro lats(52', 111', 337'), Hvy Roots in lat(150', 154'), Pro lat w/Lt Roots(117'), Ll to Med Roots @ joints(246'), Long. Crack(10', 231', 366', 427')		2007	0145-0320					
Street	Rausch Ave	SW1785	NN38-3	14.5	NN38-2	15.4	340	21	VCP	0.6	0.5	1	2.1	2	4.2	7	2	1	3	13	2	Large OS in lat(86', 282'), Small OS in lat(88'), Ll MD in lat(205', 264), Pro lat(233'), Structural Damage to mainline pipe @ MH(0'), Left broken piece of pipe from MH in line(285'), Piece of pipe removed		2007	0145-0320					
Street	Rausch Ave	SW1786	NN38-2	15.4	NN38-1	16.7	359	24	VCP	0.8	0.5	1	2.3	1	2.3	6	1	6	13	0	Small OS in lat(105', 284'), Large OS in lat(164', 166', 281'), Med MD in lat(335), Structural Damage to mainline pipe @ MH(0'), Left broken piece of pipe from MH in line(285'), Piece of pipe removed		2007	0145-0320						
Alley	Easement just north of Nine Mile East of Rausch	SW1787	NN38-1	16.7	NN32-1	18.2	329	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1		4		5	13	Line OK			2007	0145-0320				
Alley	Easement just north of Nine Mile East of Rausch	SW1788	NN32-1	18.2	*NN32-1A	13.3	30	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0			0	0	Construction debris in line, appears to be concrete(25')			2007	0145-0320					
Alley	Easement just north of Nine Mile East of Rausch	SW1789	*NN32-1A	13.3	*NN32-1B	13.3	241	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			1	10	Line OK			2007	0145-0320					
Street	Saxony Ave, East side of street	SW1790	*NN29-1A	11.2	NN29-1	20.5	35	12	VCP	0.5	0.5	1	2	1	2	0			0	0	Line OK			2007	0145-0320					
Street	Saxony Ave, West side of street	SW1791	NN29-1	20.5	Blind Tap	NA	150	60	RCP	1	0.5	1	2.5	1	2.5	0			0	0	Line OK			2007	0145-0320					
Field	Saxony Ave, West side of street	SW1792	NN29-4		NN29-3	19.5	835	60	RCP	1	0.5	0.5	2	1	2	14	18		32	0	Lt to Med MD @ lats T/O, Hvy MD in lat(694'), Line OK			2007	0145-0320					
Street	Saxony Ave, East side of street	SW1793	*NN29-2-3	8.3	*NN29-3A	10.4	281	12	CIPP	0.5	0.5	1	2	1	2	12	2		14	0				2007	0145-0320	2012	0145-0356	FCIPP		
Street	Saxony Ave, East side of street	SW1794	*NN29-2-3	8.3	*NN29-2-2	9.8	298	12	VCP	0.5	0.5	1	2	1	2	11	1	2	1	1	16	0				2007	0145-0320	2012	0145-0358	Burst
Street	Saxony Ave, East side of street	SW1796	*NN29-1B	9.9	*NN29-2-1	10.8	373	12	VCP	0.5	0.5	1	2	1	2	12	5	1		18	0				2007	0145-0320	2012	0145-0358	Burst	

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	Saxony Ave, East side of street	SW1797	*NN29-2-1	10.8	NN29-2	19.5	19	12	VCP	0.5	0.5	1	2	1	2	0					0	0		Line OK		2007	0145-0320				
Street	Saxony Ave, East side of street	SW1798	*NN29-1B	9.9	*NN29-1A	11.2	313	12	CIPP	0.5	0.5	1	2	1	2	16					16	0					2007	0145-0320	2012	0145-0358, 0145-0356	OCR (98'-118'), FCIPP
Street	Cushing Ave, West Side of Street	SW1799	NN42-6	21.6	NN42-4	21.9	121	72	RCP	1	1	1	3	2	6	0					0	0		Large OS in lat(66'), Long. Cracks(9', 38')			2007	0145-0320			
Alley	Easement West of Lambrecht and South of Bell	SW1801	NN29-8	19.2	NN29-5	19.6	302	60	RCP	1	0.5	0.5	2	1	2	0					0	1		Line Ok			2007	0145-0320			
Street	Saxony Ave, West side of street	SW1802	NN29-5	19.6	NN29-4		145	60	RCP	1	1	1	3	1	3	0					0	0		Line OK			2007	0145-0320			
Street	Tuscany Ave	SW1803	*NN24-7A	5.2	NN24-7	10.6	113	12	VCP	0.5	0.5	1	2	1	2	0					0	0					2007	0145-0320	2012	0145-0357	SCIPP (8'-14')
Street	Brittany Ave	SW1804	*NN21-6A	9.4	NN21-6	10.8	174	12	VCP	0.5	0.5	1	2	1	2	1	2	4	2	9	4			Pro lat(57', 61', 137', 139'), Lt MD in lat(113', 115'), Small OS in lat(153', 155')			2007	0145-0320			
Street	Normandy Ave	SW1805	*NN19-7A	8.8	NN19-7	10.3	111	12	VCP	0.5	0.5	1	2	1	2	3	1			4	0			Lt MD in lat(100'), Line OK			2007	0145-0320			
Street	Normandy Ave	SW1806	NN19-6	10.8	*NN19-5A	11.2	165	18	VCP	0.6	0.5	1	2.1	1	2.1	7		1		8	8			Pro lat(153'), Mult. Crack(88')			2007	0145-0320			
Street	Stephens East of Kelly	SW1807	E6-14	23.4	E6-15	23.2	44	36	RCP	0.8	1	1	2.8	1	2.8	0				0	0			Line in fair condition, Lt MD at joint(43')			2013	0145-0428			
Street	Kelly between Stephens and 9 Mile	SW1813	E6-14		E6-13	24.5	320	36	RCP	0.8	1	1	2.8	1	2.8	0				0	0			Line in fair condition, Lt Infiltration at joint(129')			2013	0145-0428			
Street	Kelly between Stephens and 9 Mile	SW1815	E6-13	24.5	E6-12	24.5	332	36	RCP	0.8	1	1	2.8	1	2.8	0				0	0			Line in fair condition, Lt MD at joints T/O			2013	0145-0428			
Easement	Easement between Lexington and Rosalind	SW1817	NN12-6	12.2	NN12-5	13.4	450	30	CIPP	0.8	0.5	0.5	1.8	1	1.8	10	8			18	20			Line in fair condition, Lt Roots in lat(99', 72', 113', 148', 152', 189', 192', 229'), Lt to Med Roots at joints T/O			2013	0145-0428	2016	0145-0481	FCIPP
Street	Kelly between Stephens and 9 Mile	SW1819	E6-12	24.5	E6-11	24.5	448	36	RCP	0.8	1	1	2.8	1	2.8	0				0	0			Line in fair condition, Lt Infiltration at joints(47', 335', 383')			2013	0145-0428			
Easement	Easement between Kelly and Petersburg	SW1820	NN4-7	10.4	NN4-7A	12.2	320	30	RCP	0.8	0.5	0.5	1.8	1	1.8	6				6	0			Line in fair condition, Lt MD at joint(275')			2013	0145-0428			
Easement	Easement South of Semrau	SW1821	NN12-5-4	10.9	NN12-5-3	13.5	156	21	VCP	0.6	0.5	0.5	1.6	3	4.8	1			1	3			Line in fair condition, Long. Crack(78'), Mult.Fracture(87'-145')			2013	0145-0428				
Easement	Easement between Dijon and Biscayne	SW1823	NN1-7-2-1	10.9	NN1-7-2	12	126	30	RCP	0.8	0.5	0.5	1.8	1	1.8	1			1	0			Line in fair condition, Lt MD at joint(411), Lt Roots at joints(114', 116')			2013	0145-0428				
Easement	Easement between Dijon and Biscayne	SW1824	NN1-7-1		NN1-7	11.4	314	33	RCP	0.8	0.5	0.5	1.8	1	1.8	6	2			8	0			Line in fair condition, Lt Roots in lat(14', 81')			2013	0145-0428			
Easement	Easement between Dijon and Biscayne	SW1825	NN1-7-2	12	NN1-7-1		188	30	RCP	0.8	0.5	0.5	1.8	1	1.8	3	1			4	0			Line in fair condition, Lt Roots in lat(26'), Lt Roots at joints(12', 39')			2013	0145-0428			
Easement	Easement between Almond and Kelly	SW1826	NN7-5	11.4	NN7-4	10.4	468	33	RCP	0.8	0.5	0.5	1.8	1	1.8	8	4			12	29			Line in fair condition, Lt Roots in late(92', 161', 368', 379'), Lt Roots at select joints T/O, Med OS in manhole(449', 457')			2013	0145-0428			
Street	Kelly between Stephens and 9 Mile	SW1827	E6-11	24.5	E6-10	25.3	323	36	RCP	0.8	1	1	2.8	1	2.8	0				0	0			Line in good condition, No defects observed			2013	0145-0428			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Easement	Easement between Kelly and Petersburg	SW1828	NN4-6	12.8	NN4-5		373	30	RCP	0.8	0.5	0.5	1.8	1	1.8	7	1				8	22	Line in fair condition, Lt Roots in lat(344), Circ. Fracture(90°)		2013	0145-0428		
Easement	Easement between Lexington and Rosalind	SW1829	NN12-5	13.4	NN12-4		467	33	RCP	0.8	0.5	0.5	1.8	1	1.8	9	12				21	6	Line in fair condition, Lt Roots in lat(35°, 80°, 84°, 121°, 124°, 161°, 201°, 204°, 244°, 289°, 408°, 415°), Lt Roots at joints T/O		2013	0145-0428		
Street	Schroeder Ave.	SW1830	*NN16-5	14.2	*NN16-4	15.6	460	30	RCP	0.8	0.5	1	2.3	1	2.3	14		2			16	5	Pro lat(214°, 334°), Med H2S damage T/O		2007	0145-0320		
Street	Kelly between Stephens and 9 Mile	SW1833	E6-10	25.3	E6-9	25.4	363	36	RCP	0.8	1	1	2.8	1	2.8	0					0	0	Line in fair condition, infiltration stain at joint(82°)		2013	0145-0428		
Easement	Easement between Kelly and Petersburg	SW1834	NN4-5	12.8	NN4-4	11.6	367	36	RCP	0.8	0.5	0.5	1.8	1	1.8	4	3				7	1	Line in fair condition, Lt Roots in lat(86°, 246°, 269°), Lt MD at joint(21°), Lt Roots at joints(105°-121°)		2013	0145-0428		
Easement	Easement between Roxana and Almond	SW1835	NN9-4	10	NN9-3	11.6	419	30	RCP	0.8	0.5	0.5	1.8	1	1.8	18	1				19	2	Line in fair condition, Lt roots in lat(79°), Lt Roots at joints(64°, 169°, 241°), Med OS joint(117°)		2013	0145-0428		
Easement	Easement between Lexington and Rosalind	SW1836	NN12-4	12.7	NN12-3		419	33	RCP	0.8	0.5	0.5	1.8	1	1.8	11	9				20	0	Line in fair condition, Lt Roots in lat(39°, 197°, 199°, 237°, 277°, 396°, 399°), Hwy Roots in lat(357°, 359°), Lt Roots at joints T/O		2013	0145-0428		
Street	Beaconsfield North of 9 Mile	SW1837	NN1-6	12.5	NN1-5	13	143	48	RCP	1	0.5	1	2.5	1	2.5	2					2	3	Line in fair condition, LT H2S damage T/O, Lt MD at joint(11°-143°)		2013	0145-0428		
Street	Kelly between Stephens and 9 Mile	SW1838	E6-9	25.4	E6-8	25	166	36	RCP	0.8	1	1	2.8	1	2.8	0					0	0	Line in fair condition, Lt Infiltration at joints(74°, 85°, 100°), Lt MD at joint(116°)		2013	0145-0428		
Street	Beaconsfield North of 9 Mile	SW1840	NN1-5	13	NN1-4	14	148	48	RCP	1	0.5	1	2.5	1	2.5	2					2	3	Line in fair condition, Lt H2S damage T/O, Lt MD at joints T/O, Tap Root at joint(103°)		2013	0145-0428		
Easement	Easement between Norton and Holbrook	SW1841	NN1-4-1	11	NN1-4		399	30	RCP	0.8	0.5	0.5	1.8	1	1.8	10		1			11	0	Line in fair condition, Pro lat(357°), Lt MD at joint(405°)		2013	0145-0428		
Street	Schroeder Ave.	SW1842	*NN16-4	15.6	*NN16-3A	14.2	230	30	RCP	0.8	0.5	1	2.3	1	2.3	6	1	3			10	6	Med MD in lat(106°), Pro lat(119°, 169°, 188°), Med H2S damage T/O		2007	0145-0320		
Easement	Easement between Almond and Kelly	SW1843	NN7-1-3	10.4	NN7-1-2	12	122, 301	30	RCP	0.8	0.5	0.5	1.8	1	1.8	2	3				5	0	Line in fair condition, Lt Roots in lat(122°), Lt Roots at joints T/O, Survey Abandoned(122°)-Hwy Roots from T/O, Reverse Set-up, Line 122°, 123°, 124°, 125°, 126°, 127°, 128°, 129°, 130°, Lt Roots in lat(103°, 261°-300°), Lt Roots at joints T/O, Survey Abandoned(122°)-Hwy Roots from T/O		2013	0145-0428		
Street	Schroeder Ave.	SW1845	*NN16-3A	14.2	*NN16-3	14.6	188	30	RCP	0.8	0.5	1	2.3	1	2.3	4	1	1			6	3	Pro lat(21°), Lt MD in lat(153°), Med H2S damage T/O		2007	0145-0320		
Street	Schroeder Ave.	SW1847	*NN16-3	14.6	*NN16-2	14.2	210	30	RCP	0.8	0.5	1	2.3	1	2.3	6					6	1	Med H2S damage T/O		2007	0145-0320		
Street	Schroeder Ave.	SW1848	*NN16-2	14.2	*NN16-1	14.4	77	30	RCP	0.8	0.5	1	2.3	1	2.3	0					0	2	Med H2S damage T/O		2007	0145-0320		
Street	Schroeder Ave.	SW1849	*NN16-1	14.4	*NN16		150	30	RCP	0.8	0.5	1	2.3	1	2.3	0	1				1	0	Lt MD in lat(81°), Line OK		2007	0145-0320		
Street	10 Mile Rd	SW1850	NN29-11-9	13	NN29-11-8	13	240	12	RCP	0.5	1	1	2.5	1	2.5	2					2	2	Line OK		2007	0145-0320		
Alley	Easement just East of Gratiot between Hauss Ave. and 10 Mile Rd.	SW1852	*NN42-13-7A		*NN42-13-7	11.3	164	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0		2			2	2	Pro lat(46°, 84°), Line OK		2007	0145-0320		
Rear Yard	Easement between 10 Mile Rd and Manchester	SW1853	NN42-13-7	11.3	NN42-13-6	11.6	278	15	VCP	0.6	0.5	0.5	1.6	1	1.6	6		3	3		12	0	Large OS in lat(67°), Pro lat(112°, 144°, 188°), Small OS in lat(207°, 255°)		2007	0145-0320		
Alley	Easement just East of Gratiot between Hauss Ave. and 10 Mile Rd.	SW1856	*NN42-13-7	11.3	*NN42-13-4A	11	182	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1		2			3	2	Pro lat(83°, 115°), Line OK		2007	0145-0320		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	Manchester Rd	SW1857	NN42-13-4-1	8.8	NN42-13-4A	11	67	12	VCP	0.5	0.5	1	2	1	2	0					0	3		Line Ok		2007	0145-0320				
Parking Lot	Manchester Rd	SW1864	NN42-13-4A	11	NN42-13-4A	11.8	368	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1	1	1	2		4	8				2007	0145-0320	2012	0145-0358	OCR (360'-368')	
Alley	Easement just East of Gratiot between Hauss Ave. and 10 Mile Rd.	SW1865	*NN42-13-4A-1	9.8	*NN42-13-4A	11	143	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1	1		2		3	2		Pro lats(83', 127'), Line Ok			2007	0145-0320			
Parking Lot	Easement just East of Gratiot between Hauss Ave. and 10 Mile Rd.	SW1866	*NN42-13-4A-2	10.7	*NN42-13-4A-1	9.8	21	12	RCP	0.5	0.5	0.5	1.5	1	1.5	0					0	0		Lt H2S damage T/O			2007	0145-0320			
Parking Lot	Easement just East of Gratiot between Hauss Ave. and 10 Mile Rd.	SW1867	*NN42-13-4A-2	10.7	NN42-13-3-1A-2	11.5	80	12	RCP	0.5	0.5	0.5	1.5	1	1.5	1					1	0		Line Ok			2007	0145-0320			
Parking Lot	Easement just East of Gratiot between Hauss Ave. and 10 Mile Rd.	SW1868	*NN42-13-3-1A-2	11.5	*NN42-13-3-1A-2	11.9	100	12	RCP	0.5	0.5	0.5	1.5	1	1.5	0					0	0		Line Ok			2007	0145-0320			
Street	Easement just East of Gratiot between Hauss Ave. and 10 Mile Rd.	SW1869	*NN42-13-3-1A-1	11.9	*NN42-13-3-1A	12.5	48	12	VCP	0.5	0.5	1	2	1	2	0					0	1		Line Ok			2007	0145-0320			
Street	Chesterfield	SW1870	NN42-13-3-2	11.6	NN42-13-3-1A	12.5	85	18	VCP	0.6	0.5	1	2.1	1	2.1	1					1	0		Line OK			2007	0145-0320			
Street	Chesterfield	SW1889	NN42-13-3-1	12.5	NN42-13-3	13.2	297	21	VCP	0.6	0.5	1	2.1	1	2.1	9		2	11	0				Small OS intats(53', 88'), Long. Crack(14', 180')			2007	0145-0320			
Street	Chesterfield	SW1890	NN42-13-3-1A	12.5	NN42-13-3-1	12.5	225	18	VCP	0.6	0.5	1	2.1	1	2.1	7		1	1	9	0			Small OS in lat(52'), Pro lat(207'), Long. Cracks(25', 67")			2007	0145-0320			
Alley	Easement just East of Gratiot between Hauss Ave. and 10 Mile Rd.	SW1891	*NN42-13-3-1B	10.4	*NN42-13-3-1A	12.5	213	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0		3		3	4			Pro lats(58', 96', 183'), Mult. Cracks(162')			2007	0145-0320			
Alley	Easement just East of Gratiot between Hauss Ave. and 10 Mile Rd.	SW1905	*NN42-13-3-1C	9.2	*NN42-13-3-1B	10.4	85	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1				1	2			Line Ok			2007	0145-0320			
Street	Hauss Ave	SW1906	NN42-13-2-2A		NN42-13-2-1	8.8	289	12	VCP	0.5	0.5	1	2	1	2	2		7		9	7			Pro lats(118', 153', 203', 252', 254', 269'), Line OK			2007	0145-0320			
Street	Hauss Ave	SW1907	NN42-13-2-1	8.8	NN42-13-2	13.8	337	15	VCP	0.6	0.5	1	2.1	1	2.1	5	2	6		13	2						2007	0145-0320	2012	0145-0358	OCR (84'-90' 271'-284')
Street	May Ave	SW1908	NN42-13-1-5	9.3	NN42-13-1-4	9.6	135	18	VCP	0.6	0.5	1	2.1	1	2.1	3	2			5	0		Lt Roots in lats(0', 9')	Line OK			2007	0145-0320			
Street	May Ave	SW1909	NN42-13-1-4	9.6	NN42-13-1-3		71	18	VCP	0.6	0.5	1	2.1	1	2.1	2	1			3	0		Lt Roots in lat(11')	Line OK			2007	0145-0320			
Street	May Ave	SW1910	NN42-13-1-3		NN42-13-1-2	9.7	81	18	VCP	0.6	0.5	1	2.1	1	2.1	4				4	0		Line Ok				2007	0145-0320			
Street	May Ave	SW1911	NN42-13-1-2	9.7	NN42-13-1-1	9.7	400	18	VCP	0.6	0.5	1	2.1	1	2.1	14	2			16	0		Lt Roots in lats(13', 117'), Mult. Cracks(55')				2007	0145-0320			
Street	May Ave	SW1912	NN42-13-1-1	9.7	NN42-13-1	14.3	38	18	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0		Line Ok				2007	0145-0320			
Street	Cushing Ave	SW1913	NN42-13-1	14.3	NN42-13	22.2	325	36	RCP	0.8	0.5	1	2.3	1	2.3	10				10	0		Line Ok				2007	0145-0320			
Parking Lot	Easement East of Gratiot Ave	SW1914	NN42-15-2	10.6	NN42-15-1	13.5	156	12	PVC	0.5	0.5	0.5	1.5	1	1.5	0				0	0		Line OK				2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Parking Lot	Easement East of Gratiot Ave	SW1915	NN42-15-3	9.8	NN42-15-2	10.6	109	12	PVC	0.5	0.5	0.5	1.5	1	1.5	0					0	0		Line OK		2007	0145-0320				
Parking Lot	Easement East of Gratiot Ave	SW1916	NN42-15-4	7.4	NN42-15-3	9.8	262	12	PVC	0.5	0.5	0.5	1.5	1	1.5	0					0	0		Line OK		2007	0145-0320				
Parking Lot	Easement East of Gratiot Ave	SW1917	NN42-15-5	8.4	NN42-15-4	7.4	92	12	PVC	0.5	0.5	0.5	1.5	1	1.5	0					0	0		Line OK		2007	0145-0320				
Street	Bell Ave, South side	SW1918	NN42-14-2	9.6	NN42-14-1	9.2	295	12	VCP	0.5	0.5	1	2	1	2	4	3				7	0		Lt Roots intals(9', 19'), Hwy Roots in int(48')		2007	0145-0320				
Street	Bell Ave, North side	SW1919	NN42-15	15.9	NN42-14	15.8	490	48	RCP	1	0.5	1	2.5	1	2.5	1					1	0		Lt MD @ joints T/O		2007	0145-0320				
Street	Bell	SW1920	NN42-14		NN42-14S		19	12	RCP	0.5	0.5	1	2	2	4	0					0	0		Large angular joint(4'), aligned down(18')	None	2016	0145-0458				
Street	Bell Ave, North side	SW1921	NN42-14	15.8	NN42-13	22.2	494	48	RCP	1	0.5	1	2.5	1	2.5	1					1	0		Line OK		2007	0145-0320				
Street	Bell Ave, South side	SW1922	NN42-14B	7.8	NN42-14A	11.6	393	12	VCP	0.5	0.5	1	2	1	2	15		4		19	0					2007	0145-0320	2012	0145-0358, 0145-0356	OCR (70'-105'), SCIPP (47'-67', 245'-251')	
Parking Lot	Easement East of Gratiot Ave	SW1923	NN42-15-1	13.5	NN42-15	15.9	50	12	PVC	0.5	0.5	0.5	1.5	1	1.5	0					0	0		Line OK		2007	0145-0320				
Parking Lot	Easement East of Gratiot Ave	SW1924	NN42-15A	11.5	NN42-15	15.9	78	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2					2	1		Video of lateral missing(50'), Line OK		2007	0145-0320				
Parking Lot	Easement East of Gratiot Ave	SW1925	NN42-15B	12.4	NN42-15A	11.5	169	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2		1		3	8				Pro Lst w/ Lt Roots(149'), Long Crack(44'), Survey Abandoned(189') ~ Hwy Debris in line. Debris not removed. No reverse set-up attempted. Entire line shown on DVD B1		2007	0145-0320			
Street	Forest Ave	SW1927	NN29-9-0-5	8.2	NN29-9-0-4	9.2	381	12	VCP	0.5	0.5	1	2	1	2	7	1	2		10	5				Pro lata(85', 113'), Hwy Roots in int(249'), Roots @ joints(240' to 270')		2007	0145-0320			
Street	Forest Ave	SW1928	NN29-9-0-4	9.2	NN29-9-0-3	8.6	383	18	VCP	0.6	0.5	1	2.1	2	4.2	8	3	2		13	4				Pro lata(166', 265'), Lt Roots in lata(217', 276'), Hwy Roots in int(265'), Roots @ joints(120' to 230'), Long. Cracks(344')		2007	0145-0320			
Street	Forest Ave	SW1929	NN29-9-0-3	8.6	NN29-9-0-2	10	379	18	VCP	0.6	0.5	1	2.1	1	2.1	11	1			12	3				Lt Roots in int(325'), Multi. Cracks(325'), Roots @ joints(300' to 330')		2007	0145-0320			
Street	Wilson Ave	SW1945	*NN42-9-4-1A	4.3	NN42-9-4-1	11.2	63	12	RCP	0.5	0.5	1	2	1	2	0					0	0		Line OK		2007	0145-0320				
Street	Wilson Ave	SW1946	NN42-9-4-1	11.2	NN42-9-4	11.3	75	18	VCP	0.6	0.5	1	2.1	1	2.1	2					2	0		Line OK		2007	0145-0320				
Alley	Wilson Ave	SW1947	NN42-9-4	11.3	NN42-9-4A		156	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2		4		6	6				Pro lata(30', 44', 182', 276'), Small OS in int(46'), Lt MD in int(234'), Long. Crack(35', 149')		2007	0145-0320			
Street	Wilson Ave	SW1948	NN42-9-3	11.8	NN42-9-2	12	424	18	VCP	0.6	0.5	1	2.1	1	2.1	12					12	3				Line OK		2007	0145-0320		
Street	Wilson Ave	SW1949	NN42-9-2	12	NN42-9-1	13.2	308	21	VCP	0.6	0.5	1	2.1	1	2.1	9	3			2	14	0			Small OS in lata(94', 293'), Lt Roots in lata(148', 194', 243')		2007	0145-0320			
Street	Cushing Ave	SW1950	NN42-9-1B	7.7	NN42-9-1A	8.6	149	12	RCP	0.5	0.5	1	2	1	2	2					2	0				Lt H2S damage T/O		2007	0145-0320		
Alley	Melrose Ave	SW1951	NN42-6-3-2	8.8	NN42-6-3-1	8.5	299	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0	1			1	10				Hvy Roots in int(173'), Line OK		2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Melrose Ave	SW1952	NN42-6-3-1A	7.8	NN42-6-3-1	8.5	156	12	VCP	0.5	0.5	1	2	1	2	4	1		5	3	Lt MD in lat(118'), Line OK		2007	0145-0320					
Street	Melrose Ave	SW1953	NN42-6-3-1	8.5	NN42-6-3	8.5	267	12	VCP	0.5	0.5	1	2	1	2	1		2	3	6	Pro lats(69', 183'), Line OK		2007	0145-0320					
Street	Bell Ave, North side of Street	SW1957	NN29-11	16.8	NN29-10	17	153	54	RCP	1	0.5	1	2.5	1	2.5	0	1		1	2	0	Lt Roots in lat(69'), Small OS in lat(57')		2007	0145-0320				
Street	Bell Ave, North side of Street	SW1958	NN29-12	16.2	NN29-11	16.8	316	54	RCP	1	0.5	1	2.5	1	2.5	4		2	6	0	Pro lat(105', 107')		2007	0145-0320					
Street	Bell Ave, South side of Street	SW1959	NN29-13	15.2	NN42-13	22.2	347	36	RCP	0.8	0.5	1	2.3	1	2.3	0			0	0	Line Ok		2007	0145-0320					
Street	Dwight Ave	SW1960	*NN29-13A	12.9	NN29-13	15.2	33	24	RCP	0.8	0.5	1	2.3	1	2.3	0			0	0	Line Ok		2007	0145-0320					
Street	Bell Ave, North side of Street	SW1961	NN42-13	22.2	NN29-13	15.2	359	48	RCP	1	0.5	1	2.5	1	2.5	6				6	0	Line Ok		2007	0145-0320				
Street	Dwight Ave	SW1962	NN29-13-1		*NN29-13A	12.9	108	24	RCP	0.8	0.5	1	2.3	1	2.3	0				0	0	Lt H2S damage T/O		2007	0145-0320				
Street	Dwight Ave	SW1963	NN29-13-2-1		NN29-13-2	11.2	296	18	VCP	0.6	0.5	1	2.1	1	2.1	9	1		10	0	Lt MD in lat(208'), Line OK		2007	0145-0320					
Street	Dwight Ave	SW1964	NN29-13-2	11.2	NN29-13-1		103	24	RCP	0.8	0.5	1	2.3	1	2.3	1		1	2	0	Lt H2S damage T/O, Pro lat(11')		2007	0145-0320					
Street	Dwight Ave	SW1965	NN29-13-2-2		NN29-13-2-1A	11.7	181	15	VCP	0.6	0.5	1	2.1	1	2.1	8				8	1	Line Ok		2007	0145-0320				
Street	Dwight Ave	SW1966	NN29-13-2-3	10.8	NN29-13-2-2		134	12	HDPE	0.5	0.5	1	2	1	2	4			1	5	0				2007	0145-0320	2012	0145-0358	Burst
Street	Dwight Ave	SW1967	NN29-13-2-1A	11.7	NN29-13-2-1		167	15	VCP	0.6	0.5	1	2.1	1	2.1	4	1		5	0	Lt MD in lat(94'), Line OK		2007	0145-0320					
Parking Lot	Dwight Ave	SW1968	NN29-13-2-7	10.8	NN29-13-2-6	11.2	21	10	RCP	0.5	0.5	0.5	1.5	1	1.5	0			0	0	MD @ joint(8')		2007	0145-0320					
Alley	Cushing Ave	SW1969	NN42-13-5A	8	NN42-13-5	11.6	163	10	CIPP	0.5	0.5	0.5	1.5	1	1.5	3		1	4	1				2007	0145-0320	2012	0145-0356	FCIPP	
Street	Cushing Ave	SW1970	NN42-13-6	11.6	NN42-13-5	11.6	32	18	VCP	0.6	0.5	1	2.1	1	2.1	0			0	0	Line Ok		2007	0145-0320					
Street	Cushing Ave	SW1972	NN42-13-4	11.8	NN42-13-3	13.2	308	21	CIPP	0.6	0.5	1	2.1	1	2.1	12		3	15	0	Small OS in lats(32', 90', 120')		2007	0145-0320					
Street	Cushing Ave	SW1973	NN42-13-3	13.2	NN42-13-2	13.8	321	27	RCP	0.8	0.5	1	2.3	1	2.3	10	2		12	0	Lt MD in lat(101', 108'), Lt MD @ joints T/O		2007	0145-0320					
Street	Cushing Ave	SW1974	NN42-13-2	13.8	NN42-13-1	14.3	309	30	RCP	0.8	0.5	1	2.3	1	2.3	11	1		12	0	Lt MD in lat(226'), Video very dark, can only see laterals		2007	0145-0320					
Street	Forest Ave	SW1975	NN29-9-0-2	10	NN29-9-0-1A		205	21	VCP	0.6	0.5	1	2.1	1	2.1	5		1	6	5	Pro lat(138')		2007	0145-0320					
Alley	Easement West of Lambrecht and South of Bell	SW1976	NN29-10	17	NN29-9	18	363	54	RCP	1	0.5	0.5	2	1	2	0			0	0	Line Ok		2007	0145-0320					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	Lambrecht Ave	SW1977	NN29-9-1	18.6	NN16-10-15	16.4	469	15	VCP	0.6	0.5	1	2.1	1	2.1	4	2	2	16		24	0		Line OK		2007	0145-0320				
Alley	Easement West of Lambrecht and South of Bell	SW1978	NN29-9	18	NN29-8	19.2	336	60	RCP	1	0.5	0.5	2	1	2	0					0	0		Long Crack(205)			2007	0145-0320			
Street	Cushing Ave, West Side of Street	SW1979	NN42-3		NN42-2		804	72	RCP	1	0.5	1	2.5	1	2.5	0					0	0		Line Ok			2007	0145-0320			
Street	Wilson Ave	SW1980	NN29-8-3	13	NN29-8-2	13.4	389	24	VCP	0.8	0.5	1	2.3	1	2.3	14	1	2	5		22	0		Small OS in lat(135', 335'), Lt MD in lat(235'), Pro lat(285', 387'), Large OS in lat(185', 335', 379')			2007	0145-0320			
Alley	Easement just South of 10 Mile Rd	SW1981	NN16-10-2-14	12.5	NN16-10-2-13	13.3	287	15	VCP	0.6	0.5	0.5	1.6	1	1.6	7	4	1	12	0							2007	0145-0320	2012	0145-0357	SCIPP (115'-121')
Street	Lambrecht Ave	SW1982	NN29-9-1-2	13.6	*NN29-9-1-A	14.3	195	21	VCP	0.6	0.5	1	2.1	1	2.1	2			3	5		10	0		Large OS in lat(158', 150', 189'), Pro lat(65', 105', 145'), Small OS in lat(69', 110')			2007	0145-0320		
Street	Forest Ave	SW1983	NN29-9-2	17.2	NN29-9-1	18.6	268	54	RCP	1	0.5	1	2.5	1	2.5	0					0	0		Line OK			2007	0145-0320			
Alley	Easement just North of Stephens	SW1984	NN16-10-15	16.4	*NN16-10-14A	16.8	116	27	RCP	0.8	0.5	0.5	1.8	1	1.8	7					7	0		Line Ok			2007	0145-0320			
Easement	Stephens Easement between Lexington and Rosalind	SW1985	NN16-10-6	18.2	NN16-10-7		123	30	RCP	0.8	0.5	0.5	1.8	1	1.8	3					3	3		Line in fair condition, Lt MD at joints(43', 98')			2013	0145-0428			
Easement	Stephens Easement between Lexington and Rosalind	SW1986	NN16-10-5	16.9	NN16-10-6	18.2	143	30	RCP	0.8	0.5	0.5	1.8	1	1.8	3					3	3		Line in fair condition, Lt MD at joints(54', 58', 67'-145')			2013	0145-0428			
Easement	Stephens Easement between Wilmet and Lexington	SW1987	NN16-10-4	17.3	NN16-10-5	16.8	138	30	RCP	0.8	0.5	0.5	1.8	1	1.8	1	1	2			4	2		Line in fair condition, Lt MD in lat(28', 87'), Hwy Roots in lat(105'), Lt MD at joints T/O			2013	0145-0428			
Easement	Stephens Easement between Wilmet and Lexington	SW1988	NN16-10-3	16.6	NN16-10-4	17.3	138	30	RCP	0.8	0.5	0.5	1.8	1	1.8	4					4	2		Line in fair condition, Lt MD at joints T/O			2013	0145-0428			
Easement	Stephens Easement between Schroeder and Wilmet	SW1989	NN16-10-2	17.8	NN16-10-3	16.6	154	30	RCP	0.8	0.5	0.5	1.8	1	1.8	4	1				5	1		Line in fair condition, Lt Roots in lat(99'), Lt MD at select joints T/O			2013	0145-0428			
Easement	Easement between Schroeder and Wilmet	SW1990	NN16-10-2-1	16	NN16-10-2	17.8	475	30	RCP	0.8	0.5	0.5	1.8	1	1.8	15	5				20	2		Line in fair condition, Med Roots in lat(94', 100', 135', 138'), Lt Roots in lat(254'), LHS damage T/O, Lt MD at joints T/O			2013	0145-0428			
Easement	Easement between Schroeder and Wilmet	SW1992	NN16-10-2-6	16.8	NN16-10-2-5	16	392	30	RCP	0.8	0.5	0.5	1.8	1	1.8	6	11	3			20	0		Line in fair condition, Hwy Roots in lat(27', 66'), Lt MD in lat(31'), Lt MD abandoned(66')-rootball from lateral, reversed side line in fair condition, Hwy Roots in lat(7', 10'), Sump Abandoned(10')-rootball from lateral			2013	0145-0428			
Street	Tuscany Ave	SW1993	NN29-9-2-5	9.3	*NN29-9-2-4A	10	135	15	VCP	0.6	0.5	1	2.1	1	2.1	5					5	3		Long Cracks(11', 58')			2007	0145-0320			
Alley	Easement just South of 10 Mile Rd	SW1994	NN16-10-2-13	13.3	NN16-10-12	10	32	18	VCP	0.6	0.5	0.5	1.6	1	1.6	1					1	0		Line Ok			2007	0145-0320			
Street	Brittany Ave	SW1995	NN29-9-3-5	8.8	*NN29-9-3-4A	9.3	140	15	VCP	0.6	0.5	1	2.1	1	2.1	5			3		8	3		Pro lat(38', 60', 77'), Long Cracks(17')			2007	0145-0320			
Street	Tuscany Ave	SW1996	NN29-9-2-4	12.2	NN29-9-2-3A	12	140	18	VCP	0.6	0.5	1	2.1	1	2.1	4			1		5	1		Small OS in lat(95'), Mult. Cracks(100' to 140'), Sewer Snake protruding out of lateral(57')			2007	0145-0320			
Street	Tuscany Ave	SW1997	NN29-9-2-3	12.8	*NN29-9-2-2A	13.2	159	21	VCP	0.6	0.5	1	2.1	1	2.1	4			2	4		10	0		Pro lat(11', 49'), Small OS in lat(75', 79', 116'), Large OS in lat(43')			2007	0145-0320		
Street	Brittany Ave	SW1998	NN29-9-3-3	13	*NN29-9-3-2A	13.3	233	21	VCP	0.6	0.5	1	2.1	2	4.2	4	1	2	8		15	0		Small OS in lat(8', 83', 119, 159, 162, 199), Large OS in lat(38', 43'), Pro lat(78', 128'), Lt MD in lat(123'), Long Crack(79', 220')			2007	0145-0320			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped									
Street	Forest Ave	SW1999	NN29-9-3	15.5	NN29-9-2	17.2	282	54	RCP	1	0.5	1	2.5	1	2.5	0					0	0		Line OK		2007	0145-0320					
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW2000	NN29-9-4	16.2	NN29-9-3	15.5	309	42	RCP	1	0.5	0.5	2	1	2	0					0	0		Line OK		2007	0145-0320					
Easement	Easement between Schroeder and Wilmet	SW2001	NN16-10-2-5	16	NN16-10-2-4	16	385	30	RCP	0.8	0.5	0.5	1.8	1	1.8	8	6	2		16	1			Line in fair condition, Hwy Roots in lats(72', 146', 152', 186', 191'). Lt MD in lat(106'). Producing lats(286', 271'), Lt MD and Hwy Roots at select joints T/O		2013	0145-0428					
Easement	Easement between Schroeder and Wilmet	SW2002	NN16-10-2-4	16.8	NN16-10-2-3	17.8	374	30	RCP	0.8	0.5	0.5	1.8	1	1.8	6	6	4		16	0			Line in fair condition, Hwy Roots in lats(56', 61', 235', 358'), Lt Roots in lats(104', 354'), Pro lats(299', 279', 319', 323'), Lt MD at joints T/O		2013	0145-0428					
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW2003	NN29-9-8		NN29-9-8A		176	21	VCP	0.6	0.5	0.5	1.6	1	1.6	3		1	5	9	0			Small OS in lats(42', 78', 82', 118', 156'), Pro lat(78')		2007	0145-0320					
Easement	Easement between Schroeder and Wilmet	SW2004	NN16-10-2-3	17.8	NN16-10-2-2	17.7	450	30	RCP	0.8	0.5	0.5	1.8	1	1.8	13	10			23	0			Line in fair condition, Hwy Roots in lats(196', 149', 190', 224', 343'), Hwy Roots in lats(229', 262', 270', 304', 309'), Lt MD at selected joints T/O		2013	0145-0428					
Easement	Easement between Schroeder and Wilmet	SW2005	NN16-10-2-2	17.7	NN16-10-2-1	16	296	30	RCP	0.8	0.5	0.5	1.8	1	1.8	6	7			13	0			Line in fair condition, Hwy Roots in lats(12', 95'), Lt Roots in lats(55', 59', 178', 183'), Lt MD at joints(18', 141', 196', 200')		2013	0145-0428					
Alley	Alley East of Gratiot between Stephens Ave. and Semrau Ave.	SW2006	NN54-6-4	10.8	NN54-6-4B	9.8	107	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0		1		1	0			Pro lat(63'), Metal Strip stuck in joint(104')		2007	0145-0320					
Alley	Alley East of Gratiot between Semrau Ave. and Aurora Ave.	SW2011	NN54-5-3-1A		NN54-5-3	8.9	90	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1		1		2	1			Pro lat(33'), Line OK		2007	0145-0320					
Alley	Alley East of Gratiot between Semrau Ave. and Aurora Ave.	SW2012	NN54-5-3	11.1	NN54-5-3AA		51	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1				1	1			Line OK			2007	0145-0320				
Street	Nicolai Ave.	SW2013	NN54-5-4	10.5	NN54-5-3	11.1	70	18	VCP	0.6	0.5	1	2.1	1	2.1					0				Line full of hard material that can't be seen b/c water level in pipe is too high, No video of line		2007	0145-0320					
Alley	Alley East of Gratiot between Semrau Ave. and Aurora Ave.	SW2014	NN54-4-4	11.8	NN54-4-4-1A	11.4	64	12	VCP	0.5	0.5	0.5	1.5	1	1.5	0				0	0			Line OK			2007	0145-0320				
Street	Evergreen Ave.	SW2015	NN54-4-5	11.9	NN54-4-4	11.8	79	18	VCP	0.6	0.5	1	2.1	1	2.1	2				2	2			Long Crack(40'), Lt MD @ joints T/O			2007	0145-0320				
Street	DEERFIELD BETWEEN GROVE AND GRATIOT	SW2018	NN66-7-2	11	NN66-7-1	18	454	18	RCP	0.6	0.5	1	2.1	1	2.1	9	2	8	1		20				Line in good condition, (lined pipe)			2011-2012	0145-0392	2012	0145-0356	FCIPP
Street	Hofer Ave.	SW2028	NN54-4-2	12.8	NN54-4-1	13.3	172	18	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0			Line OK			2007	0145-0320				
Street	Stephens Rd	SW2029	NN29-4-4		NN29-4-4A		116	27	RCP	0.8	1	1	2.8	1	2.8	2		1		3	0			Pro lat(82'), Debris left in MH 4A		2007	0145-0320					
Street	Cushing Ave, East side of Street	SW2030	NN44-6	10.4	NN44-6A	10.8	202	18	VCP	0.6	0.5	1	2.1	1	2.1	8		1		9	8			Pro lat(52'), Med Roots @ joints(60' to 120')		2007	0145-0320					
Street	Cushing Ave, East side of Street	SW2031	NN44-5A	12.1	NN44-4	13.3	140	21	VCP	0.6	0.5	1	2.1	1	2.1	6		1		7	0			Pro lat(12'), Line OK		2007	0145-0320					
Street	Donald Ave	SW2032	NN39-2	14.1	NN39-1		116	21	VCP	0.6	0.5	1	2.1	1	2.1	0				0	0			Line OK			2007	0145-0320				
Street	Saxony Ave, West side of street	SW2033	NN29-2	19.5	NN29-1	20.5	713	60	RCP	1	0.5	1	2.5	1	2.5	7		26		33	0			Lt MD in most lats T/O, Line OK		2007	0145-0320					
Street	Saxony Ave, East side of street	SW2034	*NN29-2-2	9.8	*NN29-2-1	10.8	301	12	VCP	0.5	0.5	1	2	1	2	13	1			14	0			Lt Roots in lat(181'), Line OK		2007	0145-0320					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Saxony Ave, West side of street	SW2035	NN29-3	19.5	NN29-2	19.5	908	60	RCP	1	0.5	1	2.5	1	2.5	19	25					44	0	Lt to Med MD @ lats T/O, Hy MD in lats(187', 268', 466'), Line OK		2007	0145-0320			
Street	Bell Ave, South side	SW2057	NN42-14A	11.6	NN42-14	15.8	39	12	VCP	0.5	0.5	1	2	1	2	0						0	0	Lt MD @ joints T/O		2007	0145-0320			
Alley	Wilson Ave	SW2065	*NN42-9-4-2		NN42-9-1	11.2	259	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2			3			5	6	Pro lats(160', 220', 205'), Lt to Med MD @ joints T/O		2007	0145-0320			
Alley	Wilson Ave	SW2070	NN42-9-4A		NN42-9-5	10.3	68	12	VCP	0.5	0.5	0.5	1.5	1	1.5									Line OK		2007	0145-0320			
Street	Wilson Ave	SW2071	NN42-9-4	11.3	NN42-9-3	11.8	406	18	VCP	0.6	0.5	1	2.1	1	2.1	12	1	4	1			18	0	Pro lats(36', 82', 130', 142'), Line OK		2007	0145-0320			
Street	Cushing Ave	SW2072	NN42-9-1A	8.6	NN42-9-1	13.2	45	12	VCP	0.5	0.5	1	2	1	2	0						0	0	Line OK		2007	0145-0320			
Street	Wilson Ave	SW2073	NN42-9-1	13.2	NN42-9	20.8	140	21	VCP	0.6	0.5	1	2.1	1	2.1	5			2			7	0	Pro lats(88', 112'), Line OK		2007	0145-0320			
Street	Bell Ave, North side of Street	SW2074	NN29-13	15.2	NN29-12	16.2	337	54	RCP	1	0.5	1	2.5	1	2.5	6						6	0	Line Ok		2007	0145-0320			
Street	Saxony Ave	SW2075	NN29-11-1	12.4	NN29-11-1A		169	24	VCP	0.8	0.5	1	2.3	1	2.3	3	1	3	4			11	0	Small OS in lats(26', 110'), Pro lats(67', 112', 118'), Large OS in lats(74', 150'), Hwy Roots in lat(153')		2007	0145-0320			
Field	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW2076	NN29-9-5	14.4	NN29-9-4	16.2	171	42	RCP	1	0.5	0.5	2	1	2	0						0	0	Line OK		2007	0145-0320			
Street	Brittany Ave	SW2077	NN29-9-3A		NN29-9-3	15.5	279	15	VCP	0.6	0.5	1	2.1	1	2.1	3		5	6			14	0			2007	0145-0320	2012	0145-0358	OCR (38'-48')
DPW Yard	Between 10 Mile Rd and Stephens, just West of Schroeder Ave	SW2078	NN29-9-11	10.8	NN29-9-11A		117	15	VCP	0.6	0.5	0.5	1.6	1	1.6	0		1			1	6	Pro lat(32'), Line OK		2007	0145-0320				
Street	Forest Ave	SW2079	NN29-9-0-1A		NN29-9-0-1	11.1	180	21	VCP	0.6	0.5	1	2.1	1	2.1	4		3	1	8	2	Pro lats(5', 34', 144'), Small OS in lat(154')		2007	0145-0320					
Street	Forest Ave	SW2080	NN29-9-0-1	11.1	NN29-9-0A		216	21	VCP	0.6	0.5	1	2.1	1	2.1	5		2	3			10	1	Pro lats(15', 103'), Small OS in lat(38', 50', 101'), Pro lat cut(198'), Poor cleaning of line, debris left in line		2007	0145-0320			
Street	Veronica Ave	SW2081	NS59-15	18.7	NS59-14	18.2	93	48	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Line OK		2007	0145-0320			
Street	Veronica Ave	SW2082	NS59-14	18.2	NS59-13	18.2	371	48	RCP	1	0.5	1	2.5	1	2.5	8	1					9	0	Lt MD in lat(31'), Line OK		2007	0145-0320			
Street	Veronica Ave	SW2083	*NS59-9-1C	18.4	*NS59-9-1D	18.2	354	42	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Line OK		2007	0145-0320			
Street	Veronica Ave	SW2084	*NS59-9-1E	18.5	NS59-16A		167	42	RCP	1	1	1	3	1	3	0						0	0	Lt MD at select joints T/O, Hard material/debris in line and jetter unable to remove		2007	0145-0320			
Street	Veronica Ave	SW2085	NS59-10	19.5	NS59-9	20	180	48	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Line OK		2007	0145-0320			
Street	Veronica Ave	SW2086	Chamber		*NS59-9-1A	19.7	183	42	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Line OK		2007	0145-0320			
Street	Veronica Ave	SW2087	*NS59-9-1B	17.7	*NS59-9-1C	18.4	354	42	RCP	1	0.5	1	2.5	1	2.5	0						0	0	Line OK		2007	0145-0320			

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Parking Lot	Easement between Jean Ave and Universal Ave	SW2088	NS59-9-0-2B	6	NS59-9-0-2A	7.9	18	18	VCP	0.6	1	0.5	2.1	1	2.1	0					0	1		Line OK		2007	0145-0320				
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW2089	NS59-6-11	12.8	NS59-6-10	12.7	160	30	RCP	0.8	0.5	1	2.3	1	2.3							0		Line in good condition			2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2090	NS6-13-15	15.3	NS6-13-14	16.1	155	42	RCP	1	0.5	0.5	2	1	2						0			Line in good condition			2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2091	NS6-13-17	15	NS6-13-16	15.3	153	42	RCP	1	0.5	0.5	2	1	2						0			Line in good condition			2011-2012	0145-0392			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2092	NS6-13-19	13.5	NS6-13-18	14	162	36	RCP	0.8	0.5	0.5	1.8	1	1.8						0	6		Line in good condition			2011-2012	0145-0392			
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2093	NS6-13-6-2A	12.5	NS6-13-6-2	15	164	30	RCP	0.8	0.5	0.5	1.8	1	1.8						0	3		Line in good condition			2011-2012	0145-0392			
Street	Mott East of Kelly	SW2094	B5-1-3	13.2	B5-1-2	13.8	298	10	VCP	0.5	0.5	1	2	4	8	11					11	0		Line in fair condition, Hole in manhole at invert(285), Hinge Fractures(285-298)			2015-2016	0145-0463			
Street	Mott East of Kelly	SW2095	B5-1-1	14.9	B5-1		265	10	VCP	0.5	0.5	1	2	1	2	9					9	0		Line in good condition, No defects observed			2015-2016	0145-0463			
Easement	Easement between Wilmot and Rosalind	SW2101	NS6-1-6	11.8	NS6-1-5A	12.1	128	15	CIPP	0.6	0.5	0.5	1.6	1	1.6	10					10	0		Line in fair condition, Grease Deposits(9', 19', 57')			2015-2016	0145-0463	2012	0145-0356	FCIPP
Street	Melrose Ave.	SW2122	NN54-4	14.8	NN54-3	14.8	354	36	RCP	0.8	0.5	1	2.3	1	2.3	15	1				16	2		Lt MD in lat(38'), Inf. @ joints(337', 349')			2007	0145-0320			
Street	Melrose Ave.	SW2123	NN54-2	15.7	NN54-1	15.8	131	36	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0		Line OK			2007	0145-0320			
Street	Melrose Ave.	SW2124	NN54-1	15.8	Blind Tap	NA	20	36	RCP	0.8	1	1	2.8	1	2.8	0					0	0		Line OK			2007	0145-0320			
Street	Bell Ave, North side	SW2126	NN42-16	16.3	NN42-15	15.9	106	48	RCP	1	0.5	1	2.5	1	2.5	0					0	0		Line OK			2007	0145-0320			
Street	Hauss Ave	SW2127	NN42-13-2-2	7.9	NN42-13-2-2A		37	12	VCP	0.5	0.5	1	2	1	2	1					1	2		Line OK			2007	0145-0320			
Street	Cushing Ave	SW2129	NN42-8	21.5	NN42-6	21.6	416	72	RCP	1	0.5	1	2.5	1	2.5	0					0	0		Moderate Infiltration @ joint(299')			2007	0145-0320			
Street	Cushing Ave	SW2130	NN42-9	20.8	NN42-8	21.5	174	72	RCP	1	0.5	1	2.5	1	2.5	0					0	0		Line OK			2007	0145-0320			
Street	Forest Ave	SW2131	NN42-11	20.8	NN29-9-0-2	10	9	18	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Line OK			2007	0145-0320			
Street	Cushing Ave	SW2132	NN42-13	22.2	NN42-11	20.8	352	72	RCP	1	0.5	1	2.5	1	2.5	0					0	0		Line OK			2007	0145-0320			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2133	NS6-13-20	13	NS6-13-19	13.5	145	36	RCP	0.8	0.5	0.5	1.8	1	1.8						0	5		Line in good condition			2011-2012	0145-0392			
Street	Boulder Ave	SW2134	NS61-1-4	21.8	NS61-1-3	11.2	102	12	VCP	0.5	0.5	1	2	1	2	4				1	5	0	Small OS in lat(24'), Small Pipe wedged in joint(22')			2007	0145-0320				
Street	WILMONT BETWEEN OAK AND TOEPPER	SW2136	NS6-11-1A	9	NS6-11-1	12	225	12	VCP	0.5	0.5	1	2	1	2	3	1			4			Line in good condition			2011-2012	0145-0392				

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Street	WILMONT BETWEEN OAK AND TOEPPER	SW2137	NS6-11-1B	7	NS6-11-1A	9	305	12	VCP	0.5	0.5	1	2	1	2	7							7		Line in fair condition, S2 (throughout)		2011-2012	0145-0392			
Street	WILMONT BETWEEN OAK AND TOEPPER	SW2138	NS14-7	10	NS14-6	13	28	12	VCP	0.5	0.5	1	2	2	4	1							1		Line in fair condition, CL (0-13)		2011-2012	0145-0392			
Street	WILMONT BETWEEN OAK AND TOEPPER	SW2139	NS14-7	9.2	NS14-8	8.4	126	12	CIPP	0.5	0.5	1	2	1	2	1							1				2011-2012	0145-0392	2013	0145-0429	FCIPP
Street	WILMONT BETWEEN OAK AND TOEPPER	SW2140	NS14-10	6.6	NS14-9	7	176	12	VCP	0.5	0.5	1	2	1	2	3							3		Line in fair condition, S2 (throughout)		2011-2012	0145-0392			
Easement	Easement West of Beaconsfield and North of Ash	SW2142	NS2-5-5		NS2-5-4A		104	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	1							1	0	Line in good condition, No defects observed		2015-2016	0145-0463	2012	0145-0356	FCIPP
Easement	Easement West of Beaconsfield and North of Ash	SW2143	NS2-6B		NS2-6A		142	33	CP	0.8	0.5	0.5	1.8	1	1.8	1							1	3	Line in fair condition, Lt Roots at joints(25'; 34')		2015-2016	0145-0463			
Easement	Easement West of Beaconsfield and North of Ash	SW2144	NS2-7	15.5	NS2-6B		168	30	CP	0.8	0.5	0.5	1.8	1	1.8	0			1		1	0		Line in fair condition, Pro lat(162'), Lt MD at joint(113')		2015-2016	0145-0463				
Easement	Easement North of Rosetta	SW2145	NS2-5-4A		NS2-6A		307	10	PVC	0.5	0.5	0.5	1.5	1	1.5	4							4	0	Line in good condition, No defects observed		2015-2016	0145-0463	2013	0145-0433	Burst
Alley	NORTH 8 MILE ALLEY BETWEEN CUSHING AND KELLY	SW2148	NS6-21A	12	NS6-21	12.5	256	24	RCP	0.8	0.5	0.5	1.8	1	1.8	11							11	10	Line in good condition		2011-2012	0145-0392			
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2150	NS6-13-6-6A	11.3	NS6-13-6-6B	10.6	106	12	VCP	0.5	0.5	0.5	1.5	1	1.5							0	4	Line in fair condition, CL (0-19)		2011-2012	0145-0392				
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2151	NS6-13-6-6	9.3	NS6-13-6-5A	8.6	158	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	3							3	6			2011-2012	0145-0392	2013	0145-0429	FCIPP
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2152	NS6-13-6-5	8.6	NS6-13-6-4A	12.5	167	27	RCP	0.8	0.5	0.5	1.8	1	1.8	1	1					2		Line in good condition		2011-2012	0145-0392				
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2153	NS6-13-6-4	13.6	NS6-13-6-3A	13.8	155	30	RCP	0.8	0.5	0.5	1.8	1	1.8	1						1	1	Line in good condition		2011-2012	0145-0392				
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2154	NS6-13-6-3	12.9	NS6-13-6-2A	12.5	162	30	RCP	0.8	0.5	0.5	1.8	1	1.8	1						1	7	Line in good condition		2011-2012	0145-0392				
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2155	NS6-13-6-2	15	NS6-13-6-1A	17	166	42	RCP	1	0.5	0.5	2	1	2							0	1	Line in good condition, DAJ (throughout)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW2156	NS6-13-11A	10	NS6-13-11	16	111	12	HDPE	0.5	0.5	0.5	1.5	1	1.5	4							4	2			2011-2012	0145-0392	2013	0145-0433	Burst
Easement	EASEMENT BETWEEN COLLINSON AND VERONICA	SW2157	NS6-13-13A	9.8	NS6-13-13	15.8	113	12	VCP	0.5	0.5	0.5	1.5	3	4.5	4						4	2	Line in poor condition, CL (throughout)		2011-2012	0145-0392				
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW2158	NS6-13-15	15.3	NS6-13-15A	9.7	120	12	HDPE	0.5	0.5	0.5	1.5	1	1.5	2						2				2011-2012	0145-0392	2013	0145-0433	Burst	
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW2159	NS6-13-19	10.8	NS6-13-19A	9.9	110	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4						4				2011-2012	0145-0392	2013	0145-0433	OCR (88';107')	
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW2160	NS6-13-21	10.9	NS6-13-21A	11.9	100	12	HDPE	0.5	0.5	0.5	1.5	1	1.5	3						3				2011-2012	0145-0392	2013	0145-0433	Burst	
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW2161	CB13-11-A	3	NS6-13-6-1	15.8	168	12	RCP	0.5	0.5	0.5	1.5	3	4.5	5						5		Line in poor condition, S2 (throughout), CL (138-168)		2011-2012	0145-0392				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Cushing	SW2162	NS6-13-6-2W	3	NS6-13-6-2		166	12	CIPP	0.5	0.5	1	2	1	2	5					5	0	No defects observed	None	2016	0145-0458			
Street	Cushing	SW2164	NS6-13-6-1AW		NS6-13-6-4-1A		15	8	PVC	0.5	0.5	1	2	1	2						0			None	2016	0145-0458			
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW2165	NS6-13-6-5B	9.9	NS6-13-6-5	14.1	71	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1			1		2		Line in good condition, B (62)			2011-2012	0145-0392		
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW2166	NS6-13-6-6B		NS6-13-6-6	11.7	67	12	VCP	0.5	0.5	0.5	1.5	3	4.5	2					2		Line in fair condition, CL (0-61)			2011-2012	0145-0392		
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW2167	NS6-13-19-3	10.6	NS6-13-19-2C		54	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2					2		Line in fair condition, CL (8), CM (11)			2011-2012	0145-0392		
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW2168	NS6-13-19-2C		NS6-13-19-2B		18	12	VCP	0.5	0.5	0.5	1.5	1	1.5						0		Line is in fair condition, CL (6-9)			2011-2012	0145-0392		
Alley	WEST KELLY ALLEY BETWEEN EGO AND TOEPPER	SW2169	NS6-15	15.4	NS6-14A	14.4	213	48	RCP	1	0.5	0.5	2	1	2	3					3	9	Line in good condition			2011-2012	0145-0392		
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW2170	BULKHEAD		NS6-13-24	14.7	22	30	RCP	0.8	0.5	0.5	1.8	1	1.8					0		Line in good condition			2011-2012	0145-0392			
Street	GROVE BETWEEN NORTH PARK AND 9 MILE	SW2171	NN66-4C	9.4	NN66-4A	10.4	59	12	RCP	0.5	0.5	1	2	1	2	1		1	2			Line in good condition			2011-2012	0145-0392			
Easement	ALMOND EASEMENT BETWEEN FOREST AND HAUSE	SW2172	NN1-7-17-5-1	10	NN1-7-17-5	14.9	274	10	RCP	0.5	0.5	0.5	1.5	3	4.5					0		Line in fair condition, SAV-C (Throughout)			2011-2012	0145-0392			
STREET	9 MILE	SW2201	N11A	19.5	N12A		96.4	12	RCP	0.5	1	1	2.5	1	2.5								NOTE LINE NOT ON MAP. JOM IN SPOTS THROUGHOUT; DAE THROUGHOUT; VCP TRAP AT US MH	NONE	2016	0145-0458			
Street	Mott East of Kelly	SW2234	B5-1-5	12.2	B5-1-4A	13.2	175	10	VCP	0.5	0.5	1	2	4	8	6		1		7	0	Line in fair condition, Pro lat(103), Long. Crack(160, 170)			2015-2016	0145-0463			
Street	Raven Ave North of 8 Mile Rd	SW2235	B5-6-4A	10.5	B5-6-4	10.2	16	10	VCP	0.5	0.5	1	2	1	2	0				0	0	Line in good condition, No defects observed			2015-2016	0145-0463			
Easement	Easement East of Kelly and North of Mott	SW2236	NS3-9	12.7	NS3-8A	11.8	126	24	CP	0.8	0.5	0.5	1.8	1	1.8	3				3	5	Line in good condition, No defects observed			2015-2016	0145-0463			
Easement	Easement East of Kelly and South of Oak	SW2237	NS3-4A		NS3-4		111	42	RCP	1	0.5	0.5	2	1	2	2				2	0	Line in good condition, No defects observed			2015-2016	0145-0463			
Street	Raven South of 9 Mile	SW2238	NS2-0	15.8	NS2		85	36	Brick	0.8	1	1	2.8	1	2.8	0			0	0	Line in fair condition, Sewer is Mostly Brick, Lt MD T/O			2015-2016	0145-0463				
Street	Raven South of Mott	SW2239	B5-1-4-2	11.7	B5-1-4-1	12	210	10	VCP	0.5	0.5	1	2	4	8	5				5	0	Line in fair condition, Mult. Fracture(165)			2015-2016	0145-0463			
Street	Veronica	SW2240	NS59-17BSW		NS59-17BSW		28	12	VCP	0.5	1	1	2.5	1	2.5	0				0	0	Lt Roots at joints T/O	None	2016	0145-0458				
Street	Beechwood	SW2241	NS59-25-2		NS59-25-2N		48	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(8), Lt Roots at joints T/O, Survey abandoned(28)-Heavy Roots	None	2016	0145-0458				
Street	Beechwood	SW2242	NS59-25-2		NS59-25-2NW		28	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(17), Med Roots at joints T/O, Survey abandoned(28)-Heavy Roots	None	2016	0145-0458				
Street	Beechwood	SW2243	NS59-25-2		NS59-25-2S		17	12	VCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458				

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Ego	SW2244	NS59-25-1	5.1	NS59-25-1N		30	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long Crack(10', 13', 15', 19'), Mult Crack(15'), Med OS joint(18', 23')	None	2016	0145-0458		
Street	Ego	SW2245	NS59-25-1		NS59-25-1W		7	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Jacob	SW2246	NS59-24-1	5.2	NS59-24-1NE		30	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Med OS joint(23', 25'), Lt Roots at joints(5', 12')	None	2016	0145-0458		
Street	Jacob	SW2247	NS59-24-2		NS59-24-2N		30	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Mult Crack(E', 8'), Long Crack(10', 16', 21'), Lt MD at joints(12', 15'), Size reduced to 10"(24")	None	2016	0145-0458		
Street	Jacob	SW2248	NS59-24-2	4	NS59-24-2W		12	10	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Beechwood	SW2249	BLIND TAP		NS59-24-3S		15	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joints(12', 13'), Survey abandoned(15')- Bend in line	None	2016	0145-0458		
Street	Beechwood	SW2250	NS59-24-3		NS59-24-3SW		38	12	VCP	0.5	0.5	1	2	2.3	4.6	1					1	0	Long Crack(13', 28'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Beechwood	SW2251	NS59-24-4		NS59-24-4N		17	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Beechwood	SW2252	NS59-24-4	3.4	NS59-24-4NW		27	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Rebar visible(12')	Dig Mainline	2016	0145-0458		
Street	Agnes	SW2253	NS59-21-2		NS59-21-2N		32	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult and Long. Cracks T/O	None	2016	0145-0458		
Street	Agnes	SW2254	NS59-21-1NE		NS59-21-1		30	12	VCP	0.5	0.5	1	2	2.6	5.2	0					0	0	Mult Crack(9', 10'-19', 25'), Lt Roots at joints(22', 26')	None	2016	0145-0458		
Street	Beechwood	SW2255	NS59-25-3		NS59-25-3S		13	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(7')	Dig Mainline	2016	0145-0458		
Street	Juliana	SW2256	NS59-26-1		NS59-26-1W		10	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Large OS joint and Med Roots(7')	None	2016	0145-0458		
Street	Juliana	SW2257	NS59-26-1		NS59-26-1S		24	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long Crack(8', 12', 13')	None	2016	0145-0458		
Street	Lincoln	SW2259	NS59-16-2-3	4	NS59-16-2-3N		24	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(9', 11', 12'), Lt MD at joint(15')	Dig Mainline	2016	0145-0458		
Street	Lincoln	SW2260	NS59-16-2-3	4	NS59-16-2-3W		10	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Collinson	SW2261	NS59-18-2		NS59-18-2NW		10	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Collinson	SW2262	NS59-18-2		NS59-18-2NE		27	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long Crack(9', 14'), Mult Crack(17'), Med OS joint(20', 22')	None	2016	0145-0458		
Street	Collinson	SW2263	NS59-18-1	3.3	NS59-18-1N		16	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(8', 16'), Lt Roots at joints T/O, Survey abandoned(16')-Roots	None	2016	0145-0458		
Street	Collinson	SW2264	NS59-18-1		NS59-18-1W		6	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Toepfer	SW2265	NS59-16-3-3	5.3	NS59-16-3-3N		7	12	PVC	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Toepfer	SW2266	NS59-16-3-3	7.2	NS59-16-3-3SE		26	12	VCP	0.5	1	1	2.5	3	7.5	0					0	0	Mult Crack(6', 10', 12', 14')	Dig Mainline	2016	0145-0458		
Street	Toepfer	SW2267	NS59-16-3-2A		NS59-16-3-2SW		40	12	VCP	0.5	1	1	2.5	1.6	4	0					0	0	Long. Crack(8', 12'), Mult Crack(9'), Med OS joint(12', 16', 20'-40')	None	2016	0145-0458		
Street	Toepfer	SW2268	NS59-16-3-4		BLIND TAP		10	12	VCP	0.5	1	1	2.5	1	2.5	1					1	0	Lt MD at joints(8', 10')	None	2016	0145-0458		
Street	Toepfer	SW2269	NS59-16-3-4SE		BLIND TAP		22	12	VCP	0.5	1	1	2.5	2	5	0					0	0	Long. Crack(11')	None	2016	0145-0458		
Street	Lincoln	SW2270	NS59-16-2-1NE		NS59-16-2-1NNW		28	12	VCP	0.5	1	1	2.5	1	2.5	0					0	0	Lt Roots at joints T/O	None	2016	0145-0458		
Street	Lincoln	SW2271	NS59-16-2-1NW		BLIND TAP		33	12	VCP	0.5	1	1	2.5	2.8	7	0					0	0	Long. Cracks T/O, Hinge Fracture(13'-22')	None	2016	0145-0458		
Street	Lincoln	SW2272	NS59-16-2-1SW	3	NS59-16-2-1SE		26	12	VCP	0.5	1	1	2.5	2	5	0					0	0	Circ. Fracture(25')	None	2016	0145-0458		
Street	Hayes	SW2273	NS59-16-2-1	4.7	NS59-16-2-1W		40	12	VCP	0.5	1	1	2.5	1	2.5	0					0	0	Med OS joint(11', 23', 29')	None	2016	0145-0458		
Street	Lincoln	SW2274	NS59-16-2-1SW	3.2	BLIND TAP		28	12	VCP	0.5	1	1	2.5	3.9	9.75	0					0	0	Mult Fracture(5'-13'), Hinge Fracture(7"-17'), Long. Crack(20')	Dig Mainline-Connect to MH NS59-16-2-1	2016	0145-0458		
Street	Veronica	SW2275	NS59-17BNW		NS59-17BN		28	12	VCP	0.5	1	1	2.5	2	5	0					0	0	Long. Crack(5', 7'), Circ. Fracture(24')	None	2016	0145-0458		
Street	Veronica	SW2276	NS59-17B		NS59-17BN		48	12	VCP	0.5	1	1	2.5	2.5	6.25	1					1	0	Long. And Mult. Cracks T/O, Lt Roots at joints(8', 11'), Size reduces to 4'(45')	None	2016	0145-0458		
Street	Veronica	SW2277	NS59-17-1ANE	3	BLIND TAP		32	12	VCP	0.5	0.5	1	2	2.8	5.6	0					0	0	Mult Fracture(5'), Mult Crack(6'-14', 22', 25', 27'), Hinge Fracture(12')	None	2016	0145-0458		
Street	Veronica	SW2278	NS59-17-1A	6	NS59-17-1ASE		45	12	VCP	0.5	0.5	1	2	2	4	1					1	0	Long. Cracks T/O, Mult Crack(28'), Med OS joint(10' 45')	None	2016	0145-0458		
Street	Lydia	SW2279	NS59-22-2A		NS59-22-2ANW		28	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Lydia	SW2280	NS59-22-2A	5.1	NS59-22-2AN		25	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Backflow preventer(24')	None	2016	0145-0458		
Street	Lydia	SW2281	NS59-22-1N	4.3	NS59-22-1NW		27	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Settled deposits(13')	None	2016	0145-0458		
Street	Lydia	SW2282	NS59-22-1ANW		NS59-22-1ANNW		28	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Surface roughness(5')	None	2016	0145-0458		
Street	Lydia	SW2283	NS59-22-1A		NS59-22-1ANW		25	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Circ. Crack(12'), Backflow preventer(23')	None	2016	0145-0458		
Street	Ego	SW2284	NS59-25		NS59-25W		15	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Ego	SW2285	NS59-25		NS59-25N		13	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Survey abandoned(13')-Large root mass	None	2016	0145-0458		
Street	Toepfer	SW2286	NS71-12NW	3.2	BLIND TAP		40	12	VCP	0.5	1	1	2.5	2.5	6.25	0					0	0	Long. Cracks T/O, Hinge Fracture(12', 19')	None	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Toepfer	SW2287	NS71-12N		BLIND TAP		26	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Long. Cracks T/O, Mult Crack(19', 23')	None	2016	0145-0458		
Street	Toepfer	SW2288	NS71-12	5.8	NS71-12NNE		71	12	VCP	0.5	1	1	2.5	2.5	6.25	3					3	0	Long. And Mult cracks T/O	None	2016	0145-0458		
Street	Toepfer	SW2289	NS71-12NE		BLIND TAP		25	12	VCP	0.5	1	1	2.5	2.3	5.75	0					0	0	Med OS joint(6'), Mult Crack(8', 11'), Long-Crack(17'), Lt MD at joint(24')	None	2016	0145-0458		
Street	Toepfer	SW2290	NS71-12	5	NS71-12E		30	12	VCP	0.5	1	1	2.5	1.8	4.5	1					1	0	Med OS joints T/O, Long. Crack(14', 18', 21')	None	2016	0145-0458		
Street	Toepfer	SW2291	NS71-12-1	5.1	NS71-12-1W		39	12	VCP	0.5	1	1	2.5	1.5	3.75	0					0	0	Med OS joint T/O, Long. Crack(19'), Med Roots at joints(11', 23'), Size reduces to 10'(27')	None	2016	0145-0458		
Street	Toepfer	SW2292	NS71-12-1	8	NS71-12-1NW		50	12	VCP	0.5	1	1	2.5	2.1	5.25	0					0	0	Long. Cracks T/O, Mult Crack(23')	None	2016	0145-0458		
Street	Lincoln	SW2293	NS59-16-2-3A		NS59-16-2-3AN		41	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Med OS joint(5', 10', 25', 33'), Long. Crack(10', 29')	None	2016	0145-0458		
Street	Lincoln	SW2294	NS59-16-2-3		NS59-16-2-3ANE		44	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Mult Crack(5', 20'), Long. Crack(17'), Spiral Crack(18', 42'), Med OS joint(23'-44')	None	2016	0145-0458		
Street	Beechwood	SW2295	NS59-21-4NW	2.6	BLIND TAP		37	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(8', 22', 25', 30'), Med OS joint(11', 17'), Lt Roots at joints(27', 30', 34', 37')	None	2016	0145-0458		
Street	Beechwood	SW2296	NS59-21-4N		NS59-21-4		72	12	VCP	0.5	0.5	1	2	4	8	1					1	0	Med OS joint(9', 65', 70'), Long. Crack(29', 34'), Hinge Fracture(37', 39'-43', 47'-54'), Hole with soil visible(63', 64'), Lt Roots at select joints T/O	Dig Mainline (60'-68') FC/PP	2016	0145-0458		
Street	Collinson Ave	SW2298	NS59-18-3		NS59-18-2	8.2	324	12	VCP	0.5	0.5	1	2	1	2	3	1	3		7	8	Pro lots(84', 140', 248'), Lt Roots in lot(176'), Mult. Crack(42'), Long. Crack(242')			2007	0145-0320		
Street	Lincoln	SW2301	NS59-16-2-3		NS59-16-2-3E		151	12	VCP	0.5	0.5	1	2	3	6	1				1	0	Long. Crack(10'), Mult Crack(84', 98', 101', 108', 117', 120', 122'), Lt Roots at joints T/O	FC/PP	2016	0145-0458			
Street	Lincoln	SW2302	NS59-16-2-3NE	4	BLIND TAP		18	12	VCP	0.5	0.5	1	2	5	10	0				0	0	Hinge Fracture(7'), Med Roots at joints(5', 9', 12', 18'), Survey abandoned(18')-Large Tap Root	None	2016	0145-0458			
Street	Lincoln	SW2303	NS59-16-2-2SW	3	NS59-16-2-2		144	12	VCP	0.5	0.5	1	2	2.5	5	3				3	0	Long. Crack(39', 122'), Mult Crack(118', 123', 135')	None	2016	0145-0458			
Street	Lincoln	SW2304	NS59-16-2-2WNW		BLIND TAP		29	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(6', 10', 14')	None	2016	0145-0458			
Street	Lincoln	SW2305	NS59-16-2-2W	4.6	BLIND TAP		13	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med Angular Joint(10')	None	2016	0145-0458			
Street	Veronica	SW2306	NS59-17B	5	NS59-17BS		128	12	VCP	0.5	1	1	2.5	2.4	6	0				0	0	Med OS joint(7', 11'), Mult Crack(11', 69', 93', 98', 115'), Size reduces to 4'(125')	None	2016	0145-0458			
Street	Sprenger	SW2307	NS59-9-2-6A		NS59-9-2-6AN		34	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Mult Crack(10', 14', 16'-34'), Long. Crack(22', 25', 28'), Lt MD at joints(10', 19')	None	2016	0145-0458			
Street	Sprenger	SW2308	NS59-9-2-6AN		NS59-9-2-6ANE		28	12	VCP	0.5	0.5	1	2	2.8	5.6					0			Dig Mainline	2016	0145-0458			
Street	Crusade	SW2309	NS59-9-4-4ASW		NS59-9-9AW		28	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints(12', 20', 23')	None	2016	0145-0458			
Street	Crusade	SW2310	NS59-9-9A		NS59-9-9AW		29	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Backflow preventer(28')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Crusade	SW2311	NS59-9-9A		NS59-9-9AN		30	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints(7', 23'), Backflow preventer(28')		None	2016	0145-0458			
Street	Crusade	SW2312	NS59-9-9AN		NS59-9-9ANE		28	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Crusade	SW2313	NS59-9-9AE		NS59-9-9A		54	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints T/O, Backflow preventer(52')			None	2016	0145-0458		
Street	Crusade	SW2314	NS59-9-9A	6	NS59-9-9ASSE		54	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Lt H2S damage(11', 32'), Lt MD at select joints T/O	Dig Mainline	2016	0145-0458				
Street	Crusade	SW2315	NS59-9-9ASSE	2.6	NS59-9-9AS		28	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Circ. Crack(20')		None	2016	0145-0458			
Street	Crusade	SW2316	NS59-9-4-4A	5.7	NS59-9-4-4		157	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Circ. Crack(110'), Lt MD at joints T/O		None	2016	0145-0458			
Street	Crusade	SW2317	NS59-9-4-4AS		NS59-9-4-4ASSE		28	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed		None	2016	0145-0458			
Street	Crusade	SW2318	NS59-9-4-4ASSE		NS59-9-4-4A		60	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed		None	2016	0145-0458			
Street	Crusade	SW2319	NS59-9-4-4AE	3	NS59-9-4-4A		59	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed		None	2016	0145-0458			
Street	Crusade	SW2320	NS59-9-4-4ANNW		NS59-9-4-4ANNE		28	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Settled deposits(7', 9')		None	2016	0145-0458			
Street	Crusade	SW2321	NS59-9-4-4A		NS59-9-4-4ANNW		26	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints(8', 21'), Backflow preventer(23')		None	2016	0145-0458			
Street	Crusade	SW2322	NS59-9-4-4A		NS59-9-4-4AW		29	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Backflow preventer(29')		None	2016	0145-0458			
Street	Crusade	SW2323	NS59-9-4-4AW		NS59-9-4-4ASW		29	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed		None	2016	0145-0458			
Street	Ego	SW2324	NS59-9-3-6ANW		NS59-9-3-6ANE		28	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints(8', 13', 16')		None	2016	0145-0458			
Street	Ego	SW2325	NS59-9-3-6A	5.3	NS59-9-3-6ANW		73	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(21'), Lt MD at joints(30', 34', 42', 69'), Backflow preventer(71')		None	2016	0145-0458			
Street	Ego	SW2326	NS59-9-3-6A	5.1	NS59-9-3-6ASW		40	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Circ. Crack(28'), Backflow preventer(39')		None	2016	0145-0458			
Street	Ego	SW2327	NS59-9-3-6ASW	3.1	NS59-9-3-6ASE		28	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(10')		None	2016	0145-0458			
Street	Crusade	SW2328	NS59-9-3-4A		NS59-9-3-4AW		33	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints(9', 19')		None	2016	0145-0458			
Street	Crusade	SW2329	NS59-9-3-4AW		NS59-9-3-4ANW		29	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at select joints T/O		None	2016	0145-0458			
Street	Crusade	SW2330	NS59-9-3-4A	4	NS59-9-3-4AN	3.2	65	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints T/O, Backflow preventer(64')		None	2016	0145-0458			
Street	Crusade	SW2331	NS59-9-3-4AN	2.2	NS59-9-3-4ANE		29	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Rebar Visible(16'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Crusade	SW2332	NS59-9-1-4A		NS59-9-1-4AN		53	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult Cracks T/O	Dig Mainline	2016	0145-0458		
Street	Crusade	SW2333	NS59-9-1-4AW		NS59-9-1-4ANW		26	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult. Crack(13')	Dig Mainline	2016	0145-0458		
Street	Crusade	SW2334	NS59-9-1-4A	7.3	NS59-9-1-4AW		37	12	VCP	0.5	0.5	1	2	2	4	0				0	0		Long. Crack(8', 16', 24'), Lt MD at joints(18', 28'), Size reduces to 4" w/backflow preventer(35')	None	2016	0145-0458		
Street	Hayes	SW2337	NS59-16-2-1	5.3	NS59-16-2-1NE		46	12	VCP	0.5	1	1	2.5	1.5	3.75	1				1	0		Large OS joint(2', 14'), Long. Crack(11', 16', 20', 42'), Pipe reduces to 4"(44')	None	2016	0145-0458		
Street	Lincoln	SW2338	NS59-16-2	4	NS59-16-2E		20	12	VCP	0.5	0.5	1	2	2	4	0				0	0		Long. Crack(6', 11'), Spiral Fracture(8'), Med OS joint(11')	None	2016	0145-0458		
Street	Lincoln	SW2339	NS59-16-2	3.6	NS59-16-2NE		31	12	VCP	0.5	0.5	1	2	2.1	4.2	0				0	0		Long. Cracks T/O, Mult. Crack(26')	None	2016	0145-0458		
Street	Veronica	SW2340	NS59-17A		NS59-17AE		18	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0		Spiral Fracture(5'), Long. Crack(7', 9')	None	2016	0145-0458		
Street	Veronica	SW2341	NS59-17A		NS59-17ANE		24	12	RCP	0.5	0.5	1	2	3	6	0				0	0		Hole(14'), compacted cement(22'-24')	Dig Mainline	2016	0145-0458		
Street	Brock	SW2343	NS59-9-1-6AN	2.4	NS59-9-1-6ANW		29	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult crack(7'-29')	Dig Mainline	2016	0145-0458		
Street	Collinson	SW2344	NS59-9-1-6BSE		NS59-9-1-6BE		29	12	VCP	0.5	0.5	1	2	2	4	0				0	0		Spalling(17', 24')	None	2016	0145-0458		
Street	Collinson	SW2345	Catch Basin	7.2	NS59-9-1-6BSE		50	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0		Mult and Long. Cracks T/O, Size reduction to 4"(46')	None	2016	0145-0458		
STREET	SPRENGER	SW2348	NS59-9-2-5A		NS59-9-2-5ASE		25	12	VCP	0.5	0.5	1	2	3	6					0			MULT CRACKS @ 12', 18' DEPOSITS @ 12', 18'	NONE	2016	0145-0458		
STREET	SPRENGER	SW2349	NS59-9-2-5A		NS59-9-2-5AW		14	10	VCP	0.5	0.5	1	2	2	4					0			LONG CRACKS @ 9' DEPOSITS THROUGHOUT ROOTS MED @ 9.5'	NONE	2016	0145-0458		
Street	Brock	SW2350	NS59-9-4-7		NS59-9-4-7NW		20	12	VCP	0.5	0.5	1	2	2	4	0				0	0		Mult Crack(6', 11'), Long. Crack(8'), Med OS joint(14'), Pipe reduces to 4"(18')	None	2016	0145-0458		
Street	Brock	SW2351	NS59-9-4-7NW		NS59-9-4-7NE		28	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult Crack(17', 19'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Brock	SW2352	NS59-9-12ANW	3.5	NS59-9-12ANE		28	12	RCP	0.5	0.5	1	2	1	2	0				0	0		No defects observed	None	2016	0145-0458		
Street	Brock	SW2353	NS59-9-12A		NS59-9-12ANW		24	12	RCP	0.5	0.5	1	2	1	2	0				0	0		Backflow preventer(23')	None	2016	0145-0458		
Street	Crusade	SW2354	NS59-9-2-4A	7.4	NS59-9-2-4AE		44	12	VCP	0.5	0.5	1	2	2.1	4.2	0				0	0		Long. Cracks T/O, Mult Crack(17', 22'), Size reduces to 4"(42')	None	2016	0145-0458		
Street	Crusade	SW2355	NS59-9-2-4AW	2	NS59-9-2-4ANW		28	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0		Long. Crack(6'), Mult Crack(14'), Roots(9')	None	2016	0145-0458		
Street	Crusade	SW2356	NS59-9-2-4A		NS59-9-2-4AW		34	12	VCP	0.5	0.5	1	2	3.5	7	0				0	0		Long. Crack(10', 15', 17'), Hinge Fracture(18', 21', 23'), Size reduces to 10'(28'), Backflow preventer(32')	Dig Mainline	2016	0145-0458		
Street	Crusade	SW2357	NS59-9-2-4A	7.4	NS59-9-2-4AN		58	12	VCP	0.5	0.5	1	2	3.1	6.2	0				0	0		Long. Crack(7', 9', 12', 14'), Hinge Fracture(20', 44'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Crusade	SW2358	NS59-9-2-4A	7.4	NS59-9-2-4ANNE		60	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Long Crack(8'; 11'; 13'; 29'; 34'; 38'; 49'; 51'); Hinge Fracture(16'), Lt MD at select joints T/O	None	2016	0145-0458		
Street	Toepfer	SW2359	NS59-12-3SW		NS59-12-3W		35	12	RCP	0.5	1	1	2.5	2	5	0					0	0	Long Crack(6'; 15'; 17'; 23'); Mult Crack(30'), Lt MD at select joints T/O	None	2016	0145-0458		
Street	Crusade	SW2360	NS59-12-1NW	2.9	NS59-12-1N		33	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Settled deposit(28')	None	2016	0145-0458		
STREET	VERONICA	SW2361	NS59-15SE		NS59-9-1ENE		25	10	RCP	0.5	0.5	1	2	2.5	5						0	0	MULT CRACK @ 16'; DEPOSITS THROUGHOUT	NONE	2016	0145-0458		
STREET	VERONICA	SW2362	NS59-15		NS59-15SE		29	10	RCP	0.5	0.5	1	2	3	6						0	0	MULT CRACKS @ 14'; 26'; LONG CRACKS @ 17'-25'; HOLE/REINFORCEMENT VISIBLE @ 17'	Dig Mainline	2016	0145-0458		
Street	Crusade	SW2363	NS59-9-9AE	2.8	NS59-9-9ASE		28	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Lt MD at joint(7")	None	2016	0145-0458		
Street	Crusade	SW2364	NS59-9-4-4AE		NS59-9-4-4ASE		28	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Universal	SW2365	NS59-9-4SW		Blind Tap		28	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long And Mult Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Universal	SW2366	NS59-9-4NW		NS59-9-4		51	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(6'-45'), Long Crack(14'-45'), Lt MD at joints T/O, Utility thru sewer(45')	None	2016	0145-0458		
Street	Ego	SW2367	NS59-9-3S		NS59-9-3SW		28	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Ego	SW2368	NS59-9-3		NS59-9-3NW		73	10	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Mult Crack(11'; 22'; 23'-73'), Long Cracks(19'; 52'-73'), Long Fracture(53'; 55'), Size increases to 12'(14')	None	2016	0145-0458		
STREET	STRICKER	SW2369	NS59-9-6A		NS59-9-6AW		48	12	VCP	0.5	0.5	1	2	2.5	5						0	0	LONG CRACKS @ 6'-40'; MAT CHANGE @ 42' (RCP), 45' (PVC)	NONE	2016	0145-0458		
STREET	EGO	SW2371	NS59-9-3-1		NS59-9-3-1NW		37	10	RCP	0.5	0.5	1	2	3	6						0	0	MULT CRACKS @ 23'; DEPOSITS @ 23'	NONE	2016	0145-0458		
Street	Collinson	SW2373	NS59-9-1-2S		NS59-9-1-2N		29	10	VCP	0.5	0.5	1	2	3.2	6.4	0					0	0	Mult Crack and Fracture(16'; 21'; 23'; 25'), Lt MD at joints(8'-12'; 14'), Mortar in line(25')	Dig Mainline	2016	0145-0458		
Street	Crusade	SW2375	NS59-9-2-4AE	3.2	NS59-9-2-4ANE		26	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(20'), Large angular joint(23')	None	2016	0145-0458		
STREET	SPRENGER	SW2376	NS59-9-2-3NW		NS59-9-2-3NNW		26	12	VCP	0.5	0.5	1	2	3	6					0	0	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	2016	0145-0458			
STREET	SPRENGER	SW2377	NS59-9-2-3NW		NS59-9-2-3NE		94	12	VCP	0.5	0.5	1	2	2.9	5.8					0	0	MULT CRACKS @ 48'-END OF LINE; DEPOSITS THROUGHOUT	NONE	2016	0145-0458			
Street	Redmond	SW2379	NS59-8-7NW		BLIND TAP		35	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long Crack(9'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Redmond	SW2380	NS59-8-5		NS59-8-5SW		70	12	VCP	0.5	0.5	1	2	2.1	4.2	0				0	0	Mult Crack(6'-70'), Med OS joint(6'; 17'; 21'; 34'), Lt MD at joint(35')	None	2016	0145-0458			
Street	Redmond	SW2381	NS59-8-4		NS59-8-4SW		37	12	VCP	0.5	0.5	1	2	1.3	2.6	0				0	0	Long Crack(7'), Med OS joint(6'; 17'; 21'; 34'), Lt MD at joint(35')	None	2016	0145-0458			
Street	Redmond	SW2382	NS59-8-3		NS59-8-3SW		66	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Mult Crack(6'-66'), Med OS joint(6'; 17'; 13'), Long Crack(40'; 46'; 51'), Lt MD at joints T/O	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Redmond	SW2383	NS59-8-3		NS59-8-3NW		100	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Mult crack(7", 11"-10'), Med OS joints and Long, Cracks at various locations T/O, Lt MD at joints T/O	None	2016	0145-0458		
STREET	EGO	SW2384	NS59-8-3-1W		NS59-8-3-1NW		26	12	VCP	0.5	0.5	1	2	3	6						0		MULT CRACKS THROUGHOUT, DEPOSITS THROUGHOUT		2016	0145-0458		
STREET	EGO	SW2385	NS59-8-3-1		NS59-8-3-1W		43	12	VCP	0.5	0.5	1	2	2.8	5.6						0		MULT CRACKS @ 10', 18', 39'; LONG CRACK 2 40'	NONE	2016	0145-0458		
STREET	SPRENGER	SW2387	NS59-9-2		NS59-9-2NW		44	12	VCP	0.5	0.5	1	2	2.4	4.8						0		LONG CRACKS THROUGHOUT, DEPOSITS THROUGHOUT, ALIGNMENT LEFT @ 34°, CB CALLED 10' FROM THIS POINT	NONE	2016	0145-0458		
Street	Redmond	SW2388	NS59-8-2	4.5	NS59-8-2SW		36	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long, Crack(8", 27", 29'), Med OS joint(11"-27'), Hole(33'), Pipe reduces to 10"(33")	Dig Mainline	2016	0145-0458		
Street	Veronica	SW2390	NS59-9AN	2.4	NS59-9ANW		27	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Veronica	SW2391	NS59-9-1ASE	2.2	NS59-9-1AE		28	12	RCP	0.5	0.5	1	2	2	4	0					0	0	Long, Crack(11", 16", 19'), Cement in line(5'28')	None	2016	0145-0458		
Street	Redmond	SW2392	NS59-8		NS59-8NW		46	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Mult and Long, Cracks T/O, Pipe reduces to 10"(43")	None	2016	0145-0458		
Street	Redmond	SW2393	NS59-8-1	4.3	NS59-8SW		30	12	VCP	0.5	0.5	1	2	1.3	2.6	0					0	0	Med OS joint(9", 16", 21", 24'), Long, Crack(15", 17")	None	2016	0145-0458		
Street	Redmond	SW2394	NS59-8		NS59-8-1NW		48	12	VCP	0.5	0.5	1	2	2	4	1					1	0	Med OS joint T/O, Mult Crack(14"-42")	None	2016	0145-0458		
Street	Universal	SW2395	NS59-9-0-1A	7.2	NS59-9-0-1ANNW		99	12	VCP	0.5	1	1	2.5	3	7.5	1					1	0	Mult Crack(6", 80"), Lt MD at joints T/O	FCIPP	2016	0145-0458		
Street	Universal	SW2396	NS59-9-0-1ANW		Blind Tap		30	12	VCP	0.5	1	1	2.5	2.7	6.75	0					0	0	Long, Crack(17'), Mult Crack(18", 21'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Toepfer	SW2397	NS59-12-6	4.1	NS59-12-5SE		15	12	VCP	0.5	1	1	2.5	3	7.5	0					0	0	Mult Crack(9")	Dig Mainline	2016	0145-0458		
Street	Toepfer	SW2398	NS59-12-6	4.1	NS59-12-5NE		36	12	VCP	0.5	1	1	2.5	2	5	0					0	0	Long, Cracks T/O, Med OS Joints(16"-36")	None	2016	0145-0458		
Street	Jean	SW2399	NS59-12-6SW	2.8	NS59-12-6SE		29	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult cracks and Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Jean	SW2400	NS59-9-0-3A	11.3	NS59-12-6SW		54	12	VCP	0.5	0.5	1	2	3.3	6.6	1		1	1	3	0	Mult Crack(5", 8"-16", 17", 23", 26"-54"), Hinge Fracture(9"-16"), Deformed(10", 18"), Broken(31")	Dig Mainline	2016	0145-0458			
Street	Crusade	SW2401	NS59-12-1	7.3	NS59-12-1N		30	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Backflow preventer(29")	None	2016	0145-0458		
Street	Jean	SW2402	NS59-9-0-3N		NS59-9-0-3NW	3.7	29	12	VCP	0.5	0.5	1	2	2	4	1				1	0	Med OS joint(8", 13"-29"), Mult Crack(10"-29"), Size reduces to 10"(23")	None	2016	0145-0458			
Street	Stricker	SW2408	NS59-8-15	7	NS59-8-15A		363	15	VCP	0.6	0.5	1	2.1	2	4.2	1				1	3	Long, Crack(27", 32"), Cox line two splices(32"), Lt MD at joints T/O	None	2016	0145-0458			
Street	Juliana	SW2409	NS6-13-21-4		NS6-13-21-4NW		151	12	VCP	0.5	0.5	1	2	3	6	1				1	0	Long, Fracture(5", 10", 121"), Long, Crack(14", 31", 71", 114", 117"-121"), Survey abandoned(126") - Cement, Reverse - Lt MD at joints(6'(25"), Survey abandoned(22') - Cement	Dig Mainline (123'-128') FCIPP	2016	0145-0458			
Street	Juliana	SW2410	NS6-13-21-4N		Blind Tap		5	12	VCP	0.5	0.5	1	2	4	8	0				0	0	Mult Fracture(3")	Dig Mainline (0'-5') Build MH	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Total in Service	Capped	PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe								
Street	Juliana	SW2411	NS59-6-14-1NW		NS59-6-14-1N		28	10	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458			
Street	Juliana	SW2412	NS59-6-14-1NW		NS59-6-14-1		126	10	VCP	0.5	0.5	1	2	2.4	4.8	0					0	0	Mult Crack(6', 11'-18'), Long. Crack(12', 30', 48', 103'), Lt MD at select joints T/O	None	2016	0145-0458			
Street	Virginia	SW2415	NS59-8-0-4	4.8	NS59-8-0-4SE		74	12	RCP	0.5	0.5	1	2	1.5	3	1					1	0	Spiral Crack(5'), Med OS joint(57'), Med Roots at joints(8', 11', 20'), Lt MD at joints(14', 17', 23', 26', 41')	None	2016	0145-0458			
Street	Virginia	SW2416	NS59-8-0-3SE	2.4	NS59-8-0-3S		95	12	RCP	0.5	0.5	1	2	1.5	3	0					0	0	Long. Crack(32'), Med OS joint(89'), Lt Roots at joints(20', 26'), Lt MD at joints(42', 51', 54')	None	2016	0145-0458			
Street	Virginia	SW2417	NS59-8-0-3SE	2.5	NS59-8-0-3S		34	10	PVC	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(7', 9')	None	2016	0145-0458			
Street	Virginia	SW2418	NS59-8-0-3	6.2	NS59-8-0-3NE		40	10	RCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. Crack(5', 7'-14', 31', 33'), Hinge Fracture(35'), Size reduces to 8"(38")	None	2016	0145-0458			
Street	Sprenger	SW2419	NS59-6-10NW		BLIND TAP		34	12	RCP	0.5	0.5	1	2	1.7	3.4	0					0	0	Med OS joint(23', 32'), Mult Crack(32')	None	2016	0145-0458			
Street	Sprenger	SW2420	NS59-6-10		NS59-6-10SW		58	12	RCP	0.5	0.5	1	2	1.7	3.4	1				1	0	Med OS joint(28', 36'), Mult Crack(29')	None	2016	0145-0458				
Street	Sprenger	SW2421	NS59-6-10		NS59-6-10NE		18	12	RCP	0.5	0.5	1	2	2	4	0					0	0	Large angular joint(15')	None	2016	0145-0458			
Street	Sprenger	SW2422	NS59-6-10		NS59-6-10SE		22	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Lt MD at joint(8'), Mult Crack(21')	Dig Mainline	2016	0145-0458			
Street	Sprenger	SW2423	NS6-13-17-4N	2.1	BLIND TAP		6	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(5')	None	2016	0145-0458			
Street	Sprenger	SW2424	NS6-13-17-4		NS6-13-17-4NW		175	12	VCP	0.5	0.5	1	2	2.5	5	1				1	0	Mult crack(5', 10', 26', 89', 108', 121'), Long. Crack(11', 37', 51', 102', 131', 137', 141'), Lt MD at joints T/O	None	2016	0145-0458				
Street	Sprenger	SW2425	NS59-6-11-1NW		NS59-6-11-1		173	12	RCP	0.5	0.5	1	2	2.5	5	1				1	0	Spiral Crack(8', 121', 154'). Long. And Mult cracks at various locations T/O; Lt MD at joints T/O	None	2016	0145-0458				
Street	Sprenger	SW2426	NS59-6-11-1N		BLIND TAP		8	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458				
Street	Virginia	SW2427	BLIND TAP		NS59-8-0-2NNE		4	6	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Alignment down(3')	None	2016	0145-0458			
Street	Virginia	SW2428	NS59-8-0-2		NS59-8-0-2NE		63	10	RCP	0.5	0.5	1	2	2.5	5	1				1	0	Long. Crack(7'), Mult Crack(17'), Lt MD at joints T/O	None	2016	0145-0458				
Street	Virginia	SW2429	NS59-8-0-2		NS59-8-0-2E		36	10	RCP	0.5	0.5	1	2	1	2	1				1	0	Med OS joint(8'), Lt MD at joints(16', 22', 27')	None	2016	0145-0458				
Street	Boulder	SW2430	NS59-6-8W		BLIND TAP		32	12	RCP	0.5	0.5	1	2	2.1	4.2	0				0	0	Long. Crack(6', 12', 17', 21', 32'), Mult Crack(30'), Gravel(8'), Lt MD at joint(9')	None	2016	0145-0458				
Street	Boulder	SW2431	NS59-6-8		NS59-6-8SW		60	12	RCP	0.5	0.5	1	2	2.2	4.4	1				1	0	Med OS joint(12'), Mult Crack(29'), Long. Crack(43', 54'), Pipe reduces to 10"(58")	None	2016	0145-0458				
Street	Boulder	SW2432	NS59-6-8SE		BLIND TAP		30	12	RCP	0.5	0.5	1	2	2.5	5	1				1	0	Long. Crack(7', 8'-30'), Mult Fracture(29')	None	2016	0145-0458				
Street	Boulder	SW2433	NS59-6-8		NS59-6-8E		15	12	RCP	0.5	0.5	1	2	2	4	1				0	0		None	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped				
Street	Collinson	SW2436	NS59-6-9-1N		NS59-6-9-1NW		27	10	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Collinson	SW2437	NS59-6-9-1N		NS59-6-9-1		152	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Virginia	SW2438	NS59-8-0NNE	3	BLIND TAP		26	10	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(8', 10', 19'), Rocks and Gravel(11', 15')	None	2016	0145-0458		
Street	Virginia	SW2439	NS59-8-0A		NS59-8-0		152	10	RCP	0.5	0.5	1	2	2.4	4.8	2				2	0	Long. Cracks T/O, Lt MD at select joints T/O, Size reduced to 6'(1497)	None	2016	0145-0458		
Street	Veronica	SW2440	NS59-6-6W		BLIND TAP		75	12	RCP	0.5	0.5	1	2	2	4	1				1	0	Long. Crack(16', 67'-75'), Med OS joint(21', 24', 61'), Mult Crack(61', 73'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Veronica	SW2441	NS59-6-6		NS59-6-6SW		60	12	RCP	0.5	0.5	1	2	2	4	1				1	0	Med OS joint(7', 47'), Long. Crack(26', 28', 34', 36'-60'), Mult Crack(52')	None	2016	0145-0458		
Street	Veronica	SW2442	NS59-6-6		NS59-6-6NW		52	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Cracks T/O	None	2016	0145-0458		
Street	Veronica	SW2443	NS59-6-6		NS59-6-6SSW		19	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Cracks T/O	None	2016	0145-0458		
Street	Veronica	SW2444	NS6-13-13-4NW		NS6-13-13-4		175	12	RCP	0.5	0.5	1	2	2	4	1				1	0	Long. Cracks T/O and Lt MD at joints T/O	None	2016	0145-0458		
Street	Veronica	SW2445	NS6-13-13-4NW	3.2	BLIND TAP		5	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(1")	None	2016	0145-0458		
Street	Lincoln	SW2446	NS6-13-11-5N		NS6-13-11-5NW		15	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack T/O, Lt MD at joint(11')	None	2016	0145-0458		
Street	Lincoln	SW2447	NS59-6-5AN		NS59-6-5ANW		17	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Lincoln	SW2448	NS59-6-5AN		NS59-6-5A		157	12	RCP	0.5	0.5	1	2	2.5	5	0				0	0	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Lincoln	SW2449	NS59-6-3A		NS59-6-3NE		18	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long. Crack(5'), Mult Crack(9'), Lt MD at joints(10', 14'), Lt Roots at joints(15', 18')	None	2016	0145-0458		
Street	Lincoln	SW2450	NS59-6-3A		NS59-6-3E		27	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Mult Crack(11'-27'), Long. Crack(18'-27'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Lincoln	SW2451	NS59-6-4NW		NS59-6-4NNW		17	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Lincoln	SW2452	NS59-6-4		NS59-6-4NW		57	12	RCP	0.5	0.5	1	2	2.5	5	1				1	0	Long. Fracture(5'), Mult Crack(13', 38'), Long. Crack(33'-57'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Lincoln	SW2453	NS59-6-3W		NS59-6-3NW		50	12	VCP	0.5	0.5	1	2	3.2	6.4					0			Dig Mainline	2016	0145-0458		
Street	Lincoln	SW2454	NS59-6-3A		NS59-6-3W		53	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Mult Cracks T/O, Long. Crack(39'), Med OS joint(46'), Lt MD at joint(5')	None	2016	0145-0458		
Street	Lincoln	SW2458	NS59-6-1BSSW		NS59-6-1B		16	12	VC	0.5	0.5	1	2	1	2				0	0	Lt MD at joints T/O, Survey abandoned(16')-Mineral Deposits	None	2016	0145-0458			
Street	Lincoln	SW2459	NS59-6-1BSW		Blind Tap		6	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(5')	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding Offset	Broken Pipe	Total in Service	Capped						
Street	REDMOND BETWEEN VERONICA AND 8 MILE	SW2460	NS59-8-7	8.5	NS59-8-6	8.7	94	12	VCP	0.5	0.5	1	2	1	2	2					2	4	Line in fair condition, Lt MD (0' - 4'), Lt MD cut (4' - 6'), Multiple Cracks (11.2'), MWL (20', 54')		2011-2012	0145-0392		
Street	Redmond	SW2461	NS59-8-5		NS59-8-5S		47	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Mult Crack(8', 22'-47'), Med OS joint(11', 22'), Long Crack(23', 35'), Lt MD at joint T/O, Top Root(36', 40', 42')	None	2016	0145-0458		
Street	Redmond	SW2462	NS59-8-4		NS59-8-4S		23	12	VCP	0.5	0.5	1	2	2.1	4.2	0					0	0	Long. Cracks(8', 11', 14', 17'), Mult Crack(14'), Lt MD at joint(14')	None	2016	0145-0458		
Street	Redmond	SW2463	NS59-8-3		NS59-8-3S		44	12	VCP	0.5	0.5	1	2	2.6	5.2	0					0	0	Mult Crack(8', 44'), Med OS joint(11', 22', 40'), Long. Crack(12'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Redmond	SW2464	NS59-8-3		NS59-8-3N		26	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Mult Crack T/O, Long. Fracture(21'), Long. Crack(24'), Hole with soil intrusion(25'), Survey abandoned(26')-Broken and collapse	Dig Mainline	2016	0145-0458		
Street	Redmond	SW2465	NS59-8-2		NS59-8-2S		7	12	VCP	0.5	0.5	1	2	3.5	7	0					0	0	Large OS joint(8'), Wall missing(5'), Survey abandoned(7')-Large Offset	Dig Mainline	2016	0145-0458		
Street	Redmond	SW2466	NS59-8-1	4.3	NS59-8-1NE		8	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Redmond	SW2467	NS59-8	6	NS59-8NE		47	12	VCP	0.5	0.5	1	2	3	6	1				1	0	Mult Cracks T/O	Dig Mainline	2016	0145-0458			
Street	Redmond	SW2468	NS59-8SE		Blind Tap		30	12	VCP	0.5	0.5	1	2	1.8	3.6	0				0	0	Med OS joint(15', 21', 24'), Mult Crack(24', 29'), Lt Roots at joint(12')	None	2016	0145-0458			
Street	Lincoln	SW2470	NS59-6-4		NS59-6-4NE		11	6	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Toepfer	SW2471	NS59-6ASW		NS59-6ASSW		35	12	RCP	0.5	1	1	2.5	2	5	0				0	0	Long. Crack(7', 14'-35'), Lt MD at joint(7')	None	2016	0145-0458			
Street	Juliana	SW2472	NS59-6-13W		NS59-6-13		55	12	RCP	0.5	0.5	1	2	2	4	1				1	0	Long. Crack(10'-55')	None	2016	0145-0458			
Street	Juliana	SW2473	NS59-6-13	3.1	NS59-6-13SW		15	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Juliana	SW2474	NS59-6-13NW	3.2	BLIND TAP		34	12	RCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Long. Crack(6'-34'), Hinge Fracture(27')	None	2016	0145-0458			
Street	Juliana	SW2475	NS59-6-13		NS59-6-13N		55	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(34'), Lt MD at joints(9', 28', 31')	None	2016	0145-0458			
Street	Boulder	SW2476	NS59-6-16		NS59-6-16SW		72	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Cracks(23', 24', 55', 57', 64'), Pipe reduces to 10"(71")	None	2016	0145-0458			
Street	Stricker	SW2477	NS59-6-15		NS59-6-15W		52	12	RCP	0.5	0.5	1	2	2	4	1				1	0	Long. Crack(6'), Spiral Crack(38', 49'), Lt MD at joints(14', 17', 44')	None	2016	0145-0458			
Street	Stricker	SW2478	NS59-6-15NW		BLIND TAP		34	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(7', 12'), Lt MD at joints(18'-30')	None	2016	0145-0458			
Street	Stricker	SW2479	NS59-6-15		NS59-6-15N		53	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joints(24', 43', 48'), Lt MD at joints(8', 19')	None	2016	0145-0458			
Street	Virginia	SW2481	NS59-8-0		NS59-8-0SE		30	10	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(22'), Lt MD at joint(20')	None	2016	0145-0458			
Street	Shakespeare	SW2483	NS-13-19-2A	5	NS6-13-19-2	9.3	146	12	VCP	0.5	0.5	1	2	3	6	2				2	0	Mult Cracks T/O	FCJPP	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Shakespeare	SW2484	NS6-13-17-2AN	5	NS6-13-17-2		124	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(2'-6")	FCIIPP	2016	0145-0458		
Street	Shakespeare	SW2485	NS6-13-15-2A	5	NS6-13-15-2		150	12	VCP	0.5	0.5	1	2	2.3	4.6	2					2	0	Mult Crack(10'), Long. Crack(119')	None	2016	0145-0458		
Street	Shakespeare	SW2486	NS6-13-13-2A	5	NS6-13-13-2	7.8	152	12	VCP	0.5	0.5	1	2	3	6	2					2	0	Mult Cracks(21', 37', 41', 46'-124'), Long. Fracture(44', 136', 140')	FCIIPP	2016	0145-0458		
Street	Shakespeare	SW2487	NS6-13-11-2S	5.5	NS6-13-11-2		149	12	VCP	0.5	0.5	1	2	2.5	5	2					2	0	Long. Crack(9', 36', 58', 64', 67'), Mult Crack(11', 15', 14', 60', 71', 143'), Lt Roots at joints T/O	None	2016	0145-0458		
Street	Shakespeare	SW2488	NS6-13-9-2A	4	NS6-13-9-2		157	10	VCP	0.5	0.5	1	2	2.5	5	2					2	0	Long. Crack(14', 28', 91'), Mult Crack(101', 105'), Hole(157")	None	2016	0145-0458		
Street	Cushing	SW2489	NS6-24		NS6-24WSW		81	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Toepfer	SW2490	NS6-13-8A		NS6-13-8ANW		89	12	VCP	0.5	1	1	2.5	3	7.5	0					0	0	Long. Cracks T/O, Hinge Fracture(14', 20'), Mult crack(18', 36'), Broken(34', 79'), Gas service thru main(34', 79')	FCIIPP	2016	0145-0458		
Street	Toepfer	SW2491	NS6-13-8A		NS6-13-8AE		27	12	RCP	0.5	1	1	2.5	1.7	4.25	1					1	0	Med OS joint(18'), Long. Crack(24', 26')	None	2016	0145-0458		
Street	Toepfer	SW2492	NS6-13-8A		NS6-13-8AW		84	12	VCP	0.5	1	1	2.5	3.9	9.75	0					0	0	Long. Fracture(15'), Hinge Fracture(17', 20', 22', 27', 31', 48'), Lt Roots at joints(61', 76')	FCIIPP	2016	0145-0458		
Street	Shakespeare	SW2495	NS6-13-26B	5.5	NS6-13-26BSE		10	10	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Shakespeare	SW2496	NS6-13-26B	5.5	NS6-13-26BSW		30	10	RCP	0.5	0.5	1	2	1.3	2.6	0					0	0	Med OS joint(17', 23'), Long. Crack(28')	None	2016	0145-0458		
Street	Shakespeare	SW2497	NS6-13-26B	5.5	NS6-13-26BN		39	10	RCP	0.5	0.5	1	2	3	6	1					1	0	Mult Crack(16')	Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW2498	NS6-13-26BNW	5	BLIND TAP		44	10	RCP	0.5	0.5	1	2	2	4	0					0	0	Sag(20')	None	2016	0145-0458		
Street	Shakespeare	SW2499	NS6-13-19-2A	5	NS6-13-19-2ANW		42	10	RCP	0.5	0.5	1	2	1	2	0					0	0	Med OS joint(14', 29'), Lt Roots at joints(38', 41')	None	2016	0145-0458		
Street	Shakespeare	SW2500	NS6-13-19-2ANE	4	Blind Tap		28	10	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Shakespeare	SW2501	NS6-13-19-2A	5	NS6-13-19-2AW		31	12	RCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(18'-31'), Lt Roots at joints(14', 20', 26')	None	2016	0145-0458		
Street	Ego	SW2502	NS6-13-18NE	5	Blind Tap		3	10	RCP	0.5	0.5	1	2	1	2	0					0	0	Survey abandoned(3')-Roots	None	2016	0145-0458		
Street	Ego	SW2503	NS6-13-18	13.5	NS6-13-18SE		105	10	RCP	0.5	0.5	1	2	2.5	5	1				1	0	Spiral Fracture(101'), Lt Roots at joints(65', 74', 76', 79')	None	2016	0145-0458			
Street	Shakespeare	SW2504	NS6-13-17-2ASW	4.5	BLIND TAP		45	10	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Shakespeare	SW2505	NS6-13-17-2AS	6	NS6-13-17-2A		38	10	RCP	0.5	0.5	1	2	1	2	1					1	0	Lt Roots at joints T/O	None	2016	0145-0458		
Street	Shakespeare	SW2507	NS6-13-15-2A	5	NS6-13-15-2ANW		27	10	RCP	0.5	0.5	1	2	1	2	0					0	0	Med OS joint(14', 20'), Lt MD at joints(8', 17')	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Shakespeare	SW2508	NS6-13-15-2ASW	4.5	BLIND TAP		45	10	RCP	0.5	0.5	1	2	1	2	0				0	0				None	2016	0145-0458		
Street	Shakespeare	SW2509	NS6-13-15-2A	5	NS6-13-15-2AS		40	10	VCP	0.5	0.5	1	2	1	2	1				1	0	Med OS joint(17', 20'), Lt MD at joints(8', 14', 26', 29')			None	2016	0145-0458		
Street	Collinson	SW2510	NS6-13-14	16	NS6-13-14E		33	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints(12', 16')			None	2016	0145-0458		
Street	Collinson	SW2511	NS6-13-14	16	NS6-13-14NE		37	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(19', 28')			None	2016	0145-0458		
Street	Shakespeare	SW2512	NS6-13-13-2A	5	NS6-13-13-2AW		41	12	VCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed			None	2016	0145-0458		
Street	Shakespeare	SW2513	NS6-13-13-2ASW	5	BLIND TAP		45	10	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed			None	2016	0145-0458		
Street	Shakespeare	SW2514	NS6-13-13-2A	5	NS6-13-13-2AS		40	10	RCP	0.5	0.5	1	2	1	2	1				1	0	Med OS joint(27', 37'), Lt Roots at joints(21', 33')			None	2016	0145-0458		
Street	Veronica	SW2515	NS6-13-12		NS6-13-12E		31	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(17')			None	2016	0145-0458		
Street	Veronica	SW2516	NS6-13-12		NS6-13-12NE		35	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(29')			None	2016	0145-0458		
Street	Shakespeare	SW2517	NS6-13-11-2S	5.5	NS6-13-11-2SW		58	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long And mult Cracks T/O, Lt Roots at joints(31', 34', 40', 42')			None	2016	0145-0458		
Street	Shakespeare	SW2518	NS6-13-11-2S		NS6-13-11-2SSW	5.5	65	10	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long Crack(18', 42'), Multi Crack(56', 60'), Lt Roots at joints(59', 62')			None	2016	0145-0458		
Street	Cushing	SW2520	NS6-13-8		NS6-13-8SW		26	10	RCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(9')	Dig Mainline	2016	0145-0458				
Street	Lincoln	SW2521	NS6-13-10		NS6-13-10NW		28	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Debris(25')			None	2016	0145-0458		
Street	Lincoln	SW2522	NS6-13-10		NS6-13-10SW		25	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Debris(12', 18')			None	2016	0145-0458		
Street	Shakespeare	SW2523	NS6-13-9-2A	4	NS6-13-9-2ASW		55	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(8', 14', 54')			None	2016	0145-0458		
Street	Shakespeare	SW2524	NS6-13-9-2ASE	3.5	BLIND TAP		35	10	VCP	0.5	0.5	1	2	2	4	0				0	0	Long Crack(16', 21')			None	2016	0145-0458		
Street	Shakespeare	SW2525	NS6-13-9-2AE	4	NS6-13-9-2AE		21	10	RCP	0.5	0.5	1	2	1.5	3	1				1	0	Long Crack(8', 14'), Med OS joint(14')			None	2016	0145-0458		
Street	Shakespeare	SW2526	NS6-13-9-2A	4	NS6-13-9-2AW		24	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Long Crack(8', 22'), Med OS joint(10', 14'), Mult Crack(23')			None	2016	0145-0458		
Street	Lincoln	SW2527	NS6-13-11-5NW		NS6-13-11-5		155	12	RCP	0.5	0.5	1	2	3.2	6.4	0				0	0	Long Crack(8'-22', 63'-67', 73'-83'), Long Fracture(9'), Hinge Fracture(91', 94'-155'), Deformed(100', 106', 109', 141'), Lt MD at joints(0'-88'), Hwy Roots at joints(114'-150')	FCIPP	2016	0145-0458				
Street	Sprenger	SW2530	NS6-13-16E	4	Blind Tap		15	10	RCP	0.5	0.5	1	2	1.5	3	0				0	0	Med OS joint(8'), Spiral crack(14')			None	2016	0145-0458		
Street	Sprenger	SW2531	NS6-13-16NE	4	Blind Tap		31	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(7'), Lt Roots at joints(7', 28', 29')			None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Piper	SW2532	NS48-8	3.6	NS48-8S		48	12	RCP	0.5	1	1	2.5	3	7.5	0					0	0	Rebar visible(9'), Lt MD at joints(19'-41')	Dig Mainline	2016	0145-0458		
Street	Toepfer	SW2533	NS6-13-9-2-1		NS6-13-9-2-1S		7	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. And mult crack(\$)	None	2016	0145-0458		
Street	Toepfer	SW2534	NS6-13-9-2-1	4	NS6-13-9-2-1SW		21	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Lt roots at joints(10')	None	2016	0145-0458		
Street	Shakespeare	SW2535	NS6-13-9-2-1	4	NS6-13-9-2NNW		76	12	VCP	0.5	1	1	2.5	2.1	5.25	0					0	0	Long. Cracks 10', 29', 33', 36', 38'; Lt MD at selected joints T/O	None	2016	0145-0458		
Street	Toepfer	SW2536	NS6-13-9-2-1	4.2	Bulkhead (NW)		60	12	VCP	0.5	1	1	2.5	3	7.5	1					1	0	Long. Crack(6', 8'), Hinge Fracture(33'), Gas line thru main(37'); Lt Roots at joints(4'-55'); Line ends at bulkhead(50')	Dig Mainline (34'-40')	2016	0145-0458		
Street	Juliana	SW2537	NS6-13-20	13.5	NS6-13-20NE		25	10	RCP	0.5	0.5	1	2	1.7	3.4	0					0	0	Med OS joint(8'), Long. Crack(19', 17')	None	2016	0145-0458		
Street	Juliana	SW2538	NS6-13-20	13.5	NS6-13-20E		19	10	RCP	0.5	0.5	1	2	1.5	3	0					0	0	Long. Crack(7'), Med OS joint(11')	None	2016	0145-0458		
Street	Cushing	SW2539	NS6-13-6-6B-1W		NS6-13-6-6B-1NW		29	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
STREET	TUSCANY	SW2540	NS6-15-2A		NS6-15-2		147	12	RCP	0.5	0.5	1	2	5	10								MISSING FIBERGLASS Lining throughout SEWER @ 6'; MISSING WALL/HOLE SOIL VISIBLE @ 6'; MAT CHANGE @ 10' (10" PVC), 20' (VCP); DEFECTIVE TAPS @ 34' (3 4 9); LONG CRACKS THROUGHOUT; HINGE FRACTURE (4)	Dig Mainline (0'-36') FCIPP	2016	0145-0458		
Street	David	SW2541	NS6-18-2AS		NS6-18-2A		8	12	RCP	0.5	0.5	1	2	1	2					0			None	2016	0145-0458			
Street	David	SW2542	NS6-18-2A		NS6-18-2		110	12	VCP	0.5	0.5	1	2	3.5	7					0			FCIPP	2016	0145-0458			
Street	David	SW2543	NS6-17-3AN		BLIND TAP		3	12	VCP	0.5	0.5	1	2	1	2					0			None	2016	0145-0458			
Street	David	SW2544	NS6-15-4A		NS6-15-4		148	12	VCP	0.5	0.5	1	2	3	6					0			FCIPP	2016	0145-0458			
Street	Toepfer	SW2545	NS6-13-5A		NS6-13-5		132	12	VCP	0.5	1	1	2.5	3.5	8.75	0				0	0	Long. And Mult Cracks T/O, Hinge Fracture(80', 82'-100', 112'), Broken hole(130'), Lt MD at joints T/O	Dig Mainline (128'-132') FCIPP	2016	0145-0458			
STREET	SPRENGER	SW2549	NS6-16-2A		NS6-16-2ASW		53	10	VCP	0.5	0.5	1	2	4	8					0		POSSIBLE PATCH REPAIR @ 6'; HINGE FRACTURE @ 12'-27'; MULT CRACKS THROUGHOUT; DEFORMATION @ 13'	Dig Mainline	2016	0145-0458			
STREET	SPRENGER	SW2550	NS6-16-2A		NS6-16-2ANW		29	10	RCP	0.5	0.5	1	2	3	6					0		HEAVY ROOTS @ 29' ASA DUE TO ROOTS, REVERSAL; LARGE DEPOSIT @ 16' ASA DUE TO DEPOSIT, LINE NOT COMPLETED	ATTEMPT TO REMOVE DEPOSIT TO COMPLETE TELEVISING	2016	0145-0458			
EASEMENT	SPRENGER	SW2551	NS6-16-2A	5	NS6-16-2	13.8	156	12	VCP	0.5	0.5	0.5	1.5	5	7.5					0		BROKEN/MISSING WALL @ 5'; HINGE FRACTURE @ 5'-40'; 10' END OF LINE; ALIGNMENT LEFT @ 10', 148'; ALIGNMENT RIGHT @ 34', 123'; MULT CRACKS THROUGHOUT	DIG UP AND REPLACE 0'-10'; INSTALL MANHOLES AT EACH OF THE 4 ALIGNMENT CHANGES, THEN FCIPP	2016	0145-0458			
STREET	TUSCANY	SW2555	NS6-15-2AN		NS6-15-2ANE		25	12	VCP	0.5	0.5	1	2	3	6					0		MULT CRACKS THROUGHOUT; TRAP AT CB	NONE	2016	0145-0458			
STREET	TUSCANY	SW2556	NS6-14-3A		NS6-14-3ASW		63	12	VCP	0.5	0.5	1	2	5	10					0		MULT CRACKS THROUGHOUT; HINGE FRACTURES @ (5'-21'); BROKEN/DEFORMED @ 17'	Dig Mainline	2016	0145-0458			
STREET	TUSCANY	SW2557	NS6-14-3A		NS6-14-3AW		50	12	VCP	0.5	0.5	1	2	3	6					0		MULT CRACKS THROUGHOUT; TAP ROOTS @ 41', 43'; ALIGNMENT UP/LIFT @ 45'; HEAVY ROOTS @ 49'; CAMERA CANNOT PASS	Dig Mainline	2016	0145-0458			
Street	Toepfer	SW2563	NS6-13-3B		NS6-13-3BNW		66	12	VCP	0.5	1	1	2.5	2.2	5.5	0				0	0	Long. Crack(7', 10', 17', 27', 32', 43'); Hinge Fracture(11'), Lt MD at joints T/O	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Toepfer	SW2564	NS6-13-3B		NS6-13-3BW		41	12	VCP	0.5	1	1	2.5	3.5	8.75	0					0	0	Hinge Fracture(18'), Long Crack(22'), Li Rods at joints(29', 30' 41'), Survey abandoned(41')-Heavy Roots	Dig Mainline	2016	0145-0458			
Alley	Alley North of 8 Mile	SW2565	NS6-24		NS6-24SE		21	12	VCP	0.5	0.5	0.5	1.5	2.5	3.75						0				Dig Mainline	2016	0145-0458		
Street	Cushing	SW2566	NS6-24SW		Blind Tap		10	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Alley	Alley North of 8 Mile	SW2567	NS6-22A		NS6-22AE		13	12	RCP	0.5	0.5	0.5	1.5	3	4.5						0				Dig Mainline	2016	0145-0458		
Alley	Alley North of 8 Mile	SW2568	NS6-20NE		Blind Tap		22	6	VCP	0.5	0.5	0.5	1.5	1	1.5						0				None	2016	0145-0458		
Street	David	SW2569	NS6-18-2ASW		NS6-18-2AS		20	12	RCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458		
Street	David	SW2570	NS6-18-2B		NS6-18-2A		39	12	RCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458		
Street	Ego	SW2571	NS6-17-3A		NS6-17-3ASW		53	12	VCP	0.5	0.5	1	2	2.2	4.4						0				None	2016	0145-0458		
Street	Ego	SW2572	NS6-17-3A		NS6-17-3AW		51	12	VCP	0.5	0.5	1	2	3	6						0				Dig Mainline	2016	0145-0458		
Street	Ego	SW2573	NS6-17-3ASE		Blind Tap		27	12	VCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458		
Street	Ego	SW2574	NS6-17-3A		NS6-17-3ANE		12	12	VCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	David	SW2575	NS6-17-3ANNW		Blind Tap		23	12	VCP	0.5	0.5	1	2	3	6						0				Dig Mainline	2016	0145-0458		
Street		SW2576	NS6-16-4ANW		BLIND TAP		25	12	VCP	0.5	0.5	1	2	2.7	5.4						0				None	2016	0145-0458		
Street	David	SW2577	NS6-16-4ANNE		Blind Tap		1	12	VCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Sprenger	SW2578	NS6-16-4A		NS6-16-4ASW		66	12	VCP	0.5	0.5	1	2	3	6						0	Utility thru sewer(49')	Dig Mainline (46'-52') FCJPP	2016	0145-0458				
Street	Sprenger	SW2579	NS6-16-4A		NS6-16-4AW		56	12	VCP	0.5	0.5	1	2	4	8						0				Dig Mainline	2016	0145-0458		
Street	Sprenger	SW2580	NS6-16-4ASE		NS6-16-4A		34	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Sprenger	SW2581	NS6-16-4A		NS6-16-4AE		24	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	SW2582	NS6-16-4A	5.4	NS6-16-4	7.5	152	12	VCP	0.5	0.5	0.5	1.5	1	1.5					0	Line in good condition			2011-2012	0145-0392				
Street	David	SW2583	NS6-15-4ANNW		BLIND TAP		25	12	VCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458		
Street	David	SW2584	NS6-15-4ANNE		BLIND TAP		3	12	VCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Collinson	SW2585	NS6-15-4A		NS6-15-4ASE		10	10	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Collinson	SW2586	NS6-15-4A		NS6-15-4AE		15	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street		SW2587	NS6-14-5A		NS6-14-5ASW		55	12	VCP	0.5	0.5	1	2	2.7	5.4					0					None	2016	0145-0458		
Street	Veronica	SW2588	NS6-14-5A		NS6-14-5AW		52	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street		SW2589	NS6-14-5ASE		BLIND TAP		28	12	VCP	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458		
Street	Veronica	SW2590	NS6-14-5A		NS6-14-5AE		11	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	David	SW2591	NS6-14-5ANW		BLIND TAP		26	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	David	SW2592	NS6-14-5AN		BLIND TAP		3	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	David	SW2593	NS6-15-5A	5.9	NS6-14-5	7.9	152	12	CIPP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Stricker	SW2594	NS6-13-6-BBNW		BLIND TAP		2	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Stricker	SW2595	NS6-13-6-BBNW		NS6-13-6-B		89	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Juliana	SW2596	NS6-13-6-SANE		NS6-13-6-5A		22	10	RCP	0.5	0.5	1	2	1.5	3					0					None	2016	0145-0458		
Street	Juliana	SW2597	NS6-13-6-5A		NS6-13-6-5AE		6	10	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Ego	SW2598	NS6-13-6-4A		NS6-13-6-4ANW		13	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Ego	SW2599	NS6-13-6-4A		NS6-13-6-4ASW		16	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	SPRENGER	SW2600	NS6-13-6-3A		NS6-13-6-3ANW		20	12	VCP	0.5	0.5	1	2	1.6	3.2					0					None	2016	0145-0458		
Street	Sprenger	SW2601	NS6-13-6-3BE		NS6-13-6-3BNE		30	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	SPRENGER	SW2602	NS6-13-6-3BE		Blind Tap		91	12	VCP	0.5	0.5	1	2	3	6					0					Build MH (91') FC/PP	2016	0145-0458		
Street	SPRENGER	SW2603	NS6-13-6-3A		NS6-13-6-3AW		9	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Collinson	SW2604	NS6-13-6-2A		NS6-13-6-2ASE		28	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street		SW2605	NS6-13-6-2A		NS6-13-6-2ANE		29	12	RCP	0.5	0.5	1	2	3	6					0					None	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Veronica	SW2606	NS6-13-6-1ASE		NS6-13-6-1A		11	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Veronica	SW2607	NS6-13-6-1A		NS6-13-6-1ANE		22	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	David	SW2608	NS6-13-5BNW		Blind Tap		26	12	VCP	0.5	0.5	1	2	2.2	4.4					0					None	2016	0145-0458		
Street	Lincoln	SW2609	NS6-13-5B		NS6-13-5BSW		61	12	VCP	0.5	0.5	1	2	3.5	7					0					FCIIPP	2016	0145-0458		
Street	Lincoln	SW2610	NS6-13-5B		NS6-13-5BW		55	12	VCP	0.5	0.5	1	2	2.2	4.4					0					None	2016	0145-0458		
Street	Lincoln	SW2611	NS6-13-5BSE		Blind Tap		21	10	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Lincoln	SW2612	NS6-13-5B		NS6-13-5BNE		10	10	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	David	SW2613	NS6-13-5B		NS6-13-5		175	12	VCP	0.5	0.5	1	2	4	8					0					FCIIPP	2016	0145-0458		
Street	Toepfer	SW2614	NS6-13-8ANE		Blind Tap		39	12	VCP	0.5	1	1	2.5	3	7.5	0				0	0	Lt H2S damage in areas of RCP pipe			None	2016	0145-0458		
Street	Cushing	SW2615	NS6-13-6-3NW		BLIND TAP		14	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed			None	2016	0145-0458		
Street	Cushing	SW2616	NS6-13-6-2SW	3	BLIND TAP		13	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed			None	2016	0145-0458		
Street	Cushing	SW2617	NS6-13-6-1NW		BLIND TAP		11	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joint(?)			None	2016	0145-0458		
Street	Cushing	SW2618	NS6-13-8		NS6-13-8SE		22	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed			None	2016	0145-0458		
Street	Stricker	SW2619	EH-32-18S		EH-32-18		10	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Stricker	SW2620	EH-32-19W		EH-32-19		51	8	CI	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Stricker	SW2621	EH-32-19WNW		EH-32-19W		29	8	CI	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Stricker	SW2622	EH-32-19N		EH-32-19		51	8	CI	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Stricker	SW2623	EH-32-19NW		EH-32-19N		23	8	CI	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Stricker	SW2624	EH-32-17S		BLIND TAP		42	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Stricker	SW2625	EH-32-17N		BLIND TAP		47	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Stricker	SW2626	EH-32-18N		EH-32-18		23	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Stricker	SW2627	EH-32-16		EH-32-15		19	18	RCP	0.6	1	1	2.6	1	2.6						0				None	2016	0145-0458			
Street	Stricker	SW2628	EH-32-17		EH-32-16		126	18	RCP	0.6	0.5	1	2.1	1	2.1						0				None	2016	0145-0458			
Street	Stricker	SW2629	EH-32-18		EH-32-17		282	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458			
Street	Stricker	SW2630	EH-32-19		EH-32-18		274	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458			
Street	Stricker	SW2631	EH-32-15	8	EH-32-1		232	42	RCP	1	1	1	3	1.8	5.4	0					0	0	Circ. Crack(58', 185'), Long. Crack(149', 172'), Lt MD at joints T/O	None	2016	0145-0458				
Street	Kelly	SW2633-1	EH-32-14.5		EH-32-15		215	42	RCP	1	0.5	1	2.5	2	5	0					0	0	Long. Crack(16'), Lt MD at joints T/O	None	2016	0145-0458				
Street	Toepfer	SW2635	NS6-13-5A	3.2	NS6-13-5AW		52	12	PVC	0.5	1	1	2.5	5	12.5	0					0	0	Survey abandoned(15')-Rocks, Reverse-Hole with void(36'), Survey abandoned(37')-Broken	Dig Mainline - sent to city	2016	0145-0458				
Street	Toepfer	SW2636	NS6-13-5A	3.3	NS6-13-5AE		29	12	VCP	0.5	1	1	2.5	2	5	1					1	0	Missing mortar(8'), Med OS joint(12'), Lt MD at joints(16', 19')	None	2016	0145-0458				
Street	Toepfer	SW2637	NS6-13-5A	3.3	NS6-13-5ANW		68	12	VCP	0.5	1	1	2.5	2.3	5.75	0					0	0	Long. Crack(14', 20', 26', 50', 54'), Hinge Fracture(28'), Lt MD at select joints T/O	None	2016	0145-0458				
Street	Toepfer	SW2638	NS6-13-5ANE		Blind Tap		42	12	RCP	0.5	1	1	2.5	2	5	0					0	0	Large Angular Joint(7'), Lt MD at joints T/O	None	2016	0145-0458				
Street	Lincoln	SW2639	NS6-13-6-1-1NNW		East		1	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458				
Street	Lincoln	SW2640	NS6-13-6-1-1N		BLIND TAP		2	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458				
Street	David	SW2641	NS6-13-5BN		Blind Tap		3	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458				
Street	Kelly	SW2643	EH-32-15-1	4	EH-32-15NE		47	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	Circ. Crack(30', 39')	None	2016	0145-0458				
Street	Kelly	SW2644	EH-32-15-1	4	EH-32-15S		30	12	RCP	0.5	1	1	2.5	2.7	6.75	0					0	0	Rebar projecting(21'30')	None	2016	0145-0458				
STREET	TUSCANY	SW2655	NS6-15-2A		NS6-15-2ANE		62	12	PVC	0.5	0.5	1	2	3	6					0		MAT CHANGE @ 12' (VCP); MULT CRACKS @ 13' 24'; MAT CHANGE @ 24' (PVC), 42' (VCP); HINGE FRACTURES @ 43'-57' MAT CHANGE @ 57' (RCP)			2016	0145-0458				
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW2657	NS6-14-3A	5.4	NS6-14-3	10.3	152	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	1					1	1				2011-2012	0145-0392	2013	0145-0429	FCIIPP
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN	SW2662	NS6-14-1A	5	NS6-14-1	6.9	51	12	VCP	0.5	0.5	0.5	1.5	5	7.5					0	2	Line in fair condition, H (9, 37)			2011-2012	0145-0392	Digs required			
Easement	EASEMENT BETWEEN LINCOLN AND TOEPFER	SW2666	NS6-13-1A	8	NS6-13-1	7.9	154	12	VCP	0.5	0.5	0.5	1.5	1	1.5					0					2011-2012	0145-0392	2013	0145-0433	OCR (136'-143')	
Street	Toepfer	SW2667	NS6-13-1B		NS6-13-1BNW		65	12	VCP	0.5	1	1	2.5	3.1	7.75	0				0	0	Hinge Fracture(6', 12', 18'-22', 35'-39'), Long. Crack(23', 27', 33'), Large OS joint(52'), Pipe size reduces to 10'(52')	Dig Mainline (52'-65') FCIIPP	2016	0145-0458					
Street	Toepfer	SW2668	NS6-13-1B		NS6-13-1BW		52	12	VCP	0.5	1	1	2.5	3	7.5	0				0	0	Long. Crack(14'-16', 24'-30'), Mult Crack(30', 37', 41'), Lt MD at sealed joints T/O	Dig Mainline	2016	0145-0458					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW2673	NS6-13-3A	3.7	NS6-13-3	7.5	156	12	VCP	0.5	0.5	0.5	1.5	1	1.5						0			Line in fair condition, B (14), CM(13-15). Unmarked MH found, new header not started.		2011-2012	0145-0392		
Easement	EASEMENT BETWEEN LINCOLN AND TOEPPER	SW2674	NS6-13-3-1	5	NS6-13-3	7.5	132	12	VCP	0.5	1	0.5	2	1	2						0			Line in fair condition, B (47), CL (21-98)		2011-2012	0145-0392		
Street	Emelie	SW2675	B17-1-2		B17-1-3		62	15	RCP	0.6	0.5	1	2.1	2	4.2	0					0	0		Long. Crack(7', 31'), Lt MD at joint(19')	None	2016	0145-0458		
STREET	8 MILE	SW2677	EH-32-3	6	EH-32-2		117.1	12	RCP	0.5	1	1	2.5	2	5						0			MWLS @ 88'; DAE @ 55'	NONE	2016	0145-0458		
Street	Ego	SW2678	B17-5-1		B17-4		105	15	RCP	0.6	0.5	1	2.1	2	4.2	0					0	0		Spiral Crack(47'), Med infiltration at joint(24', 47'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Kelly	SW2679	EH-32-9		EH-32-8		495	42	RCP	1	1	1	3	2	6	0					0	0		Long. Crack(201', 333', 467'), Infiltration stains at joints T/O	None	2016	0145-0458		
Street	Kelly	SW2680	EH-32-10		EH-32-9		408	42	RCP	1	1	1	3	2	6	0					0	0		Long. Crack(168'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Kelly	SW2681	EH-32-11		EH-32-10		408	42	RCP	1	1	1	3	2	6	0					0	0		Long. Crack(165', 189', 245', 302', 362'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Kelly	SW2682	EH-32-12	12	EH-32-11		412	42	RCP	1	1	1	3	2	6	1				1	0		Long. Crack(9', 49'), Lt MD, Lt infiltration and Intruding sealing rings present T/O	None	2016	0145-0458			
Street	Kelly	SW2683	EH-32-13	11.8	EH-32-12		403	42	RCP	1	1	1	3	2.3	6.9	0				0	0		Long. Crack(41', 298'), Lt MD and Lt infiltration at majority of joints T/O	None	2016	0145-0458			
Street	Kelly	SW2684	CB	10.6	EH-32-13		240	42	RCP	1	1	1	3	2	6	0				0	0		Long. Crack(75'), Lt MD and Lt infiltration at joints T/O	None	2016	0145-0458			
Street	Easement North of 8 Mile	SW2685	B20-1	3.5	B20-2		184	18	RCP	0.6	0.5	1	2.1	3.2	6.72	1				1	0		Mult Fracture(32', 105'), Wall missing(122'), Long. Crack(137', 145', 162'), Lt MD at joints T/O	FCIPP	2016	0145-0458			
Street	8 Mile	SW2688	B21-6		B21-7		250	12	RCP	0.5	1	1	2.5	2.5	6.25	0				0	0		Med OS joints T/O, Lt H2S damage(49', 112'-250'), Hole(123'), Survey abandoned(250')-End of day	None	2016	0145-0458			
STREET	8 MILE	SW2689	B21-6	4	B21-5		41.4	12	VCP	0.5	1	1	2.5	4.5	11.25					0			FMBD 6' 6" HxV @ 13', JOM @ 37' ID @ 9' SURVEY ENDS 6' FROM MH DUE TO LR @ 41.4'	DIG UP AND REPLACE 0'-16'	2016	0145-0458			
Street	Juliana	SW2691	B19-3	6	B6-11-7		287	12	VCP	0.5	0.5	1	2	1.9	3.8	2				2	0		Mult Crack(7'-16'), Long. Crack(50', 61', 104', 137', 152', 185', 218', 237', 256', 275'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Ego	SW2692	B17-3		B17-2		279	24	RCP	0.8	0.5	1	2.3	2	4.6	0				0	0		Long. Crack(188'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Juliana	SW2693	B19-2		B19-1		357	24	RCP	0.8	0.5	1	2.3	2	4.6	0				0	0		T/OSpiral Crack(33'), Lt MD at joints T/O	None	2016	0145-0458			
Street	8 Mile	SW2694	B21-2		B21-1		211	24	RCP	0.8	1	1	2.8	2.3	6.44	0				0	0		Long. Crack(99', 108'), Rebar projecting(167'), Lt MD at joints T/O	None	2016	0145-0458			
Street	8 Mile	SW2695	B21-3		B21-2		116	24	RCP	0.8	1	1	2.8	1	2.8	0				0	0		Li MD at joints T/O	None	2016	0145-0458			
Street	Ego	SW2696	B17-4		B17-3		315	21	RCP	0.6	0.5	1	2.1	2	4.2	0				0	0		Long. Crack(30', 46', 87', 144', 257', 268'), Spiral Crack(40'), Circ. Crack(55'), Spiral Fracture(112', 209'), Lt MD at select joints T/O	None	2016	0145-0458			
Street	Juliana	SW2697	B19-3	7	B19-2		388	21	RCP	0.6	0.5	1	2.1	2.4	5.04	0				0	0		Long. Cracks T/O, Spiral cracks and fractures(17', 69', 97', 121', 170', 274', 354'), Lt MD at joints T/O	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	8 Mile	SW2698	B21-4		B21-3		365	18	RCP	0.6	1	1	2.6	2.3	5.98	0					0	0	Circ. Crack(3', 4'), Long. Crack(7', 10'), Hinge Fracture(50', 265', 299'), Lt MD and Lt Infiltration at joints T/O	None	2016	0145-0458			
Street	8 Mile	SW2699	B21-5	8.5	B21-4		68	18	RCP	0.6	1	1	2.6	2.4	6.24	0					0	0	Sag(2'), Rebar projecting(34', 42', 48'), Long. Crack(48', 55', 60'), Lt MD at joints(10', 27', 51', 64')	None	2016	0145-0458			
Street	Emelie	SW2700	B17-1-4	7	B17-1-3		87	15	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Lt MD at joint(9'), Rocks(20', 38'), Survey abandoned(39')-Heavy Debris, Reverse-Lt MD at joints T/O, Survey abandoned(48')-Obstacle	None	2016	0145-0458			
Street	Juliana	SW2703	B19-1		B19		45	24	RCP	0.8	0.5	1	2.3	2.5	5.75	0					0	0	Large Angular joint(38'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Juliana	SW2705	B19-0-1		B19-0	10	131	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Med OS joint(9'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Juliana	SW2706	B19-0	10	B19		72	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Med Infiltration at joints(20', 53'), Lt MD at joints(53', 57', 61', 67')	None	2016	0145-0458			
Street	Easement North of 8 Mile	SW2707	B20	6	B20-1		151	18	RCP	0.6	0.5	1	2.1	1.7	3.57	0					0	0	Long. Crack(11', 29')-Spiral cracks(21')-Circ. Crack(65', 106'), Lt MD at select joints T/O	None	2016	0145-0458			
Street	Emelie	SW2708	B17-1-2	8	B17-1		255	18	RCP	0.6	0.5	1	2.1	3.3	6.93	0					0	0	MH B17-1-1 does not exist, Rebar visible(43', 212'), Long. Crack(71'), Lt MD at joints T/O	FCIPP	2016	0145-0458			
Street	Collinson	SW2709	B14-4		B14-3		393	15	RCP	0.6	0.5	1	2.1	1	2.1	1				1	0	Lt MD and Lt Infiltration at select joints T/O	None	2016	0145-0458				
Street	Collinson	SW2710	B14-3WSW	3	B14-3N		26	12	RCP	0.5	0.5	1	2	5	10	0				0	0	Wall Missing(7')			2016	0145-0458			
Street	Collinson	SW2711	B14-3	4	B14-3N		12	6	RCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Long. Crack(7', 9')-Mult Crack(9'), Size reducing to 4"(9')	None	2016	0145-0458				
Street	Juliana	SW2719	B19NE		B19NW	3.6	28	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Sag(5'), Alignment up(7')	None	2016	0145-0458				
Street	Juliana	SW2720	B19	5	B19NE		58	12	RCP	0.5	0.5	1	2	1.7	3.4	0				0	0	Med Separated joint(7'), Sag(7'), Long. Crack(34'), Backflow preventer(55')	None	2016	0145-0458				
Street	Juliana	SW2721	B19-1SW	3.4	B19-1NW		27	12	RCP	0.5	0.5	1	2	2.5	5	0				0	0	Spiral Fracture(13')-Orc. Fracture(20'), Lt Roots at joint(13')	None	2016	0145-0458				
Street	Juliana	SW2722	B19-1		B19-1SW	4	34	12	RCP	0.5	0.5	1	2	4	8	0				0	0	Mult Fracture(14')-Size reduction to 4"(30')	Dig Mainline	2016	0145-0458				
Street	Juliana	SW2723	B19SE	3	B19SW		27	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(12')	None	2016	0145-0458				
Street	Juliana	SW2724	B19		B19SE		20	12	RCP	0.5	0.5	1	2	1.7	3.4	0				0	0	Sag(5'), Spiral Crack(6'), Med OS joint(15'), Lt MD at joint(12'), Backflow preventer(16')	None	2016	0145-0458				
Street	Toepfer	SW2726	NS6-12SW		NS6-12		34	12	VCP	0.5	1	1	2.5	2.5	6.25	0				0	0	Long. Crack(22')-Mult crack(32')-Lt Roots at joints(7')	None	2016	0145-0458				
Street	Toepfer	SW2727	NS6-11-4A	4	NS6-11-4AS		41	10	RCP	0.5	1	1	2.5	1	2.5	0				0	0	Med OS joint T/O, Lt MD at joints(29', 38', 39'), Survey abandoned(41')-Mineral Deposit	None	2016	0145-0458				
Street	Toepfer	SW2728	NS6-13-1B		NS6-13-1BNE		48	12	RCP	0.5	1	1	2.5	1.3	3.25	0				0	0	Med Separated joint(8'), Med OS joints(11', 14', 17', 20'-48'), Long. Crack(11'), Lt MD at joints(26'-42')	None	2016	0145-0458				
Street	Toepfer	SW2729	NS6-13-1B	4	NS6-13-1BE		27	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0	Lt MD at joints T/O	None	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV (CCTV)	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Alley	WEST KELLY ALLEY BETWEEN EGO AND TOEPFER	SW2733	NS6-18	13.4	NS6-17A	13	211	36	RCP	0.8	0.5	0.5	1.8	1	1.8	8					8	7		Line in good condition		2011-2012	0145-0392			
Street	Juliana	SW2738	E19-3	4	B19-3SE		14	12	RCP	0.5	0.5	1	2	2	4	0					0	0		Long. Crack(12')		None	2016	0145-0458		
Street	Juliana	SW2739	B19-3	5	B19-3NE		20	12	RCP	0.5	0.5	1	2	2.2	4.4	0					0	0		Mortar missing and Long. Crack(9', 12'), Size reduction to 4'(16')		None	2016	0145-0458		
Street	Collinson	SW2747	B12-1		B12		29	42	RCP	1	0.5	1	2.5	1	2.5	0					0	0		Lt MD at joints(17', 25')		None	2016	0145-0458		
Street	Collinson	SW2748	B12-2	19.5	B12-1		292	30	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0		Lt Roots and Lt MD at select joints T/O		None	2016	0145-0458		
Street	Kelly	SW2749	B9-5	13.2	B9-6		403	12	RCP	0.5	1	1	2.5	1.8	4.5	1			1		2	0		Long. Crack(32', 38', 87'), Circ. Crack(33'), Lt MD at joints T/O, Survey abandoned(329')-Protruding tap, Reverse-Lt MD at joints T/O, Survey abandoned(74')-reverse complete		None	2016	0145-0458		
Street	Kelly	SW2750	B9-5	15.3	B9-5-1		200	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0		Lt MD at joints T/O		None	2016	0145-0458		
Street	Veronica	SW2756	B11-4		B11-3	9	58	12	RCP	0.5	0.5	1	2	1	2	0					0	0		Lt MD at joints T/O, Survey abandoned(58')		None	2016	0145-0458		
Street	Beaconsfield	SW2757	B4-2-2		B4-2-3		287	24	RCP	0.8	0.5	1	2.3	2	4.6	0					0	0		Large OS joint(5', 247'), Lt Roots at joints(50', 212')		None	2016	0145-0458		
Street	Toepfer	SW2758	B9-4	8	B9-3		341	24	RCP	0.8	1	1	2.8	2.8	7.84	0					0	0		Long. Crack(98', 145'), Wall Missing(138'), Spiral Crack(332'), Lt MD at joints T/O		None	2016	0145-0458		
Street	Toepfer	SW2759	B9-3		B9-2		303	24	RCP	0.8	1	1	2.8	2	5.6	0					0	0		Long. Crack(136'), Lt MD at joints T/O		None	2016	0145-0458		
Street	Raven	SW2760	B9-2		B9-1		32	24	RCP	0.8	1	1	2.8	2	5.6	0					0	0		Long. Crack(27'), Lt MD at joints(8', 15')		None	2016	0145-0458		
Street	Raven	SW2761	B9-1		B9	8	24	RCP	0.8	1	1	2.8	1	2.8	0					0	0		Lt MD at joint(3'), Repair(4')		None	2016	0145-0458			
Street	Veronica	SW2762	B11-0		B11	12	47	24	RCP	0.8	0.5	1	2.3	2	4.6	0					0	0		Long. Crack(16'), Lt MD at joints(45')		None	2016	0145-0458		
Street	Veronica	SW2763	B11-0-2		B11-0-1		292	24	RCP	0.8	0.5	1	2.3	2.7	6.21	0					0	0		Spiral Fracture(65', 122'), Long. Crack(173'), Lt MD at joints T/O		None	2016	0145-0458		
Street	Veronica	SW2764	B11-0-1		B11-0		260	24	RCP	0.8	0.5	1	2.3	2.5	5.75	0					0	0		Long. Crack(74', 178'), Spiral Fracture(105', 251'), Lt MD at selected joints T/O		None	2016	0145-0458		
Street	Veronica	SW2765	B11-1	7.5	B11-2		372	24	RCP	0.8	0.5	1	2.3	2	4.6	0					0	0		Long. Crack(88', 96', 152'), Spiral Crack(307'), Lt MD at selected joints T/O		None	2016	0145-0458		
Street	Veronica	SW2766	B11-1		B11	12	30	24	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0		Lt MD at joint(26')		None	2016	0145-0458		
Street	Collinson	SW2767	B14-1		B14	24	24	RCP	0.8	0.5	1	2.3	2.3	5.29	0					0	0		Joint angular(8', 16'), Sag(13')		None	2016	0145-0458			
Street	Collinson	SW2768	B12-3	19	B12-2		274	24	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0		Lt MD at joints T/O, Lt Infiltration at joints(70', 94')		None	2016	0145-0458		
Street	Easement South of Mott	SW2769	B4-2-3		B9-1-3	4.2	103	18	RCP	0.6	0.5	1	2.1	1.8	3.78	0					0	0		Spiral Crack(22'), Large OS joint(20'), Med OS joint(34'), Sag(83'), Lt MD at joints(22', 39')		None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Easement South of Mott	SW2770	B9-1-5		B9-1-4		303	18	RCP	0.6	0.5	1	2.1	2.3	4.83						0			Med Angular Joint(18'), Lt H2S damage(114', 146'), Lt Roots at select joints T/O	None	2016	0145-0458		
Street	Easement South of Mott	SW2771	B9-1-4	5.4	B9-1-3		282	18	RCP	0.6	0.5	1	2.1	2.4	5.04	1					1	0		Med OS joint(17', 22'), Sag(18'), Rebar visible(35', 63', 108')	None	2016	0145-0458		
Street	Easement South of Mott	SW2772	B9-1-2		B9-1-3		34	18	RCP	0.6	0.5	1	2.1	2	4.2	0					0	0		Long. Crack(11', 21')	None	2016	0145-0458		
Street	Easement South of Mott	SW2773	B9-1-2		B9-1-1A		157	18	RCP	0.6	0.5	1	2.1	2	4.2	0					0	0		Spiral Crack(82') Long. Crack(98'), large OS joint(148'), Lt MD at joint(112')	None	2016	0145-0458		
Street	Raven	SW2774	B9-1-1		B9-1		31	18	RCP	0.6	1	1	2.6	3.7	9.62	0					0	0		Med Angular Joint(8'), Surface missing(12', 28')	Dig Mainline	2016	0145-0458		
Street	8 Mile	SW2775	B7-9		B7-9A		301	18	RCP	0.6	1	1	2.6	2	5.2	2					2	0		Long. Cracks(9', 96', 113', 147', 171'), Lt MD at joints(194'-291')	None	2016	0145-0458		
Street	Rosalind	SW2776	B12-5	12	B12-4		183	24	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0		Lt MD at joints T/O	None	2016	0145-0458		
Street	Rosalind	SW2777	B12-4		B12-3		312	24	RCP	0.8	0.5	1	2.3	2	4.6	0					0	0		Long. Crack(154'), Spiral Crack(310'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Veronica	SW2778	B11-3		B11-2		324	18	RCP	0.6	0.5	1	2.1	1.8	3.78	0				0	0		Long. Crack(87', 153', 210'), Circ. Crack(145'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Collinson	SW2779	B14-3	10.2	B14-1		610	18	RCP	0.6	0.5	1	2.1	2	4.2	0				0	0		Long. Crack(17'), Spiral Crack(67'), Lt MD and Lt Roots at select joints T/O, Survey abandoned(57'), Reverse-Settled deposits(11'), Survey abandoned(35') -reverse complete	None	2016	0145-0458			
Street	Collinson	SW2780	B12-3-1	18	B12-3		269	18	RCP	0.6	0.5	1	2.1	2	4.2	0				0	0		Long. Crack(72', 258'), Lt MD at joints T/O, Med Infiltration at joints(41', 65', 82', 90', 97', 106')	None	2016	0145-0458			
Street	8 Mile	SW2781	B7-8		B7-7		214	18	RCP	0.6	1	1	2.6	1	2.6	0		2		2	0		Med OS joint(204'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Toepfer	SW2782	B9-5		B9-4	8	345	15	RCP	0.6	1	1	2.6	2.5	6.5	0				0	0		Rebar projecting(43', 151'), Long. Crack(122', 230'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Rosalind	SW2784	B5-11		B12-5		183	15	RCP	0.6	0.5	1	2.1	2	4.2	0				0	0		Long. Crack(24'), Lt MD at joints T/O	None	2016	0145-0458			
Street	8 Mile	SW2785	B7-11		B7-9		406	12	RCP	0.5	1	1	2.5	2	5	0		1		1	0		Long. Crack(357'), MH B7-10 does not exist, Lt MD at joints T/O	None	2016	0145-0458			
Street	8 Mile	SW2786	B7-13		B7-12		251	12	RCP	0.5	1	1	2.5	1	2.5	0		1		1	0		Lt MD at joints T/O	None	2016	0145-0458			
Street	8 Mile	SW2787	B7-12		B7-11		189	12	RCP	0.5	1	1	2.5	2	5	0				0	0		Long. Crack(25', 38', 87', 183'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Collinson	SW2788	B12-3-1E	4	B12-3-1SE		27	10	RCP	0.5	0.5	1	2	1	2	0				0	0		No defects observed	None	2016	0145-0458			
Street	Collinson	SW2789	B12-3-1	6	B12-3-1E		53	10	RCP	0.5	0.5	1	2	1	2	0				0	0		Lt MD at joints(31', 44'), Size reduction to 4"(48")	None	2016	0145-0458			
Street	Collinson	SW2790	B12-3S		B12-3SW		22	12	RCP	0.5	0.5	1	2	2	4	0				0	0		Spiral Crack(8'), Settled deposits(19')	None	2016	0145-0458			
Street	Collinson	SW2791	B12-3	4	B12-3SW		49	12	RCP	0.5	0.5	1	2	2	4	0				0	0		Lon. Crack(5', 7'-33', 37'), Size reduction to 4"(47")	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Collinson	SW2792	B12-3NW	3.5	B12-3W		27	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(7', 12'), Lt Roots at joints(7', 13')		None	2016	0145-0458		
Street	Collinson	SW2793	B12-3NW		B12-3		93	12	RCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Long. Crack(6'26", 31', 35'93'), Multi Crack(18'), Spiral Fracture(80'), Med Roots at joints(13')		None	2016	0145-0458		
Street	Collinson	SW2794	B12	5	B12-1NNW		14	12	RCP	0.5	0.5	1	2	3.6	7.2	0				0	0	Large separated joint(6'), Hole(6'), Broken(8'), Hole(11')	Dig Mainline	2016	0145-0458			
Street	Collinson	SW2795	B12	5	B12-1N		25	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Large OS joint(20'), backflow preventer(21')		None	2016	0145-0458		
Street	Collinson	SW2796	B14		B14-1SE		17	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Med angular joint(13'), Backflow preventer(15')		None	2016	0145-0458		
Street	Collinson	SW2797	B15	5	B14-1SSW		32	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Med Separated joint(29'), Backflow preventer(30')		None	2016	0145-0458		
Street	Collinson	SW2798	B15	5	B14-1SW		40	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(6', 19'), Lt Roots at joints(25'-37'), Backflow preventer(38')		None	2016	0145-0458		
Street	Collinson	SW2799	B14-2SW	3	B14-2NW		27	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(10'), Lt Roots at joints(7', 20', 24')		None	2016	0145-0458		
Street	Collinson	SW2800	B14-2	4	B14-2NW		32	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(7', 8', 15', 20'), Lt Roots at joint(25'), Backflow preventer(30')		None	2016	0145-0458		
Street	Toepfer	SW2808	B5-3-3SW		B5-3-3S	3	26	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0	No defects observed		None	2016	0145-0458		
Street	Toepfer	SW2809	B9		B5-3-3S	45	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0	Pipe size reduction to 10"(40")		None	2016	0145-0458			
Street	Toepfer	SW2810	B9-2NNW	3.5	B9-2WSW		35	12	RCP	0.5	1	1	2.5	2.2	5.5	0				0	0	Long. Crack(5', 15', 23', 27'), Spiral Fracture(21')		None	2016	0145-0458		
Street	Toepfer	SW2811	B9-2NNW	4	B9-2		12	12	RCP	0.5	1	1	2.5	3	7.5	0				0	0	Mult Crack(5')	Dig Mainline	2016	0145-0458			
Street	Raven	SW2812	B9-1N		B9-1NNW	3.5	28	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(9', 12'), Spiral Crack(22'), Lt MD at joints(6', 16')		None	2016	0145-0458		
Street	Toepfer	SW2813	B9NE		B9SE	3	35	10	RCP	0.5	1	1	2.5	2.2	5.5	0				0	0	Sag(11'), Long. Crack(19', 28'), Med OS joint(32')		None	2016	0145-0458		
Street	Toepfer	SW2814	B9-4SW	3	B9-4SE		32	12	RCP	0.5	1	1	2.5	2.1	5.25	0				0	0	Long. Cracks T/O, Mult Crack(11')		None	2016	0145-0458		
Street	Raven	SW2821	B4-2-3-1	2.5	B4-2-3-1N		34	12	VCP	0.5	0.5	1	2	2.3	4.6	1				1	0	Sag(16'), Med OS joint(21'), Mult Fracture(30')		None	2016	0145-0458		
Street	Raven	SW2822	B4-2-3-1	2.5	B4-2-3-1ESE		40	12	VCP	0.5	0.5	1	2	2	4	1				1	0	Long. Crack(7'), Med OS joint(14'), Sag(18'), Lt Roots at joint(37')		None	2016	0145-0458		
Street	Mott	SW2823	B4-2-3-1NNE	1.8	BLIND TAP		38	10	VCP	0.5	0.5	1	2	3.2	6.4	0				0	0	Survey increase to 12'(8'), Long. Crack(13'), Spiral Crack(24'), Wall missing(32'), Defective point repair(37')	Dig Mainline	2016	0145-0458			
Street	Mott	SW2824	B4-2-3-1E	1.2	BLIND TAP		40	12	PVC	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(26'), Alignment down(36')		None	2016	0145-0458		
Street	Beaconsfield	SW2825	B4-3	3.6	B4-2		111	42	RCP	1	0.5	1	2.5	2	5	0				0	0	LI Roots at joints(60', 64', 76'), Survey abandoned(75')-pipe size reduction to 18", Reverse Setup-Sag(18'), Lt MD at joint(8'), Lt Roots at joint(23'), Survey abandoned(36')-pipe size reduction to 18"		None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Mott	SW2826	B4-3-1NW		B4-2-1		145	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Alignment left(9'), Point repair(60')	None	2016	0145-0458		
Street	Beaconsfield	SW2828	B4-1		B4		85	24	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Alignment down(36')	None	2016	0145-0458		
Street	Beaconsfield	SW2829	B4-2	6	B4-1		192	42	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Settled deposits(26', 43', 87', 139')	None	2016	0145-0458		
Street	Mott	SW2830	B4-2	5	B4-2-1		447	24	RCP	0.8	0.5	1	2.3	2.5	5.75	0					0	0	Meet OS joint(20'), Sag(45', 82', 150'), Lt MD at joints(10', 20'-29'), Lt Roots at joints(29'-447')	None	2016	0145-0458		
Street	Beaconsfield	SW2832	B7-2		B7-1		316	24	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Lt MD at joints T/O	None	2016	0145-0458		
Street	Beaconsfield	SW2833	B7-3		B7-2		372	24	RCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Lt MD at joints T/O	None	2016	0145-0458		
Street	Beaconsfield	SW2834	B7-4A		B7-3		293	21	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Lt MD at joints T/O	None	2016	0145-0458		
Street	Beaconsfield	SW2835	B7-5		B7-4		201	21	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Lt MD at joints T/O	None	2016	0145-0458		
Street	Beaconsfield	SW2836	B7-6		B7-5		103	18	RCP	0.6	0.5	1	2.1	3	6.3	0					0	0	Mult. Crack(60'), Long. Crack(69'), Lt MD at joints(11', 19', 85')	10' SCIPP (59'-69')	2016	0145-0458		
Street	Beaconsfield	SW2837	B7-7		B7-6		34	18	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Lt MD at joints(8', 24')	None	2016	0145-0458		
Street	Beaconsfield	SW2838	B4-1		B4-1NNE	6	150	42	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Lt Roots at joints T/O, Lt MD at joints(96', 108'), Survey abandoned(150')-Roots	None	2016	0145-0458		
Street	Beaconsfield	SW2839	B4-1NE		B4-1NNE		31	15	RCP	0.6	0.5	1	2.1	2	4.2	0					0	0	Long. Crack(19')	None	2016	0145-0458		
Street	Beaconsfield	SW2840	B4-1S		B4-1		57	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Circ. Crack(44')	None	2016	0145-0458		
Street	Beaconsfield	SW2843	B7-3		B7-3N		39	10	RCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crck(14', 16', 20', 25', 29')	None	2016	0145-0458		
Street	Beaconsfield	SW2845	B7-3NW		B7-3W		29	12	RCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(25')	None	2016	0145-0458		
Street	Beaconsfield	SW2846	B7-1SSE		B7-1SE		40	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Beaconsfield	SW2847	B7-1		B7-1SSE		11	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Beaconsfield	SW2848	B7-1NE		B7-1NNE		32	10	RCP	0.5	1	1	2.5	1	2.5	0					0	0	Lt MD at joints(15', 19', 32')	None	2016	0145-0458		
Street	Beaconsfield	SW2849	B7		B6NW		132	10	RCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(86', 91', 107', 121', 130')	None	2016	0145-0458		
Street	Beaconsfield	SW2850	B6NW		B6N		32	10	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Beaconsfield	SW2851	B4-1W		B4-1SW		22	10	RCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(17')	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length H (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Beaconsfield	SW2852	B4-1		B4-1W		29	10	VCP	0.5	0.5	1	2	3	6	1						1	0	Survey abandoned(13')-Large OS, Survey abandoned(13')-Hole with soil visible	Dig Mainline	2016	0145-0458		
Street	Mott	SW2853	B4-3-1N		B4-3-1NW		26	10	PVC	0.5	0.5	1	2	1	2	0						0	0	No defects observed	None	2016	0145-0458		
Street	Nevada	SW2863	NS61-5E		NS61-5		29	12	VCP	0.5	0.5	1	2	2.2	4.4							0			None	2016	0145-0458		
Street	Nevada	SW2864	NS61-5NE		NS61-5		29	12	RCP	0.5	0.5	1	2	1	2							0			None	2016	0145-0458		
Street	Nevada	SW2867	NS61-5W		NS61-5		49	12	VCP	0.5	0.5	1	2	2	4							0			None	2016	0145-0458		
Street	Nevada	SW2870	NS61-3SW		NS61-3		33	12	VCP	0.5	0.5	1	2	2.2	4.4							0			None	2016	0145-0458		
Street	Nevada	SW2871	NS61-3S		NS61-3		26	12	VCP	0.5	0.5	1	2	2.5	5							0			Dig Mainline	2016	0145-0458		
Street	Nevada	SW2872	NS61-3W		NS61-3		51	12	VCP	0.5	0.5	1	2	2.3	4.6							0			None	2016	0145-0458		
Street	Nevada	SW2873	NS61-3NW		NS61-3		57	12	VCP	0.5	0.5	1	2	3	6							0			Dig Mainline	2016	0145-0458		
Street	Nevada	SW2874	NS61-3NNW		NS61-3		54	10	VCP	0.5	0.5	1	2	2.3	4.6							0			NONE	2016	0145-0458		
Street	Nevada	SW2875	NS61-2-2W		NS61-2-2		18	12	VCP	0.5	0.5	1	2	2	4							0			None	2016	0145-0458		
Street	Pleasant	SW2876	E23-5		E23-5S		9	12	VCP	0.5	0.5	1	2	2.5	5	0						0	0	Long Crack(7'), Mult Crack(8')	None	2016	0145-0458		
Street	Pleasant	SW2877	E23-5		E23-5W		27	12	VCP	0.5	0.5	1	2	2.5	5	0						0	0	Long Crack(8', 11', 13'), Mult Crack(9', 16', 20')	None	2016	0145-0458		
Street	Toepfer	SW2878	NS59-7A-3	5.2	NS59-7A-3W		38	12	VCP	0.5	1	1	2.5	2	5	0						0	0	Long Crack(8', 10', 20', 22', 28'), Mult Crack(23'), LT MD at joints T/O	None	2016	0145-0458		
Street	Toepfer	SW2879	NS63-8S		NS63-8SW		27	12	RCP	0.5	0.5	1	2	2	4	0						0	0	Long Crack(17'), Settled deposits(5')	None	2016	0145-0458		
STREET	9 MILE	SW2888	E23-B	18	E23-BW		39.5	12	RCP	0.5	1	1	2.5	1	2.5							0	JOM @ 12'; DAE @ 24', 27', 30'; LL (VCP ELBOW) @ 33'; SIZE REDUCTION @ 35' TO 8" (PVC)	NONE	2016	0145-0458			
STREET	9 MILE	SW2889	E23-B	18	E23-BSW			12	VCP	0.5	1	1	2.5	5	12.5							0	H @ 2' (CALLED OUT ON REPORT, NOT ON VIDEO); MSA @ 20' DUE TO COLLAPSE CAUSED BY LINE INTERSECTION; INFORMATION SENT TO CITY	DIG UP AT 26' TO FIX COLLAPSE	2016	0145-0458			
STREET	9 MILE	SW2891	E23-BS		BT-SW2891		21.4	12	VCP	0.5	0.5	1	2	1	2						0	LINE BT INTO SEG SW2889, TAP IS NOT VISIBLE DUE TO CAMERA BEING COMPLETELY SUBMERGED (COLLAPSE IN SEG SW2889)	SW2889 NEEDS TO BE REPAIRED BEFORE LINE CAN BE PROPERLY TELEvised	2016	0145-0458				
Street	Nevada	SW2892	NS61-8SE		BLIND TAP		24	12	VCP	0.5	1	1	2.5	2	5	0						0	0	Long Crack(8', 11', 14', 20'), Med OS joint(8'-24'), Lt MD at joints(12', 15')	None	2016	0145-0458		
Street	Nevada	SW2893	NS61-8SW		NS61-8		39	12	VCP	0.5	1	1	2.5	2.5	2.5	6.25	0					0	0	Long Crack(10', 11', 13', 25'), Large Separated joint(19')	None	2016	0145-0458		
Street	Pleasant	SW2894	E23-3NW		E23-3		33	12	VCP	0.5	0.5	1	2	2.4	4.8							0			None	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Pleasant	SW2895	E23-3N		E23-3		38	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Pleasant	SW2896	E23-3SW		E23-3		8	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Pleasant	SW2897	E23-3S		E23-3		23	12	VCP	0.5	0.5	1	2	1.8	3.6					0					None	2016	0145-0458		
Street	Pleasant	SW2898	E23-1NW		E23-1W		27	12	VCP	0.5	0.5	1	2	4	8					0					Dig Mainline	2016	0145-0458		
Street	Pleasant	SW2899	E23-1W		E23-1		41	12	VCP	0.5	0.5	1	2	2.2	4.4					0					None	2016	0145-0458		
Street	Pleasant	SW2900	E23-1E		E23-1		28	12	VCP	0.5	0.5	1	2	1.3	2.6					0					None	2016	0145-0458		
Street	Pleasant	SW2901	E23-1NE		BLIND TAP		26	12	VCP	0.5	0.5	1	2	5	10					0					Dig Mainline	2016	0145-0458		
Street	Boulder	SW2902	NS61-1-10SE		NS61-1-10		12	12	RCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Boulder	SW2903	NS61-1-10SW		NS61-1-10		27	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Toepfer	SW2904	NS59-6A	4	NS59-6ASW		55	12	VCP	0.5	1	1	2.5	2.7	6.75	0				0	0	Long Crack(6', 51), Mult Crack(21', 27', 29'), LT MD a joints T/O, Backflow preventer(53')		None	2016	0145-0458			
Street	Boulder	SW2905	NS59-5W		NS59-5		35	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Boulder	SW2909	NS61-1-9N		NS61-1-9		108	12	VCP	0.5	0.5	1	2	4	8					0					Dig Mainline	2016	0145-0458		
Street	Pleasant	SW2910	E23-3NE		E23-3		47	12	RCP	0.5	0.5	1	2	1	2					0					NONE	2016	0145-0458		
Street	TOEPFER EAST OF BOULDER	SW2911	NS-59-6B-B	9.2	NS59-6A-A	14.1	610	12	RCP	0.5	1	1	2.5	1	2.5	2	3			5		Line in good condition			2011-2012	0145-0392			
Street	Boulder	SW2912	NS61-1-2S		NS61-1-2		31	12	RCP	0.5	0.5	1	2	2.2	4.4					0					None	2016	0145-0458		
Street	Boulder	SW2913	NS61-1-2SW		NS61-1-2		33	12	VCP	0.5	0.5	1	2	2.5	5					0					Dig Mainline	2016	0145-0458		
STREET	9 MILE	SW2914	NS61-1		NS61-1SW		57.9	10	PVC/VCP	0.5	0.5	1	2	4	8					0	STARTS AS PVC, THEN MAT CHANGE @ 7' (VCP), 22' (PVC), 31' (VCP); LONG CRACKS @ 10', 19'; MULT CRACKS @ 20'; HOLE VOID VISIBLE IN DRIPPER @ 45'; LARGE OFFSET IN DRIPPER @ 58'		Dig Mainline	2016	0145-0458				
STREET	9 MILE	SW2915	NS61-1		NS61-1E		10.8	12	RCP	0.5	1	1	2.5	1	2.5					0		MEDIUM SEPARATED JOINT @ 6'		NONE	2016	0145-0458			
Street	Birchwood	SW2916	NS69-8		NS69-8NW		32	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Oakwood	SW2917	NS71-7		NS71-7NE		5	12	VCP	0.5	0.5	1	2	2	4					0					NONE	2016	0145-0458		
Street	Oakwood	SW2918	NS71-7		NS71-7W		25	12	VCP	0.5	0.5	1	2	4	8					0					Dig Mainline	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street		SW2919	NS71-8S		NS71-8SW		33	12	PVC	0.5	0.5	1	2	2.5	5					0					NONE	2016	0145-0458		
Street		SW2920	NS71-11N		NS71-11		9	12	VCP	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458		
Street	Oakwood	SW2921	NS71-11		NS71-11NW		26	12	VCP	0.5	0.5	1	2	2.2	4.4					0					None	2016	0145-0458		
Street	Firwood	SW2922	NS74-7		NS74-7S		7	12	PVC	0.5	0.5	1	2	1	2					0					NONE	2016	0145-0458		
Street	Firwood	SW2923	NS74-7		NS74-7SW		28	12	PVC	0.5	0.5	1	2	1	2					0					NONE	2016	0145-0458		
Street	Firwood	SW2924	NS74-6S		NS74-6		19	12	RCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Firwood	SW2925	NS74-6		NS74-6SW		33	12	VCP	0.5	0.5	1	2	2.5	5					0					Dig Mainline	2016	0145-0458		
Street	Firwood	SW2926	NS74-5SE		NS74-5		27	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Firwood	SW2927	NS74-4S		NS74-4		11	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Firwood	SW2928	NS74-4		NS74-4SW		26	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Firwood	SW2929	NS74-3SE		NS74-3		42	12	VCP	0.5	0.5	1	2	5	10					0					Dig Mainline	2016	0145-0458		
Street	Firwood	SW2931	NS74-3		NS74-3W		60	12	VCP	0.5	0.5	1	2	4	8					0					Dig Mainline	2016	0145-0458		
Street	Firwood	SW2932	NS74-3		NS74-3SW		35	12	VCP	0.5	0.5	1	2	4	8					0					Dig Mainline	2016	0145-0458		
Street	Firwood	SW2933	NS74-3NE		NS74-3		27	12	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Firwood	SW2934	NS74-3NW		NS74-3		37	12	PVC	0.5	0.5	1	2	2.1	4.2					0					None	2016	0145-0458		
Street		SW2941	NS76-3		NS76-3NE		38	12	PVC	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458		
Street		SW2942	NS76-3		NS76-3NW		45	12	VCP	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458		
Street		SW2943	NS76-3		NS76-3W		50	12	VCP	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458		
Street	Beechwood	SW2944	NS76-6SW		BLIND TAP		32	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Beechwood	SW2945	NS76-8SE		NS76-8		13	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street		SW2946	NS76-8		NS76-8SW		30	12	VCP	0.5	0.5	1	2	2.6	5.2					0					None	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Beechwood	SW2948	NS76-5W		BLIND TAP		27	12	VCP	0.5	0.5	1	2	2.2	4.4						0				None	2016	0145-0458		
Street		SW2949	NS76-5SW		NS76-5		50	12	VCP	0.5	0.5	1	2	2.5	5						0				None	2016	0145-0458		
Street	Oakwood	SW2950	NS71-6		NS71-6W		25	12	VCP	0.5	0.5	1	2	1.9	3.8						0				NONE	2016	0145-0458		
Street	Oakwood	SW2951	NS71-6		NS71-6SW		39	12	VCP	0.5	0.5	1	2	2	4						0				NONE	2016	0145-0458		
STREET	9 MILE	SW2952	NS74-1		NS74-1SW		51.9	12	VCP	0.5	1	1	2.5	2.2	5.5						0	MULT CRACKS @ 24', 36', 39'; PVC FROM 26'-28'; ALIGNMENT LEFT @ 31.4'		NONE	2016	0145-0458			
Street		SW2955	NS76-3SW		NS76-3W		27	12	VCP	0.5	0.5	1	2	2.5	5						0				None	2016	0145-0458		
Street	Birchwood	SW2956	NS69-7-1NW		NS69-7-1		42	12	VCP	0.5	0.5	1	2	3	6						0				Dig Mainline	2016	0145-0458		
Street	Birchwood	SW2957	NS69-7-1N		NS69-7-1		10	12	VCP	0.5	0.5	1	2	3	6						0				Dig Mainline	2016	0145-0458		
Street	Beechwood	SW2958	NS76-4SW		NS76-4S		28	12	PVC	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Beechwood	SW2959	NS76-4S		NS76-4		18	12	VCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Firwood	SW2960	NS74-5SW		NS74-5		33	12	VCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Firwood	SW2961	NS74-5SWW		NS74-5		44	12	VCP	0.5	0.5	1	2	3	6						0				Dig Mainline	2016	0145-0458		
Street	Firwood	SW2962	NS74-5NW		NS74-5		51	12	VCP	0.5	0.5	1	2	2.5	5						0				Dig Mainline	2016	0145-0458		
Street	Firwood	SW2963	NS74-5NE		NS74-5		49	12	VCP	0.5	0.5	1	2	2.3	4.6						0				None	2016	0145-0458		
Street	Firwood	SW2964	NS74-5E		NS74-5		38	12	VCP	0.5	0.5	1	2	2.5	5						0				Dig Mainline	2016	0145-0458		
Street	Oakwood	SW2965	NS71-9S		BLIND TAP		2	12	VCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Oakwood	SW2966	NS71-9W		NS71-9		100	12	VCP	0.5	0.5	1	2	1.2	2.4						0				None	2016	0145-0458		
Street	Oakwood	SW2967	NS71-9SE		NS71-9		33	12	VCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458		
Street	Oakwood	SW2968	NS71-9E		NS71-9		130	12	VCP	0.5	0.5	1	2	2.4	4.8						0				None	2016	0145-0458		
Street		SW2969	NS76-7SW		NS76-7		48	12	VCP	0.5	0.5	1	2	2.5	5						0				None	2016	0145-0458		
Street	Beechwood	SW2970	NS76-7S		NS76-7		80	12	VCP	0.5	0.5	1	2	2.1	4.2						0				None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped								
Street	Birchwood	SW2971	NS69-9N		NS69-9NNE		12	10	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458				
Street	Birchwood	SW2972	NS69-9NNE		NS69-9		101	12	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458				
Street		SW2973	NS69-9NNW		NS69-9NNE		28	10	VCP	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458				
Street	Elmwood	SW2974	NS68-9SW		BLIND TAP		30	12	VCP	0.5	0.5	1	2	3.3	6.6	0				0	0	Hinge and Mult Cracks T/O		Dig Mainline	2016	0145-0458					
Street	Elmwood	SW2976	NS68-6		NS68-6N		22	12	VCP	0.5	0.5	1	2	1	2	1				1	0	Med OS joint(14'), Lt Roots at joints(16', 18')		None	2016	0145-0458					
Street	Elmwood	SW2978	NS68-5		NS68-5SW		36	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long Crack(9', 17', 21'), Spiral Fracture(20'), Lt Roots at select joints T/O		None	2016	0145-0458					
Street	Elmwood	SW2979	NS68-4		NS68-4S		25	12	VCP	0.5	0.5	1	2	1	2	1				1	0	Med OS joint(11', 17')		None	2016	0145-0458					
Street	Elmwood	SW2982	NS68-3		NS68-3N		24	12	VCP	0.5	0.5	1	2	1.9	3.8	1				1	0	Long Crack(10'), Med OS joint(14', 17', 19')		None	2016	0145-0458					
Street	Elmwood	SW2983	NS68-2		NS68-2S		14	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(8')		None	2016	0145-0458					
Street	Elmwood	SW2984	NS68-2		NS68-2SW		27	12	VCP	0.5	0.5	1	2	3.3	6.6	0				0	0	Long Crack(11'), Hinge crack(15'), Mult crack(15')		Dig Mainline	2016	0145-0458					
STREET	9 MILE	SW2985	NS68-1S	4.5	NS68-1A		11.6	12	VCP	0.5	1	1	2.5	4	10												Dig Mainline	2016	0145-0458		
STREET	9 MILE	SW2986	NS68-1SW	4.5	BLIND TAP		10	12	VCP	0.5	1	1	2.5	5	12.5												Dig Mainline	2016	0145-0458		
Street	Hayes	SW2987	NS69-6		NS69-6NW		62	12	VCP	0.5	1	1	2.5	3	7.5	0				0	0	Large OS joint(11'), Hinge(1'), Long Crack(7', 8', 36', 39'), Mult Crack(10', 41'-62'), Hinge Crack(49'), Li Roots at joints(19'-30')		Dig Mainline	2016	0145-0458					
Street	Hayes	SW2988	NS69-6		NS69-6W		47	12	VCP	0.5	1	1	2.5	2	5	0				0	0	Mult Crack(19'), Med OS joint(4'), Li Roots at selected joints T/O, Size reduces to 10'(33'), Backflow preventer(39')		None	2016	0145-0458					
Street	Hayes	SW2989	NS69-5		NS69-5S		21	12	VCP	0.5	1	1	2.5	1	2.5	0				0	0	Li MD at joints(6')		None	2016	0145-0458					
Street	Hayes	SW2990	NS69-5		NS69-5SW		32	12	VCP	0.5	1	1	2.5	2	5	0				0	0	Long Crack(7', 19'), Med OS joint(12', 18'), Mult Crack(16'-32')		None	2016	0145-0458					
Street	Hayes	SW2991	NS69-4		NS69-4S		22	12	VCP	0.5	1	1	2.5	1.7	4.25	1				1	0	Med OS joint(10', 16'), Mult crack(19')		None	2016	0145-0458					
Street	Hayes	SW2993	NS69-3		NS69-3N		27	12	VCP	0.5	1	1	2.5	2	5	0				0	0	Long Crack(7', 13', 14', 15'), Med OS joint(22'), Mult crack(23')		None	2016	0145-0458					
Street	Hayes	SW2994	NS69-3		NS69-3NW		39	12	VCP	0.5	1	1	2.5	3	7.5	0				0	0	Mult Cracks T/O, Li MD at selected joints T/O		Dig Mainline	2016	0145-0458					
Street	Hayes	SW2995	NS69-2		NS69-2S		14	12	VCP	0.5	1	1	2.5	1	2.5	0				0	0	No defects observed		None	2016	0145-0458					
Street	Hayes	SW2996	NS69-2		NS69-2SW		27	12	VCP	0.5	1	1	2.5	2	5	0				0	0	Mult Crack(6'), Med OS joint(21'), Size reduces to 10'(19')		None	2016	0145-0458					

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped				
STREET	9 MILE	SW2997	NS67-1SW	4	NS67-1S		26.1	12	VCP	0.5	0.5	1	2	2.1	4.2						0	MULT CRACKS THROUGHOUT; OFFSET JOINTS THROUGHOUT	NONE	2016	0145-0458		
STREET	9 MILE	SW2998	NS67-1SW	4	NS67-1		34.5	12	VCP	0.5	1	1	2.5	2.5	6.25						0	HINGE FRACTURE (4) @ 6'-10", 20'-23'; MAT CHANGE FROM 10.5"-20.4" (RCP); ROOTS @ 6'	NONE	2016	0145-0458		
Street	Couzens	SW2999	NS67-3-2		NS67-3-2N		28	12	VCP	0.5	0.5	1	2	1	2	0					0	Size reduces to 8'(16')	None	2016	0145-0458		
Street	Couzens	SW3000	NS67-3-2		NS67-3-2W		6	12	VCP	0.5	0.5	1	2	5	10	0					0	Collapse(1')	Dig Mainline	2016	0145-0458		
Street	Linwood	SW3001	NS67-6		NS67-6SW		28	12	VCP	0.5	0.5	1	2	2	4	0					0	Med OS joint(15'), Long Crack(27')Size reduces to 10'(20'-25')	None	2016	0145-0458		
Street	Linwood	SW3002	NS67-7NW		Blind Tap		29	12	RCP	0.5	0.5	1	2	3	6	0					0	Long. Crack(9', 12', 13'), Hinge Crack(15'-29'), Lt Roots at joints T/O	Dig Mainline	2016	0145-0458		
Street	Maplewood	SW3003	NS67-12NW		NS67-12W		26	12	VCP	0.5	0.5	1	2	1	2					0		None	2016	0145-0458			
Street	Linwood	SW3005	NS67-10		NS67-10NE		39	12	VCP	0.5	0.5	1	2	3	6	0					0	Mult Cracks T/O, Lt Roots at joints T/O, Size reduces to 4'(36')	Dig Mainline	2016	0145-0458		
Street	Maplewood	SW3006	NS67-10A		NS67-10AE		10	12	VCP	0.5	0.5	1	2	2	4	0					0	Mult crack(7'), Circ crack(8')	None	2016	0145-0458		
Street	Maplewood	SW3007	NS67-12		NS67-12W		20	12	VCP	0.5	0.5	1	2	3	6	0					0	Mult Crack(6'-20'), Lt MD at joints(7'-20'), Size reduced to 4'(17')	Dig Mainline	2016	0145-0458		
Street	Maplewood	SW3008	NS67-13		NS67-13NE		12	12	VCP	0.5	0.5	1	2	3	6	0					0	Mult Cracks T/O, Size reduced to 4'(9')	Dig Mainline	2016	0145-0458		
Street	Mihelich	SW3010	NS67-8-1A		NS67-8-1ANE		15	12	VCP	0.5	0.5	1	2	3	6	0					0	Mult Cracks(7'-15'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Mihelich	SW3011	NS67-8-1A		NS67-8-1AW		17	12	VCP	0.5	0.5	1	2	1	2	0					0	Lt MD at joints T/O	None	2016	0145-0458		
STREET	9 MILE	SW3013	NS69-1W	2	NS59-1A		13.6	12	RCP	0.5	1	1	2.5	3	7.5					0	MULT CRACKS @ 6'	NONE	2016	0145-0458			
Street	Hayes	SW3016	NS69-3		NS69-3SE		27	12	VCP	0.5	1	1	2.5	3	7.5	1				1	0	Med OS joint(7'), Hinge Crack(8'), Mult Crack(11'-27')	Dig Mainline	2016	0145-0458		
Street	Elmwood	SW3018	NS68-3		NS68-3W		51	12	VCP	0.5	0.5	1	2	2.5	5	1				1	0	Long. And Mult cracks T/O	None	2016	0145-0458		
Street	Elmwood	SW3019	NS68-3		NS68-3E		30	12	VCP	0.5	0.5	1	2	2	4	1				1	0	Long. Crack(9'), Med OS joint(11', 14'), Spiral Fracture(12', 15')	None	2016	0145-0458		
Street	Hayes	SW3021	NS69-8NNW		BLIND TAP		36	12	VCP	0.5	1	1	2.5	1.5	3.75	0				0	0	Long. Crack(19', 22'), Med OS joint(30', 33')	None	2016	0145-0458		
Street	Hayes	SW3022	NS69-6		NS69-6NE		58	12	VCP	0.5	1	1	2.5	2.5	6.25	1				1	0	Long. And Mult cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Elmwood	SW3023	NS68-7		NS68-7W		44	12	VCP	0.5	0.5	1	2	2.6	5.2	1				1	0	Mult Crack(7'), Long. Crack(8', 19'), Med OS joint(30'), Lt Roots at joints(34', 37', 40')	None	2016	0145-0458		
Street	Hayes	SW3024	NS69-6SE		NS69-6SW		27	12	PVC	0.5	1	1	2.5	1	2.5	0				0	0	No defects observed	None	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped					
Street	Elmwood	SW3027	NS68-8		NS68-8NW		30	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Cracks T/O, Long Crack(12', 14', 16'), Lt MD and Lt Roots T/O	None	2016	0145-0458		
Street	Linwood	SW3029	NS67-3		NS67-3SW		29	12	VCP	0.5	0.5	1	2	1.5	3	0					0	0	med OS joint(13', 15'), Long Crack(14', 18')	None	2016	0145-0458		
Street	Linwood	SW3030	NS67-3		NS67-3S		23	12	VCP	0.5	0.5	1	2	3.2	6.4	0					0	0	Mult Crack(8'), Hinge Crack(7'), Long Crack(11')	Dig Mainline	2016	0145-0458		
Street	Linwood	SW3032	NS67-3SE		NS67-3		40	12	VCP	0.5	0.5	1	2	2.1	4.2						0			NONE	2016	0145-0458		
STREET	COUZENS	SW3033	NS67-3-1		NS67-3-1NW		15	12	VCP	0.5	0.5	1	2	2	4								MULT CRACKS @ 8'; SPIRAL CRACK @ 10'; ROOTS @ 10'	NONE	2016	0145-0458		
STREET	COUZENS	SW3034	NS67-3-1		NS67-3-1NNW		29	12	VCP	0.5	0.5	1	2	1.8	3.6						0		LONG CRACK @ 7'; SPIRAL CRACK @ 9', 22'; MULT CRACKS @ 11'; ALIGNMENT UP @ 24'	NONE	2016	0145-0458		
Street	Nehls	SW3035	NS67-4-1		NS67-4-1W		21	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Med OS joint(17'), Mult. Crack(18')	None	2016	0145-0458		
Street	Linwood	SW3036	NS67-5		NS67-5SW		107	12	VCP	0.5	0.5	1	2	1.5	3	0					0	0	Long Crack(17', 68'), Med OS joint(20', 30', 44', 71', 75')	None	2016	0145-0458		
Street	Linwood	SW3037	NS67-7SW		NS67-7		55	12	VCP	0.5	0.5	1	2	4	8					0			Dig Mainline	2016	0145-0458			
Street	Linwood	SW3038	NS67-9		NS67-9N		27	12	VCP	0.5	0.5	1	2	2.8	5.6	0				0	0	Long Crack(9'), Mult Crack(6', 16', 21'), Lt Roots at joints T/O	None	2016	0145-0458			
Street	Nehls	SW3040	NS67-4-2		NS67-4-2W		11	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Crack Spiral(6'), Med OS joint(6'), Spiral Fracture(7')	None	2016	0145-0458			
Street	Nehls	SW3041	NS67-4-2		NS67-4-2N		27	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Long Crack(10', 11'), Med OS Joint(15', 21'), Mult Crack(22')	None	2016	0145-0458			
Street	Mihelich	SW3042	NS67-8-1BE		NS67-8-1BSW		63	8	VCP	0.5	0.5	1	2	2.6	5.2	0				0	0	Mult Crack(6', 10'-63'), Long Crack(55', 57'), Lt MD at joints(16'-63')	None	2016	0145-0458			
Street	Mihelich	SW3043	NS67-8-1BE		NS67-8-1B		11	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(7'), Size reduces to 4"(8')	Dig Mainline	2016	0145-0458			
Street	Nehls	SW3044	NS67-4-3		NS67-4-3SE		9	8	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Nehls	SW3045	NS67-4-3		NS67-4-3NE		24	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack T/O	Dig Mainline	2016	0145-0458			
Street	Mihelich	SW3046	NS67-8-1NNW		NS67-8-1NNE		27	8	VCP	0.5	0.5	1	2	1	2	0				0	0	Med Roots at joints(9', 12')	None	2016	0145-0458			
Street	Crescentwood	SW3047	NS67-8-1		NS67-8-1NNW		62	12	VCP	0.5	0.5	1	2	3.5	7	0				0	0	Mult and Long. Cracks T/O, Hinge Crack(22', 30'), Lt Roots at select joints T/O, Size reduces to 8"(65')	Dig Mainline	2016	0145-0458			
Street	Crescentwood	SW3048	NS67-8-1		NS67-8-1NW		54	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(11'), Lt Roots at joints T/O	None	2016	0145-0458			
Street	Crescentwood	SW3049	NS67-8-1		NS67-8-1W		46	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Crescentwood	SW3052	NS67-8-3		NS67-8-3W		10	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long. And Mult Crack(9')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped				
Street	Crescentwood	SW3053	NS67-8-3		NS67-8-3NW		29	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Long Crack(9', 19'), Hole(9'), Hinge Crack(22'-29')	Dig Mainline	2016	0145-0458		
Street	Maplewood	SW3054	NS67-10AE		NS67-10ANE		51	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Cracks T/O, Lt to Med Roots at joints T/O	Dig Mainline	2016	0145-0458		
Street	Couzens	SW3055	NS67-3-3		NS67-3-3W		14	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Size reduces to 6'(7')	None	2016	0145-0458		
Street	Couzens	SW3056	NS67-3-3		NS67-3-3N		29	12	VCP	0.5	0.5	1	2	2.1	4.2	0				0	0	Long Cracks T/O, mult Crack(19')	None	2016	0145-0458		
Street	Toepfer	SW3057	NS59-7		NS59-7N		61	12	VCP	0.5	0.5	1	2	4	8	0				0	0	Multi Crack(6'-36'), Hinge Crack(16', 18'), Hinge Fracture(20', 22'-36'), Survey abandoned(36')-Broken with large void, Reverse-Long Crack(19'), Survey abandoned(25')-point of previous progress	Dig Mainline (36'-42') Repaired during Toepfer R&R FCIP	2016	0145-0458		
Street	Toepfer	SW3058	NS59-7	5.8	NS59-7NW		72	12	VCP	0.5	0.5	1	2	3.1	6.2	0				0	0	Mult Crack(5'-48', 53', 63', 64'), Hinge Fracture(34'-38')	FCIP	2016	0145-0458		
STREET	REDMOND	SW3061	NS59-7-2B	10	NS59-7-2BS		65.4	12	VCP	0.5	0.5	1	2	1	2					0	0	OFFSET JOINTS @ 40', 55', 64', FINE ROOTS THROUGHOUT	NONE	2016	0145-0458		
STREET	REDMOND	SW3063	NS59-7-2B	10	NS59-7-2BWSW		98	12	RCP	0.5	0.5	1	2	5	10					0	0	MEDIUM OFFSETS THROUGHOUT, GAS LINE BORETHROUGH @ 12' & 15' HOLE @ 83.2', MSA DUE TO GAS LINE	DIG UP AND REPLACE AT BORETHROUGH	2016	0145-0458		
STREET	CRESCENTWOOD	SW3084	NS59-7-0-2NW		NS59-7-0-2N		28.4	12	VCP	0.5	0.5	1	2	3	6					0	0	MULT CRACKS @ 12'	NONE	2016	0145-0458		
STREET	CRESCENTWOOD	SW3085	NS59-7-0-2NW	5	NS59-7-0-2		155.8	12	VCP	0.5	0.5	1	2	1.8	3.6					0	0	LONG CRACKS THROUGHOUT	NONE	2016	0145-0458		
Street	Toepfer	SW3086	NS59-12-3	4.2	NS59-12-3SW		45	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0	Lt MD at select joints T/O	None	2016	0145-0458		
STREET	9 MILE	SW3087	NS64-1A	7	NS64-1SE		21.2	12	RCP	0.5	1	1	2.5	3	7.5							MAT CHANGE @ 12.4-14.7' (VCP); SPIRAL CRACK @ 13'; MULT FRACTURE @ 19'	NONE	2016	0145-0458		
Street	Piper	SW3090	NS48-5NE		NS48-5		49	12	VCP	0.5	0.5	1	2	3	6					0	0		Dig Mainline	2016	0145-0458		
Street	Piper	SW3091	NS48-5		NS48-5NNW		50	12	VCP	0.5	0.5	1	2	3	6					0	0		Dig Mainline	2016	0145-0458		
Street	Piper	SW3092	NS48-5NW		NS48-5W		27	12	VCP	0.5	0.5	1	2	1	2					0	0		None	2016	0145-0458		
Street	Piper	SW3093	NS48-5W		NS48-5		53	12	VCP	0.5	0.5	1	2	4	8					0	0		Dig Mainline	2016	0145-0458		
Street		SW3094	NS48-5SW		NS48-5		35	12	VCP	0.5	0.5	1	2	2.5	5					0	0		None	2016	0145-0458		
Street	Piper	SW3095	NS48-5SE		NS48-5		21	12	VCP	0.5	0.5	1	2	1	2					0	0		None	2016	0145-0458		
Street	Rein	SW3096	NS46-7		NS46-7S		13	12	RCP	0.5	0.5	1	2	1	2					0	0		None	2016	0145-0458		
Street	Rein	SW3097	NS46-7		NS46-7SW		24	12	RCP	0.5	0.5	1	2	1	2					0	0		None	2016	0145-0458		
Street	Rein	SW3098	NS46-5SE		NS46-5		25	12	VCP	0.5	0.5	1	2	1	2					0	0		None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
STREET	Rein	SW3099	NS46-5NE		NS46-5SE		26	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3100	NS46-5NNW		NS46-5		47	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3101	NS46-5NW		NS46-5SW		23	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3103	NS46-2		NS46-2S		8	8	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3104	NS46-2		NS46-2SW		28	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Piper	SW3105	NS48-2N		BLIND TAP		9	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Piper	SW3106	NS48-2NNW		BLIND TAP		27	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Shakespeare	SW3107	NS53-6NW		NS53-6		17	12	VCP	0.5	0.5	1	2	5	10					0					Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW3108	NS53-6SW		NS53-6		28	12	VCP	0.5	0.5	1	2	3.3	6.6					0					Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW3109	NS53-6SE		NS53-6		15	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Shakespeare	SW3110	NS53-6N		NS53-6		44	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Shakespeare	SW3111	NS53-8NW		NS53-8		29	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street		SW3112	NS53-6E		BLIND TAP		34	12	VCP	0.5	0.5	1	2	3	6					0					None	2016	0145-0458		
Street	Shakespeare	SW3113	NS53-8		NS53-8NE		10	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3114	NS46-6SW		NS46-6		32	12	VCP	0.5	0.5	1	2	3	6					0	Gas line - sent to consumers		Dig Mainline	2016	0145-0458				
Street	Rein	SW3115	NS46-6S		NS46-6		57	12	VCP	0.5	0.5	1	2	1.5	3					0					None	2016	0145-0458		
Street	Cushing	SW3116	NS43-5SW		NS43-5NW		25	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Cushing	SW3117	NS43-5NW		NS43-5		53	12	VCP	0.5	0.5	1	2	3.3	6.6					0					Dig Mainline	2016	0145-0458		
Street	Cushing	SW3118	NS43-5NNW		NS43-5		42	12	PVC	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Cushing	SW3119	NS43-5AW		BLIND TAP		25	12	VCP	0.5	0.5	1	2	1.5	3					0					None	2016	0145-0458		
Street	Cushing	SW3121	NS43-2SW		NS43-2		30	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Cushing	SW3122	NS43-2ASW		BLIND TAP		25	12	VCP	0.5	0.5	1	2	5	10					0					Dig Mainline	2016	0145-0458		
Street	Melrose Ct	SW3123	E23-1-2NW		E23-1-2		60	12	VCP	0.5	0.5	1	2	2.3	4.6					0					None	2016	0145-0458		
Street	Shakespeare	SW3125	NS53-4NW		NS53-4SW		25	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Shakespeare	SW3126	NS53-4SW		NS53-4		49	12	VCP	0.5	0.5	1	2	1.5	3					0					None	2016	0145-0458		
Street	Shakespeare	SW3127	NS53-4NE		NS53-4E		24	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Shakespeare	SW3128	NS53-4E		NS53-4		23	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Shakespeare	SW3129	NS53-4NNW		NS53-4		60	12	VCP	0.5	0.5	1	2	2.3	4.6					0					None	2016	0145-0458		
STREET	Piper	SW3130	NS48-3NNW		BLIND TAP		26	12	VCP	0.5	0.5	1	2	1.5	3					0					None	2016	0145-0458		
STREET	Piper	SW3131	NS48-3N		NS48-3		36	12	VCP	0.5	0.5	1	2	2.3	4.6					0					None	2016	0145-0458		
STREET	Piper	SW3132	NS48-3NE		NS48-3		35	12	VCP	0.5	0.5	1	2	1.3	2.6					0					None	2016	0145-0458		
Street	Piper	SW3133	NS48-3SE		NS48-3		25	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Piper	SW3134	NS48-3S		NS48-3		19	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Piper	SW3135	NS48-3SSW		NS48-3		34	12	VCP	0.5	0.5	1	2	1.5	3					0					None	2016	0145-0458		
Street	Piper	SW3136	NS48-3NW		NS48-3SW		27	12	VCP	0.5	0.5	1	2	5	10					0					Dig Mainline	2016	0145-0458		
Street	Piper	SW3137	NS48-3SW		NS48-3		48	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Rein	SW3138	NS46-2ASW		NS46-2AS	6	22	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
STREET	Rein	SW3139	NS46-2AS		NS46-2A		29	8	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3140	NS46-3NW		NS46-3SW		23	12	VCP	0.5	0.5	1	2	4	8					0					Dig Mainline	2016	0145-0458		
Street	Rein	SW3141	NS46-3SW		NS46-3		52	12	VCP	0.5	0.5	1	2	5	10					0					Dig Mainline	2016	0145-0458		
Street	Rein	SW3142	NS46-3SSW		NS46-3		25	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3143	NS46-3S		NS46-3		22	12	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Rein	SW3144	NS46-3NE		NS46-3SE		25	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3145	NS46-3SE		NS46-3		26	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Cushing	SW3146	NS43-3NW		NS43-3W		25	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Cushing	SW3147	NS43-3W		NS43-3		52	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Cushing	SW3148	NS43-3SW		NS43-3		31	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Cushing	SW3149	NS43-7SW		NS43-7		24	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Toepfer	SW3150	NS48-8SW	3.6	NS48-8		42	12	VCP	0.5	1	1	2.5	1	2.5	0				0	0	Lt MD at joints T/O			None	2016	0145-0458		
Street	Piper	SW3151	NS48-7NW		BLIND TAP		28	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Piper	SW3152	NS48-7N		NS48-7		67	12	VCP	0.5	0.5	1	2	1	2					0					NONE	2016	0145-0458		
STREET	Shakespeare	SW3153	NS53-9S		NS53-9		6	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Shakespeare	SW3154	NS53-9SW		NS53-9		27	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Melrose Ct	SW3155	E23-1-2SW		E23-1-2		37	12	VCP	0.5	0.5	1	2	2.5	5					0					Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW3156	NS53-5N		BLIND TAP		27	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Shakespeare	SW3157	NS53-5NW		NS53-5		53	12	VCP	0.5	0.5	1	2	3	6					0	Utility thru sewer(26')		Dig Mainline	2016	0145-0458				
Street	Melrose Ct	SW3158	E23-1-2-1W		E23-1-2-1SW		28	12	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Melrose Ct	SW3159	E23-1-2-1SW		E23-1-2-1		9	12	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Melrose Ct	SW3160	E23-1-2-2NW		E23-1-2-2N		102	12	VCP	0.5	0.5	1	2	2.5	5					0					FCI/PP	2016	0145-0458		
Street	Melrose Ct	SW3161	E23-1-2-2N		E23-1-2-2		102	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3162	NS46-6NW		BLIND TAP		31	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Rein	SW3163	NS46-6N		NS46-6		148	12	VCP	0.5	0.5	1	2	3	6					0	Gas line - sent to consumers		Dig Mainline (59'-65')	2016	0145-0458				
Street	Rein	SW3164	NS46-4W		NS46-4		24	12	VCP	0.5	0.5	1	2	1.5	3					0					None	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped							
Street	Cushing	SW3165	NS43-4SW		BLIND TAP		32	12	VCP	0.5	0.5	1	2	1.5	3						0				None	2016	0145-0458			
Street	Donald	SW3166	NS40-4		NS40-4SE		9	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed		None	2016	0145-0458			
Street	Donald	SW3167	NS40-4		NS40-4SW		27	10	VCP	0.5	0.5	1	2	3.3	6.6	0					0	0	Hinge Fracture(6'-10') Mult Crack(12', 15'), Long Cracks T/O	Dig Mainline	2016	0145-0458				
Street	Toepfer	SW3170	NS37-7		NS37-7S		8	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed		None	2016	0145-0458			
Street	Toepfer	SW3171	NS37-7		NS37-7W		29	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Hinge Fracture(5') Mult Crack(13', 18', 21'), Long Crack(1', 16', 17')	Dig Mainline	2016	0145-0458				
Street	Rausch	SW3172	NS37-6		NS37-6SW		36	12	RCP	0.5	0.5	1	2	3.2	6.4	0					0	0	Long. Crack(12', 18', 20'), Hinge Crack(22', 25'), Mult crack(23')	Dig Mainline	2016	0145-0458				
Street	Rausch	SW3173	NS37-5NW		NS37-5W		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack T/O, Med Roots(21', 24', 25')			2016	0145-0458			
Street	Rausch	SW3174	NS37-5		NS37-5NW		58	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult crack(20', 30', 37'), Survey abandoned(48')-roots, Reverse Setup-Survey abandoned(10')-roots	Dig Mainline	2016	0145-0458				
Street	Rausch	SW3175	NS37-5		NS37-5NNW		51	12	RCP	0.5	0.5	1	2	4	8	0					0	0	Hinge Crack(6'-16'), Mult Crack(17'-51'), Lt MD at joints T/O, Lt Roots(36', 38', 40', 48')	Dig Mainline	2016	0145-0458				
Street	Rausch	SW3176	NS37-5		NS37-5N		52	12	RCP	0.5	0.5	1	2	2.1	4.2	0					0	0	Long. Crack(17', 36', 41'), Mult crack(48')			None	2016	0145-0458		
Street	Rausch	SW3177	NS37-5E		NS37-5NE		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(6', 15', 18'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458				
Street	Rausch	SW3178	NS37-5		NS37-5E		32	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Long. Cracks T/O, Mult Crack(20', 29'), Lt MD at joints T/O			None	2016	0145-0458		
Street	Rausch	SW3179	NS37-4		NS37-4SW		30	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Hinge cracks and mult cracks T/O, Lt MD at joints T/O, Pipe reduces to 10"(26")	Dig Mainline	2016	0145-0458				
Street	Rausch	SW3180	NS37-3		NS37-3NNW		58	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(11'-58'), Long. Crack(12', 14', 16', 18', 32', 58')			None	2016	0145-0458		
Street	Rausch	SW3181	NS37-3W		NS37-3NW		27	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(24'), Lt MD at joints T/O			None	2016	0145-0458		
Street	Rausch	SW3182	NS37-3		NS37-3W		47	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack T/O, Long. Crack(9'-38'), Lt MD at joints T/O, Size reduced to 4"(44")			None	2016	0145-0458		
Street	Rausch	SW3183	NS37-3		NS37-3SSW		32	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(6', 7'-32'), Long. Crack(10', 16')			None	2016	0145-0458		
Street	Rausch	SW3184	NS37-3		NS37-3E		24	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Hinge Crack(5'), Mult Crack(9'-15'), Size reduces to 4"(23")	Dig Mainline	2016	0145-0458				
Street	Rausch	SW3185	NS37-2		NS37-2SW		28	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(8', 10', 16'), Long. Crack(9', 19'), Lt Md at joints T/O			None	2016	0145-0458		
Street	David	SW3186	NS33-7		NS33-7SW		24	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult cracks and long cracks T/O, Lt MD at joints(7'-24')	Dig Mainline	2016	0145-0458				
Street	David	SW3187	NS33-7		NS33-7S		10	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed		None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	David	SW3188	NS33-5N		NS33-5NNW		28	12	RCP	0.5	0.5	1	2	2	4	0				0	0	0	0	Long. Crack(13'), Lt MD at joints(26')	None	2016	0145-0458		
Street	Saxony	SW3195	NS31-5		NS31-5S		13	12	VCP	0.5	0.5	1	2	1	2	0				0	0	0	0	Lt Roots at joints T/O	None	2016	0145-0458		
Street	Saxony	SW3196	NS31-5		NS31-5SW		27	12	VCP	0.5	0.5	1	2	2.4	4.8	0				0	0	0	0	Long. Crack(10', 14'), Mult Crack(10').	None	2016	0145-0458		
Street	Saxony	SW3197	NS31-6		NS31-6W		50	12	VCP	0.5	0.5	1	2	3.9	7.8	0				0	0	0	0	Long. Fracture(11), Broken (19), Hole(20')	Dig Mainline	2016	0145-0458		
Street	Saxony	SW3198	NS31-6		NS31-6NW		30	12	VCP	0.5	0.5	1	2	3	6	0				0	0	0	0	Mult crack T/O	Dig Mainline	2016	0145-0458		
Street	Saxony	SW3199	NS31-6		NS31-6N		52	12	RCP	0.5	0.5	1	2	1	2	0				0	0	0	0	No defects observed	None	2016	0145-0458		
Street	Lambrecht	SW3200	NS6-11-7		NS6-11-7SW		30	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Lambrecht	SW3201	NS28-3		NS28-3SW		22	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Lambrecht	SW3202	NS28-2		NS28-2SW		30	12	VCP	0.5	0.5	1	2	2.5	5					0					Dig Mainline	2016	0145-0458		
STREET	9 MILE	SW3203	NS28-1		NS28-1W			12	VCP	0.5	1	1	2.5	1	2.5					0				OFFSET JOINTS @ 10' 13' 22' MSA DUE TO ASPHALT IN LINE @ 34'. DO NOT SEE ATTEMPT AT REVERSAL	NONE	2016	0145-0458		
Street	Cushing	SW3204	NS43-5NE		NS43-5SE		28	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Cushing	SW3205	NS43-5SE		NS43-5		29	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Cushing	SW3206	NS43-5AS		NS43-5A		6	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Donald	SW3208	NS40-6		NS40-6N		106	12	VCP	0.5	0.5	1	2	2.5	5	1				1	0	1	0	Mult and Long. Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Lambrecht	SW3209	NS28-6NW		NS28-6N		29	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street		SW3210	NS28-6SW		NS28-6S		29	12	VCP	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458		
Street		SW3214	NS43-2S		NS43-2		19	12	VCP	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458		
Street	Cushing	SW3216	NS43-2AS		NS43-2A		6	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
STREET	Cushing	SW3217	NS43-3SE		NS43-3		13	12	RCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
STREET	Cushing	SW3218	NS43-3NE		NS43-3E		25	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
STREET	Cushing	SW3219	NS43-3E		NS43-3		31	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Donald	SW3220	NS40-3SW		NS40-3W		24	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(22'), Lt Roots at joints(8', 11', 24')		None	2016	0145-0458		
Street	Donald	SW3221	NS40-3		NS40-3SW		50	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult cracks T/O, Size changes to 4"(47'), backflow preventer(48")	Dig Mainline	2016	0145-0458			
Street	Donald	SW3222	NS40-3		NS40-3SSW		33	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. And Mult cracks and Med OS joints T/O		None	2016	0145-0458		
Street	Donald	SW3223	NS40-3		NS40-3S		20	12	VCP	0.5	0.5	1	2	3.5	7	0				0	0	Long. And Mult Cracks T/O, Hinge Crack(17")	Dig Mainline	2016	0145-0458			
Street	Donald	SW3224	NS40-3E		NS40-3EE		26	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Long. Crack(12', 20'), Mult crack(12'-24'), Lt MD at joints T/O		None	2016	0145-0458		
Street	Donald	SW3226	NS40-3		NS40-3NW		57	12	VCP	0.5	0.5	1	2	2	4	1				1	0	Long. Mult Cracks T/O, Med OS joints(37'-57")		None	2016	0145-0458		
Street	Donald	SW3227	NS40-3N		Blind Tap		31	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Cracks T/O.		None	2016	0145-0458		
Street	Rausch	SW3228	NS37-3E	1438NS37-3NE		26	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Spiral Fracture(14"), Med OS joint(17")		None	2016	0145-0458			
Street	David	SW3229	NS33-3SW		NS33-3NW		26	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(9'-19'), Lt MD at joints(6'-19')	Dig Mainline	2016	0145-0458			
Street	David	SW3230	NS33-3		NS33-3SW		52	12	VCP	0.5	0.5	1	2	2.4	4.8	1				1	0	Long. Crack(7', 22', 48'), Mult Crack(28', 47")		None	2016	0145-0458		
Street	David	SW3231	NS33-3		NS33-3NNW		55	12	VCP	0.5	0.5	1	2	2.5	5	1				1	0	Long. Cracks T/O, Mult crack(22', 32'), Hinge Crack(44")		None	2016	0145-0458		
Street	David	SW3232	NS33-3SE		NS33-3NE		26	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints T/O		None	2016	0145-0458		
Street	David	SW3233	NS33-3		NS33-3SE		17	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints(6'-14'), Size reduces to 4"(14")		None	2016	0145-0458		
Street	Saxony	SW3234	NS31-4SW		NS31-4NW		28	12	VCP	0.5	0.5	1	2	2.6	5.2	0				0	0	Long. Crack(13', 15'), Mult Crack(13', 15', 19'), Lt Roots at select joints T/O		None	2016	0145-0458		
Street	Saxony	SW3235	NS31-4		NS31-4SW		51	12	VCP	0.5	0.5	1	2	3.7	7.4	0				0	0	Long. Crack(6', 20', 24', 30'), Mult Crack(7'-51'), Hinge Crack(7"), Size reduces to 4"(49")	Dig Mainline	2016	0145-0458			
Street	Saxony	SW3236	NS31-4NNW		Blind Tap		32	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed		None	2016	0145-0458		
Street	Saxony	SW3237	NS31-4		NS31-4N		44	12	PVC	0.5	0.5	1	2	3	6	1				1	0	Spiral Fracture(11'), Lt Roots at joint(38')	Dig Mainline	2016	0145-0458			
Street	Saxony	SW3238	NS31-4		NS31-4SSW		34	12	VCP	0.5	0.5	1	2	4	8	0				0	0	Hinge Fracture(10', 12'-28'), Mult Crack(11', 16'-28'), Lt Roots at joints T/O, Backflow preventer(32")	Dig Mainline	2016	0145-0458			
Street	Saxony	SW3239	NS31-4		NS31-4S		22	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(14')		None	2016	0145-0458		
Street	Lamrecht	SW3240	NS28-4NW		NS28-4W		27	12	VCP	0.5	0.5	1	2	1	2					0		Backflow preventer	Dig Mainline	2016	0145-0458			
Street	Lamrecht	SW3241	NS28-4W		NS28-4		56	12	VCP	0.5	0.5	1	2	4	8					0								

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Lambrecht	SW3242	NS28-4NNW		NS28-4		57	12	VCP	0.5	0.5	1	2	4	8						0				Dig Mainline	2016	0145-0458			
Street	Lambrecht	SW3243	NS28-4SW		NS28-4		33	12	VCP	0.5	0.5	1	2	3	6						0				Dig Mainline	2016	0145-0458			
Street	Toepfer	SW3244	NS37-7		NS37-7SW	4	61	12	RCP	0.5	1	1	2.5	3	7.5	0					0	0			Long, Crack(14'), Med/OS joint(17'), Broken(38'), Mult Crack(51'), Lt MD at select joints T/O	Dig Mainline	2016	0145-0458		
Street	Cushing	SW3245	NS43-7S		NS43-7		6	12	VCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458			
Street	Lambrecht	SW3246	NS28-5SW		NS28-5		27	12	VCP	0.5	0.5	1	2	4	8						0				Dig Mainline	2016	0145-0458			
Street	Saxony	SW3247	NS33-4		NS33-4SW		31	12	VCP	0.5	0.5	1	2	3	6	0					0	0			Dig Mainline	2016	0145-0458			
Street	Saxony	SW3248	NS31-6		NS31-6NE		50	12	VCP	0.5	0.5	1	2	3	6	0	0	0	0	0	0				Dig Mainline	2016	0145-0458			
Street	Saxony	SW3249	NS31-6		NS31-6NNW		58	12	VCP	0.5	0.5	1	2	4	8	0					0	0			Hinge Crack(7', 10', 24', 45', 47'), Broken(46'), Collapse(46'), Hole(47'), Mult Crack(8', 10', 15', 18', 38')	Dig Mainline	2016	0145-0458		
Street	Lambrecht	SW3251	NS6-11-7		NS6-11-7S		22	12	RCP	0.5	0.5	1	2	2	4						0				Backflow preventer	None	2016	0145-0458		
Street	Tuscany	SW3252	NS6-11-6S		NS6-11-6		12	12	RCP	0.5	0.5	1	2	1	2						0				backflow preventer	NONE	2016	0145-0458		
Street	Tuscany	SW3253	NS6-11-6		NS6-11-6SW		34	12	RCP	0.5	0.5	1	2	1	2						0				backflow preventer	NONE	2016	0145-0458		
STREET	Tuscany	SW3254	NS25-6N		NS25-6		50	12	RCP	0.5	0.5	1	2	2.3	4.6						0				backflow preventer	None	2016	0145-0458		
STREET	Tuscany	SW3255	NS25-6NNW		Blind Tap		35	12	RCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458			
Street	Tuscany	SW3256	NS25-6		NS25-6W		55	12	VCP	0.5	0.5	1	2	2.5	5						0				Dig Mainline	2016	0145-0458			
Street	Tuscany	SW3257	NS25-5S		NS25-5		18	12	RCP	0.5	0.5	1	2	1	2						0				backflow preventer	None	2016	0145-0458		
Street	Tuscany	SW3258	NS25-5S		NS25-5SW		27	12	RCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458			
Street	Gascony	SW3260	NS23-4		NS23-4S		11	12	VCP	0.5	0.5	1	2	1	2	0					0	0			No defects observed	None	2016	0145-0458		
Street	Gascony	SW3261	NS23-4		NS23-4SW		24	12	VCP	0.5	0.5	1	2	5	10	0					0	0			Hinge Cracks(8', 11', 13'-24'), Heavy Roots at joints(20')	Dig Mainline	2016	0145-0458		
Street	Gascony	SW3262	NS23-5		NS23-5S		16	12	VCP	0.5	0.5	1	2	4	8	0					0	0			Large OS joint and collapse(1')	Dig Mainline	2016	0145-0458		
Street	Gascony	SW3263	NS23-5		NS23-5SW		29	12	VCP	0.5	0.5	1	2	2.5	5	0					0	1			Mult and long. Cracks T/O	None	2016	0145-0458		
Street	Gascony	SW3264	NS23-5W		NS23-5		51	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0			Mult and long. Cracks T/O	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Gascony	SW3265	NS23-5		Bulkhead (NW)		56	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0			Long. Crack(16', 28'), Mult crack(30')	NONE	2016	0145-0458		
Street	Gascony	SW3266	NS23-5		NS23-5NNW		60	12	VCP	0.5	0.5	1	2	4	8	0					0	0		Hinge and Mult cracks T/O, Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Brittany	SW3267	NS20-5		NS20-5SW		30	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0		Long. Crack(9', 18'-30'), Mult Crack(9'-30'), Size reduces to 10'(23')	None	2016	0145-0458		
Street	Brittany	SW3268	NS20-5		NS20-5W		52	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0		Mult and Long. Cracks T/O	None	2016	0145-0458		
Street	Brittany	SW3269	NS20-5NNW		NS20-5		49	12	VCP	0.5	0.5	1	2	5	10	0					0	0		Hinge Crack(7', 12'), Mult Crack(10', 16', 18'-49'), Broken(49')	Dig Mainline (41'-49')	2016	0145-0458		
Street	Brittany	SW3270	NS20-5		NS20-5E		34	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0		Long. And Mult Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Brittany	SW3271	NS20-2		NS20-2SW		32	12	VCP	0.5	0.5	1	2	2.8	5.6	0					0	0		Lt MD and Mult Cracks T/O, Hinge Crack(29'), Long. Crack(17', 18', 19')	None	2016	0145-0458		
Street	Normandy	SW3272	NS18-2		NS18-2SW		32	12	VCP	0.5	0.5	1	2	3	6	0					0	0		Long. Crack(26', 31'), Hinge Crack(27'), Mult Crack(27'), Med Roots at joint(19')	Dig Mainline	2016	0145-0458		
Street	Normandy	SW3273	NS18-5		NS18-5SW		37	12	PVC	0.5	0.5	1	2	3.3	6.6	0					0	0		Hinge Crack(8'-21'), Mult cracks(8'-37'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Normandy	SW3274	NS18-5		NS18-5NNW		60	12	VCP	0.5	0.5	1	2	3.3	6.6	0					0	0		Mult Cracks T/O, Hinge Crack(9', 11'-24'), Long. Crack(25'-50'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Schroeder	SW3276	NS6-11-2-2		NS6-11-2-2W		32	12	VCP	0.5	0.5	1	2	2.7	5.4	1					1	0		Spiral Fracture(1'), Long. Crack(19', 22'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Normandy	SW3277	NS18-3		NS18-3W		56	12	VCP	0.5	0.5	1	2	3	6	0					0	0		Mult crack(16'-22'), Hinge Crack(22'), Long. Crack(26'-56'), Med Roots at joints(28'-56'), Size reduces to 4'(33')	Dig Mainline	2016	0145-0458		
Street	Normandy	SW3278	NS18-3		NS18-3NW		61	12	VCP	0.5	0.5	1	2	4	8	0					0	0		Hinge Crack(6', 56'), Mult Crack T/O, Long. Crack(15', 38')	Dig Mainline	2016	0145-0458		
Street	Normandy	SW3279	NS18-3NNW		Blind Tap		33	12	VCP	0.5	0.5	1	2	2.1	4.2	0					0	0		Long. Cracks T/O, Lt MD at selected joints T/O, Mult Crack(31')	None	2016	0145-0458		
Street	Normandy	SW3280	NS18-3		NS18-3E		32	12	VCP	0.5	0.5	1	2	2	4	0					0	0		Long. Crack(6'), Size reduces to 4'(32')	None	2016	0145-0458		
Street	Schroeder	SW3281	NS15-6NW		BLIND TAP		35	12	RCP	0.5	0.5	1	2	2	4	0					0	0		Long. Crack(20'), Lt MD at joints(6', 9'-35')	None	2016	0145-0458		
Street	Schroeder	SW3282	NS15-6S		NS15-6W		34	12	RCP	0.5	0.5	1	2	2	4	0					0	0		Long. Crack(8'), Lt MD at joints(13'-34')	None	2016	0145-0458		
Street	Schroeder	SW3283	NS15-4		NS15-4W		28	12	VCP	0.5	0.5	1	2	2	4	0					0	0		Long. Cracks T/O	None	2016	0145-0458		
Street	Schroeder	SW3284	NS15-3		NS15-3NNW		54	12	VCP	0.5	0.5	1	2	4	8	0					0	0		Hinge Cracks T/O, Mult Cracks(10', 13'-54'), Hyd Roots in line(47', 48')	Dig Mainline	2016	0145-0458		
Street	Schroeder	SW3285	NS15-2		NS15-2SW		32	12	VCP	0.5	0.5	1	2	4.3	8.6	0					0	0		Hinge Fracture(5', 14'-19'), Long. Crack(23')	Dig Mainline	2016	0145-0458		
STREET	9 MILE	SW3288	NS23-1A-ANE	4	NS23-1A-A		27.8	12	RCP	0.5	1	1	2.5	3.5	8.75						0			LONG CRACKS @ 9', 15'; BROKEN VOID VISIBLE @ 25'	Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
STREET	9 MILE	SW3289	NS23-1A-ANW	4	NS23-1A-A		28.4	12	RCP	0.5	0.5	1	2	3.5	7						0		LONG CRACK @ 20'; BROKEN SOIL VISIBLE @ 22'	Dig Mainline	2016	0145-0458		
Street	Tuscany	SW3290	NS25-2		NS25-2S		25	12	PVC	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Tuscany	SW3291	NS25-2SW		Blind Tap		35	12	PVC	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Lambrecht	SW3293	NS28-3		NS28-3SE		7	10	PVC	0.5	0.5	1	2	1	2						0		Backflow preventer	None	2016	0145-0458		
Street	Lambrecht	SW3294	NS28-2		NS28-2SE		26	10	PVC	0.5	0.5	1	2	2	4						0			None	2016	0145-0458		
Street	Tuscany	SW3295	NS25-3SW		NS25-3		28	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Tuscany	SW3296	NS25-3S		NS25-3		44	12	PVC	0.5	0.5	1	2	1	2						0		Backflow preventer	None	2016	0145-0458		
Street	Brittany	SW3297	NS20-4		NS20-4SW		28	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Mult Cracks T/O, Long Crack(13', 16', 23'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Normandy	SW3298	NS18-4		NS18-4SW		36	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult and long. Cracks T/O	None	2016	0145-0458		
Street	Normandy	SW3299	NS18-3ESSW		Blind Tap		38	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. And Mult cracks T/O	None	2016	0145-0458		
Street	Brittany	SW3300	NS20-3E		NS20-3NE		27	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt MD at joints T/O, Lt Roots at joints(9', 21')	None	2016	0145-0458		
Street	Brittany	SW3301	NS20-3		NS20-3E		35	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks(9', 10', 11'), Size reduces to 4'(31')	Dig Mainline	2016	0145-0458		
Street	Brittany	SW3302	NS20-3		NS20-3W		51	12	VCP	0.5	0.5	1	2	2.6	5.2	0					0	0	Med OS joint(7', 23'), Mult Crack(11', 12'-51'), Hinge Crack(19'), Long. Crack(23')	None	2016	0145-0458		
Street	Brittany	SW3303	NS20-3N		NS20-3		42	12	VCP	0.5	0.5	1	2	3	6	1				1	0	Mult Cracks T/O, Lt MD at joints T/O	Dig Mainline	2016	0145-0458			
Street	Brittany	SW3304	NS20-3W		NS20-3NW		27	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(6'), Spiral Crack(24')	None	2016	0145-0458		
Street	Brittany	SW3305	NS20-3SW		Blind Tap		39	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult cracks T/O, Long. Crack(7', 9', 21', 32'), Large OS joint(11'), Utility thru sewer(37')	Dig Mainline	2016	0145-0458		
Street	Brittany	SW3306	NS20-3		NS20-3S		130	12	VCP	0.5	0.5	1	2	5	10	1				1	0	Long. And Mult Cracks T/O, Hole with void(130'), Survey abandoned(130') - Utility line thru sewer	Dig Mainline(130'-7') - sent of city FCJPP	2016	0145-0458			
Street	Gascony	SW3308	NS23-3		NS23-3SW		51	12	VCP	0.5	0.5	1	2	3	6					0			Dig Mainline	2016	0145-0458			
Street	Gascony	SW3309	NS23-3SW		NS23-3NW		27	12	VCP	0.5	0.5	1	2	2.5	5					0			Dig Mainline	2016	0145-0458			
Street	Gascony	SW3310	NS23-3		NS23-3S		13	12	VCP	0.5	0.5	1	2	2.7	5.4					0			Dig Mainline	2016	0145-0458			
Street	Gascony	SW3311	NS23-3SSW		Blind Tap		28	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(9')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Tuscany	SW3312	NS25-4		NS25-4SE		25	12	PVC	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Tuscany	SW3313	NS25-4NNW		NS25-4N		25	12	RCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Tuscany	SW3314	NS25-4SE		NS25-4NE		27	12	VCP	0.5	0.5	1	2	2	4					0				None	2016	0145-0458		
Street	Tuscany	SW3315	NS25-4SSW		BLIND TAP		31	12	VCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street		SW3316	NS25-4		NS25-4SW		50	12	VCP	0.5	0.5	1	2	2.5	5					0				None	2016	0145-0458		
Street	Tuscany	SW3317	NS25-4SW		NS25-4NW		29	12	VCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Tuscany	SW3318	NS25-4		NS25-4S		20	12	RCP	0.5	0.5	1	2	1	2					0				backflow preventer	2016	0145-0458		
Street	Lambrecht	SW3319	NS28-6N		NS28-6		45	12	RCP	0.5	0.5	1	2	2	4					0				backflow preventer	2016	0145-0458		
Street	Gascony	SW3320	NS23-6S		NS23-6SW		25	12	VCP	0.5	0.5	1	2	1	2	0				0	0			Backflow preventer(22)	2016	0145-0458		
Street	Brittany	SW3321	NS20-6		NS20-6SW		28	12	VCP	0.5	0.5	1	2	4	8	0				0	0			Long Crack(5', 17'), Hinge Crack(14'), Defective Point repair(8')	2016	0145-0458		
STREET	SCHROEDER	SW3322	NS15-1		NS15-1SW		33	12	VCP	0.5	0.5	1	2	4	8					0				SURFACE MISSING WALL @ 26'; HINGE FRAC (4') @ 26' 28"	2016	0145-0458		
STREET	9 MILE	SW3325	NS18-1A-1	16	NS18-1A-1W		29.8	12	RCP	0.5	1	1	2.5	1	2.5					0				INFIL DRIPPER @ 13', 19'	2016	0145-0458		
Street	Lambrecht	SW3327	NS28-4N		NS28-4		50	12	PVC	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Lambrecht	SW3328	NS28-4S		NS28-4		23	12	VCP	0.5	0.5	1	2	3	6					0				Utility thru sewer(15')	2016	0145-0458		
Street	Schroeder	SW3329	NS15-3NW		NS15-3SW		25	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0			Mult Crack(13'), Long Crack(20' 22'), Med to Hwy Roots at joints T/O	2016	0145-0458		
Street	Schroeder	SW3330	NS15-3		NS15-3SW		48	12	VCP	0.5	0.5	1	2	4	8	0				0	0			Hinge Cracks(6'-17'), Mult Cracks T/O, Li MD at joints T/O, Size reduces to 4'45"	2016	0145-0458		
Street	Brittany	SW3331	NS20-5E		NS20-5NE		26	12	VCP	0.5	0.5	1	2	2.8	5.6	0				0	0			Mult Crack(12' 26'), Long Crack(15'), Li MD at joints T/O	2016	0145-0458		
Street	Brittany	SW3332	NS20-5NW		Bulkhead (NW)		23	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult Crack(16'), Line ends at bulkhead(23')	2016	0145-0458		
Street	Tuscany	SW3333	NS25-6NW		NS25-6W		27	12	VCP	0.5	0.5	1	2	2.5	5					0				Dig Mainline	2016	0145-0458		
Street	Tuscany	SW3334	NS25-7SW		NS25-7S		26	12	RCP	0.5	0.5	1	2	2.5	5					0				Dig Mainline	2016	0145-0458		
Street	Tuscany	SW3335	NS25-7S		NS25-7		27	12	RCP	0.5	0.5	1	2	3	6					0				Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Schroeder	SW3336	NS15-3S		BLIND TAP		43	12	VCP	0.5	0.5	1	2	3.5	7	0					0	0	Long Crack(7'-39'), Broken with hole with Gas line thru sewer(37')	Dig Mainline	2016	0145-0458		
Street	Toepfer	SW3337	NS6-11-4A	4	NS6-11-4ASW		40	12	RCP	0.5	1	1	2.5	4	10	0					0	0	Size reduction to 10'(19'), Holes with void(36'), Long Crack(39'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
STREET	SCHROEDER	SW3338	NS6-11-2		NS6-11-2NW		19	10	RCP	0.5	0.5	1	2	5	10						0		BROKEN COLLAPSE @ 16'; MAT CHANGE @ 16' (VCP); HINGE FRACTURE (4) @ 16-END OF LINE	Dig Mainline	2016	0145-0458		
STREET	SCHROEDER	SW3339	NS6-11-2		NS6-11-2NE		12	10	RCP	0.5	0.5	1	2	3	6						0		MULT CRACK @ 9'; VCP TRAP AT CB	NONE	2016	0145-0458		
Street	Toepfer	SW3340	NS6-11-5A	3.5	NS6-11-5ASW		45	12	RCP	0.5	1	1	2.5	2.3	5.75	0					0	0	Med OS joint T/O, Lt H2S damage(17', 34'), Lt MD at joints(11', 12', 14', 15', 17', 19', 24')	None	2016	0145-0458		
Street	Gascony	SW3341	NS6-11-5		NS6-11-5S		18	12	RCP	0.5	0.5	1	2	2	4	0					0	0	Long Cracks T/O	None	2016	0145-0458		
Street	Gascony	SW3342	NS6-11-5		NS6-11-5SW		31	12	RCP	0.5	0.5	1	2	2	4	0					0	0	Long Crack(8')	None	2016	0145-0458		
Street	Brittany	SW3343	NS6-11-4		NS6-11-4S		18	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(14'), Lt MD at joint(9'), Lt Roots at joint(12')	Dig Mainline	2016	0145-0458		
Street	Brittany	SW3344	NS6-11-4		NS6-11-4SW		33	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult and Long Cracks T/O	None	2016	0145-0458		
Street	Lambrecht	SW3346	NS28-5S		NS28-5		14	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Brittany	SW3347	NS20-3NNW		Blind Tap		35	12	VCP	0.5	0.5	1	2	3.1	6.2	0					0	0	Mult Cracks T/O, Long Cracks(12', 14', 17', 21'), Hinge Crack(25', 28', 31')	Dig Mainline	2016	0145-0458		
Street	Kelly	SW3348	B9-7		B9-6		160	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Morningside	SW3355	NS3-6A	5	BLIND TAP		98	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Broken(61')	Build MH (98') PCiPP	2016	0145-0458		
Street	Morningside	SW3356	NS3-6A	5	NS3-6AW		58	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Morningside	SW3357	NS3-6A	5	NS3-6ASW		12	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Almond	SW3359	EH-33AN	4	EH-33ANNW		25	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Med OS joint(24')	None	2016	0145-0458		
Street	Oak	SW3360	EH-33AW	3.5	EH-33ANW		26	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt MD at joint(10'), Pipe reduces to 8'(22')	None	2016	0145-0458		
Street	Oak	SW3361	EH-33A	9	EH-33AW		103	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult and Long Cracks T/O, Size reduces to 3'(103')	None	2016	0145-0458		
STREET	ROSALIND	SW3363	NS6-3-2ANE		NS6-3-2ASE		27	12	VCP	0.5	0.5	1	2	2.5	5					0		FIRST 10' IS PVC, THEN VCP FOR REST OF LINE, LONG CRACK @ 10'; MULT CRACKS @ 23', HEAVY ROOTS FROM 16'-23'	NONE	2016	0145-0458			
STREET	ROSALIND	SW3364	NS6-3-2A		NS6-3-2ANE		19	12	VCP	0.5	0.5	1	2	2.5	5					0		MULT CRACK @ 6'; LONG CRACK @ 7'; MAT CHANGE @ 9' (PVC)	NONE	2016	0145-0458			
STREET	ROSALIND	SW3365	NS6-3-2A		NS6-3-2B		58	12	VCP	0.5	0.5	1	2	5	10					0		LONG CRACKS THROUGHOUT; MAT CHANGE @ 42' (PVC), AIR (VCP) LARGE OFFSET/MULTI FRACTURES/DEFORMATION @ 48'; HINGE FRACTURE (4) @ 48'-53'	Dig Mainline	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	In Service	Cased						
STREET	ROSLIND	SW3366	NS6-3-2BS		NS6-3-2BSE		27	12	VCP	0.5	0.5	1	2	2	4					0			MULT CRACKS @ 18'; DEPOSITS THROUGHOUT; TRAP AT US CB	NONE	2016	0145-0458			
STREET	WILMOT	SW3370	NS14-2		NS14-2SW		41	12	VCP	0.5	0.5	1	2	2.5	5					0			MULT CRACKS THROUGHOUT	NONE	2016	0145-0458			
STREET	WILMOT	SW3372	NS14-1ANW		BLIND TAP SW3373		30	10	RCP	0.5	0.5	1	2	3	6					0			PVC FOR FIRST 5'; LARGE OFFSET JOINT/HOLE SOIL VISIBLE/ALIGNMENT DOWN @ 26'	Dig Mainline	2016	0145-0458			
STREET	WILMOT	SW3373	NS14-1A		NS14-1AE		22	12	RCP	0.5	0.5	1	2	2.5	5					0			LONG CRACK @ 10'; SPIRAL CRACK @ 12'; MULT FRACTURE @ 19'	NONE	2016	0145-0458			
STREET	ROSLIND	SW3383	NS6-1-4A	8	NS6-1-4	7.5	139	12	VCP	0.5	0.5	1	2	3.5	7								LONG FRACTURE @ 7'; HINGE CRACKING @ 9'; 33' FROM END OF LINE; MULT FRACTURE @ 10' DUE TO ALIGNMENT CHANGE; REVERSE ALIGNMENT CRACKING THROUGHOUT; REACHED POINT OF PREVIOUS INSPECTION	FCIPP	2016	0145-0458			
STREET	ROSLIND	SW3385	NS6-2-3A	8	NS6-2-3	7.5	133	12	VCP	0.5	0.5	1	2	5	10								DIG UP AND REPLACE FROM NS6-2-3A-20'	DIG UP AND REPLACE FROM NS6-2-3A-20'	2016	0145-0458	2013	0145-0433	OCR (5-17)
STREET	ROSLIND	SW3386	NS6-3-2A		NS6-3-2		132	12	VCP	0.5	0.5	1	2	4	8								LONG CRACKS THROUGHOUT; MULT CRACKS @ 46' END OF LINE; HINGE FRACTURE (4) @ 40'; 45'; 48'-72'; TAP FACTORY @ 48(12); 60(9)	Dig Mainline	2016	0145-0458			
STREET	ROSLIND	SW3387	NS6-5-2A	7	NS6-5-2	6.5	115	12	VCP	0.5	0.5	1	2	2.6	5.2								LONG CRACKS THROUGHOUT	FCIPP	2016	0145-0458			
Street	ROSLIND BETWEEN 9 MILE AND LESTER	SW3388	NS6-6-2A	5.5	NS6-6-2	7.6	134	12	RCP	0.5	0.5	1	2	5	10	2				2			Line in fair condition, CH4 (39-61)			2011-2012	0145-0392	?	
Street	ROSLIND BETWEEN 9 MILE AND LESTER	SW3389	NS6-7-1A	5.4	NS6-7-1	8	113	12	RCP	0.5	0.5	1	2	1	2	2				2			Line in good condition, CL (10-26)			2011-2012	0145-0392		
Street	Almond	SW3398	NS6-2-1AN	5.5	NS6-2-1ANW		25	12	VCP	0.5	0.5	1	2	1	2	0				0	0		Size reduces to 8"(24")	None	2016	0145-0458			
STREET	ROSLIND	SW3400	NS6-1-4A		NS6-1-4AW		60	12	VCP	0.5	0.5	1	2	4	8					0			LONG CRACKS @ 5'; 51'-53'; BROKEN SOIL VISIBLE @ 48'; TRAP AT CB	Dig Mainline	2016	0145-0458			
STREET	ROSLIND	SW3401	NS6-1-4A		NS6-1-4ASW		62	12	VCP	0.5	0.5	1	2	5	10					0			HINGE CRACKING @ 44'-END OF LINE; HEAVY ROOTS AT CB	Dig Mainline	2016	0145-0458			
STREET	9 MILE	SW3402	N13-SE		N13		42.3	12	RCP	0.5	1	1	2.5	1	2.5					0			CC @ 11"	NONE	2016	0145-0458			
STREET	WILMOT	SW3405	NS14-6		NS14-6SW		25	12	VCP	0.5	0.5	1	2	3.3	6.6					0			MULT CRACKS THROUGHOUT	NONE	2016	0145-0458			
Street	Schroeder	SW3408	NS15-3		NS15-3E		24	12	VCP	0.5	0.5	1	2	1	2	0			0	0		Lt Roots at joints(11', 14'), Size reduces to 4"(22")	None	2016	0145-0458				
Street	Schroeder	SW3409	NS15-3E		NS15-3NE		26	12	VCP	0.5	0.5	1	2	1	2	0			0	0		Lt Roots at joint(19')	None	2016	0145-0458				
Street	Almond	SW3411	NS6-2-1A	6	NS6-2-1AW		50	12	VCP	0.5	0.5	1	2	2	4	0			0	0		Mult Crack(14'; 40'; 49'); Med OS joint(42'; 45'); Size reduces to 8'(36'). Size increase to 12'(49')	None	2016	0145-0458				
Street	Almond	SW3412	NS6-2-1A	6	NS6-2-1ASW		57	12	VCP	0.5	0.5	1	2	2.5	5	0			0	0		Mult and Long Cracks T/o	None	2016	0145-0458				
STREET	ROSLIND	SW3415	NS6-2-3A		NS6-2-3AW		56	12	VCP	0.5	0.5	1	2	3	6				0			MULT FRACTURES THROUGHOUT; HINGE FRACTURE (4) @ 35'-38'; HEAVY ROOTS @ 42'; CAMERA CANNOT PASS. LINE NOT FINISHED	Dig Mainline	2016	0145-0458				
STREET	ROSLIND	SW3416	NS6-2-3A		NS6-2-3ASW		60	12	VCP	0.5	0.5	1	2	4	8				0			MULT CRACKS/FRACTURES THROUGHOUT; HINGE FRACTURE (4) @ 46'-END OF LINE; 4" PVC PIPE INSERTED INTO END OF LINE	Dig Mainline	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
STREET	ROSLIND	SW3423	NS6-5-2A		NS6-5-2ASW		48	10	VCP	0.5	0.5	1	2	2.4	4.8						0		MULT CRACKS THROUGHOUT; DEPOSITS @ 7'-2"	NONE	2016	0145-0458			
STREET	ROSLIND	SW3425	NS6-5-2A		NS6-5-2ANE		15	10	VCP	0.5	0.5	1	2	2.3	4.6						0		MULT CRACKS THROUGHOUT; TRAP AT CB	NONE	2016	0145-0458			
Street	Morningside	SW3426	NS3-6A	5	NS3-6ANE		12	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458			
STREET	ROSLIND (ALLEY)	SW3429	NS6-1-4A		NS6-1-4AW		9	12	VCP	0.5	0.5	1	2	2	4						0		LONG CRACK @ 6'	NONE	2016	0145-0458			
STREET	SCHROEDER	SW3430	NS15-1		NS15-1S		16	12	VCP	0.5	0.5	1	2	3.3	6.6						0		MULT FRACTURES THROUGHOUT; HINGE FRAC (4) @ 6'; VCP TRAP AT CB	Dig Mainline	2016	0145-0458			
STREET	TOEPFER (ALLEY)	SW3432	NS6-11		NS6-11SW		56	12	RCP	0.5	0.5	1	2	3	6						0		BROKEN @ 6'; 13'; LONG CRACKS @ 13'-19'; SPIRAL FRACTURE @ 43"	Dig Mainline	2016	0145-0458			
Street	Toepfer	SW3433	NS6-12W	4	NS6-12		16	12	PVC	0.5	1	1	2.5	1	2.5	1					1	0	Abandoned Survey(16')-Bend in line	None	2016	0145-0458			
Alley	Mott Alley	SW3439	NS6-10NE		NS6-10		32	12	RCP	0.5	0.5	0.5	1.5	2	3						0			NONE	2016	0145-0458			
Street	Schroeder	SW3442	NS15-6S		NS15-6		6	6	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458			
Street	Rosetta	SW3444	NS3-5ANE	4.5	NS3-5ANW		54	8	PVC	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458			
Street	Rosetta	SW3445	NS3-5ANE	4.5	NS3-5A		11	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458			
Street	Rosetta	SW3446	NS3-5A	5.5	NS3-5ASW		11	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458			
STREET	OAK	SW3447	NS3-4		NS3-4-1		95	12	VCP	0.5	0.5	1	2	2.8	5.6						0		LONG CRACKS THROUGHOUT; HINGE CRACKING @ 6'2"; 42'; TRAP AT US MH	NONE	2016	0145-0458			
STREET	OAK	SW3448	NS3-4-1		NS3-4ASW		8	12	RCP	0.5	0.5	1	2	1	2						0		DEPOSITS AT CB			2016	0145-0458		
Street	Holland	SW3457	E6-3AN	4	E6-3ANE		32	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458			
Street	Empire	SW3458	E6-3A		E6-3AN		4	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458			
Street	Empire	SW3459	E6-2A	4.5	E6-2ASE		24	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458			
Street	Empire	SW3460	E6-2ANE	2.5	E6-2ASE		39	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458			
Street	Rosetta	SW3462	NS3-1-7	4	NS3-1-7SE		8	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(6'), Pipe reduces to 4"(7")	Dig Mainline	2016	0145-0458			
Street	Rosetta	SW3463	NS3-1-7SE		NS3-1-7NE		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O	Dig Mainline	2016	0145-0458			
Street	Rosetta	SW3465	NS3-5B	4.5	NS3-5BSW		8	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(6'), Size reduces to 3"(8")	Dig Mainline	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Petersburg	SW3466	NS3-5B	4.5	NS3-5BN		14	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Mult Crack(6'), Med OS joint(9'), Size reduces to 8'(13')	None	2016	0145-0458		
Street	Petersburg	SW3467	NS3-5BNNE	3	NS3-5BN		42	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Petersburg	SW3468	NS3-5BNNE	3	NS3-5BNE		25	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Morningside	SW3469	NS2-7-2ASSW	3.5	NS2-7-2A		142	10	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult and Long. Cracks T/O, Size increases to 12"(6")	None	2016	0145-0458		
Street	Morningside	SW3470	NS2-7-2ASSW	3.5	NS2-7-2ASW		23	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Size increase to 12"(7")	None	2016	0145-0458		
Street	Almond	SW3471	NS6-1-2	10.5	NS6-1-2AN		101	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Almond	SW3472	NS6-2-1	10	NS6-2-1AN		98	12	VCP	0.5	0.5	1	2	2.5	5	0					0	1	Long. And Mult Cracks T/O, Lt MD stjoints T/O	None	2016	0145-0458		
Street	Lister	SW3473	NS2-8-3SSW	4	NS2-8-3		171	12	RCP	0.5	0.5	1	2	2	4	1					1	0	8" Pipe(0'-6"), Long. Crack(91'; 95', 136', 145'), Lt MD at selected joints T/O	None	2016	0145-0458		
Street	Lister	SW3474	NS2-8-3SW		BLIND TAP		3	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Ash	SW3475	NS2-9-3A	4	NS2-9-3SSW		30	8	PVC	0.5	0.5	1	2	1	2	0					0	0	Size increase to 10'(2'), Size reduces to 8'(21')	None	2016	0145-0458		
Street	Ash	SW3476	NS2-9-3A	4	NS2-9-3		120	10	RCPC	0.5	0.5	1	2	2	4	0					0	0	Med OS joints T/O, Long. Crack(7'; 36', 65'), Mult crack(85', 119')	None	2016	0145-0458		
Street	Ash	SW3480	NS2-14-1	4	NS2-14-1NW		34	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Size reduces to 8'(29')	None	2016	0145-0458		
Street	Ash	SW3481	NS2-14-1		NS2-14-1SE		27	10	RCP	0.5	0.5	1	2	1	2	0					0	0	Med OS joint(16', 19')	None	2016	0145-0458		
Street	Ash	SW3482	NS2-14-1	4	NS2-14-1E		28	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Size reduces to 8'(24')	None	2016	0145-0458		
Street	RAVEN	SW3484	NS2-9-2ANW		Blind Tap		26	10	RCP	0.5	0.5	1	2	2	4					0		LINE ENDS AT CLUND TIE JUST WEST OF NS2-9-2A. LINE COULD NOT BE CLEANED DUE TO CLUND TIE: LONG CRACK THROUGHOUT	NONE	2016	0145-0458			
STREET	RAVEN	SW3486	NS2-9-2AE		Blind Tap		32	10	RCP	0.5	0.5	1	2	1	2					0		DEPOSITS THROUGHOUT: MAT CHANGE AT BLIND TIE (VCP)	NONE	2016	0145-0458			
STREET	RAVEN	SW3488	NS2-9-2A		NS2-9-2AN		33	10	RCP	0.5	0.5	1	2	2	4					0		SPRUAL CRACK @ 7': MAT CHANGE @ 29' (PVC)	NONE	2016	0145-0458			
STREET	MORNINGSIDE	SW3489	NS2-8-2ANW		BLIND TIE		31	12	VCP	0.5	0.5	1	2	2	4					0		LONG CRACK @ 27'	NONE	2016	0145-0458			
STREET	RAVEN	SW3490	NS2-8-2A		NS2-8-2ASW		45	12	VCP	0.5	0.5	1	2	2	4					0		LONG CRACKS @ 15', 19'	NONE	2016	0145-0458			
STREET	RAVEN	SW3492	NS2-7-2-1W		NS2-7-2-1NW		26	12	VCP	0.5	0.5	1	2	3	6					0		MULT CRACKS @ 9'-17'; HEAVY ROOTS @ 21'		2016	0145-0458			
STREET	RAVEN	SW3493	NS2-7-2-1		NS2-7-2-1W		47	12	VCP	0.5	0.5	1	2	5	10					0		LINE FULL OF ROOTS AT BEGINNING, TRAP ON UPSTREAM CB; LINE CANNOT BE COMPLETED	Dig Mainline	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	ROSETTA	SW3496	NS2-1-7A	4.5	NS2-1-7AS		48	12	VCP	0.5	0.5	1	2	1	2	1					1	0	Med OS joint(12', 21', 25', 31', 45')	None	2016	0145-0458		
STREET	RAVEN	SW3497	NS2-5-1A		NS2-5-1ASW		57	12	VCP	0.5	0.5	1	2	1	2						0		OFFSET JOINTS @ 33'-4"	NONE	2016	0145-0458		
STREET	OAK	SW3504	NS3-1-5AN		NS3-1-5ANNW		27	12	VCP	0.5	0.5	1	2	2.8	5.6						0		MULT CRACKS @ 11'-END OF LINE	NONE	2016	0145-0458		
STREET	OAK	SW3505	NS3-1-5A		NS3-1-5AN		37	12	VCP	0.5	0.5	1	2	3.8	7.6						0		MULT CRACKS THROUGHOUT; HINGE CRACKING (4) @ 9'-28"; RESTRICTED TO 4" AT CB	NONE	2016	0145-0458		
STREET	OAK	SW3506	NS3-1-5ASW		NS3-1-5ANW		26	24	VCP	0.8	0.5	1	2.3	1.7	3.91						0		CRACKS @ END OF LINE; DEPOSITS THROUGHOUT	NONE	2016	0145-0458		
STREET	OAK	SW3507	NS3-1-5A		NS3-1-5ASW		62	12	VCP	0.5	0.5	1	2	2.8	5.6						0		MULT CRACKS THROUGHOUT; REDUCED TO 4" AT CB	NONE	2016	0145-0458		
Street	Oak	SW3508	EH-32-1NNE		EH-32-1NE		75	12	RCP	0.5	1	1	2.5	1.5	3.75	0					0	0	Spiral crack(53'), Med Separated joint(64")	None	2016	0145-0458		
STREET	HOLLAND	SW3509	NS3-1ASE		NS3-1AE		31	12	VCP	0.5	0.5	1	2	3	6						0		MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	2016	0145-0458		
STREET	HOLLAND	SW3511	NS3-1ASSE		NS3-1ASSW		27	12	VCP	0.5	0.5	1	2	3	6						0		MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	2016	0145-0458		
STREET	HOLLAND	SW3512	NS3-1A		NS3-1ASSE		43	12	VCP	0.5	0.5	1	2	2.8	5.6						0		MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	2016	0145-0458		
STREET	HOLLAND	SW3513	NS3-1ASW		NS3-1ANW		26	12	VCP	0.5	0.5	1	2	3	6						0		MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	2016	0145-0458		
STREET	HOLLAND	SW3514	NS3-1ASW		NS3-1A		47	12	VCP	0.5	0.5	1	2	2.8	5.6						0		MULT CRACKS THROUGHOUT; REDUCED TO 4" AT CB	NONE	2016	0145-0458		
STREET	HOLLAND	SW3515	NS3-1-3AWSW		NS3-1-3AW		27	12	VCP	0.5	0.5	1	2	2	4						0		LONG CRACK @ 23'; DEPOSITS THROUGHOUT	NONE	2016	0145-0458		
STREET	HOLLAND	SW3516	NS3-1-3A		NS3-1-3ANW		33	12	VCP	0.5	0.5	1	2	2	4						0		LONG CRACKS @ 13'-15"	NONE	2016	0145-0458		
Street	Almond	SW3520	NS6-2-1A	6	NS6-2-1AE		24	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Med OS joints(10', 16', 20')	None	2016	0145-0458		
Street	Almond	SW3522	NS6-2-1A	6	NS6-2-1AN		33	12	VCP	0.5	0.5	1	2	5	10	0					0	0	Broken(13')	Dig Mainline	2016	0145-0458		
STREET	PETERSBURG	SW3524	NS3-1N		NS3-1NE		28	12	VCP	0.5	0.5	1	2	4.5	9						0		MULT CRACKS THROUGHOUT; SAG @ 13'; LARGE CRACK @ 10' FROM 10' OFFSET; REVERSE; REACHED POINT OF PREVIOUS INSPECTION, LINE COMPLETE	Dig Mainline	2016	0145-0458		
STREET	HOLLAND	SW3527	NS3-1A		NS3-1ANE		23	12	VCP	0.5	0.5	1	2	2.6	5.2						0		MULT CRACKS THROUGHOUT; REDUCED TO 4" AT CB	NONE	2016	0145-0458		
STREET	9 MILE	SW3528	NS8-1	4	BULKHEAD WEST		64.4	12	RCP	0.5	1	1	2.5	1	2.5								NOTE LINE NOT ON MAP; JOM @ 33'-36'-61'-65'; LA (VCP ELBOW) @ 60'; BULKHEAD VISIBLE 4' AHEAD	NONE	2016	0145-0458		
STREET	RAVEN	SW3530	NS2-5-1A		NS2-5-1ANW		31	12	VCP	0.5	0.5	1	2	3	6						0		MULT CRACK @ 30'	NONE	2016	0145-0458		
STREET	HOLLAND	SW3531	NS2-3-3NE		BLIND TAP		38	12	VCP	0.5	0.5	1	2	3.3	6.6						0		LONG CRACKS @ 21'-28"	NONE	2016	0145-0458		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
STREET	HOLLAND	SW3534	NS2-3-3		NS2-3-3N		33	12	VCP	0.5	0.5	1	2	2.6	5.2					0				MULT CRACK @ 8'-END OF LINE	NONE	2016	0145-0458		
STREET	HOLLAND	SW3536	NS2-3-3		NS2-3-2		36	12	VCP	0.5	0.5	1	2	5	10					0				MULT CRACK @ 13'-END OF LINE	REPLACE NS2-3-2; AT LEAST REPLACE CHANNEL AND INSTALL BENCH AND CHANNEL	2016	0145-0458		
STREET	RAVEN	SW3539	NS2-8-2ASE		BLIND TIE		21	12	VCP	0.5	0.5	1	2	2.7	5.4					0				MULT CRACKS @ 9'-END OF LINE	NONE	2016	0145-0458		
STREET	RAVEN	SW3540	NS2-8-2A		NS2-8-2ANE		31	12	VCP	0.5	0.5	1	2	3	6					0				MULT CRACKS @ 17'-END OF LINE	NONE	2016	0145-0458		
STREET	RAVEN	SW3542	NS2-7-2-1		NS2-7-2-1NE		38	12	VCP	0.5	0.5	1	2	1	2					0				OFFSET JOINT AT 24'	NONE	2016	0145-0458		
STREET	ROSETTA	SW3544	NS2-6BE		NS2-6BSE		26	12	VCP	0.5	0.5	1	2	3	6					0				MULT CRACKS @ 8'-END OF LINE	NONE	2016	0145-0458		
STREET	OAK	SW3550	EH-25NW		EH-25S		27	12	VCP	0.5	0.5	1	2	3	6					0				CH3 @ 8'-11'; DAE THROUGHOUT	NONE	2016	0145-0458		
STREET	RAVEN	SW3553	NS2-5-1ASE		BLIND TIE		14	12	VCP	0.5	0.5	1	2	1	2					0				OFFSET JOINT @ 10'	NONE	2016	0145-0458		
STREET	RAVEN	SW3554	NS2-5-1ANE		BLIND TIE		9	12	VCP	0.5	0.5	1	2	1	2					0				NO DEFECTS OBSERVED		2016	0145-0458		
STREET	HOLLAND	SW3558	NS2-3-2		NS2-3-2SW		40	12	VCP	0.5	0.5	1	2	2.2	4.4					0				LONG CRACKS THROUGHOUT; TRAP AT CB	NONE	2016	0145-0458		
STREET	HOLLAND	SW3559	NS2-3-1		NS2-3-1S		23	12	VCP	0.5	0.5	1	2	3	6					0				MULT CRACKS @ 15'; TRAP AT CB	NONE	2016	0145-0458		
STREET	HOLLAND	SW3561	NS2-4-1		NS2-4-1SE		24	12	VCP	0.5	0.5	1	2	2.5	5					0				MULT CRACKS @ 13'	NONE	2016	0145-0458		
STREET	RAVEN	SW3562	NS2-1		NS2-1N		9	12	RCP	0.5	0.5	1	2	2	4					0				LONG CRACK @ 7'	NONE	2016	0145-0458		
STREET	RAVEN	SW3563	NS2-1		NS2-1NW		27	12	VCP	0.5	0.5	1	2	2	4					0				LONG CRACKS THROUGHOUT; 2' PVC SECTION @ 20'	NONE	2016	0145-0458		
STREET	STEPHENS	SW3572	NN66-12	19.5	NN66-12NE		51.9	12	CMP	0.5	1	1	2.5	1	2.5					0				TRAP AT CB	NONE	2016	0145-0458		
STREET	STEPHENS	SW3573	NN66-11	21	NN66-11NE		49.5	12	CMP	0.5	1	1	2.5	1	2.5					0				TRAP AT CB	NONE	2016	0145-0458		
Street	Hayes	SW3574	NN70-1-3	8.5	NN70-1-3N		18	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0			Size reduction to 8'(17')	None	2016	0145-0458		
Street	Hayes	SW3575	NN70-1-3N	4.5	NN70-1-3NW		39	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0			No defects observed	None	2016	0145-0458		
Street	Hayes	SW3576	NN70-1-1N	6	NN70-1-1NW		38	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0			No defects observed	None	2016	0145-0458		
Street	Linwood	SW3577	NN70-2-1S	4.5	NN70-2-1	4.5	29	12	VCP	0.5	0.5	1	2	2	4	1				1	0			Long Crack(11'), Size change to 8'(22'), Size change to 12'(28')	None	2016	0145-0458		
Street	Linwood	SW3578	NN70-2-1S	4.5	NN70-2-1SW		27	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult Crack(7', 10')	Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Linwood	SW3579	NN70-2-2	8	NN70-2-N	8	16	12	RCP	0.5	0.5	1	2	1	2	0					0	0		Alignment left(12')	None	2016	0145-0458		
Street	Linwood	SW3580	NN70-2-2	8	NN70-2-NW	36	12	RCP	0.5	0.5	1	2	1	2	0					0	0		Med OS joint(7', 10'), LT MD at joints(19', 22', 25', 28')	None	2016	0145-0458			
Street	Hayes	SW3581	NN70-1-5	10.5	NN70-1-5NE	37	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0		Size reduction to 8'(36')	None	2016	0145-0458			
Street	Camden	SW3582	NN66-6B	11	NN66-6BN	28	12	VCP	0.5	0.5	1	2	3	6	0					0	0		Long Crack(2'), Mult Crack(17', 19', 21'), Size change to 10'(29'), Size change to 12'(27')	Dig Mainline	2016	0145-0458			
Street	Dale	SW3583	NN66-6A	10.5	NN66-6ANW	56	12	VCP	0.5	0.5	1	2	3	6	0					0	0		Mult Crack(10', 35'), Size reduction to 10'(54'), Size change to 12'(55')	Dig Mainline	2016	0145-0458			
Street	Dale	SW3584	NN66-6ANE	1.5	NN66-6ANNE	4	2	6	VCP	0.5	0.5	1	2	1	2	0				0	0		Survey abandoned(2')-turn in line	None	2016	0145-0458			
Street	Dale	SW3585	NN66-6A	10.5	NN66-6ANNE	49	12	VCP	0.5	0.5	1	2	2	4	0					0	0		Mult Cracks(6'-49'), Med Offset joint(45')	None	2016	0145-0458			
Street	Dale	SW3586	NN66-6A	10.5	NN66-6ANNW	57	12	RCP	0.5	0.5	1	2	1.5	3	0					0	0		Mult Crack(7'), Med OS joint(47', 49', 52')	None	2016	0145-0458			
Street	Grove	SW3587	NN66-6		NN66-6NE	51	12	VCP	0.5	0.5	1	2	2.8	5.6	0				0	0		Long Crack(9'), Mult Crack(12', 21', 24'), Size reduced to 8'(51')	None	2016	0145-0458				
Street	Grove	SW3588	NN66-6		NN66-6N	50	12	VCP	0.5	0.5	1	2	1.5	3	0				0	0		Long Crack(19'), Med OS joint(47')	None	2016	0145-0458				
Street	Grove	SW3589	NN66-6		NN66-6NW	39	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult Cracks(24', 33', 35'), Size reduces to 10'(36')	Dig Mainline	2016	0145-0458				
Street	Grove	SW3590	NN66-6		NN66-6W	38	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0		Mult and Long. Cracks T/O	None	2016	0145-0458				
Street	Dale	SW3591	NN66-7A	10.5	NN66-7AN	50	12	VCP	0.5	0.5	1	2	2.4	4.8	0				0	0		Mult Crack(12', 20', 26'), Long. Crack(19'), Lt MD at joints(0'-10'), Size reduction to 10'(28'), Size increase to 12'(36'), Med OS joint(42')	None	2016	0145-0458				
Street	Dale	SW3592	NN66-7A	10.5	NN66-7ANW	59	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult Cracks T/O, Lt MD at joint(42')	Dig Mainline	2016	0145-0458				
Street	Dale	SW3593	NN66-7A	10.5	NN66-7ASW	36	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult Cracks(6'-27', 34')	Dig Mainline	2016	0145-0458				
Street	Dale	SW3594	NN66-7A	10.5	NN66-7AS	27	12	VCP	0.5	0.5	1	2	1	2	0				0	0		Med OS joints(8'-27')	None	2016	0145-0458				
Street	Dale	SW3595	NN66-8ANW	5	BLIND TAP	38	12	VCP	0.5	0.5	1	2	1	2	0				0	0		Med OS joint(37')	None	2016	0145-0458				
Street	Dale	SW3596	NN66-8A	10	NN66-8AN	48	12	VCP	0.5	0.5	1	2	3	6	1				1	0		Mult Cracks T/O	Dig Mainline	2016	0145-0458				
Street	Grove	SW3597	NN66-9		NN66-9SW	38	12	RCP	0.5	0.5	1	2	1	2	0				0	0		No defects observed	None	2016	0145-0458				
Street	Grove	SW3598	NN66-9NW	4	NN66-9SW	27	12	RCP	0.5	0.5	1	2	1	2	0				0	0		No defects observed	None	2016	0145-0458				
Street	Hayes	SW3599	NN66-16	16	NN66-16A	52	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0		No defects observed	None	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Hayes	SW3600	NN70-1-7	8	NN70-1-7NW		37	12	RCP	0.5	1	1	2.5	2	5	0					0	0	Spiral Crack(11'), Size reduction to 8'(36')	None	2016	0145-0458		
Street	Hayes	SW3601	NN70-1-6NW	4	NN70-1-6N		37	12	RCP	0.5	1	1	2.5	2	5	0					0	0	Long. Crack(15'), Spiral Crack(22)	None	2016	0145-0458		
Street	Hayes	SW3602	NN70-1-6	9	NN70-1-6N		18	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	Size reduction to 8'(17)	None	2016	0145-0458		
Street	Hayes	SW3603	NN70-1-5	10.5	NN70-1-5N		45	12	RCP	0.5	1	1	2.5	2	5	0					0	0	Long. Crack(10', 34'), Size reduction to 8'(44')	None	2016	0145-0458		
Street	Hayes	SW3604	NN70-1-5	10.5	NN70-1-5S	10.5	18	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	Size reduction to 8'(16')	None	2016	0145-0458		
Street	Hayes	SW3605	NN70-1-5W	4	NN70-1-5S		40	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Hayes	SW3606	NN70-1-4N	4.5	NN70-1-4NW		48	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Hayes	SW3607	NN70-1-4	9	NN70-1-4N		44	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	Pipe size reduction to 8'(43')	None	2016	0145-0458		
Street	Hayes	SW3608	NN70-1-4	9	NN70-1-4W		52	12	RCP	0.5	1	1	2.5	2	5	0					0	0	Long. Crack(11', 23'), Brick in line(51'), Size reduction to 8'(51')	None	2016	0145-0458		
Street	Hayes	SW3609	NN70-1-1	12	NN70-1-1N		34	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	Size reduction to 8'(33')	None	2016	0145-0458		
Street	Hayes	SW3610	NN70-1N	5	NN70-1NW		39	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Hayes	SW3611	NN70-1N	5	NN70-1		39	12	RCP	0.5	1	1	2.5	2	5	0					0	0	Long. Crack(18', 32')	None	2016	0145-0458		
Street	9 Mile	SW3612	NN70-1W	3.5	NN70-1		76	12	RCP	0.5	1	1	2.5	2.3	5.75	0					0	0	Long. Crack(12', 17', 56'), Multi Crack(45'), Lt MD at joints(18', 36')	None	2016	0145-0458		
Street	Stephens	SW3613	NN66-15	16	NN66-15SW		41	10	CMP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Stephens	SW3614	NN66-15NW	6	NN66-15SW		37	10	CMP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Dale	SW3615	NN66-9ANE	4.5	BLIND TAP		40	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Mult Crack(8'-23'), Med OS joint(35', 38')	None	2016	0145-0458		
Street	Stephens	SW3616	NN66-13SW	6	NN66-13NW		36	10	CMP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Stephens	SW3617	NN66-13	19	NN66-13SE		35	10	CMP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Deerfield	SW3618	NN66-7C	8	NN66-7CNE		25	12	VCP	0.5	0.5	1	2	1	2	0					0	0	LT Roots at joints T/O	None	2016	0145-0458		
Street	Deerfield	SW3619	NN66-7C	8	NN66-7CE		3	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Charles R	SW3620	NN66-5B	9	NN66-5BW		13	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(9')	Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Charles R	SW3621	NN66-5B	9	NN66-5BN		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult crack(10', 15', 16', 20')	Dig Mainline	2016	0145-0458		
Street	North Park	SW3622	NN70-2-3	7.5	NN70-2-3SW		52	12	RCP	0.5	0.5	1	2	3.2	6.4	0					0	0	Mult Fracture(14'), Mult Crack(16', 42-52'), Long Fracture(19'), Lt Roots at joints T/O, Pipe size reduction to 3"(52")	Dig Mainline	2016	0145-0458		
Street	North Park	SW3623	NN70-2-3B	6.5	NN70-2-3BSE		50	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks(14'-50'), Pipe size reduction to 6"(50')	Dig Mainline	2016	0145-0458		
Street	Linwood	SW3624	NN70-2NW	4	NN70-2N		29	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Change to PVC(23')	None	2016	0145-0458		
STREET	9 MILE	SW3625	NN70-2	12.5	NN70-2NW		79.6	12	RCP	0.5	0.5	1	2	1	2						0		MATERIAL CHANGE @ 57' (VCP); ALIGNMENT RIGHT (30%) @ 57'	NONE	2016	0145-0458		
Street	Linwood	SW3626	NN70-2NE	4	NN70-2		20	12	RCP	0.5	1	1	2.5	3.3	8.25	0					0	0	Mult Crack(8'-14'), Broken(17'), Long. Crack(18')	Dig Mainline	2016	0145-0458		
Street	Dale	SW3627	NN66-5A	11.5	NN66-5ANE		23	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Survey abandoned(23')-broken pipe	Dig Mainline	2016	0145-0458		
Street	Dale	SW3628	NN66-5A	11.5	NN66-5AN		57	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Broken(23'), Long. Crack(32', 46', 49'), Mult Crack(34'-46', 50', 52'), Survey abandoned(57')-Collapsed	Sent collapse to city(5/23/17), Dig Mainline	2016	0145-0458		
Street	Dale	SW3629	NN66-5A	11.5	NN66-5ANW		24	12	VCP	0.5	0.5	1	2	3.5	7	0					0	0	Mult Crack(6'-24'), Long. Fracture(17'), Broken(23')	Dig Mainline	2016	0145-0458		
Street	Dale	SW3630	NN66-5A	11.5	NN66-5AW		51	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack T/O, Lt Roots at joints(39', 47'), Hyd Roots at joint(50'), Size reduction to 10"(50')	Dig Mainline	2016	0145-0458		
Street	Dale	SW3631	NN66-1-6	7	NN66-1-6NW		29	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(14', 19', 22', 23'), Alignment up(28')	Dig Mainline	2016	0145-0458		
Street	Dale	SW3632	NN66-1-6	7	NN66-1-6NE		13	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Dale	SW3634	NN66-1-5	8.5	NN66-1-5SW		41	12	RCP	0.5	0.5	1	2	1.3	2.6	1				1	0	Long. Crack(27'), Med OS joint(29', 32', 35'), Size reduction to 8"(40')	None	2016	0145-0458			
Street	Dale	SW3635	NN66-1-5	8.5	NN66-1-5E		8.5	18	RCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joints(8', 14', 18')	None	2016	0145-0458		
Street	Dale	SW3636	NN66-1-5SE	4	NN66-1-5		8.5	16	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joints(8', 8', 12', 16'), Survey abandoned(16')-Roots	None	2016	0145-0458		
Street	South Park	SW3637	NN66-1-3	12	NN66-1-3W		25	12	RCP	0.5	0.5	1	2	1.3	2.6	0				0	0	Long. Crack(11'), Med OS joint(14', 17'), Size reduction to 10"(24')	None	2016	0145-0458			
Street	South Park	SW3638	NN66-1-3E	4	NN66-1-3NE		3.5	38	12	VCP	0.5	0.5	1	2	1	2	0			0	0	Lt Roots at joints T/O, Survey abandoned(21')-Roots, Reverse Setup-Lt Roots at joints T/O, Survey abandoned(17')-Roots	None	2016	0145-0458			
Street	South Park	SW3639	NN66-1-3	12	NN66-1-3E		23	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(8', 14'), Lt MD at joint(11'), Size reduction to 4'(18')	None	2016	0145-0458			
Street	South Park	SW3640	NN66-1-3NE	3.5	NN66-1-3SE		9	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joint(8'), Survey abandoned(9')-Roots	None	2016	0145-0458			
Street	Dale	SW3641	NN66-1-2	12	NN66-1-2N		8	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joint(8')	None	2016	0145-0458			
STREET	9 MILE	SW3642	NN66-1-1	25	NN66-1-1W		51.2	12	VCP	0.5	1	1	2.5	2.5	6.25					0		MULTIPLE CRACKS @ 9'- MATERIAL CHANGE @ 30' (RCP), VCP TRAP @ CB	NONE	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Grove	SW3645	NN66-2		NN66-2W		15	10	VCP	0.5	0.5	1	2	2	4	0					0	0	Spiral Crack(10'), Alignment right(14')	None	2016	0145-0458		
Street	Grove	SW3646	NN66-2		NN66-2SE		11	10	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Stephens	SW3647	NN66-12	19.5	NN66-12SE	19.5	39	10	CMP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Stephens	SW3648	NN66-12SE	6	NN66-12E		35	10	CMP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Grove	SW3649	NN66-8		NN66-8NW		40	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(27', 29', 31'), Lt Roots at joints T/O	Dig Mainline	2016	0145-0458		
Street	Grove	SW3650	NN66-8		NN66-8N		51	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt MD at joints(7', 13', 15')	None	2016	0145-0458		
Street	Grove	SW3651	NN66-9N	4	NN66-9NNW		27	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Grove	SW3652	NN66-9		NN66-9N		94	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Grove	SW3653	NN66-8		NN66-8NE		48	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(8', 14'), Lt MD at joints(15'-27')	None	2016	0145-0458		
Street	Grove	SW3654	NN66-8		NN66-8SW		33	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. Crack(11', 20'), Mult Crack(13', 23')	None	2016	0145-0458		
Street	Grove	SW3655	NN66-7		NN66-7SW	5.5	25	12	VCP	0.5	0.5	1	2	5	10	0					0	0	Survey abandoned(24')-Collapse, Reverse-Survey abandoned(1')-Roots	Dig Mainline -sent to city	2016	0145-0458		
Street	Grove	SW3656	NN66-7		NN66-7NW		41	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(8'), Lt Roots at joints(31', 37'), Size reduces to 8'(39')	Dig Mainline	2016	0145-0458		
Street	Grove	SW3657	NN66-7		NN66-7NNW		46	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(16'), Lt Roots at joints T/O, Survey abandoned(46')-Bend in line	None	2016	0145-0458		
Street	Grove	SW3658	NN66-6NNW	6	BLIND TAP		1	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Survey abandoned(1')-Roots	None	2016	0145-0458		
Street	Grove	SW3659	NN66-5	24	NN66-5NW		40	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(16'-37'), Long Crack(38')	Dig Mainline	2016	0145-0458		
Street	Grove	SW3660	NN66-5	24	NN66-5SW		29	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Size reduction to 4"(29')	None	2016	0145-0458		
Street	Grove	SW3661	NN66-5	24	NN66-5S		31	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Grove	SW3662	NN66-5	24	NN66-5SE		34	10	RCP	0.5	0.5	1	2	2	4	1				1	0	Long. Crack(25')	None	2016	0145-0458			
Street	Grove	SW3663	NN66-5E	4.5	BLIND TAP		30	10	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Grove	SW3664	NN66-5	24	NN66-5N		47	12	VCP	0.5	0.5	1	2	2.2	4.4	1				1	0	Long. Cracks T/O, Mult Crack(38')	None	2016	0145-0458			
Street	North Park	SW3665	NN66-4NW	4.5	NN66-4NNW		27	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Med OS joints(19', 22', 24')	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	North Park	SW3666	NN66-4		NN66-4NW		140	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Hinge Crack(10'), Mult Cracks and Med OS joints T/O, Size reduction to 3"(140')	Dig Mainline(140'-142') FC/PP	2016	0145-0458		
Street	Grove	SW3668	NN66-3		NN66-3NE		51	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(28'), Lt Roots at joints(36'-51')	Dig Mainline	2016	0145-0458		
Street	Grove	SW3669	NN66-3		NN66-3N		52	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Med OS joint(6'), Hole(9'), Long. Crack(13'), Mult Crack(22'), Broken at repair(32')	Dig Mainline	2016	0145-0458		
Street	Grove	SW3670	NN66-3W	4.5	NN66-3NW		26	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Grove	SW3671	NN66-3	30	NN66-3W		39	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Survey abandoned(1')-Large OS	Dig Mainline	2016	0145-0458		
Street	Grove	SW3672	NN66-2-2	9	NN66-2-2NW		25	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Grove	SW3673	NN66-3SE	3	NN66-3		37	10	VCP	0.5	0.5	1	2	5	10	1					1	0	Large OS joint with soil visible(?) Med MD at joint(?) Lt Roots at joint(?)	Dig Mainline	2016	0145-0458		
Street	Grove	SW3675	NN66-10SW	4	NN66-10S		27	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Dale	SW3676	NN66-1-2NW	6	NN66-1-2	12	29	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joints T/O, Med OS joint(?)	None	2016	0145-0458		
STREET	STEPHENS	SW3677	NN66-10-2SW	6	NN66-10-2NW		34.9	12	CMP	0.5	1	1	2.5	1	2.5					0			NONE	NONE	2016	0145-0458		
STREET	STEPHENS	SW3678	NN66-10-2	18.5	NN66-10-2SW		41.7	12	CMP	0.5	1	1	2.5	1	2.5					0			PVC PIECE AT END OF LINE	NONE	2016	0145-0458		
STREET	STEPHENS	SW3679	NN66-10-3W	6	NN66-10-3NW		34.9	12	CMP	0.5	1	1	2.5	1	2.5					0			NO DEFECTS OBSERVED	NONE	2016	0145-0458		
STREET	STEPHENS	SW3680	NN66-10-3	17	NN66-10-3W		36	12	CMP	0.5	1	1	2.5	1	2.5					0			PVC TRAP AT CB	NONE	2016	0145-0458		
STREET	STEPHENS	SW3681	NN66-10-4	14.5	NN66-10-4NE		47.6	12	CMP	0.5	1	1	2.5	1	2.5					0			TRAP AT CB	NONE	2016	0145-0458		
STREET	STEPHENS	SW3682	NN66-10-4SW	6.5	NN66-10-4NW		34.9	12	CMP	0.5	1	1	2.5	1	2.5					0			NO DEFECTS OBSERVED	NONE	2016	0145-0458		
STREET	STEPHENS	SW3683	NN66-10-4	14.5	NN66-10-4SW		58.3	12	CMP	0.5	1	1	2.5	1	2.5					0			TRAP AT CB	NONE	2016	0145-0458		
STREET	DEERFIELD	SW3690	NN66-7-2		NN66-7-2N		22	12	VCP	0.5	0.5	1	2	2.3	4.6					0			LONG CRACKS @ 9'-11'. TRAP AT CB	NONE	2016	0145-0458		
STREET	EVERGREEN	SW3691	NN66-8-1		NN66-8-1S		7	12	VCP	0.5	0.5	1	2	3	6					0			MULT CRACKS @ 5'; DEPOSITS COMPACTED @ 5'; MATERIAL CHANGE TO RCP AT END OF LINE. LOOKS OFFSET	Dig Mainline	2016	0145-0458		
STREET	EVERGREEN	SW3692	NN66-8-1		NN66-8-1NE		22	12	VCP	0.5	0.5	1	2	3.7	7.4					0			CH4 @ 6'-7'-15'. MATERIAL SIZE CHANGE @ 6' (PVC, 8") CANNOT TELL IF THERE IS A TRAP DUE TO SIZE CHANGE	NONE	2016	0145-0458		
STREET	EVERGREEN	SW3693	NN66-8-2NW		NN66-8-2		50	12	VCP	0.5	0.5	1	2	2.7	5.4					0					2016	0145-0458		
STREET	EVERGREEN	SW3694	NN66-8-2		NN66-8-2W		42	12	VCP	0.5	0.5	1	2	2.5	5					0			MULT CRACKS THROUGHOUT. MATERIAL CHANGE @ 26' (RPM), 37' (PVC); CAMERA CANNOT PASS PVC SECTION	NONE	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
STREET	EVERGREEN	SW3695	NN66-8-2		NN66-8-2NE		55	12	VCP	0.5	0.5	1	2	2.6	5.2						0		MULT CRACKS THROUGHOUT; TAP ROOTS @ 9', 31', 35', 50'; HEAVY ROOTS @ 50'; TRAP AT CB	NONE	2016	0145-0458		
STREET	EVERGREEN	SW3696	NN66-8-2		NN66-8-2N		60	12	VCP	0.5	0.5	1	2	2.6	5.2						0		MULT CRACKS @ THROUGHOUT; LONG CRACKS @ 11'-1"; OFFSET JOINT WITH ALIGNMENT RIGHT (45%) @ 53'; CB 8' AHEAD, TRAP AT CB	NONE	2016	0145-0458		
STREET	SEMRAU	SW3697	NN66-9-1		NN66-9-1SW		9	12	VCP	0.5	0.5	1	2	3	6						0		MULT CRACKS; RESTRICTED/TRAPPED TO 4" AT CB	NONE	2016	0145-0458		
STREET	SEMRAU	SW3698	NN66-9-1SW		NN66-9-1NW		26	12	VCP	0.5	0.5	1	2	2.3	4.6						0		MULT CRACKS THROUGHOUT; ROOTS THROUGHOUT	NONE	2016	0145-0458		
STREET	NICOLAI	SW3699	NN66-9-1-1		NN66-9-1-NW		51	12	VCP	0.5	0.5	1	2	2.8	5.6						0		MULT CRACKS THROUGHOUT; MATERIAL CHANGE @ 43" (RCP); HEAVY ROOTS @ 44", CAMERA CANNOT PASS; CB VISIBLE. APPEARS TO BE A TRAP	NONE	2016	0145-0458		
STREET	NICOLAI	SW3700	NN66-9-1-1		NN66-9-1-SW		48	12	VCP	0.5	0.5	1	2	2.6	5.2						0		MULT CRACKS THROUGHOUT; MATERIAL CHANGE @ 40" (RCP); TRAP AT CB	NONE	2016	0145-0458		
STREET	NICOLAI	SW3701	NN66-9-1-3		NN66-9-1-3NE		22	12	RCP	0.5	0.5	1	2	1.8	3.6						0		LONG CRACK @ 8'-15"; MAT CHANGE @ 16" (PVC)	NONE	2016	0145-0458		
STREET	NICOLAI	SW3702	NN66-9-1-3		NN66-9-1-3S		6	12	RCP	0.5	0.5	1	2	3	6						0		TRAP AT CB, BACKING UP	VAC OUT CB, BACKING UP INTO TRAP	2016	0145-0458		
STREET	SEMRAU	SW3703	NN66-9-4		NN66-9-4SE		8	12	VCP	0.5	0.5	1	2	3	6						0		MULT CRACKS @ 6'; RESTRICTED TO 4" AT CB	NONE	2016	0145-0458		
STREET	SEMRAU	SW3704	NN66-9-4SE		NN66-9-4NE		28	12	VCP	0.5	0.5	1	2	2.6	5.2						0		MULT CRACKS THROUGHOUT; DEPOSITS SETTLED @ 15'	NONE	2016	0145-0458		
Street	Charles R	SW3706	NN66-5-2	18	NN66-5-2S		24	10	RCP	0.5	0.5	1	2	1	2	1				1	0	Med OS joint(6'), Lt Roots at joints(14'), Size reduces to 4"(24")	None	2016	0145-0458			
Street	Charles R	SW3707	NN66-5-2S	3.5	NN66-5-2SW		26	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joints T/O	None	2016	0145-0458			
Street	Charles R	SW3710	NN66-5-2NNE	4	NN66-5-2N		26	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joints T/O	None	2016	0145-0458			
Street	Charles R	SW3711	NN66-5-2	18	NN66-5-2NNE		37	10	RCP	0.5	0.5	1	2	3	6	1				1	0	Mult Crack(2'), Lt Roots at joints(26', 29')	Dig Mainline	2016	0145-0458			
Street	Grove	SW3713	NN66-7		NN66-7NNE		38	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(26', 28', 34'), Survey abandoned(38') - roots	Dig Mainline	2016	0145-0458			
Street	Grove	SW3714	NN66-7NE	5.5	BLIND TAP		17	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joints T/O, Survey abandoned(17')	None	2016	0145-0458			
Street	Grove	SW3715	NN66-7		NN66-7SE		105	12	VCP	0.5	0.5	1	2	2	4	1				1	0	Mult Crack (19'-28', 34'), Med OS joint(90'-105'), Lt Roots at joints T/O	None	2016	0145-0458			
Street	Grove	SW3716	NN66-6NE	5	NN66-6NNE		123	10	RCP	0.5	0.5	1	2	1	2	1				1	0	Med OS joint(11', 63')	None	2016	0145-0458			
Street	Grove	SW3717	NN66-4D	10.5	NN66-4DSE		62	10	VCP	0.5	0.5	1	2	3	6	1				1	0	Med OS joints T/O, Mult Crack(12'-15'20'), Lt Roots at joints(40', 61')	Dig Mainline	2016	0145-0458			
Street	Grove	SW3718	NN66-4DE	3	BLIND TAP		37	10	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long Crack(11'), Mult Crack(31'), Lt Roots at joints(23', 26', 29', 32')	None	2016	0145-0458			
Street	Grove	SW3720	NN66-2-2	9	NN66-2-2NE		6	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Grove	SW3721	NN66-10		NN66-10S		39	12	RCP	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458		
STREET	STEPHENS	SW3722	NN66-10-1	20	NN66-10-1SW		56	12		0.5	1	1	2.5	1	2.5						0					2016	0145-0458		
Street	North Park	SW3723	NN66-4-1	12.2	NN66-4-1SW		13	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joints(7', 9'-13')		None	2016	0145-0458		
Street	North Park	SW3724	NN66-4-1	12.5	NN66-4-1NW		23	24	VCP	0.8	0.5	1	2.3	1	2.3	0					0	0	Med OS joints(18', 20', 22'), Lt Roots at joints(6'-16')		None	2016	0145-0458		
Street	North Park	SW3726	NN66-4-2	9.5	NN66-4-2W		5	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Med Roots at joint(5')		None	2016	0145-0458		
STREET	STEPHENS	SW3729	NN66-10-2	18.5	NN66-10-2NNW		51.6	12		0.5	1	1	2.5	1	2.5						0					2016	0145-0458		
STREET	EVERGREEN	SW3730	NN66-8-2		NN66-8-2SW		33	12	RCP	0.5	0.5	1	2	2.5	5						0					2016	0145-0458		
STREET	EVERGREEN	SW3731	NN66-8-2S		Blind Tap		22	12	RCP	0.5	0.5	1	2	2	4						0					2016	0145-0458		
STREET	EVERGREEN	SW3733	NN66-8-3		NN66-8-3SE		91	12	RCP	0.5	0.5	1	2	1.5	3					0	LONG CRACK @ 33'; TAP FROM CB @ 75'; TRAP AT CB		NONE	2016	0145-0458				
STREET	DEERFIELD	SW3734	NN66-7-1ASW		NN66-7-1A		17	12	RCP	0.5	0.5	1	2	2.3	4.6					0	MULT CRACKS @ 5', 9'. TRAP AT CB		NONE	2016	0145-0458				
STREET	DEERFIELD	SW3735	NN66-7-1A		NN66-7-1ANW		23	12	VCP	0.5	0.5	1	2	2.1	4.2					0	MULT CRACKS THROUGHOUT. TRAP AT CB		NONE	2016	0145-0458				
STREET	DEERFIELD	SW3736	NN66-7-1A		NN66-7-1ANNW		44	12	VCP	0.5	0.5	1	2	2.2	4.4					0	LONG CRACKS @ 13', 24', 30'; MULT CRACKS @ 21'; ROOTS THROUGHOUT; TAP FROM CB (MANE) @ 19' TRAP AT CB		NONE	2016	0145-0458				
STREET	DEERFIELD	SW3740	NN66-7-3		NN66-7-3WSW		135	12	VCP	0.5	0.5	1	2	1.9	3.8					0	SPIRAL CRACKS @ 7', 16'; LONG CRACK @ 34'; MULT CRACKS @ 43'; TF @ 107(13). TRAP AT CB		NONE	2016	0145-0458				
Street	Charles R	SW3741	NN66-5-1	19	NN66-5-1NW		17	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Mult Crack(10'), Med OS joint(15'), Lt Roots at joint(15')		None	2016	0145-0458			
Street	Charles R	SW3742	NN66-5-1	19	NN66-5-1SW		12	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joints(12')		None	2016	0145-0458			
Street	North Park	SW3743	NN66-4-2	9.5	NN66-4-2N		23	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(22')		None	2016	0145-0458			
Street	Nicolai	SW3747	NN54-5-4	4.2	NN54-5-4W		17	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Spiral Crack(6'), Mult. Crack(7'), Med OS joint(10'), Long. Crack(15'), Lt Roots at joints(10', 13', 15')		None	2016	0145-0458			
Street	Nicolai	SW3748	NN54-5-4		NN54-5-4NW		29	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Long. Crack(7', 13', 19'). Mult crack(9', 15'), Lt Roots at joint(21')		None	2016	0145-0458			
Street	Nicolai	SW3749	NN54-5-2		NN54-5-2N		36	12	VCP	0.5	0.5	1	2	2.1	4.2	0				0	0	Long. Cracks(10'), Mult Crack(10', 12', 22')		None	2016	0145-0458			
Street	Nicolai	SW3750	NN54-5-2	4.2	NN54-5-2W		28	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Mult Crack(6', 12', 17'), Long. Crack(6', 9'), Hinge Fracture(10')		None	2016	0145-0458			
Street	Hofer	SW3751	NN54-6-3	8	NN54-6-3NE		44	12	VCP	0.5	0.5	1	2	3.3	6.6	0				0	0	Hinge Fractures(6'-16', 18'-27'), Mult Crack(33', 39'), Pipe reduces to 4'(41')	Dig Mainline	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Semrau	SW3752	NN54-6-2-1	6.8	NN54-6-2-1W		23	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Mult Crack T/O, Spiral Crack(15', 17'), Long Crack(16'), Lt MD at joints T/O		None	2016	0145-0458		
Street	Semrau	SW3753	NN54-6-2-1	6.8	NN54-6-2-1N		32	12	VCP	0.5	0.5	1	2	1.7	3.4	0					0	0	Med OS joint(7'), Long Crack(14'), Lt MD at joints T/O		None	2016	0145-0458		
Street	Owen	SW3754	NN54-6-4		NN54-6-4W		50	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Pipe reduces to 4"(48')	Dig Mainline	2016	0145-0458			
Street	Hofer	SW3755	NN54-6-4W	3	NN54-6-4NW		29	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Mult Cracks T/O, Med OS joint(8', 29'), Lt MD at joints(6', 16', 21')		None	2016	0145-0458		
Street	Hofer	SW3756	NN54-6-3S		NN54-6-3SE		18	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(5', 8'), Hinge Fracture(5'), Spiral Fracture(12')	Dig Mainline	2016	0145-0458			
Street	Hofer	SW3757	NN54-6-3SW		NN54-6-3SE		101	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long Crack(10', 22', 71'), Mult Crack(15', 31', 43', 50', 101'), Lt MD at joints(7', 38'), Pipe reduces to 4"(100')	FCJPP	2016	0145-0458			
Street	Hofer	SW3758	NN54-6-1	6.8	NN54-6-1SE		43	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Mult Crack T/O, Lt MD at joints(14', 17', 26'), Long Crack(39'), Lt MD at joints T/O, Pipe reduces to 4"(40')		None	2016	0145-0458		
Street	Hofer	SW3759	NN54-4-1		NN54-4-1NE		42	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Lt MD at joints(6', 22'), Size reduction to 4"(39')	Dig Mainline	2016	0145-0458			
Street	Hofer	SW3760	NN54-4-1N		NN54-4-1NE		19	12	PVC	0.5	0.5	1	2	1	2	0					0	0	Lt MD at joints(10', 19')		None	2016	0145-0458		
STREET	9 MILE	SW3761	NN59-1E	4	NN59-1A		59.4	12	VCP	0.5	1	1	2.5	3	7.5					0		HINGE FRACTURING (3) @ 30'-33', MULTIPLE FRACTURES @ 45'	Dig Mainline	2016	0145-0458				
Street	Liscomb	SW3762	NN58-3	4	NN58-3E		9	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long Crack(7'), Lt Roots at joint(7'), Bend in line(8')		None	2016	0145-0458		
Street	Liscomb	SW3763	NN58-3	4	NN58-3W		24	12	VCP	0.5	0.5	1	2	3.8	7.6	0					0	0	Hinge Crack(5'-9'), Hinge Fracture(13'), Med Roots at joints(19', 21', 23')	Dig Mainline	2016	0145-0458			
Street	Liscomb	SW3764	NN58-4	5.2	NN58-4W		28	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Med OS joint(17'), Long Crack(18', 22', 23')		None	2016	0145-0458		
Street	Liscomb	SW3765	NN58-7	4.8	NN58-7NE		8	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(7')	Dig Mainline	2016	0145-0458			
Street	Liscomb	SW3766	NN58-7	5	NN58-7NW		26	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long Crack(24'), Long Fracture(24')		None	2016	0145-0458		
Street	Evergreen	SW3767	NN54-4-5		NN54-4-5W		29	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Mult Crack(5', 9', 12'), Long Crack(8', 11', 14')		None	2016	0145-0458		
Street	Evergreen	SW3768	NN54-4-5	4.5	NN54-4-5NW		72	12	RCP	0.5	0.5	1	2	2.5	5	0					0	0	Lt H2S damage T/O, Long Crack(8', 44'), Lt MD at joints(8', 11', 14', 17')		None	2016	0145-0458		
Street	Evergreen	SW3769	NN54-4-3	4.6	NN54-4-3NW		48	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult and Long. Cracks T/O		None	2016	0145-0458		
Street	Evergreen	SW3770	NN54-4-3	4.5	NN54-4-3W		42	12	VCP	0.5	0.5	1	2	2.1	4.2	0					0	0	Long. Cracks T/O, Lt MD at joints(14', 16', 20'), Mult Crack(28')		None	2016	0145-0458		
Street	Aurora	SW3773	NN56-6NE	3	NN56-6E		29	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed		None	2016	0145-0458		
Street	Aurora	SW3774	NN56-6	5	NN56-6E		33	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Backflow preventer(32')		None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Aurora	SW3775	NN56-5	5.2	NN56-5NW		26	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Aurora	SW3776	NN56-5	5.2	NN56-5W		54	12	PVC	0.5	0.5	1	2	1	2	0				0	0	Med Angular joint(8')	None	2016	0145-0458			
Street	Hofer	SW3777	NN54-4-2		NN54-4-2N		63	12	RCP	0.5	0.5	1	2	1.8	3.6	0				0	0	Long Crack(22'), Lt H2S damage T/O, Backflow preventer(61')	None	2016	0145-0458			
Street	Hofer	SW3778	NN54-4-2W		NN54-4-2NW		26	12	RCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Rebar visible(6', 15')	None	2016	0145-0458			
Street	Nicolai	SW3779	NN54-5-1		NN54-5-1N		40	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Rebar projecting(11', 19'), Backflow preventer(38')	None	2016	0145-0458			
Street	Nicolai	SW3780	NN54-5-1W		NN54-5-1NW		28	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Nicolai	SW3781	NN54-5-1W		NN54-5-1		17	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Hofer	SW3782	NN54-6-3	5	NN54-6-3SW		30	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Rebar visible(20'), Backflow preventer(30')	None	2016	0145-0458			
Street	Semrau	SW3783	NN54-6-3W		NN54-6-3NW		28	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Settled deposits(7'), Surface roughness increased(21')	None	2016	0145-0458			
Street	Hofer	SW3784	NN54-6-3	5	NN54-6-3W		47	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Backflow preventer(45')	None	2016	0145-0458			
Street	Semrau	SW3785	NN54-6-2	4.5	NN54-6-2E		20	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Backflow preventer(19')	None	2016	0145-0458			
Street	Semrau	SW3786	NN54-6-2W	3	NN54-6-2NW		38	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Rebar visible in locations T/O, Lt MD at joints T/O	None	2016	0145-0458			
Street	Semrau	SW3787	NN54-6-2	3	NN54-6-2W		23	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Rebar visible(12'), Backflow preventer(21')	None	2016	0145-0458			
STREET	EVERGREEN	SW3789	NN66-8-4		NN66-8-4SE		6	12	RCP	0.5	0.5	1	2	2	4					0	0	LONG CRACK @ 2'; VCP ELBOW INTO CB @ 2'	NONE	2016	0145-0458			
STREET	NICOLAI	SW3790	NN66-9-1-4		NN66-9-1-4NW		24	12	RCP	0.5	0.5	1	2	2	4					0	0	LONG CRACK @ 9'; TRAP AT CB	NONE	2016	0145-0458			
STREET	NICOLAI	SW3791	NN66-9-1-4		NN66-9-1-4SW		12	12	RCP	0.5	0.5	1	2	1	2					0	0	TRAP AT CB	NONE	2016	0145-0458			
STREET	NICOLAI	SW3793	NN66-5-9		NN66-5-9NW		22	12	VCP	0.5	0.5	1	2	3	6					0	0	MULTIPLE CRACKS @ 7'; MATERIAL CHANGE @ 15' (ROP); APPEARS TO BE TRAP AT CB	NONE	2016	0145-0458			
STREET	SEMRAU	SW3794	NN66-9-5SE		NN66-9-5		9	12	VCP	0.5	0.5	1	2	1	2					0	0	CIRCUMFERENTIAL CRACK@ 6'	NONE	2016	0145-0458			
STREET	SEMRAU	SW3795	NN66-9-5SE		NN66-9-5NE		30	12	VCP	0.5	0.5	1	2	2.4	4.8					0	0	MULT CRACKS THROUGHOUT	NONE	2016	0145-0458			
Street	Aurora	SW3799	NN56-5	5.2	NN56-5SE		17	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Pleasant	SW3800	NN56-3S	3	NN56-3W		29	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(8'-20'), Med OS joint(22'), Surface wall missing(28'), Lt Roots at joint(6'), Lt MD at joint(25')	Dig Mainline	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Hofer	SW3801	NN54-6-3	12.4	NN54-6-3E		138	12	VCP	0.5	0.5	1	2	2	4	1			1		2	0	Med OS joints, Long. Cracks and Mult Cracks T/O, Pipe reduces to 4"(137")	None	2016	0145-0458		
Street	Semrau	SW3802	NN54-6-2	4.5	NN54-6-2N		64	12	RCP	0.5	0.5	1	2	1.7	3.4	0					0	0	Lt MD at joints(10', 59'), Rebar visible(12')	None	2016	0145-0458		
STREET	9 MILE	SW3804	N56	4	N56NW		51.9	12	RCP	0.5	1	1	2.5	2	5						0	0	SPRAL CRACK @ 12'; LARGE OFFSET JOINTS A @ 28', 31'; MATERIAL CHANGES @ 25' (VCP), 31' (RCP)	NONE	2016	0145-0458		
Street	Pleasant	SW3806	NN56-2N	2.8	NN56-2NW		30	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(5'-30'), Broken(29'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Pleasant	SW3807	NN56-2		NN56-2N		13	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
STREET	EVERGREEN	SW3810	NN66-8-4		NN66-8-4NE		25	12	VCP	0.5	0.5	1	2	2	4						0	0	LONG CRACK @ 15'; 1 RCP SECTION JUST BEFORE TRAP AT CB	NONE	2016	0145-0458		
STREET	DEERFIELD	SW3811	NN66-7-3		NN66-7-3NE		23	12	VCP	0.5	0.5	1	2	2	4						0	0	LONG CRACK @ 17'; TRAP AT CB	NONE	2016	0145-0458		
STREET	STEPHENS	SW3818	NN42-6-A1	9.5	NN42-6-A1WSW		22.3	12	RCP	0.5	1	1	2.5	1	2.5						0	0	OFFSET JOINTS @ 8', 16'	NONE	2016	0145-0458		
STREET	STEPHENS	SW3819	NN42-6-1	9	NN42-6-1NW		59	12	RCP	0.5	1	1	2.5	1	2.5						0	0	NO CALLOUTS MADE/NO VIDEO REVIEWED	NONE	2016	0145-0458		
STREET	STEPHENS	SW3822	NN42-6-2	8.5	NN42-6-2NW	5.5		12	RCP	0.5	1	1	2.5	1	2.5						0	0	MSA @ 15' DUE TO BULKHEAD. REVERSAL DONE ON SW4025, GIS HAS SEPARATED IT INTO TWO DIFFERENT LINES	NONE	2016	0145-0458		
STREET	STEPHENS	SW3823	NN42-6-2ASE	5.5	NN42-6-2ASW		26.8	12	RCP	0.5	1	1	2.5	1	2.5						0	0	OFFSET JOINT @ 17'	NONE	2016	0145-0458		
Street	Cushing	SW3825	NN42-4SW		NN42-4		29	10	RCP	0.5	0.5	1	2	3	6						0	0		Dig Mainline	2016	0145-0458		
Street	Melrose	SW3826	NN54-4W	3.2	NN54-4NW		27	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Mult. Crack(10', 19'), Long. Crack(25'), Lt MD at joints(7', 8', 13')	None	2016	0145-0458		
Street	Melrose	SW3827	NN54-4	4.3	NN54-4W		45	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Mult Crack(7', 11', 12', 20', 26', 30', 36'), Long. Crack(10', 15', 33', 34'), Hinge Fracture(26', 28'), Size reduction to 4"(43")	None	2016	0145-0458		
Street	Melrose	SW3828	NN54-4	4	NN54-4NNW		52	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(5', 9', 24', 26', 30'), Mult Crack(7', 11', 15', 16'-29', 31', 33'-52'), Hinge Fracture(37', 41')	Dig Mainline	2016	0145-0458		
Street	Melrose	SW3829	NN54-4	4	NN54-4N		45	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Melrose	SW3830	NN54-4	3.2	NN54-4NE		47	12	VCP	0.5	0.5	1	2	1	2	1				1	0	Lt MD at joints(18', 21', 24')	None	2016	0145-0458			
Street	Shakespeare	SW3831	NN51-5	4.5	NN51-5W		30	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. And Mult. Cracks T/O, Size reduction to 4"(26")	None	2016	0145-0458		
Street	Shakespeare	SW3832	NN51-4N	3	NN51-4NNW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(13', 14'), Long. Fracture(13'), Mult Crack(19', 22', 25'), Lt Roots at joints(8', 12')	Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW3833	NN51-4SW	2.7	NN51-4NW		28	12	VCP	0.5	0.5	1	2	1.8	3.6	0					0	0	Med OS joint(9'), Spiral Crack(18'), Long. Crack(24'), Lt MD at joints(18', 21', 25')	None	2016	0145-0458		
Street	Shakespeare	SW3834	NN51-4	5.4	NN51-4SW		53	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult crack(5', 18', 43', 49'), Long. Cracks T/O, Lt MD at select joints T/O, Pipe reduction to 4"(15")	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Shakespeare	SW3835	NN51-4N		NN51-4		49	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(7', 19', 24'), Mult Crack(8', 15', 23', 26'-49'), Long. Fracture(45'), Lt Roots at joints(8', 10', 13')	Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW3836	NN51-4	5.2	NN51-4E		24	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks(5', 8', 13', 16'), Size reduction to 4"(23')	Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW3837	NN51-4E	3.5	NN51-4NE		27	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Mult Crack(16', 21'), Long. Crack(25'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Shakespeare	SW3838	NN51-4		NN51-4S		20	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Med OS joint(8', 11'), Mult Crack(8', 12', 14'), Large OS joint(16'), Size reduction to 4"(19')	None	2016	0145-0458		
Street	Shakespeare	SW3839	NN51-4S		NN51-4SSW		29	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Spiral fracture(7'), Long. Crack(15'), Lt MD at joints(7', 10', 13', 17', 23')	Dig Mainline	2016	0145-0458		
Street	Piper	SW3840	NN49-5	6.2	NN49-5NW		35	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O	Dig Mainline	2016	0145-0458		
Street	Piper	SW3841	NN49-5	6.2	NN49-5N		22	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(7', 10', 27'), Lt Roots at joint(10'), Mult Crack(17')	None	2016	0145-0458		
Street	Piper	SW3842	NN49-4	5.2	NN49-4NNW		58	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Spiral Crack(7', 36'), Long. Crack(25', 32', 34', 36', 44'), Mult Crack(52'), Defective patch(52')	Dig Mainline	2016	0145-0458		
Street	Piper	SW3843	NN49-4W	4	NN49-4NW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(6', 18', 22', 24'), Spiral Crack(27'), Lt MD at joints(6', 9', 14', 21')	Dig Mainline	2016	0145-0458		
Street	Piper	SW3844	NN49-4	5	NN49-4W		52	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult. Crack(15', 16', 20', 23'), Lt MD at joints(6', 22', 28'), Size reduction to 4"(16')	Dig Mainline	2016	0145-0458		
Street	Piper	SW3845	NN49-4A		NN49-4AS		19	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Rock(5'), Wall Missing(7'), Spiral Fracture(9'), Mult Crack(12', 16'), Pipe size reduces to 4"(18')	Dig Mainline	2016	0145-0458		
Street	Piper	SW3846	NN49-4	5.2	NN49-4E		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(6', 20'), Mult Crack(8', 10', 12', 23'), Size reduction to 4"(26')	Dig Mainline	2016	0145-0458		
Street	Piper	SW3847	NN49-4NE		NN49-4E		28	12	VCP	0.5	0.5	1	2	3.2	6.4	0					0	0	Mult Crack(5', 9', 15', 22'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Rein	SW3848	NN47-4SW		NN47-4NW		29	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Mult Crack(19'), Med Angular Joint(25')	None	2016	0145-0458		
Street	Rein	SW3849	NN47-4	5	NN47-4SW		54	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(12', 25', 27', 29', 31'), Mult Crack(44'), Sag(29', 43'), Size reduction to 4"(52')	Dig Mainline	2016	0145-0458		
Street	Rein	SW3850	NN47-5A	6	NN47-5AS		20	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Med OS Joint(7')	None	2016	0145-0458		
Street	Rein	SW3851	NN47-5A	6.6	NN47-5ASW		32	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Med OS joints(2', 6', 11', 16', 29'), Hole with void visible(30')	Dig Mainline	2016	0145-0458		
Street	Rein	SW3852	NN47-4		NN47-4SE		27	12	VCP	0.5	0.5	1	2	3	6	1				1	0	Mult Crack(7'), Lt MD(20'), Lt Roots(24'), Size reduction to 4"(25')	Dig Mainline	2016	0145-0458			
Street	Rein	SW3853	NN47-4SE		NN47-4NE		27	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long. Crack(12'), Mult Crack(22')	None	2016	0145-0458			
Street	Rein	SW3854	NN47-4AW		NN47-4A		27	12	VCP	0.5	0.5	1	2	1.5	3	0				0	0	Spiral Crack(7'), Med Os joint(19', 24'), Long. Crack(23'), Lt MD at joint(12')	None	2016	0145-0458			
Street	Rein	SW3855	NN47-4A	5.8	NN47-4AS		21	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Hole(8')	Dig Mainline	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Rein	SW3856	NN47-5	5.6	NN47-5N		9	12	VCP	0.5	0.5	1	2	1.5	3	0					0	0	Long. Crack(8'), Med OS joint(8')	None	2016	0145-0458		
Street	Rein	SW3857	NN47-5	5.4	NN47-5NW		27	12	VCP	0.5	0.5	1	2	1.6	3.2	0					0	0	Med OS joints(5'-23'), Long. Crack(9', 17', 25'), Lt MD at joints(5'-13', 14')	None	2016	0145-0458		
Street	Cushing	SW3858	NN44-4		NN44-4SW		52	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Cushing	SW3859	NN44-4SW		NN44-4NW		27	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
STREET	Cushing	SW3860	NN44-5ANW		NN44-5AN		28	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
STREET	Cushing	SW3861	NN44-6W		NN44-6SW		28	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
STREET	Cushing	SW3862	NN44-6SW		NN44-6		50	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
STREET	Cushing	SW3863	NN44-6NW		NN44-6N		29	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Cushing	SW3864	NN42-3SE		NN42-3		12	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Rein	SW3865	NN47-6W		NN47-6NW		27	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints T/O, Lt Roots at joints(11'-23')	None	2016	0145-0458			
Street	Rein	SW3866	NN47-6	5.6	NN47-6W		50	12	VCP	0.5	0.5	1	2	3	6	1				1	0	Med OS joints T/O, Mult. Cracks(8', 26', 43'), Hole with void(35'), Lt Roots at joints(20', 26'-37', 38'), Size reduction to 4"(48")	Dig Mainline	2016	0145-0458			
Street	Rein	SW3867	NN47-6E	3.6	NN47-6NE		27	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints T/O, Lt Roots(17'), Med Roots(23')	None	2016	0145-0458			
Street	Rein	SW3868	NN47-6	5.6	NN47-6E		24	12	VCP	0.5	0.5	1	2	3.5	7	0				0	0	Hinge Fracture(6"-12'), Long. Crack(13', 16', 21'), Size Reduction to 4"(21")	Dig Mainline	2016	0145-0458			
Street	Rein	SW3869	NN47-6	5.4	NN47-6NNW		57	12	VCP	0.5	0.5	1	2	3	6	0	0	0	0	0	0	Med OS joints T/O, Long. Cracks T/O, Mult. Crack(29', 44', 45', 47', 49', 55'), Hinge Fracture(47")	Dig Mainline	2016	0145-0458			
Street	Rein	SW3870	NN47-6		NN47-6N		49	12	VCP	0.5	0.5	1	2	3.8	7.6	0				0	0	Long. Crack(9', 10', 12', 42', 44'), Hinge Fracture(17'-38'), Deformed(19', 29', 33'), Lt Roots at sealed joints T/O	Dig Mainline	2016	0145-0458			
Street	Piper	SW3871	NN49-6E	3	NN49-6NE		28	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Med OS joints(12', 16', 21'), Mult Crack(16', 20', 25'), Lt MD at joints(10', 18', 24')	None	2016	0145-0458			
Street	Piper	SW3872	NN49-6	6.2	NN49-6E		26	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(5', 14', 18', 21'), Size reduction to 4"(24")	Dig Mainline	2016	0145-0458			
Street	Piper	SW3873	NN49-6W		NN49-6NW		28	12	VCP	0.5	0.5	1	2	1.9	3.8	0				0	0	Long. Crack(8', 13'), Med OS joint(8', 11', 17', 23'), Mult Crack(16', 21', 25')	None	2016	0145-0458			
Street	Piper	SW3874	NN49-6	5.8	NN49-6W		56	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult and Long. Cracks T/O, Size reduction to 4"(54")	Dig Mainline	2016	0145-0458			
Street	Piper	SW3875	NN49-6ANE	4	NN49-6ANW		28	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult and Long. Cracks T/O, Lt MD at joints(9', 21')	Dig Mainline	2016	0145-0458			
Street	Piper	SW3876	NN49-6A	5.7	NN49-6ANE		14	12	VCP	0.5	0.5	1	2	1.8	3.6	0				0	0	Long. Cracks(8', 9', 12'), Size reduction to 4"(13")	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehabi/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Piper	SW3877	NN49-7	6.2	NN49-7SW		63	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult and Long. Cracks T/O	Dig Mainline	2016	0145-0458			
Street	Piper	SW3878	NN49-7	6.2	NN49-7SE		57	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Long. And Mult. Cracks T/O, Size reduction to 4"(55")	Dig Mainline	2016	0145-0458			
Street	Rein	SW3879	NN47-7		NN47-7NW		32	12	VCP	0.5	0.5	1	2	3.8	7.6	0				0	0	Long. Crack(7'), Mult Crack(13'), Hole(24'), Hinge Fracture(24'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458			
Street	Hofer	SW3882	NN54-6-3E		NN54-6-3NE		27	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Mult Crack T/O, Lt Roots at joints T/O	None	2016	0145-0458			
Street	Shakespeare	SW3884	NN51-6	5.4	NN51-6N		50	12	VCP	0.5	0.5	1	2	1.9	3.8	0				0	0	Long. Crack(6', 31'), Hinge Fracture(8'), Med OS joint(10', 12', 27', 36'), Size reduction to 4"(48")	None	2016	0145-0458			
Street	Shakespeare	SW3885	NN51-6	5.2	NN51-6SE		26	12	VCP	0.5	0.5	1	2	2.2	4.4	0				0	0	Mult Crack(14', 21'), Long. Crack(18'), Size reduction to 4"(24")	None	2016	0145-0458			
Street	Shakespeare	SW3886	NN51-6SE		NN51-6NE		28	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(15'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Shakespeare	SW3887	NN51-6		NN51-6S		30	12	VCP	0.5	0.5	1	2	2.1	4.2	0				0	0	Long. Crack(6', 14', 16', 18', 24'), Multi. Crack(16'), Large joint(16'), joint(s) abandoned/Offset joint - no reverse due to reduced at upstream min	None	2016	0145-0458			
Street	Shakespeare	SW3888	NN51-6S		NN51-6W		27	12	VCP	0.5	0.5	1	2	2.8	5.6	0				0	0	Mult Crack(5', 7'-17'), Long. Crack(23'), Spiral Fracture(26')	None	2016	0145-0458			
Street	Melrose	SW3889	NN54-6SW	3	BLIND TAP		30	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Mult Crack(5', 10', 13', 19'), Long. Crack(6', 15', 21', 25'), Lt Roots at joints(6', 22', 25')	None	2016	0145-0458			
Street	Melrose	SW3890	NN54-6	4.6	NN54-6S		30	12	VCP	0.5	0.5	1	2	2	4	1				1	0	Med OS joint(11'), Long. Crack(15', 17'), Mult Crack(17'), Pipe reduces to 10'(24')	None	2016	0145-0458			
Street	Melrose	SW3891	NN54-6	4.5	NN54-6W		46	12	RCP	0.5	0.5	1	2	3	6	0				0	0	LH2S damage T/O, Spiral Fracture(8'), Lt MD at joints(9', 16')	Dig Mainline	2016	0145-0458			
Street	Melrose	SW3892	NN54-6	7.2	NN54-6NW		56	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(13', 21', 38', 40', 50'), Long. Fracture(24', 38', 43', 45', 46', 50'), Hole(47')	Dig Mainline	2016	0145-0458			
Street	Melrose	SW3893	NN54-6	6.8	NN54-6NNW		52	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Long. Crack(11', 14', 16', 18', 28', 37', 43'), Hinge Fracture(39', 43'), Mult Crack(45')	Dig Mainline	2016	0145-0458			
Street	Melrose	SW3894	NN54-6	7.1	NN54-6N		47	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Hinge Fracture(6', 8'-18'), Med OS joint(24'-47'), Mult Crack(38', 40')	Dig Mainline	2016	0145-0458			
Street	Melrose	SW3895	NN54-6	7.6	NN54-6SE		29	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long. Crack(7', 12'), Mult crack(8', 10', 14'), Lt MD at joint(19'). Pipe reduces to 4"(27")	None	2016	0145-0458			
Street	Melrose	SW3896	NN54-5	5	NN54-5NW		37	12	VCP	0.5	0.5	1	2	3.6	7.2	0				0	0	Mult Crack(6', 12', 20'), Long. Crack(9', 10'-37'), Hinge Fracture(14'-18'), Pipe reduces to 10'(32')	Dig Mainline	2016	0145-0458			
Street	Melrose	SW3897	NN54-5	5.2	NN54-5N		27	12	VCP	0.5	0.5	1	2	2.4	4.8	0				0	0	Mult Crack(6', 24'), Long. Crack(10', 12', 19', 19'), Lt MD at joints(6', 10'), Lt Roots at joint(14')	None	2016	0145-0458			
Street	Melrose	SW3898	NN54-3N		NN54-3		15	12	VCP	0.5	0.5	1	2	5	10				0	0	Collapse, No video	Dig Mainline	2016	0145-0458				
Street	Rein	SW3903	NN47-2SW		BLIND TAP		40	12	VCP	0.5	0.5	1	2	1.2	2.4	0				0	0	Med OS joint(6', 20', 32', 35'), Long. Crack(25')	None	2016	0145-0458			
Street	Piper	SW3905	NN49-3NE	3.2	NN49-3NW		28	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Mult Crack(6', 21'), Long. Crack(14', 16'), Lt MD at joints(6', 7', 12', 16'), Bend in line(25')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Piper	SW3906	NN49-3	5	NN49-3NE		9	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Defective reducer(9")	Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW3907	NN51-3		NN51-3SW		26	12	VCP	0.5	0.5	1	2	1.5	3	0					0	0	Med OS joints T/O, Long Crack(9", 17"), Bend in line(24")	None	2016	0145-0458		
Street	Rein	SW3909	NN47-8		NN47-8SE		88	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Broken(16"), Mult Crack and Long. Cracks T/O	FCI/PP	2016	0145-0458		
Street	Cushing	SW3910	NN44-7NW		NN44-7N		29	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Meirose	SW3911	NN54-6SE	3.4	NN54-6NE		27	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt MD and Lt Roots at joints T/O	None	2016	0145-0458		
STREET	SHAKESPEARE	SW3912	NN51-1	15	NN51-1E		9.9	12	VCP	0.5	0.5	1	2	1	2						0	OFFSET JOINT @ 9', RESTRICTED WITH VCP TRAP AT EOL	NONE	2016	0145-0458			
STREET	STEPHENS	SW3913	NN42-6-3	8.5	NN42-6-3W		48.6	12	RCP	0.5	1	1	2.5	1	2.5						0		OFFSET JOINT @ 33"	NONE	2016	0145-0458		
Street	Beechwood	SW3914	NN75-2NW		NN75-2		30	12	VCP	0.5	0.5	1	2	2.5	5						0			Dig Mainline	2016	0145-0458		
Street	Beechwood	SW3915	NN75-4NW		NN75-4		28	12	VCP	0.5	0.5	1	2	3	6						0			Dig Mainline	2016	0145-0458		
Street	Beechwood	SW3916	NN75-5W		NN75-5		28	12	PVC	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Beechwood	SW3917	NN75-6NW		NN75-6		27	12	VCP	0.5	0.5	1	2	2.5	5						0			Dig Mainline	2016	0145-0458		
Street	Beechwood	SW3918	NN75-7N		NN75-7		13	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Beechwood	SW3919	NN75-7		NN75-7NW		29	12	VCP	0.5	0.5	1	2	2.8	5.6						0			Dig Mainline	2016	0145-0458		
Street	Firwood	SW3920	NN73-8		NN73-8N		12	12	VCP	0.5	0.5	1	2	3	6						0			Dig Mainline	2016	0145-0458		
Street	Firwood	SW3921	NN73-7N		NN73-7		14	12	VCP	0.5	0.5	1	2	4	8						0			Dig Mainline	2016	0145-0458		
Street	Firwood	SW3922	NN73-7		NN73-7W		28	12	VCP	0.5	0.5	1	2	2.2	4.4						0			None	2016	0145-0458		
Street		SW3923	NN73-6W		NN73-6		25	12	VCP	0.5	0.5	1	2	2.5	5						0			None	2016	0145-0458		
Street	Firwood	SW3924	NN73-5NW		NN73-5		47	12	VCP	0.5	0.5	1	2	2.5	5						0			Dig Mainline	2016	0145-0458		
Street	Firwood	SW3925	NN73-4NW		NN73-4		29	12	VCP	0.5	0.5	1	2	2	4						0			None	2016	0145-0458		
STREET		SW3927	NN73-2N		NN73-2		39	12	VCP	0.5	0.5	1	2	5	10						0	Collapse (1")	Dig Mainline	2016	0145-0458			
STREET	9 MILE	SW3928	NN73-1NW	5.5	NN73-1		35.1	12	RCP	0.5	1	1	2.5	5	12.5						0	MAT CHANGE @ 7' (VCP); PIPE COMPLETELY SEPARATED FROM REST OF LINE @ 35' MSA DUE TO PIPE SEPARATION. NO REVERSAL	Dig Mainline	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
STREET	9 MILE	SW3929	NN72-1	25	NN72-1NW		39.3	12	VCP	0.5	1	1	2.5	1	2.5						0			MEDIUM OFFSET JOINT @ 36' MAT CHANGE @ 36' (RCP)	NONE	2016	0145-0458		
Street	Oakwood	SW3930	NN72-2N		NN72-2		10	12	VCP	0.5	0.5	1	2	2	4						0				NONE	2016	0145-0458		
Street	Oakwood	SW3931	NN72-2W		NN72-2		31	12	VCP	0.5	0.5	1	2	3.5	7						0				Dig Mainline	2016	0145-0458		
Street	Oakwood	SW3932	NN72-5N		NN72-5		12	12	VCP	0.5	0.5	1	2	2	4						0				NONE	2016	0145-0458		
Street	Oakwood	SW3933	NN72-5W		NN72-5		32	12	VCP	0.5	0.5	1	2	2.5	5						0				Dig Mainline	2016	0145-0458		
Street	Oakwood	SW3934	NN72-6		NN72-6N		5	6	PVC	0.5	0.5	1	2	1	2						0				NONE	2016	0145-0458		
Street	Oakwood	SW3935	NN72-6		NN72-6W		28	12	RCP	0.5	0.5	1	2	2	4						0				NONE	2016	0145-0458		
Street	Oakwood	SW3936	NN72-7		NN72-7N		12	12	VCP	0.5	0.5	1	2	5	10						0				Dig Mainline	2016	0145-0458		
Street	Oakwood	SW3937	NN72-7		NN72-7NW		36	12	VCP	0.5	0.5	1	2	2.5	5						0				Dig Mainline	2016	0145-0458		
Street	Stephens	SW3938	NN66-16SW	4	NN66-16W		37	8	VCP	0.5	1	1	2.5	3	7.5	0				0	0	Mult Crack(26', 34')	Dig Mainline	2016	0145-0458				
Street	Hayes	SW3939	NN70-1-4SW	4	NN70-1-4W		21	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(9', 12')	None	2016	0145-0458				
STREET	STEPHENS	SW3940	NN66-16-3NE	4	NN66-16-3NW		46.6	12	CMP	0.5	1	1	2.5	1	2.5					0		NO DEFECTS OBSERVED	NONE	2016	0145-0458				
STREET	STEPHENS	SW3941	NN66-16-2W	5	NN66-16-2NW		35.5	12	CMP	0.5	1	1	2.5	1	2.5					0		NO DEFECTS OBSERVED	NONE	2016	0145-0458				
STREET	STEPHENS	SW3942	NN66-16-2	12	NN66-16-2W		21.4	12	CMP	0.5	1	1	2.5	1	2.5					0		TRAP AT CB	NONE	2016	0145-0458				
STREET	STEPHENS	SW3943	NN66-16-2E	5	NN66-16-2NE		34.9	12	CMP	0.5	1	1	2.5	1	2.5					0		NO DEFECTS OBSERVED	NONE	2016	0145-0458				
STREET	STEPHENS	SW3944	NN66-16-2	12	NN66-16-2E		54.6	12	CMP	0.5	1	1	2.5	1	2.5					0		TRAP AT CB	NONE	2016	0145-0458				
Street	Firwood	SW3945	NN73-8NW		NN73-8		28	12	VCP	0.5	0.5	1	2	2.5	5					0			Dig Mainline	2016	0145-0458				
Street	Oakwood	SW3946	NN72-4NW		NN72-4		48	12	VCP	0.5	0.5	1	2	2.3	4.6					0			NONE	2016	0145-0458				
Street	Oakwood	SW3947	NN72-4N		NN72-4		20	12	VCP	0.5	0.5	1	2	2.3	4.6					0			NONE	2016	0145-0458				
Street	Oakwood	SW3948	NN72-4		NN72-4W		58	12	VCP	0.5	0.5	1	2	3	6					0			Dig Mainline	2016	0145-0458				
Street	Oakwood	SW3949	NN72-3NW		NN72-3N		32	12	RCP	0.5	0.5	1	2	2	4					0			NONE	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Offset	Broken Pipe	Total in Service	Capped	Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Total in Service	Capped									
Street	Oakwood	SW3950	NN72-3N		NN72-3		14	12	RCP	0.5	0.5	1	2	1	2					0					NONE	2016	0145-0458				
STREET	9 MILE	SW3951	NN73-1	25	NN73-1N	4	40	12	VCP	0.5	0.5	1	2	5	10					0	LARGE OFFSET JOINT @ 1'; MSA DUE TO JOINT REVERSAL; ALIGNMENT DOWN, MAT CHANGE @ 7' (VCP); CAMERA CANNOT NAVIGATE LINE NOT COMPLETED		Dig Mainline	2016	0145-0458						
STREET	9 MILE	SW3952	NN73-1	25	NN73-1W		40.1	12	RCP	0.5	1	1	2.5	1	2.5					0	OFFSET JOINT @ 31'; VCP TRAP AT CB		NONE	2016	0145-0458						
STREET	9 MILE	SW3953	NN75-1NE	3	NN75-1		20.7	12	RCP	0.5	1	1	2.5	1	2.5					0	DEPOSIT @ 8'		NONE	2016	0145-0458						
STREET	9 MILE	SW3954	NN75-1NW	4	NN75-1		28.6	12	RCP	0.5	1	1	2.5	1	2.5					0	LINE ENDS AT PRESUMED BULKHEAD		NONE	2016	0145-0458						
STREET	9 MILE	SW3956	NN72-1	25	NN72-1E		34.4	12	VCP	0.5	1	1	2.5	5	12.5					0	BROKEN HOLE VOID VISIBLE @ 5'; MULT CRACKS @ 25'; MAT CHANGE @ 30' (RCP)		Dig Mainline	2016	0145-0458						
STREET	STEPHENS	SW3957	NN66-16-1W	6	NN66-16-1SW		95.7	12	CMP	0.5	1	1	2.5	1	2.5					0					2016	0145-0458					
STREET	STEPHENS	SW3958	NN66-16-1NW		NN66-16-1W	6	34.4	12	CMP	0.5	1	1	2.5	1	2.5					0	NO DEFECTS OBSERVED		NONE	2016	0145-0458						
STREET	STEPHENS	SW3959	NN66-16-1	14	NN66-16-1W		18.3	12	CMP	0.5	1	1	2.5	1	2.5					0	TRAP AT CB		NONE	2016	0145-0458						
STREET	STEPHENS	SW3960	NN66-16-1	14	NN66-16-1N		56.4	12	CMP	0.5	1	1	2.5	1	2.5					0	TRAP AT CB				2016	0145-0458					
STREET	STEPHENS	SW3964	NN29-4-2	14.5	NN29-4-2SW		81.5	12	RCP	0.5	1	1	2.5	1	2.5					0	OFFSET JOINT @ 74"		NONE	2016	0145-0458						
Street	Cushing	SW3966	NN42-6NE		NN42-6		63	10	RCP	0.5	1	1	2.5	1	2.5					0					2016	0145-0458					
Street	Norton	SW3967	NN26-3W		NN26-3		26	12	VCP	0.5	0.5	1	2	3	6					0			Dig Mainline	2016	0145-0458						
Street	Norton	SW3968	NN26-3NW		NN26-3		62	12	VCP	0.5	0.5	1	2	3	6					0			Dig Mainline	2016	0145-0458						
Street	Lambrecht	SW3969	ST-38-43NNW		ST-38-43N		27	12	RCP	0.5	0.5	1	2	2	4					0			None	2016	0145-0458						
Street	Lambrecht	SW3970	ST-38-17-17SW		NN26-5		47	12	VCP	0.5	0.5	1	2	2.2	4.4					0			None	2016	0145-0458						
Street	Donald	SW3972	NN39-8		NN39-8N		11	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	Mult Crack and Med OS joint(6'), Size reduced to 4"(0")		None	2016	0145-0458						
Street	Cushing	SW3974	NN42-4SE		NN42-4		16	10	RCP	0.5	0.5	1	2	1	2					0			None	2016	0145-0458						
Street	Rausch	SW3976	NN38-6		NN38-6E		11	12	VCP	0.5	0.5	1	2	5	10	0				0	Survey abandoned(2')-Large OS joint		Dig Mainline	2016	0145-0458						
Street	Rausch	SW3977	NN38-6W		NN38-6E		26	12	VCP	0.5	0.5	1	2	3	6					0			Dig Mainline	2016	0145-0458						
Street	Donald	SW3978	NN39-7		NN39-7N		17	12	VCP	0.5	0.5	1	2	1.5	3	0				0	Med OS joint(7"), Long, Crack(12'), Size reduces to 4"(14")		None	2016	0145-0458						

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Donald	SW3979	NN39-7N		NN39-7NW		27	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(6', 11'-27') Long. Crack(14', 18'), Lt MD at joints(11'-27')	None	2016	0145-0458		
Street	Lambrecht	SW3984	NN26-1NW		NN26-1N		28	12	PVC	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Lambrecht	SW3985	NN26-2SW		NN26-2		27	12	VCP	0.5	0.5	1	2	2	4						0			None	2016	0145-0458		
Street	Cushing	SW3986	NN44-4		NN44-4SE		28	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Cushing	SW3987	NN44-4SE		NN44-4NE		26	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Cushing	SW3988	NN44-5A		NN44-5AN		20	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Donald	SW3989	NN39-4W		NN39-4WNW		28	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Med OS joint(8') Long. Crack(4'), Mult Crack(21'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Donald	SW3990	NN39-4		NN39-4W		56	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks and Lt MD T/O	Dig Mainline	2016	0145-0458		
Street	Donald	SW3991	NN39-4		NN39-4N		46	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult and Long. Cracks T/O, Lt MD at joints T/O, Size reduces to 4'(43')	None	2016	0145-0458		
Street	Donald	SW3992	NN39-4N		NN39-4NW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks(10'-28'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Donald	SW3993	NN39-4		NN39-4SE		48	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Cracks T/O, Long. Crack(9', 13', 14'), Spiral Fracture(33'), Lt MD at joints T/O, Size reduces to 4'(45')	None	2016	0145-0458		
Street	Donald	SW3994	NN39-4SE		NN39-4SW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks(7', 9'-28'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Rausch	SW3995	NN38-3		NN38-3NE		45	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Rausch	SW3996	NN38-3		NN38-3NW		51	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Mult and Hinge Cracks T/O, Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Rausch	SW3997	NN38-3		NN38-3W		46	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Mult and Hinge Cracks T/O, Lt MD at joints T/O, Size reduces to 4'(44")	Dig Mainline	2016	0145-0458		
Street	Rausch	SW3998	NN38-3		NN38-3E		23	12	VCP	0.5	0.5	1	2	3	6	1				1	0	Mult Crack T/O, Lt MD at joints T/O, Size reduced to 4'(20")	Dig Mainline	2016	0145-0458			
Street	Rausch	SW3999	NN38-3W		NN38-3WNW		27	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Mult Crack(15'), Long. Crack(16', 17'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Rausch	SW4000	NN38-3E		NN38-3ENE		28	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(19'), Lt MD at joints T/O	None	2016	0145-0458			
Street	David	SW4001	NN32-3NW		NN32-3W		27	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD and Lt Roots at joints T/O	None	2016	0145-0458			
Street	David	SW4003	NN32-3		NN32-3N		50	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Cracks T/O, Size reduces to 4'(48")	Dig Mainline	2016	0145-0458			
Street	David	SW4004	NN32-3		NN32-3E		25	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(8'), Lt MD at joints(6'-25'), Size reduces to 4'(22')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	David	SW4005	NN32-3E		NN32-3NE		26	12	VCP	0.5	0.5	1	2	1	2	0				0	0		Lt MD at joints T/O	None	2016	0145-0458		
Street	David	SW4006	NN32-3S		NN32-3SW		27	12	VCP	0.5	0.5	1	2	2	4	0				0	0		Long Crack(15', 18'), Lt Roots at joints T/O	None	2016	0145-0458		
Street	Donald	SW4007	NN39-6		NN39-6SW		50	12	VCP	0.5	0.5	1	2	4	8	0				0	0		Mult Cracks T/O, Hinge Crack(20', 24', 26'), Size reduces to 4'(47")	Dig Mainline	2016	0145-0458		
Street	Donald	SW4008	NN39-6SW		NN39-6W		27	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult Crack(8'-27'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Rausch	SW4009	NN38-5W		NN38-5NNW		27	12	VCP	0.5	0.5	1	2	1	2	0				0	0		Med OS joint(19'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Rausch	SW4010	NN38-5		NN38-5W		52	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0		Mult and Long, Cracks T/O, Size reduces to 4'(49")	None	2016	0145-0458		
Street	Rausch	SW4011	NN38-5		NN38-5NW		51	12	VCP	0.5	0.5	1	2	4	8	0				0	0		Mult Crack T/O, Hinge Crack(8', 11', 27', 29'-45"), Long Crack(15', 17')	Dig Mainline	2016	0145-0458		
Street	Rausch	SW4012	NN38-5		NN38-5NE		43	12	VCP	0.5	0.5	1	2	5	10	0				0	0		Collapse(1")	Dig Mainline info sent to city	2016	0145-0458		
Street	Rausch	SW4014	NN38-5		NN38-5SE		17	12	VCP	0.5	0.5	1	2	2	4	1			1	0		Long Crack(9')	None	2016	0145-0458			
Street	Rausch	SW4015	NN38-5		NN38-5E		33	12	VCP	0.5	0.5	1	2	1	2	0			0	0		Lt MD at joints(6'-33'), Size reduces to 4'(30')	None	2016	0145-0458			
Street	Rausch	SW4016	NN38-5E		NN38-5NNE		27	12	VCP	0.5	0.5	1	2	2	4	0			0	0		Long Crack(12'), Lt MD at joints(6'-19')	None	2016	0145-0458			
Street	Donald	SW4017	NN39-6SE		NN39-6		26	12	VCP	0.5	0.5	1	2	3	6	0			0	0		Mult Crack(6'-28'), Lt MD at joints T/O, Size reduces to 4'(23')	Dig Mainline	2016	0145-0458			
Street	Donald	SW4018	NN39-6SE		NN39-6NE		28	12	VCP	0.5	0.5	1	2	3	6	0			0	0		Mult Cracks(9'-28'), Lt Roots at joints T/O	Dig Mainline	2016	0145-0458			
Street	Donald	SW4019	NN39-6		NN39-6N		51	12	VCP	0.5	0.5	1	2	4	8	0			0	0		Mult and Hinge Cracks T/O, Size reduces to 4'(49")	Dig Mainline	2016	0145-0458			
Street	Cushing	SW4021	NN44-6NE		NN44-6SE		26	12	VCP	0.5	0.5	1	2	1	2				0				None	2016	0145-0458			
Street	Cushing	SW4022	NN44-6SE		NN44-6		26	12	VCP	0.5	0.5	1	2	1	2				0				None	2016	0145-0458			
Street	Donald	SW4024	NN39-2NW		NN39-2N		28	12	VCP	0.5	0.5	1	2	3	6				0				Dig Mainline	2016	0145-0458			
STREET	STEPHENS	SW4025	N42-6-2	8.5	BULKHEAD		21.1	12	RCP	0.5	1	1	2.5	1	2.5								NOTE THIS LINE WAS DONE AS REVERSAL FROM SETUP 791. MSA @ 21' DUE TO BULKHEAD. GIS HAS SEPARATED IT INTO TWO DIFFERENT LINES	NONE	2016	0145-0458		
Street	Donald	SW4026	NN39-2		NN39-2SE		6	12	VCP	0.5	0.5	1	2	3	6	0			0	0		Mult Crack(2'), Size reduces to 4'(2')	Dig Mainline	2016	0145-0458			
Street	Donald	SW4027	NN39-3SE		NN39-3SW		28	12	VCP	0.5	0.5	1	2	3	6	0			0	0		Mult Crack(10', 16', 23'), Lt DM at select joints T/O	Dig Mainline	2016	0145-0458			
Street	Donald	SW4028	NN39-3		NN39-3SE		91	12	VCP	0.5	0.5	1	2	2.5	5	0			0	0		Long and Mult cracks T/O, Size reduces to 10'(63')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	David	SW4033	NN32-1SE		NN32-1SW		29	12	PVC	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458		
Street	David	SW4034	NN32-1		NN32-1SE		17	12	PVC	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458		
Street	Cushing	SW4037	NN44-7N		NN44-7		23	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	David	SW4038	NN32-6		NN32-6NW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0		Mult Cracks T/O, Lt MD at joints T/O	FCJPP	2016	0145-0458		
Street	David	SW4039	NN32-6		NN32-6NE		14	12	VCP	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458		
Street	David	SW4040	NN32-5SE		NN32-5SW		26	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0		Mult Crack(10', 12'), Long Crack(16'), Lt MD at joints(5'-26')	None	2016	0145-0458		
Street	David	SW4041	NN32-5NE		NN32-5NW		27	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0		Long Crack(10', 12'), Mult Crack(17'-27')	None	2016	0145-0458		
Street	David	SW4042	NN32-5		NN32-5NE		47	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0		Mult and Long Cracks T/O, Lt MD at joints T/O, Size reduces to 4"(45")	None	2016	0145-0458		
Street	David	SW4043	NN32-5		NN32-5SE		14	12	VCP	0.5	0.5	1	2	3	6	0					0	0		Mult crack(6"), Size reduces to 4"(10")	Dig Mainline	2016	0145-0458		
Street	Saxony	SW4045	NN29-3	10.4	NN29-3A	19.5	30	12	VCP	0.5	0.5	1	2	1	2	0					0	0		Lt MD at joints(18'-30')	None	2016	0145-0458		
Street	Lambrecht	SW4049	ST-38-17-16SW		ST-38-17-16S		27	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Lambrecht	SW4050	ST-38-17-16SE		ST-38-17-16		15	12	VCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Lambrecht	SW4051	ST-38-17-17N		ST-38-17-17NW		28	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street		SW4052	NN26-6SW		NN26-6		27	12	VCP	0.5	0.5	1	2	2.5	5						0				None	2016	0145-0458		
Street	Lambrecht	SW4053	NN26-7NW		NN26-7		24	12	VCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458		
Street	Normandy	SW4054	NN19-7AW		NN19-7ANE		28	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Normandy	SW4055	NN19-7ANE		NN19-7A		10	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	STEPHENS	SW4057	NN24-7BN		NN24-7BNE		37	12	RCP	0.5	1	1	2.5	1.5	3.75						0				None	2016	0145-0458		
Street	Tuscany	SW4058	NN24-7AN		NN24-7A		64	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Tuscany	SW4059	NN24-7AW		NN24-7A		46	12	RCP	0.5	1	1	2.5	1	2.5						0				None	2016	0145-0458		
Street	Lambrecht	SW4064	ST-38-17-17		ST-38-17-16		19	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Lamrecht	SW4077	ST-38-43N		ST-38-43		28	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Norton	SW4078	ST-38-42SW		ST-38-42NW		25	12	VCP	0.5	0.5	1	2	3.5	7					0					Dig Mainline	2016	0145-0458		
Street	Norton	SW4079	ST-38-42NW		BLIND TAP		4	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street		SW4080	ST-38-42-1NW		ST-38-42-1W		27	12	RCP	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458		
Street	Brittany	SW4081	ST-38-41-1NW		ST-38-41-1N		27	12	RCP	0.5	0.5	1	2	2.2	4.4					0					None	2016	0145-0458		
Street	Normandy	SW4082	ST-38-40-1SW		ST-38-40-1W		28	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street		SW4083	ST-38-17-15-1W		ST-38-17-15-1N		28	12	RCP	0.5	0.5	1	2	2.5	5					0					None	2016	0145-0458		
Street	Normandy	SW4085	NN19-7AN		NN19-7ANE		63	12	RCP	0.5	1	1	2.5	1	2.5					0					None	2016	0145-0458		
Street	Brittany	SW4086	ST-38-17-14SW		ST-38-17-14NW		24	12	VCP	0.5	0.5	1	2	1.5	3					0					None	2016	0145-0458		
Street	Brittany	SW4087	ST-38-17-14-1NW		ST-38-17-14-1N		29	12	RCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Semrau	SW4088	ST-38-17-14SE		ST-38-17-14NE		24	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Normandy	SW4089	ST-38-17-13-1NW		ST-38-17-13-1W		29	12	RCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Normandy	SW4090	ST-38-17-13-1NW		ST-38-17-13-1		6	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Normandy	SW4091	NN19-5ANW		NN19-5A		33	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW4092	NN21-6NW		NN21-6		27	12	VCP	0.5	0.5	1	2	5	10					0					Dig Mainline	2016	0145-0458		
Street	Brittany	SW4093	NN21-6N		NN21-6		11	12	VCP	0.5	0.5	1	2	4	8					0					Dig Mainline	2016	0145-0458		
Street	Brittany	SW4094	NN21-6ASE		NN21-6A		3	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW4095	NN21-6ASW		NN21-6A		27	10	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW4096	NN21-7N		NN21-7		20	10	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW4097	NN21-7NW		NN21-7		33	12	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Normandy	SW4098	NN19-7SW		BLIND TAP		33	12	RCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Normandy	SW4099	NN19-7S		NN19-7		65	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW4102	ST-38-41SW		ST-38-41NW		24	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Brittany	SW4103	ST-38-41NW		BLIND TAP		3	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Semrau	SW4104	ST-3-17-15SW		ST-38-17-15NW		23	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Semrau	SW4105	ST-38-17-15NW		BLIND TAP		7	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Lambrecht	SW4106	NN26-1N		NN26-1		14	12	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Tuscany	SW4107	NN24-1NW		NN24-1		27	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Tuscany	SW4108	NN24-1N		NN24-1		11	12	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Lambrecht	SW4109	NN26-2S		NN26-2		72	12	VCP	0.5	0.5	1	2	3	6					0					FCJPP	2016	0145-0458		
Street	Tuscany	SW4110	NN24-2NW		NN24-2		35	12	RCP	0.5	0.5	1	2	4	8					0					Dig Mainline	2016	0145-0458		
Street	Tuscany	SW4111	NN24-2N		NN24-2		30	12	PVC	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Brittany	SW4112	NN21-2NNW		BLIND TAP		2	8	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street		SW4113	NN19-1NW		NN19-1		25	12	VCP	0.5	0.5	1	2	3	6					0					None	2016	0145-0458		
Street	Normandy	SW4114	NN19-1N		NN19-1		20	12	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW4115	NN21-1N		NN21-1		15	8	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW4116	NN21-1NW		BLIND TAP		6	8	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Lambrecht	SW4118	NN26-4N		BLIND TAP		36	10	VCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Tuscany	SW4119	NN24-4NW		BLIND TAP		31	10	RCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Tuscany	SW4120	NN24-4N		NN24-4		86	12	VCP	0.5	0.5	1	2	1.3	2.6					0					None	2016	0145-0458		
Street	Brittany	SW4121	NN21-4W		BLIND TAP		24	8	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW4122	NN21-4		NN21-4E		8	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Brittany	SW4123	NN21-4N		BLIND TAP		3	8	PVC	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Normandy	SW4124	NN19-4N		BLIND TAP		3	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Tuscany	SW4125	NN24-7NW		NN24-7		27	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Tuscany	SW4126	NN24-7N		NN24-7		15	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Lambrecht	SW4127	ST-38-17-16S		ST-38-17-16		43	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Lambrecht	SW4128	ST-38-17-17N		ST-38-17-17		9	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Lambrecht	SW4129	ST-38-17-17N		ST-38-17-17		23	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458			
Street	Lambrecht	SW4130	ST-38-17-16NE		ST-38-17-16		9	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Tuscany	SW4131	NN24-6W		NN24-6		26	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458			
Street	Tuscany	SW4132	NN24-6E		NN24-6		7	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Semrau	SW4133	ST-38-17-15SE		ST-38-17-15NE		24	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Semrau	SW4134	ST-38-17-15NE		ST-38-17-15		12	12	RCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458			
Street	Normandy	SW4135	NN19-5AN		NN19-5A		20	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Lambrecht	SW4136	NN26-6S		NN26-6		11	12	VCP	0.5	0.5	1	2	5	10					0					Dig Mainline	2016	0145-0458			
Street	Lambrecht	SW4137	NN26-7NE		NN26-7		8	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
Street	Normandy	SW4138	NN19-3SW		NN19-3S		25	12	VCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458			
STREET	9 MILE	SW4228	N12A	6	N12-WNW	113.8	12	RCP	0.5	1	1	2.5	5	12.5											NOTE LINE NOT ON MAP, JOM IN SPOTS THROUGHOUT LINE @ 113'; HOLE IN BOTTOM OF LINE @ 113'; MSA INFORMATION SENT TO STEVE PANDORI	DIG UP AND REPLACE LINE @ 113'	2016	0145-0458		
Street	Tuscany	SW4458	NN24-7ANW		NN24-7AN	29	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458				
Street	Brittany	SW4459	NN29-9-3-5A		NN29-9-3-5AS	8	10	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(8')			None	2016	0145-0458				
Street	Brittany	SW4460	NN29-9-3-5AS	4.8	NN29-9-3-SASW	5	26	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(4', 7', 9', 10', 15'), Hinge Fracture(25')		Dig Mainline	2016	0145-0458				
Street	Brittany	SW4461	NN29-9-3-5NW		NN29-9-3-5	32	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Long. Crack(8'), Mult Crack(7', 10', 13', 17', 23', 27')		Dig Mainline	2016	0145-0458					

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Brittany	SW4462	NN29-9-3-4AN		NN29-9-3-4ANW		27	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult Cracks T/O	Dig Mainline	2016	0145-0458		
Street	Brittany	SW4463	NN29-9-3-4AN		NN29-9-3-4A		10	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0			Mult Crack(4', 7'), Med OS joint(6')	None	2016	0145-0458		
Street	Brittany	SW4464	NN29-9-3-4W		NN29-9-3-4SW		27	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult Crack(6', 14', 21', 24'), Lt MD at joints(4', 8')	Dig Mainline	2016	0145-0458		
Street	Brittany	SW4465	NN29-9-3-4		NN29-9-3-4W		50	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult. And Long. Cracks T/O, Pipe size reduction to 4"(48")	Dig Mainline	2016	0145-0458		
Street	Brittany	SW4466	NN29-9-3-3N		NN29-9-3-3NW		28	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult Cracks T/O	Dig Mainline	2016	0145-0458		
Street	Brittany	SW4467	NN29-9-3-3N		NN29-9-3		6	12	VCP	0.5	0.5	1	2	2	4	0				0	0			Large angular joint(2'), Long. Crack(2')	None	2016	0145-0458		
Street	Brittany	SW4468	NN29-9-3-2AS		NN29-9-3-2ASW		27	12	VCP	0.5	0.5	1	2	2	4	0				0	0			Long. Crack(6', 14', 26'), Mult Crack(21')	None	2016	0145-0458		
Street	Brittany	SW4469	NN29-9-3-2A		NN29-9-3-2AS		18	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult Cracks T/O, Pipe size reduction to 4"(16")	Dig Mainline	2016	0145-0458		
Street	Brittany	SW4470	NN29-9-3ANW	3	NN29-9-3AN		27	10	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult. Cracks T/O	Dig Mainline	2016	0145-0458		
Street	Brittany	SW4471	NN29-9-3A	4.7	NN29-9-3AN		13	12	PVC	0.5	0.5	1	2	1	2	0				0	0			No defects observed	None	2016	0145-0458		
Street	Brittany	SW4472	NN29-9-3SW		NN29-9-3S	3	28	10	VCP	0.5	0.5	1	2	3	6	0				0	0			Long. Crack(17'), Mult Crack(21'), Large OS joint(23', 28'), Hole(23')	Dig Mainline	2016	0145-0458		
Street	Brittany	SW4473	NN29-9-3-1	4	NN29-9-3S		45	12	RCP	0.5	0.5	1	2	1.7	3.4	0				0				Long. Crack(6', 9', 27'), Lt MD at joints(7', 13', 19', 25', 37'), Pipe size reduction to 4"(42")	NONE	2016	0145-0458		
Street	Brittany	SW4474	NN29-9-3-1NW	3	NN29-9-3-1N		27	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0			Mult and Long. Cracks T/O	None	2016	0145-0458		
Street	Brittany	SW4475	NN29-9-3-1	4.2	NN29-9-3-1N		19	12	VCP	0.5	0.5	1	2	2.2	4.4	0				0	0			Long. Crack(5', 7', 14'), Med OS joint(7', 9', 16'), Mult Crack(9', 14', 16')	None	2016	0145-0458		
Street	Lambrecht	SW4502	NN29-9-1-4	4	NN29-9-1-4NE		28	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult Crack(26'), Pipe size reduction to 4"(26")	Dig Mainline	2016	0145-0458		
Street	Lambrecht	SW4503	NN29-9-1-4	4	NN29-9-1-4N		18	12	VCP	0.5	0.5	1	2	3.9	7.8	0				0	0			Mult Fracture(5'), Deformed(7'), Broken(8'), Hinge Fracture(9')	Dig Mainline	2016	0145-0458		
Street	Lambrecht	SW4504	NN29-9-1-4	4.2	NN29-9-1-4NW		31	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult and Long. Cracks T/O, Lt MD at joints(14'-23')	Dig Mainline	2016	0145-0458		
Street	Lambrecht	SW4505	NN29-9-1-4	4.3	NN29-9-1-4W		49	12	VCP	0.5	0.5	1	2	2	4	1				1	0			Long. Crack(9', 16', 19', 27'), Mult Crack(46'), Pipe Size reduction to 4"(47")	None	2016	0145-0458		
Street	Hauss	SW4506	NN29-9-2-4NW	3	NN29-9-2-4SW		27	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0			Spiral Crack(7'), Mult Crack(19'), Lt MD at joints(4', 12', 22')	None	2016	0145-0458		
Street	Brittany	SW4507	NN29-9-3-4		NN29-9-3-4E		65	12	VCP	0.5	0.5	1	2	3	6	0				0	0			Mult Fracture(6', 9', 12'), Long. Crack(19'-58'), Mult Crack(15'), Lt Roots at joint(15'), Lt H2S damage T/O, Size reduction to 4"(59")	Dig Mainline	2016	0145-0458		
Street	Tuscany	SW4508	NN29-9-2-3A		NN29-9-2-3AS		14	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0			Mult Crack(4', 6'), Long. Crack(6', 8')	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Tuscany	SW4509	NN29-9-2-3A		NN29-9-2-3AW		27	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(4'), Long. Crack(5', 8', 10', 11'-27'), Hinge Fracture(16', 17', 19'), Hwy Roots at joint(21)	Dig Mainline	2016	0145-0458		
Street	Tuscany	SW4510	NN29-9-2-5AW		NN29-9-2-5A		24	12	VCP	0.5	0.5	1	2	2.1	4.2	0					0	0	Spiral Crack(4'), Circ. Crack(7'), Long. Crack(7', 10', 11', 13', 18', 21'), Mult Crack(19')	None	2016	0145-0458		
Street	Tuscany	SW4511	NN29-9-2-5A		NN29-9-2-SASSE		10	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Lambrecht	SW4512	NN16-10-2-15	4.3	NN16-10-2-15NE		16	12	VCP	0.5	0.5	1	2	1.7	3.4	0					0	0	Long. Crack(10'), Med Separated joint(11'), LI Roots at joints(7', 14')	None	2016	0145-0458		
Street	Lambrecht	SW4513	NN16-10-2-15		NN16-10-2-15NW		25	12	VCP	0.5	0.5	1	2	5	10	0					0	0	Hole with void(2'), Long. Crack(8'), Hinge Fracture(22')	Dig Mainline	2016	0145-0458		
Street	Lambrecht	SW4514	NN29-9-1-5	2	NN29-9-1-5SE		8	8	PVC	0.5	0.5	1	2	1	2	1					1	0	No defects observed	None	2016	0145-0458		
Street	Lambrecht	SW4515	NN29-9-1-5		NN29-8-1-5SSE		40	10	VCP	0.5	0.5	1	2	2	4	1					1	0	Med OS joint(21', 25'), Long. Crack(26'), Hinge Fracture(28'), LI Roots at joints(17')	None	2016	0145-0458		
Street	Tuscany	SW4517	NN29-9-2-4A		NN29-9-2-4ASE		7	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Tuscany	SW4518	NN29-9-2-4A		NN29-9-2-4ASW		27	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Long. Crack(5', 14', 19'), Hinge Fracture(8', 18'), Mult Crack(21'), Pipe size reduction to 10'(23')	None	2016	0145-0458		
Street	Lambrecht	SW4519	NN29-9-1-4NE		NN29-9-1-4SE		27	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(5', 7'), Spiral Crack(8'), Mult Crack(22'), Roots(24'), CB is at capacity with debris	None	2016	0145-0458		
Street	Lambrecht	SW4520	NN29-9-1-1A		NN29-9-1-1ANNE		15	12	PVC	0.5	0.5	1	2	1	2	0					0	0	Alignment down(12')	None	2016	0145-0458		
Street	Lambrecht	SW4521	NN29-9-1-1A		NN29-9-1-1ANW		29	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Lambrecht	SW4522	NN29-9-1-2		NN29-9-1-2S		8	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(2')	None	2016	0145-0458		
Street	Lambrecht	SW4523	NN29-9-1-2		NN29-9-1-2SW		24	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Broken with hole(19')	Dig Mainline	2016	0145-0458		
Street	Tuscany	SW4524	NN29-9-2SW	3	NN29-9-2W		26	12	RCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Long. Crack(8', 11', 12'), Spiral Fracture(7'), LI MD at joint(13')	None	2016	0145-0458		
Street	Tuscany	SW4525	NN29-9-2		NN29-9-2W		50	12	VCP	0.5	0.5	1	2	3	6	1				1	0	Med OS joints T/O, Long. Cracks T/O, Mult Crack(10', 12', 22'), Size reduction to 4'(47')	Dig Mainline	2016	0145-0458			
Street	Tuscany	SW4526	NN29-9-2-1		NN29-9-2-1N		15	12	VCP	0.5	0.5	1	2	1.3	2.6	0				0	0	Med Angular Joint(4', 10'), Long. Crack(6')	None	2016	0145-0458			
Street	Tuscany	SW4527	NN29-9-2-1	4	NN29-9-2-1NNW		87	12	VCP	0.5	0.5	1	2	3.3	6.6	0				0	0	Mult and Long. Cracks T/O, Hinge Fracture(42', 86')	FCI/PP	2016	0145-0458			
Street	Tuscany	SW4528	NN16-10-14	4	NN16-10-14NW		70	12	VCP	0.5	0.5	1	2	3.3	6.6	1				1	0	Long. And Mult Cracks(4'-33'), Hinge Fracture(37'), LI Roots at joints(52'-64')	FCI/PP	2016	0145-0458			
Street	Hayes	SW4636	NN66-26NW		NN66-26N		35	12	VCP	0.5	1	1	2.5	2	5					0			None	2016	0145-0458			
Street	Hayes	SW4637	NN66-26N		NN66-26		12	12	VCP	0.5	0.5	1	2	2	4					0			None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Hayes	SW4638	NN66-24N		NN66-24		10	12	VCP	0.5	1	1	2.5	1.5	3.75						0				None	2016	0145-0458		
Street	Hayes	SW4639	NN66-24NW		NN66-24N		24	12	VCP	0.5	1	1	2.5	1	2.5						0				None	2016	0145-0458		
Street	Hayes	SW4640	NN66-22N		NN66-22		27	12	VCP	0.5	1	1	2.5	2.8	7						0				Dig Mainline	2016	0145-0458		
Street	Hayes	SW4641	NN66-22NW		NN66-22N		41	12	VCP	0.5	1	1	2.5	2.5	6.25						0				Dig Mainline	2016	0145-0458		
Street	Forest	SW4643	NN66-11-SW		NN66-11-2W		25	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(8', 10'-25'), Size reduction to 8'(21')	Dig Mainline	2016	0145-0458			
Street	Grove	SW4644	NN66-11-2	5	NN66-11-2NW		50	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Hinge Fracture(28'), Long. Crack(31', 34'), Broken(48'), Size reduction to 4'(48')	Dig Mainline	2016	0145-0458			
Street	Dale	SW4645	NN66-12-2		NN66-12-2NE		44	10	RCP	0.5	0.5	1	2	1	2	0					0	0	Med Angular Joint(0f), Extra structure attached to catch basin	None	2016	0145-0458			
Street	Dale	SW4646	NN66-12-2		NN66-12-2NW		44	10	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. Crack(8', 9', 30', 42'), Mult Crack(10', 34', 37'), Survey abandoned(44')-Turn in line	None	2016	0145-0458			
Street	Dale	SW4647	NN66-12-2W		NN66-12-2		48	10	VCP	0.5	0.5	1	2	3	6						0			Dig Mainline	2016	0145-0458			
Street	Dale	SW4648	NN66-12-2SW		NN66-12-2W		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Survey abandoned(1')-Hvy Roots, Reverse-Survey abandoned(1')-Hvy Roots	Cut roots after verifying that no gas services cross the storm sewer	2016	0145-0458			
Street	Laetham	SW4649	NN66-14-2	8	NN66-14-2NE		44	10	VCP	0.5	0.5	1	2	2	4	0					0	0	Med OS joint(7', 32'), Bell end to bell end repair(10'), Long. Crack(24', 37')	None	2016	0145-0458			
Street	Laetham	SW4650	NN66-14-2	8	NN66-14-2NW		50	10	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Cracks T/o	None	2016	0145-0458			
Street	Laetham	SW4651	NN66-14-2	8	NN66-14-2W		66	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(11', 13', 31', 37', 43', 49', 52'), Hinge Fracture(23'), Size reduction to 4"(65")	Dig Mainline (63'-66' FCJPP)	2016	0145-0458			
Street	Laetham	SW4652	NN66-14-2	7	NN66-14-2SW		49	10	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Cracks T/o, LIMD at joints(8', 29'), LI Roots at joints(37'-44'), Line ends at bulkhead(49')	Bulkhead MH and abandon line	2016	0145-0458			
Street	Valley	SW4653	NN66-15-2	5.5	NN66-15-2NE		45	12	VCP	0.5	0.5	1	2	3.2	6.4	0					0	0	Long. Crack(5', 8', 8', 15'), Hinge Fracture(16', 19', 37'), Mult Fracture(23')	Dig Mainline	2016	0145-0458			
Street	Valley	SW4654	NN66-15-2	6	NN66-15-2NW		50	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(5', 8', 24', 30', 47'), Mult Crack(7', 28'), Hinge Fracture(9', 33', 36')	Dig Mainline	2016	0145-0458			
Street	Valley	SW4655	NN66-15-2SW	3	NN66-15-2W		27	10	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(3', 23'), LI Roots at joint(11'), Med Roots at joint(24')	None	2016	0145-0458			
Street	Valley	SW4656	NN66-15-2	5.5	NN66-15-2SW		47	10	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(8', 10', 19', 36'), Med Roots at joints(40', 44')	None	2016	0145-0458			
Street	Hayes	SW4657	NN66-19N		NN66-19		37	12	VCP	0.5	1	1	2.5	4	10					0			Dig Mainline	2016	0145-0458				
Street		SW4658	NN66-19NW		Bulkhead		54	12	VCP	0.5	1	1	2.5	2.5	6.25						0			None	2016	0145-0458			
Street	Hayes	SW4659	NN66-21N		NN66-21		6	12	VCP	0.5	0.5	1	2	3	6					0			Dig Mainline	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Hayes	SW4660	NN66-21NW		NN66-21N		33	12	VCP	0.5	1	1	2.5	2	5					0					None	2016	0145-0458		
Street	Hayes	SW4661	NN66-17NE		NN66-17		21	12	VCP	0.5	1	1	2.5	4	10					0					Dig Mainline	2016	0145-0458		
Street		SW4662	NN66-17NW		NN66-17NE		35	12	VCP	0.5	1	1	2.5	2.6	6.5					0					None	2016	0145-0458		
Street	Valley	SW4663	NN66-15-4	7.5	NN66-15-4		40	10	VCP	0.5	0.5	1	2	3.8	7.6	0				0	0	Long Crack(3', 13'), Hinge Fracture(6', 12'), Lt Roots at joint(22', 24'-40')	Dig Mainline	2016	0145-0458				
Street	Valley	SW4664	NN66-15-4		NN66-15-NW		50	10	VCP	0.5	0.5	1	2	3.4	6.8	0				0	0	Large OS and hole with void visible(2'), Mult Crack(15', 28'), Hinge Fracture(35', 37', 39')	Dig Mainline	2016	0145-0458				
Street	Valley	SW4665	NN66-15-4SW	3	NN66-15-4W		25	10	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joint T/O	None	2016	0145-0458				
Street	Valley	SW4666	NN66-15-4		NN66-15-4W		45	10	VCP	0.5	0.5	1	2	2.7	5.4	0				0	0	Sag(7'), Mult Crack(21', 30'), Lt Roots at joints T/O, Line ends in bulkhead	Bulkhead MH and abandon line	2016	0145-0458				
Street	Valley	SW4667	NN66-15-3	5.5	NN66-15-3NE		12	10	VCP	0.5	0.5	1	2	1	2	0				0	0	Med Angular joint(7'), Lt Roots at joint(5')	None	2016	0145-0458				
Street	Valley	SW4668	NN66-15-3	7	NN66-15-3NW		26	10	VCP	0.5	0.5	1	2	1.7	3.4	0				0	0	Long, Cracks(7', 9'), Med OS joint(21'), Survey abandoned(22')-Bend in line, Reverse Set Up-Survey abandoned(4')-point of previous progress	None	2016	0145-0458				
Street	Laetham	SW4669	NN66-14-3	4	NN66-14-3NE		4	10	VCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458				
Street	Laetham	SW4670	NN66-14-3NW		NN66-14-3		6	10	VCP	0.5	0.5	1	2	1	2	0				0	0	Survey abandoned(6')-right turn	None	2016	0145-0458				
Street	Laetham	SW4671	NN66-14-4	7	NN66-14-4N		37	10	VCP	0.5	0.5	1	2	3.3	6.6	0				0	0	Hinge Fracture(3', 5', 12'), Long, Crack(15', 19'), Mult Crack(21', 30')	Dig Mainline	2016	0145-0458				
Street	Laetham	SW4672	NN66-14-4	7	NN66-14-4NW		47	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(10', 20'), Hinge Fracture(38'), Hole with void(40')	Dig Mainline	2016	0145-0458				
Street	Laetham	SW4673	NN66-14-4	7	NN66-14-4W		50	10	VCP	0.5	0.5	1	2	4.2	8.4	0				0	0	Mult Crack(12', 29'), Hinge Fracture(20', 44', 46'), Size reduction to 4'(48')	Dig Mainline	2016	0145-0458				
Street	Laetham	SW4674	NN66-14-4W		NN66-14-4SW		27	10	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joints(8', 15'), Lt MD at joint(24')	None	2016	0145-0458				
Street	Dale	SW4675	NN66-12-4	7	NN66-12-4N		37	10	VCP	0.5	0.5	1	2	3.5	7	0				0	0	Large OS joint(2', 3'), Broken(3'), Survey abandoned(3')-Broken pipe	Dig Mainline	2016	0145-0458				
Street	Dale	SW4676	NN66-12-4	7	NN66-12-4NW		41	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Large OS joint(2', 38'), Broken and hole(6'), Mult Fracture(7', 38'), Med OS joint(22', 31', 35'), Pipe size reduction to 8'(41')	Dig Mainline	2016	0145-0458				
Street	Dale	SW4677	NN66-12-4	7	NN66-12-4W		45	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(7', 9', 27', 34'), Hole(17'), Mult Fracture(19'), Bricks used as reducer in pipe(44')	Dig Mainline	2016	0145-0458				
Street	Dale	SW4678	NN66-12-4W		NN66-12-4SW		25	10	VCP	0.5	0.5	1	2	1	2	0				0	0	Med Angular Joint(24')	None	2016	0145-0458				
Street	Dale	SW4679	NN66-12-3		NN66-12-3NE		13	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Hole with soil visible(1'), Long, Crack(3'), Spiral Crack(12'), Survey abandoned(13')-cameras will not get past joint	Dig Mainline	2016	0145-0458				
Street	Dale	SW4680	NN66-12-3NW		NN66-12-3		21	10	VCP	0.5	0.5	1	2	4	8	0				0			Dig Mainline	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped				
Street	Grove	SW4681	NN66-11-3	5.5	NN66-11-3NW		23	10	VCP	0.5	0.5	1	2	2	4	0				0	0	Large OS joint(22'), Line ends in bulkhead at 23'	Dig Mainline	2016	0145-0458		
Street	Grove	SW4682	NN66-11-4	7	NN66-11-4NW		38	10	VCP	0.5	0.5	1	2	2	4	0				0	0	Sag(6'), Long Crack(13'), Line ends in bulkhead(38')	Bulkhead in MH and abandon line	2016	0145-0458		
Street	Grove	SW4683	NN66-11-4	7	NN66-11-4W		48	10	VCP	0.5	0.5	1	2	3.2	6.4	0				0	0	Long Crack(13', 22'), Hinge Fracture(17', 20'), Line ends in Bulkhead(48')	Bulkhead in MH and abandon line	2016	0145-0458		
Street	Grove	SW4684	NN66-11-4SW	3	NN66-11-4		50	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(3'12", 21", 26", 39", 41"), Large OS joint(4"), Size reduction to 4"(27"-32")	Dig Mainline	2016	0145-0458		
Street	Grove	SW4685	NN66-11-5	6	NN66-11-5SW		56	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(19", 23", 28"-56"), Med OS joint(15", 24", 31", 34", 52"), Size reduction to 4"(53")	Dig Mainline	2016	0145-0458		
Street	Laetham	SW4686	NN66-14-5	7	NN66-14-5SW		28	10	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(26", 27")	None	2016	0145-0458		
Street	Dale	SW4687	NN66-12-5W		NN66-12-5		19	10	VCP	0.5	0.5	1	2	2	4					0				2016	0145-0458		
Street	Dale	SW4688	NN66-12-5	6	NN66-12-5N		11	10	VCP	0.5	0.5	1	2	1.8	3.6	0				0	0	Long Crack(2', 8') Spiral Crack(3'), Alignment Down(8')	None	2016	0145-0458		
Street	Dale	SW4689	NN66-12-1		NN66-12-1NE		17	10	VCP	0.5	0.5	1	2	1.3	2.6	0				0	0	Med Separated joint(7', 12'), Long Crack(11'), Lt Roots at joint(7")	None	2016	0145-0458		
Street	Dale	SW4690	NN66-12-1		NN66-12-1W		23	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Long Crack(7"), Mult Crack(11", 12"-23"), Hinge Fracture(17", 20")	Dig Mainline	2016	0145-0458		
Street	Dale	SW4691	NN66-12NE		NN66-12NW	5	28	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Hayes	SW4692	NN66-16	16	NN66-16N		43	12	RCP	0.5	1	1	2.5	2.5	6.25	0				0	0	Long Crack(12"), Mult Crack(29"), Size and material change-8" and PVC(42")	None	2016	0145-0458		
Street	Hayes	SW4693	NN66-16NW	4.5	NN66-16N		39	12	RCP	0.5	1	1	2.5	2	5	0				0	0	Long Crack(7")	None	2016	0145-0458		
Street	Grove	SW4696	NN66-11NE	3.5	NN66-11NE		28	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Hayes	SW4726	NN66-25NW		NN66-25W		25	12	VCP	0.5	0.5	1	2	1	2					0			None	2016	0145-0458		
Street	Hayes	SW4727	NN66-25W		NN66-25		65	12	VCP	0.5	1	1	2.5	2	5					0			None	2016	0145-0458		
Street	Hayes	SW4729	NN66-22NE		NN66-22E		27	12	VCP	0.5	0.5	1	2	3	6					0			Dig Mainline	2016	0145-0458		
Street	Hayes	SW4730	NN66-20W		NN66-20		38	12	VCP	0.5	1	1	2.5	2.7	6.75					0			None	2016	0145-0458		
Street		SW4731	NN66-19NE		NN66-19		18	12	VCP	0.5	0.5	1	2	3	6					0		BULKHEAD	None	2016	0145-0458		
Street	Hayes	SW4732	NN66-19E		NN66-19		24	12	VCP	0.5	0.5	1	2	2	4					0			None	2016	0145-0458		
Street	Valley	SW4733	NN66-15-6	5.5	NN66-15-6W		9	10	VCP	0.5	0.5	1	2	3.5	7	0				0	0	Long Crack(8"), Spiral Crack(7"), Hole(8", 9"), Survey abandoned(9")-External pipe thru sewer	Location given to consumers for repair	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Valley	SW4735	NN66-15-5	8	NN66-15-5NW		28	10	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Long Crack(5', 7', 9', 11', 15'), Mult Crack(11', 18'), Turn in line(25')	None	2016	0145-0458		
Street	Valley	SW4736	NN66-15-5	5	NN66-15-5NW		17	10	VCP	0.5	0.5	1	2	2.4	4.8	0					0	0	Long Crack(6', 8', 9', 13'), Broken(6', 14')	None	2016	0145-0458		
Street	Valley	SW4738	NN66-15-4SE	3	NN-66-15-4		30	10	VCP	0.5	0.5	1	2	1	2	0					0	0	LI MD at joint(21')	None	2016	0145-0458		
Street	Valley	SW4739	NN66-15-2SSW	3.5	BLIND TAP		33	10	VCP	0.5	0.5	1	2	2	4	1					1	0	Long Crack(3', 7', 16', 19'), Mult Crack(10')	None	2016	0145-0458		
Street	Valley	SW4740	NN66-15-2SE	3.5	NN66-15-2E		26	10	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Mult Crack(6'), Size reduction to 8'(13'), Large Angular Joint(23')	None	2016	0145-0458		
Street	Valley	SW4741	NN66-15-2	5.5	NN66-15-2SE		26	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Long Crack(12', 16'), Mult Crack(24'), Size reduction to 4'(26')	Dig Mainline	2016	0145-0458		
Street	Valley	SW4742	NN66-15-2	5.5	NN66-15-2S		25	10	VCP	0.5	0.5	1	2	3	6	1					1	0	Med OS joint(11', 14'), Broken(24'), LI Roots at joint(20')	Dig Mainline	2016	0145-0458		
Street	Valley	SW4743	NN66-15-1		NN66-15-1NW		25	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Hole with void(2'), Surface missing(7'), Hinge Fracture(20'), Long Fracture(25')	Dig Mainline	2016	0145-0458		
Street	Valley	SW4744	NN66-15-1	5	NN66-15-1NE		13	10	VCP	0.5	0.5	1	2	4	8	0					0	0	Survey abandoned(2')-Hole with void, Reverse Set-Up-Spiral Crack(2'), Survey abandoned(1')-Hole with void	Dig Mainline - sent to City for repair	2016	0145-0458		
Street	Stephens	SW4745	NN66-15	16	NN66-15NE		36	10	CMP	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458		
Street	Laetham	SW4746	NN66-14-6	6	NN66-14-6NW		28	10	VCP	0.5	0.5	1	2	3.1	6.2	0					0	0	Med Crack(6', 22'), Spiral Crack(12'), LI MD at joint(14'), Survey abandoned(20')-Blend in line, Reverse Set-Up-Hole(1')Surface missing(1'), Survey abandoned(2')-point of previous progress	Dig Mainline	2016	0145-0458		
Street	Laetham	SW4747	NN66-14-6	5	NN66-14-6N		10	10	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(6'), Large OS joint(7')	None	2016	0145-0458		
Street	Laetham	SW4748	NN66-14-5	7	NN66-14-5E		60	10	RCP	0.5	0.5	1	2	2	4	0					0	0	Sag(20'), LI MD at joints(16', 28')	None	2016	0145-0458		
Street	Laetham	SW4749	NN66-14-4	5	NN66-14-4E		31	10	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Laetham	SW4750	NN66-14-1N		NN66-14-1		12	10	VCP	0.5	0.5	1	2	4	8						0			Dig Mainline	2016	0145-0458		
Street	Laetham	SW4751	NN66-14-1	7	NN66-14-1NW		26	10	VCP	0.5	0.5	1	2	2.6	5.2	0					0	0	Med Angular Joint(9'), Mult Crack(12', 19', 23')	None	2016	0145-0458		
Street	Dale	SW4752	NN66-12-6	6	NN66-12-6NE		11	10	VCP	0.5	0.5	1	2	2	4	0					0	0	Long Crack(3'), Large Angular Joint(5'), Spiral Crack(7'), Med Roots at joints(5')	None	2016	0145-0458		
Street	Dale	SW4753	NN66-12-6	7	NN66-12-6NW		21	10	VCP	0.5	0.5	1	2	1.5	3	0					0	0	Med Angular Joint(2'), Long Crack(13')	None	2016	0145-0458		
Street	Grove	SW4754	NN66-11-2S		NN66-11-2SSW		27	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult cracks(10', 20')	Dig Mainline	2016	0145-0458		
Street	Grove	SW4770	NN66-11-2N		NN66-11-2		114	10	VCP	0.5	0.5	1	2	2.5	5						0			FCJPP	2016	0145-0458		
Street	Flower	SW4771	NN66-10-1-2		NN66-10-1-2N	6	40	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Med OS joint(6', 10'), Mult Crack(12', 26', 32'), Size reduction to 4'(36')	Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Flower	SW4772	NN66-10-1-2		NN66-10-1-2NW		43	12	VCP	0.5	0.5	1	2	2.8	5.6	0					0	0	Hinge Fracture(19', 40'), Long Crack(15', 20', 26', 34'), Mult Crack(18'-32'), Line ends in Bulkhead at manhole	Abandon Line--Flowable fill with bulkhead at manhole	2016	0145-0458			
Street	Flower	SW4773	NN66-10-1-2		NN66-10-1-2W		40	12	VCP	0.5	0.5	1	2	1.7	3.4	0					0	0	Long Crack(6', 22'), Med OS joint(28'), Lt MD at joints(2', 37'), Line ends in Bulkhead at manhole	Abandon Line--Flowable fill with bulkhead at manhole	2016	0145-0458			
Street	Flower	SW4774	NN66-10-1-2	6.5	NN66-10-1-2SW		45	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Spiral crack(9'), Mult Crack(41'), Broken(43'), Lt MD at joints(30', 32')	Dig Mainline	2016	0145-0458			
Street	Fern	SW4775	NN66-10-2-2	6.5	NN66-10-2-2NE		33	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Circ. Crack(30'), Lt Roots at joints(23', 26', 29'), Hwy Roots at joint(22')	None	2016	0145-0458			
Street	Fern	SW4776	NN66-10-2-2	6.5	NN66-10-2-2NW		37	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Med OS joint(10'), Long Crack(21'), Broken(36'), Lt Roots at joints(8', 12', 36'), Survey abandoned(37')-Pipe collapsed	Dig Mainline, sent of DPW	2016	0145-0458			
Street	Fern	SW4777	NN66-10-2-2	6.5	NN66-10-2-2W		46	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(6', 10'-46'), Lt MD at select joints T/O, Line ends in bulkhead(46')-7'	Dig Mainline	2016	0145-0458			
Street	Fern	SW4778	NN66-10-2-2	6.5	NN66-10-2-2SW		56	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult. Cracks T/O	Dig Mainline	2016	0145-0458			
Street	Rosebud	SW4779	NN66-10-3-3	6.5	NN66-10-3-3N		40	12	VCP	0.5	0.5	1	2	1.9	3.8	0					0	0	Long. Crack(15', 19', 37'), Mult Crack(19')	None	2016	0145-0458			
Street	Rosebud	SW4780	NN66-10-3-3	6.5	NN66-10-3-3NW		48	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks(4', 16', 24', 28', 31')	Dig Mainline	2016	0145-0458			
Street	Rosebud	SW4781	NN66-10-3-3SW		NN66-10-3-3W		27	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(7', 10')	Dig Mainline	2016	0145-0458			
Street	Rosebud	SW4782	NN66-10-3-3	6.5	NN66-10-3-3sw		50	12	VCP	0.5	0.5	1	2	1.9	3.8	0					0	0	Med OS joint(17', 19'), Long. Crack(19', 22', 36'), Mult crack(20'), Lt MD at select joints T/O,	None	2016	0145-0458			
Street	Phlox	SW4783	NN66-10-4-3	6.7	NN66-10-4-3NE		43	12	VCP	0.5	0.5	1	2	3.3	6.6	0					0	0	Mult Crack(3', 13', 17', 25'), Broken(11'), Hole w/ soil visible(38')	Dig Mainline	2016	0145-0458			
Street	Phlox	SW4784	NN66-10-4-3		NN66-10-4-3NW		43	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(13', 25', 31', 34'), Hole with void visible(16')	Dig Mainline	2016	0145-0458			
Street	Flower	SW4785	NN66-10-4-3SW	3.5	NN66-10-4-3W		27	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(22'), Lt Roots at joint(18')	None	2016	0145-0458			
Street	Phlox	SW4786	NN66-10-4-3	6.7	NN66-10-4-3SW		49	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult. Crack(8'-23', 33')	Dig Mainline	2016	0145-0458			
Street	Grove	SW4787	NN66-11-3		NN66-11-3N		10	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(1'), Mult Crack(2', 4'), Size reduction to 8"(8")	Dig Mainline	2016	0145-0458			
Street	Grove	SW4788	NN66-11-4	6	NN66-11-4N		39	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult. Crack(2', 7'-13', 16'-39'), Broken(2'), Partial Bulkhead at US MH	Dig Mainline	2016	0145-0458			
Street	Flower	SW4789	NN66-10-1-4	6	NN66-10-1-4NE		39	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Pipe reduction to 4"(37')	Dig Mainline	2016	0145-0458			
Street	Flower	SW4790	NN66-10-1-4NW		NN66-10-1-4NE		29	12	VCP	0.5	0.5	1	2	2.8	5.6	0					0	0	Med OS joint(5', 8'), Mult Crack(18'), Broken and hole(29'), Survey abandoned(29')-Bulkhead	Abandon Line--Flowable fill with bulkhead at manhole	2016	0145-0458			
Street	Flower	SW4791	NN66-10-1-4SW	3	NN66-10-1-4W		27	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt MD at joints(11', 14', 17')	None	2016	0145-0458			
Street	Flower	SW4792	NN66-10-1-4	6.5	NN66-10-1-4SW		52	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(10', 13', 28', 40'), Hinge Fracture(15'), Broken(19'), Mult Crack(37'-4'), Size reduction to 4"(49")	Dig Mainline	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Flower	SW4793	NN66-10-1-3		NN66-10-1-3NE		64	12	VCP	0.5	0.5	1	2	3.1	6.2	0					0	0	Mult Crack(4', 6'; 12'-64'), Hinge Fracture(29', 31'-43')	FCI/PP	2016	0145-0458		
Street	Flower	SW4794	NN66-10-1-3NE	4.5	NN66-10-1-3NW	4	34	10	RCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(21', 30'), Large OS joint(21'), Settled deposits(24')	Dig Mainline	2016	0145-0458		
Street	Flower	SW4795	NN66-10-1-5E	3.5	NN66-10-1-5W		34	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(4', 18'), Lt Roots at joints(4', 7', 10'), Lt MD at joints(7', 22'), Pipe reduction to 8'(22')	None	2016	0145-0458		
Street	Flower	SW4796	NN66-10-1-6	3.5	NN66-10-1-6NW		19	10	VCP	0.5	0.5	1	2	2	4	0					0	0	Long Crack(8', 16'), Lt MD at joints(4', 10', 14')	None	2016	0145-0458		
Street	Grove	SW4797	NN66-11-5		NN66-11-5N		11	10	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Spiral Crack(3'), Mult Crack(4'), Lt Roots at joints(4')	None	2016	0145-0458		
Street	Grove	SW4799	NN66-11-1	5.5	NN66-11-1N		14	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(4', 7'), Lt MD at joint(3'), Size reduction to 4"(9")	Dig Mainline	2016	0145-0458		
STREET	STEPHENS	SW4800	NN66-10-1A	6	NN66-10-1AN		17.8	12	CMP	0.5	0.5	1	2	1	2						0		NO DEFECTS OBSERVED	NONE	2016	0145-0458		
Street	Flower	SW4801	NN66-10-1AN	3	NN66-10-1ANW		26	12	CMP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Flower	SW4802	NN66-10-1-1	5.5	NN66-10-1-W		21	12	VCP	0.5	0.5	1	2	2.4	4.8	0					0	0	Mult. Crack(6', 12'), Long. Crack(10', 12'), Survey abandoned(21')-Bulkhead	None	2016	0145-0458		
Street	Flower	SW4803	NN66-10-1-1	5	NN66-10-1-1N		12	10	PVC	0.5	0.5	1	2	1.1	2.2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Fern	SW4804	NN66-10-2-1	4.5	NN66-10-2-15		21	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Large OS joint(15'), Mult Crack(15')	None	2016	0145-0458		
Street	Rosetta	SW4805	NN66-10-2-1SW		NN66-10-2-1		159	12	VCP	0.5	0.5	1	2	4	8						0			FCI/PP	2016	0145-0458		
Street	Rosebud	SW4806	NN66-10-2N	5	NN66-10-2NNW		28	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Rosebud	SW4807	NN66-10-3NNW		NN66-10-3N		28	12	PVC	0.5	0.5	1	2	2	4	0					0	0	Sagi(23')	None	2016	0145-0458		
Street	Rosebud	SW4808	NN66-10-3-1	6	NN66-10-3-1NW		28	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long Crack(8', 18'), Large OS joint(23'), Lt Roots at joints(6', 8')	None	2016	0145-0458		
Street	Rosebud	SW4809	NN66-10-3-1	5.5	NN66-10-3-1N		12	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(9'), Med Roots at joint(10')	None	2016	0145-0458		
Street	Rosebud	SW4810	NN66-10-3-2	5	NN66-10-3-2N		13	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(11')	None	2016	0145-0458		
Street	Phlox	SW4811	NN66-10-4NNW	4.7	NN66-10-4NE		26	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Phlox	SW4812	NN66-10-4-1	5.5	NN66-10-4-1SW		53	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult. Crack(43'), Lt Roots at joints T/O	Dig Mainline	2016	0145-0458		
Street	Phlox	SW4813	NN42-17-5-4N	4	NN42-17-5-4NW		28	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Phlox	SW4814	NN66-10-4-3	6	NN66-10-4-3SE		31	12	VCP	0.5	0.5	1	2	1.5	3	0					0	0	Long. Crack(11'), Med OS joint(26'), Right Turn(20', 23')	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Phlox	SW4815	NN42-21-5	5.5	NN42-21-5W		26	12	RCP	0.5	0.5	1	2	1	2	0				0	0				None	2016	0145-0458		
Street	Grove	SW4835	NN66-11-4SE	3.5	NN66-11-4NE		28	10	VCP	0.5	0.5	1	2	1.3	2.6	0				0	0	Med OS joint(4', 19'), Long Crack(16')			None	2016	0145-0458		
Street	Grove	SW4836	NN66-11-4	7	NN66-11-4SE		32	10	VCP	0.5	0.5	1	2	3.3	6.6	0				0	0	Long Crack(4'), Mult. Crack(12', 18'), Hole with Void(26'), Size reduction to 4'(30')		Dig Mainline	2016	0145-0458			
Street	Forest	SW4837	NN66-11-2SE	3.5	NN66-11-2NE		28	10	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Mult. Crack(3', 19'), Long Crack(11', 17')			None	2016	0145-0458		
Street	Grove	SW4838	NN66-11-2	5	NN66-11-2SE		31	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult. Crack(3'-24'), Size reduction to 4"(27")		Dig Mainline	2016	0145-0458			
Street	Grove	SW4839	NN66-11-2	7	NN66-11-2S		86	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult. Cracks T/O, Size reduction to 4"(83")		Dig Mainline (83'-86') PC/PP	2016	0145-0458			
Street	Flower	SW4840	NN66-10-1-2SE	3.5	NN66-10-1-2NE		3	28	VCP	0.5	0.5	1	2	2.7	5.4	0				0	0	Mult. Crack(9', 14'), Spiral Crack(26'), Lt MD on pipe(5'-18', 22")			None	2016	0145-0458		
Street	Flower	SW4841	NN66-10-1-2		NN66-10-1-2SE		31	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult. Cracks T/O, Spiral Crack(24'), Size reduction to 4"(28")		Dig Mainline	2016	0145-0458			
STREET	STEPHENS	SW4842	NN66-10-1A	6	NN66-10-1AW		54.6	12	CMP	0.5	0.5	1	2	1	2				0		NO DEFECTS OBSERVED		NONE	2016	0145-0458				
Street	Phlox	SW4843	NN42-26-5W		NN42-26-5NW		33	12	VCP	0.5	0.5	1	2	1.4	2.8	0			0	0	Med OS joint(9', 15', 18', 21'), Long Crack(22')			None	2016	0145-0458			
Street	Flower	SW4844	NN66-10-1-5	7.5	NN66-10-1-5E		7	12	VCP	0.5	0.5	1	2	1	2	0			0	0	Brick missing(4')			None	2016	0145-0458			
Street	Rosebud	SW4845	NN66-10-3-4W	4	NN66-10-3-4NW		34	12	VCP	0.5	0.5	1	2	2	4	0			0	0	Lt MD at joint(22'), Spoon stuck in joint(25')			None	2016	0145-0458			
Street	Rosebud	SW4846	NN66-10-3-4	6.5	NN66-10-3-4W		44	12	VCP	0.5	0.5	1	2	3	6	0			0	0	Mult. Crack(4', 16', 25'), Deformed(5'), Hinge Fracture(7'), Hole with soil visible at size reduction to 10"(27")		Dig Mainline	2016	0145-0458				
Street	Rosebud	SW4847	NN66-10-3-4SW		BLIND TAP		32	10	VCP	0.5	0.5	1	2	1	2	0			0	0	Med OS joint(23', 27')			None	2016	0145-0458			
Street	Rosebud	SW4848	NN66-10-3-4	6	NN66-10-3-4SE		49	12	VCP	0.5	0.5	1	2	1.6	3.2	3			3	0	Med OS joint(11', 23', 42', 45'), Long Crack(25', 33'), Mult Crack(30')			None	2016	0145-0458			
Street	Rosebud	SW4849	NN66-10-3-4	6	NN66-10-3-4E		34	12	VCP	0.5	0.5	1	2	2.3	4.6	0			0	0	Spalling(4', 10', 20'), Mult Crack(13')			None	2016	0145-0458			
Street	Rosebud	SW4850	NN66-10-3-2	6	NN66-10-3-2SW		86	12	VCP	0.5	0.5	1	2	2	4	0			0	0	Med OS joint(6', 24'-61', 81'), Long Crack(9', 15', 3149', 64', 73'), Mult Crack(54', 84'), Surface missing(40')			None	2016	0145-0458			
Street	Fern	SW4851	NN66-10-2-2SE	3.5	NN66-10-2-E		28	12	VCP	0.5	0.5	1	2	1.7	3.4	0			0	0	Med OS joint(8', 10'), Mult Crack(22'), Lt to Med Roots at joints(8', 14', 17', 21')			None	2016	0145-0458			
Street	Fern	SW4852	NN66-10-2-2	5.5	NN66-10-2-2SE		32	12	VCP	0.5	0.5	1	2	3	6	0			0	0	Mult. Cracks(4', 6'-32'), Lt Roots at joints(4', 6')		Dig Mainline	2016	0145-0458				
Street	Rosebud	SW4853	NN66-10-3-3	5.5	NN66-10-3-3E		32	12	VCP	0.5	0.5	1	2	1.3	2.6	0			0	0	Med OS joint(12', 22'), Long Crack(24'), Lt MD at joint(27')			None	2016	0145-0458			
Street	Rosebud	SW4854	NN66-10-3-3	6.5	NN66-10-3-3SE		32	12	VCP	0.5	0.5	1	2	1	2	0			0	0	Med OS joints(16', 18')			None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
STREET	STEPHENS	SW4855	NN66-10-3	17	NN66-10-3N		47.7	12	CMP	0.5	1	1	2.5	1	2.5										PVC TRAP AT CB	NONE	2016	0145-0458		
Street	Phlox	SW4973	NN66-10-4-1		NN66-10-4-1SE		23	12	VCP	0.5	0.5	1	2	2	4	0					0	0			Large OS joint(1'), Lt Roots at joints(2), Lt MD at joints(5'), Survey abandoned(8')-bend in line, Reverse-Lt Roots at joints(14'), Survey abandoned(15')-point of previous progress	None	2016	0145-0458		
Street	Phlox	SW4974	NN42-17-5-4	6	NN42-17-5-4N		39	10	PVC	0.5	0.5	1	2	1	2	0					0	0			Lt MD at joints(7-39')	None	2016	0145-0458		
Street	Wilson	SW4975	NN42-17-5-1		NN42-17-5-1SW		29	12	VCP	0.5	0.5	1	2	2	4	0					0	0			Sag(6'), Long. Crack(10', 20'), Hinge Fracture(27')	None	2016	0145-0458		
Street	Wilson	SW4976	NN42-17-5-1		NN42-17-5-1NW		37	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0			Long. Crack(13', 20', 25', 28'), Large OS joint(32', 34')	None	2016	0145-0458		
Street	Wilson	SW4977	NN42-17-4		NN42-17-4E		27	12	VCP	0.5	0.5	1	2	1.8	3.6	0					0	0			Large OS joint(22'), Alignment up(22')	None	2016	0145-0458		
Street	Wilson	SW4978	NN42-17-4		NN42-17-4NE		35	12	VCP	0.5	0.5	1	2	2.4	4.8	0					0	0			Spalling(11'), Med OS joint(9'), Long. Crack(29'), Wall Missing(30')	None	2016	0145-0458		
Street	Forest	SW4979	NN42-17D		NN42-17DW		18	12	VCP	0.5	0.5	1	2	1	2	0					0	0			Med OS joint(14')	None	2016	0145-0458		
Street	Forest	SW4980	NN42-17D	6	NN42-17DNW		30	12	VCP	0.5	0.5	1	2	5	10	0					0	0			Broken(23')	Dig Mainline	2016	0145-0458		
Street	Forest	SW4981	NN42-17B	5	NN42-17BW		17	10	VCP	0.5	0.5	1	2	1	2	0					0	0			Alignment down(12')	None	2016	0145-0458		
Street	Forest	SW4982	NN42-17B	5	NN42-17BNW		32	10	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0			Mult Crack(6'), Long. Crack(9', 12', 21')	None	2016	0145-0458		
Street	Forest	SW4983	NN42-17A	5.5	NN42-17ASW		14	12	VCP	0.5	0.5	1	2	2	4	0					0	0			Long. Crack(10')	None	2016	0145-0458		
Street	Forest	SW4984	NN42-17A	5.5	NN42-17ANW		24	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0			Long. Crack(11', 13', 15', 18'), Mult. Crack(22')	None	2016	0145-0458		
Street	Phlox	SW4985	NN42-17-5-4S		NN42-17-5-4	5	32	12	RCP	0.5	0.5	1	2	1	2	0					0	0			No defects observed	None	2016	0145-0458		
Street	Wilson	SW4986	NN42-17-5-3A	5.5	NN42-17-5-3ANW		21	12	PVC	0.5	0.5	1	2	1	2	0					0	0			No defects observed	None	2016	0145-0458		
Street	Wilson	SW4987	NN42-17-5-3A	5	NN42-17-5-3ASE		7	12	RCP	0.5	0.5	1	2	1	2	0					0	0			No defects observed	None	2016	0145-0458		
Street	Wilson	SW4990	NN42-17-5-2		NN42-17-5-2SW		77	12	VCP	0.5	0.5	1	2	1.6	3.2	1				1	0			Med OS joint(10', 14', 42', 57', 71'), Long. Crack(30', 36', 54', 74')	None	2016	0145-0458			
Street	Manchester	SW4992	NN42-30-2A	4.1	NN42-30-2ANW		16	12	VCP	0.5	0.5	1	2	2	4	0					0	0			Long. Crack(10')	None	2016	0145-0458		
Street	Dodge	SW4993	NN42-30-2ANNW	4.5	NN42-30-2ANNE		24	12	VCP	0.5	0.5	1	2	1	2	1				1	0			Li MD at joints(3')	None	2016	0145-0458			
Street	Manchester	SW4994	NN42-30-2ANNW	6	NN42-30-2A		32	12	VCP	0.5	0.5	1	2	1	2	0				0	0			Settled gravel(23')	None	2016	0145-0458			
Street	Phlox	SW4995	NN42-21-5-1SE		NN42-21-5-1E	3.5	30	12	RCP	0.5	0.5	1	2	1	2	0				0	0			Li MD at joint(17')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Phlox	SW4996	NN42-21-5	6.5	NN42-21-5-1SE		28	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Ash	SW5039	NS2-9-3A	4	NS2-9-3SW		4	8	PVC	0.5	0.5	1	2	1	2	0					0	0	Line ends in bulkhead(2')	None	2016	0145-0458		
STREET	REIN	SW5143	NN42-6-1N	5.5	NN42-6-1NW		26.5	12	RCP	0.5	0.5	1	2	1	2						0		NO CALLOUTS MADE/NO VIDEO REVIEWED	NONE	2016	0145-0458		
STREET	STEPHENS	SW5144	NN42-6-2NW	5.5	NN42-6-2N		34.5	12	RCP	0.5	0.5	1	2	1	2						0		NO DEFECTS OBSERVED. NOTE IN US CB THERE IS UNDOCUMENTED LINE RUNNING SE	NONE	2016	0145-0458		
Street	Melrose	SW5145	NN42-6-3N	3	NN42-6-3NW		36	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Settled deposits(32'), Compacted deposits(34')	None	2016	0145-0458		
Street	Wilson	SW5152	NN42-9N		NN42-9NW		28	12	RCP	0.5	0.5	1	2	2.5	5	0					0	0	Sag T/O, Long Crack(10', 13', 18', 21')	None	2016	0145-0458		
Street	Rein	SW5154	NN42-6-1AN		NN42-6-1ANW		29	10	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Long Crack(15'), Mult crack(18', 21'), Lt MD at joints(19', 20', 22', 23')	None	2016	0145-0458		
Street	Wilson	SW5156	NN42-9-2		NN42-9-2NW		8	12	VCP	0.5	0.5	1	2	5	10	0					0	0	Broken pipe(5')	Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW5157	NN42-6-2AN	4	NN42-6-2ANW		27	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long Crack(8'), Mult Crack(15', 24'), Hinge Crack(17'), Med Roots at joints(20', 23')	Dig Mainline	2016	0145-0458		
Street	Shakespeare	SW5158	NN42-6-2A	4	NN42-6-2AN		24	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long Crack(7', 18'), Mult Crack(8', 11', 15'), Lt Roots at joints(8', 11', 17', 20'), Sze reduction to 4"(22')	Dig Mainline	2016	0145-0458		
Street	Wilson	SW5159	NN42-9-3SW		NN42-9-3NW		11	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Med Roots in line(5', 9') Survey abandoned(11')- Roots	None	2016	0145-0458		
Street	Wilson	SW5160	NN42-9-3	4.2	NN42-9-3SW		10	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Size reduction to 4"(7')	Dig Mainline	2016	0145-0458		
Street	Forest	SW5161	NN29-9-0-4W		NN29-9-0-4NW		29	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Long Crack(7', 8'), Mult Crack(11', 12'), Lt Roots at joints(4', 11', 17', 20')	None	2016	0145-0458		
Street	Forest	SW5162	NN29-9-0-3W		NN29-9-0-3NW		27	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(5-27') Lt MD at joint(17'), Med Roots at joint(20')	Dig Mainline	2016	0145-0458		
Street	Forest	SW5163	NN29-9-0-3	4	NN29-9-0-3W		34	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Long Crack(22'), Mult Crack(24', 27'), Med OS joint(29'), Lt Roots at joints(11', 16', 20'), Pipe reduction to 4"(32')	None	2016	0145-0458		
Street	Cushing	SW5164	NN42-11W	3.6	NN42-11NW		27	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joints T/O	None	2016	0145-0458		
Street	Cushing	SW5165	NN42-11S		NN42-11SW		27	12	RCP	0.5	0.5	1	2	1.9	3.8	0					0	0	Long Crack(13', 14', 16', 20'), Circ Crack(14', 21', 25')	None	2016	0145-0458		
Street	Cushing	SW5166	NN42-11N		NN42-11NNW		27	12	RCP	0.5	0.5	1	2	3.2	6.4	0					0	0	Circ. Fracture(5), Lt H2S damage T/O	Dig Mainline	2016	0145-0458		
Street	Forest	SW5167	NN29-9-0-5		NN29-9-0-5W		24	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(8'), Survey abandoned(24')-Brick, Can't perform reverse due to reducer at upstream end	Dig Mainline	2016	0145-0458		
Street	Forest	SW5168	NN29-9-0-5	4	NN29-9-0-5NW		45	12	VCP	0.5	0.5	1	2	2.1	4.2	0					0	0	Mult Crack(5'), Med OS joints(20'-45'), Long Crack(22', 29'), Hinge Fracture(37'), Large OS joint(42'), Size reduction to 4"(43')	None	2016	0145-0458		
Street	Melrose	SW5169	NN42-6-3-1N	3.5	NN42-6-3-1NW		27	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long Crack(11'), Mult Crack(22'), Lt Roots at joints(5', 8', 11', 18')	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped					
Street	Melrose	SW5170	NN42-6-3-1		NN42-6-3-1N		48	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(9'), Hinge Fracture(19', 23', 25'), Med OS joint(31'-48'), Size reduction to 4"(45')	Dig Mainline	2016	0145-0458		
Street	Melrose	SW5171	NN42-6-3-1	4.5	NN42-6-3-1SW		32	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Med OS joint(19', 28')	Dig Mainline	2016	0145-0458		
Street	May	SW5172	NN42-13-1-5	4	NN42-13-1-5N		34	10	RCP	0.5	0.5	1	2	2.5	5	0					0	0	Li H2S damage T/O, Long. Fracture(25'), Lt Roots at joints(13'-34'), Survey abandoned(34')-Hvy Roots	None	2016	0145-0458		
Street	May	SW5173	NN42-13-1-5NW	4	BLIND TAP		4	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Survey abandoned(4')-bend in line	None	2016	0145-0458		
Street	Cushing	SW5174	NN42-13-2		NN42-13-2W		59	12	VCP	0.5	0.5	1	2	1.2	2.4	0					0	0	Med OS joint(9'-35', 45', 48'), Spiral Crack(36')	None	2016	0145-0458		
Street	Cushing	SW5175	NN42-13-2	4	NN42-13-2SW		34	12	VCP	0.5	0.5	1	2	1.4	2.8	0					0	0	Spiral Crack(8', 27'), Med OS joints(8'-34'), Long. Crack(15'), Circ. Crack(32')	None	2016	0145-0458		
Street	Cushing	SW5176	NN42-13-2W		NN42-13-2NW	3	29	12	VCP	0.5	0.5	1	2	3.33	6.66	0					0	0	Hinge Fracture(16', 28')	Dig Mainline	2016	0145-0458		
Street	Cushing	SW5177	NN42-13-2	4	NN42-13-2NNW		61	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(14', 18', 36', 40', 42', 47'), Hinge Fracture(19', 22', 24'), Mult Crack(53')	Dig Mainline	2016	0145-0458		
Street	Hauss	SW5178	NN42-13-2-1		NN42-13-2-1W		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(10'), Mult Crack(16', 22'), Mult Fracture(24'), Circ. Fracture(26'), Pipe size reduction to 4" with backflow preventer(26')	Dig Mainline	2016	0145-0458		
Street	Hauss	SW5179	NN42-13-2-1W	3.6	NN42-13-2-1NW		29	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Fracture(6'), Mult Crack(7'-29'), Med OS joint(9', 21'), Settled deposit(11', 17')	Dig Mainline	2016	0145-0458		
Street	Saxony	SW5185	NN29-11-4	4.4	NN29-11-4NW		46	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Hinge Fracture(10'-19'), Deformed(12', 15'), Med OS joint(38'), Lt Roots at joint(6'), Lt MD at joints(22', 24')	Dig Mainline	2016	0145-0458		
Street	Saxony	SW5186	NN29-11-3		NN29-11-3SW		29	12	VCP	0.5	0.5	1	2	3.2	6.4	0					0	0	Spiral Fracture(2'), Mult Crack(8', 19'), Long. Crack(18'), Hinge Fracture(18'), Lt MD at joints(14', 16', 18')	Dig Mainline	2016	0145-0458		
Street	Saxony	SW5187	NN29-11-3	4	NN29-11-3S		17	12	PVC	0.5	0.5	1	2	1	2	1				1	0	Pipe size reduction to 10"(7")	None	2016	0145-0458			
Street	Lambrecht	SW5188	NN29-9-1-4SW		NN29-9-1-4W		27	12	VCP	0.5	0.5	1	2	1.7	3.4	0				0	0	Long. Crack(13'), Med OS joint(22'), Lt MD at joints(17', 18')	None	2016	0145-0458			
Street	Saxony	SW5189	NN29-11-2	5	NN29-11-2N		38	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Long. Crack(13', 19', 17', 19', 21', 23', 30'), Hole with void visible(30'), Med OS joint(28'-34'), Obstacle in joint(30')	Dig Mainline	2016	0145-0458			
Street	Saxony	SW5190	NN29-11-2		NN29-11-2NN	4	49	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Large OS joint(5'), Spiral Crack(0'), Long. Crack(26'-35', 45'), Lt Roots at joint(9', 11', 15'), Lt MD at joints(24', 42')	None	2016	0145-0458			
Street	Saxony	SW5191	NN29-11-2SW	3	NN29-11-2NW		28	12	VCP	0.5	0.5	1	2	1.7	3.4	0				0	0	Long. Crack(16', 17'), Med OS joint(22'), Lt MD at joints(4'-28')	None	2016	0145-0458			
Street	Saxony	SW5192	NN29-11-2SW	3.4	NN29-11-2		64	12	VCP	0.5	0.5	1	2	4	8	0				0	0	Long. Crack(12', 40'), Mult Fracture(22'), Hinge Fracture(23'-51', 55', 56'), Broken(60'), Hole(81')	Dig Mainline (59'-64')-sketch and report sent to city FGPP	2016	0145-0458			
Street	Dwight	SW5194	NN29-13-8	4	NN29-13-8S		52	10	VCP	0.5	0.5	1	2	2.6	5.2	2				2	0	Long. Cracks T/O, Lt H2S damage T/O, Med OS joint(45')	None	2016	0145-0458			
Street	Dwight	SW5196	NN29-13-2		NN29-13-2S		12	10	PVC	0.5	0.5	1	2	2	4	1				1	0	Long. Crack(10')	None	2016	0145-0458			
Street	Dwight	SW5197	NN29-13-2		NN29-13-2SW		4	10	VCP	0.5	0.5	1	2	1	2	0				0	0	Survey abandoned(4')-Bend in line	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Dwight	SW5198	NN29-13-2-4	4.5	NN29-13-2-4W		60	10	RCP	0.5	0.5	1	2	3	6	1					1	0	Long. Cracks T/O, Hinge Fractures T/O, Lt H2S damage T/O	Dig Mainline	2016	0145-0458		
Street	Dwight	SW5199	Blind Tap		NN29-13-2-4NW	3.5	34	10	RCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Lt H2S damage T/O, Long. Crack(21', 27', 31'), Mult Crack(33')	None	2016	0145-0458		
Street	Dwight	SW5200	NN29-13-12	4	NN29-13-12S		23	10	RCP	0.5	0.5	1	2	1.7	3.4	0					0	0	Circ. Crack(6'), Long. Crack(7', 12')	None	2016	0145-0458		
Street	Dwight	SW5201	NN29-13-12N		NN29-13-12		5	10	VCP	0.5	0.5	1	2	2	4	0					0	0	Spiral crack(2'), Long. Crack(2')	None	2016	0145-0458		
Street	Dwight	SW5202	NN-29-13	4	NN29-13S		22	12	RCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Spiral Crack(8'), Lt H2S damage(10'), Circ. Fracture(14'), Brick(21')	None	2016	0145-0458		
Street	Bell	SW5203	NN29-11	3.8	NN29-11NW		47	12	VCP	0.5	0.5	1	2	2.1	4.2	1					1	0	Long. Crack(8', 39', 42'), Multi Crack(30'), Med OS joint(38', 44'), Multi Fracture(46')	None	2016	0145-0458		
Street	Saxony	SW5204	NN29-11-1A		NN29-11-1AW		30	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(8', 10', 12', 14', 20', 22', 24', 26'), Multi Crack(18', 22'), Hole with void(25')	Dig Mainline	2016	0145-0458		
Street	Bell	SW5205	NN29-11SW	3	Blind Tap		33	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Spiral Crack(5', 14', 29'), Deformed(20', 23')	Dig Mainline	2016	0145-0458		
Street	Bell	SW5206	NN29-10	4.2	NN29-10NE		115	12	VCP	0.5	0.5	1	2	3	6	1					1	0	Long. And Multi. Cracks T/O, Lt MD at joints T/O, Size reduction to 10'(11')	Dig Mainline (113'-115') FCJPP	2016	0145-0458		
Street	Bell	SW5207	NN29-10SE		Blind Tap		35	12	RCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Long. Crack(7', 11', 13', 17', 19', 25', 28', 34'), Hinge Fracture(8', 30')	None	2016	0145-0458		
Street	Forest	SW5208	NN29-9W		NN29-9NW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Multi. Long. And Spiral Cracks T/O, Lt MD at joints(5'-14')	Dig Mainline	2016	0145-0458		
Street	Lambrecht	SW5209	NN29-8SE		NN29-8NE		50	8	VCP	0.5	0.5	1	2	3	6	0					0	0	Sag(26')	Dig Mainline	2016	0145-0458		
Street	Wilson	SW5210	NN29-8-1S		NN29-8-1N		27	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Multi. Cracks T/O	Dig Mainline	2016	0145-0458		
Street	Wilson	SW5211	NN29-8-1		NN29-8-1S		29	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Spiral Crack(6', Long. Crack(14', 20', 22'), Multi crack(26'), Lt MD at joints T/O, Size reduction to 4'(28'))	None	2016	0145-0458		
Street	Wilson	SW5212	NN29-8-2S	3	NN29-8-2E		29	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Med OS joint(8'), Multi Crack(8'-29'), Long. Crack(11'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Wilson	SW5213	NN29-8-2	6	NN29-8-2S		37	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Spiral Crack(8', 15'), Long. Crack(7', 29'), Multi Crack(28', 32', 34'), Lt MD at joints T/O, Size reduction to 4'(35')	Dig Mainline	2016	0145-0458		
Street	Wilson	SW5214	NN29-8-3		NN29-9SE		31	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Multi. Crack(5', 7'-31'), Lt MD at joints(14', 20'), Size reduction to 4'(28')	Dig Mainline	2016	0145-0458		
Street	Wilson	SW5215	NN29-8-3	4	NN42-9N		22	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Size reduction to 4'(20')	None	2016	0145-0458		
Street	Forest	SW5217	NN29-9-0-1A		NN29-9-0-1ANE		13	10	PVC	0.5	0.5	1	2	1	2	0					0	0	Backflow preventer installed (11')	None	2016	0145-0458		
Street	Forest	SW5218	NN29-9-0-1		NN29-9-0-1W		22	12	VCP	0.5	0.5	1	2	1.3	2.6	0					0	0	Large OS joint(20'), Med OS joint(17'), Lt Roots at joints(5', 7', 11', 20'), Pipe reduction to 4'(21')	None	2016	0145-0458		
Street	Forest	SW5219	NN29-9-0-1		NN29-9-0-1NW		45	12	VCP	0.5	0.5	1	2	4.1	8.2	0					0	0	Hinge Fracture(2', 22', 27'-48'), Multi. Crack(14'), Deformed(38')	Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	In Service	Capped					
Street	Forest	SW5220	NN42-11		NN42-11S		25	12	RCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. Crack(8'), Rebar visible(16'), Pipe size reduction to 4"(21')	None	2016	0145-0458		
Street	Forest	SW5221	NN42-11		NN42-11N	4	50	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(9'-19'), LH2S damage T/O, Spiral Crack(24'-48'), Pipe reduction to 4"(49')	Dig Mainline	2016	0145-0458		
Street	Forest	SW5222	NN29-9-0AE		NN29-9-0A	4	11	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult crack(4'-11'), Mortar in line(9')	Dig Mainline	2016	0145-0458		
Street	Forest	SW5223	NN29-9-0	4	NN29-9-0W		9	12	PVC	0.5	0.5	1	2	1	2	0					0	0	Backflow preventer installed (8')	None	2016	0145-0458		
Street	Forest	SW5224	NN29-9-0	4	NN29-9-0N		20	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Mult Crack(13', 15'), Long. Crack(15'), Hinge Fracture(19'), Line ends in Bulkhead	None	2016	0145-0458		
Street	Beaconsfield	SW5371	B4-2-1		B4-2-2		304	24	RCP	0.8	0.5	1	2.3	1	2.3	1		1		2	0	Lt Roots at joints(79'-105', 217', 222', 230')	None	2016	0145-0458			
Street	Collinson	SW5377	NS59-9-1-8		NS59-9-1-8A		129	12	RCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Long. Cracks T/O, Hinge Posture(24'-61'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Sprenger	SW5386	NS6-13-16-1NW	4.5	BLIND TAP		35	10	RCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joints T/O	None	2016	0145-0458		
Street	Sprenger	SW5387	NS6-13-16-1SW		NS6-13-16		466	10	RCP	0.5	0.5	1	2	1	2	3				3	0	Lt Roots and Lt MD at joints T/O	None	2016	0145-0458			
STREET	9 MILE	SW5389	N21SE		N19A	25	91.2	12	RCP	0.5	1	1	2.5	1	2.5					0		DEPOSITS @ 19', 86' OFFSET JOINTS FROM 25' 78'; TRAP AT CB	NONE	2016	0145-0458			
STREET	9 MILE	SW5390	N16S-S		N16A		42.5	12	RCP	0.5	1	1	2.5	2	5								LONGITUDINAL CRACKS @ 18', 21' MULTIPLE CRACKS @ 37'; OFFSET JOINT @ 39'	NONE	2016	0145-0458		
STREET	9 MILE	SW5391	N15A	4.5	N16		93.8	12	RCP	0.5	1	1	2.5	1	2.5								NOTE, MH NUMBER WAS CHANGED ON REPORT. CIRCULAR CRACK @ 34'	NONE	2016	0145-0458		
STREET	9 MILE	SW5392	N8A1	4	N8A		54.8	12	RCP	0.5	1	1	2.5	3	7.5					0		CL @ 12', 33', 41'; JOM @ 45'; FM @ 51'; DAE @ 48'; MMC @ 51' (VCP)	DIG UP AND REPLACE LAST 3' OF PIPE	2016	0145-0458			
STREET	9 MILE	SW5393	N9A-1	4	N9A-1S		38.8	12	RCP	0.5	1	1	2.5	1	2.5					0		JOM @ 12', 15', 30'; ID @ 33'; DAE @ 36'	NONE	2016	0145-0458			
STREET	9 MILE	SW5394	N12SSE		N12SE	4	37.9	12	RCP	0.5	1	1	2.5	2	5					0		CL @ 36'	NONE	2016	0145-0458			
Street	Almond	SW5398	NS6-1-2AN	7.5	NS6-1-2ANW		28	12	VCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Holland	SW5399	NS6-1-2A	7	NS6-1-2AW		51	12	VCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Holland	SW5400	NS6-1-2A	7	NS6-1-2ASW		63	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Med OS joint(18', 56'), Hole(54', 55', 56')	None	2016	0145-0458			
STREET	9 MILE	SW5402	N2AS	4	N2A		52.1	12	RCP	0.5	1	1	2.5	1	2.5					0		JAMILLDAE @ 24'	NONE	2016	0145-0458			
STREET	9 MILE	SW5404	N5-SSW		N5-SW		37.5	12	RCP	0.5	1	1	2.5	1	2.5					0		JOM @ 11'	NONE	2016	0145-0458			
Street	Almond	SW5405	NS6-1-2A	7	NS6-1-2ANE		13	12	VCP	0.5	0.5	1	2	1	2	1				1	0	Size reduces to 10'(11')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Almond	SW5406	NS6-1-2A	7	NS6-1-2AN		38	12	VCP	0.5	0.5	1	2	1	2	2						2	0	No defects observed	None	2016	0145-0458			
Street	Holland	SW5407	NS6-1-2ASE	3	BLIND TAP		26	12	VCP	0.5	0.5	1	2	3	6	0						0	0	Mult Crack(25')	Dig Mainline	2016	0145-0458			
Street	Alley West of Kelly	SW5408	NS6-3NE		NS6-3E		21	12	VCP	0.5	0.5	1	2	1	2	0						0	0	No defects observed	None	2016	0145-0458			
Street	Alley West of Kelly	SW5409	NS6-3NE	3.5	NS6-3		15	12	RCP	0.5	0.5	1	2	2	4	0						0	0	Long. Crack(13')	None	2016	0145-0458			
STREET	9 MILE	SW5411	NN1-1AS	4	NN1-1A		80.4	12	RCP	0.5	1	1	2.5	2	5							0	LARGE OFFSET JOINT/HOLE VISIBLE @ 2'; LIFT HOLES THROUGHOUT, APPEAR TO BE PLUGGED; DEPOSITS THROUGHOUT LINE			2016	0145-0458			
Street	Hayes	SW5413	NN70-1-4AN		NN70-1-4A		8	12	RCP	0.5	1	1	2.5	1	2.5							0			None	2016	0145-0458			
Street	Dale	SW5414	NN66-9A	10	NN66-13ANE		165	12	VCP	0.5	0.5	1	2	1.8	3.6	1						1	0	Med OS joints T/O, Long. Crack(24'), Mult. Crack(34'), Lt MD at joint(14')	None	2016	0145-0458			
Street	Liscomb	SW5415	NN58-5	5	NN58-5S		8	12	VCP	0.5	0.5	1	2	1	2	0						0	0	Lt Roots at joint(5')	None	2016	0145-0458			
STREET	STEPHENS	SW5421	NN42-6-3	8.5	NN42-6-3N		44.2	12	RCP	0.5	1	1	2.5	1	2.5							0	OFFSET JOINT @ 33'	NONE		2016	0145-0458			
Street	Rein	SW5422	NN47-3		NN47-3N		14	12	VCP	0.5	0.5	1	2	1	2							0					2016	0145-0458		
Street	Rein	SW5423	NN47-3	5.8	NN47-3NW		33	12	VCP	0.5	0.5	1	2	1.5	3	0						0	0	Med OS Joints(9', 17', 21'), Long. Crack(15', 21'), Lt Roots at joint(15')	None	2016	0145-0458			
Street	Firwood	SW5424	NN73-5N		NN73-5		42	12	RCP	0.5	0.5	1	2	2	4							0			None	2016	0145-0458			
STREET	STEPHENS	SW5426	NN66-16-3	11.5	NN66-16-3SW		79.7	12	CMP	0.5	1	1	2.5	1	2.5							0	TRAP AT CB	NONE		2016	0145-0458			
STREET	Lambrecht	SW5428	ST-38-43SW		ST-38-43S		27	12	RCP	0.5	0.5	1	2	2	4							0			None	2016	0145-0458			
Street	Saxony	SW5430	NN29-2-1NE		NN29-2-1SE		25	12	VCP	0.5	0.5	1	2	3	6							0			Dig Mainline	2016	0145-0458			
Street	Saxony	SW5431	NN29-2-1		NN29-2-1SE		23	12	VCP	0.5	0.5	1	2	1	2	0						0	0	Size reduces to 4"(20')	None	2016	0145-0458			
Street	Saxony	SW5433	NN29-2		NN29-2NNW		30	12	RCP	0.5	0.5	1	2	2	4	1						1	0	Mult Crack(8'), Med OS joint(23')	None	2016	0145-0458			
Street	Saxony	SW5435	NN29-2		NN29-2SSW		39	12	RCP	0.5	0.5	1	2	2	4	1						1	0	Mult Crack(16'), Med OS joint(36'), Size reduces to 8"(32')	None	2016	0145-0458			
Street	Rausch	SW5437	NN38-2		NN38-2NE		11	12	VCP	0.5	0.5	1	2	1	2	0						0	0	Lt MD at joints(7', 8')	None	2016	0145-0458			
Street	Rausch	SW5438	NN38-2		NN38-2NW		25	12	VCP	0.5	0.5	1	2	2.5	5	0						0	0	Mult and long. Cracks T/O	None	2016	0145-0458			
STREET	9 MILE	SW5439	N19-W		N19A	25	100.5	12	RCP	0.5	1	1	2.5	1	2.5							0	DEPOSITS THROUGHOUT, SEPERATED JOINT @ 9"	NONE		2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Normandy	SW5440	ST-38-40-1		ST-38-40		32	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Tuscany	SW5441	ST-38-42-1		ST-38-42		27	12	RCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Norton	SW5442	ST-38-42NE		ST-38-42		25	12	RCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Tuscany	SW5443	ST-38-42SSW		ST-38-42S		28	12	RCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street		SW5445	NN19-5NE		BLIND TAP		22	12	VCP	0.5	0.5	1	2	3	6					0					None	2016	0145-0458		
Street	Brittany	SW5447	ST-38-17-14-1		ST-38-17-14		27	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW5448	ST-38-17-14NW		BLIND TAP		8	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Tuscany	SW5450	ST-38-17-15-1N		ST-38-17-15-1		7	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
STREET	9 MILE	SW5470	NS59-1NE	3	NS59-1A		12.1	12	RCP	0.5	1	1	2.5	3	7.5					0		MULT CRACK @ 10'		NONE	2016	0145-0458			
Street	Tuscany	SW5501	NN29-9-2-2A		NN29-9-2-AW		22	12	VCP	0.5	0.5	1	2	2.3	4.6	0			0	0	Long Crack(3', 5', 9', 11', 13', 17'), Med OS joint(4', 9'), Mult. Crack(13', 17')		None	2016	0145-0458				
Street	Tuscany	SW5502	NN29-9-2-2A		NN29-9-2-A5		10	12	VCP	0.5	0.5	1	2	2	4	0			0	0	Spiral Crack(2'), Long. Crack(6')		None	2016	0145-0458				
Street	Phlox	SW5512	NN66-10-4-6SW	4.5	NN66-10-4-6W		33	12	RCP	0.5	0.5	1	2	1	2	0			0	0	Lt MD at joint(5')		None	2016	0145-0458				
Street	Phlox	SW5513	NN66-10-4-6W	5.7	NN66-10-4-6		34	12	RCP	0.5	0.5	1	2	1	2	0			0	0	No defects observed		None	2016	0145-0458				
Street	Phlox	SW5514	NN66-10-4-6	5	NN66-10-4-6N		20	12	RCP	0.5	0.5	1	2	2	4	0			0	0	Circ. Crack(12'), Lt MD at joint(12')		None	2016	0145-0458				
Street	Phlox	SW5516	NN42-21-5		NN42-21-5-1N		145	12	RCP	0.5	0.5	1	2	2	4	0			0	0	Lt MD at joints(39'), Sag(103')		None	2016	0145-0458				
Street	Phlox	SW5517	NN42-24-4SW	3.5	NN42-24-4W		32	10	VCP	0.5	0.5	1	2	1.7	3.4	2			2	0	Med OS joint(7', 10'), Long. Crack(28'), Lt MD at joint(19')		None	2016	0145-0458				
Street	Phlox	SW5531	NN42-17-5-4		NN42-17-5-3A		38	12	RCP	0.5	0.5	1	2	1	2	0			0	0	No defects observed		None	2016	0145-0458				
Street	Forest	SW5532	NN42-17CNE		BLIND TAP		52	10	VCP	0.5	0.5	1	2	3	6	0			0	0	Long. Crack(14', 17', 48', 50'), Hole(41', 50'), Large OS joint(50')		Dig Mainline	2016	0145-0458				
Street	Forest	SW5533	NN42-17C		NN42-17CE		46	10	RCP	0.5	0.5	1	2	1	2	0			0	0	No defects observed		None	2016	0145-0458				
Street	Phlox	SW5534	NN42-24-4SW	5	NN42-24-4		38	10	VCP	0.5	0.5	1	2	3.4	6.8	0			0	0	Mult. Crack(4', 9', 19'), Hinge Fracture(18', 21', 23'-28')		Dig Mainline	2016	0145-0458				
Street	Forest	SW5535	NN42-17SW		NN42-17		36	12	VCP	0.5	0.5	1	2	2	4	0			0	0	Long. Crack(21'), Lt Roots at joint(15')		None	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Forest	SW5536	NN42-17	5	NN42-17NW		26	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(9', 21'), Size reduction to 10'(22')		None	2016	0145-0458		
Street	Bell	SW5537	NN42-19-1A	3.5	NN42-19-1ASE		27	10	Truss	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joints(4', 7', 10')		None	2016	0145-0458		
Street	Bell	SW5538	NN42-19-1A	3.5	NN42-19-1AE		17	10	PVC	0.5	0.5	1	2	1	2	0				0	0	Lt Roots at joint(13')		None	2016	0145-0458		
Street	Hauss	SW5539	NN42-21-1AW	4	NN42-21-1ASW		27	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Mult Crack(3', 5'), Large OS joint(2E), Lt Roots at joints(4', 7')		None	2016	0145-0458		
Street	Hauss	SW5540	NN42-21-1A	5.1	NN42-21-1AW		20	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(6', 9', 13', 16'), Lt Roots at joints(5', 8', 11'), Size reduction to 4'(16')	Dig Mainline	2016	0145-0458			
Street	Hauss	SW5541	NN42-21-1ANW		NN42-24-1	6.4	130	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(5', 29', 34', 38', 41', 44'-20', 103', 113', 117', 126')	FCJPP	2016	0145-0458			
Street	Hauss	SW5542	NN42-21-1A	5.1	NN42-21-1ANW		28	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Mult Crack(3' 8' 17'), Med OS joint(4', 11', 19'), Lt Roots at joints(7', 16', 22')		None	2016	0145-0458		
Street	Hauss	SW5543	NN42-21-1ANW	6	NN42-21-1ANE		28	12	VCP	0.5	0.5	1	2	3.3	6.6	0				0	0	Mult Crack(5', 22') Deformed(23'), Lt Roots at joints(5', 11', 19', 22')	Dig Mainline	2016	0145-0458			
Street	Chesterfield	SW5544	NN42-26-2ASSW	4.4	NN42-26-2ASSE		28	12	VCP	0.5	0.5	1	2	2.8	5.6	0				0	0	Mult Crack(3'-28'), Med OS joint(23'), Lt MD at joint(3', 24')		None	2016	0145-0458		
Street	Chesterfield	SW5545	NN42-26-2ASSW	5	NN42-26-2A		34	12	VCP	0.5	0.5	1	2	3	6	2				2	0	Mult Crack(3'-26'), Size reduction to 4'(26')	Dig Mainline	2016	0145-0458			
Street	Chesterfield	SW5546	NN42-26-2ASW	4.5	NN42-26-2ANW		27	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Mult Crack(3'-24'), Med OS joint(7', 20'), Lt MD at joint(13'), Lt Root at joint(16')		None	2016	0145-0458		
Street	Chesterfield	SW5547	NN42-26-2A	5	NN42-26-2ASW	4	32	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0				2016	0145-0458		
Street	Chesterfield	SW5548	NN42-26-2ANNW	5.2	NN42-26-ZANNE		26	12	VCP	0.5	0.5	1	2	3.6	7.2	0				0	0	Long. Crack(13'), Hinge Fracture(19', 21', 24'), Lt Roots at joints(3', 6', 9')	Dig Mainline	2016	0145-0458			
Street	Chesterfield	SW5549	NN42-26-2A	5	NN42-26-2ANW	4.5	48	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Cracks(3'-18', 25', 30', 43'), Spiral Fracture(18')	Dig Mainline	2016	0145-0458			
Street	Bell	SW5550	NN42-14		NN42-14NW		10	12	RCP	0.5	0.5	1	2	3.5	7	0				0	0	Wall missing(5'), Long. Crack(7')		None	2016	0145-0458		
Street	Cushing	SW5559	NN42-13W		NN42-13SW		28	12	RCP	0.5	0.5	1	2	1.8	3.6	0				0	0	Lt H2S damage T/O, Long. Cracks T/O		None	2016	0145-0458		
Street	Cushing	SW5560	NN42-13	3.8	NN42-13SW		42	12	RCP	0.5	0.5	1	2	2.2	4.4	0				0	0	Circ. Fracture(11'), Long. Crack(12'), Spiral Crack(29', 35'), Long. Cracks T/O, Pipe size reduction to 4'(39')		None	2016	0145-0458		
Street	Cushing	SW5561	NN42-13N		NN42-13NW		27	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Cracks T/O		None	2016	0145-0458		
Street	Chesterfield	SW5562	NN42-13-3-1	4.2	NN42-13-3-1W		26	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Broken with hole(4'), Med OS joint(8', 17', 19')	Dig Mainline	2016	0145-0458			
Street	Chesterfield	SW5563	NN42-13-3-1	4.2	NN42-13-3-1NW		41	12	VCP	0.5	0.5	1	2	1.7	3.4	0				0	0	Long. Crack(17', 22'), Med OS joint(8', 34', 37'), Mult Crack(38'), Settled deposits(20', 28')		None	2016	0145-0458		
Street	Cushing	SW5566	NN42-13-3		NN42-13-3W		59	12	PVC	0.5	0.5	1	2	1	2	0				0	0	Backflow preventer(58')		None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Cushing	SW5567	NN42-13-4		NN42-13-4SW		36	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Spiral Crack(8', 34'), Long. Crack(14', 21', 27'), Spalling(17'-36')		None	2016	0145-0458		
Street	Cushing	SW5568	NN42-13-4		NN42-13-4W		66	10	VCP	0.5	0.5	1	2	2	4	0				0	0	Med OS joints(19', 21'), Long. Crack(45', 52'), Mult Fracture(64'), Settled deposits(27', 43', 50', 56')		None	2016	0145-0458		
Street	Cushing	SW5569	NN42-13-4		NN42-13-4NW		72	10	VCP	0.5	0.5	1	2	2.2	4.4	0				0	0	Long. Crack(15', 26', 31', 34', 39', 46', 52', 55'-72'), Hinge Fracture(85'), Lt MD at joints T/O		None	2016	0145-0458		
Street	Cushing	SW5570	NN42-13-4NNW		NN42-13-4		70	12	VCP	0.5	0.5	1	2	2.1	4.2	0				0	0	Med OS joint(18', 60'), Long. Crack(13', 20', 31', 35', 39', 62', 65'), Mult Cracks(48'), Defective repair patch(69')		None	2016	0145-0458		
Street	Cushing	SW5571	NN42-13-6		NN42-13-6NW		56	12	VCP	0.5	0.5	1	2	1.3	2.6	0				0	0	Med OS joint(10', 50'), Long. Crack(10'), Lt Roots at joints(24'-46'), Alignment up(52')		None	2016	0145-0458		
Street	Manchester	SW5574	NN42-13-4-1		NN42-13-4-1NW		54	12	RCP	0.5	0.5	1	2	1.3	2.6	0				0	0	Med OS joints(14', 16', 35', 38'), Survey abandoned(54')-blockage		None	2016	0145-0458		
Street	Manchester	SW5575	NN42-13-4-1		NN42-13-4-1W		50	10	VCP	0.5	0.5	1	2	1	2	1				1	0	Med OS joints(23', 32', 38', 47')		None	2016	0145-0458		
Street	Chesterfield	SW5576	NN42-13-3-2		NN42-13-3-2W		20	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(11', 14')		None	2016	0145-0458		
Street	Chesterfield	SW5577	NN42-13-3-2	4	NN42-13-3-2NWW		33	12	VCP	0.5	0.5	1	2	1.2	2.4	0				0	0	Med OS joint(8', 11', 14', 25', 29')		None	2016	0145-0458		
Street	Manchester	SW5580	NN42-28NW	7.8	BLIND TAP		5	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Survey abandoned(5')-Bend in line		None	2016	0145-0458		
Street	Manchester	SW5581	NN42-28W		NN42-28	7.8	208	12	VCP	0.5	0.5	1	2	1.3	2.6	1				1	0	Long. Crack(32', 174', 186'), Med OS joint(36', 44', 56', 64', 81', 85'-198')		None	2016	0145-0458		
Street	Cushing	SW5583	NN42-13-4		NN42-13-4NW		17	12	VCP	0.5	1	1	2.5	5	12.5	0				0	0	Survey abandoned(17')-possible collapse	Dig Mainline	2016	0145-0458			
Street	Cushing Ave	SW5585	NN42-11	20.8	NN42-9	20.8	328	72	RCP	1	0.5	1	2.5	1	2.5	0				0	0	Line OK			2007	0145-0320		
Street	Cushing	SW5586	NN42-13		NN42-13N		35	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints(11', 17', 23'), Lt Roots at joint(29'), Pipe size reduction to 4"(32')		None	2016	0145-0458		
Street	Dwight	SW5587	NN29-13-2	4	NN29-13-2N		51	10	RCP	0.5	0.5	1	2	3.5	7	0				0	0	Long. Crack(30'), Wall missing(40')	Dig Mainline	2016	0145-0458			
Street	Aldai	SW5588	NN29-13-5		NN29-13-5SW		42	12	RCP	0.5	0.5	1	2	1.9	3.8	0				0	0	Long. Crack(7', 14', 18', 21', 37'), Lt HGS damage T/O, Me OS joint(7', 16')		None	2016	0145-0458		
Street	Dwight	SW5589	NN29-13-2-1S	3	NN29-13-2-1W		28	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed		None	2016	0145-0458		
Street	Dwight	SW5590	NN29-13-2-1		NN29-13-2-1S		14	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed		None	2016	0145-0458		
Street	Dwight	SW5591	NN29-13-2-1A		NN29-13-2-1ANW		34	10	RCP	0.5	0.5	1	2	1.4	2.8	0				0	0	Long. Crack(6'), Med OS joint(20', 28'), Spiral Crack(24'), Lt Roots at joints(31')		None	2016	0145-0458		
Street	Cushing	SW5593	NN42-13-3	4	NN42-13-3N		58	12	PVC	0.5	0.5	1	2	2	4	0				0	0	Sag(6')		None	2016	0145-0458		
Street	Cushing	SW5594	NN42-13-6		NN42-13-6NE		51	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(7', 30'), Med Angular joint(42', 45'), Lt MD at joint(33'), Mult Crack(48')		None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Brittany	SW5603	ST-38-41-1N		ST-38-41-1		6	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW5604	ST-38-41-1		ST-38-41		31	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Normandy	SW5605	ST-38-40-1W		ST-38-40-1		7	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Brittany	SW5606	ST-38-17-14-1N		ST-38-17-14-1		7	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
STREET	Brittany	SW5607	ST-38-17-14NE		ST-38-17-14		15	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Grove	SW5608	NN66-5	24	NN66-5W		34	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Cracks(19', 28', 30')		Dig Mainline	2016	0145-0458			
STREET	STEPHENS	SW5609	NN66-16-3		NN66-16-3NW		21.2	12	CMP	0.5	1	1	2.5	1	2.5					0			TRAP AT CB		NONE	2016	0145-0458		
Street	Brock	SW5611	NS59-9-12A	4.7	NS59-9-12AW		22	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(5', 11', 15', 20')		Dig Mainline	2016	0145-0458			
Street	Rosalind	SW5612	B12-5	5	B12-5SW		40	10	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(13', 20', 27', 31'), LI MD at joints(25', 31', 37'), Size reduction to 4'(38')		None	2016	0145-0458			
Street	Rosalind	SW5614	B12-5	6	B12-5SE	4.5	21	10	RCP	0.5	0.5	1	2	2	4	0				0	0	Long. Crack(5', 8'-21'), LI Roots at joints(13'), Size reduction to 4'(20')		None	2016	0145-0458			
STREET	Juliana	SW5615	NS6-18-2B		NS6-18-2BENE		131	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
STREET	Juliana	SW5616	NS6-18-2BESE		NS6-18-2BENE		27	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Juliana	SW5617	NS6-18-2B		NS6-18-2BNW		49	12	RCP	0.5	0.5	1	2	1	2					0					None	2016	0145-0458		
Street	Grove	SW5620	NN66-4C	9.5	NN66-4CW		27	10	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed		None	2016	0145-0458			
Street	Grove	SW5621	NN66-4C	9.5	NN66-4CNE		7	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed		None	2016	0145-0458			
Street	Beechwood	SW5622	NS76-1-1W		NS76-1-1		57	12	RCP	0.5	0.5	1	2	2	4					0					None	2016	0145-0458		
Street	Beechwood	SW5623	NS76-1-1E		NS76-1-1		40	12	RCP	0.5	0.5	1	2	2	2.1	4.2				0					None	2016	0145-0458		
Street	Maplewood	SW5624	NS67-11		NS67-11NW		25	12	VCP	0.5	0.5	1	2	3	6					0					Dig Mainline	2016	0145-0458		
Street	Maplewood	SW5625	NS67-11		NS67-11SW		15	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Cracks T/O, Size reduces to 4'(13')		Dig Mainline	2016	0145-0458			
Street	Virginia	SW5630	NS63-8S	4.3	NS59-7A-2		49	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(8')		Dig Mainline	2016	0145-0458			
Street	Crusade	SW5631	NS59-12-2NW		NS59-12-2N		28	12	RCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Long. Crack(7'-20', 23'), Mult Crack(14'), LI MD at joint(25')		None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped				
Street	Crusade	SW5632	NS59-12-2NW	4	NS59-12-2		52	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Crusade	SW5633	NS59-12-1S		NS59-12-1		47	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Backflow preventer(45°)	None	2016	0145-0458		
Street	Beaconsfield	SW5640	B7-1		B7-1NE		44	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0	Med OS joint(9', 21'), Lt MD at joint(33')	None	2016	0145-0458		
Street	Veronica	SW5642	B11-0-2		B11-0-2SE	3.5	165	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Mult. Fracture(6'), Long. Crack(8', 16', 27', 36', 40'-82', 140', 147'), Spiral Fracture(13', 31', 37'), Broken(37'), Large OS joint(37')	Dig Mainline(34' 40') FCPP	2016	0145-0458		
Street	Beaconsfield	SW5643	B7-5WNW		B7-5		9	10	RCP	0.5	0.5	1	2	2	4	0				0	0	Large OS joint(6')	None	2016	0145-0458		
Alley	Alley North of 8 Mile	SW5646	NS6-20		NS6-20N		14	12	RCP	0.5	0.5	0.5	1.5	1	1.5					0			None	2016	0145-0458		
Street	Normandy	SW5650	NN19-1E		NN19-1		40	12	RCP	0.5	0.5	1	2	1	2					0			None	2016	0145-0458		
Street	Lambrecht	SW5658	NN16-10-15	4	NN16-10-15NW		33	12	VCP	0.5	0.5	1	2	3.5	7	0				0	0	Long. Fracture(13', 14'), Spiral Fracture(16'), Lt Roots at joints(21', 29')	Dig Mainline	2016	0145-0458		
Street	Lambrecht	SW5659	NN16-10-15		NN16-10-15N		16	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Tuscany	SW5660	NN16-10-14N	2.6	Blind Tap		27	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long. Cracks(12', 17', 19', 21', 23'), Mult. Crack(26'), Lt Roots at joints(4' 9", 13', 16', 20', 22')	None	2016	0145-0458		
Street	Brittany	SW5665	NN16-10-2-12		NN16-10-2-12NE		14	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Spiral Crack(7')	None	2016	0145-0458		
Street	Lambrecht	SW5666	NN29-9-1-3		NN29-9-1-3SW		26	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Long. Crack(11'), Mult. Crack(15', 17'), Hinge Fracture(19'), Lt MD at joints(10', 11"-21'), Pipe size reduction to 10'(21')	Dig Mainline	2016	0145-0458		
Street	Lambrecht	SW5667	NN29-9-1-3		NN29-9-1-3S		10	10	PVC	0.5	0.5	1	2	1	2	0				0	0	Alignment right(9')	None	2016	0145-0458		
Street	Rausch	SW5687	NS37-3		NS37-3N		46	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(11', 14"-34")Hvy Roots(43')	Dig Mainline	2016	0145-0458		
Street	Rausch	SW5688	NS37-3		NS37-3S		17	12	VCP	0.5	0.5	1	2	1.5	3	0				0	0	Long. Crack(13'), Med OS joint(13')	None	2016	0145-0458		
Street	Tuscany	SW5690	NS25-4N		NS25-4		51	12	RCP	0.5	0.5	1	2	1	2					0		backflow preventer	None	2016	0145-0458		
Street	Normandy	SW5692	NS18-5		NS18-5NW		59	12	VCP	0.5	0.5	1	2	3.1	6.2	0				0	0	Mult and Long. Cracks T/O, Hinge crack(51'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Normandy	SW5693	NS18-5		NS18-5W		53	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long and Mult cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Normandy	SW5694	NS18-5		NS18-5S		27	12	PVC	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Normandy	SW5695	NS18-5		NS18-5N		55	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Mult and Long. Cracks T/O	None	2016	0145-0458		
Street	Brittany	SW5696	NS20-5		NS20-5N		50	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long. And Mult Cracks T/O, Lt MD at joints T/O, Size reduces to 10'(48")	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Gascony	SW5697	NS23-5		NS23-5N		57	12	VCP	0.5	0.5	1	2	1.8	3.6	0					0	0	Med OS joint(6'), Long Crack(13', 41'), Lt Roots at joints(35', 41')	None	2016	0145-0458		
Street	Gascony	SW5698	NS23-5		NS23-5E		23	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Lt Root at joint(20')	Dig Mainline	2016	0145-0458		
Street	Cushing	SW5699	NS43-7		NS43-7NW		2	6	VCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Rein	SW5700	NS46-8		NS46-8SW		44	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	Lt MD at joints T/O	None	2016	0145-0458		
Street	Toepfer	SW5703	NS59-9-0-2B	5.8	NS59-9-0-2BNE		18	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	Lt MD at joint(13')	None	2016	0145-0458		
Street	Jean	SW5704	NS59-9-0-3	4	NS59-9-0-3W		8	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Backflow preventer(8')	None	2016	0145-0458		
Street	Lincoln	SW5705	NS59-9-0-3		NS59-9-0-3S		28	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O	Dig Mainline	2016	0145-0458		
Street	Lincoln	SW5706	NS59-9-0-2E	3.6	NS59-9-0-2		60	12	VCP	0.5	0.5	1	2	2.3	4.6	1				1	0	Mult Crack(10', 14', 50'), Long Crack(19'-50')	None	2016	0145-0458			
Street	Lincoln	SW5707	NS59-9-0-2SE	3	Blind Tap		18	12	RCP	0.5	0.5	1	2	2.7	5.4	0				0	0	Mult Crack(10', 11'), Spiral Crack(13')	None	2016	0145-0458			
Street	Lincoln	SW5708	NS59-9-0-1		NS59-9-0-1NW		8	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Mult Crack and Hole(4')	Dig Mainline	2016	0145-0458		
Street	Lincoln	SW5709	NS59-9-0-1S		NS59-9-0-1SSE		18	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0	Long Crack(5'), Mult Crack(6'-18'), Med OS joint(13')	None	2016	0145-0458			
Street	Lincoln	SW5710	NS59-9-0-1		NS59-9-0-1E		29	12	VCP	0.5	0.5	1	2	2.3	4.6	1				1	0	Large OS joint(3'), Long Crack(8', 18'), Mult Crack(19', 21')	None	2016	0145-0458			
Street	Ego	SW5713	NS6-13-17-2BSW		BLIND TAP		6	10	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Juliana	SW5714	NS6-13-20-2	4	Blind Tap		33	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Lt MD at joints(25', 31')	None	2016	0145-0458			
Street	Cushing	SW5715	NS6-13-6-6B-1W		NS6-13-6-BB-1		18	12	RCP	0.5	0.5	1	2	1	2					0			None	2016	0145-0458			
Street	Stricker	SW5716	NS6-13-23	12.5	NS6-13-23SW		15	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(14')	Dig Mainline	2016	0145-0458			
Street	Stricker	SW5717	NS6-13-23	12.5	NS6-13-23NW		21	12	RCP	0.5	0.5	1	2	4	8	0				0	0	Broken(16'), Mult Crack(20'), Debris(9', 14')	6' SCIPP (16'-22')	2016	0145-0458			
Street	Cushing	SW5720	NS6-13-6-1W	3	BLIND TAP		167	12	VCP	0.5	0.5	1	2	3.4	6.8	5				5	0	Med OS joint(37'), Long Crack(50'), Mult Crack(51', 55', 65', 108', 110', 114', 116', 137', 143', 146', 165'), Hinge Crack(150', 157', 157', 161'), Lt MD at joints T/O	FCIPP	2016	0145-0458			
Street	Oak	SW5727	EH-33BNW	3.5	EH-33BSW		26	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0	No defects observed	None	2016	0145-0458			
Street	Oak	SW5728	EH-32-1NNE	4	EH-33BSW		106	12	RCP	0.5	1	1	2.5	2	5	0				0	0	Long. Crack(56')	None	2016	0145-0458			
STREET	WILMOT	SW5735	NS14-3		NS14-3SE		162	12	RCP	0.5	0.5	1	2	1	2					0		OFFSET JOINT @ 156'	NONE	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped					
Street	Schroeder	SW5737	NS15-3		NS15-3N		55	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Long. Fracture(8'), Hinge Fracture(8', 12'-24'), Mult Crack(18'-55')	Dig Mainline	2016	0145-0458		
Street	Normandy	SW5738	NS18-3E		NS18-3NE		27	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(8'), Long. Crack(7'), Li MD at select joints T/O	None	2016	0145-0458		
Street	Normandy	SW5739	NS18-3		NS18-3N		54	12	VCP	0.5	0.5	1	2	2.8	5.6	1					1	0	Mult Crack(8'), Long. Crack(40', 42')	None	2016	0145-0458		
Street	Normandy	SW5740	NS18-4		NS18-4S		8	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Schroeder	SW5741	NS15-4		NS15-4N		5	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
STREET	COLLINSON	SW5747	EH-32-11E	4	EH-32-11NE		46.8	12	RCP	0.5	1	1	2.5	4	10						0	MWLS @ 15'-EOI; LINE 80% FULL AT US CB	NONE	2016	0145-0458			
Street	Alley West of Kelly	SW5752	NS6-19NE		NS6-9		38	12	RCP	0.5	0.5	1	2	2	4						0			None	2016	0145-0458		
Street	Alley North of 8 Mile	SW5753	NS6-21A		NS6-21AW		15	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Shakespeare	SW5754	NS6-13-26SW	5.5	BLIND TAP		31	10	RCP	0.5	0.5	1	2	2	4	0					0	0	Long. Crack(8', 12')	None	2016	0145-0458		
Street	Shakespeare	SW5755	NS6-13-26	11.5	NS6-13-26SE		116	10	RCP	0.5	0.5	1	2	1.5	3	1					1	0	Long. Cracks and med OS joints T/O	None	2016	0145-0458		
Street	Virginia	SW5756	NS59-8-0-6		NS59-8-0-6N		58	12	RCP	0.5	0.5	1	2	2	4	1					1	0	Long. Crack(21', 30', 42', 50', 52', 57'), Li MD at joints(5'-26'), Li Roots at joints(8', 11', 17'), Size reduces to 10"(56")	None	2016	0145-0458		
Street	Virginia	SW5757	NS59-8-0-6NE		Blind Tap		36	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Roots(31'), Li Roots(31')	None	2016	0145-0458		
Street	Redmond	SW5758	NS59-8-7		NS59-8-7N		22	12	VCP	0.5	0.5	1	2	2.3	4.6	1					1	0	Long. Crack(12', 17'), Spiral Fracture(15'), Mult Crack(17'), Li MD at joints(8', 9', 14')	None	2016	0145-0458		
Street	Beechwood	SW5760	NS59-25-3SSW		NS59-25-3S		31	10	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Elmwood	SW5763	NS68-9S		NS68-9		9	12	VCP	0.5	0.5	1	2	3	6	1					1	0	Mult Crack(7')	Dig Mainline	2016	0145-0458		
Street	Linwood	SW5764	NS67-8		NS67-8W		47	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Med OS joint(12'), Long. Crack(22', 28')	None	2016	0145-0458		
Street	Linwood	SW5765	NS67-7		NS67-7N		13	12	RCP	0.5	0.5	1	2	1	2	1					1	0	No defects observed	None	2016	0145-0458		
Street	Linwood	SW5766	NS67-3		NS67-3E		47	12	VCP	0.5	0.5	1	2	2.6	5.2	0					0	0	Mult cracks and Li MD T/O; Long. Crack(19', 21', 25', 40')	None	2016	0145-0458		
STREET	9 MILE	SW5771	NS71-1S		NS71-1		12.8	12	RCP	0.5	1	1	2.5	5	12.5						0		BROKEN @ 5.5'	Dig Mainline	2016	0145-0458		
STREET	9 MILE	SW5772	NN72-1		NN72-1N		28.4	12	VCP	0.5	1	1	2.5	5	12.5						0		BROKEN PIECE @ 7' LARGE OFFSET @ 28' AT 28' THE ALIGNMENT GOES UP, CAMERA CANNOT NAVIGATE	Dig Mainline	2016	0145-0458		
STREET	9 MILE	SW5773	NN66-1-1	25	NN66-1-1N		34.2	12	VCP	0.5	1	1	2.5	1.7	4.25						0		MULTIPLE GROOBS @ 10' ENDED @ 34' ABOUT 6' SHORT OF CB DUE TO ALIGNMENT LEFT; MATERIAL CHANGE TO RCP THROUGH END OF LINE	NONE	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped	Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped												
STREET	9 MILE	SW5775	NS61-1W	17.5	NS61-1		38.7	12	RCP	0.5	1	1	2.5	5	12.5						0							BROKEN @ 18'	Dig Mainline	2016	0145-0458				
STREET	9 MILE	SW5776	NS61-1S		NS61-1	17.5	110	10	PVC/VCP	0.5	1	1	2.5	4	10						0									DIG UP AND REPLACE SEPARATED JOINT AT 58' DOWNSTREAM FROM NS61HS	2016	0145-0458			
STREET	9 MILE	SW5777	E23-B-2A	4.5	N55		38	12	RCP	0.5	1	1	2.5	3.5	8.75						0								NOTE NEW MH FOUND IN FIELD JDM @ 7'-19', 25', 31'; CL @ 24', 26', FH3 @ 27'-EO; CM @ 35'	FCIPP	2016	0145-0458			
STREET	SHAKESPEARE	SW5780	NN51-1E	5	NN51-1NW		31	12	VCP	0.5	0.5	1	2	1	2														CIRCUMFERENTIAL CRACK @ 21'	NONE	2016	0145-0458			
STREET	9 MILE	SW5781	NN52-1W	3	N52		16	12	RCP	0.5	1	1	2.5	3.5	8.75						0								BROKENHOLE VOID VISIBLE @ 9'	Dig Mainline	2016	0145-0458			
Street	Shakespeare	SW5782	NS53-1SW		NS53-1		32	12	RCP	0.5	1	1	2.5	1	2.5						0									None	2016	0145-0458			
Street	Shakespeare	SW5783	NS53-1SE		NS53-1		14	8	PVC	0.5	1	1	2.5	1	2.5						0									None	2016	0145-0458			
Street	Crusade	SW5787	NS59-9-1-4A		NS59-9-1-4ANE		57	12	VCP	0.5	0.5	1	2	2.4	4.8	0					0	0	Med OS joint(20', 23'), Null Crack(20'), Hinge Fracture(25'), Long Crack(20', 44', 48', 51', 53'), LI and a sealed joints 175'								None	2016	0145-0458		
Street	Lincoln	SW5788	NS59-17-2A	5.1	NS59-17-2AW		19	12	VCP	0.5	0.5	1	2	2	4	1				1	0	Long Crack(11'), LI Roots at joints(16', 18')								None	2016	0145-0458			
Street	Tuscany	SW5790	ST-38-42-1W		ST-38-42-1		9	12	RCP	0.5	0.5	1	2	1	2					0									None	2016	0145-0458				
Street	Beechwood	SW5791	NN75-2N		NN75-2		10	12	PVC	0.5	0.5	1	2	1	2					0								Backflow preventer	None	2016	0145-0458				
Street	Firwood	SW5795	NN73-6N		NN73-6		15	12	VCP	0.5	0.5	1	2	5	10					0								Collapse(1')	Dig Mainline	2016	0145-0458				
Street	Forest	SW5797	NN42-17W	3.5	NN42-17		12	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Mult Crack(7'), Med Angular Joint(8')								None	2016	0145-0458			
Street	Bell	SW5798	NN42-20	6.5	NN42-20NW		65	12	VCP	0.5	0.5	1	2	2.1	4.2	0				0	0	Long Crack(3', 4', 18', 42', 47', 54', 56'), Mult Crack(8', 12', 16', 20', 24'), Size reduction to 10'(57')								None	2016	0145-0458			
Street	Bell	SW5799	NN42-20	6.5	NN42-20W		58	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(5', 7', 17', 21', 23', 35', 37'), Broken(44', 54')								Dig Mainline	2016	0145-0458			
Street	Hauss	SW5800	NN42-22W	5	NN42-22		65	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(3', 6'-68'), Size reduction to 4" that has 1" pipe thru(61')								Dig Mainline(61'-65')	2016	0145-0458			
Easement	Gratiot Esmt	SW5802	NN42-26	5	NN42-26NE		19	12	RCP	0.5	0.5	0.5	1.5	3	4.5	0				0	0	Hinge Fracture(11'), Spiral crack(13'), Long Crack(14')								Dig Mainline	2016	0145-0458			
Easement	Gratiot Esmt	SW5803	NN42-29	5	NN42-29E		22	12	VCP	0.5	0.5	0.5	1.5	1.7	2.55	0				0	0	Long Crack(12', 15')								None	2016	0145-0458			
Street	Dale	SW5818	NN66-6AW	10.5	NN66-6A	10.5	51	12	VCP	0.5	0.5	1	2	3	6					0	0	Mult Cracks T/O, Med OS joint(46', 50')								Dig Mainline	2016	0145-0458			
Street	South Park	SW5819	NN66-3-2	10	NN66-3-2E		10.3	12	VCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed								None	2016	0145-0458			
Street	South Park	SW5820	NN66-3-2	10	NN66-3-2NE		26	12	VCP	0.5	0.5	1	2	4	8	0				0	0	Mult Crack(17'), Broken(25')								Dig Mainline	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	North Park	SW5821	NN66-4-3	6.5	NN66-4-3E		12	12	VCP	0.5	0.5	1	2	1	2	0					0	0		Med OS joints T/O	None	2016	0145-0458		
Street	North Park	SW5822	NN66-4-3	6.5	NN66-4-3NE		26	12	VCP	0.5	0.5	1	2	1	2	0					0	0		Med OS Joint(23'), Med Roots(26')	None	2016	0145-0458		
Street	North Park	SW5823	NN66-3-2BNW	8.5	NN66-3-2B		30	12	RCP	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458		
Street	Evergreen	SW5825	NN54-4-2	3.7	NN54-4-2W		49	12	RCP	0.5	0.5	1	2	1.7	3.4	0					0	0		Rebar visible(6'-34'), Circ. Crack(48'), Backflow preventer(48")	None	2016	0145-0458		
STREET	9 MILE	SW5828	NS48-1	18	NS48-1W	3	38.1	10	PVC	0.5	1	1	2.5	4	10						0			CRACK MULT @ 15', 25', JOINT SEPARATED LARGE/SOIL VISIBLE @ 19', JOINT SEPARATED LARGE/SOIL VISIBLE @ 25', JRP/SURFACE REINFORCEMENT VISIBLE ALIGNMENT LEFT @ 29'	Dig Mainline	2016	0145-0458		
Street	Rein	SW5829	NS46-1ASW		NS46-1AS		27	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
Street	Rein	SW5830	NS46-1AS		NS46-1A		21	8	PVC	0.5	0.5	1	2	1	2						0				None	2016	0145-0458		
STREET	9 MILE	SW5831	NS46-1SE	4	NS46-1		11.4	12	RCP	0.5	1	1	2.5	3	7.5						0			MULT CRACKS @ 10'	Dig Mainline	2016	0145-0458		
STREET	9 MILE	SW5834	NS40-1A		NS40-1S		22.2	12	VCP	0.5	0.5	1	2	1	2						0			OFFSET JOINT @ 13'; 19"	NONE	2016	0145-0458		
Street	David	SW5837	NN32-3		NN32-3S		19	12	VCP	0.5	0.5	1	2	3.4	6.8	0					0	0		Hinge Crack(5'; 7', 11'), Mult Crack(7'-19'), Lt MD at joints(7'-19'), Size reduction to 4"(16")	Dig Mainline	2016	0145-0458		
Street	Rausch	SW5838	NN38-4W		Blind Tap		31	12	VCP	0.5	0.5	1	2	3.4	6.8	0					0	0		Long Crack(16', 17'), Hinge Crack(18'-31'), Mult Crack(22', 25'), Lt Roots at selected joints T/O	Dig Mainline	2016	0145-0458		
Street	Rausch	SW5839	NN38-4		NN38-4E		104	12	VCP	0.5	0.5	1	2	3.1	6.2	1					1	0		Long Crack(5'; 40', 45', 47', 49', 50', 80', 85'), Mult Crack(20', 50', 104'), Hinge Crack(50', 63', 66', 76', 81'), Lt Roots at selected joints T/O	FCIPP	2016	0145-0458		
Street	David	SW5840	NN32-4		NN32-4W		19	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult Crack(2'); Abandoned Survey(19')-Turn in line, reverse set-up-abandoned survey(17')-point of previous progress	None	2016	0145-0458			
Street	David	SW5841	NN32-4		NN32-4S		12	12	VCP	0.5	0.5	1	2	1	2	0				0	0		No defects observed	None	2016	0145-0458			
Street	Wilson	SW5842	NN42-9-4-1	4.4	NN42-9-4-1E		42	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult Crack(5'), Long. Fracture(12', 32'-37'), Hole(34')	Dig Mainline	2016	0145-0458			
Street	Wilson	SW5843	NN42-9-4-1	4.4	NN42-9-4-1		30	12	VCP	0.5	0.5	1	2	3	6	0				0	0		Mult Cracks T/O, Size reduction to 4"(28")	Dig Mainline	2016	0145-0458			
Street	Forest	SW5845	NN29-9-0-4	4	NN29-9-0-4W	3	22	12	VCP	0.5	0.5	1	2	2.3	4.6	0				0	0		Mult Crack(6', 19'), Med Angular Joint(15'), Lt Roots at joint(16'), Pipe Size reduction to 4"(19')	None	2016	0145-0458			
Street	Bell	SW5847	NN42-15-2	5	NN42-15-2N	4.5	40	12	RCP	0.5	0.5	1	2	2	4	0				0	0		Long. Crack(38'), Lt Roots at joints(20')	None	2016	0145-0458			
Street	Cushing	SW5849	NN42-13-1-1SW		NN42-13-1-1NW		30	8	RCP	0.5	0.5	1	2	1	2	0				0	0		Med OS joints(21', 24')	None	2016	0145-0458			
Street	Cushing	sw5850	NN42-13-1		NN42-13-1-1NE		21	12	VCP	0.5	0.5	1	2	2.5	5	1				1	0		Mult Crack(7'), Catch basin is buried	None	2016	0145-0458			
Street	Cushing	SW5851	NN42-13-2	4	NN42-13-2N		56	12	VCP	0.5	0.5	1	2	1.7	3.4	0				0	0		Long. Crack(23', 44'), Mult Crack(23', 28'), Med OS joint(29', 28', 31', 43'), Size reduction to 10'(54')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Cushing	SW5852	NN42-13-2	4	NN42-13-2S		22	12	VCP	0.5	0.5	1	2	1.3	2.6	0					0	0	Med OS joints(8'-22'), Long. Crack(18')	None	2016	0145-0458		
Street	8 Mile Esmt	SW5856	B5-11W		B5-11		65	10	RCP	0.5	0.5	1	2	2	4	0					0	0	Long. Cracks T/O, Lt MD at joints(20', 26', 38')	None	2016	0145-0458		
Street	Rosalind	SW5857	B5-11E	6.5	B5-11		109	10	RCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Circ. Crack(45'), Rebar projecting(48', 58'), Lt MD at joints(40', 66', 78')	None	2016	0145-0458		
Street	Ego	SW5860	NS59-9-3		NS59-9-3N		67	10	VCP	0.5	0.5	1	2	1.8	3.6	0					0	0	Med OS joint(11', 39', 45', 55'), Size increase to 12'(14'), Long. Crack(16', 20', 28', 30', 56'), Mult. Crack(18'-67'), Lt MD at joints(14'-67')	None	2016	0145-0458		
Street	Sprenger	SW5861	NS59-9-2-6A	8.2	NS59-9-2-6AS		44	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. And Mult Cracks T/O	None	2016	0145-0458		
Street	Beechwood	SW5862	NN75-6N		NN75-6		12	12	VCP	0.5	0.5	1	2	1.5	3						0			None	2016	0145-0458		
Street	Beechwood	SW5863	NN75-5N		NN75-5		10	12	PVC	0.5	0.5	1	2	1	2						0		Backflow preventer	None	2016	0145-0458		
Street	Beechwood Ave	SW5864	NN75-4N		NN75-4		8	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Survey abandoned(1')-Large OS joint with soil visible	Dig Mainline info sent to city	2016	0145-0458		
Street	Beechwood	SW5865	NN75-3W		NN75-3		29	12	VCP	0.5	0.5	1	2	2.5	5						0			Dig Mainline	2016	0145-0458		
Street	Beechwood	SW5866	NN75-3N		NN75-3		10	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	North Park	SW5868	NN70-2-3	7.5	NN70-2-3E		7	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(2'), Lt Roots at joint(1'), Pipe size reduction to 3 1/2"	Dig Mainline	2016	0145-0458		
Street	Camden	SW5869	NN66-6B	11	NN66-6BW	11	15	12	VCP	0.5	0.5	1	2	5	10						0			None	2016	0145-0458		
Street	Saxony	SW5871	NN29-11-4	4.4	NN29-11-4N		39	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Spiral Crack(16'), Lt MD at joints(16', 22', 31')	None	2016	0145-0458		
Street	Norton	SW5875	ST-38-42SE		ST-38-42NE		24	12	VCP	0.5	0.5	1	2	1	2						0		Backflow preventer at CB	None	2016	0145-0458		
Street	Lambrecht	SW5880	NN16-10-14A		NN16-10-14ASW		14	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
STREET	9 MILE	SW5882	NS48-1	18	NS48-1E		13.1	10	PVC	0.5	0.5	1	2	1	2					0		OFFSET JOINT @ 12'	NONE	2016	0145-0458			
Street	Wilson	SW5884	NN42-17-3		NN42-17-3N		10	10	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Forest	SW5890	NN29-9W	3	NN29-9		24	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Med H2S damage T/O, Spiral Crack(12'), Spiral Fracture(18')	Dig Mainline	2016	0145-0458		
Street	Bell	SW5891	NN29-12E		NN29-12		17	12	VCP	0.5	0.5	1	2	2.5	5						0			Dig Mainline	2016	0145-0458		
Street	Bell	SW5892	NN29-12	5	NN29-12SE		26	12	VCP	0.5	0.5	1	2	1.5	3	1					1	0	Long. Crack(8'), Med OS joint(12', 14', 24'), Lt Roots at joints(12'-23')	None	2016	0145-0458		
Street	Aldai	SW5893	NN29-13-5	4.5	NN29-13-5N		16	12	RCP	0.5	0.5	1	2	1	2	1					1	0	Lt Roots at joints(14')	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Saxony	SW5894	NN29-11-1A		NN29-11-1AS		12	10	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Long. Crack(4', 8'), Med OS joint(4'), Spiral and Mult. Crack(8'), Brick(9')	None	2016	0145-0458		
Street	Hayes	SW5896	NN66-22E		NN66-22		27	12	VCP	0.5	0.5	1	2	2.5	5						0			Dig Mainline	2016	0145-0458		
Street	Wilson	SW5897	NN42-9-4A		NN42-9-4ASW		12	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Circ. Crack(10'), Lt MD at joint(5'), Size reduction to 4'(10')	None	2016	0145-0458		
Street	Cushing	SW5898	NN42-11	4	NN42-11W		49	12	RCP	0.5	0.5	1	2	3.5	7	0					0	0	Med H2S damage(21'), Long. Crack(20'), Pipe size reduction to 4'(47')	Dig Mainline	2016	0145-0458		
Street	Dwight	SW5899	NN29-13-8		NN29-13-8N		8	10	RCP	0.5	0.5	1	2	4	8	0					0	0	Broken with Hole(3'), Size reduction to 8'(6')	Dig Mainline	2016	0145-0458		
Street	Birchwood	SW5900	NS69-9NN		NS69-9N		40	12	VCP	0.5	0.5	1	2	3	6						0			Dig Mainline	2016	0145-0458		
Street	Birchwood	SW5901	NS69-8S		NS69-8		80	12	VCP	0.5	0.5	1	2	2.5	5						0			FCIPP	2016	0145-0458		
Street	Oakwood	SW5902	NS71-10S		NS71-10		20	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Oakwood	SW5903	NS71-10SW		Blind Tap		28	12	VCP	0.5	0.5	1	2	2.4	4.8						0			None	2016	0145-0458		
STREET	REDMOND	SW5905	NS59-7-2A	8	NS59-7-2ANW		30	12	VCP	0.5	0.5	1	2	4	8					0		MSA DUE TO ROOTS @ Z. DO NOT SEE ATTEMPT AT REVERSAL.	Dig Mainline	2016	0145-0458			
Street	Dale	SW5914	NN66-1-4	9.5	NN66-1-4N	9.5	11	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joint(11')	None	2016	0145-0458		
Street	Dale	SW5915	NN66-1-4	9.5	NN66-1-4NW		27	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Long. Crack(13'), Mult Crack(19', 20'), Lt MD at joint(7'), Lt Roots at joint(26')	None	2016	0145-0458		
STREET	9 MILE	SW5916	NN64-0-3W	4	NS64-1-1A		97.8	12	RCP	0.5	1	1	2.5	3.5	8.75						0		LARGE OFFSET JOINT/HOLE SOIL VISIBLE 97' DIG UP AND REPLACE FROM 94'EOL	2016	0145-0458			
STREET	KELLY	SW5931	E7-32-3	18.5	E7-32-3NE		88	12	RCP	0.5	1	1	2.5	2	5					0		CL @ 38'	NONE	2016	0145-0458			
Street	Rein	SW5939	NN47-7	4.5	NN47-7NE		16	12	VCP	0.5	0.5	1	2	1.5	3	0					0	0	Med OS joint(8', 11'), Long. Crack(13', 15')	None	2016	0145-0458		
STREET	9 MILE	SW5942	E23-B-2A	4.5	E23-B-2		4	12	RCP	0.5	1	1	2.5	3	7.5								NOTE NEW MH FOUND IN FIELD. CM @ 3'	NONE	2016	0145-0458		
Street	Piper	SW5943	NN49-4A	6.4	NN49-4ANW		83	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Lt MD at select joints T/O, Utility thru sewer(12')	FCIPP	2016	0145-0458		
Street	Rein	SW5946	NN47-2	6.8	NN47-2S		63	12	VCP	0.5	0.5	1	2	1.5	3	1				1	0	Med OS joints(10', 23', 29', 32', 41', 44', 47', 49'), Mult Crack(25', 59'), Lt Roots at joints(38', 44', 47', 53', 66', 59', 60')	None	2016	0145-0458			
Street	Cushing	SW5947	NN44-6N		NN44-6		46	12	RCP	0.5	0.5	1	2	1	2					0			None	2016	0145-0458			
Street	Cushing	SW5948	NN42-3S		NN42-3SE		31	12	RCP	0.5	0.5	1	2	2	4					0			None	2016	0145-0458			
Street	Cushing	SW5949	NN42-2E		NN42-2		31	12	RCP	0.5	0.5	1	2	1	2					0			None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Donald	SW5953	NN39-5		NN39-5S		107	12	VCP	0.5	0.5	1	2	3	6	1					1	0	Spiral, Mult and Long. Cracks T/O, L1 MD at joints T/O, L1 Roots at select joints T/O, Size reduces to 4"(106)	Dig Mainline(105'-107") FC/PP	2016	0145-0458		
Street	Donald	SW5954	NN39-5		NN39-5NW		32	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Mult cracks(5', 16'-32'), Hinge crack(19'-27')	Dig Mainline	2016	0145-0458		
Street	Linwood	SW5957	NS67-6		NS67-6N		92	12	RCP	0.5	0.5	1	2	1.9	3.8	0					0	0	Med OS joint(15', 84'), Long. Crack(75'), Mult Crack(76')	None	2016	0145-0458		
STREET	REDMOND	SW5958	NS59-7-2A	8	NS59-7-2AWNW		95.5	12	VCP	0.5	0.5	1	2	2.3	4.6						0		LONG CRACKS @ 9', 81', 84'; MULT CRACKS @ 89'	NONE	2016	0145-0458		
Street	SHAKESPEARE	SW5970	NS53-2NW		NS53-2		40	12	VCP	0.5	0.5	1	2	5	10						0			Dig Mainline	2016	0145-0458		
Street	SHAKESPEARE	SW5971	NS53-2N		NS53-2		29	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	SHAKESPEARE	SW5972	NS53-3N		NS53-3		13	12	RCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	SHAKESPEARE	SW5973	NS53-6E		NS53-6		27	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Piper	SW5974	NS48-4SW		NS48-4		27	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Piper	SW5975	NS48-4S		NS48-4		16	12	VCP	0.5	0.5	1	2	1	2						0			None	2016	0145-0458		
Street	Rein	SW5976	NS46-4N		NS46-4		85	12	VCP	0.5	0.5	1	2	3	6						0			3' SCIPP (30'-33')	2016	0145-0458		
Street	Rein	SW5977	NS46-5N		NS46-5		38	12	VCP	0.5	0.5	1	2	2	4						0			None	2016	0145-0458		
STREET	9 MILE	SW5978	NN44-1	15	NN44-1SW		19.4	12	RCP	0.5	0.5	1	2	3	6						0		BROKEN AT 13'	NONE	2016	0145-0458		
STREET	9 MILE	SW5979	NS40-1A	5	NS40-1SSW		83.1	12	VCP	0.5	0.5	1	2	1	2						0		OFFSET JOINTS MEDIUM THROUGHOUT	NONE	2016	0145-0458		
STREET	9 MILE	SW5980	NS33-1W		NS33-1		30.8	12	RCP	0.5	1	1	2.5	3.5	8.75						0				2016	0145-0458		
		SW5980	NS40-1SSW		NS40-1A					0.5	1	0	1.5	3	4.5						0		LONG CRACK @ 2'; BROKEN @ 13'	Dig Mainline	2016	0145-0458		
STREET	9 MILE	SW5982	NS31-1		NS31-1W		40.2	12	RCP	0.5	1	1	2.5	1	2.5						0		OFFSET JOINT MED @ 34'; DEPOSITS THROUGHOUT	NONE	2016	0145-0458		
Street	Cushing	SW5985	NS43-5N		NS43-5		45	12	PVC	0.5	0.5	1	2	1.7	3.4						0			None	2016	0145-0458		
Street	Donald	SW5987	NS40-2SSW		NS40-2SW		1	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Survey abandoned(1')-Mineral Deposit	None	2016	0145-0458		
Street	Donald	SW5989	NS40-5NW		NS40-5		58	12	VCP	0.5	0.5	1	2	2.5	5						0			Dig Mainline	2016	0145-0458		
Street	Donald	SW5990	NS40-5		NS40-5N		55	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. And Mult Cracks T/O	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped				
Street	Rausch	SW5991	NS37-4		NS37-4S		9	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Rausch	SW5992	NS37-5A		NS37-5ANNW		12	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	Toepfer	SW5993	NS33-2		NS33-2SW		30	12	VCP	0.5	0.5	1	2	5	10	0				0	0	Collapse(1')	Dig Mainline	2016	0145-0458		
Street	David	SW5995	NS33-4E		NS33-4		70	12	VCP	0.5	0.5	1	2	5	10	0				0	0	Collapsed(?) Spiral Fracture(42'-48'), Large OS joint(20'), Survey abandoned(80') - extreme eccentric Reverse-Collapse(5'), Long Crack(7'-11'), Large OS joint(19'), Survey abandoned(20')-roots	Dig Mainline(0'-10') Dig Mainline (60'-70')	2016	0145-0458		
Street	David	SW5996	NS33-5		NS33-5N		38	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Backflow preventer(36")	None	2016	0145-0458		
Street	David	SW5997	NS33-5		NS33-5SW		28	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458		
Street	David	SW5998	NS33-5		NS33-5S		31	12	RCP	0.5	0.5	1	2	1	2	0				0	0	Backflow preventer(29")	None	2016	0145-0458		
Street	Piper	SW6000	NN49-7A		NN49-7ASE		8	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(6"), Size reduction to 4"(7")	Dig Mainline	2016	0145-0458		
Street	David	SW6001	NN32-3WNW		NN32-3		28	12	VCP	0.5	0.5	1	2	3	6					0			Dig Mainline	2016	0145-0458		
Street	David	SW6002	NN32-2		NN32-2NW		24	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult crack T/O	Dig Mainline	2016	0145-0458		
Street	David	SW6003	NN32-2		NN32-2NE		12	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(7")	Dig Mainline	2016	0145-0458		
Street	Elmwood	SW6005	NS68-8		NS68-8N		12	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Size reduces to 10"(7"), Lt Roots at joints(10')	None	2016	0145-0458		
Street	Tuscany	SW6006	NN29-9-2-4		NN29-9-2-4NW		49	12	VCP	0.5	0.5	1	2	2.3	4.6	1				1	0	Long, Cracks T/O, Lt MD at joints T/O, Pipe size reduction to 4"(46")	None	2016	0145-0458		
Street	Stephens	SW6007	NN66-13	19	NN66-13SW		28	10	CMP	0.5	1	1	2.5	1	2.5	0				0	0	No defects observed	None	2016	0145-0458		
STREET	CAMDEN	SW6009	NN66-5-5		NN66-5-5NE		74	8	VCP	0.5	0.5	1	2	3	6				0		LONGITUDINAL CRACKS @ 47"-72", BROKEN @ 62"; MULTIPLE CRACKS @ 72"	3' SCIPP FROM 61'-64"	2016	0145-0458			
Street	Pleasant	SW6010	NN56-3	4	NN56-3S		11	12	VCP	0.5	0.5	1	2	3.2	6.4	0			0	0	Mult Crack(5"), Surface wall missing(5"), Large OS joint(8"), Hole with soil visible(9")	Dig Mainline	2016	0145-0458			
STREET	LISTER (ALLEY)	SW6011	NS6-7NE		NS6-7		8	12	RCP	0.5	1	1	2.5	2	5				0		SPIRAL CRACK @ 7"	NONE	2016	0145-0458			
STREET	9 MILE	SW6012	NS63-1-2	14	NS63-1-2S		28.1	12	RCP	0.5	1	1	2.5	1	2.5				0		MED OFFSET JOINT @ 15'	NONE	2016	0145-0458			
Street	Nehls Alley	SW6020	NS64-11		NS64-11N		18	12	VCP	0.5	0.5	1	2	2	4	0			0	0	Long, Crack(9"), Lt MD at joints T/O, Size reduces to 4"(16")	None	2016	0145-0458			
STREET	9 MILE	SW6023	NS59-1	11	NS59-1W		40.1	12	RCP	0.5	1	1	2.5	3	7.5				0		LONG CRACK @ 8'; HOLE SOIL VISIBLE @ 21'	Dig Mainline	2016	0145-0458			
STREET	9 MILE	SW6024	NS59-1	11	NS59-1E	4	17.4	12	VCP	0.5	1	1	2.5	1	2.5				0		OFFSET JOINTS @ 11'; 13'	NONE	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
STREET	Nevada	SW6031	NS61-2-2S		NS61-2-2		5	12	VCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Nevada	SW6032	NS61-3N		NS61-3		54	12	VCP	0.5	0.5	1	2	2.5	5					0				Dig Mainline	2016	0145-0458		
Street	Nevada	SW6033	NS61-4NW		NS61-4		82	12	VCP	0.5	0.5	1	2	2.3	4.6					0				NONE	2016	0145-0458		
Street	Nevada	SW6034	NS61-4N		BLIND TAP		31	12	VCP	0.5	0.5	1	2	2	4					0				NONE	2016	0145-0458		
Street	Nevada	SW6035	NS61-5N		NS61-5			12		0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Nevada	SW6036	NS61-5S		NS61-5		70	12	VCP	0.5	0.5	1	2	2.5	5					0				FCJPP	2016	0145-0458		
Street	Boulder	SW6037	NS59-2ASSE		NS59-2ASE		27	12	VCP	0.5	0.5	1	2	2.5	5					0				Dig Mainline	2016	0145-0458		
Street	Boulder	SW6038	NS59-2ASE		NS59-2A		30	12	VCP	0.5	0.5	1	2	3	6					0				Dig Mainline	2016	0145-0458		
Street	Boulder	SW6039	NS59-2AS		NS59-2A		14	12	RCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Boulder	SW6040	NS59-2ASW		NS59-2A		29	12	VCP	0.5	0.5	1	2	2.2	4.4					0				None	2016	0145-0458		
Street	Boulder	SW6041	NS61-1-6SW		NS61-1-6		29	12	VCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Boulder	SW6042	NS61-1-6SE		NS61-1-6		10	12	PVC	0.5	0.5	1	2	4	8					0				Dig Mainline	2016	0145-0458		
Street	Boulder	SW6043	NS61-1-6ASW		BLIND TAP		29	12	RCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Boulder	SW6044	NS61-1-6AS		NS61-1-6A		17	12	RCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street		SW6045	E23-ANW		E23-A		29	12	VCP	0.5	0.5	1	2	2.5	5					0				None	2016	0145-0458		
Street	Pleasant	SW6046	E23-AN		E23-A		52	12	VCP	0.5	0.5	1	2	2.4	4.8					0				None	2016	0145-0458		
Street	Pleasant	SW6047	E23-A-1NW		BLIND TAP		26	12	VCP	0.5	0.5	1	2	1.8	3.6					0				None	2016	0145-0458		
Street	Pleasant	SW6048	E23-A-1NE		E23-A-1		20	12	VCP	0.5	0.5	1	2	5	10					0				Dig Mainline	2016	0145-0458		
Street	Pleasant	SW6049	E23-2NW		BLIND TAP		35	12	VCP	0.5	0.5	1	2	1	2					0				None	2016	0145-0458		
Street	Pleasant	SW6050	E23-2S		E23-2		14	12	RCP	0.5	0.5	1	2	1.5	3					0				None	2016	0145-0458		
Street	Lamrecht	SW6051	ST-38-43S		ST-38-43		37	12	RCP	0.5	0.5	1	2	2	4					0				None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location			
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Tuscany	SW6052	ST-38-42S		ST-38-42		41	12	RCP	0.5	0.5	1	2	2.3	4.6						0				None	2016	0145-0458			
Street	Normandy	SW6053	NN19-2S		NN19-2		6	12	VCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458			
STREET	9 MILE ALLEY	SW6056	NS3-2		NS3-2E		20	12	RCP	0.5	0.5	1	2	5	10						0				BROKEN SOIL VISIBLE @ 6' DEPOSITS THROUGHOUT	Dig Mainline	2016	0145-0458		
Easement	Easement between Julian and 8 Mile	SW606	B5-10	14.8	B5-9	14	295	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2					2	0					2015-2016	0145-0463		
Street	Tuscany	SW6063	NS28-2BE		NS28-2B		14	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458			
Street	Tuscany	SW6064	NS25-2AW		NS25-2A		14	12	RCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458			
Street	Gascony	SW6065	NS25-2BE		NS25-2B		15	12	RCP	0.5	0.5	1	2	2	4						0				NONE	2016	0145-0458			
Street	Gascony	SW6068	NS23-6		NS23-6S		9	12	RCP	0.5	0.5	1	2	1	2	0					0	0			Backflow preventer(8")	None	2016	0145-0458		
Street	Brittany	SW6072	NS20-2		NS20-2S		21	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joint(12")	None	2016	0145-0458				
Street	Brittany	SW6073	NS20-4		NS20-4S		8	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458				
Street	Brittany	SW6074	NS20-5		NS20-5S		26	12	VCP	0.5	0.5	1	2	2.8	5.6	0					0	0	Mult Crack(6'-26'), Long. Crack(10')	None	2016	0145-0458				
Street	Brittany	SW6075	NS20-6		NS20-6S		12	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458				
Street	Normandy	SW6077	NS18-2		NS18-2S		18	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joints(9', 11")	None	2016	0145-0458				
STREET	9 MILE	SW6082	N8A-1SE	3	N8A-1S		44.4	12	RCP	0.5	1	1	2.5	2	5						0		CL IN SPOTS THROUGHOUT, CM @ 26' DAE THROUGHOUT	NONE	2016	0145-0458				
Street	Schroeder	SW6083	NS15-2		NS15-2S		19	10	VCP	0.5	0.5	1	2	4	8	0					0	0	Survey abandoned(4')-Large OS, Reverse-Collapse(14')	Dig Mainline	2016	0145-0458				
Street	Schroeder	SW6084	NS6-11-2-E		BLIND TAP		10	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Broken and Mult Fracture(3")	Dig Mainline	2016	0145-0458				
Street	Toepfer	SW6089	NS71-12-2W	3	NS71-12-2N		32	12	VCP	0.5	1	1	2.5	1.5	3.75	0					0	0	Med OS joint(14'), Long. Crack(27'), Lt MD at joints T/O	None	2016	0145-0458				
Street	Toepfer	SW6090	NS71-12-2W	3.1	NS71-12-2		6	12	PVC	0.5	1	1	2.5	1	2.5	0					0	0	No defects observed	None	2016	0145-0458				
Street	Lincoln	SW6091	NS59-17-3	5.2	NS59-17-3W		11	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458				
Street	Lincoln	SW6092	NS59-16-2-NW		BLIND TAP		36	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Mult and Long. Cracks T/O	None	2016	0145-0458				
Street	Lincoln	SW6094	NS59-17-1A	5	NS59-17-1AN		40	12	VCP	0.5	0.5	1	2	3.5	7	1					1	0	Mult Cracks T/O, Hinge Fracture(30'-34')	Dig Mainline	2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Beechwood	SW6095	NS59-24-4		NS59-24-4S					0.5	0.5	1	2	1.7	3.4							0		Circ. Fracture(52'), Lt MD at joints(24', 57')	None	2016	0145-0458		
Street	Lydia	SW6096	NS59-22-1	5	NS59-22-1NW	25	12	RCP	0.5	0.5	1	2	1	2	0						0	0	Backflow preventer(23')	None	2016	0145-0458			
Street	Jacob	SW6097	NS59-24-1		NS59-24-1SE	8	12	VCP	0.5	0.5	1	2	1	2	0						0	0	No defects observed	None	2016	0145-0458			
Street	Toepfer	SW6098	BLIND TAP		NS59-16-3-2NW	25	12	VCP	0.5	1	1	2.5	2	5	0						0	0	Long Crack(6', 7', 13')	None	2016	0145-0458			
Street	Toepfer	SW6099	NS59-16-3-1		NS59-16-3-1N	24	12	VCP	0.5	1	1	2.5	2.5	6.25	0						0	0	Mult Crack(14'), Med OS joint(15', 17'), Hinge Crack(16')	None	2016	0145-0458			
Street	Toepfer	SW6100	NS59-16-3-1		NS59-16-3-1S	13	12	PVC	0.5	1	1	2.5	1	2.5	0						0	0	No defects observed	None	2016	0145-0458			
Street	Toepfer	SW6101	NS59-16-3		NS59-16-3SE	15	12	VCP	0.5	1	1	2.5	2.5	6.25	0						0	0	Long Crack(9'), Mult Crack(10')	None	2016	0145-0458			
Street	Collinson	SW6102	NS59-18		NS59-18N	28	12	VCP	0.5	0.5	1	2	3	6	0						0	0	Mult Crack T/O, Lt and Med Roots at joints T/O	Dig Mainline	2016	0145-0458			
Street	Collinson	SW6103	NS59-18		NS59-18NW	16	12	VCP	0.5	0.5	1	2	1.8	3.6	0						0	0	Long Crack(5', 8')	None	2016	0145-0458			
STREET	VERONICA	SW6104	NS59-13SW		NS59-13NW	25	10	RCP	0.5	0.5	1	2	2.4	4.8							0	0	LONG CRACKS @ 8', 13', 16'; MULT CRACKS @ 13'; END OF LINE; CONCRETE IN INVERT @ 8' - END OF LINE	NONE	2016	0145-0458			
Street	Ego	SW6106	NS59-9-3-6ANNW		NS59-9-3-6AW	28	12	RCP	0.5	0.5	1	2	1.5	3	0						0	0	Long Crack(15'), Med separated joint(23')	None	2016	0145-0458			
Street	Ego	SW6107	NS59-9-3-6A		NS59-9-3-6AW	35	12	RCP	0.5	0.5	1	2	1	2	0						0	0	Lt MD at joints(25'), Backflow preventer(34')	None	2016	0145-0458			
Street	Toepfer	SW6108	NS59-9-0-2B	6	NS59-9-0-2BNW	60	12	VCP	0.5	1	1	2.5	2.5	6.25	0						0	0	Hinge Fracture(6'-12'), Long Crack(4', 18', 20', 36', 48'), Med OS joint(22'-60')	None	2016	0145-0458			
Street	Crusade	SW6109	NS59-9-1CSW		NS59-9-1CNW	26	12	RCP	0.5	0.5	1	2	2.4	4.8	0						0	0	Long Crack(9', 13', 18'), Mult Crack(18', 23')	None	2016	0145-0458			
Street	Crusade	SW6110	NS59-9-1C		NS59-9-1CSW	53	12	RCP	0.5	0.5	1	2	2	4	0						0	0	Long Crack(25', 26', 39', 44'), Lt MD at joints(39', 45'), Pipe reduces to 10"(50')	None	2016	0145-0458			
Street	Lincoln	SW6111	NS59-9-0-SSE		Blind Tap	35	12	VCP	0.5	0.5	1	2	2.5	5	0						0	0	Long Fracture(8'), Spiral Crack(10', 19'), Large OS joint(27'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Lincoln	SW6112	BLIND TAP		NS59-9-0-1N	28	12	VCP	0.5	0.5	1	2	2.8	5.6	1						1	0	Mult Crack(8', 14'-28'), Long Crack(15'), Lt MD at joints T/O	None	2016	0145-0458			
STREET	VERONICA	SW6113	NS59-11NE		NS59-11SE	25	10	RCP	0.5	0.5	1	2	2	4							0	0	LONG CRACKS @ 10', 19'; CONCRETE IN INVERT @ 17'; MSA DUE TO CONCRETE REVERSAL; NO DEFECTS REACHED POINT OF PREVIOUS INSPECTION	NONE	2016	0145-0458			
STREET	VERONICA	SW6114	NS59-11		NS59-11SE	47	12	VCP	0.5	0.5	1	2	2.5	5							0	0	LONG CRACK @ 23'; MULT CRACKS @ 36'; SIZE/MAT CHANGE @ 45' (10" RCP)	NONE	2016	0145-0458			
Street	Collinson	SW6115	NS59-9-1-2S		Blind Tap	8	12	VCP	0.5	0.5	1	2	2	4	0						0	0	Long Crack(7')	None	2016	0145-0458			
Street	Ego	SW6117	NS59-9-3		NS59-9-3S	27	12	RCP	0.5	0.5	1	2	1	2	0						0	0	No defects observed	None	2016	0145-0458			

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped							
Street	Universal	SW6118	NS59-9-4		NS59-9-4		14	10	PVC	0.5	0.5	1	2	2.5	5	0					0	0		Spiral and Mult Crack(11')	None	2016	0145-0458			
Street	Redmond	SW6119	EH59-NW		Blind Tap		29	12	VCP	0.5	0.5	1	2	2.1	4.2	1					1	0		Mult Crack(11', 21', 26'), Long Crack(15', 20')	None	2016	0145-0458			
Street	Redmond	SW6121	NS59-8		NS59-8AS		80	12	VCP	0.5	0.5	1	2	2	4	0					0	0		Long Cracks and med OS joints T/O, Size reduction to 10'(76")	None	2016	0145-0458			
Street	Shakespeare	SW6122	NS6-13-13-2A	5	NS6-13-13-2AE		18	10	RCP	0.5	0.5	1	2	2	4	0					0	0		Long Crack(10')	None	2016	0145-0458			
Street	Shakespeare	SW6123	NS6-13-15-2A	5	NS6-13-15-2AE		17	10	RCP	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458			
Street	Shakespeare	SW6124	NS6-13-17-2A	6	NS6-13-17-2AN		33	10	VCP	0.5	0.5	1	2	3	6						0					2016	0145-0458			
		SW6124	NS59-8-ONE		BLIND TAP					0.5	0.5	0.5	1.5	3.5	5.25	0					0	0		Broken pipe(6'), Mult Crack(7'-14', 19'-26')	Dig Mainline	2016	0145-0458			
Street	Cushing	SW6127	NS6-13-6-3W		NS6-13-6-3		166	12	RCP	0.5	0.5	1	2	3	6	4					4	1		Mult Cracks T/O, Broken pipe(156', 164')	FCI/PP	2016	0145-0458			
Street	Collinson	SW6132	NS6-15-4ASW		NS6-15-4A		62	12	VCP	0.5	0.5	1	2	4	8						0				Dig Mainline	2016	0145-0458			
Street	Collinson	SW6133	NS6-15-4ANW		NS6-15-4A	5	60	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458			
Street	David	SW6134	NS6-17-3A	4.6	NS6-17-3	8.5	153	12	VCP	0.5	0.5	1	2	3	6						0				FCI/PP	2016	0145-0458			
Street	Juliana	SW6135	NS6-18-2BSW		NS6-18-2BNW	4	28	12	RCP	0.5	0.5	1	2	1	2						0				None	2016	0145-0458			
STREET	VERONICA	SW6141	EH-32-10NW	2.5	EH-32-10NE		48.4	6	VCP	0.5	1	1	2.5	1	2.5						0			NO CALLOUTS MADE/NO VIDEO REVIEWED			2016	0145-0458		
Street	Ego	SW6146	B17-5-1		B17-5		41	15	RCP	0.6	1	1	2.6	1	2.6	0					0	0		L1 MD at select joints T/O	None	2016	0145-0458			
Street	Toepfer	SW6151	B5-3-1NE		B5-3-1NNE		30	10	RCP	0.5	1	1	2.5	3	7.5	0					0	0		Long Crack(9'), Large Separated joint(16'), Hole with soil visible(18')	Dig Mainline	2016	0145-0458			
Street	Rausch	SW6155	NS37-2		NS37-2S		11	12	RCP	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458			
Street	Pleasant	SW6156	E23-2N		E23-2		143	12	VCP	0.5	0.5	1	2	2	4						0				None	2016	0145-0458			
Street	Toepfer	SW6160	B9		B9SE		35	10	VCP	0.5	1	1	2.5	3	7.5	0					0	0		Hole and Mult Fracture(5'), Med OS joint(26', 29')	Dig Mainline	2016	0145-0458			
Street	Ego	SW6162	NS6-13-17-2ASE	4	NS6-13-18		266	10	RCP	0.5	0.5	1	2	1	2	1					1	0		Med OS joint(8'), L1 MD at joints(106', 227')	None	2016	0145-0458			
Street	Easement South of Mott	SW6163	B9-1-1A		B9-1-1		207	18	RCP	0.6	0.5	1	2.1	2	4.2	0					0	0		Sag(67'), L1 MD at joints(20', 28', 36')	None	2016	0145-0458			
Street	Phlox	SW6167	NN42-21-5-1N	6	NN42-21-5-1		19	12	RCP	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Dodge	SW6170	NN42-26-2	6	NN42-26-2ANNW		133	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long, Crack(17', 28', 53', 72'-77'), Mult Crack(48', 98', 128'), Hinge Fracture(73', 77'-87', 100')	FCI/PP	2016	0145-0458			
Street	Veronica	SW6172	EH-60		NS59-9-1ASE		73	12	RCP	0.5	0.5	1	2	2.1	4.2	1					1	0	Long, Crack(13'-20', 51'), Settled deposits(49', 58'), Size reduction to 10'(70')	None	2016	0145-0458			
Street		SW6173	NS59-2W		NS59-2		50	12	RCP	0.5	0.5	1	2	2.4	4.8						0				None	2016	0145-0458		
Street		SW6174	NS59-2NW		BLIND TAP		35	12	RCP	0.5	0.5	1	2	2.5	5						0				None	2016	0145-0458		
Street	Toepfer	SW6175	NS6-13-9-2-1		NS6-13-9-2	3.8	116	12	VCP	0.5	0.5	1	2	3.5	7	0					0	0	Long, Cracks, Hinge Fractures and Mult Cracks T/O, Broken(114')	Dig Mainline (110'-116')	FCI/PP	2016	0145-0458		
STREET	OAK	SW6176	NS2-1-5		BULKHEAD-W		137	12	VCP	0.5	0.5	1	2	3.1	6.2						0		LONG CRACKS/HINGE CRACKS THROUGHOUT; MEDIUM OFFSETS THROUGHOUT; LINE ENDS AT BULKHEAD, BUT HAS ANOTHER LINE DUMPING INTO IT AT 137' AS WELL			2016	0145-0458		
STREET	RAVEN	SW6177	NS2-7-2-1		NS2-7-2		136.6	12	VCP	0.5	0.5	1	2	3.3	6.6						0		HINGE CRACKING @ 9'23", 35'-39'; LONG CRACK THROUGHOUT; HEAVY ROOTS @ 136', MSA DUE TO ROOTS			2016	0145-0458		
STREET	RAVEN	SW6178	NS2-8-2		NS2-8-2A		151	12	VCP	0.5	0.5	1	2	3.3	6.6						0		MULT CRACKS THROUGHOUT-HINGE CRACKING (4) @ 55', 110'-138'	FCI/PP	2016	0145-0458			
Street	Ash	SW6180	NS2-14-1	4	NS2-14-1W		33	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(27")	None		2016	0145-0458			
Street	Ash	SW6181	NS2-14-1	4	NS2-14		130	10	RCP	0.5	0.5	1	2	2.5	5	1				1	0	Long, And Mult Cracks(37'-95')	None		2016	0145-0458			
STREET	ASH (EASEMENT)	SW6184	NS6-8-1A		NS6-8-1		125	12	RCP	0.5	0.5	1	2	3.3	6.6					0		MULT CRACKS THROUGHOUT-HINGE CRACK (3) @ 37' END OF LINE ALIGNMENT RIGHT @ 120'; CAMERA CAN NOT MAKE ALIGNMENT CHANGE	NONE		2016	0145-0458			
Street	Toepfer	SW6186	NS59-7A-3	5	NS59-7A-2		10	12	RCP	0.5	1	1	2.5	1	2.5					0		Limited access			2016	0145-0458			
Street	Redmond	SW6187	NS59-7	6	NS59-7A-1		201	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None		2016	0145-0458			
Street	Toepfer	SW6188	NS59-7A-3	5.2	NS59-7A-3E		23	12	VCP	0.5	1	1	2.5	2	5	0				0	0	Long, Crack(8', 16')	None		2016	0145-0458			
Street	Toepfer	SW6190	NS59-7		NS59-7SSE		45	12	VCP	0.5	1	1	2.5	2	5	1				1	0	Long, Cracks(7'-18'); Pipe reduces to 8"(43'); Survey abandoned(45')-reduced pipe size	None		2016	0145-0458			
Street	Shakespeare	SW6207	NS6-13-26B	5.5	NS6-13-26A		46	10	VCP	0.5	0.5	1	2	1.8	3.6	2				2	0	Med OS joint(8', 44'); Long, Crack(26', 30'), Long, Fracture(33')	None		2016	0145-0458			
Street	Shakespeare	SW6208	NS6-13-26B	5.5	NS6-13-21-2		147	12	CIPP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None		2016	0145-0458			
Street	Crusade	SW6209	NS59-9-2-4A		NS59-9-2-4		133	12	VCP	0.5	0.5	1	2	3.5	7	0				0	0	Hinge cracks and fractures T/O, Broken(130'), L1 MD and L1 Roots at select joints T/O	FCI/PP	2016	0145-0458				
STREET	HOLLAND	SW6210	NS2-3-2		NS2-3-1		36	12	VCP	0.5	0.5	1	2	2.8	5.6					0		LONG CRACKS THROUGHOUT	NONE		2016	0145-0458			
STREET	HOLLAND	SW6211	NS2-3-1		NS2-3		54.9	12	VCP	0.5	0.5	1	2	4.3	8.6					0		HINGE CRACK @ 5'-8'; MSA @ 13' DUE TO REBAR STUCK IN JOINT; UNVERSAL LONG CRACKS @ 54'-9"; REPAIR POINT OF PREVIOUS INSPECTION	Dig Mainline		2016	0145-0458			
STREET	HOLLAND	SW6212	NS2-4-1		NS2-3		98	12	VCP	0.5	0.5	1	2	3.6	7.2					0		MULT CRACKS @ 7'-END OF LINE: HINGE FRACTURING @ 54'-9"	FCI/PP		2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Elmwood	SW6213	NS68-5		NS68-5S		15	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Lt to Med Roots at joints T/O	None	2016	0145-0458			
STREET	MOTT (ALLEY)	SW6221	NS6-10		NS6-10NE		32	12	RCP	0.5	0.5	1	2	2	4					0	0	LONG CRACK @ 11'; RESTRICTED TO 4" @ CB	NONE	2016	0145-0458			
STREET	LISTER (ALLEY)	SW6223	NS6-8ANE		NS6-8A		13	12	RCP	0.5	0.5	1	2	2	4					0	0	SPIRAL FRACTURE @ 12'	NONE	2016	0145-0458			
STREET	ROSETTA (ALLEY)	SW6224	NS6-6N		NS6-6		26	12	RCP	0.5	0.5	1	2	1	2					0	0	CIRCUMFERENTIAL CRACK/DEPOSIT @ 24"	NONE	2016	0145-0458			
STREET	MORNINGSIDE	SW6225	NS2-7B		NS2-7BN		20	12	VCP	0.5	0.5	1	2	4	8					0	0	LARGE OFFSET WITH SOIL VISIBLE @ 1'; LONG CRACKS @ 6', 12'; TRAP AT CB	Dig Mainline	2016	0145-0458			
STREET	9 MILE	SW6238	NS63-1-2-3	3	NS63-1-2-2		12.9	8	VCP	0.5	1	1	2.5	3	7.5								MULT CRACKS @ 11'	NONE	2016	0145-0458		
STREET	9 MILE	SW6241	NS46-1A	4.5	N47A		39.9	10	PVC	0.5	1	1	2.5	1	2.5								OFFSET JOINTS THROUHOUT	NONE	2016	0145-0458		
STREET	9 MILE	SW6242	NN42-1	15	NN42-1SW		45.2	12	RCP	0.5	0.5	1	2	4	8					0	0	LARGE OFFSET JOINT/HOLE SOIL VISIBLE @ 24'; BROKEN @ 43', 44'; BOX TRAP AT CB	Dig Mainline	2016	0145-0458			
STREET	HOLLAND	SW6293	NS2-3-1		NS2-3-1E		10	12	VCP	0.5	0.5	1	2	3	6					0	0	MULT CRACKS @ 7'; TRAP AT CB	NONE	2016	0145-0458			
Street	Easement North of 8 Mile	SW6299	B20-2	3	B20-2SE		9	12	RCP	0.5	0.5	1	2	1	2	0				0	0	No defects observed	None	2016	0145-0458			
Street	Beaconsfield	SW6300	B7-3		B5-6SSE		28	10	RCP	0.5	0.5	1	2	2	4	0				0	0	Long Crack(8', 10', 14', 20', 22')	None	2016	0145-0458			
Street	Beaconsfield	SW6301	B7-5NNE		B5-7		59	12	RCP	0.5	0.5	1	2	2	4	0				0	0	Large Separated joint(53")	None	2016	0145-0458			
Street	Beaconsfield	SW6303	B7-5NE		B7-5NNE		32	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Spiral crack(12'), Hole with soil visible(23")	Dig Mainline	2016	0145-0458			
Street	8 Mile	SW6304	B7-7W		B7-7		37	10	RCP	0.5	1	1	2.5	3	7.5	0				0	0	Large Separated joint(31', 34'), Hole(34')	Dig Mainline	2016	0145-0458			
Street	David	SW6308	NS33-2		NS33-2S		21	12	VCP	0.5	0.5	1	2	3	6	0				0	0	Spiral Fracture(19')	Dig Mainline	2016	0145-0458			
STREET	9 MILE	SW6309	N41	4	NS40-1-1		39.7	12	RCP	0.5	1	1	2.5	1.5	3.75								OFFSET JOINTS @ 15', 18', 21'; MULTIPLE CRACKS @ 38"	NONE	2016	0145-0458		
STREET	9 MILE	SW6311	NS40-1A	4	NS40-1		37.6	12	VCP	0.5	1	1	2.5	2	5					0	0	MULT CRACKS @ 21'-25'	NONE	2016	0145-0458			
STREET	9 MILE	SW6313	NS31-1	20	NS30		82	12	RCP	0.5	1	1	2.5	1	2.5	1	2.5			0	0	OFFSET JOINT MEDIUM/DEPOSITS THROUHOUT	NONE	2016	0145-0458			
STREET	ROSETTA	SW6317	NS2-6B		NS2-6BE		89	12	VCP	0.5	0.5	1	2	2.8	5.6					0	0	CLONG CRACKS @ 10'; MULT CRACKS @ 15'-END OF LINE; RESTRICTED TO 4" AT CB	NONE	2016	0145-0458			
STREET	LISTER	SW6318	NS2-8ANW		NS2-8A		51	10	RCP	0.5	0.5	1	2	3	6					0	0	LONG FRACTURES @ 21' END OF LINE; MAT CHANGE @ 34' (VCP), 36' (RCP); VCP TRAP AT CB	NONE	2016	0145-0458			
Street	8 Mile	SW6319	B7-9		B7-9S		13	12	RCP	0.5	1	1	2.5	1	2.5	0				0	0	L1 MD at joint(?)	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	8 Mile	SW6321	B7-12		B7-12W		14	12	RCP	0.5	1	1	2.5	1	2.5	0					0	0	Lt MD at joints(7', 10')	None	2016	0145-0458		
Street	Flower	SW6373	NN66-10-1-N	3	NN66-10-1-W		28	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(8', 12', 18'), Wall Missing(22')	Dig Mainline	2016	0145-0458		
Street	Flower	SW6374	NN66-10-1-2N		NN66-10-1-2NW		27	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Long Crack(7'), Med OS joint(10', 16', 22'), Mult Crack(13'-27')	None	2016	0145-0458		
Street	Flower	SW6375	NN66-10-1-2SW		NN66-10-1-2W		27	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long Crack(9'), Hinge Fracture(10'), Mult Crack(19')	Dig Mainline	2016	0145-0458		
Street	Flower	SW6376	NN66-10-1-3	6.5	Northwest		2	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Survey abandoned(2')-Bulkhead	Abandon Line-Flowable fill with bulkhead at manhole	2016	0145-0458		
Street	Flower	SW6377	NN66-10-1-3	6.5	West		22	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long Crack(13', 15'), Hinge Fracture(19'), Lt MD at joints(4', 7', 15')	Abandon Line-Flowable fill with bulkhead at manhole	2016	0145-0458		
Street	Flower	SW6378	NN66-10-1-4	6.5	NN66-10-1-4NW		46	12	VCP	0.5	0.5	1	2	1.5	3	0					0	0	Med OS joint(8'), Long Crack(23'), Lt Roots at joint(30'), Size reduction to 10'(42')	None	2016	0145-0458		
Street	Fern	SW6379	NN66-10-2-1S	3.5	NN66-10-2-1SW		26	12	VCP	0.5	0.5	1	2	1.9	3.8	0					0	0	Mult Crack(7'-26'), Med OS joint(9', 12', 18'), Long Crack(15'), Large OS joint(25')	None	2016	0145-0458		
Street	Fern	SW6380	NN66-10-2-2SW	4.5	NN66-10-2-2W		27	12	VCP	0.5	0.5	1	2	1.3	2.6	0					0	0	Med OS joint(8', 10'), Sag(16'), Lt MD at joint(4'), Size reduction to 10"(24')	None	2016	0145-0458		
Street	Rosebud	SW6381	NN66-10-3-3	6.5	Bulkhead		46	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Med OS joint(16', 18'), Long Crack(30', 36', 40', 42', 44'), Mult Crack(20', 32'), line ends in Bulkhead	None	2016	0145-0458		
Street	Lambrecht	SW6382	NN16-10-15NW		NN29-8SE		31	8	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joints T/O, Survey abandoned(18')-Hvy Roots, Reverse-Survey abandoned(17')-Hvy Roots	None	2016	0145-0458		
Street	Grove	SW6383	NN66-11-1N	3	NN66-11-1NW		25	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(4', 8'), Lt MD at joints(8', 15', 22')	Dig Mainline	2016	0145-0458		
Street	Grove	SW6384	NN66-11-2	5	EOL (West)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Line ends in bulkhead(2')	None	2016	0145-0458		
Street	Grove	SW6385	NN66-11-3N	3	NN66-11-3NW		26	10	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Grove	SW6386	NN66-11-4N	3	NN66-11-4NW		26	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks(3'-7', 10', 16'), Alignment up(22')	Dig Mainline	2016	0145-0458		
Street	Dale	SW6387	NN66-12-2		NN66-12-2SW		42	10	VCP	0.5	0.5	1	2	3.3	6.6	0					0	0	Long, And Mult Cracks T/O, Hinge Fracture(18', 35', 39', 40'), Line ends at bulkhead(42')	Bulkhead in MH and abandon line	2016	0145-0458		
Street	Dale	SW6388	NN66-12-4	7	NN66-12-4SW		44	10	VCP	0.5	0.5	1	2	2	3.2	6.4	0				0	0	Hinge Fracture(11', 42'), Mult Crack(36'), Long Crack(38', 40'), Line ends at bulkhead(44')	Bulkhead in MH and abandon line	2016	0145-0458		
Street	Laetham	SW6389	NN66-14-2W	3	NN66-14-2SW		23	10	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(14), Long Crack(17'), Lt MD at joint(7'), Lt Roots at joint(19'), Med Root at joint(22')	None	2016	0145-0458		
Street	Valley	SW6390	NN66-15-2	5.5	NN66-15-2W		48	10	VCP	0.5	0.5	1	2	2.9	5.8	0					0	0	Mult Crack(3), Long Crack(5', 9', 20', 21', 25'), Hinge Fracture(13', 15')	Bulkhead MH and abandon line	2016	0145-0458		
Street	Valley	SW6391	NN66-15-4	7.5	NN66-15-4SW		46	10	VCP	0.5	0.5	1	2	4	8	0					0	0	Hinge Fracture(15', 18', 38', 42'), Mult Crack(19', 35'), Lt Roots at joints(28'-45'), Pipe reduces to 4"(46")	Dig Mainline	2016	0145-0458		
Street	Valley	SW6392	NN66-15-4SE	3	NN66-15-4E		25	10	VCP	0.5	0.5	1	2	1	2	0					0	0	Lt Roots at joints T/O	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Rosalind	SW6394	B12-5SE	4	B12-NE		26	10	RCP	0.5	0.5	1	2	1.5	3	0					0	0	Med OS joint(13'), Spiral Crack(13')	None	2016	0145-0458		
Street	Bell	SW6395	NN42-19-1A		CB-West		105	10	RCP	0.5	0.5	1	2	1.7	3.4	0					0	0	Med OS joint(9'), Long. Crack(11', 12')	None	2016	0145-0458		
Street	Hauss	SW6396	NN42-22W		NN42-22NW		26	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Med OS joint(12', 15'), LI Roots at joints T/O	None	2016	0145-0458		
Street	Lambrecht	SW6397	NN29-9-1-SSSE		Blind Tap		32	12	PVC	0.5	0.5	1	2	3.7	7.4	0					0	0	Hinge Fracture(7', 9'-32'), Rocks(17')	Dig Mainline	2016	0145-0458		
Street	Forest	SW6399	NN29-9-0W	3	NN29-9-0N		28	12	RCP	0.5	0.5	1	2	1	2	0					0	0	Infiltration stain(11', 12', 13')	None	2016	0145-0458		
Street	Bell	SW6400	NN42-15-2N		NN42-15-2NW		60	12	RCP	0.5	0.5	1	2	3.5	7	0					0	0	Long. Crack(5'-48'), LI H2S damage(31', 33', 34')	Dig Mainline	2016	0145-0458		
Street	Cushing	SW6401	NN42-13-3N	3	NN42-13-3NNW		28	12	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Chesterfield	SW6402	NN42-13-3NW		NN42-13-3W		28	12	PVC	0.5	0.5	1	2	1	2	0					0	0	Settled Gravel(11')	None	2016	0145-0458		
Street	Kelly	SW6403	EH-32-15-1	4	EH-32-15		11	12	RCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458		
Street	Easement South of Mott	SW6404	B4-2-3		B4-2-3-1		149	12	VCP	0.5	0.5	1	2	1.8	3.6	0					0	0	Mult Crack(26', 149') Med OS joint(46', 78', 84'-149'), Long. Crack(87', 102'), LI MD at joints(57'-149')	None	2016	0145-0458		
Street	Raven	SW6405	B9-1	5	B9-1N		34	12	RCP	0.5	1	1	2.5	2	5	0					0	0	Long. Crack(8', 27'), Size reduction to 4"(30')	None	2016	0145-0458		
Street	Veronica	SW6406	B11-02SE		B11-0-2SSE		26	12	RCP	0.5	0.5	1	2	1.8	3.6	0					0	0	Long. Crack(7', 14', 20', 24'), Circ. Crack(26')	None	2016	0145-0458		
Street	Street	SW6407	B17-2		B17		37	24	RCP	0.8	0.5	1	2.3	2	4.6	0					0	0	Long. Crack(4'), Spiral Crack(7'), LI MD at joints(32')	None	2016	0145-0458		
Street	Piper	SW6408	NN49-5N	3	NN49-5NW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(5', 8'-20', 22'), LI MD at joints(5', 16', 18')	Dig Mainline	2016	0145-0458		
Street	Beaconsfield	SW6409	B7-4		B7-4A		293	21	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	LI MD at joints T/O	None	2016	0145-0458		
Easement	Gratiot Esmt	SW6410	NN42-29		CB-West		75	12	VCP	0.5	0.5	0.5	1.5	1.7	2.55	1				1	0	Med OS joint(6'), Long. Crack(18', 65')	None	2016	0145-0458			
Field	Flower	SW6411	NN66-10-14		East		145	12	VCP	0.5	0.5	0.5	1.5	3	4.5	0				0	1	Long. Crack(72', 109', 137'), Hinge Fracture(101'), LI MD at joints(9', 59', 66', 69'-86')	6' SCIPP (98'-104')	2016	0145-0458			
Street	Flower	SW6412	NN66-10-14		Northwest		45	12	VCP	0.5	0.5	1	2	3.2	6.4	0				0	0	Long. Crack(12', 16', 28'), Hinge Fracture(14', 19'), Mult crack(45'), Survey abandoned(45')-Bulkhead	None	2016	0145-0458			
Street	Flower	SW6414	NN66-10-1-5		West		16	12	VCP	0.5	0.5	1	2	5	10	0				0	0	Broken(16'), Lines ends at bulkhead	Abandon Line--Flowable fill with bulkhead at manhole	2016	0145-0458			
Street	Flower	SW6415	NN66-10-1-6		Southwest		72	10	RCP	0.5	0.5	1	2	1	2	0				0	0	Circ. Crack(67'), LI MD at joints(18', 24', 30', 61'), Line ends at bulkhead(72')	None	2016	0145-0458			
Street	Fern	SW6416	NN66-10-2-1		Northwest		23	12	VCP	0.5	0.5	1	2	2.7	5.4	0				0	0	Mult Crack(5', 6'), Sag(9'), LI MD at joint(12')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Rosebud	SW6417	NN66-10-3-4		North		94	8	VCP	0.5	0.5	1	2	2	4	1					1	0	Debris in lat(6'), Circ. Crack(65'), Spiral Crack(70'), Hole(73'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Phlox	SW6418	NN66-10-4-3		Northwest		48	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long Crack(16', 23'), Mult Crack(47'), Bulkhead or Collapse(48')	Bulkhead in MH and abandon line	2016	0145-0458			
Street	Rein	SW6422	NN42-6-1A	6	NN42-9-2NW		52	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Sag(17'), Missing Wall(27')	Dig Mainline	2016	0145-0458			
Street	Melrose	SW6423	NN42-6-3-1NW	4.2	NN42-6-3-1	4.5	55	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult crack(7', 9'), Long Crack(14'-34', 44')	None	2016	0145-0458			
Street	Piper	SW6426	NN49-4		EOL(North)		45	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Large OS joint(2'), Lt MD at joints(11', 37', 41'), Line ends in bulkhead(45')	None	2016	0145-0458			
Street	Piper	SW6430	NN49-6		EOL(Northwest )		50	12	VCP	0.5	0.5	1	2	2.4	4.8	0					0	0	Mult Crack(13', 29', 37'), Long Crack(24', 28', 31', 49'), Survey abandoned(50')-Debris	None	2016	0145-0458			
Street	Rein	SW6431	NN47-2	6	EOL(East)		30	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Mult Crack(8', 26')Lt MD at joints(5', 11', 13'), Line ends in bulkhead(30')	None	2016	0145-0458			
Street	Hayes	SW6432	NN70-1-1	12	EOL (Northwest)		25	12	VCP	0.5	1	1	2.5	1	2.5	0					0	0	Pipe material in line(8'), Line ends in bulkhead(25')	None	2016	0145-0458			
Street	Grove	SW6433	NN66-3		EOL (Northwest)		39	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(8', 10', 13'), Line ends in bulkhead	None	2016	0145-0458			
Street	8 Mile	SW6434	B7-9A		B7-8		47	18	RCP	0.6	1	1	2.6	1	2.6	0					0	0	Lt MD at joints T/O	None	2016	0145-0458			
Street	Tuscany	SW6439	NN29-9-2-4		EOL (Southwest)		43	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long Crack(10', 35', 37', 43'), Mult Crack(19'), Lt MD at joints(4', 14', 39'), Line ends in bulkhead	None	2016	0145-0458			
Street	Saxony	SW6440	NN29-11-2		EOL (West)		62	12	VCP	0.5	0.5	1	2	3.5	7	0					0	0	Hinge Fractures and Med OS joints T/O, Line ends at bulkhead	Build MH FCIPP	2016	0145-0458			
Street	Brittany	SW6441	NN29-9-3-1	4	EOL (Northwest)		23	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Mult Crack(7'), Long Crack(19'), Spiral Fracture(22'), Lt MD at joints(9', 23'), Line ends in bulkhead(23')	None	2016	0145-0458			
Street	Forest	SW6442	NN29-9-0-3		EOL West		40	12	VCP	0.5	0.5	1	2	3.7	7.4	0					0	0	Long Crack(8', 36'), Hinge Fracture(24', 28', 33'), Mult Crack(39'), Lt Roots at joints T/O, Line ends in Bulkhead	Bulkhead, fill line and abandon	2016	0145-0458			
Street	Cushing	SW6444	NN42-13-1-1SW		NN42-13-1-1SW		8	8	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed	None	2016	0145-0458			
Street	Hauss	SW6445	NN42-13-2-1		EOL Northwest		36	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Mult. Crack(12'), Long Crack(26'), Line ends in bulkhead	None	2016	0145-0458			
Street	Wilson	SW6446	NN42-17-5-2		EOL West		36	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Sag(16', 26'), Spalling(18', 21'), Long Crack(26')	None	2016	0145-0458			
Street	Agnes Ave	SW6448	NS59-21-2	9	NS59-21-1	9.5	479	18	CIPP	0.6	0.5	1	2.1	1	2.1	15	2	1	6	24	1				2007	0145-0320	2012	0145-0356	FCIPP
Street	Agnes Ave	SW6449	NS59-21-1	9.5	NS59-21	15.1	475	21	CIPP	0.6	0.5	1	2.1	1	2.1	12	2	1	4	7	26	2			2007	0145-0320	2012	0145-0356	FCIPP
Street	Agnes Ave	SW6450	NS59-21-3	9	NS59-21-2	9	145	15	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Mult. Cracks(19' to 34', 51')		2007	0145-0320			
Easement	EASEMENT BETWEEN JULIANA AND EGO	SW6452	NS6-13-6-5-1	12.7	NS6-13-6-5	14.1	266	18	VCP	0.6	0.5	0.5	1.6	1	1.6	11				1	12	2	Line in good condition		2011-2012	0145-0392			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location				
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped								
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW6453	NS6-13-6-7	10.9	NS6-13-6	11.7	270	18	VCP	0.6	0.5	0.5	1.6	1	1.6	8	2				10	6		Line in good condition		2011-2012	0145-0392				
Street	Lambrecht Ave	SW6454	NS28-7	10	NS28-6	12	373	15	VCP	0.6	0.5	1	2.1	3	6.3	2			3	1	6	12					2007	0145-0320			
Easement	EASEMENT BETWEEN STRICKER AND JULIANA	SW6455	NS6-13-6-8	11.3	NS6-19-1	12.3	339	12	HDPE	0.5	0.5	0.5	1.5	1	1.5	13	1	2			16	8					2011-2012	0145-0392	2013	0145-0433	Burst
Street	Schroeder Ave.	SW6462	*NS15-5	10.6	*NS15-4	10.8	21	15	CIPP	0.6	0.5	1	2.1	1	2.1	0					0	0				2007	0145-0320	2012	0145-0356	FCIPP	
Street	Brittany Ave	SW6477	NN29-9-3-1	14.2	NN29-9-3	15.5	23	21	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0		Line Ok		2007	0145-0320				
Alley	Lydia Ave	SW6478	NS59-22	14.3	NS59-21	15.1	329	36	RCP	0.8	0.5	0.5	1.8	1	1.8	8	8	8			16	1		Med MD in lats(64', 82', 124', 164', 183', 205'), Lt MD in lats(142', 225')		2007	0145-0320				
Street	Agnes	SW6479	NS59-21	5.2	NS59-21N		30	12	VCP	0.5	0.5	1	2	3	6	0					0	0		Mult Crack(5'-30'), Hinge Crack(12'), Hole(18')	Dig Mainline	2016	0145-0458				
STREET	STEPHENS	SW6486	NN66-10-1	20	NN66-10-1A		26.6	12	CMP	0.5	1	1	2.5	1	2.5										NO DEFECTS OBSERVED	NONE	2016	0145-0458			
Street	Liscomb Ave.	SW6487	NN58-1	15.4	Blind Tap	NA	21	27	RCP	0.8	1	1	2.8	1	2.8	0					0	0		Line OK		2007	0145-0320				
Street	Rausch Ave	SW6495	NN38-7	7.8	NN38-6	8.8	372	12	VCP	0.5	0.5	1	2	1	2	6		6		12	7		Pro lats(3', 33', 106', 170', 212', 228'), Mult. Cracks(145'), Long. Crack(359')		2007	0145-0320					
Alley	Alley between Kelly and Petersburg	SW6498	NN4-4	11.6	NN4-4A	12	51	36	RCP	0.8	0.5	0.5	1.8	1	1.8	0		1		1	0				Line in fair condition, Med MD in lat(39'), Med MD at joint(46')		2013	0145-0428			
Street	Stephens Rd	SW6499	NN42-6	21.6	NN29-4-4		121	24	VCP	0.8	0.5	1	2.3	1	2.3	3			1	4	0				Line Ok		2007	0145-0320			
Street	WILMONT BETWEEN OAK AND TOEPPER	SW6501	NS14-9	7	NS14-8	8.4	138	12	VCP	0.5	0.5	1	2	1	2	2				2				Line in good condition		2011-2012	0145-0392				
Easement	EAST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPPER	SW6502	CB13-6-4A		NS6-13-6-4	13.6	83	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4				4	2			Line in fair condition		2011-2012	0145-0392				
STREET	HOLLAND	SW6507	NS3-1-3A		NS3-1-3		124	12	VCP	0.5	0.5	1	2	2	2.6	5.2								LONG CRACKS/MULT CRACKS THROUGHOUT	NONE	2016	0145-0458				
STREET	9 MILE	SW6508	NBA-1	4	NBA-1S		25.4	12	RCP	0.5	1	1	2.5	2	5					0			CM @ 13'; CC @ 19'; DAE @ 22'; REPORT SAYS SW5392, CHANGED BY GIS TO SW6508		2016	0145-0458					
Street	Alley behind Southbound Gratiot East of Hayes Ave	SW6517	NS59-16-4	12.4	NS59-16-3	12.3	39	18	VCP	0.6	1	1	2.6	1	2.6	0				0	0			Line Ok		2007	0145-0320				
Street	Virginia	SW6519	NS59-8-0NE		Blind Tap		22	10	RCP	0.5	0.5	1	2	1.5	3	0				0	0		Med OS joint(7'), Long. Crack(13'), Gravel(11')	None	2016	0145-0458					
Street	Hayes Ave.	SW6523	NN70-1-5	10.8	NN70-1-4	9.3	345	12	VCP	0.5	1	1	2.5	1	2.5	3		6		9	6			Pro lats(84', 112', 150', 228', 270', 294'), Long. Crack(26')		2007	0145-0320				
Street	Cushing Ave, West Side of Street	SW6524	NN42-4	21.9	NN42-3		900	72	RCP	1	0.5	1	2.5	1	2.5	0				0	0			Line labeled wrong on video, Line OK		2007	0145-0320				
Street	Cushing Ave, West Side of Street	SW6525	NN42-2		NN42-1		797	72	RCP	1	0.5	1	2.5	1	2.5	0				0	0			Line Ok		2007	0145-0320				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	BOULDER BETWEEN 8 MILE AND TOEPPER	SW6563	NS59-6-6	15.8	NS59-6-5	15	234	36	RCP	0.8	0.5	1	2.3	1	2.3						0		Line in good condition, DAE Joint (14-47, 88-141)		2011-2012	0145-0392		
Street	Flower	SW6564	NN66-10-1-5	8	East-2	296	12	VCP	0.5	0.5	1	2	2	4	2					2	1	Long. Cracks and Lt MD at joints T/O		None	2016	0145-0458		
Street	Shakespeare	SW6566	NN51-3		NN51-3NE	100	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Med OS joints T/O, Mult Cracks T/O, Wall Missing(72'), Hole(95'), Size reduces to 4"(98'), Map, TV report and photo sent to city	Dig Mainline (95-100') FCIPP	2016	0145-0458			
Street	8 Mile Esmt	SW6569	B5-11E	4.5	EOL(North)	6	10	RCP	0.5	0.5	1	2	1	2	0					0	0	Line ends in bulkhead(2')		None	2016	0145-0458		
Street	Beaconsfield	SW6570	B4-1NE		NS2-10W	168	15	RCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Lt MD at joints T/O		None	2016	0145-0458		
Street	Forest	SW6571	NN29-9-0-5		EOL West	121	12	RCP	0.5	0.5	1	2	3	6	0					0	0	Spiral Crack(25'), Long. Crack(26'), Broken(121')	Dig Mainline-info given to consumers for repair	2016	0145-0458			
Street	Wilson	SW6572	NN42-17-4		EOL East	32	12	VCP	0.5	0.5	1	2	1.8	3.6	0					0	0	Long. Crack(49', 105'), Lt MD at joints T/O		None	2016	0145-0458		
Street	Kelly	SW6573	EH-32-14-5		EH-32-14	187	42	RCP	1	1	1	3	2.3	6.9	0					0	0	Long. Crack(10', 16'), Sag(16'), Med OS joint(20'), Lt MD at joints(23', 30'), Survey abandoned(32')-Mineral Deposit		None	2016	0145-0458		
Street	Toepfer	SW6574	B9-4		B9-4SW	100	12	RCP	0.5	1	1	2.5	3	7.5	0					0	0	Long. Crack (6', 19', 21', 22'), Spiral Crack(8', 21', Circ. Crack(28'), Survey abandoned(59')-Gas Line, Reverse-Lon. Cracks T/O, Broken(22'), Survey abandoned(57')-Gas Line	Send to Consumers for repair FCIPP	2016	0145-0458			
Street	Collinson	SW6575	Catch Basin	7.3	NS59-9-1-6AN	70	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Mult. Crack(8'-22', 39'-56', 63'), Long. Crack(26', 33', 38', 49', 59', 60')		None	2016	0145-0458		
Street	Toepfer	SW6577	NS59-7SE		Blind Tap	6	12	VCP	0.5	0.5	1	2	1	2	0					0	0	No defects observed		None	2016	0145-0458		
Street	Virginia	SW6578	NS59-8-0-3	3	NS59-8-0-3S	24	8	PVC	0.5	0.5	1	2	1	2	0					0	0	No defects observed		None	2016	0145-0458		
Street	Jean	SW6580	NS59-9-0-3		NS59-9-0-3N	48	12	VCP	0.5	0.5	1	2	1.7	3.4	0					0	0	Med OS joint(9', 38'), Spiral Fracture(41'), Size reduces to 4" and backflow preventer(45')		None	2016	0145-0458		
Street	Collinson	SW6581	NS59-9-1-2		NS59-9-1-3	138	12	VCP	0.5	0.5	1	2	4	8	1					1	0	Long. And Mult Cracks and Fractures T/O, Lt MD at select joints T/O	FCIPP	2016	0145-0458			
Street	Shakespeare	SW6582	NN51-4	5.4	EOL Northwest	39	12	VCP	0.5	0.5	1	2	1.9	3.8	0					0	0	Med OS joints T/O, Mult Crack(13'), Long. Crack(24', 33'), Survey abandoned(39')-bulkhead		None	2016	0145-0458		
Street	Shakespeare	SW6583	NN51-4	5.4	EOL Southwest	28	12	VCP	0.5	0.5	1	2	1.8	3.6	0					0	0	Long. Crack(5', 12', 15', 26'), Mult. Crack(11'), Survey abandoned(28')-bulkhead		None	2016	0145-0458		
Street	Shakespeare	SW6584	NN51-6	5.6	EOL NNW	33	12	VCP	0.5	0.5	1	2	1	2	0					0	0	Med OS joint(11'), Lt MD at joints T/O, Survey abandoned(33')-bulkhead		None	2016	0145-0458		
Street	Shakespeare	SW6585	NN51-6	5.6	EOL NW	49	12	VCP	0.5	0.5	1	2	2.2	4.4	0					0	0	Long. Crack(12', 18', 21', 24', 27', 43'), Mult. Crack(23', 38'), Lt MD at joints T/O, Survey abandoned(49')-bulkhead		None	2016	0145-0458		
Street	Shakespeare	SW6586	NN51-6		EOL South	24	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. Cracks T/O, Survey abandoned(24')-Bulkhead		None	2016	0145-0458		
Street	Evergreen	SW6587	NN54-4-5	4.6	EOL Northwest	35	10	RCP	0.5	0.5	1	2	2.5	5	0					0	0	Med OS joint(6'), Mult Crack(12', 14', 22'), Long. Crack(22', 24'), Survey abandoned(35')-bulkhead		None	2016	0145-0458		
Street	Melrose	SW6588	NN54-4	3.8	NN54-4NW	54	12	VCP	0.5	0.5	1	2	2.8	5.6	0					0	0	Long. Cracks(5'-12', 21-43'), Hing Fracture(45', 46', 54'), Survey abandoned(54')-bulkhead		None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Hofer	SW6589	NN54-6-1	5.4	EOL Southwest		13	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(8'-13'), Abandoned Survey(13')- Bulkhead		None	2016	0145-0458			
Street	Semrau	SW6590	NN54-6-2-1		CB - West		93	12	RCP	0.5	0.5	1	2	3	6	0				0	0	Li H2S damage T/O, Long Crack(44', 72'), Broken(57')		FCIPP	2016	0145-0458			
Street	Melrose	SW6591	NN54-6	7.2	EOL Northeast		24	12	VCP	0.5	0.5	1	2	2.1	4.2	0				0	0	Long, Crack(5'-18'), Multi Crack(10')				2016	0145-0458		
Street	Veronica	SW6593	NS59-9A	5.6	NS59-9AN		44	12	RCP	0.5	0.5	1	2	2	4	1				1	0	Med OS joints T/O, Long, Cracks T/O, Multi Crack(38'), Basflow preventer(42')			None	2016	0145-0458		
Street	Hayes	SW6594	NS59-16-2-1	4	NS59-16-2-1SE		22	12	VCP	0.5	1	1	2.5	2.3	5.75	0				0	0	Med OS joint(13'), Long, Crack(14', 19'), Hinge Crack(17'), Line ends in bulkhead			None	2016	0145-0458		
Street	Toepfer	SW6595	NS59-16-3-2A		NS59-16-3-2N		76	12	VCP	0.5	1	1	2.5	2.4	6	1	1			2	0	Med OS joint(9'-76'), Long, Crack(30', 35', 55'), Hinge Fracture(56'), Multi Crack(60')			None	2016	0145-0458		
Street	Toepfer	SW6596	NS59-16-3-4SSE		BLIND TAP		42	12	VCP	0.5	1	1	2.5	2.1	5.25	1				0	0	Long, Cracks T/O, Multi Crack(11')			None	2016	0145-0458		
Street	Veronica	SW6597	NS59-17-1A	6.2	CB-SW		42	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Med OS joint(6'-42'), Multi Crack(S', 17', 21', 36'), Hinge Crack(24', 34')			None	2016	0145-0458		
Street	Nevada	SW6598	NS61-8	6	EH-57E		55	12	VCP	0.5	1	1	2.5	2	5	1			1	0	Med OS joint(8', 31'), Multi and Long, Cracks T/O			None	2016	0145-0458			
Street	Grove	SW6599	NN66-7		Bulkhead(NE)		41	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long, Crack(34'), Multi Crack(37'), Line ends in Bulkhead			None	2016	0145-0458		
Street	Shakespeare	SW6601	NS6-13-17-2AN	5	Cb (West)		28	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(11', 19')		FCIPP	2016	0145-0458			
Street	Ego	SW6602	NS6-13-17-2ANE	4	Blind Tap		35	8	RCP	0.5	0.5	1	2	2	4	0				0	0	Size increase to 10'(8'), long, Crack(24'), Li Roots at joints(16', 25')			None	2016	0145-0458		
Street	Juliana	SW6603	NS6-13-19-2A	5	NS6-13-20-1		253	10	RCP	0.5	0.5	1	2	1	2	1	1			1	0	Med OS joints(62'-253')			None	2016	0145-0458		
Street	Shakespeare	SW6604	NS6-13-26A	4.5	CB (NW)		59	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(6'-59')		Dig Mainline	2016	0145-0458			
Street	Shakespeare	SW6605	NS6-13-26A	4.5	Bulkhead(SW)		55	10	VCP	0.5	0.5	1	2	3	6	0				0	0	Mult Crack(7'-55'), Li Roots at joints T/O, Line ends in bulkhead			None	2016	0145-0458		
Street	Redmond	SW6606	NS59-8-2	4.4	EOL Northeast		35	12	VCP	0.5	0.5	1	2	2.5	5	0				0	0	Long, And Mult Cracks T/O, LT MD at joints T/O, Line ends in Bulkhead(35')			None	2016	0145-0458		
Street	Redmond	SW6607	NS59-8-2	4.4	EOL Northwest		55	12	VCP	0.5	0.5	1	2	2.8	5.6	0				0	0	Mult Crack(5', 24', 30'), Long, Crack(16', 32, 46'), Hinge Fracture(41', 46'-55'), Line ends in bulkhead(55')			None	2016	0145-0458		
Street	Redmond	SW6608	NS59-8-3		EOL Northwest		66	12	VCP	0.5	0.5	1	2	2.7	5.4	1				1	0	Mult cracks(10', 18', 20'-66'), Long, Crack(18', 44'), Lt MD at joints(6', 10', 20'-66), Line ends in bulkhead(66')			None	2016	0145-0458		
Street	Ego	SW6609	NS59-9-3		EOL Northwest		72	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long, And Mult cracks T/O, Li MD at joints T/O, MH at end of line is buried			None	2016	0145-0458		
Street	Ego	SW6610	NS59-9-3		EOL West		64	12	VCP	0.5	0.5	1	2	2	4	0				0	0	Long, And Mult cracks T/O, Li MD at joints T/O, Line ends in bulkhead(64')			None	2016	0145-0458		
STREET	9 MILE	SW6628	NN64-0-1E	5	NS64-1B		39.9	12	RCP	0.5	1	1	2.5	2	5							LONGITUDINAL CRACKING @ 12', 14', 28'; MULTIPLE CRACKS @ 16'			NONE	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Proltruding	Offset	Broken Pipe	Total in Service	Capped						
STREET	9 MILE	SW6629	NN64-0-1E	5	NN64-0-2		198.8	12	RCP	0.5	0.5	1	2	3	6						0		SEPARATED JOINT 8'-16'; BROKEN @ 162'; ROOTS THROUGHOUT	3' SCIPP FROM 160'-163'	2016	0145-0458			
STREET	9 MILE	SW6630	NN66-2A	5	NN66-2AN		2	12	RCP	0.5	0.5	1	2	1	2									NO CALLOUTS MADE/NO VIDEO REVIEWED	NONE	2016	0145-0458		
STREET	EVERGREEN	SW6631	NN68-8-3		BULKHEAD NE		22	12	VCP	0.5	0.5	1	2	2.4	4.8									MULT CRACKS THROUGHOUT; TAP ROOT @ 20'; BULKHEADED AT 22'	NONE	2016	0145-0458		
STREET	9 MILE	SW6638	NS61-1W	4.5	N62		39	12	RCP	0.5	1	1	2.5	1.8	4.5									MULT CRACKS @ 8'-14'; MED OFFSET JOINTS @ 11'-14'; LONG CRACK @ 30'	NONE	2016	0145-0458		
STREET	STRICKER	SW6639	NS59-9-6A		BULKHEAD NW		49	12	VCP	0.5	0.5	1	2	3	6						0		MULT CRACKS;LONG CRACKS THROUGHOUT; HINGE FRACTURE (4) @ 37'-45'; MAT CHANGE TO RCP @ 45'; LARGE OFFSET/HOLE SOIL VISIBLE @ 47'; DEPOSITS THROUGHOUT;	Dig Mainline	2016	0145-0458			
STREET	SPRENGER	SW6640	NS59-9-2		BULKHEAD WEST		18	12	VCP	0.5	0.5	1	2	3	6						0		MULT CRACKS @ 11'-END OF LINE; DEPOSITS THROUGHOUT	NONE	2016	0145-0458			
STREET	SPRENGER	SW6641	NS59-9-2		BULKHEAD NW		37	12	VCP	0.5	0.5	1	2	2.4	4.8								MULT CRACKS;LONG CRACK THROUGHOUT; DEPOSITS THROUGHOUT; BULKHEAD @ 37'	NONE	2016	0145-0458			
STREET	SPRENGER	SW6642	NS59-9-2		BULKHEAD NORTH		36	12	VCP	0.5	0.5	1	2	5	10								LARGE OFFSETS @ 10'; 13'; 15'; BROKEN SOIL VISIBLE @ 15'; BULKHEAD @ 36'	DIG UP AND REMOVE LINE	2016	0145-0458			
STREET	SPRENGER	SW6643	NS59-9-2-3NE		NS59-9-1-3		155	12	VCP	0.5	0.5	1	2	2	4								LONG CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	2016	0145-0458			
STREET	WILMOT	SW6645	NS14-1		BULKHEAD-SW		24	12	VCP	0.5	0.5	1	2	3	6								JOINT OFFSET LARGE/HOLE SOIL VISIBLE @ 2'; MULT CRACKS THROUGHOUT	Dig Mainline	2016	0145-0458			
STREET	STRICKER	SW6647	NS6-13-26BNW-1		NS6-13-28		162	10	RCP	0.5	0.5	1	2	3	6					0		LONG FRACTURE BEGINNING OF LINE -12'; LONG CRACKS THROUGHOUT; VCP FACTORY TAP @ 32'; MATT CHANGE @ 40'; VCP; SAG @ 124'; CAMERA UNDERWATER	16' SCIPP FROM 0'-15'	2016	0145-0458				
STREET	ROSALIND	SW6648	NS6-3-2A		SW		49	12	VCP	0.5	0.5	1	2	3	6								HINGE FRACTURING (2) @ 29'-49'; SURVEY ABANDONED @ 49' DUE TO DEBRIS IN LINE	Dig Mainline	2016	0145-0458			
STREET	PETERSBURG	SW6649	NS3-1		NORTHWEST		7.1	12	VCP	0.5	0.5	1	2	3.3	6.6								MULT CRACKS; APPEARS TO BE BULKHEADED	NONE	2016	0145-0458			
STREET	OAK	SW6650	NS3-1-5A		SOUTHWEST		14	12	VCP	0.5	0.5	1	2	3	6								MULT CRACKS @ 10'-14'; LINE BLIND TIRES INTO UNKNOWN LINE @ 14'; UNKNOWN LINE BULKHEADED JUST WEST OF BLIND TIE	NONE	2016	0145-0458			
STREET	RAVEN	SW6652	NS2-9-2		SSE		93	12	VCP	0.5	0.5	1	2	3.3	6.6					0			LONG CRACKS THROUGHOUT; 12TH TIE @ 70' (9); DO NOT KNOW WHERE IT LEADS; LINE ENDS AT UNDOCUMENTED CB, WHICH APPEARS TO BE COVERED BY CONCRETE	LOCATE AND EXPOSE US CB	2016	0145-0458			
Alley	NORTH 8 MILE ALLEY BETWEEN CUSHING AND KELLY	SW6655	NS6-22A		NS6-22		12.6	67	21	RCP	0.6	0.5	0.5	1.6	3	4.8	1			1	2		Line in fair condition, CL (0-43)			2011-2012	0145-0392		
Street	Toepfer Rd	SW6657	NS59-16-3-3A	11	NS59-16-3-2		11.2	67	18	VCP	0.6	1	1	2.6	1	2.6	2			2	1		Line OK			2007	0145-0320		
Street	Veronica Ave	SW6658	NS59-9	20	NS59-8A		21	60	RCP	1	0.5	1	2.5	1	2.5	0				0	0		Line OK			2007	0145-0320		
Street	Jean Ave	SW6659	NS59-12-6	4.8	NS59-9-0-3A		8.3	126	12	VCP	0.5	1	1	2.5	4	10	0			0	0		Pro lists(6', 50'); Mult. Fractures w/ visible void			2007	0145-0320		
Street	Toepfer Rd	SW6660	NS59-7	20.3	NS59-7A		48	60	RCP	1	0.5	1	2.5	1	2.5	0				0	0		Line OK			2007	0145-0320		
Street	Boulder Ave	SW6661	NS61-1-7	10.8	*NS61-1-6A		8.8	201	12	VCP	0.5	0.5	1	2	1	2	3		1	3		7 4	Small OS in lists(9', 58'); Pro lists(56', 102')			2007	0145-0320		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Bell Ave, South side	SW6662	NN42-14-1	9.2	NN42-14	15.8	35	12	VCP	0.5	0.5	1	2	1	2	1					1	0	Line OK		2007	0145-0320		
Street	Cushing Ave, West Side of Street	SW6663	NN42-1		Blind Tap	NA	30	72	RCP	1	1	1	3	1	3	0					0	0	Line Ok		2007	0145-0320		
Alley	Easement West of Lambrecht and North of Stephens		NN16-10-17	17.6	NN16-10-16	17.8	82	27	RCP	0.8	0.5	0.5	1.8	1	1.8	0	3			3	0	Lt MD in lats(36°, 57°, 77°)			2007	0145-0320		
Alley	Alley between Kelly and Petersburg		NN4-3	12.1	NN4-3A	12.5	83	36	RCP	0.8	0.5	0.5	1.8	1	1.8	1				1	2	Line in fair condition, Lt MD at joints(10°, 62°, 74°, 78°)			2013	0145-0428		
Alley	Alley between Kelly and Petersburg		NN4-3A	12.5	NN4-2	14.5	273	36	RCP	0.8	0.5	0.5	1.8	1	1.8	3				3	0	Line in fair condition, Lt MD at select joints T/O			2013	0145-0428		
Alley	Alley between Kelly and Petersburg		NN4-4A	12	NN4-4B	12.2	232	36	RCP	0.8	0.5	0.5	1.8	1	1.8	9				9	12	Line in fair condition, Lt MD at joints(48°, 128°, 180°, 187°)			2013	0145-0428		
Alley	Alley between Kelly and Petersburg		NN4-4B	12.2	NN4-3	12.1	43	36	RCP	0.8	0.5	0.5	1.8	1	1.8	1				1	1	Line in fair condition, Lt MD at joints(9°, 13°)			2013	0145-0428		
Easement	Easement between Marine and Raven		NN1-6-4A		NN1-6-3	10.9	40,228	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	5		1		6	1	Line in fair condition, Pro lat(228°)			2013	0145-0428		
Easement	South Stephens Easement between Roxana and Almond		NN9-1-7B	11	NN9-8		157	12	VCP	0.5	0.5	0.5	1.5	1	1.5	1		1	1	3	3	Line in fair/poor condition, Small OS in lat(79°), Broken pipe in lat(98°), Mult. Fracture(12°-30°, 39°-117°, 126°-157°), Deformed(41°-117°),			2013	0145-0428	FCIIPP in 2016 (0145-0481)	
Easement	Easement between Holbrook and 9 Mile		NN4-2-1	9.6	NN4-2-1A		154	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	0				0	0	Line in good condition, No defects observed			2013	0145-0428		
Easement	Easement between Holbrook and 9 Mile		NN4-2-1A	10.9	NN1-2-1	11.6	170	12	CIPP	0.5	0.5	0.5	1.5	1	1.5	1				1	0	Line in good condition, No defects observed			2013	0145-0428		
Easement	EASEMENT BETWEEN STRICKER AND JULIANA		NS6-13-21-2A	7.9	NS6-13-21-2	7	147	12	VCP	0.5	0.5	0.5	1.5	1	1.5					0		Line in poor condition, B (24), SZ-C (0-40)			2011-2012	0145-0392	FCIIPP in 2013 (0145-0429)	
Easement	EASEMENT BETWEEN WARRINGTON AND ROXANA SOUTH OF 10 MILE		BULHEAD TO SOUTH		NN1-7-17-10	12.4	20	10	RCP	0.5	0.5	0.5	1.5	1	1.5	2				2		Line in good condition			2011-2012	0145-0392		
Easement	EASEMENT BETWEEN VERONICA AND LINCOLN		NS6-13-11-2A	5.4	NS6-13-11-2	6.3	156	12	VCP	0.5	0.5	0.5	1.5	1	1.5					0		Line in fair condition, CL (8-41°, 55-76°), SSS (54-76, -103)			2011-2012	0145-0392		
Easement	EASEMENT BETWEEN LINCOLN AND TOEPFER		NS6-13-9-2A	5	NS6-13-9-2	6.8	120	12	VCP	0.5	0.5	0.5	1.5	1	1.5					0		Line in fair condition, SSS (throughout)			2011-2012	0145-0392		
Easement	EASEMENT BETWEEN JULIANA AND EGO		NS6-18-2C	4.7	NS6-18-2B	6.8	10	12	RCP	0.5	0.5	0.5	1.5	1	1.5					0		Line in good condition			2011-2012	0145-0392		
Easement	Easement between Schroeder and Wilmet		NS15-1A	13.2	NS14-1	14.8	103	12	VCP	0.5	0.5	0.5	1.5	1	1.5	2				2	4	2 Line in fair condition, Cracked pipe in lat(12°). Collapsed pipe in lat(39°)			2015-2016	0145-0463		
Easement	Easement South of Stephens		NN12-1-7		NN12-1-7A		145	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2				1	3	3 Line in fair/poor condition, Broken pipe in lat(5°), Mult. Fracture(4°-76°, 84-111°, 121-145°), Broken pipe in manifolds(145°)			2013	0145-0428	FCIIPP in 2016 (0145-0481)	
Easement	Easement between Wilmet and Lexington		NN12-5-3-2		NN12-5-3-2A		132	15	VCP	0.6	0.5	0.5	1.6	1	1.6	3			2	1	6	0 Line in fair/poor condition, Broken pipe in lat(4°), Med OS in lat(10°, 107°), Mult. Fracture(19°-132°), Lt Roots at joints T/O			2013	0145-0428	FCIIPP in 2016 (0145-0481)	
Easement	Easement between Wilmet and Lexington		NN12-5-3-2A		NN12-5-3-1		242	15	VCP	0.6	0.5	0.5	1.6	1	1.6	5			3	8	1 Line in fair/poor condition, Med OS in lat(94°, 286°, 312°), Long Fracture(8°), Mult. Fracture(34°-79°, 120°-229°)			2013	0145-0428	FCIIPP in 2016 (0145-0481)		
Easement	Easement South of Stephens		NN12-1-7B	11.1	NN12-8	10.8	146	18	VCP	0.6	0.5	0.5	1.6	1	1.6	1			3	4	3 Line in fair condition, Lt Roots at joints T/O, Long Fracture(5°-61°), Multi Fracture(65°-119°), Survey Abandoned(119°)-Hvy Roots			2013	0145-0428	FCIIPP in 2016 (0145-0481)		

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										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Easement	Easement between Holbrook and 9 Mile	NN1-2-1	11.6	NN1-2-1A	12.3	43	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	0	1				1	0		Line in fair condition, Hwy MD in lat(19')		2013	0145-0428			
Easement	Easement South of Stephens	NN12-1-7A	10.7	NN12-1-7B	11.1	23	18	VCP	0.6	0.5	0.5	1.6	1	1.6	0					0	0		Line in good condition, No defects observed		2013	0145-0428			
Easement	Easement between Holbrook and 9 Mile	NN1-2-1A	12.3	NN1-2-1B	12.3	69	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	0					0	0		Line in good condition, No defects observed		2013	0145-0428			
Easement	Easement between Holbrook and 9 Mile	NN1-2-1B	12.3	NN1-2		198	18	CIPP	0.6	0.5	0.5	1.6	1	1.6	1	2				3	0		Line in fair condition, Med MD in lat(26', 47'), Med infiltration at off(108')		2013	0145-0428			
Easement	Easement South of Stephens	NN12-5-3-3	10.8	NN12-5-9		147	18	VCP	0.6	0.5	0.5	1.6	1	1.6	2	1				3	0		Line in fair condition, Lt Roots in lat(66'), Long. Fracture(108'), New MH found(147')-NN12-5-9		2013	0145-0428			
Easement	Easement South of Stephens	NN12-5-9		NN12-5-8	13.8	167	18	VCP	0.6	0.5	0.5	1.6	1	1.6	5					5	0		Line in fair condition, Settled deposits(34')		2013	0145-0428			
Easement	Easement between Kelly and Petersburg	NN4-9A		NN4-9	11.6	76	21	CIPP	0.6	0.5	0.5	1.6	1	1.6	2					2	0		Line in good condition, No defects observed		2013	0145-0428			
Easement	Easement between Roxana and Almond	NN9-7A	9.5	NN9-6	8.7	341	24	VCP	0.8	0.5	0.5	1.8	1	1.8	10					10	6		Line in fair condition, Long. Fracture(7'), Mult. Fracture(13', 27', 45', 52'), Detached(203', 341'), Broken Pipe(614')		2013	0145-0428	FClPP in 2016 (0145-0481)		
Easement	Easement South of Stephens	NN1-11A		NN1-11		16	24	RCP	0.8	0.5	0.5	1.8	1	1.8	0					0	0		Line in fair condition, Lt H2S damage T/O		2013	0145-0428			
Easement	Easement between Norton and Holbrook	NN1-4-1A		NN1-4-1		25	30	RCP	0.8	0.5	0.5	1.8	1	1.8	0					0	0		Line in fair condition, New MH found		2013	0145-0428			
Easement	Easement between Kelly and Petersburg	NN4-7A	12.2	NN4-6	12.8	51	30	RCP	0.8	0.5	0.5	1.8	1	1.8	0					0	0		Line in good condition, No defects observed		2013	0145-0428			
Easement	Easement between Roxana and Almond	NN9-7	9.7	NN9-7A	9.5	27	24	VCP	0.8	0.5	0.5	1.8	1	1.8	1					1	2		Line in fair condition, Long. Crack(25')		2013	0145-0428			
Easement	WEST CUSHING EASEMENT BETWEEN 8 MILE AND TOEPFER	NS6-13-22	12.4	NS6-13-21	12.5	14	30	RCP	0.8	0.5	0.5	1.8	1	1.8					0			Line in good condition			2011-2012	0145-0392			
Easement	Easement West of Beaconsfield and North of Ash	NS2-7A		NS2-7	15.5	155	30	CP	0.8	0.5	0.5	1.8	1	1.8	0					0	0		Line in good condition, No defects observed		2015-2016	0145-0463			
Easement	Easement West of Beaconsfield and North of Ash	NS2-8-0	12.6	NS2-8	14.5	152	30	CP	0.8	0.5	0.5	1.8	1	1.8	0					0	2		Called out capped connection as not capped		2015-2016	0145-0463			
Easement	Toepfer Easement between Schroeder and Wilmet	NS6-11-2	13.3	NS6-11-1		275	24	VCP	0.8	0.5	0.5	1.8	1	1.8	4				4	10		Line in fair condition, Long. Crack(138')			2015-2016	0145-0463			
Easement	Easement between 9 Mile and Holland	NS6-1-2A		NS6-1-1		54	27	VCP	0.8	0.5	0.5	1.8	1	1.8	1	1			2	1		Line in fair condition, Lt MD in lat(351')			2015-2016	0145-0463			
Easement	Easement between Rosalind and Almond	NS6-1-3A		ns6-1-2		75	24	VCP	0.8	0.5	0.5	1.8	1	1.8	1				1	2		Line in fair condition, Long. Crack(21')			2015-2016	0145-0463			
Easement	Easement between 9 Mile and Holland	NS6-1-1A		NS6-1		88	27	RCP	0.8	0.5	0.5	1.8	1	1.8									MH's and reports don't make sense, which line connects to NS6-1-1			2015-2016	0145-0463		
Easement	Easement between 9 Mile and Holland	NS6-1-1A		NS6-1-1B		68	27	RCP	0.8	0.5	0.5	1.8	1	1.8									MH's and reports don't make sense, which line connects to NS6-1-1			2015-2016	0145-0463		
Easement	Easement East of Norton	NN1-6-2	9.3	NN1-6-2A		124	12	VCP	0.5	0.5	0.5	1.5	3	4.5	2					2	5		Line in fair condition, Long. Fracture(27'), Mult. Crack(39'-46')			2013	0145-0428		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Easement	South Stephens Easement between Tepper and Roxana	NN9-1-7	10	NN9-1-7B		163	12	VCP	0.5	0.5	0.5	1.5	3	4.5	2	1				3	3	Line in fair condition, Li Roots in lat(20'), Lt MD at joints(2', 53'), Med OS joint(144), Long. Crack(144'), Long. Fracture(165')		2013	0145-0428			
Easement	South Stephens Easement between Tepper and Roxana	NN9-1-7A	9.9	NN9-1-7	10	166	12	VCP	0.5	0.5	0.5	1.5	3	4.5	1			1		2	5	Line in fair condition, Small OS in lat(81'), Lt MD at joint(12'), Long. Fracture(18', 20', 22', 29'), Circ. Fracture(161')		2013	0145-0428			
Easement	EASEMENT BETWEEN EGO AND SPRENGER	NS6-13-17-2A	5.3	NS6-13-17-2	10.4	162	12	VCP	0.5	0.5	0.5	1.5	3	4.5						0	Line in fair condition, SSS throughout, CM (19, 48, 59)			2011-2012	0145-0392			
Easement	EASEMENT BETWEEN SPRENGER AND COLLINSON	CB13-15A	2.6	NS6-13-6-3	16.1	168	12	VCP	0.5	0.5	0.5	1.5	3	4.5	5					5	1	Line in fair condition, CL (131-166)			2011-2012	0145-0392		
Easement	Easement between Kelly and Petersburg	NN4-10	10.2	NN4-9A		103	21	RCP	0.6	0.5	0.5	1.6	3	4.8	1	2				3	2	Line in fair condition, Li Roots in lat(2', 62'), Mult. Fracture(7'-42', 84'-132'), Deformed(84'-103'), Did not pan lateral at 62' at 10 o'clock-video fixed		2013	0145-0428			
Easement	Easement between Collinson and Ego	B16	17	B5-13	12.3	296	12	VCP	0.5	0.5	0.5	1.5	5	7.5	1					1	0	Line in poor condition, Hinge Fractures(88', 94', 112', 116', 203, 224'-236'), Broken(169-179', 200'-209')			2015-2016	0145-0463		
Field	Beaconsfield North of 9 Mile	NN1-10	11.2	NN1-10A	10.1	175	27	RCP	0.8	0.5	0.5	1.8	1	1.8	1	1		2	10	10	Line in fair condition, Pro lat(100'), Lt Roots in lat(144'), Li H2S damage T/O, Lt Roots at joints(13', 57', 62', 65', 70', 74', 78')			2013	0145-0428			
Parking Lot	Easement West of Lambrecht and South of 10 Mile Rd	NN16-10-2-16	17.8	*NN16-10-2-15A		92	12	VCP	0.5	0.5	0.5	1.5	1	1.5	4	1			5	2	Lt Roots in lat(12'), Long. Cracks T/O			2007	0145-0320			
Street	Easement between Jean Ave and Universal Ave	NS59-12-6	4.8	NS59-9-0-2B	6	390	12	VCP	0.5	0.5	1	2	1	2	0		2		2	0	Circ. Crack(119')			2007	0145-0320			
Street	Shakespeare Ave	NN42-6-2A	7.1	NN42-6-2	8	418	12	VCP	0.5	0.5	1	2	1	2	6		7		13	9	Pro lat(9', 17', 25', 114', 230', 231'), Line OK			2007	0145-0320			
Street	Ridgecroft	NN1-18A	.	NN1-18	18	180	8	CIPP	0.5	0.5	1	2	1	2	0				0	0	Line in fair condition, Size change from 8" to 10"(10'). Drop connection not reinstated			2013	0145-0428			
Street	Laetham	NN66-14-4	8	EOL (Northeast)		2	10	VCP	0.5	0.5	1	2	1	2	1				1	0	Mult and Long. Cracks T/O, Lt MD at joints T/O, US structure is buried	None		2016	0145-0458			
Street	Laetham	NN66-14-4	8	EOL (Northwest)		2	10	VCP	0.5	0.5	1	2	1	2	0				0	0	Mult and Long. Cracks T/O, Lt MD at joints T/O, Line ends at bulkhead(50')	None		2016	0145-0458			
Street	Donald	CB (East)		CB (North)		28	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Med OS joint(13'), Gravel Deposits(18'), Line ends in bulkhead(18')	None		2016	0145-0458			
Street	Forest	NN29-9-0-4		EOL Northwest		32	12	VCP	0.5	0.5	1	2	1	2	0				0	0	Mult Crack(7'-14', 18'), Lt MD at joints T/O	Dig Mainline		2016	0145-0458			
Street	Tuscany	NN29-9-2-4		EOL (North)		15	12	VCP	0.5	0.5	1	2	1	2	0			0	0	Long. Crack(7'), Mult Crack(13'-20'), Med OS joint(24'), Roots at joints(10', 18', 20'), Size reduces to 10'(22')	None		2016	0145-0458				
Street	David	NN32-4		Bulkhead (S)		7	12	VCP	0.5	0.5	1	2	1	2	0			0	0	Pipe ends at bulkhead(1')	None		2016	0145-0458				
Street	Rausch	NN38-4		Bulkhead (NE)		9	12	VCP	0.5	0.5	1	2	1	2	1			1	1	Mult and Long. Cracks T/O, Mult Fracture(87'), Utility thru sewer(87')(gas or water?)	Dig Mainline (84'-90') FC/PP		2016	0145-0458				
STREET	Donald	NN39-2N		NN39-2		6	12	VCP	0.5	0.5	1	2	1	2				0				None		2016	0145-0458			
Street	Cushing	NN42-13-5	4.6	NN42-13-4NW		41	12	VCP	0.5	0.5	1	2	1	2	0			0	0	Line ends in bulkhead(2')	Bulkhead MH and abandon line		2016	0145-0458				
Street	Rein	NN47-2		EOL (Northeast)		15	12	VCP	0.5	0.5	1	2	1	2	0			0	0	Mult Crack(6', 27'), Long. Crack(13', 28'), Lt MD at joints T/O, Survey abandoned(51')-pipe size increases to 24"	None		2016	0145-0458				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Piper	NN49-3		EOL (Northwest)		18	12	VCP	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458		
Street	Flower	NN66-10-1-5		Northeast		2	12	VCP	0.5	0.5	1	2	1	2	0					0	0		Mult Cracks T/O, Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Flower	NN66-10-1-5	6	East		70	12	RCP	0.5	0.5	1	2	1	2	0					0	0		Mult Cracks T/O, Long Crack(12', 20'), Hinge Crack(22'), Lt MD at joints T/O, Line ends at bulkhead(30')	None	2016	0145-0458		
Street	Flower	NN66-10-1-6	5	Northwest		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Mult Crack T/O, Hinge Crack(12', 18'), Lt MD at joints T/O, Line ends in bulkhead(20')	None	2016	0145-0458		
Street	Fern	NN66-10-2-1	6	Northeast		2	12	VCP	0.5	0.5	1	2	1	2	0					0	0		Settled deposits(5'), Line ends in bulkhead(5')	None	2016	0145-0458		
Street	Dale	NN66-12-1		EOL (East)		1	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Line ends in bulkhead(2')	None	2016	0145-0458		
Street	Dale	NN66-12-5		EOL (East)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Hinge Fracture(21'), Long Crack(29'), Sag(31'), Line ends in bulkhead(48')	Bulkhead MH and abandon line	2016	0145-0458		
Street	Dale	NN66-12-6	7	EOL (East)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Line ends in bulkhead(2')	Bulkhead MH and abandon line	2016	0145-0458		
Street	Laetham	NN66-14-1	7	EOL (East)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Line ends at bulkhead(7')	None	2016	0145-0458		
Street	Laetham	NN66-14-2	6	EOL (North)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Mult Crack(5'-50'), Hinge Crack(8'-50'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Laetham	NN66-14-5	5	EOL (East)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Lt Roots at joint(7')	None	2016	0145-0458		
Street	Laetham	NN66-14-6	8	EOL (West)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Mult and Hinge Cracks T/O, Med Roots at joints(6'), Lt MD at joints(11'-30'), CB is buried	Dig Mainline	2016	0145-0458		
Street	Laetham	NN66-14-6	6	EOL (East)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Hinge and Mult Cracks T/O, Deformed(26')	Dig Mainline	2016	0145-0458		
Street	Valley	NN66-15-1	5	EOL (East)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Spiral Crack(20'), Long Crack(23'), Lt MD at joint(16')	None	2016	0145-0458		
Street	Valley	NN66-15-3	7	EOL (East)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Long, Crack(16', 33'), Spiral Crack(89'), Lt MD at joints T/O	None	2016	0145-0458		
Street	Valley	NN66-15-4	7.5	EOL (Northwest)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		No defects observed	None	2016	0145-0458		
Street	Valley	NN66-15-5		EOL (East)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Spiral Crack(7'), Intruding sealing ring at joints T/O, Circ. Crack(22'), Settled deposits(37', 79')	None	2016	0145-0458		
Street	Grove	NN66-9		Bulkhead(East)		38	12	VCP	0.5	0.5	1	2	1	2	0					0	0		Mult Crack T/O, Long Crack(9', 19', 27'), Lt MD at select joints T/O, Bulkhead(38')	None	2016	0145-0458		
Street	Schroeder	NS15-6		NS15-6N		48	12	RCP	0.5	0.5	1	2	1	2	0					0	0		Mult Crack(8'), Med OS joint(50'), Broken(156')	None	2016	0145-0458		
Street	Maplewood	NS67-12W		NS67-12NW		26	12	VCP	0.5	0.5	1	2	1	2	0					0	0		Mult cracks T/O, Lt Roots at selected joints T/O, Size reduces to 10'(61')	Dig Mainline (81'-76') FCIP	2016	0145-0458		
Street	Maplewood	NS67-13		Bulkhead (NW)		20	12	VCP	0.5	0.5	1	2	1	2	0					0	0		Mult Cracks T/O, Med Roots at joints T/O,	Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped					
Street	Grove	NN66-11-1	5	EOL(East)		2	10	VCP	0.5	0.5	1	2	1	2	0					0	0		Survey abandoned(2')-Bulkhead	None	2016	0145-0458		
Street	Mott East of Kelly	B5-1-6	11.4	B5-1-5	12.2	298	10	VCP	0.5	0.5	1	2	1	2	10					10	0	Line in fair condition, Lt MD at select joints T/O			2015-2016	0145-0463		
Street	Cushing Ave	NN42-13-5	11.6	NN42-13-4	11.8	135	18	VCP	0.6	0.5	1	2.1	1	2.1	3			3	6	0	Small OS in lats(56'; 84'; 86'), Long. Crack(115')			2007	0145-0320			
Street	Lambrecht Ave	NS28-6	12.8	NS28-5	12	117	21	VCP	0.6	0.5	1	2.1	1	2.1	0		2	4	6	0	Small OS in lats(375'; 377'; 418'; 417'), Pro lats(451'; 453')			2007	0145-0320			
Street	Stephens Rd	NN1-7-21A	15.8	NN1-7-21B	16	37	18	VCP	0.6	0.5	1	2.1	1	2.1	1					1	0	Line in fair condition, Lt MD in lat(25')			2013	0145-0428		
Street	Stephens Rd	NN1-7-21B	16.4	NN1-7-20	15.8	52	18	VCP	0.6	0.5	1	2.1	1	2.1	0	1				1	0	Line in fair condition, Lt Roots in lat(25')			2013	0145-0428		
Street	Stephens Rd	NN1-7-21	16	NN1-7-21A	16.4	245	18	VCP	0.6	0.5	1	2.1	1	2.1	1					1	0	Line in fair condition, Lt Roots in lat(25'), Roots T/O, Survey Abandoned(48')-Roots and Debris, Line in fair condition, Roots T/O, Survey abandoned(197')-Debris			2013	0145-0428		
Street	Beaconsfield	B5-3A	16	B5-3	15.5	82	15	VCP	0.6	0.5	1	2.1	1	2.1	1					1	0	Line in fair condition, Lt MD in lat(34')			2015-2016	0145-0463		
Street	Oak West of Beaconsfield	NS2-5-1		NS2-5-1A		8	15	VCP	0.6	0.5	1	2.1	1	2.1	0					0	0	Line in good condition, No defects observed			2015-2016	0145-0463		
Street	Lambrecht North of Toepper	NS28-7A	9.9	NS28-6		225	15	PVC	0.6	0.5	1	2.1	1	2.1	3					3	0	Line in good condition, No defects observed			2015-2016	0145-0463		
Street	Stephens Rd	NN29-4-4A		NN29-4-3	12.6	319	27	RCP	0.8	0.5	1	2.3	1	2.3	7		1		8	1	Pro lat(141'), Inf. @ joint(283')			2007	0145-0320			
Street	Easement West of Lambrecht and North of Stephens	NN16-10-16	17.8	NN16-10-15	16.4	62	27	RCP	0.8	0.5	1	2.3	1	2.3	0	1			1	0	Li MD in lat(14), Video never makes it to downstream Mn b/c of debris in the tank camera couldn't get past			2007	0145-0320			
Street	Stephens Rd	NN42-6-1	8.3	*NN42-6	21.6	355	24	VCP	0.8	0.5	1	2.3	1	2.3	13	1	1		15	4	Pro lat(170'), Li Roots in lat(306'), Mulf. Crack(133', 238'), Weir wall(360')			2007	0145-0320			
Street	Stephens Rd	NN42-6-2	8	NN42-6-1	8.3	309	24	VCP	0.8	0.5	1	2.3	1	2.3	6		4		10	7	Pro lat(137', 171', 199', 211'), Circ. Crack(114'), Mf NNA42-6-1a does not exist			2007	0145-0320			
Street	Stephens Rd	NN42-6-3	8.5	NN42-6-2	8	308	24	VCP	0.8	0.5	1	2.3	1	2.3	5		1		6	8	Pro lat(8'), Line OK			2007	0145-0320			
Street	Shakespeare Ave	NS53-4	15	NS53-3	15.3	168	24	RCP	0.8	0.5	1	2.3	1	2.3	4	1			5	0	Line OK			2007	0145-0320			
Street	Crusade Ave	NS59-12-1	13.4	NS59-9-1C	18.4	286	30	RCP	0.8	0.5	1	2.3	1	2.3	0				0	0	Line OK			2007	0145-0320			
Street	Beaconsfield North of 9 Mile	NN1-8	11.4	NN1-8A	11.4	144	36	RCP	0.8	0.5	1	2.3	1	2.3	2				2	4	Line in fair condition, Li H2S damage T/O, Lt MD at joints(16'; 22'; 79'; 90';144')			2013	0145-0428			
Street	Beaconsfield North of 9 Mile	NN1-8A	11.4	NN1-7	11.5	143	36	RCP	0.8	0.5	1	2.3	1	2.3	1				1	6	Line in fair condition, Li H2S damage T/O, Lt MD at joints(26'; 53'; 97'; 105'; 126'; 131'), Long. Fracture(68')			2013	0145-0428			
Street	Beaconsfield North of 9 Mile	NN1-9	10.8	NN1-9A	11.2	145	36	RCP	0.8	0.5	1	2.3	1	2.3	2	1			3	4	Line in fair condition, Li MD in lat(130'), Li H2S damage T/O, Lt MD at select joints T/O, Li Infiltration at joints(93'; 101')			2013	0145-0428			
Street	Beaconsfield North of 9 Mile	NN1-9A	11.2	NN1-8	11.4	142	36	RCP	0.8	0.5	1	2.3	1	2.3				2	0	Line in fair condition, Li MD in lat(60'; 136'), Lt H2S damage T/O, Lt MD at joints T/O			2013	0145-0428				

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					PIPE COMMENTS	RECOMMENDATIONS	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location		
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Beaconsfield North of 9 Mile	NN1-10A	10.1	NH1-9	10.8	127	27	RCP	0.8	0.5	1	2.3	1	2.3	2	1					3	5	Line in fair condition, Med MD in lat(40'), Lt H2S damage T/O, Lt MD at joints(58'-101'), Lt infiltration at joint(58')		2013	0145-0428			
Street	Wilmot between Toepper and 9 Mile	NS14-2A		NS14-1		172	27	RCP	0.8	0.5	1	2.3	1	2.3	6						6	0	Line in good condition, No defects observed			2015-2016	0145-0463		
Street	Veronica Ave	Chamber (NS59-16)	17.5	NS59-16A		201	42	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line OK			2007	0145-0320			
Street	Veronica Ave	NS59-16A		*NS59-9-1E	18.5	167	42	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Lt MD at select joints T/O, Hard material/debris in line and jitter unable to remove			2007	0145-0320			
Street	Boulder Ave	NS59-3	22.8	NS61-1-5	10.7	103	72	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line OK			2007	0145-0320			
Street	Boulder Ave	NS59-5A	22.7	NS61-1-8	22.3	685	72	BRICK	1	0.5	1	2.5	1	2.5	2					2	0	Line OK			2007	0145-0320			
Street	Veronica Ave	NS59-8	19.7	NS59-7	20.3	810	60	RCP	1	0.5	1	2.5	1	2.5	23	5				28	0	Med MD in lats(202', 321', 358', 362', 401')			2007	0145-0320			
Street	Boulder Ave	NS61-1-1	11.3	Blind Tap	NA	50	72	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line OK			2007	0145-0320			
Street	Boulder Ave	NS61-1-4	24.8	NS61-1-1	11.3	645	72	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line OK			2007	0145-0320			
Street	Boulder Ave	NS61-1-5	10.7	NS61-1-4	24.8	225	72	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line OK			2007	0145-0320			
Street	Boulder Ave	NS61-1-8	22.3	NS59-3	22.8	866	72	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line OK			2007	0145-0320			
Street	Beaconsfield North of 9 Mile	NH1-2	14	Blind Tap	NA	160	54	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line in fair condition, Lt MD at joints(14', 30', 78', 134', 158'), Alignment left(144'), NH1-1 and MH1 do not exist			2013	0145-0428			
Street	Beaconsfield North of 9 Mile	NH1-7	11.5	NH1-7A	11.7	149	42	RCP	1	0.5	1	2.5	1	2.5	2					2	2	Line in fair condition, Lt H2S damage T/O, Lt MD at joints(30', 118')			2013	0145-0428			
Street	Beaconsfield North of 9 Mile	NH1-7A	11.7	NH1-6	12.5	146	42	RCP	1	0.5	1	2.5	1	2.5	3					3	4	Line in fair condition, Lt H2S damage T/O, Lt MD at joints(12'-146')			2013	0145-0428			
Street	Petersburg Ave	NS3-0		NS3		70	48	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line in good condition, No defects observed			2015-2016	0145-0463			
Street	Oak East of Kelly	NS3-4		E5		22	42	RCP	1	0.5	1	2.5	1	2.5	0					0	0	Line in fair condition, Lt MD at joints			2015-2016	0145-0463			
Street	Schroeder	NS15-3		NS15-3SSW		136	12	VCP	0.5	0.5	1	2	1.5	3	0					0	0	Li MD at joints(19', 26')			2016	0145-0458			
Street	Kelly	EH-32-14	10	CB		169	42	RCP	1	0.5	1	2.5	1.5	3.75	0					0	0	Mult Cracks T/O, Hinge Crack (14'), Large OS joint(16')	Dig Mainline	2016	0145-0458				
Street	Lincoln	BLIND TAP		NS59-17-2AN		32	12	VCP	0.5	0.5	1	2	2	4	1					1	0	Hinge Crack(6', 18'), Mult Crack(10'-24'), Lt MD at joints(6', 10'-24')	Dig Mainline	2016	0145-0458				
Street	Brittany	NN29-9-3-4		EOL (North)		7	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Line ends in bulkhead(2')			2016	0145-0458			
Street	Piper	NN49-6		EOL (Northeast)		9	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Long. And. Mult Cracks T/O			2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped				
Street	Gascony	NS23-5W		NS23-5NW		27	12	VCP	0.5	0.5	1	2	2	4	0					0	0	Mult Cracks(7'-54'), Long. Crack(10'), Hinge Crack(51'), Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Grove	NN66-11-5	6	EOL (West)		22	10	VCP	0.5	0.5	1	2	2.1	4.2	0					0	0	Long and Mult Cracks T/O, Lt MD at joints T/O, Line ends at bulkhead(50')	None	2016	0145-0458		
Street	Rosalind	ACB-1		B7-11		30	15	RCP	0.6	0.5	1	2.1	2	4.2	1					1	0	Mult Crack(16'-25'), Wall missing(5'), Survey abandoned(25')-Offset, Reverse-Mult Crack(8'), Long. Crack(9), Survey abandoned(125')-Offset part	Dig Mainline (122'-128') FCP	2016	0145-0458		
Street	Rosalind	ACB-1	10	B5-11		100	15	RCP	0.6	0.5	1	2.1	2	4.2	0					0	0	Long and Mult Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Hauss	NN29-9-2-4		EOL (South)		41	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Long. Crack(5'), Hinge Crack(5')/line ends at bulkhead(15')	None	2016	0145-0458		
Street	Piper	NN49-4		EOL(Northwest)		44	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Mult and Long. Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	Grove	NN66-11-4SW	3	NN66-11-4W		25	10	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	Mult Cracks T/O, Long. Crack(41'-43'), Hinge Crack(55'), Line ends in Bulkhead(56')	None	2016	0145-0458		
Street	Sprenger	NS59-9-2-6AN		NS59-9-2-6ANE		28	12	VCP	0.5	0.5	1	2	2.3	4.6	0					0	0	No defects observed	None	2016	0145-0458		
Street	Rosetta	NS2-1-7A		NS2-1-7		159	12	VCP	0.5	0.5	1	2	2.4	4.8	0					0	0	Long and Mult cracks T/O, Lt MD at joints T/O	None	2016	0145-0458		
Street	David	NN32-5		NN32-5W		47	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Line ends in bulkhead(2')	None	2016	0145-0458		
Street	Rausch	NN38-3		Bulkhead (WNW)		50	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(8', 9'-55'), Long. Crack(34', 37')	None	2016	0145-0458		
Street	Donald	NN39-4		Bulkhead (NNW)		38	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Line ends in bulkhead(8'), TV operator calls out collapse	Dig Mainline	2016	0145-0458		
Street	Donald	NN39-6		Bulkhead (NW)		50	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult cracks T/O, CB upstream is buried	Dig Mainline	2016	0145-0458		
Street	Normandy	NS18-5W		NS18-5NW		26	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack T/O, Lt MD at joints T/O	Dig Mainline	2016	0145-0458		
Street	Brittany	NS20-5		NS20-5NW		57	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Line ends in bulkhead(2')	None	2016	0145-0458		
Street	Brittany	NS20-5E		CB (NE)		51	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Line ends in bulkhead(2')	None	2016	0145-0458		
Street	Saxony	NS31-4		Bulkhead (NW)		55	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Long. And Mult cracks T/O, Hinge Crack(7', 24'). Line ends in bulkhead	None	2016	0145-0458		
Street	Donald	NS40-3		Bulkhead(W)		51	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult and Long. Cracks T/O, Line ends in bulkhead(44')	Bulkhead and abandon line	2016	0145-0458		
Street	Donald	NS40-5		NS40-5NW		58	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(5'), Long. Crack(9'), Lt MD at select joints T/O, Line ends in bulkhead(44')	None	2016	0145-0458		
Street	Donald	NS40-5		CB (east)		78	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Large OS joint(2'), Line ends in bulkhead(9')	None	2016	0145-0458		
Street	Jean	NS59-9-0-3		Blind Tap		52	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Cracks T/O, Spiral Crack(8'), Long. Crack(19'), Lt MD at select joints T/O	Dig Mainline	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information					Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped				
Street	Linwood	NS67-6		Bulkhead (S)		21	12	VCP	0.5	0.5	1	2	2.5	5	0					0	0	Mult Crack(14'-25'), Lt Roots at joints T/O	Dig Mainline	2016	0145-0458		
Street	Donald	NN39-3		Bulkhead (NW)		28	12	VCP	0.5	0.5	1	2	2.6	5.2	0					0	0	Mult. Crack(5'), Material change to PVC(9')	Dig Mainline	2016	0145-0458		
Street	Linwood	NS67-3		NS67-3SE		40	12	VCP	0.5	0.5	1	2	2.6	5.2	0					0	0	Mult Crack(8'-16'), Lt Roots at joints(8', 16', 24')	Dig Mainline	2016	0145-0458		
Street	Rausch	NS37-3		Bulkhead (NW)		52	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Long. Cracks T/O, Mult Crack(32'-90'), Hinge Crack(34', 36', 39'), Gas line thru sewer with Hole(83')	Dig Mainline (80' 86') To Consumers FGPP	2016	0145-0458		
Street	Hayes	NS69-6		NS69-6SE		113	12	VCP	0.5	0.5	1	2	2.7	5.4	0					0	0	Spiral, Mult and Long. Cracks T/O, Line ends in Bulkhead(28')	None	2016	0145-0458		
Street	Schroeder	NS15-4		Bulkhead (W)		30	12	VCP	0.5	0.5	1	2	2.8	5.6	0					0	0	Mult Crack(8', 13')	Dig Mainline	2016	0145-0458		
Street	Rein Ave	NN42-6-1A	7.3	NN42-6-1	8.3	397	12	VCP	0.5	0.5	1	2	3	6	8	1	3	12	8	Pro lats(91', 167', 272'), Lt Roots in lat(176'), Hole in pipe(38', 39', 40'), Lt Roots @ joints(80' to 90', 160' to 190')			2007	0145-0320			
Street	Tuscany	NN29-9-2-4		EOL (Northwest)		25	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. And Mult cracks T/O	None	2016	0145-0458		
Street	Laetham	NN66-14-4	8	EOL (Southwest)		48	10	VCP	0.5	0.5	1	2	3	6	0					0	0	Long., Mult and Hinge Cracks T/O, US structure is buried	Dig Mainline	2016	0145-0458		
Street	Stephens	NN66-16A	4.5	NN66-16SW		10	8	RCP	0.5	0.5	1	2	3	6	0					0	0	Spiral Crack(5'), Mult Crack(6', 12', 19'), Long Crack(15', 20', 21'), Med OS joint(8', 24'), Lt Roots at joints(28', 30')	None	2016	0145-0458		
Street	Saxony	NN29-2-1SE		NN29-2-1NE		25	12	VCP	0.5	0.5	1	2	3	6	1				1	0	Long. Cracks and Med OS joints T/O	None	2016	0145-0458			
Street	David	NN32-3		NN32-3NNW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Line ends in bulkhead(2')	None	2016	0145-0458		
Street	David	NN32-5		NN32-5NNW		54	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Line ends in bulkhead(2')	None	2016	0145-0458		
Street	Donald	NN39-6N		NN39-6NW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Med OS joints(13', 16'), Heavy Roots at joint(29'), Lt and Med Roots at joints(25', 32', 35', 37', 39')	None	2016	0145-0458		
Street	Donald	NN39-8N		NN39-8NW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Line ends in bulkhead(2')	None	2016	0145-0458		
Street	Piper	NN49-6	6	EOL (North)		44	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(8', 9', 13', 49'), Mult Crack(20', 29'), line ends at bulkhead(51')	None	2016	0145-0458		
Street	Normandy	NS18-3W		NS18-3NW		28	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Line ends at bulkhead(20')	None	2016	0145-0458		
Street	Rosetta	NS3-1-7SE		NS3-1-7NE		27	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack(12'-28'), Lt MD at joints(12'-28')	Dig Mainline	2016	0145-0458		
Street	David	NS33-3		NS33-3SSW		110	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Line ends at bulkhead(2')	None	2016	0145-0458		
Street	Rausch	NS37-3		Bulkhead (NE)		24	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. Crack(12', 16', 22')	None	2016	0145-0458		

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total In Service	Capped					
Street	Maplewood	NS67-11SW		NS67-11NW		25	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult and Long. Cracks T/O, Lt MD at joints T/O	None	2016	0145-0458			
Street	Maplewood	NS67-12		Bulkhead (NW)		27	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks(5', 7', 13', 29'), Broken(28')	Dig Mainline	2016	0145-0458			
Street	Maplewood	NS67-13NE		NS67-13NW		24	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Cracks T/O, Lt MD at joints(16'27')	Dig Mainline	2016	0145-0458			
Street	Linwood	NS67-7		NS67-7SW		55	12	VCP	0.5	0.5	1	2	3	6	1					1	0	Mult Cracks T/O, Long. Crack(37', 59'), Lt MD at joints T/O, baseline preventer(117')	None	2016	0145-0458			
Street	Linwood	NS67-9		NS67-10NW		76	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Mult Crack T/O, Long. Crack(7', 11', 13', 24'), Lt MD at joints T/O	None	2016	0145-0458			
Street	Donald	NN39-3		Bulkhead(N)		15	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Spiral Crack(5'), Line ends at bulkhead(7')	None	2016	0145-0458			
Street	Donald	NN39-4		Bulkhead (NW)		56	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Long. And Mult Cracks T/O, Line ends in bulkhead(41')	None	2016	0145-0458			
Street	Donald	NN39-7		Bulkhead(NW)		30	12	VCP	0.5	0.5	1	2	3	6	0					0	0	Lt MD at joints(12', 17'), Line ends in bulkhead	None	2016	0145-0458			
Street	Lincoln	NS59-6-3A		NS59-6-3NW		50	12	VCP	0.5	0.5	1	2	3.2	6.4	0					0	0	Mult Crack(12'50"), Hinge Crack(28'43"), Lt MD at joints T/O, Size reduces to 4'(49")	Dig Mainline	2016	0145-0458			
Street	Rausch	NN38-6		NN38-6W		26	12	VCP	0.5	0.5	1	2	3.3	6.6	0					0	0	Mult Crack(6'24"), Lt Roots at joints T/O	Dig Mainline	2016	0145-0458			
Street	Donald	NN39-6		NN39-6W		54	12	VCP	0.5	0.5	1	2	3.3	6.6	0					0	0	No defects observed	None	2016	0145-0458			
Street	Beechwood	NS76-5NNW		BLIND TAP		27	12	VCP	0.5	0.5	1	2	3.3	6.6	0					0			Dig Mainline	2016	0145-0458			
Street	Brittany	NS20-3		Bulkhead (NW)		54	12	VCP	0.5	0.5	1	2	3.4	6.8	0					0	0	Line ends in bulkhead(2')	None	2016	0145-0458			
Street	Donald	NN39-8		Bulkhead (NW)		20	12	VCP	0.5	0.5	1	2	3.5	7	0					0	0	Spiral Crack(18')	None	2016	0145-0458			
Street	David	NN32-3		Bulkhead (W)		24	12	VCP	0.5	0.5	1	2	3.8	7.6	0					0	0	Med OS joint(13', 20'), Mult Crack(5'), Hinge Fracture(21')	Bulkhead in MH and abandon line	2016	0145-0458			
Street	Toepfer	E23-5SSW		NS59-6B-B		602	12	RCP	0.5	0.5	1	2	4	8	0					0			FCJPP	2016	0145-0458			
Street	David	NN32-3		NN32-3NW		50	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Long. Crack(7', 13'), Lt Roots at joints(19')	None	2016	0145-0458			
Street	David	NN32-5		Bulkhead (NW)		50	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Line ends at bulkhead(2')	None	2016	0145-0458			
Street	Rausch	NN38-4		NN38-4NW		30	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Mult and Hinge cracks T/O, Lt Roots at joints T/O	Dig Mainline	2016	0145-0458			
Street	Rausch	NN38-5		Bulkhead (NW)		52	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Mult Crack(5'-37'), Long. Crack(18'), line ends in bulkhead(52')	None	2016	0145-0458			
Street	Normandy	NS18-3ES		NS18-3		150	12	VCP	0.5	0.5	1	2	4	8	0					0	0	Med OS joint(8', 24'), Lt Roots at joints(21', 25')	None	2016	0145-0458			

Physical Location	Street	Pipe ID	MH	MH Depth (ft)	To MH	MH Depth (ft)	AB Length (ft)	AB Size (in)	AB Pipe Mat.	Consequence of Failure (COF) Criteria			Consequence of Failure Score (COF)	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Lateral Information						Comments	Recommendations	Year of Last Cleaning/CCTV	Job Number (CCTV)	Year of Last Rehab/Repair	Job Number (Rehab/Repair)	Repair Type/Location	
										Pipe Size	Road Type	Location				OK	Roots	M.D.	Protruding	Offset	Broken Pipe	Total in Service	Capped						
Street	Brittany	NS20-2		CB (North)		90	12	VCP	0.5	0.5	1	2	4	8	0					0	0			Line ends in bulkhead(2')	None	2016	0145-0458		
Street	Rausch	NS37-5		Bulkhead(W)		44	12	VCP	0.5	0.5	1	2	4	8	0					0	0			Mult Crack(18'-54'), Hinge Crack(42'-54'), Line ends in Bulkhead(54')	Dig Mainline	2016	0145-0458		
Street	Tuscany	NN29-9-2-1		EOL (Southwest)		6	12	VCP	0.5	0.5	1	2	5	10	0					0	0			Mult Crack(8', 10', 12'-50'), Hinge Crack(41')	Dig Mainline	2016	0145-0458		
		B5-6-9A		B5-6-9					0.5	0.5	0.5	1.5	1	1.5												2015-2016	0145-0463		
	Beechwood Ave.	NN75-1		Blind Tap		21	21		0.6	0.5	0.5	1.6	1	1.6						0					2007	0145-0320			

## Appendix F – Cost Estimate Sewers

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW0001	NS59-28-4	NS59-28-3	134.0	12.0	VCP	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0002	NS59-28-3	NS59-28-2	200.0	15.0	RCP	Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0003	NS59-28-2	NS59-28-1	77.0	15.0	RCP	Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0004	NS59-28-1	NS59-28	191.0	21.0	RCP	Mod Inf. @ joijnt(46')		1.6				\$ - 1									\$ 4,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,500.00
SW0005	NS59-28	NS59-27	18.0	24.0	VCP	Line OK		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0006	NS59-26-2	NS59-26-1	393.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0007	NS59-26-1	NS59-26	210.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0008	NS59-25-2	NS59-25-1	218.0	21.0	HDPE			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0009	NS59-25-4	NS59-25-3	25.0	12.0	VCP	Survey Abandoned(25') -- Can't travel due to bend in line, No reverse set-up		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0010	NS59-25-3	NS59-25-2	251.0	15.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0011	NS59-24-3	NS59-25-2	460.0	15.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0012	NS59-24-1	NS59-24	197.0	18.0	VCP	Pro lat(79', 108'), Lt MD in lat(172'), Mult. Cracks(87', 120' to 190'), Lt MD at joints(170' to 197')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0013	NS59-24-2	NS59-24-1	310.0	18.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0014	NS59-22-2A	NS59-22-1	321.0	12.0	TRUSS	Line OK, Pipe type listed wrong in report		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0015	NS59-22-1A	NS59-22	109.0	18.0	RCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0016	NS59-21-1	NS59-21-1NW	12.0	8.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0017	NS59-21	NS59-21W	10.0	12.0	VCP	Mult Crack(6')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW0018	NS59-24-4	NS59-24-3	304.0	15.0	VCP	Pro lats(6', 59', 91', 95', 210', 213', 244'), Lt Roots in lats(123', 125'), Lt MD in lat(242')		2.1			\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0019	NS59-24-4	NS59-21-3	295.0	15.0	VCP	Pro lats(24', 42', 80', 145', 201', 223', 264'), Lt Roots in lats(40', 66'), Med Roots in lats(116', 179', 185', 189'), Hvy Roots in lat(159'), Pro lat w/ Lt Roots (237'), Lt Roots @ select joints T/O		2.1			\$ -										\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW0020	NS59-21-4	NS59-21-3	248.0	12.0	VCP	Med Roots in lat(22'), Pro lats(66', 68', 146', 148', 176', 186', 245'), Mult. Cracks(55')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0021	NS59-18-1	NS59-18	375.0	18.0	VCP	Pro lat w/ Lt Roots(27'), Pro lat w/ Med Roots(35'), Small OS in lats(80', 121', 157', 201'), Lt MD in lat(147'), Lt Roots in lat(231'), Mult. Cracks(143', 343')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0022	NS59-18-2	NS59-18-1	378.0	15.0	VCP	Pro lats(50', 81', 94', 147', 177', 211', 213', 247', 249'), Small OS in lat(292'), Long. Crack(21' to 54')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0024	*NS59-17A	NS59-17	157.0	18.0	VCP	Pro lats(40', 96', 98'), Small OS in lats(90', 93', 127'), Long. Crack(10' to 18')		2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW0025	*NS59-17-1A	NS59-17-1	361.0	15.0	VCP	Pro lats(84', 141', 183', 263', 295', 324'), Small OS in lats(186', 232', 235', 337'), Mult. Crack(154')		2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW0026	*NS59-17-2A	NS59-17-2	149.0	12.0	CIPP			2			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW0027	NS59-16-2-4A	NS59-16-2-4	164.0	12.0	HDPE			1.5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW0028	NS59-21-2	NS59-21-2W	11.0	12.0	VCP	Hole with soil visible(9')	Dig Mainline	10			\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW0029	*NS59-16-2-3A	NS59-16-2-3	360.0	12.0	HDPE			2			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW0030	NS59-16-2-3	NS59-16-2-2	449.0	15.0	CIPP			2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW0031	NS59-16-2-2	NS59-16-2-1	457.0	18.0	CIPP			2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW0032	NS59-16-2-4-1	NS59-16-2-4	189.0	12.0	HDPE			1.5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW0033	NS71-12A	NS71-12	173.0	12.0	VCP	Pro lats(6', 11', 32', 41', 96', 131')		2.5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0039	NS71-12-1	NS71-12	232.0	12.0	VCP	Pro lats(24', 71', 154', 210'), Lt Roots inlat(124'), Lt Roots at joints(110' to 130')		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0045	NS71-12-2	NS71-12-1	369.0	12.0	VCP	Pro lats(149', 173', 194', 201', 241', 290', 343'), Small OS joint in mainline(367')		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0050	NS59-16-3-4	NS59-16-3-3	396.0	15.0	VCP			2.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0060	NS59-9-17	NS59-9-16	92.0	12.0	RCP	Grease attached at joint(82')		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0061	NS59-9-16	NS59-9-15	286.0	12.0	RCP	Med MD in lats(61', 169'), Lt H2S damage T/O, Lt MD at select joints T/O		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0062	NS59-9-15	NS59-9-12	302.0	15.0	RCP	Hvy MD in lat(52'), Lt MD in lat(231'), Lt H2S damage T/O		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW0063	NS59-9-12	NS59-9-11	197.0	18.0	VCP	Lt MD at lat(135'), Lt MD at joints(68', 76')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0064	NS59-9-11	NS59-9-10	305.0	21.0	VCP	Lt Roots in lat(216'), Pro lats(255', 295'), Mult. Cracks(178')		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0065	NS59-9-10	NS59-9-9	343.0	24.0	VCP	Pro lats(55', 190', 230'), Long. Cracks(175')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0066	NS59-9-4-7	NS59-9-4-6	164.0	12.0	VCP	Line OK		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0067	NS59-9-4-6	NS59-9-4-5	439.0	18.0	CIPP	Line OK		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0068	NS59-9-4-5	NS59-9-4-4	209.0	21.0	VCP	Pro lat(68'), Long. Crack(116' to 150')		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0069	NS59-9-3-4	NS59-9-3-3	303.0	21.0	CIPP	Lt Roots in lats(201', 226', 268'), Med Roots in lat(248', 297')		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0070	NS59-9-3-5	NS59-9-3-4	165.0	21.0	VCP	Pro lat(13'), Line OK		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0071	NS59-9-3-6	NS59-9-3-5	478.0	18.0	VCP	Pro lats(201', 351', 413'), Long. Cracks(338' to 396', 438' to 476')		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0072	NS59-9-3-6A	NS59-9-3-6	177.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0073	NS59-9-3-7	NS59-9-3-6	476.0	12.0	VCP	Pro lats(87', 240', 282', 399', 419'), Mult. Crack(467')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0074	NS59-9-3-8	NS59-9-3-7	46.0	12.0	VCP	Line OK		1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0075	NS59-9-3-9	NS59-9-3-8	189.0	12.0	VCP	Pro lats(121', 185')		1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0076	NS59-9-2-7	NS59-9-2-6	311.0	12.0	VCP	Lt MD in lats(48', 189'), Pro lat(83')		1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0077	NS59-9-2-7	NS59-9-2-7A	37.0	12.0	VCP	Lt MD @ joint(17')		1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0078	NS59-9-2-7	NS59-9-3-9	245.0	12.0	VCP	Pro lats(33', 122', 259'), Lt Roots in lat(75'), Mult. Cracks(148' to 160')		1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0079	NS59-9-2-6	NS59-9-2-5	517.0	18.0	VCP	Lt Roots in lats(137', 464'), Pro lats(163', 210', 311', 412'), Small OS in lat(178'), Mult. Cracks(237')		1.6				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0080	NS59-9-2-5	NS59-9-2-4	136.0	18.0	VCP	Pro lat(97'), Mult. Cracks(50' to 110')		1.6				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0081	NS59-9-1-8	NS59-9-1-7	144.0	12.0	VCP	Pro lats(21', 89', 113')		1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0082	NS59-10-5	NS59-10-4	458.0	12.0	VCP	Pro lats(23', 65', 84')		1.5				\$ -	1									\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	3,100.00
SW0083	NS59-9-1-7	NS59-9-1-5	410.0	12.0	VCP			1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0084	NS59-9-1-5	NS59-9-1-4	399.0	18.0	CIPP			1.6				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0085	NS59-10-6	NS59-10-5	113.0	12.0	VCP	Line OK		1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0086	NS59-10-5	NS59-9-1-8	173.0	12.0	VCP			1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0087	NS59-10-4	NS59-10-3	195.0	15.0	VCP	Small OS in lat(38'), Lt Roots in lats(79', 81', 119'), Med Roots in lat(120'), Pro lat(160'), Medium Roots at joints(114' to 193')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0088	NS59-20-1	NS59-20	168.0	12.0	VCP	Pro lats(71', 129'), Mult. Cracks(138' to 162')		2.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0089	NS59-16-1	NS59-17	18.0	30.0	RCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0090	NS59-17	NS59-16	19.0	42.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0091	NS59-14-1	NS59-14	39.0	18.0	VCP	Material change from VCP to RCP(21')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0092	NS59-14-2	NS59-14-1	161.0	18.0	CIPP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0093	NS59-14-3	NS59-14-2	26.0	18.0	RCP	Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0094	NS59-14-4	NS59-14-3	152.0	18.0	RCP	Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0095	NS59-14-5	NS59-14-4	19.0	18.0	RCP	Video very foggy, can't see anything. Line in good condition, DVD 81 shows line and it is very clear		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0096	NS59-14-6	NS59-14-5	92.0	15.0	VCP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0097	NS59-14-7	NS59-14-6	331.0	15.0	RCP	Pro lat(53', 78', 161', 229', 283'), Mult. Cracks(88' to 133'), Mult. Fractures(133' to 143')		6.4				\$ -		1						\$ 3,800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,800.00		
SW0098	NS59-14-9	NS59-14-8	38.0	15.0	RCP	Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0099	NS59-14-10	NS59-14-9	55.0	15.0	RCP	Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0100	NS59-16-2-1	NS59-16-2	386.0	21.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0101	*NS59-16-2A	NS59-16-2	323.0	27.0	RCP	Pro lat(9'), Med MD in lat(63'), Lt MD in lats(132', 144', 162', 183', 223'), Lt Roots in lat(248')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0102	NS59-16-3	NS59-16-4S	25.0	12.0	VCP	Long. Cracks T/O, Mult Crack(18')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0103	NS59-16-5	NS59-16-4	22.0	18.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0110	NS59-16-3-2	NS59-16-3-1	126.0	18.0	VCP	Small OS in lat(25'), Lt MD in lats(98', 101')		2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0117	NS59-16-3-1	NS59-16-3	347.0	24.0	HDPE			2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0121	NS59-9-9A	NS59-9-9	165.0	12.0	RCP	Long. Crack(6'), Lt MD at joints(12', 28')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0122	NS59-9-9	NS59-9-8	516.0	27.0	RCP	Lt Roots in lats(179', 377', 415'), Hvy Roots in lat(299')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW0123	NS59-9-8	NS59-9-7	216.0	27.0	RCP	Line OK		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0124	NS59-9-7	NS59-9-6	44.0	27.0	RCP	Line OK		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0125	NS59-9-5-1	NS59-9-5	114.0	12.0	VCP	Small OS in lat(105')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0126	*NS59-9-5A	*NS59-9-5B	68.0	27.0	RCP	Line OK		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0127	NS59-9-4-1	NS59-9-4	174.0	21.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0128	NS59-9-4-2	NS59-9-4-1	135.0	21.0	VCP	Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0129	NS59-9-4-4	NS59-9-4-3	262.0	21.0	VCP	Lt Roots in lats(103', 141', 143'), Pro lat(183'), Mult. Crack(81')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0130	NS59-9-4-3	NS59-9-4-2	473.0	21.0	VCP	Pro lats(9', 121', 142', 200', 398'), Pro lat w/ Lt Roots(319'), Mult. Cracks(3')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0131	NS59-9-3-2	NS59-9-3-1	170.0	21.0	VCP	Long. Cracks T/O		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0132	NS59-9-3-3	NS59-9-3-2	437.0	21.0	CIPP	Pro lats(50', 246'), Lt Roots in lats(76', 402'), Mult. Cracks(3')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0133	NS59-6-16	NS59-6-15	126.0	24.0	RCP	Line in good condition		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0134	NS59-8-0-6	NS59-8-0-5	241.0	12.0	VCP	Line in fair condition, CM (6, 175, 222)		6				\$ -	2								1	\$ 6,700.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,700.00
SW0135	NS6-13-28	NS6-13-27	414.0	12.0	VCP	Line in good condition		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0136	NS6-13-27	NS6-13-26	131.0	21.0	VCP	Line in fair condition, CL (15-96)		4.8	131		4	\$ 14,445.00									\$ -		\$ -	\$ -	\$ -	\$ 14,445.00		
SW0137	NS6-13-25	NS6-13-26	366.0	24.0	VCP	Line in fair condition, CL (87-145)		5.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0138	NS6-13-25	NS6-13-24	354.0	27.0	RCP	Line in good condition		1.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0139	NS59-6-18	NS59-6-17	366.0	12.0	VCP	Line in fair condition, B (334), DA throughout, CM (117 - 123), JOL (361)		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0140	NS59-6-17	NS59-6-16	362.0	12.0	VCP			1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0142	NS59-6-14-2	NS59-6-14-1	365.0	12.0	VCP			1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0143	NS59-8-0-5	NS59-8-0-4	304.0	12.0	VCP			2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0144	NS59-6-14-1	NS59-6-14	353.0	15.0	VCP			1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0145	NS59-8-5	NS59-8-4	221.0	18.0	VCP	Line in fair condition, CL (192', 207'), MWL(198')		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0146	*NS59-8-3-1	*NS59-8-3	135.0	12.0	VCP	Long. Crack(64')		2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0149	NS6-13-21-3	NS6-13-21-2	120.0	12.0	VCP	Line in good condition, CL (75)		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0150	NS6-13-21-4	NS6-13-21-3	375.0	12.0	VCP			1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0151	NS6-13-21-4	NS59-6-14	358.0	12.0	VCP	Line in fair condition, B (0-19, 225), CM (29-46, 320), CL (271)		7.5				\$ -		2						\$ 6,400.00		\$ -	2	\$ 17,000.00		\$ -	\$ 23,400.00	
SW0152	NS59-6-12	NS6-13-19-5	307.0	15.0	VCP	Line in good condition, CL (119 - 132, 171 - 180, 272)		3.2				\$ -		1	1					\$ 7,700.00		\$ -		\$ -		\$ -	\$ 7,700.00	
SW0153	NS6-13-19-5	NS6-13-19-4	253.0	12.0	VCP	Line in fair condition, CL (19-35, 181)		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0154	NS6-13-19-2B	NS6-13-19-2	121.0	12.0	VCP	Line in fair condition, CL(20--28, 56-68, 74-80, 98-102), CM (20, 28, 48, 68)		1.5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0155	NS6-13-19-4	NS6-13-19-3	100.0	12.0	VCP	Line in fair condition, CM (81), CL (74, 81)		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0156	NS6-13-17-4	NS6-13-17-3	376.0	12.0	VCP	Line in poor condition, B (28, 76), D (72, 330), CL (19-28, 49-94, 284-301, 324-376)		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0157	NS59-6-11	NS6-13-17-4	360.0	12.0	VCP			1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0158	NS6-13-21-2	NS6-13-21-1	366.0	15.0	HDPE			1.6				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0159	NS6-13-19-2	NS6-13-19-1	361.0	15.0	CIPP			1.6				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0160	NS59-6-15	NS59-6-14	159.0	24.0	RCP	Line in good condition		2.3				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0161	NS59-6-14	NS59-6-13	120.0	24.0	RCP	Line in good condititon		2.3				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0162	NS59-6-13	NS59-6-12	174.0	27.0	RCP	Line in good condititon		2.3				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0163	NS59-6-12	NS59-6-11	312.0	27.0	RCP	Line in good condititon		2.3				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0164	NS59-6-12-2	NS59-6-12-1	368.0	12.0	VCP	Line in fair condition, CM (44)		4.5				\$ -						1			\$ 3,400.00		\$ -		\$ -		\$ -	
SW0165	NS59-8-0-4	NS59-8-0-3	289.0	12.0	VCP			2				\$ -									\$ -		\$ -		\$ -		\$ -	
SW0166	NS59-6-12-1	NS59-6-12	355.0	15.0	VCP	Line in good condition		1.6				\$ -									\$ -		\$ -		\$ -		\$ -	
SW0167	NS59-6-11-1	NS59-6-11	355.0	15.0	VCP	Line in fair condition, CH4 (74-83), CL (125)		8				\$ -				1					\$ 3,700.00		\$ -		\$ -		\$ -	
SW0168	NS59-8-0-3	NS59-8-0-2	297.0	12.0	VCP	Line in good condition, CH3 (138.2)		2				\$ -				1					\$ 3,200.00		\$ -		\$ -		\$ -	
SW0169	NS59-8-3A	NS59-8-3	111.0	12.0	VCP	Line in good condition		2				\$ -									\$ -		\$ -		\$ -		\$ -	
SW0170	NS59-6-11-2	NS59-6-11-1	372.0	12.0	VCP			1.5				\$ -									\$ -		\$ -		\$ -		\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0171	NS59-8-3	NS59-8-2	445.0	21.0	VCP	Line in fair condition, Lt MD (95.5), TFD Broken (243.9, 284.2)		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0172	NS6-13-15-4	NS59-6-9	355.0	12.0	VCP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0173	NS59-6-9-2	NS59-6-9-1	360.0	12.0	VCP	Line in good condition		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0174	NS59-6-9-1	NS59-6-9	355.0	15.0	VCP	Line in good condition, CM (339)		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0175	NS59-8-0-2	NS59-8-0-1	357.0	15.0	Lined VCP	Line in good Condition		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0176	NS59-9-2-4	NS59-9-2-3	305.0	18.0	CIPP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0177	NS59-9-2-3	NS59-9-2-2	434.0	21.0	VCP	Med Roots in lat(43'), Pro lats(60', 74'), Small OS in lats(198', 359'), Lt Roots in lat(348'), Long. Crack(10')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0178	NS59-9-2-2	NS59-9-2-1	134.0	21.0	VCP	Pro lat(111')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0179	NS59-9-3-1	NS59-9-3	171.0	21.0	VCP	Lt Roots at joints T/O		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0180	NS59-9-2-1	NS59-9-2	173.0	21.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0181	NS59-9-1-1	NS59-9-1	175.0	18.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0182	NS59-9-1-2	NS59-9-1-1	133.0	18.0	VCP	Pro lat(114'), Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0183	NS59-9-1-4	NS59-9-1-3	402.0	18.0	CIPP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0184	NS59-9-1-3	NS59-9-1-2	334.0	18.0	VCP	Small OS in lats(68', 144', 183', 185', 225', 304'), Large OS in lat(223'), Lt Roots in lat(266')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00		
SW0185	NS59-10-1	NS59-10	145.0	18.0	VCP	Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0186	NS59-10-3	NS59-10-2	265.0	15.0	VCP	Pro lats(64', 167'), Lt Roots in lat(205'), Small OS in lat(245'), Long. Crack(69' to 80', 117' to 146'), Mult Crack(194')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0187	NS59-9-0-1	NS59-9-0	272.0	24.0	VCP	Small OS in lats(137', 216', 252', 254'), Lt MD in lat(179'), Mult. Crack(121), Long.Crack(217')		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0188	NS6-13-13-4	NS59-6-7	379.0	12.0	VCP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0189	NS59-6-7-2	NS59-6-7-1	358.0	12.0	VCP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0190	NS59-6-5-2	NS59-6-5-1	258.0	12.0	VCP	Line in fair condition, CM (6-9, 28-36, 136)		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0191	NS59-8-0A	NS59-8-0	407.0	12.0	HDPE			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0192	NS59-6-7-1	NS59-6-7	340.0	15.0	VCP	Line in good condition, CM (245), CL (260)		4				\$ -	2								\$ 7,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7,200.00
SW0193	NS59-8-0-1	NS59-8-0	196.0	18.0	VCP	Line in good condition		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0194	NS59-8-0	NS59-8	281.0	24.0	CP	Line in fair condition, Med MD (113.4, 145.1 - 272.3)		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0195	NS59-9-0-2	NS59-9-0-1	310.0	21.0	VCP	Pro lat(260') Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0196	NS59-10-2	NS59-10-1	476.0	18.0	VCP	Pro lats(12', 16', 93', 134', 331'), Small OS in lat(142', 336', 338', 378'),		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0197	NS59-9-0-1A	NS59-9-0-1	300.0	12.0	CIPP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0198	NS59-9-0-2A	NS59-9-0-2BB	97.0	12.0	VCP	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0200	NS59-14-13	NS59-7-0-2	360.0	15.0	VCP	Pro lats(139', 183'), Large OS w/ Lt Roots in lat(198'), Large OS in lat(246'), Small OS in lat(298'), Med Roots in lat(352')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -	
SW0201	NS59-12-4	NS59-12-3	20.0	15.0	RCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0202	NS59-12-5	NS59-12-4	156.0	12.0	VCP	Mult. Cracks(55' to 65'), Small OS joint in mainline(149')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0203	NS59-9-0-3A	NS59-9-0-3	299.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0204	NS59-9-0-3	NS59-9-0-2	289.0	18.0	VCP	Small OS in lat(191'), Pro lat(201')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0205	NS59-9-0-3	NS59-12-1-1	20.0	18.0	RCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0206	NS59-9-0-2A	NS59-9-0-2	298.0	12.0	VCP	Large chunk of concrete in line(97'), Unable to remove debris b/c MH's were buried		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0207	NS59-12-3	NS59-12-2	246.0	15.0	RCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0208	NS59-12-2	NS59-12-1	283.0	15.0	RCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0209	NS59-9-0-5	NS59-9-0-4	302.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0210	NS59-6-1B	NS59-6-1A	133.0	12.0	VCP	Line in fair condition, CM (83-125)		4.5	133		5	\$ 10,480.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	10,480.00	
SW0212	NS59-14-11	NS59-14-10	197.0	12.0	VCP	Lt MD at lat(10'), Mod Inf. at joint(163'), Lt MD at joints T/O		2				\$ - 1									\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	3,000.00	
SW0213	NS59-14-11	NS59-14-12	144.0	12.0	VCP	Inf. @ joint(90')		1.5				\$ - 1									\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	3,000.00	
SW0216	NS59-14-12	NS59-14-13	146.0	12.0	VCP	Pro lat(89'), Lt MD @ joints T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0217	NS59-14-13A	NS59-14-13	47.0	15.0	VCP	Video very dark, Report calls out two laterals at 36' & 38' but never shows them, Video is so dark that you can't see if there are even laterals where the report says they should be		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0219	NS59-14-13	NS59-14-14	147.0	12.0	CIPP	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0220	NS59-7-0-2	NS59-7-0-1	347.0	18.0	VCP	Hvy Roots in lat(39'), Med Roots in lat(87'), Large OS in lats(136', 186'), Lt Roots in lat(194'), Small OS in lats(199', 235', 237', 317', 334'), Lt MD in lat(286')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -		
SW0221	NS59-7-0-1	NS59-7-0	307.0	18.0	VCP	Small OS in lats(87', 89', 127', 170', 187', 209', 250', 285'), Mult. Crack(73')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0222	NS59-7-0	NS59-7	226.0	18.0	VCP	Small OS in lats(7', 37', 40', 78', 80'), Open joint in mainline(204'), Long. Crack(71', 210')		3.2				\$ - 1								\$ 4,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,100.00	
SW0223	NS59-7-1	NS59-7	309.0	24.0	VCP	Small OS in lat(23'), Lt Roots in lats(101', 259'), Large OS in lats(141', 220'), Long. Crack(7'), Mult. Crack(295')		5.75				\$ -								\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0224	NS59-7-2A	NS59-7-2	97.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0225	NS59-7-2B	NS59-7-1	183.0	21.0	VCP	Lt Roots in lats(221', 259'), Mult. Cracks(213', 320'), Long. Crack(259')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0226	NS59-14-14	NS59-14-15	187.0	12.0	VCP	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0229	NS59-14-15	NS59-7-1-2	373.0	18.0	VCP	Med to Hvy MD @ joints T/O, Survey abandoned twice b/c of Hvy MD in mainline, No attempt to remove MD, Left Hvy MD in line		1.6				\$ -	1				1	1	2	\$ 10,000.00		\$ -	\$ -	\$ -	\$ -	\$ -	10,000.00	
SW0235	NS59-14-16	NS59-14-17	186.0	12.0	VCP	Lt MD @ joints T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0236	NS59-14-15	NS59-14-16	130.0	12.0	VCP	Lt MD in lat(44'), Lt Roots in lat(87'), Pro lat(157'), Mult. Cracks(150' to 175')		4.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0237	NS59-7-1-2	NS59-7-1-1	347.0	21.0	VCP	Med Roots in lat(110'), Pro lats(194', 230'), Long. Cracks(20' to 30', 68' to 100')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0238	NS59-7-1-1	NS59-7-1	350.0	21.0	VCP	Pro lats(38', 198'), Small OS in lat(260'), Long. Crack(112', 344')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0239	NS59-14-17	NS59-7-3	442.0	21.0	VCP	Lt to Med MD @ joints T/O, Footage counter obscured		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0240	NS63-6-4	NS63-6-3	23.0	15.0	VCP	Lt to Med MD @ joints T/O		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0244	NS59-14-17	NS63-6-3	159.0	12.0	VCP	Small OS in lat(53'), Lt MD in lats(82', 159', 214', 336'), Med Roots in lat(414'), Lt Roots in lat(440'), Re-Bar wedged in joint(90'), Mult. Crack(363')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0245	NS59-7-3	NS59-7-2	465.0	21.0	VCP	Small OS in lats(52', 90'), Lt Roots in lats(195', 250', 276'), Mult. Cracks(8', 49', 134')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0246	NS63-6-3	NS63-6-2	429.0	15.0	VCP	Med MD in lat(47'), Pro lats(107', 207'), Long. Cracks(201', 251')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0247	NS63-6-2	NS63-6-1	508.0	18.0	VCP	Pro lat(58'), Hvy Roots in lats(101', 139'), Med Roots in lats(225', 475'), Mult. Cracks(396', 498')		6.3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00		
SW0249	NS63-6-1	NS63-6	161.0	18.0	VCP	Mult. Cracks(2' to 21')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0250	NS63-6-3	NS63-5-3	342.0	12.0	VCP	Pro lats(118', 132', 178', 197', 213', 247'), Lt to Med MD @ joints T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0252	NS63-5-4	NS63-5-3	47.0	18.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0256	NS63-5-3	NS63-5-2	382.0	18.0	VCP	Prp lats(87', 142', 149', 184', 188', 230', 245', 278', 308', 331', 343', 345'), Line OK		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0257	NS63-5-3A	NS63-5-3	57.0	12.0	VCP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0258	NS63-5-2	NS63-5-1	389.0	21.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0260	NS63-4-4	NS63-4-3	123.0	12.0	RCP	Lt H2S damage T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0262	NS63-4-3	*NS63-4-2A	301.0	12.0	RCP	Pro lat(247'), Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0263	NS63-4-1	NS63-4	166.0	15.0	RCP	Long. Crack(43' to 70')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0264	NS63-3-4	NS63-3-3	94.0	12.0	VCP	Lt MD in lat(24'), MD in mainline(84' to 94')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0270	NS63-3-3	NS63-3-2	312.0	12.0	VCP	Pro lats(155', 177', 237', 286'), Mult. Cracks(217', 252')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0271	NS63-3-2	NS63-3-1	147.0	15.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0272	NS63-3-1	NS63-3	150.0	15.0	HDPE			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0273	NS63-2-1	NS63-2	166.0	12.0	VCP	Pro lat(91'), Long. Crack(89')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0274	NS63-2-2	NS63-2-1	386.0	12.0	VCP	Pro lats(16', 47', 69', 98', 162'), Med MD in lat(138'), Long. Crack(252')		2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0278	NS59-6-5A	NS59-6-5	300.0	15.0	CIPP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0279	NS59-6-5-1	NS59-6-5	230.0	15.0	VCP	Line in fair condition, CL (119-184)		4.8	130	7	\$ 11,950.00										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,950.00	
SW0280	NS59-6-1-1	NS59-6-1	447.0	18.0	VCP	Line in fair condition, CL (281-305, 368-394)		4.8				\$ -									\$ 13,100.00						\$ 13,100.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0281	NS61-8	NS61-7	88.0	12.0	VCP	Stick wedge in joint(27')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0282	NS61-7	NS61-6	316.0	12.0	CIPP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0283	NS61-6	NS61-5	362.0	18.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0284	NS61-5	NS61-4	543.0	21.0	CIPP	Small OS in lats(57', 411'), Med Roots in lat(59'), Lt Root in lats(317', 327')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0285	NS61-4	NS61-3	467.0	21.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0286	NS61-3	NS61-2	347.0	24.0	VCP	Small OS in lats(60', 311'), Large OS in lat(210'), Long. Crack(189' to 210')		4.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW0287	NS61-2	NS61-1	419.0	27.0	RCP	Pro lats(210', 261'), Lt Roots in lat(304'), Lt MD at joints(350', 386'), Lt Inf. @ joint(414')		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0294	E23-B	Blind Tap	35.0	27.0	RCP	Line OK		2.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0295	NS59-6A	NS59-6	25.0	12.0	TTE	Line in fair condition		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0296	NS59-6B	NS59-6A	31.0	12.0	RCP	Line in fair condition, RMJ (0-31) POSSIBLY ABANDONED		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0297	NS59-6A-A	NS59-6	43.0	12.0	RCP	Line in good condition		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0298	NS6-13-11-5	NS59-6-5A	347.0	12.0	VCP	Line in good condition		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0299	NS59-6-1-1	NS6-13-9-3	463.0	12.0	VCP	Line in fair condition, CL (120-202, 275-295), B (291)		3.9	463		19	\$ 37,280.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,280.00		
SW0300	E23-5	E23-4	388.0	12.0	VCP	Pro lats(31', 64', 93', 141', 168', 219'), Med Roots in lats(152', 198'), Lt MD in lat(344'), Mult. Cracks(6', 171', 337')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0301	NS59-6B-B	NS59-6A	602.0	12.0	RCP	Lt H2S damage T/O, Lt MD at joints T/O	FCIPP	6	602		1	\$ 36,620.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,620.00		
SW0302	NS-59-6B-B	NS59-6B-C / EOL NORTH	85.0	12.0	RCP	Line in good condition		2			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0303	E23-4	E23-3	408.0	18.0	VCP	Lt Roots in lat(76'), Large OS in lat(111'), Pro lats(119', 156', 274'), Mult. Cracks(128', 322')		6.3			\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -		
SW0304	E23-3	E23-2	423.0	21.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0305	E23-2	E23-1	422.0	24.0	VCP	Small OS in lat(40'), Pro lats(42', 338'), Large OS in lats(90', 240', 288', 290')		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	4	\$ 24,000.00	\$ -		
SW0309	E23-A	*E23-A-1	258.0	27.0	RCP	Lt MD in lat(24')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0310	E23-1-1	E23-1-2	185.0	15.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0311	E23-1	E23-1-1	154.0	15.0	VCP	Lt MD @ select joints T/O		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0312	E23-1-3	NS53-4	192.0	15.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0313	E23-1-2	E23-1-3	141.0	15.0	VCP	Metal pipe wedged in joint(33')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0314	E23-1-2-1	E23-1-2	350.0	12.0	VCP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0316	NS53-1	Blind Tap	36.0	27.0	RCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0318	E23-5SSW	E23-5	72.0	12.0	VCP	Long. Crack(9', 19', 24', 28', 36', 63', 66'), Hinge Fracture(11'), Mult Crack(21', 30', 38'-72'), Gas line thru sewer(60')	FCIPP	7.5	72		\$ 4,320.00										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,320.00	
SW0319	NS53-4	E22	10.0	24.0	RCP	Lt MD in lat(78')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0320	NS53-3	NS53-2	262.0	27.0	RCP	Lt Roots in lat(12'), Lt MD in lats(119', 226')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0321	NS53-2	NS53-1	435.0	27.0	RCP	Lt MD in lats(65', 117', 276', 363'), Pro lat(143'), Lt Roots in lat(280')		2.3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0323	NS48-1	Blind Tap	43.0	27.0	RCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0324	NS48-3	E21	20.0	18.0	RCP	Small OS in lats(114', 116', 155', 194', 234', 236', 354', 394', 396'), Pro lats(213', 324', 357'), Large OS in lats(314', 316')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW0325	NS48-2	NS48-1	435.0	27.0	RCP	Pro lats(109', 129', 158'), Lt MD in lats(124', 244')		2.3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0326	NS46-1	Blind Tap	40.0	24.0	VCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0329	NS46-2	NS46-1A	318.0	24.0	VCP	Small OS in lats(12', 14', 131', 133', 173', 251'), Pro lats(90', 109', 210', 222'), Lt MD in lat(307'), Long. Crack(151')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0330	NS43-3	E19	24.0	18.0	RCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0331	NS53-9	NS53-8	255.0	15.0	VCP	Small OS in lat(114'), Pro lat(216'), Long. Crack(26'), Mult. Cracks(118')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0332	NS53-8	NS53-7	164.0	15.0	VCP	Pro lat(115'), Long. Crack(25')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0333	NS53-7	NS53-6	222.0	18.0	VCP	Pro lat(11', 112'), Lt Roots in lat(173'), Small OS in lat(175'), Pipe cracked, deformed, and fractured(103' to 115')		8.4				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW0337	NS6-13-13-4	NS6-13-13-3	376.0	12.0	VCP	Line in fair condition, B (19), CL (19-31, 274-290)		7.5				\$ -					1			\$ 3,400.00	\$ -	1	\$ 8,500.00		\$ -	\$ 11,900.00	
SW0338	NS6-13-11-3	NS6-13-11-2	115.0	12.0	VCP	Line in good condition		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0339	NS6-13-11-4	NS6-13-11-3	80.0	12.0	VCP	Line in fair condition, CL (0-80)		4.5	80		2	\$ 5,800.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,800.00	
SW0340	NS6-13-11-5	NS6-13-11-4	261.0	12.0	VCP	Line in fair condition, CH4 (5-31), D (2,19)		7.5				\$ -						2		\$ 6,800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,800.00	
SW0341	NS6-13-9-3	NS6-13-9-2	221.0	12.0	VCP	Line in fair condition		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0342	NS53-10	NS53-9	148.0	12.0	VCP	Pro lats(49', 71', 93')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0343	NS53-9A	NS53-9	140.0	12.0	VCP	Pro lat(71'), Lt Roots in lat(115'), Mult. Cracks(64')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0344	NS53-10	NS48-7	200.0	12.0	VCP	Med Roots in lat(128'), Pro lat(141'), Mult. Cracks(21' to 32')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0345	NS48-8	NS48-7	135.0	15.0	RCP	Line OK		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0346	NS6-13-17-1	NS6-13-17	357.0	18.0	VCP	Line in fair condition, CL (254-261), CM (3)		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0347	NS6-13-15-1	NS6-13-15	357.0	18.0	VCP	Line in good condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0348	NS6-13-13-1	NS6-13-13	360.0	18.0	VCP	Line in good condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0349	NS6-13-11-1	NS6-13-11	355.0	18.0	VCP	Line in fair condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0350	NS6-13-9-1	NS6-13-9	349.0	18.0	VCP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0354	NS6-13-17-3	NS6-13-17-2	123.0	12.0	VCP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0355	NS6-13-15-3	NS6-13-15-2	123.0	12.0	VCP	Line in good condition		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0356	NS6-13-15-4	NS6-13-15-3	378.0	12.0	VCP	Line in fair condition, CM (217-242, 273-312, 326-359), B (231, 276)		7.5				\$ -								\$ -	\$ -	3	\$ 25,500.00		\$ -	\$ 25,500.00		
SW0357	NS6-13-13-3	NS6-13-13-2	120.0	12.0	VCP	Line in good condition		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0358	NS6-13-17-2	NS6-13-17-1	362.0	15.0	VCP	Line in fair condition, CI (186-207)		4.8				\$ -						1			\$ 4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000.00	
SW0359	NS6-13-15-2	NS6-13-15-1	357.0	12.0	VCP	Line in fair condition, CL(91-146, 170-251, 283-327), D (312)		3.75	357		18	\$ 30,420.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,420.00	
SW0360	NS6-13-13-2	NS6-13-13-1	360.0	15.0	VCP	Line in fair condition, CL (0- 94)		4.8	360		14	\$ 30,400.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,400.00	
SW0361	NS6-13-11-2	NS6-13-11-1	365.0	12.0	VCP	Line in fair condition, CL (53-127, 153-183)		4.5	365		20	\$ 31,900.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,900.00	
SW0362	NS6-13-9-2	NS6-13-9-1	391.0	15.0	CIPP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0363	NS6-13-21-1	NS6-13-21	354.0	18.0	VCP	Line in fair condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0364	NS6-13-19-1	NS6-13-19	358.0	18.0	VCP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0365	NS46-7	NS46-6	428.0	15.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0366	NS6-13-6-6B	NS6-13-6-6	172.0	12.0	VCP	Line in fair condition, CL		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0367	NS6-24	NS6-23	389.0	15.0	VCP	Line in fair condition, CL (273-279)		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0368	NS-6-13-6-3-1	NS-6-13-6-3	258.0	15.0	VCP	Line in good condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0369	NS6-13-6-2-1	NS6-13-6-2	253.0	15.0	VCP	Line in good condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0372	NS6-13-6-4-1	NS6-13-6-4	121.0	18.0	VCP	Line in good condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0373	NS6-13-6-5A	NS6-13-6-5	166.0	21.0	RCP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0374	NS6-13-6-4A	NS6-13-6-4	159.0	27.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0375	NS46-8	NS46-7	123.0	15.0	RCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0376	NS6-13-24A	NS6-13-24	96.0	12.0	CIPP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0377	NS6-13-7A	NS6-13-17	113.0	12.0	PP	Line in good condition, Possible hole in liner @ 44'		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0378	NS46-7A	NS46-7	93.0	12.0	VCP	Pro lats(34', 79'), Long. Crack(50')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0379	NS46-7	NS48-7	264.0	12.0	VCP	Lt Roots in lat(20'), Pro lats(138', 165', 180', 219', 298', 320', 338', 343', 373', 375', 419'), Long. Crack(198'), Mult. Cracks(320')		1.5	264	4	5	\$ 20,340.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,340.00	
SW0380	NS46-6	NS46-5	230.0	18.0	VCP	Lt Roots in lat(27'), Pro lats(67', 69', 103', 107', 186', 190'), Small OS in lat(184'), Long. Crack(107'), Mult. Cracks(156')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0381	NS48-7	NS48-6	415.0	15.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0382	NS48-6	NS48-5	232.0	18.0	VCP	Small OS in lats(117', 119'), pro lat(194'), Large OS in lat(197'), Mult. Cracks(21')		6.3				\$ -								\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW0383	NS53-6	NS53-5	477.0	24.0	VCP	Long. Crack(56')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0384	NS53-5	NS53-4	467.0	24.0	VCP	Pro lats(9', 72', 128', 176', 378', 380'), Small OS in lats(231', 284', 286', 339'), Video jumps from 102' to 128' and Video skips two laterals between 102' and 128', DVD 81 shows laterals that DVD 53 missed		2.3				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0385	NS48-5	NS48-4	476.0	21.0	VCP	Lt Roots in lats(53', 93'), Hvy Roots in lat(59'), Med Roots in lat(83'), Pro lats(97', 213', 321', 451', 453'), Small OS in lats(175', 215', 332', 334', 415'), Large OS in lats(295', 413'), Long. Crack(30'), Med Roots @ joints(70' to 114'), Leaking Cap in lat(372')		4.2				\$ -											\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -
SW0386	NS48-3	NS48-2	242.0	24.0	VCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -		
SW0387	NS48-4	NS48-3	467.0	24.0	VCP	Large OS in lat(16'), Pro lats(55', 134', 174', 176', 212', 331', 333', 425'), Small OS in lats(96', 252', 255', 379'), Hvy Roots in lat(427')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -		
SW0388	NS46-5	NS46-4	467.0	21.0	VCP	Pro lats(114', 156', 218'), Small OS in lats(166', 232', 408'), Lt Roots in lats(236', 397'), Mult. Fractures(268' to 288')		8.4				\$ -								1	2	\$ 6,000.00	\$ -	\$ -	\$ -	\$ -	\$ 6,000.00	\$ -	
SW0390	NS46-4	NS46-3	466.0	21.0	VCP	Pro lats(2', 54', 218', 291', 379'), Small OS in lats(19', 62'), Lt Roots in lat(254'), Long. Crack(2', 368'), Mult. Cracks(30')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0391	NS43-2	*NS43-1A	313.0	24.0	VCP	Small OS in lats(77', 79', 162', 240', 280', 282'), Pro lats(85', 117', 198', 256'), Lt Roots in lat(119')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0392	NS43-1	Blind Tap	43.0	24.0	VCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0394	NS40-1	Blind Tap	44.0	24.0	VCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0395	NS40-2	NS40-1	436.0	24.0	VCP	Small OS in lats(36', 115'), Lt MD in lats(76', 279'), Pro lats(190', 193', 231'), Mult. Cracks(239' to 253', 370' to 406')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0396	NS40-3	E18	19.0	18.0	RCP	Small OS in lats(64', 307', 348', 425'), Pro lats(67', 172', 189'), Video jumps from 221' to 238', Video skips three laterals, DVD 81 corrects problem		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0398	NS37-1	Blind Tap	45.0	27.0	RCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0399	NS37-3	E17	29.0	18.0	RCP	Lt Roots in lat(68'), Sm,all OS in lat(348')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0400	NS37-2	NS37-1	438.0	27.0	RCP	Pro lats(118', 155', 198', 233', 281', 337')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0401	NS33-1	Blind Tap	40.0	24.0	VCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0402	NS33-3	E16	26.0	18.0	RCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0403	NS33-2	NS33-1	437.0	24.0	VCP	Small OS in lat(67'), Large OS and broken pipe in lat(194'), Lt MD in lats(238), Med MD in lats(284', 286'), Pro lat(341')		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW0404	NS31-1	Blind Tap	50.0	24.0	VCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0405	NS31-4	E15	22.0	18.0	RCP	Small OS in lats(79', 158', 355', 358'), Lt Roots in lat(111'), Large OS in lats(160', 277', 317'), Pro lats(172', 202', 237', 239'), Large OS and broken pipe in lat(320')		2.1			\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0406	NS31-3	NS31-2	371.0	24.0	VCP	Pro lats(24', 102', 224', 226', 303'), Small OS in lats(26', 62', 64', 105', 183', 185', 265', 267', 343'), Lt MD in lats(143'), Lt Roots in lats(144', 341')		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0407	NS31-2A	NS31-2	201.0	12.0	VCP	Hvy MD in lats(34', 136', 154')		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -	
SW0408	NS31-2B	NS28-2	72.0	12.0	VCP	Line OK		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0409	NS31-2	NS31-1	122.0	24.0	VCP	Long. Crack(93' to 101')		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0410	NS6-11-9	NS6-11-8	107.0	12.0	VCP	Pro lat(94'), Line OK		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0412	NS6-18-2	NS6-13-6-5-1	397.0	12.0	CIPP			1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0413	NS6-17-3	NS6-17-2	399.0	12.0	HDPE			1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0414	NS6-17-3	NS6-13-6-4-1	397.0	12.0	VCP			1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0415	NS6-16-4	NS6-13-6-3-1	396.0	12.0	VCP	Line in fair condition, CL (53-144, 189-240)		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0416	NS6-15-4	NS6-13-6-2-1	389.0	12.0	VCP	Line in good condition		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0417	NS6-14-5	NS6-13-6-1-1	382.0	12.0	VCP	Line in fair condition, CL (88-110), CM (215-219, 295-305)		3.75	382	16	\$ 30,920.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,920.00	
SW0418	NS6-13-6-7	NS6-13-6-8	400.0	15.0	CIPP			1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW0419	NS6-23	NS6-22A	306.0	21.0	RCP	Line in fair condition, CH4 (271-305)		8				\$ -					2				\$ 9,800.00		\$ -	\$ -	\$ -	\$ -	\$ 9,800.00		
SW0423	NS31-7	NS31-6	364.0	18.0	VCP	Line OK		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0424	NS6-11-8	NS31-7	320.0	12.0	VCP	Lt MD in lat(257'), Line OK		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0425	NS31-6	NS31-5	481.0	21.0	VCP	Small OS in lats(75', 97'), Pro lats(101', 118', 137', 157', 183', 1895', 215', 239', 257', 273', 295', 376', 396', 414', 435', 459'), Large OS in lats(177', 455'), Long. Crack(170'), Sectional Liner failure, wrinkle at 6 O'clock(356' to 362')		4.2					\$ -										\$ -		\$ -	\$ -	2	\$ 12,000.00	\$ -
SW0426	NS31-5	NS31-4	460.0	24.0	VCP	Lt Roots in lats(16', 132'), Small OS in lats(36', 70', 92', 251', 307', 425'), Pro lats(108', 150', 172', 186', 213', 232', 288', 292', 334', 382', 415'), Med MD in lat(269'), Lt MD in lat(351'), Large OS in lat(375')		2.3					\$ -										\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -
SW0427	NS31-4	NS31-3	376.0	24.0	VCP	Line OK		2.3				\$ -									\$ -		\$ -	\$ -	4	\$ 24,000.00	\$ -		
SW0428	NS33-3	NS33-2	429.0	24.0	VCP	Line OK		2.3				\$ -	1								\$ 5,100.00		\$ -	\$ -	1	\$ 6,000.00	\$ 5,100.00		
SW0429	NS33-7	NS33-6	372.0	12.0	VCP	Pro lats(24'), Long. Cracks(140', 286'), Mult. Cracks(94')		2				\$ -									\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	
SW0430	NS37-7	NS37-6	368.0	12.0	CIPP	Line OK		2				\$ -									\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	
SW0431	NS37-6	*NS37-5A	180.0	18.0	CIPP	Lt MD in lat(158'), Line OK		2.1				\$ -									\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	
SW0432	NS37-5	NS37-4	477.0	21.0	CIPP	Hvy Roots in lat(348'), Pro lats(426', 428'), Small OS in lat(466')		2.1				\$ -									\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -		
SW0433	NS37-4	NS37-3	465.0	24.0	VCP	Large OS in lat(120'), Long. Crack(175')		4.6				\$ -									\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -		
SW0434	NS33-4	NS33-3	470.0	21.0	VCP	Pro lats(25', 28', 67', 111', 189', 273', 318', 355', 440'), Small OS lats(70', 148', 231', 270', 392'), Large OS in lats(316', 438')		2.1				\$ -									\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -		
SW0435	NS33-5	NS33-4	478.0	21.0	VCP	Pro lats(63', 151', 227', 229', 267'), Large OS in lat(106'), Small Os in lat(344', 462', 464')		2.1				\$ -								\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -			
SW0436	NS33-6	NS33-5	395.0	18.0	VCP	Large OS in lat(324'), Long. Crack(32', 393'), debris left in line		4.2				\$ -									\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -		
SW0437	NS40-7	NS40-6	368.0	12.0	VCP	Pro lats(8', 41', 53', 79', 81', 119', 285'), Long. Crack(62'), Mult. Crack(335')		2				\$ -									\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW0438	NS6-13-6-1	NS6-13-6-1	258.0	15.0	VCP	Line in good condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0439	NS40-6	NS40-5	399.0	18.0	VCP	Lt Roots in lats(41', 123'), Small OS in lats(43', 82', 121'), Pro lats(163', 189', 236', 245', 280'), Med Roots in lats(282', 319'), Mult. Cracks(163')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0440	NS40-5	NS40-4	479.0	21.0	VCP	Med Roots in lats(64', 67', 108'), Pro lats(264', 348', 389', 467'), Small OS in lats(267', 428'), Lt to Med Roots at joints(78' to 150'), Mult. Cracks(7', 434')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0441	NS40-4	NS40-3	464.0	21.0	VCP	Pro lats(27', 65', 341'), Med Roots in lat(63'), Small OS in lats(103', 300'), Med MD in lat(183'), Large OS in lat(223'), Lt Roots in lat(424'), Mult. Crack(119'), Small chip in mainline(261')		4.2				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	\$ -	
SW0442	NS37-3	NS37-2	428.0	24.0	CIPP	Lt MD at joints T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0443	NS43-7	NS43-6	356.0	12.0	VCP	Pro lats(2', 38', 62', 229', 231', 259', 277', 311'), Lt Roots in lat(350'), Lt Roots at select joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0444	NS43-6	*NS43-5A	208.0	18.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0445	NS43-5	NS43-4	468.0	21.0	VCP	Pro lats(142', 177', 459'), Large OS in lats(220', 222', 457'), Small OS in lats(257', 260', 300', 339', 417'), Mult. Crack(43'), Long. Crack(168')		5.25				\$ -									\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -	\$ -	
SW0446	NS43-4	NS43-3	466.0	21.0	VCP	Med Roots in lats(81', 111', 151'), Pro lats(109', 187', 188', 402'), Small OS in lat(351'), Long. Crack(23', 391')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0447	NS43-3	*NS43-2A	172.0	24.0	VCP	Line OK		2.3				\$ -	1								2	\$ 6,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,100.00	\$ -
SW0449	NS6-11-8	NS6-11-7	275.0	15.0	VCP	Pro lat(68'), Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0450	NS6-18-2	NS6-18-1	455.0	12.0	CIPP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0451	NS6-16-4	NS6-16-3	402.0	12.0	CIPP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0452	NS6-15-4	NS6-15-3	401.0	12.0	VCP	Line in fair condition, CL (304-318, 330-354, 369-392)		4.5				\$ -								2		\$ 7,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,000.00	\$ -
SW0453	NS6-14-5	NS6-14-4	401.0	12.0	CIPP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0454	NS6-11-7	NS6-11-6	272.0	15.0	VCP	Line in fair condition, Hvy Roots in lat(201'), Mult Fracture(185', 188'-208')		6.4				\$ -								1	\$ 8,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,100.00	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW0455	NS6-11-7	NS28-7	322.0	12.0	VCP	Line in fair condition, Lt Roots in lat(97'), Med OS in lat(175'), Long. Fracture(0'-20'), Mult. Fracture(180'-186'), No defect callouts in laterals(corrected)		6				\$ -		1		1				\$ 6,600.00		\$ -	\$ -	\$ -	\$ -	\$ 6,600.00			
SW0456	NS28-7	NS28-7A	148.0	15.0	PVC	Line in good condition, No defects observed		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0457	NS28-6	NS28-5	466.0	21.0	VCP	Line in fair condition, Large OS in lats(56', 131', 173', 254'), Broken pipe in lat(99'). Possibly defective lat that is difficult to see(218'), Mult. Fracture(34'), No defect callouts in lats and also missed several fracture and cracked areas(corrected)		8.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0458	NS28-5	NS28-4	468.0	24.0	VCP	Line in fair condition, Hvy Roots in lat(27'), Med OS in lat(29', 99', 144', 186', 189'), Large OS in lat(142'), Broken or separated pipe in lat(66', 348', 386')		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0459	NS28-4	NS28-3	380.0	24.0	VCP	Line in fair condition, Pro lats(173', 207'), Med OS in lat(213', 251'), Collapsed/Broken lat(371'), Broken pipe(199'), Mult.Fracture(214')		9.2				\$ -		1							\$ 5,100.00		\$ -	1	\$ 8,500.00		\$ -	\$ 13,600.00	
SW0460	NS28-3	NS28-2	371.0	24.0	VCP	Line in fair condition, Lt Roots in lat(18'), Hvy Roots in lats(307', 309'), Med OS in lats(31', 65', 103', 190', 273', 344'), Large OS in lat(71'), Lt Roots at select joints T/O		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0461	NS28-2	NS28-1	124.0	24.0	VCP	Line in good condition, No defects observed		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0462	NS28-1	NS28	40.0	24.0	VCP	Line in good condition, No defects observed		2.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0463	NS28-2B	NS25-2	64.0	12.0	VCP	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0464	NS6-11-6	NS25-8	329.0	12.0	VCP	Line in fair condition, Long. Crack(10'-20', 40'-74', 152', 159'-169'), Lt Roots at select joints T/O		4	329	3	10	\$ 26,240.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 26,240.00		
SW0465	NS25-8	NS25-7	166.0	15.0	VCP	Line in fair condition, Lt Roots in lat(57'), Pro lats(95', 97', 138'), Long. Crack(15', 17'-51'), Mult. Crack(27'), Mult. Fracture(37'-51'), Lt to Med Roots at select joints T/O		6.3				\$ -								2		1	\$ 8,300.00		\$ -	\$ -	\$ -	\$ -	\$ 8,300.00
SW0466	NS25-6	NS25-5	464.0	21.0	VCP	Line in fair condition, Large OS joint in lat(59'), Med OS in lat(94'), Pro lat(170'), Lt Roots in lat(370'), Long. Fracture(78'-271', 333'-410'), Mult. Fracture(410'-463'), Missed lat callout at 371'-corrected		8.4	463	1	21	\$ 54,985.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 54,985.00		
SW0467	NS25-5	NS25-4	468.0	24.0	VCP	Line in fair condition, Med OS in lats(26', 233', 350'), Large OS in lat(70', 72', 108', 390', 392'), No defect callouts on laterals, Missed three laterals(233', 352', 390')-corrected		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0468	NS28-4	E14	26.0	18.0	CIPP			2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0469	NS25-4	E13	25.0	18.0	RCP	Line OK		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0470	NS25-4	NS25-3	384.0	24.0	VCP	Line in fair condition, Large separation in lat(284'), Large OS in lats(88', 124', 166'), Missed two laterals in video and report(52', 246')-corrected		11.5				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0471	NS25-3	NS25-2	370.0	24.0	VCP	Line in fair condition, Large separation in lat(101'), Large OS in lats(138', 222', 224', 301'), No lateral defect callouts and lat at 139.7 looks defective but is hard to see-corrected		11.5				\$ -								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW0472	NS25-2	NS25-1	123.0	24.0	VCP	Line in good condition, No defects observed		2.3				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0473	NS25-2A	NS25-2	35.0	12.0	VCP	Line in fair condition, Broken(3'), Long. Fracture(5')		7.5	35			\$ 2,100.00									\$ -		\$ -		\$ -		\$ -	\$ 2,100.00
SW0474	NS25-1	NS25	42.0	24.0	VCP	Line in good condition, No defects observed		2.8				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0475	NS23-1	NS23-1A-A	96.0	27.0	RCP	Line in fair condition, Lt MD at joint(16')		2.3				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0476	NS23-1A	NS23-1	35.0	12.0	VCP	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0477	NS20-1	NS20	157.0	27.0	RCP	Line in fair condition, Alignment down 20%(97', 131')		2.3				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0478	NS6-11-6	NS6-11-5	277.0	18.0	VCP	Line in fair condition, Pro lat(118'), Long. Crack(95'-154')		1.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0479	B5-24	B5-23	48.0	10.0	VCP	Line in fair condition, Med MD in lat(5'), Long. Crack(2')		4.5				\$ -	1							1	\$ 3,250.00		\$ -		\$ -		\$ -	\$ 3,250.00
SW0480	B5-24	B5-11-7	128.0	12.0	Truss	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0481	NS6-19-1	NS6-19	334.0	15.0	CIPP			1.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0482	NS6-18-1	NS6-18	463.0	18.0	VCP	Line in good condition		1.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0483	NS6-17-2	NS6-17-1	403.0	18.0	HDPE			1.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0484	NS6-16-3	NS6-16-2	406.0	18.0	HDPE			1.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW0485	NS6-15-3	NS6-15-2	401.0	18.0	VCP	Line in poor condition, CL (79-130, 288-401), B (309, 345)		6.4	401		17	\$ 38,575.00									\$ -		\$ -		\$ -		\$ -	\$ 38,575.00
SW0486	NS6-14-3	NS6-14-2	436.0	18.0	HDPE			1.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0487	NS6-14-4	NS6-14-3	404.0	18.0	CIPP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0488	NS6-17-1	NS6-17	358.0	21.0	VCP	Line in fair condition, CL (132-144, 166-201, 222-286)		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0489	NS6-16-2	NS6-16-1	301.0	21.0	VCP	Line in fair condition, CL (123-176, 251-301)		4.8	301		12	\$ 34,595.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,595.00	
SW0490	NS6-15-2	NS6-15-1	397.0	21.0	VCP	Line in fair condition, CL (20-88, 105-243)		4.8	397		20	\$ 47,715.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,715.00	
SW0491	NS6-22	NS6-21A	172.0	24.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0493	NS6-11-5	NS6-11-4	289.0	21.0	VCP	Line in fair condition, Tap root in lat(171')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0494	B5-11-4	B5-11-3	118.0	10.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0495	B5-15-2	B5-15-1	252.0	10.0	VCP	Line in fair condition, Pro lat(17'), Mult Fracture(5'), Long. Fracture(8'), Hole(235')		6				\$ -		1			1	1	\$ 4,000.00		\$ -	1	\$ 8,500.00		\$ -	\$ -	\$ 12,500.00	
SW0496	B5-13-2	B5-13-1	392.0	10.0	CIPP	Line in fair condition, Lt Roots in lats(50', 73', 308'), Med Roots in lat(372')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0497	B5-11-5	B5-11-4	325.0	10.0	VCP	Line in fair condition, Spiral Crack(39'), Hinge Crack(106'), Long. Fracture(112', 169', 197', 231', 255')		3	325		5	\$ 17,125.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0498	B5-17	B5-16	314.0	12.0	VCP	Line in fair condition, Long.Fracture(119'), Mult Fracture(120'-129'), Circ. Crack(257', 260')		4.5				\$ -	1	1	1					\$ 9,400.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,400.00	
SW0499	B5-11-7	B5-11-6	175.0	12.0	VCP	Line in fair condition, Lt MD at select joints T/O, Circ. Crack(63'), Mult. Crack(135')		6				\$ -		1							1	\$ 3,600.00		\$ -	\$ -	\$ -	\$ -	\$ 3,600.00
SW0500	B5-11-6	B5-11-5	320.0	10.0	VCP	Line in fair condition, Hvy Roots in lat(50'), Hvy MD in lats(194', 277'), Long. Crack(49', 182'), Long. Fracture(156'. 184', 202', 265'), Mult. Crack(304')		3	320		6	\$ 17,400.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0501	B5-23	B5-22	202.0	10.0	VCP	Line in fair condition, Med MD in lat(162'), Dip(21'), Long. Fracture(122', 132'), Large Root Ball(143')		4.5				\$ -			1					\$ 3,100.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	
SW0502	B5-22	B5-13-3	355.0	10.0	VCP	Line in fair conditino, Pro lats(29', 118', 191'), Lt Roots in lat(296', 299'), Long. Fracture(17', 35', 38', 44', 46', 50', 56', 101', 189', 192', 256', 259', 262', 269')		6	355	3	7	\$ 20,975.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0503	B5-22	B5-21	190.0	10.0	VCP	Line in fair condition, Med MD in lat(80'), Lt MD at select joints T/O, Dip(180')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0504	B5-18	B5-17	162.0	10.0	VCP	Line in fair condition, Hvy MD in lat(57'), Pro lat(89', 126'), Circ. Crack(120'), Long. Crack(126')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0505	B5-6-9	B5-8-6	213.0	10.0	VCP	Line in fair condition, Long. Crack(62', 99', 122'), Broken(93'), Mult. Fracture(109')		8				\$ -	1	1							\$ 5,250.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,250.00	
SW0506	B5-6-10	B5-6-9A	242.0	10.0	VCP	Line in fair condition, Lt Roots and Lt MD at select joints T/O, Broken pipe(153')		10				\$ -	1								\$ 2,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500.00	
SW0507	B5-13-3	B5-13-2	372.0	10.0	CIPP	Line in fair condition, Med MD in lat(22'), Hvy Roots in lat(304'), Lt Roots in lat(363')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0508	B5-20	B5-15-2	235.0	10.0	VCP	Line in fair condition, Pro lat(126'), Long. Crack(182'), Long. Fracture(222'-230'), Circ. Fracture(230')		6				\$ -			1						\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	
SW0509	B5-21	B5-20	200.0	10.0	VCP	Line in fair condition, Hvy MD in lat(180'), Hvy Roots in lat(190')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0510	B5-20	B5-19	182.0	10.0	VCP	Line in fair condition, Pro lat(31'), Med MD in lat(64'), Hvy Roots in lat(104', 144'), Mult. Crack(29'), Long. Fracture(33')		6				\$ -		1			1	1	\$ 4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000.00		
SW0511	B5-19	B5-18	30.0	10.0	VCP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0512	NS6-16-1	NS6-16	299.0	24.0	VCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0513	NS6-15-1	NS6-15	451.0	24.0	VCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0514	NS6-14-1	NS6-14	230.0	24.0	VCP	Line in fair condition, CL (12-45, 93-208)		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0515	NS6-14-2	NS6-14-1	444.0	24.0	VCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0516	NS6-11-5	NS23-6	335.0	18.0	VCP	Line in poor condition, Cracks and Fractures T/O		10.5	335	1	16	\$ 33,625.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,625.00	
SW0517	NS23-6	NS23-5	374.0	18.0	VCP	Line in fair/poor condition, Cracks and Fractures T/O		8.4	374		17	\$ 36,550.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,550.00	
SW0518	NS23-5	NS23-4	463.0	21.0	VCP	Line in fair condition, Large OS in lats(299', 375'), Long. Crack(133'-152')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0519	NS23-4	NS23-3	465.0	24.0	VCP	Line in fair condition, Defective lat(37')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0520	NS23-3	E12	27.0	18.0	RCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0521	NS23-3	NS23-2	394.0	24.0	VCP	Line in fair condition, Large OS in lats(300', 373')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0522	NS23-2	NS23-1	363.0	27.0	RCP	Line in fair condition, Hvy Roots in lats(170', 174')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0523	NS6-11-4	NS6-11-3	288.0	21.0	VCP	Line in fair condition, Med OS in lat(176')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0524	NS6-11-4	NS20-6	346.0	15.0	CIPP	Line in fair condition, Lt Roots in lats(200', 211')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0525	NS20-6	NS20-5	376.0	15.0	CIPP	Line in fair condition, Large OS in lat(9')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0526	NS20-5	NS20-4	459.0	21.0	VCP	Line in fair conditio, Mult. Fractures(28', 38'-68',108'-162', 179', 282'-416')		6.3	459		28	\$ 57,605.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	57,605.00	
SW0527	NS20-4	NS20-3	468.0	24.0	VCP	Line in fair condition, Large OS in lats(115', 320', 436'), Broken pipe in lat(318'), Long. Crack(54'-96', 115', 166', 289'-298')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0528	NS20-3	E11	23.0	18.0	RCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0529	NS18-3	E10	23.0	18.0	RCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0530	NS20-3	NS20-2	394.0	24.0	VCP	No lateral defect callouts, Missed lateral at 138'		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0531	NS20-2	NS20-1	368.0	27.0	RCP	Line in good condition, No defects observed		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0532	NS20-1A	NS18-1	143.0	12.0	VCP	Line in fair condition, Large OS and broken pipe(138')		6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	8,500.00	
SW0533	NS18-1	NS18-1A-1	115.0	27.0	RCP	Line in fair condition, Lt MD at joints T/O, Wrong DS MH # on report and video		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0534	NS6-11-3	NS18-6	352.0	15.0	CIPP	Line in fair condition, Broken pipe in lat(204'), Wrinkled liner(316')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0535	B5-15-1	B5-15						1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW0536	B5-8-6	B5-8-5	385.0	10.0	CIPP	Line in fair condition, Liner Failure(166'-168')--Reinstated capped lats, liner looks bad in this area		8				\$ -	1							\$ 2,750.00		\$ -	\$ -	\$ -	\$ -	\$ 2,750.00	
SW0537	B5-6-8	B5-6-7	244.0	10.0	VCP	Line in fair condition, Hvy MD in lat(101'), Long. Crack(7', 10', 13', 97'), Circ. Fracture(94'), Spiral Fracture(137', 145', 158'), Long. Fracture(149'), Mult. Crack(161')		10				\$ -	1	1	1						\$ 8,850.00		\$ -	\$ -	\$ -	\$ -	\$ 8,850.00
SW0538	B5-6-9	B5-6-8	352.0	10.0	VCP	Line in fair condition, Mult Fracture(22'), Circ. Fracture(89'), Long. Fracture(164'), Lt Roots and Lt MD at joints T/O		7.5				\$ -	2	1							\$ 7,750.00		\$ -	\$ -	\$ -	\$ -	\$ 7,750.00
SW0539	B5-16	B5-15	270.0	12.0	VCP	Line in fair condition, Spiral Fracture(103'), Lt MD at select joints T/O		4.5				\$ -	1								\$ 3,000.00		\$ -	\$ -	\$ -	\$ -	\$ 3,000.00
SW0540	B5-11-2	B5-11-1	402.0	10.0	CIPP	Line in fair condition, Hole in liner(8')		7.5				\$ -	1								\$ 2,750.00		\$ -	\$ -	\$ -	\$ -	\$ 2,750.00
SW0541	B5-11-1	B5-11	458.0	10.0	VCP	Line in fair condition, Long. CFractures(289'-458'), Broken(318', 437', 441')		7.5	458	3	6	\$ 25,110.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 25,110.00
SW0542	B5-13-1	B5-13	395.0	10.0	CIPP	Defective Video, Video starts at end of run and follows cutter in to make cut at 49' and then video stops, submit video of CCTV investigation of line		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW0543	B5-8-5	B5-8-4	392.0	10.0	VCP	Line in fair condition, Lt Roots in lat(237'), Hvy Roots in lats(328', 355'), Long.Crack(7'), Long. Fracture(62'), Rootballs at joints(292'-344'), Mult. Fractures(367')		8				\$ -	2								\$ 5,500.00		\$ -	\$ -	\$ -	\$ -	\$ 5,500.00
SW0544	B5-6-7	B5-6-6	372.0	10.0	VCP	Line in fair condition, Pro lat(254'), Mult. Fracture(52', 80', 125'), Mult Crack(95', 117'), Lt MD at joints T/O		8				\$ -	4								\$ 11,000.00		\$ -	\$ -	\$ -	\$ -	\$ 11,000.00
SW0545	B5-13	B5-12	336.0	12.0	CIPP	Line in fair condition, Lt Roots in lat(56')		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW0546	B5-14	B5-16	35.0	12.0	CIPP	, Line in fair condition, Pipe lining omitted from report		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW0547	B5-15	B5-14	302.0	12.0	VCP	Line in fair condition, Pro lat(220'), Long. Crack(19'), Long. Fracture(229'), Hole(286')		4.5				\$ -	1	1							\$ 6,100.00		\$ -	\$ -	\$ -	\$ -	\$ 6,100.00
SW0548	NS6-11-3	NS6-11-2	295.0	21.0	VCP	Line in fair condition, Med OS in lat(49'), Long. Crack(17'-66', 97'-159', 192'), Mult. Fracture(160')		4.8	295	4	\$ 30,025.00										\$ -		\$ -	\$ -	\$ -	\$ -	\$ 30,025.00
SW0549	NS18-6	NS18-5	374.0	18.0	CIPP	Line in good condition, No defects observed		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW0550	NS18-5	NS18-4	462.0	21.0	VCP	Line in fair condition, Large OS in lats(335', 451'), Broken pipe in lat(369'), Long. Fractures(32'-336'), Mult Fractures(63'-337', 349'-462'), Broken(64')		10.5	462	2	24	\$ 56,890.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 56,890.00
SW0551	NS18-4	NS18-3	464.0	21.0	VCP	Line in fair condition, Large OS in lats(31', 150'), Lt MD in lat(33'), Broken lat(112', 191', 233'), Med OS in lats(114', 152', 310', 391', 393'), Long. Crack(105', 144')		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW0552	NS18-3	NS18-2	397.0	24.0	VCP	Line in fair condition, Large OS in lat(216'), Broken lat(375', 377'), Long. Crack(143'-150', 324', 329'), Mult Crack(293', 297', 349')		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0553	NS18-2	NS18-1	368.0	27.0	RCP	Line in fair condition, Lt MD and Lt Roots at select joints T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0554	NS18-1A	NS18-1	47.0	12.0	VCP	Line in fair condition, Broken (44'), MH numbers are the same for US and DS on report, can't tell which MH damage is near, Fix report or Re-TV		6			\$ -	1								\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00		
SW0555	NS15-1	NS15-1A	168.0	15.0	VCP	Line in fair condition, Pro lat(78'), Mult. Fracture(59'), Long. Fracture(72', 75'-97')		6.4	168	1	4	\$ 13,420.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,420.00	
SW0556	NS3-2A	NS3-2	145.0	12.0	VCP	Line in fair condition, Mult. Crack(127')		4.5				\$ -	1								\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00	
SW0557	NS2-1-1	NS3-1-1	315.0	12.0	VCP	Line in fair condition, Long. And Mult Fractures(9'-90', 180', 298'), Broken pipe in mainline(172')		7.5	315		8	\$ 22,900.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 31,400.00		
SW0558	NS2-2A	NS2-2						1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0560	NS3-1-1	NS3-1	150.0	27.0	CP	Line in fair condition, Cracked pipe in lat(28', 75')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0561	NS2-1-1	NS2-1	174.0	27.0	CP	Line in fair condition, Lt MD at joints(15', 62')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0562	NS6-1-1	NS6-1						1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0563	NS6-1-2	NS6-1-2A	333.0	27.0	VCP	Line in fair condition, Pro lats(48', 49'), Lt MD at joints(110', 300')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0564	NS6-1-5A	NS6-1-5	242.0	15.0	CIPP	Line in fair condition, Lt MD in lat(159')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0565	NS6-1-4	NS6-1-3	333.0	21.0	VCP	Line in fair condition, Pro lats(95', 208'), Med MD in lat(268'), Long. Crack(152'), Long. Fracture(174'), Mult. Fracture(178'-195', 212'-256')		4.8	333	2	16	\$ 40,635.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,635.00	
SW0566	NS6-1-4A	NS6-1-4	63.0	21.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0567	NS6-1-3	NS6-1-3A	262.0	24.0	VCP	Line in fair condition, Lt MD in lats(45', 165', 202'), Long. Crack(50', 71', 84'-101', 283')		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW0568	NS14-1	NS14	164.0	27.0	RCP	Line in fair condition, Lt MD at joints T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0569	NN1-3-2	NN1-3-1	428.0	12.0	CIPP	Line in fair condition, Grease Deposits(104'-127')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0571	NN4-2-1	NN4-2	344.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0572	NN1-3-1	NN1-3	426.0	18.0	CIPP	Line in fair condition, Lt MD in lat(43'), Hole in lat(85')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0574	NN12-2A	NN12-2	122.0	12.0	VCP	Line in fair condition, Pro lat(36'), Lt Grease stain T/O, Mult. Fracture(119')		4.5				\$ -	1								\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	
SW0579	NN7-2A	NN7-2	124.0	12.0	VCP	Line in fair condition, Pro lat(58', 60'), Lt MD at joints(114', 116', 120')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0580	NN12-1-2	NN12-1-1	293.0	27.0	CIPP	Line in fair condition, Lt Roots in lats(26', 61'), Lt Roots at joints(27', 39'), Long. Crack(255')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0581	NN9-1-1	NN9-1	175.0	27.0	RCP	Line in fair condition, Lt Roots in lat(24'), Lt MD at joints(8', 13', 35'-69')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0582	NN9-1-2	NN9-1-1	290.0	27.0	RCP	Line in fair condition, Lt Roots in lats(59', 178', 231'), Lt Roots at select joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0583	NS15-1	NS15	156.0	27.0	VCP	Line in fair condition , Lt MD at joints(95', 122')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0584	NS2-14	NS2-13	382.0	12.0	CIPP	Line in fair condition, Lt MD in line(35', 72'), Hvy MD in lat(118')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0585	NS2-9-2	NS2-9-1	320.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(71', 159', 249')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0586	NS2-15	NS2-14A	95.0	15.0	CIPP	Line in fair condition, Same MH # used on report for US and DS MH		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0587	NS2-9-1	NS2-9	396.0	15.0	VCP	Line in fair/poor condition, Long. Fractures and Cracks T/O, Pipe called out as CIPP but line is VCP		8	396	3	15	\$ 34,740.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,740.00	
SW0588	B5-8-1	B5-8	398.0	10.0	VCP	Line in fair condition , Long. Crack(33'), Lt MD at joints(77'-139', 179', 189')		4				\$ -	1							1	\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00	
SW0589	B5-8-2	B5-8-1	430.0	10.0	VCP	Line in fair condition, Pro lat(57'), Lt MD at joints(87'-139', 370'-419'), Mult. Crack(248'), Long. Fracture(268')		6				\$ -	1							\$ 2,750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,750.00	
SW0590	B5-8-3	B5-8-2	346.0	10.0	VCP	Line in fair condition, Lt MD at joints(31', 139', 166', 200')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST	
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW0591	B5-8-4	B5-8-3	320.0	10.0	Truss	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0592	B5-6-1	B5-6	302.0	10.0	VCP	Line in fair condition, Roots in lats(141', 217'), Lt Roots at joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0593	B5-6-2	B5-6-1	324.0	10.0	VCP	Line in fair condition, Pro lat(72'), Hvy MD at lat(141'), Hvy Roots in lat(217'), Lt to Med Roots at joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0594	B5-6-3	B5-6-2	278.0	10.0	VCP	Line in fair condition, Hvy Roots in lat(157'), Hvy MD in lat(223'), Lt Roots and Lt MD at select joints T/O, Long. Crack(15'), Mult. Fracture(151')		6				\$ -		1						1	\$ 3,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,500.00
SW0595	B5-6-4	B5-6-3	320.0	10.0	VCP	Line in fair condition, Pro lat(146'), Long. Crack(53'), Mult. Fracture(85')		6				\$ -		1							\$ 2,750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,750.00
SW0596	B5-6-5	B5-6-4	382.0	10.0	VCP	Line in fair condition, , Pro lats(244', 280'), Long. Crack(101'), Spiral Fracture(353'), Missing pipe(359'), Lt MD and Lt Roots at select joints T/O		8				\$ -		1							\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00
SW0597	B5-6-6	B5-6-5	330.0	10.0	CIPP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0598	B5-6-7	B5-3-8	332.0	10.0	CIPP	Line in good condition, No defects observed		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0599	B5-3-6	B5-3-5	324.0	10.0	VCP	Line in fair condition, Pro lats(22', 121'), Lt MD in lat(30'), Hvy Roots in lat(192')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0600	B5-3-5	B5-3-4	319.0	10.0	VCP	Line in fair condition, Lt MD at joints(10', 159')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0601	B5-3-4	B5-3-3	51.0	10.0	VCP	Med OS joint(16', 25'), Same US and DS MH on report		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0602	B5-3-3	B5-3-2	338.0	10.0	VCP	Line in fair condition, Lt MD at joints(38', 41', 68'-111')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0603	B5-3-2	B5-3-1	373.0	10.0	VCP	Line in fair condition, Pro lat(81'), Hvy Roots in lats(144', 310'), Lt Roots in lat(309'), Med OS joint(183', 186')		2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0604	B5-3-1	B5-3	380.0	10.0	VCP	Line in fair condition, Hvy Roots in lats(3', 10'), Large OS in lats(72', 84')		2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0605	B5-11	B5-10	229.0	12.0	VCP	Line in fair condition, Hvy Roots in lat(74'), Lt Roots at joints T/O		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0607	B5-12	B5-11	372.0	12.0	VCP	Line in fair condition, Long. Fracture(268', 336')		4.5				\$ -		2							\$ 6,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,200.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0608	B5-9	B5-8	127.0	18.0	VCP	Line in good condition, No defects observed		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0609	B5-8	B5-7	309.0	18.0	VCP	Setup 66 shows root cutting, Can't find setup 67 video on hard drive		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0610	B5-7	B5-6	311.0	18.0	VCP	Line in fair condition, Lt Roots in lat(210'), Hvy MD in lat(271')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0611	B5-6	B5-5	344.0	18.0	VCP	Line in fair condition, Lt Roots at joints T/O		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0612	B5-5	B5-4	255.0	18.0	VCP	Line in fair condition, Lt Roots at joints T/O		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0613	B5-4	B5-3A	6.0	15.0	VCP	Line in good condition, No defects observed		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0614	B5-3	B5-2	455.0	18.0	VCP	Line in fair condition, Broken pipe(41')		8.4				\$ -	1					1	1	\$ 5,100.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,100.00	\$ -
SW0615	B5-6-4B	B5-6-4A	332.0	10.0	VCP	Line in fair condition, Pro lats(157', 226'), Lt MD in lat(159'), Long. Crack(42'), Med OS joint(69'), Broken pipe(226')		10				\$ -	1					1	1	\$ 3,750.00		\$ -	1	\$ 8,500.00		\$ -	\$ 12,250.00	
SW0616	B5-3-3-1	B5-3-3	452.0	10.0	VCP	Line in fair condition, Pro lat(34'), Broken pipe(36'), Long. Fracture(50'), Long. Crack(119'), Spiral Fracture(293', 446')		8				\$ -	2	1						\$ 7,750.00		\$ -	1	\$ 8,500.00		\$ -	\$ 16,250.00	
SW0617	B5-1-6A	B5-1-6	360.0	10.0	VCP	Line in fair condition, Lt Roots in lat(7'), Pro lat(221'), Lt MD at select joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0618	B5-1-8	B5-1-7	260.0	10.0	VCP	Line in fair condition, Lt MD at joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0619	B5-1-5A	B5-1-5	360.0	10.0	VCP	Line in fair condition, Lt MD at select joints T/O, Hinge Fracture(67', 72')		8				\$ -	1						1	\$ 3,500.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,500.00	
SW0620	B5-1-2	B5-1-1	305.0	10.0	CIPP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0621	B5-1-4-1	B5-1-4	215.0	10.0	VCP	Line in fair condition, Hvy Roots in lat(77'), Roots at select joints T/O, Broken(167'), Hinge Crack(182'-187')		8				\$ -						1		\$ 3,400.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,400.00	
SW0622	B5-1-4A	B5-1-4	124.0	10.0	VCP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0623	B5-1-4	B5-1-3	76.0	10.0	VCP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW0624	B5-1	B5	76.0	18.0	CIPP	Line in good condition, No defects observed		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0625	NS2-13	NS2-12	16.0	12.0	VCP	Line in fair condition, Broken(12')		7.5	16			\$ 960.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	960.00
SW0626	NS2-12	NS2-11	400.0	18.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0627	NS2-11A	NS2-11	68.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0628	NS2-9A	NS2-9	75.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0629	NS2-8A	NS2-8	72.0	12.0	CIPP	Sewer type is CIPP but report labels pipe type as VCP		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0630	NS6-11-2	NS6-11-1	275.0	24.0	RCP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0631	NS6-11-2-1	NS6-11-2	96.0	12.0	VCP	Line in fair condition, Long. Crack(69'), Mul. Fracture(89')		7.5				\$ -	1								\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	3,100.00
SW0632	NS6-11-1	NS6-11	166.0	24.0	VCP	Line in fair condition, Med OS in lat(33'), Long. Crack(22', 91')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0633	B5-3-7	B5-3-6	326.0	10.0	VCP	Line in fair condition, Pro lats(75', 200', 214', 283'), Lt MD at select joints T/O		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0634	B5-3-8	B5-3-7	338.0	10.0	VCP	Line in fair condition, Hole(203'), Long. Fracture(226', 259', 298', 303', 318', 331'), Spiral Fracture(229', 263'), Mult Crack(232')		7.5	338		3	\$ 16,710.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	16,710.00
SW0635	NS2-8-2	NS2-8-1	307.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0636	NS2-9-3	NS2-9-2	400.0	18.0	VCP	Line in fair condition, Long. Fracture(17', 41', 45'-57', 74'-109', 188'-238'), Broken pipe(70', 396')		8	400	2	15	\$ 38,500.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	38,500.00
SW0637	NS2-8-1	NS2-8	315.0	18.0	CIPP	Line in fair condition, Lt Roots in lats(144', 182', 184')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0638	NS3-9	NS2-17	204.0	21.0	VCP	Line in poor condition, Mult. And Long. Cracks T/O, Both MH's labeled as US and DS MH's, how is that possible		8	204		4	\$ 21,380.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	21,380.00
SW0639	NS3-8A	NS3-8	145.0	24.0	CP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0640	B5-1-7	B5-1-6	358.0	10.0	VCP	Line in fair condition, Lt Roots in lat(323'), Mult. Crack(55'-69', 90'), Spiral Fracture(79'), Long. Crack(163', 240')		8				\$ -	2		1				\$ 8,100.00		\$ -	\$ -	\$ -	\$ -	\$ 8,100.00			
SW0641	NS2-7	NS2-7A	79.0	12.0	PVC	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0642	NS6-10-1	NS6-10	306.0	12.0	CIPP	Line in fair condition , Prop lat(67'), Med OS in lats(107', 188', 226')		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0643	NS6-11-2-1	NS6-11-2-2	432.0	12.0	VCP	Line in fair condition, Mult Fractures(87')		6				\$ -	1								\$ 3,100.00		\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	
SW0644	NS2-7-2	NS2-7-1	255.0	12.0	VCP	Line in poor condition, Hvy Roots in lats(32', 186'), Me dMD in lat(146'), Broken pipe in lat(241'), Long. Fractures(10'-38', 46', 52', 70', 133', 135'-143', 171', 189', 212', 228', 231'-255'), Roots at joints(149'-174')		7.5	255		11	\$ 20,800.00										\$ -		\$ -	\$ -	\$ -	\$ -	\$ 20,800.00
SW0645	NS2-8-3	NS2-8-2	400.0	15.0	CIPP	US and DS MH's in conflict, NS2-8-3 listed as DS MH in header but is shown as US and DS on Report		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0646	NS2-7-1	NS2-7	272.0	18.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0647	NS3-8	NS2-9-3	410.0	18.0	VCP	Line in fair condition, Long. Crack(121'-134', 185'-190'), US and DS MH's in conflict, NS2-9-3 listed as US MH in header but is not shown as US or DS MH on Report		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0648	NS6-9-2	NS6-9-1	295.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(189', 231')		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0649	NS6-9-1	NS6-9	205.0	15.0	CIPP	Line in fair condition, Large OS in lat(12')		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0650	NS15-7	NS15-6	121.0	12.0	VCP	Line in fair condition, Lt MD in lat(95'), Long. Crack(28'), Mult. Fracture(55'-97')		8	121		6	\$ 10,260.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 10,260.00	
SW0652	NS2-5-4A	NS2-5-4	201.0	12.0	HDPE	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0653	NS2-7-3	NS2-7-2A	55.0	15.0	CIPP	Video and report defective, US and DS MH labeled incorrectly and MH NS2-7-3 used as both MH's in report		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0654	NS3-7	NS2-8-3	410.0	18.0	VCP	US and DS MH's labeled incorrectly, MH NS3-7 listed as DS MH in header but listed as both MH's on report		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0655	NS6-8-2	NS6-8-1	350.0	12.0	VCP	Line in fair condition, Long. Crack(66'-74', 108'-113', 230', 236'), Mult. Fracture(113', 147'-157'), Pipe type listed as CIPP		6				\$ -		1	1					4	\$ 8,500.00		\$ -	\$ -	\$ -	\$ -	\$ 8,500.00	
SW0656	NS6-8-1	NS6-8	352.0	15.0	VCP	Line in fair condition, Lt Roots in lats(46', 88'), Med OS in lats(165', 245'), Mult. Fracture(49'-59', 340'-346'), Circ. Fracture(300')Pipe type listed as CIPP		6.4				\$ -	1	2							\$ 10,900.00		\$ -	\$ -	\$ -	\$ -	\$ 10,900.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0657	NS3-1-7	NS3-1-6	385.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0658	NS2-5-4	NS2-5-3	180.0	15.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0659	NS2-5-3	NS2-5-2	96.0	15.0	CIPP	Line in fair condition, Lt Roots in lat w/ broken pipe(2')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0660	NS2-5-2	NS2-5-1	174.0	15.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0661	NS3-6	NS2-7-3	408.0	18.0	CIPP	US and DS MH's labeled incorrectly		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0662	NS2-1-6	NS2-1-5	310.0	18.0	CIPP	Line in fair condition, Lt Roots in lat(242'), Missed lat at (168')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0663	NS6-7-4	NS6-7-3	341.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0664	NS6-7-1	NS6-7	203.0	15.0	VCP	Line in fair condition, Med OS in lat(31', 73'), Long. Crack(72', 105'-119', 139'-148'), Pipe type listed as CIPP		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0665	NS6-7-3	NS6-7-2	40.0	15.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0666	NS15-5A	NS15-5	321.0	15.0	VCP	Line in fair condition, Lt MD in lat(44'), Lt Roots in lat(145', 188'), Long. Crack(6'), Mult Fracture(141', 166'-212', 275'-321')		10.5	321		11	\$ 26,365.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	26,365.00	
SW0667	NS2-5-1A	NS2-5	142.0	15.0	VCP	Line in fair condition, Lt Roots at select joints T/O, Defective spot repair(126')		10.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	8,500.00	
SW0669	NS3-1-6	NS3-1-5	310.0	18.0	CIPP	Line in fair condition, Lt to Hwy Roots in lats(9', 27', 68', 162', 186')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0670	NS6-6-3	NS6-6-2	357.0	12.0	CIPP	Line in fair condition, Several laterals have been undercut		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0671	NS6-6-1	NS6-6	400.0	15.0	CIPP	Line in fair condition, Lt Roots in lat(271'), Med OS in lat(307', 309')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0672	NS6-6-2	NS6-6-1	320.0	15.0	CIPP	Line in fair condition, Lt Roots in lats(98', 140')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0673	NS14-6	NS14-5	293.0	24.0	RCP	Line in fair condition, CL (77-90, 119-211)		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0674	NS15-5	NS15-4	18.0	15.0	VCP	Line in good condition, No defects observed		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0676	NS2-1-5	NS2-1-4	342.0	24.0	VCP	Line in fair condition, Long. Cracks(39', 75', 109', 162', 263', 269')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0677	NS15-4	NS15-3	419.0	24.0	VCP	Line in fair condition, Med OS in lat(70'), Pro lat(228'), Crakced pipe in lat(269'), Separated pipe in lat(347'), Long. Cracks T/O, Mult. Fracture(125'-152'), Missed lat at 230',		6.9	419	1	21	\$ 11,000.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,000.00	
SW0679	NS3-1-5	NS3-1-4	342.0	24.0	CIPP	Line in fair condition, Hvy Roots in lat(77'), Large OS in lat(233')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0680	NS3-1-4	NS3-1-3	323.0	24.0	CIPP	Line in fair condition, Hvy Roots in lat(296')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0681	NS2-1-4	NS2-1-3	323.0	24.0	CIPP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0682	NS6-5-4	NS6-5-3	344.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(17', 173'), Med OS in lat(331'), Large OS in lat(135')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0683	NS6-5-2	NS6-5-1	293.0	15.0	CIPP	Line in fair condition, Med OS in lat(34')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0684	NS6-5-3	NS6-5-2	320.0	15.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0685	NS6-5-1	NS6-5	297.0	18.0	CIPP	Line in fair condition, Large OS in lat(18'), Broken pipe in lat(93')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0686	NS14-4	EH-35	25.0	18.0	RCP	Line in good condition		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0687	NS14-4	NS14-3	287.0	24.0	VCP	Line in fair condition, Lt MD in lats(163', 191'), Lt MD at joints(46', 80')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0688	*NS15-3	*E9	25.0	18.0	RCP	Med MD @ joint(18')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0689	NS2-1-3	NS2-1-2	48.0	24.0	VCP	Line in fair condition, Long. Crack(9'-17')		5.4	48			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0690	NS2-1-2	NS2-1-1	485.0	21.0	CP	Line in fair condition, Lt Roots at select joints		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0691	NS6-3-4	NS6-3-3	347.0	12.0	CIPP	Line in fair condition, Pro lat(100')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0692	NS6-3-3	NS6-3-2	320.0	15.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0693	NS6-3-1	NS6-3	382.0	18.0	HDPE	Line in fair condition, Med OS in lats(104', 143', 144'), Flow Arrow and MH labels incorrect		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0694	NS6-3-2	NS6-3-1	400.0	18.0	CIPP	Line in fair condition, Med OS in lat(23'), Lt Roots in lat(143'), Large OS in lat(346'), Flow Arrow and MH labels incorrect		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0695	NS14-3	NS14-2	85.0	24.0	VCP	Line in fair condition, Large OS in lat(38'), Broken pipe in lat(77')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0696	NS15-3	NS15-2	395.0	24.0	VCP	Line in fair condition, Lt Roots in lat(58'), Large OS in lat(61'), Hvy MD in lat(99', 139'), Med OS in lats(183', 258', 375'), Broken pipe in lat(186'), Long. Crack(29'-36', 201'), Mult. Fracture(36'-80', 206', 277')		4.6	395	1	23	\$ 12,000.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000.00	
SW0697	NS3-1-3	NS3-1-2	34.0	24.0	CIPP	Labeled sewer as being lined in report, sewer is VCP pipe		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0698	NS3-1-2	NS3-1-1	318.0	27.0	RCP	Line in fair condition, Lt Roots in lat(172'), Lt MD in lat(207')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0699	NS6-2-1	NS6-2	343.0	21.0	VCP	Line in fair condition, Med OS in lat(313'), Long. Crack(53', 122', 214'), Did not label three capped connections as capped(273', 274', 314')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0700	NS6-2-5	NS6-2-4	349.0	12.0	HDPE	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0701	NS6-2-4	NS6-2-3	320.0	15.0	CIPP	Line in fair conditon, Large OS in lats(26', 28'), Lt Roots in lat(107')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0702	NS6-2-3	NS6-2-2	336.0	18.0	VCP	Line in fair condition, Long. Cracks T/O, Mult Cracks T/O		6.4	336		15	\$ 32,700.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,700.00	
SW0703	NS6-2-2	NS6-2-1	338.0	21.0	VCP	Line in fair condition, Lt Roots in lats(150'), Long. Crack(17', 20', 180'), Missed lat at 205'		3.2				\$ - 1 1									\$ 9,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,200.00	
SW0704	NS14-2	NS14-2A	200.0	27.0	RCP	Line in good condition, No defects observed		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0705	NS15-2	NS15-1	370.0	27.0	VCP	Line in fair condition, Lt MD at select joints T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0722	NN51-1	Blind Tap	25.0	24.0	VCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0723	NN51-7	NN51-6	230.0	15.0	VCP	Pro lats(2', 9', 73', 81'), Long. Crack(29'), Lt Roots @ joints(59')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0724	NN51-6	NN51-5	457.0	18.0	VCP	Pro lats(77', 98', 99', 193'), Line OK		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0725	NN51-5A	NN51-4	337.0	21.0	VCP	Small OS in lat(320'), Mult. Cracks(252')		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0726	NS59-24-3	NS59-24-2	511.0	15.0	VCP	Lt Roots in lats(181', 227'), Pro lats(313', 337'), Small OS in lat(488'), Lt of Med Roots at joints(0' to 100'), Mult. Crack(101')		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0727	NS59-9-1-6A	BLIND TAP	95.0	12.0	VCP	Mult and Long. Cracks T/O, Long. Fracture (16'), Lt MD at joints T/O	None	5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0728	NS59-12-1-1	NS59-12-1	246.0	18.0	RCP	Line OK		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0729	NS59-9-0-4	NS59-9-0-3	259.0	15.0	VCP	Pro lats(77', 83', 135', 171', 246'), Lt to Med Roots at joints(9' to 85')		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0730	NN51-4	NN51-3	345.0	21.0	VCP	Large OS in lats(40', 86'), Pro lat w/ Lt Roots(129'), Hvy Roots in lat(154'), Small OS in lat(277'), Pro lat(310')		2.1				\$ -									\$ -		\$ -		\$ -	3	\$ 18,000.00	
SW0731	NN51-2	NN51-1	141.0	24.0	VCP	Pro lats(44', 95'), Pro lat w/ Hvy MD(89'), Skipped lateral @ 30'		2.3				\$ -									\$ -		\$ -		\$ -	1	\$ 6,000.00	
SW0732	NN49-1	Blind Tap	20.0	21.0	VCP	Line Ok		2.6				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0733	*NN49-7A	NN49-7	294.0	12.0	VCP	Pro lats(22', 52', 214', 215', 248', 256', 290'), Mult. Cracks(94', 158'), Long. Crack(180', 224')		2				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0734	*NN49-6A	NN49-6	117.0	15.0	VCP	Pro lat(62'), Pro lat w/ Lt MD(86'), Mult. Cracks(51')		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0735	NN49-6	NN49-5	456.0	18.0	VCP			2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0736	*NN49-4A	NN49-4	168.0	21.0	VCP	Pro lats(3', 41', 91'), Prp lat w/ Lt Roots(39'), Small OS in lats(82', 84'), Lt Roots @ joints T/O		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0737	NN49-4	NN49-3	357.0	21.0	VCP	Lt Roots in lat(75'), Pro lats(110', 113', 177', 230', 232'), Small OS in lat(155', 191', 270'), Lt Roots @ select joints T/O		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW0738	NN49-3	NN49-2	368.0	21.0	VCP	Pro lats(32', 70', 72', 271', 287'), Lt Roots in lat(112'), Small OS in lat(114', 150', 151'), Large OS in lat(231'), Pro lat w/ Lt MD(308'), Lt MD in lat(311')		2.1				\$ -									\$ -		\$ -		\$ -	1	\$ 6,000.00	
SW0739	NN49-2	NN49-1	116.0	21.0	VCP	Lt MD in lat(95'), Lt MD @ joint(85')		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0740	NN49-2-1	NN49-2	217.0	12.0	VCP	Lt MD in lat(118'), Pro lat(142'), Long. Crack(45')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0741	NN47-8	NN47-7	348.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0742	NN47-7	NN47-6	367.0	15.0	VCP	Hvy Roots in lats(43', 312'), Small OS in lat(122'), Pro lats(156', 158'), Lt Roots in lat(231'), Long. Crack(65', 277'), Mult. Cracks(334'), Lt Roots @ various joints T/O		5.25				\$ -									\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -	
SW0743	NN47-6	NN47-5	447.0	18.0	VCP	Pro lats(64', 235', 354', 392', 413', 425'), Lt Roots in lat(111'), Med Roots in lat(151', 187'), Large OS in lat(387')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW0744	NN47-5A	NN47-4	168.0	21.0	VCP	Small OS(35', 79', 105', 107'), Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0745	NN47-4A	NN47-3	205.0	21.0	VCP	Small OS in lats(189', 191', 266', 344'), Pro lats(226', 228', 268', 329'), Large OS in lat(308')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW0746	NN47-3	NN47-2	370.0	21.0	VCP	Small OS in lats(38', 151', 272', 307', 349'), Pro lats(61', 71', 309'), Lt Roots in lat(152'), Large OS in lats(188', 270'), Lt MD in lat(228')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -	
SW0747	NN47-2-1	NN47-2	209.0	12.0	VCP	Pro lat(138'), Survey abandoned(209') -- Material in pipe blocking half of pipe		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0748	NN47-2	NN47-1	115.0	21.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0749	NN38-1	Blind Tap	152.0	24.0	VCP	Pro lats(61', 176', 215', 274'), Circ. Crack(325')		2.3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0750	NN32-7	NN32-6	371.0	12.0	CIPP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0751	NN32-6	NN32-5	326.0	15.0	VCP	Lt MD in lat(111'), Long. Cracks(151', 324')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0752	NN32-5	NN32-4	453.0	18.0	VCP	Pro lats(202', 222', 446'), Long. Crack(57', 79'), Mult. Cracks(79')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0753	NN32-4	NN32-3	455.0	21.0	VCP	Large OS in lats(11', 12', 128', 130', 169', 209', 328'), Hvy Roots in lat(167'), Small OS in lats(207', 365', 367'), Large OS in lat w/ broken pipe(288')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	9	\$ 54,000.00	\$ -	
SW0754	NN32-3	NN32-2	347.0	21.0	VCP	Large OS in lats(34', 274', 314'), Small OS in lats(75', 114')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -		
SW0755	NN32-2	NN32-1	357.0	24.0	VCP	Small OS in lats(6', 325'), Large OS in lat(285'), Hvy MD in lat(327')		2.3				\$ -								\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW0756	NN32-1	Blind Tap	133.0	24.0	VCP	Line OK		2.3				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0757	*NN32-1B	NN29-1	46.0	12.0	VCP	Line OK		1.5				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0758	NN29-1-1	NN29-1	161.0	12.0	VCP	Pro lat(9'), Line OK		1.5				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0759	NN29-4-1	NN29-4	27.0	27.0	RCP	Line OK		2.8				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0760	NN29-4-3	NN29-4-2	328.0	27.0	RCP	Lt MD in lat(284'), Mod Inf. At joint(314')		2.8				\$ - 1								\$ 5,500.00		\$ -	\$ -		\$ -	\$ 5,500.00	
SW0761	NN29-4-2	NN29-4-1	303.0	27.0	RCP	Lt MD in lats(145', 263', 284')		2.8				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0762	NN26-1	Blind Tap	125.0	21.0	VCP	Long. Cracks(32', 46')		2.1				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0763	NN26-1-1	NN26-1	145.0	12.0	VCP	Pro lat(70'), Line OK		1.5				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0764	NN26-1	NN24-1	265.0	12.0	PVC			1.5				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0765	NN26-8	NN26-7	135.0	12.0	VCP	Pro lats(46', 125'), Small OS in lats(64', 104'). Can not tell if so called capped laterals are really capped		1.5				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0766	NN26-7	NN26-6	381.0	12.0	VCP	Pro lats(23', 57', 67', 115', 139'), Mult. Cracks(377')		2				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0767	NN26-6	NN26-5	366.0	15.0	VCP	Video very dark, Line OK		2.1				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0768	NN26-5	NN26-4	458.0	18.0	VCP	Pro lats(268', 308', 350'), Long. Crack(41', 322')		2.1				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0769	NN26-4	NN26-3	457.0	21.0	VCP	Pro lats(16', 44', 88', 88', 130', 206', 243'), Small OS in lats(285', 287', 365', 367', 401', 403')		2.1				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	
SW0770	NN26-3	NN26-2	405.0	21.0	VCP	Pro lats(35', 219', 387'), Large OS in lats(264', 266')		2.1				\$ -								\$ -		\$ -	\$ -		\$ -	\$ 12,000.00	
SW0771	NN26-2	NN26-1	318.0	21.0	VCP	Pro lat(24'), Small OS in lats(99', 137', 140', 259')		2.1				\$ -								\$ -		\$ -	\$ -		\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE										
SW0772	NN24-1A	NN24-1	117.0	12.0	VCP	Pro lats(42', 83'), Lt Roots in lat(81'), Small OS in lat(102'), Video format different from other videos		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -			
SW0773	NN26-7	NN24-7	270.0	12.0	VCP	Large OS in lat(45'), Lt MD in lats(86', 223'), Pro lat(108'), Small OS in lat(164', 204'), Long. Crack(100')		3				\$ -									\$ -		\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -		
SW0774	NN24-7	NN24-6	386.0	12.0	VCP	Lt Roots in lat(46'), Small OS in lat(67'), Pro lat(84', 112', 145'), Mult Cracks(33' to 43')		2				\$ -									\$ -		\$ -	\$ -	\$ -	4	\$ 24,000.00	\$ -		
SW0775	NN21-9	NN21-8	33.0	15.0	VCP	Line OK		1.6				\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0776	NN21-8	NN21-7	161.0	15.0	VCP	Line OK		1.6				\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0777	NN24-7	NN21-9	152.0	15.0	VCP	Pro lats(17', 352'), Hvy Roots in lats(103', 145', 147', 184'), Long. Cracks(54', 295')		3.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0778	NN24-6	NN24-5	366.0	15.0	VCP	Pro lats(32', 196'), Long. Cracks(40', 275')		2.1				\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0779	NN24-5	NN24-4	459.0	18.0	VCP	Lt Roots in lat(110'), Hvy Roots in lats(176', 186', 348'), Pro lat(132'), Large OS w/Lt Roots in lat(319')		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	4	\$ 24,000.00	\$ -		
SW0780	NN24-4	NN24-3	456.0	21.0	VCP	Small OS in lats(85', 87', 278', 286', 364', 366'), Pro lats(165', 205'), Lt MD in lat(326'), Long. Crack(286')		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0781	NN24-3	NN24-2	406.0	21.0	VCP	Hvy Roots in lat(37', 119'), Small OS in lats(41', 159', 278', 281'), Lt MD in lat(161'), Pro lats(74', 80', 315', 396'), Large OS in lat(357'), Med MD in lats(358', 398'), Lt Roots @ joints(0' to 25')		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -		
SW0782	NN24-2	NN24-1	322.0	21.0	VCP	Lt Roots in lat(67'), Large OS in lats(69', 189'), Small OS in lats(108', 148', 227'), Pro lat(267'), Video format different from other videos, hard to read footage counter		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -		
SW0783	NN21-7	*NN21-6A	196.0	12.0	VCP	Small OS in lats(73', 151'), Pro lats(79', 123', 159'), Med Roots in lat(191')		2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0784	NN21-6	NN21-5	360.0	18.0	VCP			2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0785	NN21-5	NN21-4	450.0	18.0	VCP	Small OS in lats(29', 262', 266'), Pro lats(48', 52', 127', 131', 206', 208', 267', 279', 281', 436', 438'), Lt MD in lats(67', 69', 105', 224', 297'), Lt Roots in lat(357'), Large OS in lat(72'), Mainline pipe collapse @ lateral(270')		10.5					\$ -										\$ -		\$ -	1	\$ 8,500.00	2	\$ 12,000.00	\$ 8,500.00
SW0786	NN21-4	NN21-3	460.0	21.0	VCP	Pro lats(69', 71', 227', 229', 309'), Small OS in lats(166', 207', 209', 286', 288', 403', 405'), Lt MD in lat(326')		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0787	NN21-3	NN21-2	419.0	21.0	VCP	Small OS in lat(77', 117', 119', 237', 314', 394', 396'), Lt MD in lat(79', 157', 239'), Med MD in lat(159'), Large OS in lat(197'), Large OS in lat w/ MD(199'), Pro lats(212', 214', 296', 298')		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW0788	NN21-2	NN21-1	287.0	24.0	VCP	Med MD in lats(19', 100'), Pro lats(224', 226'), Video format different from other videos		2.3				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0789	NN21-1A	NN21-1	153.0	12.0	VCP	Large OS in lat(71'), Long. Crack(79'), Video format different from other videos		4				\$ -									\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -
SW0790	NN21-1	Blind Tap	152.0	24.0	VCP	Video format different from other videos, Line OK		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW0791	NN21-7	NN19-7	287.0	18.0	VCP	Small OS in lats(24', 85', 145'), Lt Roots in lat(65'), Pro lats(206', 208'), Long. Cracks(14', 143')		1.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0792	NN19-7	NN19-6	365.0	12.0	VCP	Hvy Roots in lat(57'), Small OS in lat(70'), Pro Lat(195'), Lt Roots in lat(286'), Object stuck in joint(99'), Long. Crack(208'), Mult. Cracks(220')		5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0793	NN12-5-8	NN16-9	145.0	18.0	CIPP	Line in fair condition, Hole in mainline at lat(26'), Mult. Fracture(35', 60'-70')		1.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0794	NN19-7	NN16-9	329.0	21.0	VCP	Pro lats(113', 273'), Line OK		1.6				\$ -								\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW0795	*NN19-5A	NN19-5	194.0	18.0	VCP	Med Roots in lat(62'), Pro lat(140'), Line OK		2.1				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0796	NN19-5	NN19-4	458.0	18.0	VCP	Hvy Roots in lat(30'), Pro lats(188', 190', 228', 266', 300', 308', 386', 428'), Small OS in lat(292'), Long. Crack(13', 279'), Mult. Cracks(132', 337')		5.25				\$ -								\$ -		\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -
SW0797	NN19-4	NN19-3	457.0	21.0	VCP			2.1				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0798	NN19-3	NN19-2	413.0	24.0	VCP	Large OS in lats(131'), Lt MD in lat(133'), Small OS in lats(157', 195', 235', 314', 316'), Lt Roots in lats(274', 276')		2.3				\$ -								\$ -		\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -
SW0799	NN19-2	NN19-1	289.0	24.0	VCP	Hvy MD in lat(24'), Large OS in lats(63', 221'), Small OS in lats(101', 103', 142', 144', 263')		2.3				\$ -								\$ -		\$ -	\$ -	3	\$ 18,000.00	\$ -	
SW0800	NN19-1A	NN19-1	67.0	12.0	VCP	Line OK		1.5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0801	NN19-1	Blind Tap	153.0	24.0	VCP	Pro lats(75', 184'), Med MD in lats(163', 203'), Mult. Cracks(16'), Hole in Pipe(110', 118')		6.9				\$ -							\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW0802	NN19-1	NN16-1	333.0	12.0	VCP	Lt MD in lat(81'), Line OK		1.5				\$ -			1						\$ 3,200.00		\$ -	\$ -	\$ -	\$ -	\$ 3,200.00
SW0803	NN19-6	NN19-5	183.0	12.0	CIPP	Line in fair condition, Hvy Roots in lat(33')		1.5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0804	NN1-6-8	NN1-6-7	251.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(19', 61', 171'), Lining Failure--Wrinkles(87', 131'-155', 243')		1.5			\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -	
SW0805	NN1-6-9	NN1-6-8	184.0	12.0	VCP	Line in fair condition, Hvy Roots in lat(16'), Pro lat(38'), Lt Roots in lat(66', 99', 139'), Mult. Fracture(9'-31', 51'-107', 141'-184'), Deformed(12'-23', 62'-107')		1.5	184	1	6	\$ 14,540.00									\$ -		\$ -		\$ -	\$ -	\$ 14,540.00	
SW0806	NN1-4-9	NN1-4-8	246.0	12.0	CIPP	Line in fair condition, Hvy Roots in lats(133', 135', 222', 225'), Lining failure Pinhole with roots(137'), Survey Abandoned(222')--Hvy Roots from lat in mainline		1.5			\$ -	1								\$ 3,000.00		\$ -		\$ -		\$ -	\$ 3,000.00	
SW0807	NN1-4-10	NN1-4-9	182.0	12.0	VCP	Line in fair/poor condition, Mult. Fracture(27'-76', 116'-122', 131'-182'), Deformed(27'-76', 157'-182')		1.5	182		6	\$ 13,920.00								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 22,420.00	
SW0808	NN1-9-3-3	NN1-9-3-4	83.0	12.0	VCP	Line in fair condition, Mult. Fracture(4'-83'), Deformed(35'-83')		6	83			\$ 4,980.00								\$ -		\$ -		\$ -		\$ -	\$ 4,980.00	
SW0809	NN1-9-3-3	NN1-9-3-2	211.0	18.0	CIPP	Line in good condition, No defects observed		1.6				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW0810	NN1-9-5	NN1-9-4	243.0	15.0	CIPP	Line in fair condition, Lt Roots in lat(188')		1.6				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW0811	NN1-7-6	NN1-7-5	258.0	21.0	CIPP	Line in fair condition, Lt Roots in lats(25', 235')		1.6				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW0812	NN1-7-7	NN1-7-6	196.0	21.0	CIPP	Line in fair condition, Lt Roots in lats(61', 1711), Pro lat(192')		1.6				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW0814	NN1-12	NN1-11	136.0	24.0	RCP	Line in fair condition, Lt H2S damage T/O		1.8				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW0815	NN1-13	NN1-12	500.0	24.0	RCP	Line in fair condition, Lt Roots at Joints(11', 23', 27', 31'), Survey Abandoned(121')--Hvy Debris and Roots		1.8				\$ -							\$ -		\$ -		\$ -		\$ -	\$ -		
SW0816	NN1-13	NN1-14	120.0	24.0	RCP	Line in good condition, No defects observed		2.3				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW0817	NN4-9	NN4-8	244.0	24.0	CIPP	Line in fair condition, Med Roots in lats(53', 123'), Overcut service(161'), Lt Roots in lat(238')		1.8				\$ -							\$ -		\$ -		\$ -		\$ -	\$ -		
SW0819	NN1-9-4	NN1-9-3	261.0	18.0	CIPP	Line in fair condition, Broken pipe in lat(80')		1.6				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW0820	NN1-16	NN1-15	38.0	18.0				1.6				\$ -							\$ -		\$ -		\$ -		\$ -	\$ -		
SW0822	NN16-1-1	NN1-16	13.0	18.0				1.6				\$ -							\$ -		\$ -		\$ -		\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0823	NN1-20-2	NN1-7-9	30.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0824	NN1-15	NN1-14	34.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0825	NN1-16-1-1	Lift Station	25.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0826	NN16-1-4	NN16-1-3	272.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0827	NN1-17	NN1-16	267.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0828	NN1-18	NN1-17	114.0	18.0	VCP	Line in fair condition, Circ. Fracture in MH channel(0')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0829	NN1-19	NN1-18	156.0	18.0	VCP	Line in fair condition, Lt Grease Deposits(1'-59", 97'-156")		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0830	NN1-20	NN1-19	268.0	18.0	VCP	Line in fair condition, Med Os in lat(27"), Lt MD at joints T/O, Long. Fracture(256")		4.8				\$ -	1								\$ 4,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,100.00	
SW0831	NN1-20-1	NN1-20	115.0	18.0	VCP	Line in fair condition, Lt roots and Lt MD at select joints T/O		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0832	NN1-20-1	NN1-20-2	310.0	18.0	VCP	Line in fair condition, Lt MD at joints T/O		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0833	NN1-7-10	NN1-7-9	263.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0834	NN1-7-11	NN1-7-10	266.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0835	NN1-7-12	NN1-7-11	267.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0836	NN16-1-3	NN16-1-2	238.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0837	NN16-1-2	NN16-1-1	20.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0839	NN1-7-14	NN1-7-13	120.0	18.0	VCP	Line in fair condition, Lt MD at joints T/O		2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0840	E6-16	E6-15	111.0	18.0	RCP	Line in fair condition, Drop connection(106')		2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0841	NN1-7-13	E6-15-1	139.0	18.0	VCP	Line in fair condition, Lt MD at joints T/O		2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0842	E6-15-1	E6-15	27.0	18.0	RCP	Line in fair condition, Circ. Fracture(20'), Square cut-out for drop connection		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0843	E6-15-1	NN1-7-12	86.0	18.0	VCP	Line in fair condition, Lt Roots and Lt MD at joints T/O, Survey abandoned(86')-Roots		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0844	NN1-7-8	NN1-7-7	103.0	21.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0845	NN1-7-9	Lift Station	30.0	18.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0847	NN1-14	Lift Station	27.0	24.0				1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0848	NN16-1-3-3	NN16-1-3-2	302.0	10.0	VCP	Line in fair condition, Lt MD in lats(66', 69', 264', 267'), Lt MD at joints T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0849	NN16-1-3-2	NN16-1-3-1	304.0	10.0	VCP	Line in fair condition, Lt MD in lat(68'), Lt MD at joints T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0850	NN16-1-3-1	NN16-1-3	300.0	10.0	VCP	Line in fair condition, Pro lat(73'), Lt MD at joints T/O, Abandoned Survey(73)-Pro lat, Reverse-Lt MD at joints T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0851	NN1-16-3	NN1-16-2	302.0	10.0	VCP	Line in fair condition, Lt Roots in lats(58', 258'), Hvy Roots in lats(61', 260'), Long. Fracture(118'), Lt MD at joints T/O, Lt Roots at select joints T/O		4.5				\$ -	1								\$ 2,750.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,750.00	
SW0852	NN1-16-2	NN1-16-1	300.0	10.0	VCP	Line in fair condition, Lt MD in lat(59', 210'), Med OS in lat(207'), Large OS in lat(256'), Mult. Fracture(236'-243'), Lt MD at select joints T/O		1.5				\$ -		1							\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00	
SW0853	NN1-16-1	NN1-16	300.0	10.0	VCP	Line in fair condition, Large OS in lats(9', 12'), Fractured lat(77'), Circ. Fracture(2'), Lt MD at select joints T/O		4.5				\$ -	1								\$ 2,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500.00	
SW0854	NN1-17-3	NN1-17-2	301.0	10.0	VCP	Line in fair condition, Survey Abandoned(43')-Large MD, Reverse, Line in fair condition, Lt MD in lats(146', 245'), Long. Crack(12'), Lt MD at select joints T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0855	NN1-17-2	NN1-17-1	300.0	10.0	VCP	Line in fair condition, Large OS in lats(56', 161'), Lt MD in lats(207', 211'), Med OS in lat(260'), Lt MD at select joints T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0856	NN1-17-1	NN1-17	301.0	10.0	VCP	Line in fair condition, Med OS in lat(11'), Lt MD at joints T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0857	NN1-19-3	NN1-19-2	303.0	10.0	CIPP	Line in fair condition, Large OS in lat(11'), Lt MD in lats(64', 107', 162'), Lt Roots in lat(209')		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0858	NN1-19-2	NN1-19-1	300.0	10.0	VCP	Line in fair condition, Large OS in lat(160'), Med OS in lat(163'), Lt MD at select joints T/O		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0859	NN1-19-1	NN1-19	300.0	10.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0860	NN16-1-4-3	NN16-1-4-2	317.0	12.0	VCP	Line in fair condition, Lt MD in lat(138'), Lt MD at select joints T/O		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0861	NN16-1-4-2	NN16-1-4-1	321.0	12.0	VCP	Line in fair condition, Med OS in lat(123'), Long. Crack(63'), Lt MD at select joints T/O		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0862	NN16-1-4-1	NN16-1-4	320.0	12.0				1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0863	NN1-23	NN1-22	350.0	12.0	CIPP	Line in fair condition, Med OS in lat(154'), Hvy Roots in lats(305', 308'), Survey Abandoned(308')-Hvy Rotos in lat(308'), Reverse-Line in fair condition, Survey Abandoned(42')-Hvy Roots in lat		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0864	NN1-21	NN1-22	370.0	12.0	CIPP	Line in fair conditin, Med OS in lats(112', 167', 265', 317', 357', 360')		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0865	NN1-21	NN1-20	255.0	12.0	VCP	Line in fair condition, Med OS in lat(169'), Lt Roots in lat(222'), Lt MD at select joints T/O		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0866	NN1-7-9-3	NN1-7-9-2	343.0	15.0	CIPP	Line in fair/poor condition, Pro lat(59'), Hvy MD in lat(99'), Long. Fracture(23'-30', 30'-48', 57', 91'-100'), Hole with void visible at lat(47'), Broken pipe(98'), Hvy Roots in mainline(90'-110'), Survey abandoned(100')-Root ball, Reverse-Hvy Roots in lat(243'), Long. Fracture(61', 102', 200', 225', 243')		1.6					\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW0867	NN1-7-9-2	NN1-7-9-1	360.0	15.0	CIPP	Line in fair condition, Med OS in lats(104', 146', 261'), Pro lats(201', 203', 280'), Med MD in lat(201'), Circ. Fracture(1'), Long. Fracture(96')		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0868	NN1-7-9-1	NN1-7-9	375.0	15.0				1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0869	NN1-7-10-3	NN1-7-10-2	356.0	15.0	VCP	Line in fair/poor condition, Pro lat(34', 132'), Lt roots in lats(39', 88'), Hvy Roots in lat(84'), Mult Fracture(2'-132'), Survey abandoned(132')-pro lat, Reverse Set-up, Line in fair/poor condition, Med OS in lat(64', 115'), Large OS in lats(67', 119', 172', 175'), Lt Roots in lat(221'), Mult.		1.6	356	2	14	\$ 31,140.00										\$ -		\$ -	\$ -	\$ -	\$ -	\$ 31,140.00
SW0870	NN1-7-10-2	NN1-7-10-1	352.0	15.0	VCP	Line in fair condition, Large OS in lats(23', 138'), Med OS in lats(26', 88', 141', 191', 194'), Circ. Fracture(1'), Long. Fracture(41', 75', 348'), Mult. Fracture(134'-164', 350')		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0871	NN1-7-10-1	NN1-7-10	372.0	15.0	CIPP			1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW0872	NN1-7-11-2	NN1-7-11-1	355.0	15.0	VCP	Line in fair condition, Large OS in lats(13', 16', 62', 336'), Med OS in lats(114', 157'), Lt MD in lat(118'), Pro lat(206'), Cracks in lat(339'), Lt MD at select joints T/O		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0873	NN1-7-11-1	NN1-7-11	382.0	15.0	VCP	Line in fair condition, Small OS in lats(36', 86', 179', 194', 300', 337'), Med OS in lat(135'), Crack in lat(138'), Large OS in lats(228', 231'), Long. Fracture(308', 342'-350')		1.6			\$ -	1	1							\$ 7,200.00		\$ -	\$ -	\$ -	\$ -	\$ 7,200.00		
SW0874	NN1-7-12-2	NN1-7-12-1	302.0	15.0	VCP	Line in fair condition, Hy Roots in lat(62'), Med OS in lat(65'), Pro lat(115'), Lt MD in lat(121'), Large OS in lat(290'), Lt Roots at select joints T/O, Long. Fracture(3', 36', 220', 266'-302'), Mult. Fracture(279', 282')		1.6	302	1	11	\$ 25,630.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 25,630.00	
SW0875	NN1-7-12-1	NN1-7-12	388.0	15.0	VCP	Line in fair condition, Large OS in lat(45'), Small OS in lat(98'), Med OS in lat(247', 250'), Broken pipe in lat(300'), Long. Fracture(37', 43'), Long. Crack(53', 68', 227', 260'), Lt MD at select joints T/O		4.8			\$ -		1							\$ 3,700.00		\$ -	\$ -	\$ -	\$ -	\$ 3,700.00		
SW0876	NN1-7-15-1	NN1-7-15	276.0	12.0	VCP	Line in fair condition, Lt MD at joints T/O, Circ. Fracture(269')		1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0877	NN1-7-15-1A	NN1-7-15-1	83.0	12.0	VCP	Line in fair condition, Long. Crack(25')		1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0878	NN1-7-15-2	NN1-7-15-1	29.0	12.0	VCP	Line in good condition, No defects observed		1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0879	NN1-7-15-2A	NN1-7-15-2	138.0	10.0	VCP	Line in fair condition, Lt Roots in lat(15'). Med OS in lat(111'), Lt Roots at joints T/O, Long. Crack(74')		1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0880	NN1-7-15-3	NN1-7-15-2	418.0	12.0	VCP	Line in fair condition, Lt Roots in lat(84'), Med OS in lat(333'), Lt MD at joints T/O, Mult. Fracture(82'-85')		1.5			\$ -	1							1	\$ 3,600.00		\$ -	\$ -	\$ -	\$ -	\$ 3,600.00		
SW0881	NN1-7-15	NN1-7-14	193.0	18.0	VCP	Line in fair condition, Lt MD at joint(165')		1.6			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0882	E6-18	E6-17	260.0	18.0	RCP	Line in good condition, No defects observed		2.6			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0883	E6-17	E6-16	276.0	18.0	RCP	Line in fair condition, Infiltration stain at joints(82', 226')		2.6			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0884	NN7-9	NN7-8	115.0	12.0	CIPP			1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0885	NN1-7-20-1	NN1-7-20	267.0	10.0	RCP	Line in good condition		1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0886	NN1-7-19	NN1-7-18	124.0	18.0	VCP	Line in fair condition, Long. Crack(3'-37'), Lt Roots at joints(19', 24'), Lt MD at joints(71', 102')		1.6			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0887	NN1-7-18-1	NN1-7-18	350.0	12.0	VCP	Line in fair condition, Small OS in lat(228'), Long. Crack(12'), Lt MD at select joints T/O		1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0888	NN1-7-17-1	NN1-7-17	277.0	12.0	VCP	Line in fair condition, Med OS in lats(12', 152'), Lt Roots in lats(55'), Large OS in lat(162'), Lt MD at joints T/O		1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW0889	NN1-7-17-1-1B	NN1-7-17-1-1	76.0	12.0	VCP	Line in fair condition, Mult. Fracture(10'), Mult. Crack(22'), Lt MD at select joints T/O		4.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0890	NN1-7-17-1-1A	NN1-7-17-1-1	82.0	12.0	VCP	Line in fair condition, Lt MD at joints T/O, Long. Crack(27', 71')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0891	NN1-7-22	NN1-7-21	115.0	12.0	VCP	Line in fair condition, Lt Roots at joints T/O, Concrete in MH		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0892	NN1-7-16	NN1-7-15	250.0	18.0	VCP	Line in fair condition, Lt Roots in lat(49'), Med OS in lats(52', 114'), Pro lat(121'), Large OS in lat(242')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0893	NN1-7-17	NN1-7-16	243.0	18.0	VCP	Line in fair condition, Med OS in lats(188', 237'), Lt MD at joints T/O		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0894	NN1-7-18	NN1-7-17	277.0	18.0	CIPP	Line in fair condition, Med OS in lat(26'), Lt MD at joints T/O		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0895	NN1-7-23	NN1-7-22	114.0	12.0	VCP	Line in fair condition, Pro lat(22'), Lt MD at joints(53', 59')		2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0896	NN1-7-20	NN1-7-19	306.0	18.0	CIPP	Line in fair condition, Hvy Roots in lats(68', 184'), Pro lats(128', 252'), Lt Roots in lat(252'), Lt Roots at joints T/O, Long. Crack(250', 253')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0899	NN7-1-9	NN7-1-8	125.0	12.0	CIPP			1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0900	NN12-1-7	NN12-1-6	384.0	15.0	CIPP	Line in fair/poor condition, Lt Roots in lats(145', 147', 349'), Med OS in lat(107'), Mult. Fractures T/O		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0901	NN9-1-7	NN12-1-7	340.0	15.0	CIPP			1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0902	NN9-1-7	NN9-1-6	384.0	15.0	VCP	Line in fair condition, Pro lat(79'), Hvy Roots in lat(287'), Mult. Fracture(10'-16', 38'-108', 143'-317'), Lt to Med Roots at joints T/O, Survey Abandoned(317')--Hvy Roots, Reverse Set-up, Line in fair condition, Hvy Roots in lat(59'), Lt to Hvy Roots at joints T/O, Mult. Fracture(13'-37', 44'-60')		1.6	377	1	12	\$ 31,005.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,005.00
SW0903	NN7-1-8	NN7-8	330.0	18.0	RCP	Line in poor condition, B (322), CL (3-302)		5.6	330			5	\$ 27,250.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,250.00	
SW0904	NN7-1-8	NN7-1-7	238.0	18.0	CIPP	Line in fair/poor condition, Mult Fracture(4'-95', 101'-122', 141'-173', 191'-238'), Broken(5'), Deformed(43'-80')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0905	NN9-8	NN9-7	378.0	21.0	VCP	Line in fair/poor condition, Pro lats(31', 71', 113', 230', 311'), Mult Fracture(8'-331'), Deformed(28'-317')		1.6	378	5	14	\$ 45,410.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,410.00	
SW0906	NN7-8	NN7-7	535.0	27.0	CIPP	Line in fair condition, Hvy MD in lats(402'), Survey abandoned(402')--Hvy MD in lat, Revers Set-Up, Line in fair condition, Pro lat(26'), Hvy MD in lat(37'), Lt MD at joints T/O, Survey abandoned(137')--Hvy MD in lat		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW0907	NN7-1-7	NN7-1-6	300.0	18.0	CIPP	Line in fair/poor condition, Mult Fracture(8'-33', 71'-89', 105'-166', 210'-213'), Broken(213'), Survey Abandoned(213')-Hvy Roots, Reverse Set-up, Hvy Roots in lat(87'), Mult. Fracture(8'-17', 48'-87'), Survey abandoned(87')-Hvy Roots		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0908	NN12-5-3-4	NN12-5-3-3	113.0	12.0	CIPP	Line in fair condition, Med OS in lat(47'), Lt Roots in lat(55'), Pro lat(91'), Lt Roots at select joints T/O, Long. Crack(54')		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0909	NN12-9	NN12-8	128.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(98', 118'), Mult Fracture(36'-128')		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0912	*NN16-9	*NN16-8	377.0	27.0	RCP	Pro lat(230'), Med H2S damage T/O		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0913	NN12-5-8	NN12-5-7	369.0	12.0	VCP	Line in fair/poor condition, Lt Roots in lat(193'), Long. Fracture(10'-15', 107'-113', 117'-129', 152', 287'-292'), Mult. Fracture(153'-160', 188'-271', 293'-369')		1.5	369		14	\$ 29,140.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 37,640.00		
SW0914	NN12-5-3-3	NN12-5-3-2	371.0	12.0	VCP	Line in fair condition, Lt Roots in lats(33', 113', 115'), Med OS in lat(73'), Lt Roots at joints T/O, Mult. Fracture(4'-63', 94'-122'), Survey Abandoned(122')-Hvy Roots, Reverse- Line in fair condition, Lt Roots in lats(59', 180', 184', 219'), Mult. Fracture(17'-90', 154'), Long. Fracture(165'-240'), Lt Roots at		1.5	371		15	\$ 29,760.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,760.00	
SW0915	NN12-8	NN12-7	386.0	27.0	VCP	Line in fair/poor condition, Med OS in lat(44'), Large OS in lat(125'), Cracked pipe in lat(165'), Med Roots in lat(203'), Lt Roots in lats(243', 283', 285'), Mult. Fracture(2'-294', 308'-341', 374'-386'), Deformed(18'-125')		1.8	386		15	\$ 49,960.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49,960.00		
SW0916	NN1-10-1	NN1-10	215.0	12.0	CIPP	Line in good condition, No defects observed		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0917	NN1-9-3-1	NN1-9-3	154.0	18.0	CIPP	Line in good condition, No defects observed		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0918	NN1-9-3-2	NN1-9-3-1	245.0	18.0	CIPP	Line in good condition, No defects observed		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0920	NN1-6-7	NN1-6-6	251.0	18.0	CIPP	Line in fair condition, Lt Roots in lats(93', 176')		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0921	NN1-4-8	NN1-4-7	255.0	18.0	CIPP	Line in fair condition, Med Roots in lat(164'), Lining Failure Bulge with Hvy Infiltration(216')		1.6			\$ -	1								\$ 4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000.00	
SW0922	NN1-4-7	NN1-4-6	335.0	21.0	CIPP	Line in good condition, No defects observed		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0923	NN1-9-1	NN1-9	359.0	24.0	CIPP	Line in good condition, No defects observed		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0924	NN1-9-2	NN1-9-1	63.0	24.0	CIPP	Line in good condition, No defects observed		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0925	NN1-9-3	NN1-9-2	126.0	24.0	VCP	Line in good condition, No defects observed		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0926	NN1-7-4	NN1-7-3	326.0	24.0	CIPP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0927	NN1-7-5	NN1-7-4	249.0	24.0	CIPP	Line in fair condition, Lt Roots in lats(60', 62')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0929	NN1-10	NN1-11A	123.0	24.0	CIPP	Line in fair condition, Lt H2S damage T/O, New MH found--NN1-11A		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0930	NN4-8	NN4-7	251.0	27.0	CIPP	Line in fair condition, Lt MD in lat(57'), Lt Roots at joints(73'-102'), Med MD at joint(230')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0931	NN12-1-6	NN12-1-5	371.0	18.0	VCP	Line in fair/poor condition, Lt Roots in lats(8', 9', 43', 164', 166', 204'), Med OS in lat(45'), Lt MD in lat(279'), Lt Roots at joints T/O, Mult. Fracture T/O		1.6	371		17	\$ 36,325.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,325.00	
SW0932	NN9-1-6	NN9-1-5	368.0	18.0	CIPP	Line in fair condition, Mult. Fracture(8'-22'), Med Roots at joints(0'-22'). Survey Abandoned(22')-Hvy Roots, Reverse Set-up, Line in fair condition, Pro lat(148'), Long. Fracture(35'-53'), Mult Fracture(53'-169', 211'-347'), Lt Roots at joints T/O, Survey abandoned(347')-Heavy Roots		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0934	NN7-1-6	NN7-1-5	213.0	24.0	VCP	Line in fair condition, Lt Roots in lats(59', 73', 103'), Mult. Fracture(0'-131', 185'-213'), Deformed(8'-25', 82'-125'), Broken(200', 210')		1.8	213		8	\$ 4,000.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000.00
SW0935	NN7-7	NN7-6	205.0	27.0	RCP	Line in fair condition, Lt Roots in lat(4'), Pro lat(8'), Lt MD in lat(191')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0936	*NN16-8	*NN16-7	356.0	27.0	RCP	Pro lats(12', 130'), Med H2S damage T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0937	NN12-5-7	NN12-5-6	373.0	15.0	VCP	Line in fair/poor condition, Mult. Fracture(18'-67', 99'-189', 202'-272', 297'-321'), Broken pipe(371')		1.6	373		14	\$ 31,245.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,245.00	
SW0939	NN12-7	NN12-6	373.0	27.0	VCP	Line in fair condition, Lt Roots in lats(96', 138', 179', 220', 306', 310'), Lt Roots at joints T/O		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0940	NN1-8-3	NN1-8-4	36.0	12.0	VCP	Line in fair condition, Lt MD at joints(17', 23', 26', 29'), Long. Fracture(28'), Circ. Fracture(29')		6				\$ - 1								\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00	
SW0941	NN1-8-3	NN1-8-2	115.0	12.0	VCP	Line in fair condition, Lt MD at joints(57', 60')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0942	NN1-8-2	NN1-8-1	36.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0943	NN1-8-1	NN1-8	329.0	12.0	CIPP	Line in fair condition, Lt Roots in lat(189'), Med Roots in lats(205', 229')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0944	NN1-9-2A	NN1-9-2	130.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0945	NN1-6-5	NN1-6-4	344.0	21.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0946	NN1-6-6	NN1-6-5	344.0	21.0	CIPP	Line in fair condition, Lt Roots in lat(191')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0947	NN1-7-3	NN1-7-2	353.0	24.0	VCP	Line in fair condition, Lt MD at select joints T/O, Long. Fracture(162'), Mult. Fracture(312'-353')		5.4				\$ -						2		1	\$ 500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500.00	
SW0948	NN12-1-5	NN12-1-4	449.0	24.0	CIPP	Line in fair/poor condition, Lt Roots in lats(75', 115', 236', 274', 314', 421', 425'), Med OS in lats(113', 153', 196') Pro lat(356'), Large OS in lat(276'), Lt Roots at joints T/O, Mult. Fractures and deformation T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0949	NN9-1-5	NN9-1-4	448.0	24.0	CIPP	Line in fair condition, Lt Roots in lats(37', 68', 113'), Lt to Hvy Roots at joints T/O, Mult. Fracture(24'-120'), Survey Abandoned(120')-Heavy Roots, Reverse Set-up, Line in fair condition, Lt to Hvy Roots at joints T/O, Mult. Fracture(8'-87', 98'-215')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0950	NN7-6	NN7-5	458.0	27.0	RCP	Line in fair condition, Lt Roots in lats(122', 204'), Lt MD in lat(307'), Lt Roots at select joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0951	*NN16-7	*NN16-6	293.0	27.0	RCP	Med H2S damage T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0953	NN12-5-6	NN12-5-5	297.0	21.0	VCP	Line in fair condition, Large OS in lat(238'), Mult. Fractures(23', 27'-49', 116'-133', 177'-297')		1.6	297		6	\$ 31,215.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,215.00	
SW0954	NN1-6-4	NN1-7-2-1	148.0	21.0	CIPP	Line in fair condition, Long. Fracture(12'-47'), Long. Crack(69'-82')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0955	NN1-8-1A	NN1-8-1	134.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0956	NN1-4-6	NN1-4-5	378.0	21.0	CIPP	Line in fair condition, Hvy Roots in lat(217', 240'), Lt Roots in lat(336')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0957	NN9-1-4	NN9-1-3	470.0	24.0	VCP	Line in fair/poor condition, Lt Roots in lats(211', 290'), Med Roots in lat(249'), Lt to Med Roots at joints T/O, Mult. Fracture(9'-470'), Deformed(203', 314'), Broken(459')		1.8	470		20	\$ 10,000.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00	
SW0958	NN7-1-5	NN7-1-4	451.0	24.0	VCP	Line in fair condition, Hvy Roots in lats(117'), Lt Roots in lats(128', 157', 177', 232', 271', 357'), Broken pipe in lat(234'), Mult Fracture(0'-59', 123'-142', 153'-282', 348'-451'), Deformed(190'-216', 361'-451')		1.8	451		20	\$ 10,000.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00	
SW0959	NN9-6	NN9-5	454.0	27.0	CIPP	Line in fair condition, Lt Roots at joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0960	NN9-5	NN9-4	472.0	27.0	CIPP	Line in fair condition, Lt MD in lat(50'), Lt Roots in lat(89'), Pro lat(210'), Lt Roots at joints T/O, Surface reinforcement visible at lats(29', 121', 129', 162', 210', 245', 246', 412')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0961	NN7-1-4	NN7-1-3	469.0	27.0	RCP	Line in fair condition, Lt Roots in lats(40', 80', 202', 324'), Hvy Roots in lat(161'), Med Roots in lat(243'), Lt Roots at select joints T/O, Repair patch(321'), Med OS in mainline(452')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0962	*NN16-6	*NN16-5	156.0	27.0	RCP	Pro lat(150'), Med H2S damage T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0963	NN16-6	NN12-5-5	144.0	12.0	VCP	Line in fair condition, Mult. Fractures(8'-12', 26'-34', 141')		4.5	144		1	\$ 9,140.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,140.00		
SW0964	NN12-5-4A	NN12-5-4	43.0	12.0	VCP	Line in fair condition, Mult fracture(21')		6	43			\$ 2,580.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,580.00	
SW0965	NN12-5-5	NN12-5-4	160.0	21.0	VCP	Line in fair condition, Hole in mainline at lat(9'), Lt Roots in lat(54'), Mult Crack(47'-69')		1.6				\$ -									\$ -	\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW0966	NN12-5-3	NN12-5-2	173.0	27.0	CIPP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0967	NN12-5-2	NN12-5-1	152.0	27.0	CIPP	Line in fair condition, Lt Roots in lat(91'), Lt Roots at joint(135')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0968	NN12-5-1	NN12-5	151.0	27.0	RCP	Line in fair condition, Lt Roots at joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0969	NN1-6-2A	NN1-6-1	200.0	12.0	VCP	Line in fair condition, Mult. Fracture(31'-51', 59'-147', 173'-200'), Deformed(73'-146')Broken pipe around lat(168'), Lt Roots at select joints T/O		1.5	200		4	\$ 14,000.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,000.00
SW0970	NN1-6-3	NN1-6-2	32.0	12.0	CIPP	Line in poor condition, Lt to Med Roots T/O, Mult. Fracture(8'-32')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0971	NN1-6-3A	NN1-6-3	17.0	12.0	CIPP	Survey abaondoned(17')--Liner turned into bulkhead, could not find Upstream MH NN1-6-3A		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0972	NN1-6-4	NN1-6-4A	21.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW0973	NN1-6-1	NN1-6	323.0	18.0	VCP	Line in fair/poor condition, Pro lats(49', 95', 121'), Mult. Fracture(3'-228'), Deformed(35'-211'), Broken pipe(96'), Circ. Fracture(321')		1.6	323	3	8	\$ 29,725.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,725.00
SW0974	NN1-4-5	NN1-4-4	385.0	24.0	CIPP	Line in fair condition, Lt Roots in lats(143', 189'), Broken pipe in lat(241')		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0975	NN12-1-4	NN12-1-3	473.0	24.0	VCP	Line in fair condition, Lt Roots in lats(125', 168', 208', 282', 327'), Hy Roots in lat(329'), Small OS in lat(370'), Mult. Fractures(13'-aaa221', 249'-259', 272'-342', 351'), Lt Roots at select joints T/O		1.8	473		20	\$ 10,000.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00	
SW0976	NN1-4-2	NN1-4-1A	370.0	27.0	CIPP	Line in fair condition, Lt Roots at select joints T/O		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0977	NN1-4-3	NN1-4-2	62.0	27.0	RCP	Line in fair condition, Lt Roots at joint(21')		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0978	NN1-4-4	NN1-4-3	150.0	27.0	RCP	Line in fair condition, Lt Roots at joint(20'), Lt MD at joint with Lt Infiltration(146')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0979	NN1-4-3A	NN1-4-3	116.0	12.0	VCP	Line in fair condition, Long Fracture(4'), Mult. Fracture(17'-24', 79'-85', 112'), Lt Roots at joints T/O, Hole in pipe with 1" pipe in mainline(115')		1.5	116		2	\$ 7,960.00									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 16,460.00	
SW0980	NN12-1-3	NN12-1-2	420.0	27.0	CIPP	Line in fair condition, Lt Roots in lats(77', 82'), Survey Abandoned(84')-Root ball at joint, Reverse Set-up, Line in fair condition, Pro lat(183'), Hvy Roots in lats(259', 301'), Lt Roots in lat(299'), Lt Roots at select joints T/O, Survey abandoned(336')-Root ball at joint point of previous		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0981	NN9-1-3	NN9-1-2	422.0	27.0	RCP	Line in fair condition, Lt Roots in lats(82', 84'), Lt Roots at select joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0982	NN1-4-3B	NN1-4-3A	36.0	12.0	VCP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0983	*NN16-10-2-15A	NN16-10-2-15	38.0	12.0	VCP	Line Ok		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0984	NN29-11-4-1	NN29-11-4	139.0	12.0	VCP	Line Ok		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0985	NN29-11-5	NN29-11-4	198.0	15.0	RCP	Line Ok		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0986	NN29-11-5A	NN29-11-5	125.0	12.0	RCP	Lt MD in lat(44')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0987	NN29-11-6	NN29-11-5	309.0	12.0	RCP	Lt MD in lat(18')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0988	NN29-11-7	NN29-11-6	306.0	12.0	RCP	Lt MD @ joint(70')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0989	NN29-11-8	NN29-11-7	309.0	12.0	RCP	Lt MD @ joint(190')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0990	NN29-11-4A	NN29-11-4	82.0	12.0	VCP	Line Ok		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0991	NN29-11-4	NN29-11-3	409.0	18.0	CIPP	Lt MD in lat(31'), Small OS in lat(113'), Lt Roots in lats(189', 191'), Large OS in lat(386')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000.00		
SW0992	NN29-11-3	NN29-11-2	391.0	21.0	VCP	Large OS in lat(58'), Small OS in lats(60', 98', 261', 340'), Pro lat(219'), Lt Roots @ joints(170' to 198', 215' to 223')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000.00		
SW0993	NN29-11-2	NN29-11-1	335.0	24.0	VCP	Lt Roots @ joints(32' to 39', 230' to 270'), Lt Roots in lat(40', 117'), Small OS in lats(44', 158', 310'), Large OS in lats(76', 199'), Hole in pipe in lat(157')		2.3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW0994	NN29-13-2-4	NN29-13-2-3	98.0	12.0	VCP	Lt MD in lat(87'), Lt MD @ joints(83', 92')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0995	NN29-13-2-4A	NN29-13-2-4	111.0	12.0	VCP	Lt MD in lats(70', 97', 100'). Pro lat(106'), Survey Abandoned(111')-- Hvy MD in mainline		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0996	NN29-13-2-5	NN29-13-2-4	96.0	12.0	CIPP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0997	NN29-13-2-6	NN29-13-2-5	172.0	12.0	VCP	Line Ok		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0998	NN29-13-12	NN29-13-11	64.0	12.0	VCP	Pro lats(10', 25'), Long. Crack(54')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW0999	NN29-13-11	NN29-13-10	90.0	12.0	CIPP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1000	NN29-13-10	NN29-13-9	95.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1001	NN29-13-9	NN29-13-8	297.0	15.0	VCP	Line Ok		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1002	NN29-13-8	NN29-13-7	197.0	15.0	VCP	Pro lat(101')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1003	NN29-13-7	NN29-13-6	95.0	18.0	VCP	Line Ok		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1004	NN29-13-5A	NN29-13-5	133.0	12.0	CIPP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1005	NN29-13-6	NN29-13-5	95.0	18.0	VCP	Cable in sewer(35' to 87')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1006	NN29-13-5	NN29-13-4	99.0	18.0	VCP	Lt MD in lat(71')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1007	NN29-13-4	NN29-13-3	94.0	21.0	RCP	Video very dark, Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1008	NN29-13-3	NN29-13-2	120.0	21.0	RCP	Video very dark, Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1009	NN29-9-0A	NN29-9-0	179.0	21.0	VCP	Small OS in lats(16', 36'), Pro lats(84', 86')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1010	NN29-9-0	NN29-9	395.0	21.0	VCP	Pro lats(7', 29', 47'), Small OS in lats(39', 53', 103', 168', 202', 254', 355'), Lt MD in lats(237', 367'), Med OS w/ broken pipe in lats(104', 156')		2.1			\$ -										\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -	
SW1011	NN29-8-2	NN29-8-1	408.0	24.0	VCP	Lt MD in lat(47'), Small OS in lats(93', 95', 143', 193', 242', 245', 343', 345', 390'), Pro lats(149', 292'), Large OS in lats(295', 297', 392'), Mult. Cracks(204', 246')		6.9			\$ -										\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -	
SW1012	NN29-8-1	NN29-8	409.0	24.0	VCP	Large OS in lats(33', 146'), Pro lats(34', 85', 149', 196'), Small OS in lat(95'), Broken pipe in lat(198'), Lt MD in lats(248', 296', 347'), Long. Crack(337', 390')		2.3			\$ -										\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -	
SW1013	NN16-10-2-15	NN29-9-1-5	381.0	12.0	VCP	Small OS joint in lat(29'), Lt Roots in lats(154', 220'), Roots @ joints and Mult. Cracks for first half of run		6			\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -		
SW1014	NN29-9-1-5	NN29-9-1-4	402.0	15.0	VCP	Pro lats(87', 371'), Hvy Roots in lats(145', 169', 212', 247'), Small OS in lats(287', 327', 331'), Long. Crack(7')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	4	\$ 24,000.00	\$ -		
SW1015	NN29-9-1-4	NN29-9-1-3	374.0	18.0	VCP	Pro lats(45', 241', 337'), Small OS in lats(65', 101', 105', 215', 220', 370'), Lt Roots in lats(133', 153'), Hvy Roots in lats(296', 333'), Large OS in lat(300')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -		
SW1016	NN29-9-1-3	NN29-9-1-2	373.0	18.0	VCP	Large OS in lats(7', 205', 285'), Small OS in lats(37', 41', 87', 122', 305', 319', 359', 369'), Pro lats(56', 164', 280'), Lt Roots in lat(83'), Hvy Roots in lat(161')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	4	\$ 24,000.00	\$ -		
SW1017	*NN29-9-1-1A	NN29-9-1-1	179.0	21.0	VCP	Small OS in lats(34', 70', 107'), Lt Roots in lat(66'), Pro lat(151')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1018	NN29-9-1-1	NN29-9-1	20.0	21.0	RCP	Line Ok		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1019	NN29-9-1	NN29-9	150.0	54.0	HDPE			2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1020	*NN16-10-14A	NN16-10-14	152.0	27.0	RCP	Lt MD in lats(29', 68')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1023	NN16-10-14	NN16-10-13	286.0	27.0	RCP	Lt MD in lat(219'), Lt MD @ joints T/O		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1024	NN16-10-13	NN29-9-3A	170.0	15.0	VCP	Lt MD in lats(165', 204'), Pro lat w/ Lt Roots(284')		2.1			\$ -	1								1	\$ 4,100.00	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ 4,100.00	
SW1025	NN16-10-12	NN16-10-11	176.0	27.0	RCP	Line Ok		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1026	NN1-7-12-3	NN1-7-12-2	302.0	15.0	VCP	Line in fair/poor condition, Med Roots in lat(15', 19'), Lt Roots in lats(66', 69', 218'), Lt MD in lats(171', 221'), Hvy Roots in lats(263', 267'), Long. Fracture(11', 24', 126', 139'-173', 200'), Mult Fracture(40'-87', 254'-275', 294', 297'), Broken pipe(259')		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1027	E6-19	E6-18	268.0	18.0	RCP	Line in good condition, No defects observed		2.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW1028	NN1-7-20-1A	NN1-7-20-1	211.0	10.0	CIPP	Line in fair condition, Med Roots in lats(43', 104')		1.5				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	
SW1029	NN1-7-20-2	NN1-7-20-1	73.0	10.0	RCP	Line in good condition		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -
SW1030	NN1-7-20-3	NN1-7-20-2	300.0	10.0	RCP	Line in good condition		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -
SW1031	NN1-7-26	NN1-7-25	307.0	10.0	VCP	Line in fair condition, Broken pipe in lat with void visible(44'), Med OS in lats(118', 169', 197'), Hvy Roots in lat(243'), Long. Crack(33', 180'). Long. Fracture(236')		1.5				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	
SW1032	NN1-7-17-2	NN1-7-17-1	286.0	12.0	PVC	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -
SW1033	NN1-7-17-2-1B	NN1-7-17-2-1	82.0	12.0	VCP	Line in fair condition, Fractures in lat(9'), Long. Crack(11', 17'), Lt MD at joints T/O		1.5				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	
SW1034	NN1-7-17-1-1	NN1-7-17-1	215.0	12.0	VCP	Line in fair condition, Hvy Roots in lat(100'), Lt Roots in lat(102'-105'), Mult. Fracture(123'-146'), Lt Roots at select joints T/O		1.5				\$ -						1		\$ 3,500.00		\$ -		\$ -	\$ -	\$ 3,500.00	
SW1035	NN1-7-25	NN1-7-24	139.0	12.0	RCP	Line in fair condition, Small OS in lat(61'), Lt MD at joint(67'), Circ. Fracture(88')		3				\$ -	1							\$ 3,000.00		\$ -		\$ -	\$ -	\$ 3,000.00	
SW1036	NN1-7-24	NN1-7-23	86.0	12.0	CIPP	Line in good condition, No defects observed		2				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	
SW1037	NN1-7-18-2	NN1-7-18-1	376.0	12.0	VCP	Line in fair condition, Pro lat(95'), Large OS in lat(136'), Small OS in lat(182'), Long. Crack(103', 138', 232'), Lt MD at joints T/O		3				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	
SW1038	NN16-10-6-1	NN16-10-6	475.0	15.0	CIPP	Line in fair condition, Large OS in lats(62', 96', 100', 211', 215', 255', 294', 409'), Broken pipe in lats(134', 175', 329', 443'), Med OS in lats(252', 368', 405', 447'). Small OS in lat(290')		1.6				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	
SW1039	NN16-10-4-1	NN16-10-4	473.0	15.0	CIPP	Line in fair/poor condition, Large OS in lats(57', 134', 214', 249', 365', 369', 406', 409', 446'), Med OS in lats(62', 98', 139'), Hvy Roots in lat(94'), Pro lat(155'), Lt Roots in lat(177'), Small OS in lats(210', 253', 291', 330', 442'), Broken pipe in lat(326'), Lt Roots at joints(14', 26', 28', 32'-217', 240', 2300'-240')		1.6				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -
SW1040	NN16-10-11	NN16-10	164.0	27.0	RCP	Lt Roots in lats(26', 86')		1.8				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	
SW1041	NN16-10	NN16-10-2	151.0	27.0	CIPP	Line in fair condition, Lt MD in lat(108'), Lt H2S damage T/O, Lt MD at joints T/O		1.8				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	
SW1043	NN16-10-2-14	*NN29-9-2-5A	122.0	12.0	VCP	Med MD in lat(63'), Small OS in lat(86'), Lt MD in lats(98', 183'), Hvy Md in lat(162'), MD removed from mainline @ lateral(98') but no video of lateral		2				\$ -	1							\$ 3,100.00	1	\$ 6,000.00		\$ -	\$ -	\$ 9,100.00	
SW1044	NN16-10-2-13	*NN29-9-3-5A	54.0	12.0	VCP	Line Ok		2				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1045	NN16-10-2-12	NN16-10-2-11	133.0	18.0	CIPP	Gushing Inf. @ failing liner(117')		1.6				\$ -	1								\$ 4,000.00		\$ -	\$ -	\$ -	\$ -	\$ 4,000.00	
SW1046	NN16-10-2-11	NN16-10-2-10	143.0	18.0	CIPP	Line Ok		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1047	NN16-10-2-10	NN16-10-2-9	142.0	21.0	CIPP	Line Ok		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1048	NN16-10-2-9	NN16-10-2-8	225.0	21.0	VCP	Small OS in lats(82', 100', 122')		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1049	NN16-1-3-6	NN16-1-3-7	117.0	10.0	VCP	Line in fair condition, Lt MD in lats(66', 88'), Circ. Fracture(1'), Long. Crack(73')		4.5				\$ -	1								\$ 2,500.00		\$ -	\$ -	\$ -	\$ -	\$ 2,500.00	
SW1050	NN16-1-3-8	NN16-1-3-7	127.0	10.0	VCP	Line in fair condition, Lt Roots in lats(13', 31'), Mult. Fractures(9'-67'), Broken mainline(58')		1.5	127		5	\$ 8,215.00									\$ -		1	\$ 8,500.00		\$ -	\$ 16,715.00	
SW1051	NN16-1-3-9	NN16-1-3-8	188.0	10.0	VCP	Line in fair condition, Lt Roots in lats(29', 34', 112'), Hvy Roots in lats(57', 65'), Cracked pipe in lat(148'), Lt MD in lat(164'), Mult. Fracture(18'-71', 80', 83'), Lt Roots at select joints T/O, Broken mainline(184')		1.5	188		7	\$ 11,960.00									\$ -		1	\$ 8,500.00		\$ -	\$ 20,460.00	
SW1052	NN1-16-6	NN1-16-7	46.0	10.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1053	NN1-16-7	NN1-16-8	74.0	10.0	CIPP	Line in fair condition, Large OS in lat(18'), Lt Roots in lats(52', 67'), Point Repair(55'-57")		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1054	NN1-16-8	NN1-16-9	26.0	10.0	CIPP	Line in fair condition, Lt Roots in lat(21')		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1055	NN1-17-6	NN1-17-7	42.0	10.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1056	NN1-17-7	NN1-17-8	61.0	10.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1057	NN1-17-8	NN1-17-9	30.0	10.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1058	NN1-19-7	NN1-19-6	121.0	10.0	VCP	Line in fair condition, Med Roots in lats(5', 13', 22', 59', 71'), Hvy Roots in lat(31'), Tap Root(15'), Pro lat(114'), Mult Crack(112'-120')		1.5				\$ -	1							1	1	\$ 4,000.00		\$ -	\$ -	\$ -	\$ -	\$ 4,000.00
SW1059	NN1-19-8	NN1-19-7	117.0	10.0	CIPP	Line in fair condition, Lt Roots in lats(68', 92')		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1060	NN1-19-9	NN1-19-8	186.0	10.0	VCP	Line in fair condition, Lt Roots in lats(170', 173'), Circ. Crack(1'), Lt MD and Lt Roots at select joints T/O		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
SW1061	NN1-29	NN1-28	297.0	10.0	CIPP	Line in fair condition, Lt Roots in lat(15'), Med MD in lat(46'), Grease Deposits(18', 74'-96', 221'-227', 240'-297')		1.5				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -
SW1062	NN16-1-4-8	NN16-1-4-7	296.0	10.0		DSMH # incorrect report and tv for set-up 203, US and DS MH #'s incorrect on report and video for set-up 204, Line in fair condition, Hvy MD in lat(11'), Lt MD in lat(100'), Pro lat(140'), Survey Abandoned(140')-Pro lat, Reverse- Pro lat(38', Hvy Md in lat(78'), Lt Roots in lat(118'), Hole with soil		1.5				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -
SW1063	NN16-1-4-9	NN16-1-4-8	316.0	10.0	VCP	Line in fair condition, Med OS in lat(70'), Lt MD in lats(124', 169, 216', 277', 279'), Pro lat(313'), Circ. Fracture(32'), Lt MD at select joints T/O		1.5				\$ -	1							\$ 2,500.00		\$ -		\$ -		\$ 2,500.00
SW1064	NN16-1-4-7	NN16-1-4-6	365.0	10.0	VCP	Line in fair condition, Lt Roots in lat(116', 252'), Lt Roots at select joints T/O, Mult. Fracture(9'-14', 34', 46'-54', 62', 74'-83', 117'-128', 254'-262', 307, 338')		1.5				\$ -								\$ -		\$ -		\$ -		\$ -
SW1065	NN16-1-4-6	NN16-1-4-5	354.0	10.0	VCP	Line in fair condition, Hvy Roots in lats(105', 154'), Lt MD at joints(35', 342'), Grease Deposits(70'-158'), Mult. Fracture(241'-264')		4.5				\$ -				1		1	\$ 3,900.00		\$ -		\$ -		\$ -	\$ 3,900.00
SW1066	NN16-1-4-5	NN16-1-4-4	302.0	10.0	CIPP	Line in fair condition, Lt MD in lat(6'), Lt MD at select joints T/O, Long. Crack(246')		1.5				\$ -								\$ -		\$ -		\$ -		\$ -
SW1067	NN1-19-5	NN1-19-6	301.0	10.0	VCP	Line in fair condition, Pro lat(34'), Lt MD in lat(78'), Med OS in lats(124', 176', 183', 273'), Lt Roots in lat(223'), Lt Roots at joints(206'-271'), Mult. Fracture(220'-244')		1.5				\$ -					1		1	\$ 3,900.00		\$ -		\$ -		\$ -
SW1068	NN1-19-5	NN1-19-4	326.0	10.0	CIPP	Line in fair condition, Lt Roots in lat(28'), Lt MD in lat(170', 174', 285')		1.5				\$ -								\$ -		\$ -		\$ -		\$ -
SW1069	NN1-17-6	NN1-17-5	205.0	10.0	VCP	Line in fair condition, Circ. Fracture(4'), Mult Fractures(45'-76'), Lt MD at select joints T/O, Lt Roots at joints(53'-63')		1.5	205		7	\$ 12,725.00								\$ -		\$ -		\$ -		\$ -
SW1070	NN1-17-5	NN1-17-4	261.0	10.0	VCP	Line in fair condition, Lt Roots in lat(111'), Lt MD in lat(114'), Med OS in lats(166', 216')		1.5				\$ -								\$ -		\$ -		\$ -		\$ -
SW1071	NN1-16-6	NN1-16-5	191.0	10.0	CIPP	Line in fair condition, Lt MD in lats(22', 124'), Lt Roots in lat(72'), Broken pipe in lat(127')		1.5				\$ -								\$ -		\$ -		\$ -		\$ -
SW1072	NN1-16-5	NN1-16-4	260.0	10.0	VCP	Line in fair condition, Lt MD in lat(120'), Pro lat(255'), Lt MD at joints T/O, Med OS in mainline(257')		1.5				\$ -								\$ -		\$ -		\$ -		\$ -
SW1073	NN16-1-3-6	NN16-1-3-5	322.0	10.0	VCP	Line in fair condition, Circ. Fracture(2'), Lt MD at select joints T/O		4.5				\$ -	1							\$ 2,500.00		\$ -		\$ -		\$ -
SW1074	NN16-1-3-5	NN16-1-3-4	327.0	10.0	VCP	Line in fair condition, Long. Crack(35', 40', 87'), Long. Fracture(321'), Lt MD at select joints T/O		1.5				\$ -								\$ -		\$ -		\$ -		\$ -
SW1075	NN16-1-4-4	NN16-1-4-3	320.0	12.0	VCP	Line in fair condition, Med OS in lat(256'), Lt MD at joints T/O, Long. Crack(14'), Circ. Fracture(277'), Med OS in mainline(314')		3				\$ -	1							\$ 3,000.00		\$ -		\$ -		\$ -
SW1076	NN16-1-3-4	NN16-1-3-3	302.0	10.0	VCP	Line in fair condition, Lt MD in lat(165'), Lt MD at joints T/O		1.5				\$ -								\$ -		\$ -		\$ -		\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
SW1077	NN1-16-4	NN1-16-3	301.0	10.0	VCP	Line in fair condition, Lt Roots in lats(59', 107'), Pro lat(107', 156'), Collapsed and broken pipe(159', 204'), Long. Crack(10')		1.5			\$ -	1						1	\$ 3,250.00		\$ -	\$ -	\$ -	\$ -	\$ 3,250.00	
SW1078	NN1-17-4	NN1-17-3	300.0	10.0	VCP	Line in fair condition, Large OS in lats(7', 158'), Med OS in lat(53'), Lt MD in lat(102'), Long. Crack(175'), Lt MD at joints T/O		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1079	NN1-19-4	NN1-19-3	297.0	10.0	CIPP	Line in good condition, No defects observed		1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1080	NN1-27A	NN1-27	91.0	10.0	VCP	Line in good condition, No defects observed		1.5			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1081	NN1-28	NN1-27	307.0	10.0	VCP	Line in fair condition, Lt MD in lat(12'), Lt Roots in lat(48', 190'), Hvy Roots and pro lat(104'), Med Roots in lat(110'), Circ. Crack(261')		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1082	NN1-27	NN1-26	260.0	10.0	VCP	Line in fair condition, Pro lat(124'), Lt Roots in lat(254'), Long. Crack(203', 254')		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1083	NN1-26	NN1-25	350.0	10.0	VCP	Line in fair condition, Pro lats(5', 50', 57', 106', 316'), Med OS in lat(194'), Lt Roots in lats(207', 246'), Circ. Fracture(50')		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1084	NN1-24	NN1-23	352.0	12.0	VCP	Line in fair condition, Lt MD at joints(44', 176', 189', 191', 320', 326')		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1085	NN1-7-9-8	NN1-7-9-7	71.0	12.0	CIPP	Line in good condition, No defects observed		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1086	NN1-7-10-7	NN1-7-10-6	85.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(21', 79'), Hvy Roots in lat(63')		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1087	NN1-25	NN1-24	338.0	10.0	VCP	Line in fair condition, Lt MD at joints(17', 72', 185', 213', 249', 292', 311')		1.5			\$ -							\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW1088	NN1-7-9-7	NN1-7-9-6	350.0	12.0	CIPP	Line in fair condition, Hole with soil visible at lat(6'), Lt Roots at lats(125', 126', 326')		1.5			\$ -								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW1089	NN1-7-9-6	NN1-7-9-5	349.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(276', 279'), Undercut Services(78', 227')		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1090	NN1-7-9-5	NN1-7-9-4	352.0	12.0	CIPP	Line in fair condition, ndercut services(76', 292')		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1091	NN1-7-10-6	NN1-7-10-5	368.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(275', 278')		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1092	NN1-7-10-5	NN1-7-10-4	355.0	12.0	CIPP	Line in fair condition, Hole in liner with Lt MD(249')		1.5			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1093	NN1-7-10-4	NN1-7-10-3	352.0	12.0	CIPP	Line in fair condition, Lt MD in lat(87'), Lt Roots in lat(188'), Hvy Roots in lats(191', 337')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1094	NN1-7-9-4	NN1-7-9-3	350.0	15.0	VCP	Line in fair condition, Lt Roots in lats(153', 159'), Lt MD in lat(257'), Hvy Roots in lats(302', 310'), Mult. Fracture(4'-133', 169', 200'-235', 336'-350'), Lt MD and Lt Roots at select joints T/O		1.6	350		13	\$ 29,250.00										\$ -		\$ -		\$ -	\$ 29,250.00	
SW1095	NN1-7-11-8	NN1-7-11-7	334.0	12.0	CIPP	Line in fair condition, Hvy Roots in lats(3', 57', 306'), Lt Roots in lats(8', 103', 152', 252')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1096	NN1-7-11-7	NN1-7-11-6	359.0	12.0	CIPP	Line in fair condition, Hvy MD in lat(65'), Hvy Roots in lat(349')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1097	NN1-7-11-6	NN1-7-11-5	351.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(80', 98')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1098	NN1-7-11-5	NN1-7-11-4	353.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(307', 310')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1099	NN1-7-12-7	NN1-7-12-6	300.0	12.0	CIPP	Line in fair condition, Lt Roots in lat(10'), Hvy Roots in lat(18')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1100	NN1-7-12-6	NN1-7-12-5	303.0	12.0	CIPP	Line in fair condition, Lt Roots in lats(59', 107', 110')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1101	NN1-7-12-5	NN1-7-12-4	300.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1102	NN1-7-12-4	NN1-7-12-3	304.0	12.0	CIPP	Line in fair condition, Lt Roots in lat(170'), Lt MD at select joints T/O, Long. Fracture(18', 61'-71', 176', 188', 195', 197', 216', 293'-304')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1103	NN1-7-12-8	NN1-7-12-7	37.0	10.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1104	NN1-7-11-4	NN1-7-11-3	350.0	15.0	VCP	Line in fair condition, Med Roots in lat(209'), Lt Roots in lat(212'), Long. Fracture(4', 14'-259', 278'), Mult. Fracture(28', 37')		1.6	350		13	\$ 29,250.00									\$ -		\$ -		\$ -	\$ -	\$ 29,250.00	
SW1105	NN1-7-17-5-7	NN1-7-17-5-6	263.0	10.0	CIPP	Line in fair/poor condition, Pro lats(67', 213'), Lt H2S damage T/O, Circ. Fracture(8', 13', 15', 67', 247, 261'), Long. Fracture(33', 49'), Mult. Fracture(133'), Pipe broken with voids visible(67')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW11069	NN1-7-17-5-6	NN1-7-17-5-5	246.0	10.0	RCP	Line in fair condition, Lt H2S damage T/O, Lt MD at select joints T/O, Long. Fracture(36')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1107	NN1-7-17-5-5	NN1-7-17-5-4	384.0	10.0	RCP	Line in fair condition, Lt Roots in lat(124'), Lt MD in lat(306'), Lt H2S damage T/O		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1108	NN1-7-17-5-7B	NN1-7-17-5-7	150.0	10.0	VCP	Line in fair/poor condition, Circ. Fracture(1', 90'), Long. Fracture(87', 106', 127', 139')		1.5	150			\$ 6,750.00									\$ -		\$ -		\$ -	\$ -	\$ 6,750.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1109	NN1-7-17-5-4	NN1-7-17-5-3	70.0	10.0	RCP	Line in fair condition, Lt H2S damage T/O, Long. Crack(25')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1110	NN1-7-17-5-3	NN1-7-17-5-2	322.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	322		6	\$ 17,490.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,490.00	
SW1111	NN1-7-17-7	NN1-7-17-6	282.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	282		10	\$ 17,690.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,690.00	
SW1112	NN1-7-17-8	NN1-7-17-7	70.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	70			\$ 3,150.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,150.00	
SW1113	NN1-7-17-9	NN1-7-17-8	60.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	60		2	\$ 3,700.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,700.00	
SW1114	NN1-7-17-9-1	NN1-7-17-9	300.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	300		12	\$ 19,500.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,500.00	
SW1115	NN1-7-17-9-2	NN1-7-17-9-1	296.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	296		13	\$ 19,820.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,820.00	
SW1116	NN1-7-17-9-3	NN1-7-17-9-2	189.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	189		8	\$ 12,505.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,505.00	
SW1117	NN1-7-17-10	NN1-7-17-9	306.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	306			\$ 13,770.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,770.00	
SW1118	NN1-7-17-10-1	NN1-7-17-10	302.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	302		21	\$ 24,090.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,090.00	
SW1119	NN1-7-17-10-2	NN1-7-17-10-1	308.0	10.0	RCP	Line in good condition (Lined pipe)		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1120	NN1-7-17-10-3	NN1-7-17-10-2	197.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	197		8	\$ 12,865.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,865.00	
SW1121	NN1-7-20-9	NN1-7-20-8	311.0	10.0	VCP	Line in fair condition, Lt MD in lats(125', 172', 224', 227'), Lt MD at joints(20', 48', 51', 219', 253', 256', 259')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1122	NN1-7-20-10	NN1-7-20-9	324.0	10.0	VCP	Line in fair condition, Hvy Roots in lat(149'), Lt Roots in lats(152'), Mult Fracture(0'-27'), Circ. Crack(118'), Long. Fracture(161'-164'), Survey Abandoned(164')-Root ball, Reverse Set-Up, Line in fair condition, Lt MD in lat(25'), Hvy Roots in lat(126'), Med OS(4'), Broken pipe(4'), Mult.		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1123	NN1-7-20-11	NN1-7-20-10	29.0	10.0	PVC	Line in good condition, No defects observed		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1124	NN1-7-20-11	NN1-7-20-12	116.0	10.0	RCP	Line in fair conditin, Lt H2S damage T/O, Survey Abandoned(116')-Mineral Deposit		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1125	NN1-7-31	NN1-7-30	300.0	10.0	CIPP	Line in fair condition, Lt MD in lat(105'), Lt Roots in lat(203'), Small OS in lat(292')		1.5				\$ -								\$ -		\$ -		\$ -	\$ -			
SW1126	NN1-7-32	NN1-7-31	298.0	10.0	CIPP	Line in fair condition, Lt Roots in lat(149'), Hvy Roots in lat(294')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -		
SW1127	NN1-7-33	NN1-7-32	124.0	10.0	CIPP	Line in fair condition, Lt Roots in lats(70', 73')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -		
SW1128	NN1-7-17-5-7A	NN1-7-17-5-7	101.0	10.0	RCP	Line in fair condition, Lt H2S damage T/O, Lt MD at joints T/O		1.5				\$ -									\$ -		\$ -		\$ -	\$ -		
SW1129	NN16-10-2-6C	NN16-10-2-6B	239.0	12.0	VCP	Line in fair condition, Circ. Fracture(3', 64', 98', 122', 144', 212'), Long. Crack(11', 229'), Long. Fracture(14', 166'-209'), Mult Fracture(100', 237')		1.5	239		6	\$ 17,340.00									\$ -		\$ -		\$ -	\$ 17,340.00		
SW1130	NN16-10-4-5	NN16-10-4-6	299.0	12.0	CIPP	Line in fair condition, Hvy Roots in lat(27', 147', 227', 232'), Lt Roots in lat(33'), Pro lat with hole patched with brick(152'), Piece of pipe in lat(294')		3				\$ -	1						1	1	\$ 4,100.00		\$ -	1	\$ 8,500.00		\$ -	\$ 12,600.00
SW1131	NN16-10-6-6	NN16-10-6-5	304.0	12.0	CIPP	Line in fair condition, Med OS in lat(145'), Broken and disconnected lat(187'), Hvy Roots in lats(264', 268')		1.5				\$ -	1								\$ 3,000.00		\$ -		\$ -		\$ -	\$ 3,000.00
SW1132	NN16-10-2-6B	NN16-10-2-6A	284.0	15.0	CIPP	Line in fair condition, Lt Roots in lats(47', 106', 120'), Small OS in lats(67', 83', 88', 142'), Hvy MD in lats(239', 260')		1.6				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1133	NN16-10-4-5	NN16-10-4-4	401.0	15.0	CIPP	Line in fair condition, L Roots in lats(7', 51', 175', 210'), Large OS in lat(11'), Small OS in lat(131'), Cracked pipe in lat(213'), Hvy Roots in lats(287', 291'), Undercut services(7', 93', 127', 370')		1.6				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1134	NN16-10-6-5	NN16-10-6-4	397.0	15.0	CIPP	Line in fair condition, Broken pipe in lat(11'), Small OS in lats(201', 245', 280'), buckled liner(71', 94', 230', 270', 303')		1.6				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1135	NN16-10-2-6A	NN16-10-2-6	160.0	18.0	VCP	Line in fair condition, Lt MD in lats(67', 143'), Small OS in lat(106', 126'), Circ. Crack(27'), Long. Fracture(110'-125')		1.6				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1136	NN16-10-2-8	NN16-10-2-7	127.0	27.0	VCP	Hvy MD in lat(52'), Small OS in lat(70'), Lt MD in lat(87')		2.3				\$ -									\$ -		\$ -		\$ -	1	\$ 6,000.00	\$ -
SW1137	NN16-10-2-10A	NN16-10-2-10	193.0	12.0	VCP	Pro lats(92', 110'), Long. Cracks(86', 190')		1.5				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1138	*NN29-9-2-5A	NN29-9-2-5	258.0	12.0	VCP	Pro lats(126', 144', 176', 184'), Long. Crack(113', 163'), Hole in mainline pipe(141')		6				\$ -	1								\$ 3,100.00		\$ -		\$ -		\$ -	\$ 3,100.00
SW1139	*NN29-9-2-4A	NN29-9-2-4	262.0	15.0	VCP	Mult. Crack(3'), Small OS in lat(57')		2.1				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1140	*NN29-9-3-5A	NN29-9-3-5	331.0	12.0	VCP	Hose in mainline originating from lateral(59' to 76'), Long. Crack(121', 322')		2				\$ -									\$ -		\$ -		\$ -		\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1141	*NN29-9-3-4A	NN29-9-3-4	251.0	15.0	VCP	Small OS in lats(62', 76', 181', 223'), Lt MD in lat(104'), Pro lat(185')		2.1			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1142	NN29-9-2-3A	NN29-9-2-3	236.0	18.0	VCP	Large OS in lats(75', 114', 118', 231'), Hvy Roots in lat(154'), Lt Roots in lat(156'), Smal OS in lats(189', 193'), Piece of broken pipe in mainline(13')-origins unknown, Missed lateral in video(156')		2.1			\$ -										\$ -		\$ -	\$ -	5	\$ 30,000.00	\$ -	
SW1143	*NN29-9-2-2A	NN29-9-2-2	224.0	21.0	VCP	Small OS in lats(38', 77', 121', 160'), Line OK		2.1			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1144	NN29-9-2-2	NN29-9-2-1	361.0	21.0	VCP	Pro lats(131', 252', 331'), Small OS in lat(172', 209', 280', 328'), Hvy Roots in lat(250'), Large OS in lats(293'), Appears to be stick wedged in joint(102'), No video from 113' to 146', DVD 81 corrects problem		2.1			\$ -									\$ -		\$ -	\$ -	2	\$ 12,000.00	\$ -		
SW1145	NN29-9-2-1	NN29-9-2	15.0	21.0	VCP	Line Ok		2.1			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1146	NN29-9-2	NN16-10-14	467.0	15.0	VCP	Small OS in lats(76', 155', 194', 198', 226', 236', 279', 314', 352', 355', 394'), Pro lats(104', 274'), Large OS in lat(432')		2.1			\$ -									\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -		
SW1147	NN29-9-3-4	NN29-9-3-3	376.0	18.0	VCP	Lt MD in lat(95'), Pro lats(99', 254'), Small OS in lats(140', 176', 180'), Large OS in lats(218', 286', 290')		2.1			\$ -								\$ -		\$ -	\$ -	3	\$ 18,000.00	\$ -			
SW1148	*NN29-9-3-2A	NN29-9-3-2	168.0	21.0	VCP	Small OS in lat(42', 46', 82', 159', 164'), Med MD in lat(86'), Video skips lateral @ 118'		2.1			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1149	NN29-9-3-2	NN29-9-3-1	341.0	21.0	VCP	Small OS in lats(72', 112', 115', 149', 309', 313'), Pro lat(153'), Large OS in lat(194')		2.1			\$ -								\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -			
SW1151	NN29-9-4-1	NN29-9-4	18.0	21.0	RCP	Line Ok		1.6			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1152	NN29-9-4-4	NN29-9-4-3	385.0	18.0	VCP	Lt MD in lats(70', 109', 149'), Small OS in lats(189', 229', 308', 348'), Large OS in lat(268'), Long. Crack(162'), Mult. Cracks(333')		4			\$ -								\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -			
SW1153	NN29-9-4-3	NN29-9-4-2	413.0	18.0	VCP	Small OS in lats(9', 42', 83', 278'), Lt MD in lats(356', 398'), Long. Crack(303' to 316')		1.6			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1154	NN29-9-4-2	NN29-9-4-1	332.0	18.0	VCP	Small OS in lats(23', 65', 182', 263', 302'), Lt MD in lat(223'), Mult. Cracks(16', 45', 89')		1.6			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1155	NN29-9-4	NN16-10-12	460.0	15.0	VCP	Small OS in lats(36', 117', 196', 313', 391', 431'), Hvy Roots in lat(156'), Small OS w/ MD in lat(235', 274'), Small OS w/ Roots in lat(353'), Long. Crack(101', 243', 285', 307')		3.2			\$ -								\$ -		\$ -	\$ -	4	\$ 24,000.00	\$ -			
SW1156	NN29-9-5	NN16-10-11	283.0	15.0	HDPE			1.6			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1157	NN29-9-6	NN29-9-5	18.0	24.0	RCP	Line Ok		1.8			\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERSALS		SUBTOTAL	LENGTH (FT)			LATERSALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW1158	NN29-9-11A	NN29-9-10	186.0	15.0	VCP	Lt MD in lat(247'), Line OK		1.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1159	NN29-9-10	NN29-9-9	399.0	18.0	VCP	Line Ok		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1160	NN1-7-20-7	NN1-7-20-5	418.0	10.0	VCP	Line in fair condition, Small OS in lats(31', 391'), Med MD in lats(80'), Med OS in lat(132'), Lt Roots in lats(182', 335'), Lt Roots and Lt MD at select joints T/O, Long. Crack(91', 144'), Med OS in mainline(144')		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1161	NN1-7-20-8	NN1-7-20-7	66.0	10.0	CIPP	Line in fair condition, Lt MD at select joints T/O, Long. Crack(11')		2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1162	NN1-7-30	NN1-7-29	351.0	10.0	VCP	Line in fair condition, Small OS in lat(174'), Lt MD at joints T/O, Lt Roots at joints(130'-166'), Mult. Fracture(133'-145'), Long. Crack(260', 326')		4.5				\$ -			1					\$ 3,100.00		\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	
SW1163	NN16-10-6-4	NN16-10-6-3	362.0	18.0	CIPP	Line in fair condition, Lt Roots in lats(60', 64', 110', 151', 225', 232', 308', 312'), Large OS in lats(106', 188'), Small OS in lat(272'), Med OS in lat(346') Lining failure-patch coming off(52')		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1164	NN16-10-4-4	NN16-10-4-3	392.0	18.0	CIPP	Line in fair condition, Large OS in lat(193'), Med OS in lats(233', 355'), Hvy Roots in lats(268', 312', 316'), Lt roots in lat(274'), All laterals were poorly reinstated		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1165	NN29-9-9	NN29-9-8	380.0	21.0	VCP	Line Ok		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1166	NN1-7-17-5-2	NN1-7-17-5-1	325.0	10.0	RCP	Line in fair condition, SAV-C (Throughout), Unmarked MH found, new header not started.		4.5	325		7	\$ 18,125.00									\$ -		\$ -	\$ -	\$ -	\$ -	18,125.00
SW1168	NN1-7-17-6	NN1-7-17-5	289.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	289	1	12	\$ 19,505.00									\$ -		\$ -	\$ -	\$ -	\$ -	19,505.00
SW1169	NN1-7-20-5	NN1-7-20-4	301.0	10.0	VCP	Line in fair condition, Lt MD in lat(170'), Lt MD at joints T/O		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1170	NN1-7-29	NN1-7-28	300.0	10.0	CIPP	Line in fair condition, Lt Roots in lat(180'), Lining Failure-Wrinkle(196', 210')		1.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW1171	NN16-10-4-3	NN16-10-4-2	119, 295	21.0	VCP	Line in fair/poor condition, Lt Roots in lat(12'), Large OS in lats(40', 80'), Small OS in lat(84'), Hvy Roots in lat(119'), Long. Fracture(8'-29'), Mult Fracture(20'-29', 63'), Med of Hvy roots at joints(84'-119'), Survey abandoned(119')-roots, Reverse set-up->Line in fair/poor condition, Large OS in		1.6	450	2	23	\$ 55,250.00									\$ -		\$ -	\$ -	\$ -	\$ -	55,250.00
SW1172	NN16-10-6-3	NN16-10-6-2	374.0	21.0	CIPP	Line in fair condition, Small OS in lats(26', 30', 66', 104', 185'), Large OS in lat(148'), Med OS in lat(188'), Hvy Roots in lats(265', 305'), Lt Roots in lat(309')		1.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1173	NN1-7-27	NN1-7-26	284.0	10.0	CIPP	Line in fair condition, Med OS in lats(158', 162'), Undercut services(266', 271')		1.5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW1174	NN1-7-17-2-1	NN1-7-17-2	216.0	12.0	VCP	Line in fair condition, Lt MD in lats(28', 92'), Lt Roots and Lt MD at select joints T/O		1.5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1175	NN1-7-17-2-1A	NN1-7-17-2-1	80.0	12.0	VCP	Line in fair condition, Lt MD in lat(10'), Lt MD at select joints T/O		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1176	E6-22	E6-21	219.0	18.0	RCP	Line in fair condition, Lt Infiltration at joint(66')		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1177	NN1-7-17-4	NN1-7-17-2	162.0	12.0	VCP	Line in fair condition, Lt MD at joints T/O, Long. Crack(19')		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1178	NN16-10-4-1	NN16-10-4-2	275.0	21.0	VCP	Line in fair condition, Broken pipe in lats(32', 161'), Large OS in lats(72', 76', 116', 157', 203'), Small OS in lats(199', 240', 243')		1.6				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1179	NN16-10-6-2	NN16-10-6-1	373.0	21.0	VCP	Line in fair condition, Large OS in lats(10', 13', 170'), Small OS in lats(54', 90', 94', 132', 338', 342'), Med OS in lats(174', 217'), Lt Roots in lat(213'), Lt MD in lat(301'), Long. Crack(118', 258')		3.2				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1180	NN29-9-7	NN29-9-6	320.0	24.0	VCP	Poor Cleaning of first 30' of pipe, Lt MD in lats(94', 250'), Small OS in lat(214')		1.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1181	NN51-3	NN51-2	355.0	24.0	VCP	Pro lats(105', 154'), Large OS in lat(126'), Med MD in lat(254')		2.3				\$ -									\$ -		\$ -		\$ -	1	\$ 6,000.00	
SW1182	NN24-1	Blind Tap	94.0	21.0	VCP	Video format different from other videos, hard to read footage counter, Line OK		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1183	NN29-11-1A	NN29-11	233.0	24.0	VCP	Small OS in lats(24', 59', 104', 106', 142'), Large OS in lat(26'), Pro lat w/ Lt Roots(39'), Pro lat(61'), Lt MD in lats(144', 186'), Mult. Cracks(321')		6.9				\$ -	1								\$ 5,100.00		\$ -		\$ -	1	\$ 6,000.00	\$ 5,100.00
SW1184	NN16-10-13	NN16-10-12	308.0	27.0	RCP			1.8				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1185	NN1-7-11-3	NN1-7-11-2	352.0	15.0	VCP	Line in fair condition, Med OS in lats(22', 71', 164', 218', 267', 304'), Large OS in lat(114), Med MD in lat(118'), Long. Crack(85')		1.6				\$ -								\$ -		\$ -		\$ -		\$ -		
SW1186	NN1-7-15-4B	NN1-7-15-4	128.0	10.0	VCP	Line in fair condition, CM (70)		1.5				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1187	NN1-7-15-4	NN1-7-15-3	117.0	10.0	VCP	Line in good condition		1.5				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1188	E6-20	E6-19	275.0	18.0	RCP	Line in fair condition, Lt MD at joints(41', 162')		2.1				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1189	E6-21	E6-20	212.0	18.0	RCP	Line in good condition, No defects observed		2.1				\$ -									\$ -		\$ -		\$ -		\$ -	
SW1190	NN1-7-17-5-1A	NN1-7-17-5-1	181.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	181	5	\$ 10,645.00									\$ -		\$ -		\$ -		\$ -	\$ 10,645.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW1191	NN1-7-20-4	NN1-7-20-3	300.0	10.0	VCP	Line in fair condition, Lt Roots in lat(171'), Small OS in lat(269'), Mult. Crack(145'), Long. Crack(284'), Lt MD at select joints T/O		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1192	NN1-7-28	NN1-7-27	298.0	10.0	VCP	Line in fair condition, Hvy Roots in lats(89', 190', 192', 241', 245'), Lt Roots in lat(92'), Circ. Crack(2', 58'), Lt MD and Lt Roots at select joints T/O		1.5			\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1193	NN1-7-15-4A	NN1-7-15-4	192.0	10.0	VCP	Line in fair condition, CM (18)		1.5			\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1194	NN1-7-17-5	NN1-7-17-4	226.0	12.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	226		8	\$ 17,560.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,560.00
SW1195	NN1-7-17-4	E6-22	20.0	12.0	RCP	Line in fair condition, Drop Connection(18')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1196	NN29-9-8A	NN29-9-7	253.0	21.0	VCP	Small OS in lats(20', 24', 99', 103', 143', 179', 183', 219'), Lt MD in lats(61', 65')		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1197	NN16-10-2-15	NN16-10-2-14	267.0	12.0	VCP	Pro lats(81', 89', 160', 172', 236', 276', 309'), Small OS in lat(230'), Hvy Roots in lat(312')		1.5	267		6	\$ 19,020.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,020.00	
SW1198	NN29-9-10A	NN29-9-10	201.0	8.0	RCP	Line Ok		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1199	NS59-29	NS59-28	150.0	24.0	VCP	Long. Cracks T/O		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1200	*NS59-30	NS59-29	28.0	24.0	VCP	Long. Crack(7')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1201	NS59-27	NS59-26	204.0	30.0	VCP	Long. Crack(74' to 127'), Mult. Cracks(127')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1202	NS59-26	NS59-25	276.0	30.0	RCP	Line OK		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1203	NS59-25	NS59-24	231.0	30.0	RCP	Lt Roots in lat(17'), Lt H2S damage T/O		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1204	NS59-25-1	NS59-25	450.0	21.0	HDPE			2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1205	NS59-24	NS59-23	180.0	36.0	RCP	Med MD in lats(54', 89', 129', 169'), Lt H2S damage T/O		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1206	NS59-23	NS59-22	150.0	36.0	RCP	Med MD in lats(6', 26', 46', 61', 86', 106', 125'), Lt H2S damage T/O		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW1207	NS59-22-2	NS59-22-2A	239.0	12.0	TRUSS	Line OK, Pipe type listed wrong in report		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1208	NS59-22-1	NS59-22-1A	277.0	18.0	RCP	Mainline chipped(153')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1209	NS59-21	NS59-21S	33.0	12.0	CIPP	Rocks(7', 9'), Rebar visible(28')	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1210	NS59-21	NS59-20	210.0	42.0	RCP	Lt MD at select joints T/O, Hard material/debris in line and jetter unable to remove		3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1211	NS59-21	NS59-21A	135.0	12.0	CIPP	Deformed(63', 126'), Wrinkle in liner(106', 110')	None	7				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1212	*NS59-17B	*NS59-17A	147.0	18.0	VCP	Pro lat w/ Lt Roots(39'), Small OS in lats(44', 46', 96', 99'), Pro lats(136', 138')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1213	NS59-17-1	*NS59-17B	184.0	18.0	VCP	Pro lats(15', 63', 112'), Small OS in lats(23'), Large OS in lat(25'), Lt Roots in lat(121'), Med Roots at joint(120')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW1214	NS59-17-2	*NS59-17-1A	112.0	15.0	VCP	Small OS in lat(103', 105'), Mult. Cracks(46' to 66')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1215	NS59-17-3	*NS59-17-2A	333.0	12.0	CIPP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1216	NS59-16-2-5	NS59-16-2-4	43.0	12.0	VCP	Mult. Fractures T/O		4.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1217	NS59-16-2-4	*NS59-16-2-3A	53.0	12.0	HDPE			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1219	NS59-16-3-3	NS59-16-3-3A	181.0	18.0	VCP	Pro lats(35', 88', 101', 117'), Small OS in lats(122', 142', 161')		2.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1221	NS59-9-2-6AS	NS59-9-2-6	110.0	12.0	VCP	Long. And Mult Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1222	NS59-9-2-7A	NS59-9-1-7	286.0	12.0	VCP	Pro lat(253'), Lt MD @ joints(123', 210')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1223	NS59-20	NS59-19	50.0	42.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1224	NS59-19	*NS59-18	139.0	42.0	RCP	Med MD in lat(31'), LT MD in lats(71', 92'), Lt to Med MD at select joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1225	NS59-18	*NS59-17A	150.0	42.0	RCP	Med MD in lat(51')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1226	*NS59-17A	NS59-17	254.0	42.0	RCP	Lt MD in lats(18', 79', 141'), Med MD in lats(74', 93', 109', 153', 174', 214', 227'), Hvy MD in lats(122', 198')		2			\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1227	NS59-16-1	NS59-16	18.0	42.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1228	NS59-16	NS59-15	344.0	48.0	RCP	Line OK		3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1229	NS59-13	NS59-11	449.0	48.0	RCP	Pro lat(139'), Lt MD in lat(257'), Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1231	*NS59-9-1D	*NS59-9-1E	287.0	42.0	RCP	Lt Inf. At joint(73'), Unknown material in bottom of pipe(125' to 149')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1232	NS59-16A	NS59-16	201.0	42.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1233	NS59-14-8	NS59-14-7	18.0	15.0	RCP	Pro lat(5'), Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1234	NS59-16-2	NS59-16-1	284.0	30.0	RCP	Lt MD in lats(103', 107', 145'), Pro lat(166')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1235	NS59-16-3	*NS59-16-2A	128.0	27.0	RCP	Lt MD in lats(72', 93', 112')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1236	*NS59-9-5B	NS59-9-6	78.0	27.0	RCP	Line OK		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1237	*NS59-9-5A	NS59-9-5	30.0	27.0	RCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1238	*NS59-9-6A	NS59-9-6	94.0	12.0	VCP	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1239	NS59-9-5	NS59-9-4	382.0	36.0	RCP	Lt Roots in lat(229'), Pro lat(271')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1240	NS59-9-4	NS59-9-3	327.0	36.0	RCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1241	NS59-9-3-4A	NS59-9-3-4	180.0	12.0	RCP	Lt MD at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1242	NS59-8-6	NS59-8-5	304.0	12.0	VCP	Line in fair condition, MWL (40', 78', 155', 208', 226', 253')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1243	NS59-8-4	NS59-8-3	155.0	18.0	VCP	Line in fair condition, MWL (4'), CL(23',68', 104'), CM(29',108')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1244	NS59-6-10	NS59-6-9	160.0	30.0	RCP	Line in good conditon		2.3				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1245	NS59-8-2	NS59-8-1	453.0	21.0	VCP	Line in Fair Condition, CM (124.3 - 159.7), CL (203.7		5.25				\$ -					2			2	\$ 10,800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,800.00	
SW1246	NS59-6-9	NS59-6-8	172.0	30.0	RCP	Line in good conditon		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1247	NS59-9-3	NS59-9-2	351.0	42.0	RCP	Hvy Roots in lat(103'), Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW1248	NS59-9-2	NS59-9-1	286.0	42.0	RCP	Med MD in lats(92', 135')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1249	NS59-9-1-4	NS59-9-1-4A	137.0	12.0	VCP	Mult cracks and hinge fractures T/O	FCIPP	7	137			\$ 8,220.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,220.00	
SW1250	NS59-9-1	*NS59-9A	225.0	48.0	RCP	Lt Roots in lat(98'), Med MD in lat(217')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1251	NS59-11	NS59-10	463.0	48.0	RCP	Debris left in line(270')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1252	*NS59-9-1A	*NS59-9-1B	393.0	42.0	RCP	Unknown debris, perhaps concrete, stuck in mainline(284')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1253	NS59-9-0	NS59-9	46.0	30.0	VCP	Long. Crack(7'), Large OS joint in mainline(28')		4.6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW1255	NS59-8A	NS59-8	243.0	60.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1256	NS59-8-1	NS59-8	51.0	21.0	CP	Line in good condition		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1257	NS59-6-8	NS59-6-7	153.0	30.0	RCP	Line in good conditon		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1263	NS59-12-1	NS59-12	287.0	30.0	RCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1267	NS59-7A	NS59-6	745.0	60.0	RCP	Line OK		3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1268	NS59-7A-1	NS59-7A-2	59.0	12.0	RCP	Mult Crack(28'), Lt MD at joint(27')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW1269	*NS59-14-12A	NS59-14-12	124.0	12.0	VCP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1270	NS59-7-2	NS59-7-2B	175.0	21.0	VCP	Lt Roots in lat(118'), Sewer Snake left in mainline(154'), Lt Roots at joints(163', 170')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1272	*NS59-14-16A	NS59-14-16	120.0	12.0	RCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1275	NS63-5-1	NS63-5	153.0	21.0	VCP	Mult Cracks(15' to 25')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1277	*NS63-3-3A	NS63-3-3	45.0	12.0	VCP	Survey Abandoned(45') -- Hvy Debris in line, no attempt to remove and no reverse set-up, No reverse set-up b/c line is bulkheaded		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1278	*NS63-4-2A	NS63-4-1	299.0	12.0	RCP	Pro lats(29', 146'), Large OS in lat(179'), Lt H2S damage T/O		6				\$ -									\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	\$ -	
SW1294	NN51-1	BULKHEAD	22.1	12.0	VCP	MULTIPLE CRACKS @ 15', 19'	NONE	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1297	NS59-6-4	NS59-6-3	57.0	36.0	RCP	Line in good condition , DAE Joint (0-57)		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1298	NS59-6-5	NS59-6-4	144.0	36.0	RCP	Line in good conditon		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1299	NS59-6-2	NS59-6-1	24.0	36.0	RCP	Line in good condition , DAE Joint (0-24)		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1300	NS59-6-7	NS59-6-6	169.0	36.0	RCP	Line in good condition, DAE Joint (7-153)		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1303	NS59-6-3	NS59-6-2	143.0	36.0	RCP	Line in good condition , DAE Joint (0-143)		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1305	NS59-6-1A	NS59-6-1	489.0	12.0	VCP	Line in good condition		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1313	NS61-1	Blind Tap	39.0	27.0	RCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW1318	NS61-1-10	NS61-1-9	253.0	12.0	VCP	Small OS in lat(75'), Pro lats(150', 162', 202', 248'), Lt Roots in lat(222')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1320	NS59-6-1	NS59-6	180.0	42.0	RCP	Line in good conditon		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1321	NS61-1-2	NS59-1	19.0	12.0	VCP	Pro lats(127', 162', 187')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1322	NS59-1A	NS61-1-3	199.0	12.0	VCP	Pro lats(30', 85', 90', 172')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1323	NS59-2	NS61-1-4	103.0	15.0	VCP	Pro lats(70', 92'), Small OS joint in mainline(43')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1324	NS61-1-5	NS59-2	97.0	12.0	VCP	Pro lats(3', 9', 59'), Small OS in lats(7', 52')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1327	NS61-1-6	NS59-3	267.0	12.0	VCP	Pro lats(14', 15', 20', 40', 84', 157', 173'). Med MD in lat(109'). Mult. Cracks(157' to 185')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1329	NS59-3	NS61-1-5	132.0	12.0	VCP			2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1330	*NS61-1-6A	NS61-1-6	202.0	12.0	VCP	Pro lats(54', 179', 183')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1331	NS61-1-7	NS59-5	116.0	12.0	VCP	Lt MD in lat(47'), Pro lats(75', 137', 181'), Lt MD @ joint(156')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1332	NS61-1-8	NS59-5	85.0	12.0	VCP	Lt Roots in lat(42'), Lt MD and Debris in drop connection(79')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1333	NS61-1-9	NS61-1-8	303.0	12.0	VCP			2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1334	*E23-A-1	E23-1	189.0	27.0	RCP	Line OK		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1335	E23-B	E23-A	441.0	27.0	RCP	Line OK		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1336	E23-1-2B	E23-1-2	297.0	12.0	VCP	Line OK		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1337	E23-1-2A	E23-1-2B	91.0	12.0	VCP	Line OK		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1338	E23-1-2-2	E23-1-2-1	352.0	12.0	VCP	Lt MD in lats(27', 319'), Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1339	NN47-1	Blind Tap	25.0	21.0	VCP	Line OK		2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1341	NS46-2A	NS46-2	121.0	24.0	VCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1343	NS6-13-10	NS6-13-9	197.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1344	NS6-13-11	NS6-13-10	165.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1345	NS6-13-12	NS6-13-11	166.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1346	NS6-13-13	NS6-13-12	155.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1347	NS6-13-14	NS6-13-13	171.0	42.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1348	NS6-13-16	NS6-13-15	168.0	42.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1349	NS6-13-18	NS6-13-17	171.0	36.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1350	NS6-13-21	NS6-13-20	134.0	36.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1352	NS6-13-23	NS6-13-22	129.0	30.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1353	NS6-13-24	NS6-13-23	147.0	30.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1354	NS6-13-9	NS6-13-8	173.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1355	NS6-13-6-3A	NS6-13-6-3	168.0	30.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1356	*NS43-1A	NS43-1	124.0	24.0	VCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1359	NS31-2	NS31-2B	205.0	12.0	VCP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1360	NS6-13-6	NS6-13-5	628.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1361	NS6-13-5	NS6-13-4	389.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1363	*NS37-5A	NS37-5	217.0	18.0	VCP	Small OS in lats(20', 58'), Pro lats(94', 96', 178'), Large OS in lats(98', 133', 135', 180'), Mult. Crack(2'), Long. Crack(82')		5.25				\$ -								\$ -	\$ -	\$ -	\$ -	4	\$ 24,000.00	\$ -		
SW1364	NS6-13-8	NS6-13-6	164.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1365	NS6-13-6-1	NS6-13-6	363.0	42.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1366	NS6-13-6-1A	NS6-13-6-1	169.0	42.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1368	NS40-3	NS40-2	430.0	24.0	VCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1369	*NS43-5A	NS43-5	188.0	18.0	VCP	Long. Crack(8')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1370	NS6-13-4	NS6-13-3	414.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1371	NS28-2A	NS28-2	32.0	12.0	VCP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1372	NS28-2A	NS28-2B	167.0	12.0	VCP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1373	NS25-7	NS25-6	210.0	15.0	VCP	Line in fair condition, Med OS in lats(95', 134'), Long. Fracture(19'-24')		8.4				\$ -	1							\$ 3,600.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,600.00		
SW1374	NS25-2A	NS25-2B	177.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1375	NS23-1A-A	NS23	62.0	27.0	RCP	Line in fair condition, Lt MD at joint(41', 45')		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1376	NS25-2B	NS23-1	59.0	12.0	VCP	Line in fair condition, Circ. Fracture(56')		6				\$ -	1								\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1377	NS23-1A	NS23-1B	188.0	12.0	VCP	Line in fair condition, Lt MD at joint(156')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1378	NS23-1B	NS20-1	61.0	12.0	VCP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1379	NS6-13-3	NS6-13-2	423.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1380	NS6-17A	NS6-17	195.0	36.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1381	NS6-19	NS6-18	403.0	33.0	RCP	Line in good condition (3 active laterals appear to be storms)		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1382	NS6-20	NS6-19	292.0	33.0	RCP	Line in good condition (2 capped laterals appear to be blocked storms)		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1383	NS6-21	NS6-20	110.0	33.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1384	NS6-11-5A	NS6-11-5	113.0	10.0	RCP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1385	NS6-13-2	NS6-13-1	437.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1386	NS6-16	NS6-15	405.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1387	NS6-17	NS6-16	400.0	42.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1388	NS6-11-4A	NS6-11-4	114.0	10.0	RCP	Line in fair condition, Hole with gas line thru sewer(19')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1392	NS20-1	NS20-1A	143.0	12.0	VCP	Line in fair condition, Lt MD in lat(37'), Mult. Fractures(130')		6				\$ - 1									\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00	
SW1393	NS18-1A-1	NS18	41.0	27.0	RCP	Line in fair condition, No defects observed		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1394	B5-11-3	B5-11-2	412.0	10.0	VCP	Line in fair condition, Broken pipe in lat(77'), Med MD in lat(37'), Lt MD in lat(134', 268'), Hvy MD in lat(301'), Pro lats(86', 167', 253', 277'), Long. Crack(84', 376')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1395	NS6-13-1	NS6-13	484.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1396	NS6-14A	NS6-14	193.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1399	NS18-1A	NS18-1B	200.0	12.0	VCP	Line in fair condition, Lt Roots in lat(4'), Pro lat(30'), Med Separated Joint(27')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1400	NS18-1B	NS15-1	49.0	12.0	VCP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1401	NN9-1	NN9	143.0	36.0	RCP	Line in fair condition, Settled Deposits(0'-80', 120'-140')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1402	NN7-1-1	NN7-1	175.0	33.0	RCP	Line in fair condition, Settled Deposits(8'-13')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1403	NN9-2	NN9-1	144.0	33.0	RCP	Line in fair condition, Lt Roots in lat(10'), Lt Roots at joints(0'-59')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1404	NN9-3	NN9-2	288.0	33.0	RCP	Line in fair condition, Lt Roots in lats(140', 180', 216'), Hvy Roots in lat(265'), Lt Roots at select joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1405	NN12-1	NN12	144.0	42.0	RCP	Line in fair condition, Lt MD at joints T/O		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1406	NN12-2	NN12-1	179.0	36.0	RCP	Line in fair condition, Lt MD in lats(21', 39'), Lt MD at joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1407	NN12-3	NN12-2	292.0	36.0	RCP	Line in fair condition, Lt Roots in lats(64', 181', 262'), Pro lat(263'), Lt Roots at joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1408	NN1-1	N1	30.0	54.0		N1 does not exist		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1409	NN1-2	NN1-1	135.0	54.0		NN-1 does not exist		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1410	NN1-3	NN1-2	279.0	54.0	RCP	Line in fair condition, Pro lat(228'), Lt MD in lat(228'), Lt MD at select joints T/O, Lt H2S damage T/O, Alignment left(255', 264')		2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1411	NN1-4	NN1-3	290.0	54.0	RCP	Line in fair condition, Lt H2S damage T/O, Lt MD at joints T/O		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1412	NN4-1	NN4	13.0	42.0	RCP	Line in fair condition, Lt MD at joints(6', 10')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1413	NN4-2	NN4-1	153.0	42.0	RCP	Line in fair condition, Lt MD at joints(13'-153')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1414	E6-6	E6-5	230.0	36.0	RCP	Line in fair condition, Lt MD at joints T/O		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1415	E6-7	E6-6	350.0	36.0	RCP	Line in fair condition, Lt Infiltration at joints(242', 258', 241')		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1416	E6-8	E6-7	337.0	36.0	RCP	Line in fair condition, Lt Infiltration at joints(3', 11', 287')		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1417	NS3-1	NS3-0	128.0	48.0	RCP	Line in good condition, No defects observed		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1418	NS3-2	NS3-1	90.0	48.0	CP	Line in fair condition, Lt MD at joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1419	NS2-1	NS2-0	115.0	36.0	CP	Line in fair condition, Lt MD T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1422	NS6-1-5	NS6-1-4A	241.0	21.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1423	NS2-2	NS2-1	130.0	36.0	CP	Line in fair condition, Lt MD at joints T/O, Also areas of settled gravel in line		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1424	NN1-2B	NN1-2A	45.0	54.0		Line doesn't exist		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1425	NN1-2A	NN1-2	92.0	54.0		Line doesn't exist		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1427	NN7-1	NN7	144.0	42.0	RCP	Line in fair condition, Settled Gravel(8'-45'), Lt Roots at joint(74')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1428	NN7-2	NN7-1	145.0	42.0	RCP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1429	NN7-4	NN7-3	412.0	36.0	RCP	Line in fair condition, Lt Roots in lats(138', 208', 245', 250'), Lt Roots at select joints T/O, Survey abandoned(251')-Hvy Roots from lat, Reverse set-up, Line in fair condition, Lt Roots in lat(15'), Hvy Roots in lat(81', 131'), Lt Roots at select joints T/O, Survey abandoned(131')-Hvy Roots from lat		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1430	NN7-3	NN7-2	301.0	36.0	RCP	Line in fair condition, Lt Roots in lat(5'), Med Roots in lat(27'), Lt Roots at select joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1431	NN7-1-2	NN7-1-1	292.0	30.0	RCP	Line in fair condition, Lt Roots in lats(24', 221', 265'), Lt Roots at select joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1433	NS6-14	NS6-13	428.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1434	NS6-13	NS6-12	214.0	66.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1435	NS2-8	NS2-7A	162.0	30.0	CP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1451	NS2-14A	NS2-14	305.0	15.0	CIPP	Line in fair condition, Same MH # used on report for US and DS MH		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1452	B5-2	B5-1	232.0	18.0	VCP	Line in fair condition, Lt Roots in lat(17'), Med MD in lat(99')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1453	B5-3-7A	B5-3-7	372.0	10.0	PVC	Line in good condition, No defects observed		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1455	EH-32-14-2	EH-32-14-1	51.9	12.0	RCP	DAE @ 37'	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1456	NS2-11	NS2-10	140.0	24.0	CIPP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1457	NS2-10	NS2-9	130.0	24.0	CIPP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1458	NS2-9	NS2-8-0	168.0	24.0	CP	Line in fair condition, Lt MD at joints(104', 115')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1459	NS2-6A	NS2-6	162.0	33.0	CP	Called out 2 capped connection as not capped		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1461	NS2-15	NS2-17	205.0	21.0	VCP	Line in fair condition, Long, Cracks T/O, CB cover on MH NS2-17		4.8	205	4	\$ 21,475.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,475.00		
SW1462	NS3-8	NS3-7	316.0	30.0	CP	Line in fair condition, Pro lat(65'), Lt MD in lat(157')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1464	NS3-7	NS3-6	310.0	33.0	CP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1465	NS15-6	NS15-5A	175.0	12.0	VCP	Line in fair condition, Lt MD at select joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1466	NS2-7-2	NS2-7-2A	345.0	15.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1467	NS2-6	NS2-5	398.0	33.0	CP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1468	NS3-6	NS3-5	7.0	42.0	CP	No video or report for reverse set-up		2				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	\$ -	
SW1471	NS6-7-2	NS6-7-1	307.0	15.0	VCP	Line in fair condition, Med OS in lat(254'), hole in lat(173'), Long. Fracture(109', 135'-154', 251'), Mult. Fracture(112')		4.8	307		10	\$ 24,955.00								\$ -		\$ -		\$ -	\$ -	\$ 24,955.00		
SW1472	NS2-5	NS2-4	640.0	36.0	CP	Line in fair condition, Lt Roots at select joints T/O, Partial Bulkhead at NS2-5		1.8				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1474	NS3-5	NS3-4A	304.0	42.0	RCP	Line in fair condition, Lt MD at select joints T/O		2				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1479	NS3-4	NS3-3	432.0	48.0	RCP	Line in fair condition, Hvy Roots in lat(177'), Lt MD at joints T/O		2				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1480	NS2-3	NS2-2	650.0	36.0	CP	Line in fair condition, Lt Roots at select joints T/O		1.8				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1481	NS2-4	NS2-3	28.0	36.0	CP	Line in good condition, No defects observed		1.8				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1483	NS14-5	NS14-4	155.0	24.0	RCP	Line in good condition		2.3				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1485	NS3-3	NS3-2	420.0	48.0	RCP	Line in fair condition, Lt Roots in lat(15'), Lt MD at joints T/O		2				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1486	NN75-7	NN75-6	485.0	12.0	VCP			2				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1488	NN75-6	NN75-5	420.0	15.0	VCP	Pro lats(24', 108', 144'), Med MD in lat(97'), Hvy Roots in lats(355', 380'), Mult. Fractures and Broken Pipe(190' to 206'), Long. Cracks(235', 328', 403'), Lt Roots @ joints(320' to 355'), Footage counter obscured		8.4				\$ -						1			\$ 3,900.00		\$ -		\$ -	2	\$ 12,000.00	\$ 3,900.00
SW1489	NN75-5	NN75-5A	272.0	18.0	VCP	Pro lats(53', 173', 174', 216', 238'), Med Roots in lat(196')Lt Roots @ joint(175' to 210'), Footage counter obscured		2.1				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1490	NN75-5A	NN75-4	145.0	18.0	VCP	Pro lat(13'), Lt Roots in lat(65'), Long. Crack(38', 119'), Lt Roots @ joints T/O, Footage counter obscured		2.1				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW1491	NN75-4	NN75-3	437.0	21.0	VCP	Pro lat(89'), Lt Roots in lats(115', 427'), Large OS in lat(212'), Hvy Roots in lats(382'), Footage counter obscured, Video skips lateral @ 115'		2.1				\$ -								\$ -		\$ -		\$ -	2	\$ 12,000.00	\$ -	
SW1492	NN75-3	NN75-2	399.0	21.0	VCP	Hvy Roots in lats(6', 190'), Lt Roots in lats(48', 211', 245'), Pro lats(125', 291', 330'), Large OS w/ Lt Roots in lat(171'), Small OS in lat(293', 333', 336', 375'), Footage counter obscured		2.1				\$ -								\$ -		\$ -		\$ -	3	\$ 18,000.00	\$ -	
SW1497	NN75-2	NN75-1	340.0	21.0	VCP	Small OS in lat(18', 54', 98'), Pro lat(96'), Lt MD in lat(138'), Med MD in lats(140', 225'), Med OS joint in mainline(335'), Footage counter obscured		2.1				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1500	NN73-8	NN73-7	404.0	12.0	VCP	Pro lats(51', 156', 168', 183', 289', 309', 373', 375'), Lt Roots in lats(88', 89', 108', 250'), Med MD in lat(122'), Long. Crack(46')		2			\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1504	NN73-7	NN73-6	397.0	15.0	VCP	Pro lats(91', 177', 234', 282', 294', 333', 376'), Lt Roots in lat(112'), Pro lat w/ Lt Roots(162'), Small OS in lats(230', 270'), Lt MD in lat(268'), Rebar wedged in joint(257'), Long. Cracks T/O		2.1			\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1506	NN73-6	NN73-5	393.0	18.0	CIPP			2.1			\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1508	NN73-5	NN73-4	287.0	21.0	VCP	Large OS in lat(53'), Piece of wood lodged in joint(88'), Mult. Crack(66')		6.3			\$ -										\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	\$ -	
SW1510	NN73-4	NN73-3	187.0	21.0	VCP	Pro lats(7', 145')		2.1			\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1511	NN73-3	NN73-2	418.0	21.0	VCP	Lt Roots in lat(145'), Pro lat(320'), Small OS in lat(356'), Steel pipe wedged in joint(64', 181')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1516	NN73-2	NN73-1	412.0	21.0	VCP	Large OS in lat(55'), Med MD in lat(175'), Small OS in lat(214'), Lt MD in lats(277', 279'), Mult. Cracks(332')		6.3			\$ -									\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	\$ -		
SW1533	NN70-1-7	NN70-1-6	298.0	12.0	VCP	Pro lats(66', 76', 124', 164'), Large OS in lat(203'), Mult. Cracks(186'), Circ. Crack(294')		5			\$ -									\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	\$ -		
SW1611	NN70-1-6	NN70-1-5	348.0	15.0	VCP	Pro lats(8', 72', 109', 172', 212', 265', 304', 328'), Hvy Roots in lat(52'), Small OS in lats(92', 105'), Large OS in lats(129', 184')		2.6			\$ -									\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -	\$ -		
SW1620	NN70-1-4	NN70-1-3	275.0	12.0	VCP	Pro lats(44', 68', 245', 253'), Long. Crack(31')		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1625	NN70-1-3	NN70-1-2	206.0	12.0	VCP	Lt Roots in lat(10'), Pro lats(47', 163'), Mult. Cracks(26')		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1633	NN66-4A	NN66-4	6.0	18.0	RCP	Line in poor condition, B (6-12)		10.5	12		\$ 900.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900.00		
SW1634	NN66-4B	NN66-4C	126.0	12.0	RCP	Line in good condition		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1635	NN70-1-2	NN70-1-1	494.0	15.0	VCP			2.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1637	NN66-2-2	NN66-2-1	396.0	12.0	RCP	Line in good condition		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1638	NN70-1-1	NN70-1	494.0	18.0	VCP	Pro lats(6', 46', 112', 242', 326', 344'), Small OS in lats(232', 234'), Large OS in lat(404'), Lt MD in lat(416'), Mult. Cracks(36', 242')		7.8			\$ -								1	1	1	\$ 5,400.00		\$ -	\$ -	1	\$ 6,000.00	\$ 5,400.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW1646	NN66-2-1	NN66-2	39.0	18.0	RCP	Line in fair condition, JS (37)		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1665	NN58-2	NN58-1	142.0	27.0	RCP	Pro lat(94'), Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1668	NN58-3	NN58-2	64.0	24.0	VCP	Large OS in lat(45'), Small OS in lat(48')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -
SW1672	NN58-4	NN58-3	279.0	21.0	VCP	Small OS in lats(39', 90', 220', 222'), Large OS in lats(56', 179'), Pro lats(131', 195')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -	
SW1673	NN58-5	NN58-4	95.0	18.0	VCP	Pro lats(11', 33'), Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1674	NN58-6	NN58-5	59.0	18.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1675	NN58-7	NN58-6	114.0	12.0	VCP	Pro lat(100'), Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1684	NN54-4-4-1A	NN54-4-4-1	116.0	12.0	VCP	Pro lat(159'), Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1685	NN54-4-4	NN54-4-3	355.0	18.0	VCP	Pro lats(26', 201', 236', 278'), Small OS in lat(71'), Lt Roots in lat(74'), Hvy Roots in lat(113')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW1688	NN54-4-4A	NN54-4-4	144.0	12.0	VCP	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1701	NN54-4-3	NN54-4-2	440.0	18.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1702	NN54-5-3AA	NN54-5-3A	89.0	12.0	VCP	Pro lat(11'), Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1703	NN54-5-3	NN54-5-2	250.0	18.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -
SW1706	NN54-5-3	NN54-5-3-1A	227.0	12.0	VCP	Small OS in lat(60'), Pro lats(107', 154', 205'), Large OS in lat(215')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1707	NN54-5-2	NN54-5-1	303.0	18.0	VCP	Pro lats(19', 211'), Large OS in lat(49'), Small OS in lats(51', 153'), Object wedged in joints(56', 120', 196')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW1708	NN54-6-2	NN54-6-1	40.0	21.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1709	NN54-6-2-1	NN54-6-2	477.0	12.0	VCP	Pro lats(124', 165', 200', 317'), Small OS in lat(148'), Med Roots in lat(350')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1710	NN54-6-3	NN54-6-2	402.0	18.0	VCP	Pro lat(75'), Line OK		2.1				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1711	NN54-6-4	NN54-6-3	219.0	18.0	VCP	Small OS in lats(57', 73'), Pro lats(151', 153')		2.1				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1712	NN54-6-3-1	NN54-6-3	189.0	15.0	VCP	Long. Crack(168')		2.1				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1713	NN54-6-5	NN54-6-4	75.0	18.0	VCP	Line OK		2.1				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1716	NN66-10-8	NN66-10-7	99.0	12.0	RCP	Line in good condition, (diameter change stopped TV)		2				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1724	NN54-6-4B	NN54-6-4A	193.0	12.0	VCP	Pro lats(21', 49', 87', 120', 151', 179'), Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1725	NN54-6-4-1	NN54-6-4	200.0	12.0	VCP	Pro lat(183'), Line OK		1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1728	NN66-10-7	NN66-10-6	42.0	12.0	RCP	Line in good condition		2.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1732	NN54-4-1	NN54-4	205.0	18.0	VCP	Pro lat(102'), Line OK		2.1				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1733	NN54-3	NN54-2	354.0	36.0	RCP	Lt Roots in lat(83', 134', 138', 279'), Med Roots in lat(104', 244'), Lt Roots @ joints(80' to 140')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1734	NN54-2A	NN54-2	156.0	12.0	VCP	Mult. Cracks(35')		1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1736	NN54-2-1	NN54-2	262.0	12.0	VCP			1.5				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1737	NN51-9	NN51-8	309.0	12.0	VCP	Pro lats(75', 122', 164', 203'), Mult. Cracks(22', 184'), Circ. Cracks(239', 255', 257'), Long. Crack(248')		2				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1738	NN54-7	NN54-6	254.0	18.0	VCP	Pro lats(10', 186'), Lt Roots(13', 44'), Mult. Cracks(21'), Lt Roots @ select joints T/O		2.1				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1739	NN54-6-1	NN54-6	202.0	21.0	VCP	Mult. Cracks(150')		2.1				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST	
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW1740	NN54-6	NN54-5	337.0	27.0	RCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1741	NN54-5-1	NN54-5	230.0	18.0	VCP	Lt Roots in lat(8'), Lt Roots @ joints(40' to 70')		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1742	NN54-5	NN54-4	578.0	30.0	RCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1743	NN51-8	NN51-7	186.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1744	NN51-5	NN51-5A	120.0	21.0	VCP	Pro lat(8'), Lt MD in lats(44', 82')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1745	*NS59-9A	NS59-9	80.0	48.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1747	NS61-1-2	NS59-1A	200.0	12.0	VCP	Lt MD in lat(18'), Line Bulkheaded(19')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1749	NS46-1A	NS46-1	122.0	24.0	VCP	Pro lats(8', 50')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1750	*NS43-2A	NS43-2	253.0	24.0	VCP	Pro lats(16', 56', 96'), Pro lat w/ Lt Roots(54', 92'), Small OS in lats(137', 139', 249', 251'), Medium Roots at joint(61')		2.3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1752	NN49-8	*NN49-7A	94.0	12.0	VCP	Pro lat(10'), Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1753	NN49-7	*NN49-6A	222.0	15.0	VCP	Pro lat(186'), Mult. Crack(44')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1754	NN49-5	*NN49-4A	289.0	21.0	VCP	Med Roots in lat(90'), Pro lats(92', 130', 176', 178', 251'), Small OS in lat(249')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1755	NN47-5	NN47-5A	302.0	21.0	VCP	Pro lats(24', 64', 64', 297'), Small OS in lats(183', 224', 225')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1756	NN47-4	NN47-4A	151.0	21.0	VCP	Lt MD in lats(69', 111'), Pro lat(71'), Long. Crack(54'), Piece of pipe missing in mainline(36')		6.3				\$ - 1								\$ 4,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,500.00
SW1760	NN42-6-4	NN42-6-3	506.0	15.0	VCP			2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1761	NN44-8	NN44-7	351.0	12.0	VCP	Small OS in lat(50'), Pro lats(92', 103', 124', 145', 323'), Mult. Fractures(252' to 256'), Long. Crack(39', 163'), Mult. Cracks(188', 321')		6				\$ -								1 \$ 3,700.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,700.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1762	NN44-7	NN44-6	348.0	15.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1763	NN44-6A	NN44-5	257.0	18.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1764	NN44-5	NN44-5A	317.0	21.0	VCP	Pro lats(8', 98'), Hvy Roots in lat(10'), Small OS in lats(130', 132', 172', 174', 216', 250', 291'), Mult. Fracture(280' to 290')		8.4			\$ -				1					2	\$ 5,800.00	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ 5,800.00	
SW1765	NN44-4	NN44-3	355.0	21.0	VCP	Hvy Roots in lat(32'), Pro lats(34', 269', 307'), Small OS in lats(147', 149', 229'), Lt Roots @ joints(0' to 24', 60' to 70'), 280' to 300'), Mult. Cracks(231')		6.3			\$ -										\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW1766	NN44-3	NN44-2	367.0	21.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1767	NN44-2-1	NN44-2	36.0	12.0	VCP	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1768	NN44-2	NN44-1	117.0	21.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1769	NN44-1	Blind Tap	15.0	21.0	VCP	Line OK		2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1770	NN39-1	Blind Tap	15.0	21.0	VCP	Line OK		2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1772	NN39-8	NN39-7	355.0	12.0	VCP	Pro lats(13', 102', 134', 138', 173', 213', 292', 317', 322'), Long. Crack(155'), Mult. Cracks(181')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1773	NN39-7	NN39-6	346.0	15.0	VCP	Pro lats(21', 139', 175', 269'), Long. Crack(17', 77', 226')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1774	NN39-6	NN39-5	456.0	18.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1775	NN39-5	NN39-4	455.0	21.0	VCP	Hvy Roots in lat(128'), Lt Roots in lat(172'), Pro lats(244', 296', 324'), Lt MD in lat(252'), Large OS in lats(328', 372'), Long. Crack(233'), Lt to Med Roots @ joints(100' to 150')		4.2			\$ -									\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -		
SW1776	NN39-4	NN39-3	355.0	21.0	VCP	Small OS in lats(73', 75'), Pro lats(108', 150', 152', 191'), Pro lat w/ Hvy Roots(110'), Large OS in lat(189'), Lt Roots in lat(229', 306'), Med Roots in lat(304'), Long. Crack(177')		4.2			\$ -									\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -		
SW1777	NN39-3	NN39-2	368.0	21.0	VCP	Pro lats(6', 32', 68', 70', 189', 223'), Large OS in lat(295')		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -		
SW1778	NN39-2-2	NN39-2-1	84.0	12.0	VCP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1779	NN39-2-1	NN39-2	32.0	12.0	VCP	Point repair of mainline using brick as a collar(25')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1780	NN39-2-3	NN39-2-2	122.0	12.0	VCP	Pro lats(6', 75')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1782	NN38-6	NN38-5	333.0	15.0	VCP	Pro lats(132', 149', 191', 203'), Small OS in lat(272')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1783	NN38-5	NN38-4	458.0	18.0	VCP	Pro lats(49', 87'), Lt Roots in lats(145', 148', 212', 270', 443'), Hvy Roots in lats(209', 268', 441'), Lt Roots @ joints T/O, Med Roots @ joints were cut		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -	
SW1784	NN38-4	NN38-3	457.0	21.0	VCP	Small OS in lats(50', 110'), Pro lats(52', 111', 337'), Hvy Roots in lats(77', 154'), Pro lat w/ Lt Roots(171'), Large OS in lats(288', 346'), Long. Cracks(10', 231', 366', 427')		4.2				\$ -								\$ -	\$ -	\$ -	\$ -	4	\$ 24,000.00	\$ -		
SW1785	NN38-3	NN38-2	340.0	21.0	VCP	Large OS in lats(86', 262'), Small OS in lat(88'), Lt MD in lats(205', 264'), Pro lat(323'), Long. Crack(11', 152')		4.2				\$ -								\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00	\$ -		
SW1786	NN38-2	NN38-1	359.0	24.0	VCP	Small OS in lats(106', 284'), Large OS in lats(164', 166', 281'), Med MD in lat(335'). Structural Damage to mainline pipe @ MH(0'), Left broken piece of pipe from MH in line(285'), Piece of pipe removed		2.3				\$ -								\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -		
SW1787	NN38-1	NN32-1	329.0	12.0	VCP	Line OK		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1788	NN32-1	*NN32-1A	30.0	12.0	VCP	Construction debris in line, appears to be concrete(25')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1789	*NN32-1A	*NN32-1B	241.0	12.0	VCP	Line OK		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1790	*NN29-1A	NN29-1	35.0	12.0	VCP	Line OK		2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1791	NN29-1	Blind Tap	150.0	60.0	RCP	Line OK		2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1792	NN29-4	NN29-3	835.0	60.0	RCP	Lt to Med MD @ lats T/O, Hvy MD in lat(594'), Line OK		2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1793	*NN29-2-3	*NN29-3A	281.0	12.0	CIPP			2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1794	*NN29-2-3	*NN29-2-2	298.0	12.0	VCP			2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1796	*NN29-1B	*NN29-2-1	373.0	12.0	VCP			2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1797	*NN29-2-1	NN29-2	19.0	12.0	VCP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1798	*NN29-1B	*NN29-1A	313.0	12.0	CIPP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1799	NN42-6	NN42-4	121.0	72.0	RCP	Large OS in lat(66'), Long. Cracks(9', 38')		6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1801	NN29-8	NN29-5	302.0	60.0	RCP	Line Ok		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1802	NN29-5	NN29-4	145.0	60.0	RCP	Line OK		3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1803	*NN24-7A	NN24-7	113.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1804	*NN21-6A	NN21-6	174.0	12.0	VCP	Pro lats(57', 61', 137', 139'), Lt MD in lats(113', 115'), Small OS in lats(153', 155')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1805	*NN19-7A	NN19-7	111.0	12.0	VCP	Lt MD in lat(100'), Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1806	NN19-6	*NN19-5A	165.0	18.0	VCP	Pro lat(153'), Mult. Crack(88')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1807	E6-14	E6-15	44.0	36.0	RCP	Line in fair condition, Lt MD at joint(43')		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1813	E6-14	E6-13	320.0	36.0	RCP	Line in fair condition, Lt Infiltration at joint(129')		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1815	E6-13	E6-12	332.0	36.0	RCP	Line in fair condition, Lt MD at joints T/O		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1817	NN12-6	NN12-5	450.0	30.0	CIPP	Line in fair condition, Lt Roots in lats(69', 72', 113', 148', 152', 189', 192', 229'), Lt to Med Roots at joints T/O		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1819	E6-12	E6-11	448.0	36.0	RCP	Line in fair condition, Lt Infiltration at joints(47', 335', 383')		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1820	NN4-7	NN4-7A	320.0	30.0	RCP	Line in fair condition, Lt MD at joint(275')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1821	NN12-5-4	NN12-5-3	156.0	21.0	VCP	Line in fair condition, Long. Crack(78'), Mult.Fracture(87'-145')		4.8	156	1	\$ 15,320.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,320.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1823	NN1-7-2-1	NN1-7-2	126.0	30.0	RCP	Line in fair condition, Lt MD at joint(41'), Lt Roots at joints(114', 118')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1824	NN1-7-1	NN1-7	314.0	33.0	RCP	Line in fair condition, Lt Roots in lats(14', 81')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1825	NN1-7-2	NN1-7-1	188.0	30.0	RCP	Line in fair condition, Lt Roots in lat(26'), Lt Roots at joints(12', 39')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1826	NN7-5	NN7-4	468.0	33.0	RCP	Line in fair condition, Lt Roots in lats(92', 161', 368', 379'), Lt Roots at select joints T/O, Med OS in mainline(449', 457')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1827	E6-11	E6-10	323.0	36.0	RCP	Line in good condition, No defects observed		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1828	NN4-6	NN4-5	373.0	30.0	RCP	Line in fair condition, Lt Roots in lat(344'), Circ. Fracture(90')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1829	NN12-5	NN12-4	467.0	33.0	RCP	Line in fair condition, Lt Roots in lats(35', 80', 84', 121', 124', 161', 201', 204', 244', 326', 408', 413'), Lt Roots at joints T/O		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1830	*NN16-5	*NN16-4	460.0	30.0	RCP	Pro lats(214', 334'), Med H2S damage T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1833	E6-10	E6-9	363.0	36.0	RCP	Line in fair condition, Infiltration stain at joint(82')		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1834	NN4-5	NN4-4	367.0	36.0	RCP	Line in fair condition, Lt Roots in lats(86', 246', 269'), Lt MD at joint(21'), Lt Roots at joints(105'-121')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1835	NN9-4	NN9-3	419.0	30.0	RCP	Line in fair condition, Lt roots in lat(79'), Lt Roots at joints(64', 169', 241'), Med OS joint(117')		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1836	NN12-4	NN12-3	419.0	33.0	RCP	Line in fair condition, Lt Roots in lats(39', 197', 199', 237', 277', 396', 399'), Hy Roots in lats(357', 359'), Lt Roots at joints T/O		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1837	NN1-6	NN1-5	143.0	48.0	RCP	Line in fair condition, LT H2S damage T/O, Lt MD at joints(11', 143')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1838	E6-9	E6-8	166.0	36.0	RCP	Line in fair condition, Lt Infiltration at joints(74', 85', 100'), Lt MD at joint(116')		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1840	NN1-5	NN1-4	148.0	48.0	RCP	Line in fair condition, Lt H2S damage T/O, Lt MD at joints T/O, Tap Root at joint(103')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1841	NN1-4-1	NN1-4	399.0	30.0	RCP	Line in fair condition, Pro lat(357'), Lt MD at joint(405')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1842	*NN16-4	*NN16-3A	230.0	30.0	RCP	Med MD in lat(106'), Pro lats(119', 169', 186'), Med H2S damage T/O		2.3				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW1843	NN7-1-3	NN7-1-2	122, 301	30.0	RCP	Line in fair condition, Lt Roots in lats(45', 81'), Hvy Roots in lat(122'), Lt Roots at joints T/O, Survey Abandoned(122')–Hvy Roots from lat, Reverse Set-up, Line in fair condition, Lt Roots in lats(98', 103', 261', 300'), Lt Roots at joints T/O, Survey Abandoned(301')–Hvy Roots from lat		1.8					\$ -									\$ -		\$ -		\$ -	\$ -	\$ -
SW1845	*NN16-3A	*NN16-3	188.0	30.0	RCP	Pro lat(21'), Lt MD in lat(153'), Med H2S damage T/O		2.3				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1847	*NN16-3	*NN16-2	210.0	30.0	RCP	Med H2S damage T/O		2.3				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1848	*NN16-2	*NN16-1	77.0	30.0	RCP	Med H2S damage T/O		2.3				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1849	*NN16-1	*NN16	150.0	30.0	RCP	Lt MD in lat(81'), Line OK		2.3				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1850	NN29-11-9	NN29-11-8	240.0	12.0	RCP	Line OK		2.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1852	*NN42-13-7A	*NN42-13-7	164.0	12.0	VCP	Pro lats(46', 84'), Line OK		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1853	NN42-13-7	NN42-13-6	278.0	15.0	VCP	Large OS in lat(67'), Pro lats(112', 144', 188'), Small OS in lats(207', 255')		1.6				\$ -									\$ -		\$ -		\$ -	1	\$ 6,000.00	\$ -
SW1856	*NN42-13-7	*NN42-13-4A	182.0	12.0	VCP	Pro lats(83', 115'), Line OK		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1857	NN42-13-4-1	NN42-13-4A	67.0	12.0	VCP	Line Ok		2				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1864	NN42-13-4A	NN42-13-4	368.0	12.0	VCP			1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1865	*NN42-13-4A-1	*NN42-13-4A	143.0	12.0	VCP	Pro lats(83', 127'), Line OK		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1866	*NN42-13-4A-2	*NN42-13-4A-1	21.0	12.0	RCP	Lt H2S damage T/O		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1867	*NN42-13-4A-2	NN42-13-3-1A-2	80.0	12.0	RCP	Line Ok		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1868	*NN42-13-3-1A-2	*NN42-13-3-1A-1	100.0	12.0	RCP	Line Ok		1.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1869	*NN42-13-3-1A-1	*NN42-13-3-1A	48.0	12.0	VCP	Line Ok		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1870	NN42-13-3-2	NN42-13-3-1A	85.0	18.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1889	NN42-13-3-1	NN42-13-3	297.0	21.0	VCP	Small OS inlats(53', 88'), Long. Crack(14', 180')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1890	NN42-13-3-1A	NN42-13-3-1	225.0	18.0	VCP	Small OS in lat(52'), Pro lat(207'), Long. Cracks(25', 67')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1891	*NN42-13-3-1B	*NN42-13-3-1A	213.0	12.0	VCP	Pro lats(58', 96', 183'), Mult. Cracks(162')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1905	*NN42-13-3-1C	*NN42-13-3-1B	85.0	12.0	VCP	Line Ok		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1906	NN42-13-2-2A	NN42-13-2-1	289.0	12.0	VCP	Pro lats(118', 153', 203', 252', 254', 269'), Line OK		2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1907	NN42-13-2-1	NN42-13-2	337.0	15.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1908	NN42-13-1-5	NN42-13-1-4	135.0	18.0	VCP	Lt Roots in lats(6', 9'), Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1909	NN42-13-1-4	NN42-13-1-3	71.0	18.0	VCP	Lt Roots in lat(11'), Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1910	NN42-13-1-3	NN42-13-1-2	81.0	18.0	VCP	Line Ok		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1911	NN42-13-1-2	NN42-13-1-1	400.0	18.0	VCP	Lt Roots in lats(13', 117'), Mult. Cracks(53')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1912	NN42-13-1-1	NN42-13-1	38.0	18.0	VCP	Line Ok		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1913	NN42-13-1	NN42-13	325.0	36.0	RCP	Line Ok		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1914	NN42-15-2	NN42-15-1	156.0	12.0	PVC	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1915	NN42-15-3	NN42-15-2	109.0	12.0	PVC	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1916	NN42-15-4	NN42-15-3	262.0	12.0	PVC	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1917	NN42-15-5	NN42-15-4	92.0	12.0	PVC	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1918	NN42-14-2	NN42-14-1	295.0	12.0	VCP	Lt Roots inlats(9', 197'), Hvy Roots in lat(48')		2				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW1919	NN42-15	NN42-14	490.0	48.0	RCP	Lt MD @ joints T/O		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1920	NN42-14	NN42-14S	19.0	12.0	RCP	Large angular joint(4'), alignmnet down(16')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1921	NN42-14	NN42-13	494.0	48.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1922	NN42-14B	NN42-14A	393.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1923	NN42-15-1	NN42-15	50.0	12.0	PVC	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1924	NN42-15A	NN42-15	78.0	12.0	VCP	Video of lateral missing(50'), Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1925	NN42-15B	NN42-15A	169.0	12.0	VCP	Pro Lat w/ Lt Roots(149'), Long. Crack(44'), Survey Abandoned(169') -- Hvy Debris in line, Debris not removed, No reverse set-up attempted, Entire line shown on DVD 81		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1927	NN29-9-0-5	NN29-9-0-4	381.0	12.0	VCP	Pro lats(85', 113'), Hvy Roots in lat(249'), Roots @ joints(240' to 270')		2				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW1928	NN29-9-0-4	NN29-9-0-3	383.0	18.0	VCP	Pro lats(166', 365'), Lt Roots in lats(217', 376'), Hvy Roots in lat(265'), Roots @ joints(120' to 230'), Long. Cracks(344')		4.2				\$ -									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	
SW1929	NN29-9-0-3	NN29-9-0-2	379.0	18.0	VCP	Lt Roots in lat(325'), Mult. Cracks(326'), Roots @ joints(300' to 330')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1945	*NN42-9-4-1A	NN42-9-4-1	63.0	12.0	RCP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1946	NN42-9-4-1	NN42-9-4	75.0	18.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1947	NN42-9-4	NN42-9-4A	156.0	12.0	VCP	Pro lats(30', 44', 182', 276'), Small OS in lat(46'), Lt MD in lat(234'), Long. Crack(35', 149')		1.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1948	NN42-9-3	NN42-9-2	424.0	18.0	VCP	Line OK		2.1				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1949	NN42-9-2	NN42-9-1	308.0	21.0	VCP	Small OS in lats(94', 293'), Lt Roots in lats(148', 194', 243')		2.1				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1950	NN42-9-1B	NN42-9-1A	149.0	12.0	RCP	Lt H2S damage T/O		2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1951	NN42-6-3-2	NN42-6-3-1	299.0	12.0	VCP	Hvy Roots in lat(173'), Line OK		1.5				\$ -									\$ -		\$ -	\$ -	1	\$ 6,000.00	\$ -	\$ -
SW1952	NN42-6-3-1A	NN42-6-3-1	156.0	12.0	VCP	Lt MD in lat(118'), Line OK		2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1953	NN42-6-3-1	NN42-6-3	267.0	12.0	VCP	Pro lats(69', 183'), Line OK		2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1957	NN29-11	NN29-10	153.0	54.0	RCP	Lt Roots in lat(59'), Small OS in lat(57')		2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1958	NN29-12	NN29-11	316.0	54.0	RCP	Pro lats(105', 107')		2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1959	NN29-13	NN42-13	347.0	36.0	RCP	Line Ok		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1960	*NN29-13A	NN29-13	33.0	24.0	RCP	Line Ok		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1961	NN42-13	NN29-13	359.0	48.0	RCP	Line Ok		2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1962	NN29-13-1	*NN29-13A	108.0	24.0	RCP	Lt H2S damage T/O		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1963	NN29-13-2-1	NN29-13-2	296.0	18.0	VCP	Lt MD in lat(208'), Line OK		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1964	NN29-13-2	NN29-13-1	103.0	24.0	RCP	Lt H2S damage T/O, Pro lat(111)		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1965	NN29-13-2-2	NN29-13-2-1A	181.0	15.0	VCP	Line Ok		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW1966	NN29-13-2-3	NN29-13-2-2	134.0	12.0	HDPE			2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1967	NN29-13-2-1A	NN29-13-2-1	167.0	15.0	VCP	Lt MD in lat(94'), Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1968	NN29-13-2-7	NN29-13-2-6	21.0	10.0	RCP	MD @ joint(8')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1969	NN42-13-5A	NN42-13-5	163.0	10.0	CIPP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1970	NN42-13-6	NN42-13-5	32.0	18.0	VCP	Line Ok		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1972	NN42-13-4	NN42-13-3	308.0	21.0	CIPP	Small OS in lats(32', 90', 120')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1973	NN42-13-3	NN42-13-2	321.0	27.0	RCP	Lt MD in lats(101', 108'), Lt MD @ joints T/O		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1974	NN42-13-2	NN42-13-1	309.0	30.0	RCP	Lt MD in lat(226'), Video very dark, can only see laterals		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1975	NN29-9-0-2	NN29-9-0-1A	205.0	21.0	VCP	Pro lat(138')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1976	NN29-10	NN29-9	363.0	54.0	RCP	Line Ok		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1977	NN29-9-1	NN16-10-15	469.0	15.0	VCP	Line OK		2.1				\$ -	1								\$ 3,600.00	\$ -	\$ -	\$ -	7	\$ 42,000.00	\$ 3,600.00	
SW1978	NN29-9	NN29-8	336.0	60.0	RCP	Long. Crack(205')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1979	NN42-3	NN42-2	804.0	72.0	RCP	Line Ok		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW1980	NN29-8-3	NN29-8-2	389.0	24.0	VCP	Small OS in lats(135', 335'), Lt MD in lat(235'), Pro lats(285', 367'), Large OS in lats(183', 333', 379')		2.3				\$ -								\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -		
SW1981	NN16-10-2-14	NN16-10-2-13	287.0	15.0	VCP			1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW1982	NN29-9-1-2	*NN29-9-1-1A	195.0	21.0	VCP	Large OS in lats(58', 150', 189'), Pro lats(65', 105', 145'), Small OS in lats(69', 110')		2.1				\$ -								\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -		
SW1983	NN29-9-2	NN29-9-1	268.0	54.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW1984	NN16-10-15	*NN16-10-14A	116.0	27.0	RCP	Line Ok		1.8				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -	\$ -	
SW1985	NN16-10-6	NN16-10-7	123.0	30.0	RCP	Line in fair condition, Lt MD at joints(43', 98')		1.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1986	NN16-10-5	NN16-10-6	143.0	30.0	RCP	Line in fair condition, Lt MD at joints(54', 58', 67'-143')		1.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1987	NN16-10-4	NN16-10-5	138.0	30.0	RCP	Line in fair condition, Lt MD in lats(28', 87'), Hvy Roots in lat(105'), Lt MD at joints T/O		1.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1988	NN16-10-3	NN16-10-4	138.0	30.0	RCP	Line in fair condition, Lt MD at joints T/O		1.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1989	NN16-10-2	NN16-10-3	154.0	30.0	RCP	Line in fair condition, Lt Roots in lat(99'), Lt MD at select joints T/O		1.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1990	NN16-10-2-1	NN16-10-2	475.0	30.0	RCP	Line in fair condition, Med Roots in lats(94', 100', 135', 138'), Lt Roots in lat(254'), Lt H2S damage T/O, Lt MD at joints T/O		1.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1992	NN16-10-2-6	NN16-10-2-5	392.0	30.0	RCP	Line in fair condition, Hvy Roots in lats(27', 66'), Lt MD in lat(31'), Survey abandoned(66')--rootball from lateral, reverse set-up - Line in fair condition, Hvy Roots in lats(7', 10'), Survey Abandoned(10')--rootball from lateral		1.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1993	NN29-9-2-5	*NN29-9-2-4A	135.0	15.0	VCP	Long. Cracks(11', 58')		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1994	NN16-10-2-13	NN16-10-2-12	32.0	18.0	VCP	Line Ok		1.6				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1995	NN29-9-3-5	*NN29-9-3-4A	140.0	15.0	VCP	Pro lats(38', 60', 77'), Long. Cracks(17')		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1996	NN29-9-2-4	NN29-9-2-3A	140.0	18.0	VCP	Small OS in lat(95'), Mult. Cracks(100' to 140'), Sewer Snake protruding out of lateral(57')		2.1				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW1997	NN29-9-2-3	*NN29-9-2-2A	159.0	21.0	VCP	Pro lats(11', 49'), Small OS in lats(75', 79', 116'), Large OS in lat(156')		2.1				\$ -									\$ -		\$ -		\$ -	1	\$ 6,000.00	\$ -
SW1998	NN29-9-3-3	*NN29-9-3-2A	233.0	21.0	VCP	Small OS in lats(8', 83', 119', 159', 162', 199'), Large OS in lats(38', 43'), Pro lats(78', 128'), Lt MD in lat(123'), Long. Crack(79', 220')		4.2				\$ -									\$ -		\$ -		\$ -	2	\$ 12,000.00	\$ -
SW1999	NN29-9-3	NN29-9-2	282.0	54.0	RCP	Line OK		2.5				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -
SW2000	NN29-9-4	NN29-9-3	309.0	42.0	RCP	Line OK		2				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2001	NN16-10-2-5	NN16-10-2-4	385.0	30.0	RCP	Line in fair condition, Hvy Roots in lats(72', 146', 152', 186', 191'), Lt Roots in lat(108'), Protruding lats(266', 271'), Lt MD and Lt Roots at select joints T/O		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2002	NN16-10-2-4	NN16-10-2-3	374.0	30.0	RCP	Line in fair condition, Hvy Roots in lats(56', 61', 235', 358'), Lt Roots in lats(104', 354'), Pro lats(239', 279', 319', 323'), Lt MD at joints T/O		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2003	NN29-9-8	NN29-9-8A	176.0	21.0	VCP	Small OS in lats(42', 78', 82', 118', 156'), Pro lat(78')		1.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2004	NN16-10-2-3	NN16-10-2-2	450.0	30.0	RCP	Line in fair condition, Lt Roots in lats(106', 149', 190', 224', 343'), Hvy Roots in lats(229', 265', 270', 304', 309'), Lt MD at select joints T?O		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2005	NN16-10-2-2	NN16-10-2-1	296.0	30.0	RCP	Line in fair condition, Hvy Roots in lats(12', 95'), Lt Roots in lats(55', 59', 178', 183'), Lt MD at joints(18', 141', 196', 200')		1.8			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2006	NN54-6-4	NN54-6-4B	107.0	12.0	VCP	Pro lat(63'), Metal Strip stuck in joint(104')		1.5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2011	NN54-5-3-1A	NN54-5-3-1	90.0	12.0	VCP	Pro lat(33'), Line OK		1.5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2012	NN54-5-3	NN54-5-3AA	51.0	12.0	VCP	Line OK		1.5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2013	NN54-5-4	NN54-5-3	70.0	18.0	VCP	Line full of hard material that can't be seen b/c water level in pipe is too high, No video of line		2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2014	NN54-4-4	NN54-4-4-1A	64.0	12.0	VCP	Line OK		1.5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2015	NN54-4-5	NN54-4-4	79.0	18.0	VCP	Long. Crack(40'), Lt MD @ joints T/O		2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2018	NN66-7-2	NN66-7-1	454.0	18.0	RCP	Line in good condition, (lined pipe)		2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2028	NN54-4-2	NN54-4-1	172.0	18.0	VCP	Line OK		2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2029	NN29-4-4	NN29-4-4A	116.0	27.0	RCP	Pro lat(82'), Debris left in MH 4A		2.8			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2030	NN44-6	NN44-6A	202.0	18.0	VCP	Pro lat(52'), Med Roots @ joints(60' to 120')		2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2031	NN44-5A	NN44-4	140.0	21.0	VCP	Pro lat(12'), Line OK		2.1			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2032	NN39-2	NN39-1	116.0	21.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2033	NN29-2	NN29-1	713.0	60.0	RCP	Lt MD in most lats T/O, Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2034	*NN29-2-2	*NN29-2-1	301.0	12.0	VCP	Lt Roots in lat(181'), Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2035	NN29-3	NN29-2	908.0	60.0	RCP	Lt to Med MD @ lats T/O, Hvy MD in lats(187', 268', 466'), Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2057	NN42-14A	NN42-14	39.0	12.0	VCP	Lt MD @ joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2065	*NN42-9-4-2	NN42-9-4-1	259.0	18.0	VCP	Pro lats(160', 220', 205'), Lt to Med MD @ joints T/O		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2070	NN42-9-4A	NN42-9-5	68.0	12.0	VCP	Line OK		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2071	NN42-9-4	NN42-9-3	406.0	18.0	VCP	Pro lats(36', 82', 130', 142'), Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2072	NN42-9-1A	NN42-9-1	45.0	12.0	VCP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2073	NN42-9-1	NN42-9	140.0	21.0	VCP	Pro lats(88', 112'), Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2074	NN29-13	NN29-12	337.0	54.0	RCP	Line Ok		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2075	NN29-11-1	NN29-11-1A	169.0	24.0	VCP	Small OS in lats(26', 110'), Pro lats(67', 112', 118'), Large OS in lats(74', 150'), Hvy Roots in lat(153')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	
SW2076	NN29-9-5	NN29-9-4	171.0	42.0	RCP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2077	NN29-9-3A	NN29-9-3	279.0	15.0	VCP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2078	NN29-9-11	NN29-9-11A	117.0	15.0	VCP	Pro lat(32'), Line OK		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2079	NN29-9-0-1A	NN29-9-0-1	180.0	21.0	VCP	Pro lats(5', 34', 144'), Small OS in lat(154')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW2080	NN29-9-0-1	NN29-9-0A	216.0	21.0	VCP	Pro lats(15', 103'), Small OS in lats(38', 50', 101'), Pro lat cut(198'), Poor cleaning of line, debris left in line		2.1			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2081	NS59-15	NS59-14	93.0	48.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2082	NS59-14	NS59-13	371.0	48.0	RCP	Lt MD in lat(31'), Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2083	*NS59-9-1C	*NS59-9-1D	354.0	42.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2084	*NS59-9-1E	NS59-16A	167.0	42.0	RCP	Lt MD at select joints T/O, Hard material/debris in line and jetter unable to remove		3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2085	NS59-10	NS59-9	180.0	48.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2086	Chamber	*NS59-9-1A	183.0	42.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2087	*NS59-9-1B	*NS59-9-1C	354.0	42.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2088	NS59-9-0-2B	NS59-9-0-2A	18.0	18.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2089	NS59-6-11	NS59-6-10	160.0	30.0	RCP	Line in good conditon		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2090	NS6-13-15	NS6-13-14	155.0	42.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2091	NS6-13-17	NS6-13-16	153.0	42.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2092	NS6-13-19	NS6-13-18	162.0	36.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2093	NS6-13-6-2A	NS6-13-6-2	164.0	30.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2094	B5-1-3	B5-1-2	298.0	10.0	VCP	Line in fair condition, Hole in mainline at invert(285'), Hinge Fractures(285'-298')		8				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2095	B5-1-1	B5-1	265.0	10.0	VCP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW2101	NS6-1-6	NS6-1-5A	128.0	15.0	CIPP	Line in fair condition, Grease Deposits(9', 19', 57')		1.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2122	NN54-4	NN54-3	354.0	36.0	RCP	Lt MD in lat(38'), Inf. @ joints(337', 349')		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2123	NN54-2	NN54-1	131.0	36.0	RCP	Line OK		2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2124	NN54-1	Blind Tap	20.0	36.0	RCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2126	NN42-16	NN42-15	106.0	48.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2127	NN42-13-2-2	NN42-13-2-2A	37.0	12.0	VCP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2129	NN42-8	NN42-6	416.0	72.0	RCP	Moderate Infiltration @ joint(299')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2130	NN42-9	NN42-8	174.0	72.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2131	NN42-11	NN29-9-0-2	9.0	18.0	VCP	Line OK		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2132	NN42-13	NN42-11	352.0	72.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2133	NS6-13-20	NS6-13-19	145.0	36.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2134	NS61-1-4	NS61-1-3	102.0	12.0	VCP	Small OS in latA(24'), Small Pipe wedged in joint(22')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2136	NS6-11-1A	NS6-11-1	225.0	12.0	VCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2137	NS6-11-1B	NS6-11-1A	305.0	12.0	VCP	Line in fair condition, SZ (throughout)		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2138	NS14-7	NS14-6	28.0	12.0	VCP	Line in fair condition, CL (0-13)		4	28	1	\$ 2,180.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,180.00	
SW2139	NS14-7	NS14-8	126.0	12.0	CIPP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2140	NS14-10	NS14-9	176.0	12.0	VCP	Line in fair condition, SZ (throughout)		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2142	NS2-5-5	NS2-5-4A	104.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2143	NS2-6B	NS2-6A	142.0	33.0	CP	Line in fair condition, Lt Roots at joints(25', 34')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2144	NS2-7	NS2-6B	168.0	30.0	CP	Line in fair condition, Pro lat(162'), Lt MD at joint(113')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2145	NS2-5-4A	NS2-6A	307.0	10.0	PVC	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2148	NS6-21A	NS6-21	256.0	24.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2150	NS6-13-6-6A	NS6-13-6-6B	106.0	12.0	VCP	Line in fair condition, CL (0-19)		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2151	NS6-13-6-6	NS6-13-6-5A	158.0	21.0	CIPP			1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2152	NS6-13-6-5	NS6-13-6-4A	167.0	27.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2153	NS6-13-6-4	NS6-13-6-3A	155.0	30.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2154	NS6-13-6-3	NS6-13-6-2A	162.0	30.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2155	NS6-13-6-2	NS6-13-6-1A	166.0	42.0	RCP	Line in good condition, DAJ (throughout)		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2156	NS6-13-11A	NS6-13-11	111.0	12.0	HDPE			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2157	NS6-13-13A	NS6-13-13	113.0	12.0	VCP	Line in poor condition, CL (throughout)		4.5	113		4	\$ 8,780.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,780.00	
SW2158	NS6-13-15	NS6-13-15A	120.0	12.0	HDPE			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2159	NS6-13-19	NS6-13-19A	110.0	12.0	VCP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2160	NS6-13-21	NS6-13-21A	100.0	12.0	HDPE			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2161	CB13-11-A	NS6-13-6-1	168.0	12.0	RCP	Line in poor condition, SZ (throughout), CL (138-168)		4.5	168		5	\$ 12,580.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,580.00	
SW2162	NS6-13-6-2W	NS6-13-6-2	166.0	12.0	CIPP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2164	NS6-13-6-4-1AW	NS6-13-6-4-1A	15.0	8.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2165	NS6-13-6-5B	NS6-13-6-5	71.0	12.0	VCP	Line in good condition, B (62)		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2166	NS6-13-6-6B	NS6-13-6-6	67.0	12.0	VCP	Line in fair condition, CL (0-61)		4.5	67		2	\$ 5,020.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,020.00	
SW2167	NS6-13-19-3	NS6-13-19-2C	54.0	12.0	VCP	Line in fair condition, CL (8), CM (11)		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2168	NS6-13-19-2C	NS6-13-19-2B	18.0	12.0	VCP	Line is in fair condition, CL (6-9)		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2169	NS6-15	NS6-14A	213.0	48.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2170	BULKHEAD	NS6-13-24	22.0	30.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2171	NN66-4C	NN66-4A	59.0	12.0	RCP	Line in good condition		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2172	NN1-7-17-5-1	NN1-7-17-5	274.0	10.0	RCP	Line in fair condition, SAV-C (Throughout)		4.5	274			\$ 12,330.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,330.00	
SW2201	N11A	N12A	96.4	12.0	RCP	NOTE LINE NOT ON MAP, JOM IN SPOTS THROUGHOUT; DAE THROUGHOUT; VCP TRAP AT US MH	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2234	B5-1-5	B5-1-4A	175.0	10.0	VCP	Line in fair condition, Pro lat(103'), Long. Crack(160', 170')		8				\$ -								1		1	\$ 3,700.00	\$ -	\$ -	\$ -	\$ -	\$ 3,700.00
SW2235	B5-6-4A	B5-6-4	16.0	10.0	VCP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2236	NS3-9	NS3-8A	126.0	24.0	CP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2237	NS3-4A	NS3-4	111.0	42.0	RCP	Line in good condition, No defects observed		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2238	NS2-0	NS2	85.0	36.0	Brick	Line in fair condition, Sewer is Mostly Brick, Lt MD T/O		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2239	B5-1-4-2	B5-1-4-1	210.0	10.0	VCP	Line in fair condition, Mult. Fracture(165')		8				\$ -	1					1	1	\$ 3,750.00		\$ -	\$ -	\$ -	\$ -	\$ -	3,750.00	
SW2240	NS59-17BS	NS59-17BSW	28.0	12.0	VCP	Lt Roots at joints T/O	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2241	NS59-25-2	NS59-25-2N	48.0	12.0	VCP	Med OS joint(8'), Lt Roots at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2242	NS59-25-2	NS59-25-2NW	28.0	12.0	VCP	Med OS joint(17'), Med Roots at joints T/O, Survey abandoned(28')--Heavy Roots	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2243	NS59-25-2	NS59-25-2S	17.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2244	NS59-25-1	NS59-25-1N	30.0	12.0	VCP	Long. Crack(10', 13', 15', 19'), Mult Crack(15'), Med OS joint(18', 23')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2245	NS59-25-1	NS59-25-1W	7.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2246	NS59-24-1	NS59-24-1NE	30.0	12.0	VCP	Med OS joint(23', 25'), Lt Roots at joints(5', 12')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2247	NS59-24-2	NS59-24-2N	30.0	12.0	VCP	Mult Crack(5', 8'), Long. Crack(10', 16', 21'), Lt MD at joints(12', 15'), Size reduced to 10"(24")	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2248	NS59-24-2	NS59-24-2W	12.0	10.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2249	BLIND TAP	NS59-24-3S	15.0	12.0	VCP	Lt Roots at joints(12', 13'), Survey abandoned*15')--Bend in line	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2250	NS59-24-3	NS59-24-3SW	38.0	12.0	VCP	Long. Cracks(13', 28'), Lt MD at joints T/O	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2251	NS59-24-4	NS59-24-4N	17.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2252	NS59-24-4	NS59-24-4NW	27.0	12.0	RCP	Rebar visible(12')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2253	NS59-21-2	NS59-21-2N	32.0	12.0	VCP	Mult and Long. Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2254	NS59-21-1NE	NS59-21-1	30.0	12.0	VCP	Mult Crack(9', 10'-19', 25'), Lt Roots at joints(22', 26')	None	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2255	NS59-25-3	NS59-25-3S	13.0	12.0	RCP	Mult Crack(7')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2256	NS59-26-1	NS59-26-1W	10.0	12.0	VCP	Large OS joint and Med Roots(7')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2257	NS59-26-1	NS59-26-1S	24.0	12.0	VCP	Long. Crack(8', 12', 13')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2259	NS59-16-2-3	NS59-16-2-3N	24.0	12.0	VCP	Mult Crack(9', 11', 12'), Lt MD at joint(15')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2260	NS59-16-2-3	NS59-16-2-3W	10.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2261	NS59-18-2	NS59-18-2NW	10.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2262	NS59-18-2	NS59-18-2NE	27.0	12.0	VCP	Long. Crack(9', 14), Mult Crack(17'), Med OS joint(20', 22')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2263	NS59-18-1	NS59-18-1N	16.0	12.0	VCP	Mult Crack(6', 8'-16'), Lt Roots at joints T/O, Survey abandoned(16')-Roots	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2264	NS59-18-1	NS59-18-1W	6.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2265	NS59-16-3-3	NS59-16-3-3N	7.0	12.0	PVC	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2266	NS59-16-3-3	NS59-16-3-3SE	26.0	12.0	VCP	Mult Crack(6', 10', 12', 14')	Dig Mainline	7.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2267	NS59-16-3-2A	NS59-16-3-2SW	40.0	12.0	VCP	Long. Crack(8', 12'), Mult Crack(9'), Med OS joint(12', 16', 20'-40')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2268	NS59-16-3-4	BLIND TAP	10.0	12.0	VCP	Lt MD at joints(8', 10')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2269	NS59-16-3-4SE	BLIND TAP	22.0	12.0	VCP	Long. Crack(11')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2270	NS59-16-2-1NE	NS59-16-2-1NNW	28.0	12.0	VCP	Lt Roots at joints T/O	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2271	NS59-16-2-1NW	BLIND TAP	33.0	12.0	VCP	Long. Cracks T/O, Hinge Fracture(13'-22')	None	7				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2272	NS59-16-2-1SW	NS59-16-2-1SE	26.0	12.0	VCP	Circ. Fracture(25')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2273	NS59-16-2-1	NS59-16-2-1W	40.0	12.0	VCP	Med OS joint(11', 23', 29')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2274	NS59-16-2-1SW	BLIND TAP	28.0	12.0	VCP	Mult Fracture(5'-13'), Hinge Fracture(7'-17'), Long. Crack(20')	Dig Mainline-Connect to MH NS59-16-2-1	9.75				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2275	NS59-17BNW	NS59-17BN	28.0	12.0	VCP	Long. Crack(5', 7'), Circ. Fracture(24')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2276	NS59-17B	NS59-17BN	48.0	12.0	VCP	Long. And Mult. Cracks T/O, Lt Roots at joints(8', 11'), Size reduces to 4"(45")	None	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2277	NS59-17-1ANE	BLIND TAP	32.0	12.0	VCP	Mult Fracture(5'), Mult Crack(6'-14', 22', 25', 27'), Hinge Fracture(12')	None	5.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2278	NS59-17-1A	NS59-17-1ASE	45.0	12.0	VCP	Long. Cracks T/O, Mult Crack(28'), Med OS joint(10'-45')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2279	NS59-22-2A	NS59-22-2ANW	28.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2280	NS59-22-2A	NS59-22-2AN	25.0	12.0	RCP	Backflow preventer(24')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2281	NS59-22-1N	NS59-22-1NW	27.0	12.0	RCP	Settled deposits(13')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2282	NS59-22-1ANW	NS59-22-1ANNW	28.0	12.0	RCP	Surface roughness(5')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2283	NS59-22-1A	NS59-22-1ANW	25.0	12.0	VCP	Circ. Crack(12'), Backflow preventer(23')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2284	NS59-25	NS59-25W	15.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2285	NS59-25	NS59-25N	13.0	10.0	VCP	Survey abandoned(13')--Large root mass	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW2286	NS71-12NW	BLIND TAP	40.0	12.0	VCP	Long. Cracks T/O, Hinge Fracture(12', 19')	None	6.25				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2287	NS71-12N	BLIND TAP	26.0	12.0	VCP	Long. Cracks T/O, Multi Crack(19', 23')	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2288	NS71-12	NS71-12NNE	71.0	12.0	VCP	Long. And Mult cracks T/O	None	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2289	NS71-12NE	BLIND TAP	25.0	12.0	VCP	Med OS joint(6'), Mult Crack(8', 11'), Long. Crack(17'), Lt MD at joint(24')	None	5.75				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2290	NS71-12	NS71-12E	30.0	12.0	VCP	Med OS joints T/O, Long. Crack(14', 18', 21')	None	4.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2291	NS71-12-1	NS71-12-1W	39.0	12.0	VCP	Med OS joint T/O, Long. Crack(19'), Med Roots at joints(11', 23'), Size reduces to 10"(27")	None	3.75				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2292	NS71-12-1	NS71-12-1NW	50.0	12.0	VCP	Long. Cracks T/O, Mult Crack(23')	None	5.25				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2293	NS59-16-2-3A	NS59-16-2-3AN	41.0	12.0	VCP	Med OS joint(5', 10', 25', 33'), Long. Crack(10', 29')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2294	NS59-16-2-3	NS59-16-2-3ANE	44.0	12.0	VCP	Mult Crack(5', 20'), Long. Crack(17'), Spiral Crack(18', 42'), Med OS joint(23'-44')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2295	NS59-21-4NW	BLIND TAP	37.0	12.0	VCP	Long. Crack(8', 22', 25', 30'), Med OS joint(11', 17'), Lt Roots at joints(27', 30', 34', 37')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2296	NS59-21-4N	NS59-21-4	72.0	12.0	VCP	Med OS joint(9', 65', 70'), Long. Crack(29', 34'), Hinge Fracture(37', 39'-43', 47'-54'), Hole with soil visible(63', 64'), Lt Roots at select joints T/O	Dig Mainline (60'-66') FCIPP	8	72	1	\$ 4,820.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 13,320.00	
SW2298	NS59-18-3	NS59-18-2	324.0	12.0	VCP	Pro lats(84', 140', 248'), Lt Roots in lat(176'), Mult. Crack(42'), Long. Crack(242')		2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2301	NS59-16-2-3	NS59-16-2-3E	151.0	12.0	VCP	Long. Crack(10'), Mult Crack(84', 98', 101', 108', 117', 120', 122'), Lt Roots at joints T/O	FCIPP	6	151	1	\$ 9,560.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,560.00	
SW2302	NS59-16-2-3NE	BLIND TAP	18.0	12.0	VCP	Hinge Fracture(7'), Med Roots at joints(5', 9', 12', 18'), Survey abandoned(18')-Large Tap Root	None	10				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2303	NS59-16-2-2SW	NS59-16-2-2	144.0	12.0	VCP	Long. Crack(39', 122'), Mult Crack(118', 123', 135')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2304	NS59-16-2-2WNW	BLIND TAP	29.0	12.0	VCP	Long. Crack(5', 10', 14')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2305	NS59-16-2-2W	BLIND TAP	13.0	12.0	VCP	Med Angular Joint(10')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2306	NS59-17B	NS59-17BS	128.0	12.0	VCP	Med OS joint(7', 11'), Mult Crack(11', 69', 93', 98', 115'), Size reduces to 4"(125')	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2307	NS59-9-2-6A	NS59-9-2-6AN	34.0	12.0	VCP	Mult Crack(10', 14', 16'-34'), Long. Crack(22', 25', 28'), Lt MD at joints(10', 19')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2308	NS59-9-2-6AN	NS59-9-2-6ANE	28.0	12.0	VCP		Dig Mainline	5.6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2309	NS59-9-4-4ASW	NS59-9-9AW	28.0	12.0	RCP	Lt MD at joints(12', 20', 23')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2310	NS59-9-9A	NS59-9-9AW	29.0	12.0	RCP	Backflow preventer(28')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2311	NS59-9-9A	NS59-9-9AN	30.0	12.0	RCP	Lt MD at joints(7', 23'), Backflow preventer(28')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2312	NS59-9-9AN	NS59-9-9ANE	28.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2313	NS59-9-9AE	NS59-9-9A	54.0	12.0	RCP	Lt MD at joints T/O, Backflow preventer(52')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2314	NS59-9-9A	NS59-9-9ASSE	54.0	12.0	RCP	Lt H2S damage(11', 32'), Lt MD at select joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2315	NS59-9-9ASSE	NS59-9-9AS	28.0	12.0	RCP	Circ. Crack(20')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2316	NS59-9-4-4A	NS59-9-4-4	157.0	12.0	RCP	Circ. Crack(110'), Lt MD at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2317	NS59-9-4-4AS	NS59-9-4-4ASSE	28.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2318	NS59-9-4-4ASSE	NS59-9-4-4A	60.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2319	NS59-9-4-4AE	NS59-9-4-4A	59.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2320	NS59-9-4-4ANNW	NS59-9-4-4ANNE	28.0	12.0	RCP	Settled deposits(7', 9')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2321	NS59-9-4-4A	NS59-9-4-4ANNW	26.0	12.0	RCP	Lt MD at joints(8', 21'), Backflow preventer(23')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2322	NS59-9-4-4A	NS59-9-4-4AW	29.0	12.0	RCP	Backflow preventer(29')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2323	NS59-9-4-4AW	NS59-9-4-4ASW	29.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2324	NS59-9-3-6ANW	NS59-9-3-6ANE	28.0	12.0	RCP	Lt MD at joints(8', 13', 16')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2325	NS59-9-3-6A	NS59-9-3-6ANW	73.0	12.0	RCP	Long. Crack(21'), Lt MD at joints(30', 34', 42', 69'), Backflow preventer(71')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2326	NS59-9-3-6A	NS59-9-3-6ASW	40.0	12.0	RCP	Circ. Crack(26'), Backflow preventer(39')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2327	NS59-9-3-6ASW	NS59-9-3-6ASE	28.0	12.0	RCP	Long. Crack(10')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2328	NS59-9-3-4A	NS59-9-3-4AW	33.0	12.0	RCP	Lt MD at joints(9', 19'), Backflow preventer(31')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2329	NS59-9-3-4AW	NS59-9-3-4ANW	29.0	12.0	RCP	Lt MD at select joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2330	NS59-9-3-4A	NS59-9-3-4AN	65.0	12.0	RCP	Lt MD at joints T/O, Backflow preventer(64')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2331	NS59-9-3-4AN	NS59-9-3-4ANE	29.0	12.0	RCP	Rebar Visible(16'), Lt MD at joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2332	NS59-9-1-4A	NS59-9-1-4AN	53.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2333	NS59-9-1-4AW	NS59-9-1-4ANW	26.0	12.0	VCP	Mult. Crack(13')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2334	NS59-9-1-4A	NS59-9-1-4AW	37.0	12.0	VCP	Long. Crack(8', 16', 24'), Lt MD at joints(18', 28'), Size reduces to 4" w/ backflow preventer(35')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2337	NS59-16-2-1	NS59-16-2-1NE	46.0	12.0	VCP	Large OS joint(2', 14'), Long. Crack(11', 16', 20', 43'), Pipe reduces to 4"(44')	None	3.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2338	NS59-16-2	NS59-16-2E	20.0	12.0	VCP	Long. Crack(6', 11'), Spiral Fracture(8'), Med OS joint(11')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2339	NS59-16-2	NS59-16-2NE	31.0	12.0	VCP	Long. Cracks T/O, Mult Crack(26')	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2340	NS59-17A	NS59-17AE	18.0	12.0	VCP	Spiral Fracture(5'), Long. Crack(7', 9')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2341	NS59-17A	NS59-17ANE	24.0	12.0	RCP	Hole(14'), compacted cement(22'-24')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2343	NS59-9-1-6AN	NS59-9-1-6ANW	29.0	12.0	VCP	Mult crack(7'-29')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2344	NS59-9-1-6BSE	NS59-9-1-6BE	29.0	12.0	VCP	Spalling(17', 24')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2345	Catch Basin	NS59-9-1-6BSE	50.0	12.0	VCP	Mult and Long. Cracks T/O, Size reduction to 4"(46")	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2348	NS59-9-2-5A	NS59-9-2-5ASE	25.0	12.0	VCP	MULT CRACKS @ 12', 18'; DEPOSITS @ 12', 18'	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2349	NS59-9-2-5A	NS59-9-2-5AW	14.0	10.0	VCP	LONG CRACKS @ 9'; DEPOSITS THROUGHOUT; ROOTS MED @ 9.5'	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2350	NS59-9-4-7	NS59-9-4-7NW	20.0	12.0	VCP	Mult Crack(6', 11'), Long. Crack(8'), Med OS joint(14'), Pipe reduces to 4"(18')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2351	NS59-9-4-7NW	NS59-9-4-7NE	28.0	12.0	VCP	Mult Crack(17', 19'), Lt MD at joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2352	NS59-9-12ANW	NS59-9-12ANE	28.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2353	NS59-9-12A	NS59-9-12ANW	24.0	12.0	RCP	Backflow preventer(23')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2354	NS59-9-2-4A	NS59-9-2-4AE	44.0	12.0	VCP	Long. Cracks T/O, Mult Crack(17', 22'), Size reduces to 4"(42")	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2355	NS59-9-2-4AW	NS59-9-2-4ANW	28.0	12.0	VCP	Long. Crack(6'), Mult Crack(14'), Rocks(9')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2356	NS59-9-2-4A	NS59-9-2-4AW	34.0	12.0	VCP	Long. Crack(10', 15', 17'), Hinge Fracture(18', 21', 23'), Size reduces to 10"(28'), Backflow preventer(32')	Dig Mainline	7				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2357	NS59-9-2-4A	NS59-9-2-4AN	58.0	12.0	VCP	Long. Crack(7', 9', 12', 14'), Hinge Fracture(20'-44'), Lt MD at joints T/O	Dig Mainline	6.2				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW2358	NS59-9-2-4A	NS59-9-2-4ANNE	60.0	12.0	VCP	Long. Crack(8', 11', 13', 29', 34', 38', 49', 51'), Hinge Fracture(16'), Lt MD at select joints T/O	None	4.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2359	NS59-12-3SW	NS59-12-3W	35.0	12.0	RCP	Long. Crack(6', 15', 17', 23'), Mult Crack(30'), Lt MD at select joints T/O	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2360	NS59-12-1NW	NS59-12-1N	33.0	12.0	RCP	Settled deposit(28')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2361	NS59-15SE	NS59-9-1ENE	25.0	10.0	RCP	MULT CRACK @ 16'; DEPOSITS THROUGHOUT	NONE	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2362	NS59-15	NS59-15SE	29.0	10.0	RCP	MULT CRACKS @ 14', 26'; LONG CRACKS @ 17'-25'; HOLE/REINFORCEMENT VISIBLE @ 17'	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2363	NS59-9-9AE	NS59-9-9ASE	28.0	12.0	RCP	Lt MD at joint(7')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2364	NS59-9-4-4AE	NS59-9-4-4ASE	28.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2365	NS59-9-4SW	Blind Tap	28.0	12.0	VCP	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2366	NS59-9-4NW	NS59-9-4	51.0	12.0	VCP	Mult Crack(6'-45'), Long. Crack(14'-45'), Lt MD at joints T/O, Utility thru sewer(45')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2367	NS59-9-3S	NS59-9-3SW	28.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2368	NS59-9-3	NS59-9-3NW	73.0	10.0	VCP	Mult Crack(11', 22', 23'-73'), Long. Cracks(19', 52'-73'), Long. Fracture(53', 55'), Size increases to 12"(14')	None	4.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2369	NS59-9-6A	NS59-9-6AW	48.0	12.0	VCP	LONG CRACKS @ 6'-40'; MAT CHANGE @ 42' (RCP), 45' (PVC)	NONE	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2371	NS59-9-3-1	NS59-9-3-1NW	37.0	10.0	RCP	MULT CRACKS @ 23'; DEPOSITS @ 23'	NONE	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2373	NS59-9-1-2S	NS59-9-1-2N	29.0	10.0	VCP	Mult Crack and Fracture(18', 21', 23', 25'), Lt MD at joints(8'-12', 14'), Mortar in line(25')	Dig Mainline	6.4				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2375	NS59-9-2-4AE	NS59-9-2-4ANE	26.0	12.0	VCP	Mult Crack(20'), Large angular joint(23')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW2376	NS59-9-2-3NW	NS59-9-2-3NNW	26.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2377	NS59-9-2-3NW	NS59-9-2-3NE	94.0	12.0	VCP	MULT CRACKS @ 48'-END OF LINE; DEPOSITS THROUGHOUT	NONE	5.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2379	NS59-8-7NW	BLIND TAP	35.0	12.0	VCP	Long. Crack(9'), Lt MD at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2380	NS59-8-5	NS59-8-5SW	70.0	12.0	VCP	Mult Crack(6'-70'), Med OS Joint(50'), Long. Crack(54', 58'), Lt MD at joints T/O, Utility line thru sewer(30')	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2381	NS59-8-4	NS59-8-4SW	37.0	12.0	VCP	Long. Crack(7'), Med OS joint(8', 17', 21', 34'), Lt MD at joint(35')	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2382	NS59-8-3	NS59-8-3SW	66.0	12.0	VCP	Mult Crack(6'-66'), Med OS joint(9', 13'), Long. Crack(40', 46', 51'), Lt MD at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2383	NS59-8-3	NS59-8-3NW	100.0	12.0	VCP	Mult crack(7', 11'-100'), Med OS joints and Long. Cracks at various locations T/O, Lt MD at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2384	NS59-8-3-1W	NS59-8-3-1NW	26.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT		6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2385	NS59-8-3-1	NS59-8-3-1W	43.0	12.0	VCP	MULT CRACKS @ 10', 18', 39'; LONG CRACK 2 40'	NONE	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2387	NS59-9-2	NS59-9-2NW	44.0	12.0	VCP	LONG CRACKS THROUGHOUT; DEPOSITS THROUGHOUT; ALIGNMENT LEFT @ 34', CB CALLED 10' FROM THIS POINT	NONE	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2388	NS59-8-2	NS59-8-2SW	36.0	12.0	VCP	Long. Crack(8', 27', 29'), Med OS joint(11'-27'), Hole(33'), Pipe reduces to 10"(33")	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2390	NS59-9AN	NS59-9ANW	27.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2391	NS59-9-1ASE	NS59-9-1AE	28.0	12.0	RCP	Long. Crack(11', 16', 19'), Cement in line(5'-28')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2392	NS59-8	NS59-8NW	46.0	12.0	VCP	Mult and Long. Cracks T/O, Pipe reduces to 10"(43")	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2393	NS59-8-1	NS59-8SW	30.0	12.0	VCP	Med OS joint(9', 18', 21', 24'), Long. Crack(15', 17')	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2394	NS59-8	NS59-8-1NW	48.0	12.0	VCP	Med OS joint T/O, Mult Crack(14'-42')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2395	NS59-9-0-1A	NS59-9-0-1ANNW	99.0	12.0	VCP	Mult Crack(6', 80'), Lt MD at joints T/O	FCIPP	7.5	99	1	\$ 6,440.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,440.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2396	NS59-9-0-1ANW	Blind Tap	30.0	12.0	VCP	Long. Crack(17'), Mult Crack(18', 21'), Lt MD at joints T/O	None	6.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2397	NS59-12-6	NS59-12-5SE	15.0	12.0	VCP	Mult Crack(9')	Dig Mainline	7.5				\$ -									\$ -	\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00
SW2398	NS59-12-6	NS59-12-5NE	36.0	12.0	VCP	Long. Cracks T/O, Med OS Joints(16'-36')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2399	NS59-12-6SW	NS59-12-6SE	29.0	12.0	VCP	Mult cracks and Lt MD at joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00
SW2400	NS59-9-0-3A	NS59-12-6SW	54.0	12.0	VCP	Mult Crack(5', 8'-16', 17', 23', 26'-54'), Hinge Fracture(9'-16'), Deformed(10', 18'), Broken(31')	Dig Mainline	6.6				\$ -								\$ -	\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW2401	NS59-12-1	NS59-12-1N	30.0	12.0	RCP	Backflow preventer(29')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2402	NS59-9-0-3N	NS59-9-0-3NW	29.0	12.0	VCP	Med OS joint(8', 13'-29'), Mult Crack(10'-29'), Size reduces to 10"(23")	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2408	NS59-6-15	NS59-6-15A	363.0	15.0	VCP	Long. Crack T/O, Hinge Fracture(136'), Mult Crack(276', 328'), Gas line thru sewer(328'), Lt MD at joints T/O	None	4.2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2409	NS6-13-21-4	NS6-13-21-4NW	151.0	12.0	VCP	Long. Fracture(5', 10', 121'), Long. Crack(14', 31', 71', 114', 117'-121'), Survey abandoned(126')--Cement, Reverse-Lt MD at joints(6'-25'), Survey abandoned(25')--Cement	Dig Mainline (123'-129') FCIPP	6	151		1	\$ 9,560.00									\$ -	\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	18,060.00
SW2410	NS6-13-21-4N	Blind Tap	5.0	12.0	VCP	Mult Fracture(3')	Dig Mainline (0'-5') Build MH	8				\$ -								\$ -	\$ -	1	\$ 6,000.00	1	\$ 8,500.00	\$ -	14,500.00	
SW2411	NS59-6-14-1NW	NS59-6-14-1N	28.0	10.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2412	NS59-6-14-1NW	NS59-6-14-1	126.0	10.0	VCP	Mult Crack(6', 11'-18'), Long. Crack(12', 30', 48', 103'), Lt MD at select joints T/O	None	4.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2415	NS59-8-0-4	NS59-8-0-4SE	74.0	12.0	RCP	Spiral Crack(51'), Med OS joint(57'), Med Roots at joints(8', 11', 20'), Lt MD at joints(14', 17', 23', 26'-41')	None	3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2416	NS59-8-0-3SSE	NS59-8-0-3S	95.0	12.0	RCP	Long. Crack(32'), Med OS joint(89'), Lt Roots at joints(20'-26'), Lt MD at joints(42', 51', 54')	None	3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2417	NS59-8-0-3SE	NS59-8-0-3S	34.0	10.0	PVC	Long. Crack(7', 9')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2418	NS59-8-0-3	NS59-8-0-3NE	40.0	10.0	RCP	Long. Crack(5', 7-14', 31', 33'), Hinge Fracture(35'), Size reduces to 8"(38")	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2419	NS59-6-10NW	BLIND TAP	34.0	12.0	RCP	Med OS joint(23', 32'), Mult Crack(32')	None	3.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2420	NS59-6-10	NS59-6-10SW	58.0	12.0	RCP	Med OS joint(28', 36'), Mult Crack(29')	None	3.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2421	NS59-6-10	NS59-6-10NE	18.0	12.0	RCP	Large angular joint(15')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2422	NS59-6-10	NS59-6-10SE	22.0	12.0	RCP	Lt MD at joint(8'), Mult Crack(21')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2423	NS6-13-17-4N	BLIND TAP	6.0	12.0	RCP	Mult Crack(5')	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2424	NS6-13-17-4	NS6-13-17-4NW	175.0	12.0	VCP	Mult crack(5', 15', 28', 89', 108', 121'), Long Crack(11', 37', 51', 102', 131', 137', 141'), Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2425	NS59-6-11-1NW	NS59-6-11-1	173.0	12.0	RCP	Spiral Crack(8', 121', 154'). Long. And Mult cracks at various locations T/O, Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2426	NS59-6-11-1N	BLIND TAP	8.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2427	BLIND TAP	NS59-8-0-2NNE	6.0	10.0	RCP	Alignment down(3')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2428	NS59-8-0-2	NS59-8-0-2NE	63.0	10.0	RCP	Long. Crack(7'), Mult Crack(17'), Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2429	NS59-8-0-2	NS59-8-0-2E	36.0	10.0	RCP	Med OS joint(8'), Lt MD at joints(16', 22'-27')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2430	NS59-6-8W	BLIND TAP	32.0	12.0	RCP	Long. Crack(5', 6', 12', 17', 21'-32'), Mult Crack(30'), Gravel(8'), Lt MD at joint(9')	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2431	NS59-6-8	NS59-6-8SW	60.0	12.0	RCP	Med OS joint(12'), Mult Crack(29'), Long. Crack(43', 54'), Pipe reduces to 10"(58")	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2432	NS59-6-8SE	BLIND TAP	30.0	12.0	RCP	Long. Crack(7', 8'-30'), Mult Fracture(29')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2433	NS59-6-8	NS59-6-8E	15.0	12.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2436	NS59-6-9-1N	NS59-6-9-1NW	27.0	10.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2437	NS59-6-9-1N	NS59-6-9-1	152.0	12.0	VCP	Long. Cracks T/O, Lt MD at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2438	NS59-8-ONNE	BLIND TAP	26.0	10.0	RCP	Long. Crack(8', 10', 19'), Rocks and Gravel(11', 15')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2439	NS59-8-0A	NS59-8-0	152.0	10.0	RCP	Long. Cracks T/O, Lt MD at select joints T/O, Size reduces to 8'(149")	None	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2440	NS59-6-6W	BLIND TAP	75.0	12.0	RCP	Long. Crack(16', 67'-75'), Med OS joint(21', 24', 61'), Mult Crack(61', 73'), Lt MD at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2441	NS59-6-6	NS59-6-6SW	60.0	12.0	RCP	Med OS joint(7', 47'), Long. Crack(26', 28', 34', 36'-60'), Mult Crack(52')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2442	NS59-6-6	NS59-6-6NW	52.0	12.0	RCP	Long. Cracks T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2443	NS59-6-6	NS59-6-6SSW	19.0	12.0	RCP	Long. Cracks T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2444	NS6-13-13-4NW	NS6-13-13-4	175.0	12.0	RCP	Long. Cracks T/O and Lt MD at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2445	NS6-13-13-4NW	BLIND TAP	5.0	12.0	VCP	Med OS joint(1')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2446	NS6-13-11-5N	NS6-13-11-5NW	15.0	12.0	RCP	Long. Crack T/O, Lt MD at joint(11')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2447	NS59-6-5AN	NS59-6-5ANW	17.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2448	NS59-6-5AN	NS59-6-5A	157.0	12.0	RCP	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2449	NS59-6-3A	NS59-6-3NE	18.0	12.0	VCP	Long. Crack(5'), Mult Crack(9'), Lt MD at joints(10', 14'), Lt Roots at joints(15', 16')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2450	NS59-6-3A	NS59-6-3E	27.0	12.0	VCP	Mult Crack(11'-27'), Long. Crack(18'-27'), Lt MD at joints T/O	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2451	NS59-6-4NW	NS59-6-4NNW	17.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2452	NS59-6-4	NS59-6-4NW	57.0	12.0	RCP	Long. Fracture(5'), Mult Crack(13', 38'), Long. Crack(33'-57'), Lt MD at joints T/O	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2453	NS59-6-3W	NS59-6-3NW	50.0	12.0	VCP		Dig Mainline	6.4				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2454	NS59-6-3A	NS59-6-3W	53.0	12.0	VCP	Mult Cracks T/O, Long. Crack(39'), Med OS joint(46'), Lt MD at joint(5')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2458	NS59-6-1BSSW	NS59-6-1B	16.0	12.0	VC	Lt MD at joints T/O, Survey abandoned(16')--Mineral Deposits	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2459	NS59-6-1BSW	Blind Tap	6.0	12.0	VCP	Mult Crack(5')	None	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2460	NS59-8-7	NS59-8-6	94.0	12.0	VCP	Line in fair condition, Lt MD (0' - 4'), Lt MD cut (4' - 6'), Multiple Cracks (11.2'), MWL (20', 54')		2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -			
SW2461	NS59-8-5	NS59-8-5S	47.0	12.0	VCP	Mult Crack(8', 22'-47'), Med OS joint(11', 22'), Long. Crack(23', 35'), Lt MD at joints T/O, Tap Root(36', 40', 42')	None	4.4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -			
SW2462	NS59-8-4	NS59-8-4S	23.0	12.0	VCP	Long. Cracks(8', 11', 14', 17'), Mult Crack(14'), Lt MD at joint(14')	None	4.2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -			
SW2463	NS59-8-3	NS59-8-3S	44.0	12.0	VCP	Mult Crack(5'-44'), Med OS joint(11', 22', 40'), Long. Crack(15'), Lt MD at joints T/O	None	5.2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -			
SW2464	NS59-8-3	NS59-8-3N	26.0	12.0	VCP	Mult Crack T/O, Long. Fracture(23'), Long. Crack(24'), Hole with soil visible(25'), Survey abandoned(26')--Broken and collapse	Dig Mainline	8				\$ -								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2465	NS59-8-2	NS59-8-2S	7.0	12.0	VCP	Large OS joint(5'), Wall missing(5'), Survey abandoned(7')-- Large Offset	Dig Mainline	7				\$ -								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2466	NS59-8-1	NS59-8-1NE	8.0	12.0	VCP	No defects observed	None	2				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW2467	NS59-8	NS59-8NE	47.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6				\$ -								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2468	NS59-8SE	Blind Tap	30.0	12.0	VCP	Med OS joint(15', 21', 24'), Mult Crack(24', 29'), Lt Roots at joint(12')	None	3.6				\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -		
SW2470	NS59-6-4	NS59-6-4NE	11.0	6.0	PVC	No defects observed	None	2				\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -		
SW2471	NS59-6ASW	NS59-6ASSW	35.0	12.0	RCP	Long. Crack(7', 14'-35'), Lt MD at joint(7')	None	5				\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -		
SW2472	NS59-6-13W	NS59-6-13	55.0	12.0	RCP	Long. Crack(10'-55')	None	4				\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2473	NS59-6-13	NS59-6-13SW	15.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2474	NS59-6-13NW	BLIND TAP	34.0	12.0	RCP	Long. Crack(6'-34'), Hinge Fracture(27')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2475	NS59-6-13	NS59-6-13N	55.0	12.0	RCP	Med OS joint(34'), Lt MD at joints(9', 28', 31')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2476	NS59-6-16	NS59-6-16SW	72.0	12.0	RCP	Long. Cracks(23', 24', 55', 57', 64'), Pipe reduces to 10"(71')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2477	NS59-6-15	NS59-6-15W	52.0	12.0	RCP	Long. Crack(6'), Spiral Crack(38', 49'), Lt MD at joints(14', 17', 44')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2478	NS59-6-15NW	BLIND TAP	34.0	12.0	RCP	Med OS joint(7', 12'), Lt MD at joints(18'-30')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2479	NS59-6-15	NS59-6-15N	53.0	12.0	RCP	Med OS joints(34', 43', 48'), Lt MD at joints(8'-19')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2481	NS59-8-0	NS59-8-0SE	30.0	10.0	RCP	Long. Crack(22'), Lt MD at joint(20')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2483	NS-13-19-2A	NS6-13-19-2	146.0	12.0	VCP	Mult Cracks T/O	FCIPP	6	146		2	\$ 9,760.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,760.00	
SW2484	NS6-13-17-2AN	NS6-13-17-2	124.0	10.0	VCP	Mult Crack(2'-66')	FCIPP	6	124			\$ 5,580.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,580.00	
SW2485	NS6-13-15-2A	NS6-13-15-2	150.0	12.0	VCP	Mult Crack(10'), Long. Crack(119')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2486	NS6-13-13-2A	NS6-13-13-2	152.0	12.0	VCP	Mult Cracks(21', 37', 41', 48'-124'), Long. Fracture(44', 136', 140')	FCIPP	6	152		2	\$ 10,120.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,120.00	
SW2487	NS6-13-11-2S	NS6-13-11-2	149.0	12.0	VCP	Long. Crack(9', 38', 58', 64', 67'), Mult Crack(11', 15', 54', 60', 71', 143'), Lt Roots at joints T/O	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2488	NS6-13-9-2A	NS6-13-9-2	157.0	10.0	VCP	Long. Crack(14', 28', 91'), Mult Crack(101', 105'), Hole(157')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2489	NS6-24	NS6-24WSW	81.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2490	NS6-13-8A	NS6-13-8ANW	89.0	12.0	VCP	Long. Cracks T/O, Hinge Fracture(14', 20), Mult crack(18', 36'), Broken(34', 79'), Gas service thru main(34', 79')	FCIPP	7.5	89			\$ 5,340.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,340.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2491	NS6-13-8A	NS6-13-8AE	27.0	12.0	RCP	Med OS joint(16'), Long. Crack(24', 26')	None	4.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2492	NS6-13-8A	NS6-13-8AW	84.0	12.0	VCP	Long. Fracture(15'), Hinge Fracture(17', 20', 22', 27', 31', 48'), Lt Roots at joints(61'-76')	FCIPP	9.75	84		\$ 5,040.00										\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,040.00		
SW2495	NS6-13-26B	NS6-13-26BSE	10.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2496	NS6-13-26B	NS6-13-26BSW	30.0	10.0	RCP	Med OS joint(17', 23'), Long. Crack(28')	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2497	NS6-13-26B	NS6-13-26BN	39.0	10.0	RCP	Mult Crack(16')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2498	NS6-13-26BNW	BLIND TAP	44.0	10.0	RCP	Sag(20')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2499	NS6-13-19-2A	NS6-13-19-2ANW	42.0	10.0	RCP	Med OS joint(14', 29'), Lt Roots at joints(38', 41')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2500	NS6-13-19-2ANE	Blind Tap	28.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2501	NS6-13-19-2A	NS6-13-19-2AW	31.0	12.0	RCP	Long. Crack(18'-31'), Lt Roots at joints(14', 20', 26')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2502	NS6-13-18NE	Blind Tap	3.0	10.0	RCP	Survey abandoned(3')--Roots	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2503	NS6-13-18	NS6-13-18SE	105.0	10.0	RCP	Spiral Fracture(101'), Lt Roots at joints(65', 74', 76', 79')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2504	NS6-13-17-2ASW	BLIND TAP	45.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2505	NS6-13-17-2AS	NS6-13-17-2A	38.0	10.0	RCP	Lt Roots at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2507	NS6-13-15-2A	NS6-13-15-2ANW	27.0	10.0	RCP	Med OS joint(14', 20'), Lt MD at joints(8', 17')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2508	NS6-13-15-2ASW	BLIND TAP	45.0	10.0	RCP	Lt MD at joints(7')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2509	NS6-13-15-2A	NS6-13-15-2AS	40.0	10.0	VCP	Med OS joint(17', 20'), Lt MD at joints(8', 14', 26', 29')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2510	NS6-13-14	NS6-13-14E	33.0	10.0	RCP	Lt MD at joints(12', 16')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2511	NS6-13-14	NS6-13-14NE	37.0	10.0	RCP	Med OS joint(19', 28')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2512	NS6-13-13-2A	NS6-13-13-2AW	41.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2513	NS6-13-13-2ASW	BLIND TAP	45.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2514	NS6-13-13-2A	NS6-13-13-2AS	40.0	10.0	RCP	Med OS joint(27', 37'), Lt Roots at joints(21', 33')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2515	NS6-13-12	NS6-13-12E	31.0	10.0	RCP	Med OS joint(17')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2516	NS6-13-12	NS6-13-12NE	35.0	10.0	RCP	Med OS joint(29')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2517	NS6-13-11-2S	NS6-13-11-2SW	58.0	12.0	VCP	Long. And mult Cracks T/O, Lt Roots at joints(31', 34', 40', 42')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2518	NS6-13-11-2S	NS6-13-11-2SSW	65.0	10.0	VCP	Long. Crack(18', 42'), Mult Crack(56', 60'), Lt Roots at joints(59', 62')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2520	NS6-13-8	NS6-13-8SW	26.0	10.0	RCP	Mult Crack(9')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2521	NS6-13-10	NS6-13-10NW	28.0	10.0	RCP	Debris(25')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2522	NS6-13-10	NS6-13-10SW	25.0	10.0	RCP	Debris(12', 18')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2523	NS6-13-9-2A	NS6-13-9-2ASW	55.0	10.0	RCP	Med OS joint(8', 14', 54')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2524	NS6-13-9-2ASE	BLIND TAP	35.0	10.0	VCP	Long. Crack(16', 21')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2525	NS6-13-9-2A	NS6-13-9-2AE	21.0	10.0	RCP	Long. Crack(7'), Med OS joint(14')	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2526	NS6-13-9-2A	NS6-13-9-2AW	24.0	12.0	VCP	Long. Crack(8', 22'), Med OS joint(10', 14'), Mult Crack(23')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2527	NS6-13-11-5NW	NS6-13-11-5	155.0	12.0	RCP	Long. Crack(5'-22', 63', 67', 73', 83'), Long. Fracture(9'), Hinge Fracture(91', 94'-155'), Deformed(100', 106', 109', 141'), Lt MD at joints(0'-88'), Hvy Roots at joints(114'-150')	FCIPP	6.4	155			\$ 9,300.00										\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,300.00	
SW2530	NS6-13-16E	Blind Tap	15.0	10.0	RCP	Med OS joint(8'), Spiral crack(14')	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2531	NS6-13-16NE	Blind Tap	31.0	10.0	RCP	Med OS joint(7'), Lt Roots at joints(7', 28', 29')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2532	NS48-8	NS48-8S	48.0	12.0	RCP	Rebar visible(9'), Lt MD at joints(19'-41')	Dig Mainline	7.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2533	NS6-13-9-2-1	NS6-13-9-2-1S	7.0	12.0	VCP	Long. And mult crack(5')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2534	NS6-13-9-2-1	NS6-13-9-2-1SW	21.0	12.0	RCP	Lt roots at joints(10')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2535	NS6-13-9-2-1	NS6-13-9-2NNW	76.0	12.0	VCP	Long. Cracks 10', 29', 33'-36', 38'), Lt MD at select joints T/O	None	5.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2536	NS6-13-9-2-1	Bulkhead (NW)	60.0	12.0	VCP	Long. Crack(6', 8'), Hinge Fracture(33'), Gas line thru main(37'), Lt Roots at joints(43'-53'), Line ends at bulkhead(60')	Dig Mainline (34'-40')	7.5				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2537	NS6-13-20	NS6-13-20NE	25.0	10.0	RCP	Med OS joint(8'), Long. Crack(10', 17')	None	3.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2538	NS6-13-20	NS6-13-20E	19.0	10.0	RCP	Long. Crack(7'), Med OS joint(11')	None	3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2539	NS6-13-6-6B-1W	NS6-13-6-6B-1NW	29.0	12.0	RCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2540	NS6-15-2A	NS6-15-2	147.0	12.0	RCP	UNIDENTIFIED (LIKELY WATER) LINE THROUGH SEWER @ 6'; MISSING WALL/HOLE SOIL VISIBLE @ 6'; MAT CHANGE @ 10' (10" PVC), 20' (VCP); DEFECTIVE TAPS @ 34' (3 & 9'); LONG CRACKS THROUGHOUT; HINGE FRACTURE (4) @ 100'-107', 135'-138'	Dig Mainline (0'-36') FCIPP	10	147			\$ 8,820.00										\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 17,320.00
SW2541	NS6-18-2AS	NS6-18-2A	8.0	12.0	RCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2542	NS6-18-2A	NS6-18-2	110.0	12.0	VCP		FCIPP	7	110			\$ 6,600.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,600.00		
SW2543	NS6-17-3AN	BLIND TAP	3.0	12.0	VCP		None	2				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2544	NS6-15-4A	NS6-15-4	148.0	12.0	VCP		FCIPP	6	148			\$ 8,880.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,880.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2545	NS6-13-5A	NS6-13-5	132.0	12.0	VCP	Long. And Mult Cracks T/O, Hinge Fracture(80', 82'-100', 112'), Broken with hole(130'), Lt MD at joints T/O	Dig Mainline (129'-132') FCIPP	8.75	132			\$ 7,920.00									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 16,420.00
SW2549	NS6-16-2A	NS6-16-2ASW	53.0	10.0	VCP	POSSIBLE PATCH REPAIR @ 6'; HINGE FRACTURE (4) @ 12'-27'; MULT CRACKS THROUGHOUT; DEFORMATION @ 13'	Dig Mainline	8				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2550	NS6-16-2A	NS6-16-2ANW	29.0	10.0	RCP	HEAVY ROOTS @ 29', MSA DUE TO ROOTS. REVERSAL: LARGE DEPOSIT @ 16', MSA DUE TO DEPOSIT. LINE NOT COMPLETED	ATTEMPT TO REMOVE DEPOSIT TO COMPLETE TELEVISING	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2551	NS6-16-2A	NS6-16-2	156.0	12.0	VCP	BROKEN/MISSING WALL @ 5'; HINGE FRACTURING @ 5'-40', 100'-END OF LINE; ALIGNMENT LEFT @ 10', 148'; ALIGNMENT RIGHT @ 34', 123'; MULT CRACKS THROUGHOUT	DIG UP AND REPLACE 0'-10'; INSTALL MANHOLES AT EACH OF THE 4 ALIGNMENT CHANGES, THEN FCIPP	7.5	156			\$ 9,360.00									\$ -	2	\$ 12,000.00	1	\$ 8,500.00		\$ -	\$ 29,860.00
SW2555	NS6-15-2AN	NS6-15-2ANE	25.0	12.0	VCP	MULT CRACKS THROUGHOUT; TRAP AT CB	NONE	6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW2556	NS6-14-3A	NS6-14-3ASW	63.0	12.0	VCP	MULT CRACKS THROUGHOUT; HINGE FRACTURES @ 15'-21'; BROKEN/DEFORMED @ 17'	Dig Mainline	10				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2557	NS6-14-3A	NS6-14-3AW	50.0	12.0	VCP	MULT CRACKS THROUGHOUT; TAP ROOTS @ 41', 43'; ALIGNMENT UP/LEFT @ 45'; HEAVY ROOTS @ 49'; CAMERA CANNOT PASS	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2563	NS6-13-3B	NS6-13-BNW	66.0	12.0	VCP	Long. Crack(7', 10', 17', 27', 32', 43'), Hinge Fracture(11'), Lt MD at joints T/O	None	5.5				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW2564	NS6-13-3B	NS6-13-BW	41.0	12.0	VCP	Hinge Fracture(18'), Long. Crack(22'), Lt Roots at joints(29', 30'-41'), Survey abandoned(41')-Heavy Roots	Dig Mainline	8.75				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2565	NS6-24	NS6-24SE	21.0	12.0	VCP		Dig Mainline	3.75				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2566	NS6-24SW	Blind Tap	10.0	12.0	RCP		None	2				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW2567	NS6-22A	NS6-22AE	13.0	12.0	RCP		Dig Mainline	4.5				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2568	NS6-20NE	Blind Tap	22.0	6.0	VCP		None	1.5				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW2569	NS6-18-2ASW	NS6-18-2AS	20.0	12.0	RCP		None	4				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW2570	NS6-18-2B	NS6-18-2A	39.0	12.0	RCP		None	4				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW2571	NS6-17-3A	NS6-17-3ASW	53.0	12.0	VCP		None	4.4				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW2572	NS6-17-3A	NS6-17-3AW	51.0	12.0	VCP		Dig Mainline	6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2573	NS6-17-3ASE	Blind Tap	27.0	12.0	VCP		None	4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2574	NS6-17-3A	NS6-17-3ANE	12.0	12.0	VCP		None	2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2575	NS6-17-3ANNW	Blind Tap	23.0	12.0	VCP		Dig Mainline	6				\$ -								\$ -	1	\$ 6,000.00	1	\$ 8,500.00		\$ -	\$ 14,500.00
SW2576	NS6-16-4ANW	BLIND TAP	25.0	12.0	VCP		None	5.4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2577	NS6-16-4ANNE	Blind Tap	1.0	12.0	VCP		None	2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2578	NS6-16-4A	NS6-16-4ASW	66.0	12.0	VCP	Utility thru sewer(49')	Dig Mainline (46'-52') FCIPP	6	66			\$ 3,960.00									\$ -	1	\$ 8,500.00		\$ -	\$ 12,460.00	
SW2579	NS6-16-4A	NS6-16-4AW	56.0	12.0	VCP		Dig Mainline	8				\$ -								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2580	NS6-16-4ASE	NS6-16-4A	34.0	12.0	RCP		None	2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2581	NS6-16-4A	NS6-16-4AE	24.0	12.0	RCP		None	2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2582	NS6-16-4A	NS6-16-4	152.0	12.0	VCP	Line in good condition		1.5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2583	NS6-15-4ANNW	BLIND TAP	25.0	12.0	VCP		None	4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2584	NS6-15-4ANNE	BLIND TAP	3.0	12.0	VCP		None	2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2585	NS6-15-4A	NS6-15-4ASE	10.0	10.0	PVC		None	2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2586	NS6-15-4A	NS6-15-4AE	15.0	12.0	RCP		None	2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		
SW2587	NS6-14-5A	NS6-14-5ASW	55.0	12.0	VCP		None	5.4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2588	NS6-14-5A	NS6-14-5AW	52.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2589	NS6-14-5ASE	BLIND TAP	28.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2590	NS6-14-5A	NS6-14-5AE	11.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2591	NS6-14-5ANW	BLIND TAP	26.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2592	NS6-14-5AN	BLIND TAP	3.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2593	NS6-15-5A	NS6-14-5	152.0	12.0	CIPP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2594	NS6-13-6-BNW	BLIND TAP	2.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2595	NS6-13-6-BNW	NS6-13-6-6B	89.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2596	NS6-13-6-5ANE	NS6-13-6-5A	22.0	10.0	RCP		None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2597	NS6-13-6-5A	NS6-13-6-5AE	6.0	10.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2598	NS6-13-6-4A	NS6-13-6-4ANW	13.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2599	NS6-13-6-4A	NS6-13-6-4ASW	16.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2600	NS6-13-6-3A	NS6-13-6-3ANW	20.0	12.0	VCP		None	3.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2601	NS6-13-6-3BE	NS6-13-6-3BNE	30.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2602	NS6-13-6-3BE	Blind Tap	91.0	12.0	VCP		Build MH (91') FCIPP	6	91			\$ 5,460.00									\$ -	1	\$ 6,000.00		\$ -	\$ -	\$ 11,460.00	
SW2603	NS6-13-6-3A	NS6-13-6-3AW	9.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2604	NS6-13-6-2A	NS6-13-6-2ASE	28.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2605	NS6-13-6-2A	NS6-13-6-2ANE	29.0	12.0	RCP		None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2606	NS6-13-6-1ASE	NS6-13-6-1A	11.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2607	NS6-13-6-1A	NS6-13-6-1ANE	22.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2608	NS6-13-5BNW	Blind Tap	26.0	12.0	VCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2609	NS6-13-5B	NS6-13-5BSW	61.0	12.0	VCP		FCIPP	7	61			\$ 3,660.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,660.00	
SW2610	NS6-13-5B	NS6-13-5BW	55.0	12.0	VCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2611	NS6-13-5BSE	Blind Tap	21.0	10.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2612	NS6-13-5B	NS6-13-5BNE	10.0	10.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2613	NS6-13-5B	NS6-13-5	175.0	12.0	VCP		FCIPP	8	175			\$ 10,500.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,500.00	
SW2614	NS6-13-8ANE	Blind Tap	39.0	12.0	VCP	Lt H2S damage in areas of RCP pipe	None	7.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2615	NS6-13-6-3NW	BLIND TAP	14.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2616	NS6-13-6-2SW	BLIND TAP	13.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2617	NS6-13-6-1NW	BLIND TAP	11.0	12.0	RCP	Lt MD at joint(7')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2618	NS6-13-8	NS6-13-8SE	22.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2619	EH-32-18S	EH-32-18	10.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2620	EH-32-19W	EH-32-19	51.0	8.0	CI		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2621	EH-32-19WNW	EH-32-19W	29.0	8.0	CI		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2622	EH-32-19N	EH-32-19	51.0	8.0	CI		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2623	EH-32-19NW	EH-32-19N	23.0	8.0	CI		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2624	EH-32-17S	BLIND TAP	42.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2625	EH-32-17N	BLIND TAP	47.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2626	EH-32-18N	EH-32-18	23.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2627	EH-32-16	EH-32-15	19.0	18.0	RCP		None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2628	EH-32-17	EH-32-16	126.0	18.0	RCP		None	2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2629	EH-32-18	EH-32-17	282.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2630	EH-32-19	EH-32-18	274.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2631	EH-32-15	EH-32-1	232.0	42.0	RCP	Circ. Crack(58', 185'), Long. Crack(149', 172'), Lt MD at joints T/O	None	5.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2633-1	EH-32-14.5	EH-32-15	215.0	42.0	RCP	Long. Crack(16'), Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2635	NS6-13-5A	NS6-13-5AW	52.0	12.0	PVC	Survey abandoned(15')--Rocks, Reverse--Hole with void(36'), Survey abandoned(37')--Broken	Dig Mainline - sent to city	12.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2636	NS6-13-5A	NS6-13-5AE	29.0	12.0	VCP	Missing mortar(8'), Med OS joint(12'), Lt MD at joints(16', 19')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2637	NS6-13-5A	NS6-13-5ANW	68.0	12.0	VCP	Long. Crack(14', 20', 26', 50', 54'), Hinge Fracture(28'), Lt MD at select joints T/O	None	5.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2638	NS6-13-5ANE	Blind Tap	42.0	12.0	RCP	Large Angular Joint(7'), Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2639	NS6-13-6-1-1NNW	East	1.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2640	NS6-13-6-1-1N	BLIND TAP	2.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2641	NS6-13-5BN	Blind Tap	3.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2643	EH-32-15-1	EH-32-15NE	47.0	12.0	RCP	Circ. Crack(30', 39')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2644	EH-32-15-1	EH-32-15S	30.0	12.0	RCP	Rebar projecting(21'-30')	None	6.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2655	NS6-15-2A	NS6-15-2ANE	62.0	12.0	PVC	MAT CHANGE @ 12' (VCP); MULT CRACKS @ 13'-24'; MAT CHANGE @ 24' (PVC), 42' (VCP); HINGE FRACTURES @ 43'-57'; MAT CHANGE @ 57' (RCP)		6				\$ -										\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2657	NS6-14-3A	NS6-14-3	152.0	12.0	CIPP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2662	NS6-14-1A	NS6-14-1	51.0	12.0	VCP	Line in fair condition, H (9, 37)		7.5				\$ -	2								\$ 6,200.00	\$ -	\$ -	\$ -	\$ -	\$ 6,200.00		
SW2666	NS6-13-1A	NS6-13-1	154.0	12.0	VCP			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2667	NS6-13-1B	NS6-13-1BNW	65.0	12.0	VCP	Hinge Fracture 6'-12', 18'-22', 35'-39', Long. Crack(23', 27', 33'), Large OS joint(52'), Pipe size reduces to 10"(52')	Dig Mainline (52'-65') FCIPP	7.75	65			\$ 3,900.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 12,400.00	
SW2668	NS6-13-1B	NS6-13-1BW	52.0	12.0	VCP	Long. Crack(10', 20', 22', 33', 43', 45'), Hinge Fracture(14'-18', 24'-30'), Mult Crack(35', 37', 41'), Lt MD at select joints T/O	Dig Mainline	7.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2673	NS6-13-3A	NS6-13-3	156.0	12.0	VCP	Line in fair condition, B (14), CM(133-151), Unmarked MH found, new header not started.		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2674	NS6-13-3-1	NS6-13-3	132.0	12.0	VCP	Line in fair condition, B (47), CL (21-98)		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2675	B17-1-2	B17-1-3	62.0	15.0	RCP	Long. Crack(7', 31'), Lt MD at joint(19')	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2677	EH-32-3	EH-32-2	117.1	12.0	RCP	MWLS @ 88'; DAE @ 55'	NONE	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW2678	B17-5-1	B17-4	105.0	15.0	RCP	Spiral Crack(47'), Med Infiltration at joint(24', 47'), Lt MD at joints T/O	None	4.2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2679	EH-32-9	EH-32-8	495.0	42.0	RCP	Long. Crack(201', 333', 467'), Infiltration stains at joints T/O	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2680	EH-32-10	EH-32-9	408.0	42.0	RCP	Long. Crack(166'), Lt MD at joints T/O	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2681	EH-32-11	EH-32-10	408.0	42.0	RCP	Long. Crack(165', 189', 245', 302', 362'), Lt MD at joints T/O	None	6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2682	EH-32-12	EH-32-11	412.0	42.0	RCP	Long. Crack(9', 49'), Lt MD, Lt Infiltration and Intruding sealing rings present T/O	None	6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2683	EH-32-13	EH-32-12	403.0	42.0	RCP	Long. Crack(41', 298'), Lt MD and Lt Infiltration at majority of joints T/O	None	6.9				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2684	CB	EH-32-13	240.0	42.0	RCP	Long. Crack(75'), Lt MD and Lt infiltration at joints T/O	None	6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2685	B20-1	B20-2	184.0	18.0	RCP	Mult Fracture(32', 105'), Wall missing(122'), Long. Crack(137', 145', 162'), Lt MD at joints T/O	FCIPP	6.72	184		1	\$ 14,300.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	14,300.00	
SW2688	B21-6	B21-7	250.0	12.0	RCP	Med OS joints T/O, Lt H2S damage(46', 112'-250'), Hole(123'), Survey abandoned(250')--End of day	None	6.25				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2689	B21-6	B21-5	41.4	12.0	VCP	FM/B/D @ 6'-13'; HVV @ 13'; JOM @ 37'; ID @ 9'. SURVEY ENDS 6' FROM MH DUE TO LR @ 41.4'	DIG UP AND REPLACE 0'-16'	11.25				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2691	B19-3	B5-11-7	287.0	12.0	VCP	Mult Crack(7'-16'), Long. Crack(55', 61', 104', 137', 152', 185', 218', 237', 258', 275'), Lt MD at joints T/O	None	3.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2692	B17-3	B17-2	279.0	24.0	RCP	Long. Crack(188'), Lt MD at joints T/O	None	4.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2693	B19-2	B19-1	357.0	24.0	RCP	T/O Spiral Crack(33'), Lt MD at joints t	None	4.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2694	B21-2	B21-1	211.0	24.0	RCP	Long. Crack(99', 106'), Rebar projecting(167'), Lt MD at joints T/O	None	6.44				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2695	B21-3	B21-2	116.0	24.0	RCP	Lt MD at joints T/O	None	2.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2696	B17-4	B17-3	315.0	21.0	RCP	Long. Crack(30', 46', 87', 144, 257', 268'), Spiral Crack(40'), Circ. Crack(55'), Spiral Fracture(112', 209'), Lt MD at select joints T/O	None	4.2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2697	B19-3	B19-2	388.0	21.0	RCP	Long. Cracks T/O, Spiral Cracks and Fractures(17', 65', 97', 121', 170', 274', 354'), Lt MD at joints T/O	None	5.04				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2698	B21-4	B21-3	365.0	18.0	RCP	Circ. Crack(3', 4'), Long. Cracks T/O, Hinge Fracture(50', 265', 299'), Lt MD and Lt Infiltration at joints T/O	None	5.98				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2699	B21-5	B21-4	68.0	18.0	RCP	Sag(2'), Rebar projecting(34', 42', 58'), Long. Crack(48', 55', 60'), Lt MD at joints(10', 27', 51', 64')	None	6.24				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2700	B17-1-4	B17-1-3	87.0	15.0	RCP	Lt MD at joint(9'), Rocks(20', 38'), Survey abandoned(39')-- Heavy Debris, Reverse--Lt MD at joints T/O, Survey abandoned(48')--Obstacle	None	2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2703	B19-1	B19	45.0	24.0	RCP	Large Angular joint(38'), Lt MD at joints T/O	None	5.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2705	B19-0-1	B19-0	131.0	18.0	RCP	Med OS joint(9'), Lt MD at joints T/O	None	2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2706	B19-0	B19	72.0	18.0	RCP	Med Infiltration at joints(20', 53'), Lt MD at joints(53', 57', 61', 65')	None	2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2707	B20	B20-1	151.0	18.0	RCP	Long. Cracks(11', 29'), Sprial crack(21'), Circ. Crack(65', 106'), Lt MD at select joints T/O	None	3.57				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2708	B17-1-2	B17-1	255.0	18.0	RCP	MH B17-1-1 does not exist, Rebar visible(43', 212'), Long. Crack(71'), Lt MD at joints T/O	FCIPP	6.93	255			\$ 19,125.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	19,125.00	
SW2709	B14-4	B14-3	393.0	15.0	RCP	Lt MD and Lt Infiltration at select joints T/O	None	2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2710	B14-3WSW	B14-3N	26.0	12.0	RCP	Wall Missing(7')		10				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2711	B14-3	B14-3N	12.0	6.0	RCP	Long. Crack(7', 9'), Mult Crack(9'), Size reductino to 4"(9')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2719	B19NE	B19NW	28.0	12.0	RCP	Sag(5'), Alignment up(7')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2720	B19	B19NE	58.0	12.0	RCP	Med Separated joint(7'), Sag(7'), Long. Crack(34'), Backflow preventer(55')	None	3.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2721	B19-1SW	B19-1NW	27.0	12.0	RCP	Sprial Fracture(13'), Circ. Fracture(20'), Lt Roots at joint(13')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2722	B19-1	B19-1SW	34.0	12.0	RCP	Mult Fracture(14'), Size reduction to 4"(30")	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2723	B19SE	B19SW	27.0	12.0	RCP	Long. Crack(12')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2724	B19	B19SE	20.0	12.0	RCP	Sag(5'), Spiral Crack(6'), Med OS joint(15'), Lt MD at joint(12'), Backflow preventer(16')	None	3.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2726	NS6-12SW	NS6-12	34.0	12.0	VCP	Long. Crack(22'), Mult crack(33'), Lt Roots at joints(7')	None	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2727	NS6-11-4A	NS6-11-4AS	41.0	10.0	RCP	Med OS joint T/O, Lt MD at joints(29', 38', 39'), Survey abandoned(41')--Mineral Deposit	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2728	NS6-13-1B	NS6-13-1BNE	48.0	12.0	RCP	Med Separated joint(8'), Med OS joints(11', 14', 17', 20'-48'), Long. Crack(11'), Lt MD at joints(26'-42')	None	3.25				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2729	NS6-13-1B	NS6-13-1BE	27.0	12.0	RCP	Lt MD at joints T/O	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2733	NS6-18	NS6-17A	211.0	36.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2738	E19-3	B19-3SE	14.0	12.0	RCP	Long. Crack(12')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2739	B19-3	B19-3NE	20.0	12.0	RCP	Mortar missing and Long. Crack(9', 12'), Size reduction to 4"(16")	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2747	B12-1	B12	29.0	42.0	RCP	Lt MD at joints(17', 25')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2748	B12-2	B12-1	292.0	30.0	RCP	Lt Roots and Lt MD at select joints T/O	None	2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2749	B9-5	B9-6	403.0	12.0	RCP	Long. Crack(32', 38', 87'), Circ. Crack(33'), Lt MD at joints T/O, Survey abandoned(329')--Protruding tap, Reverse--Lt MD at joints T/O, Survey abandoned(74')--reverse complete	None	4.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2750	B9-5	B9-5-1	200.0	12.0	RCP	Lt MD at joints T/O	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2756	B11-4	B11-3	58.0	12.0	RCP	Lt MD at joints T/O, Survey abandoned(58')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2757	B4-2-2	B4-2-3	287.0	24.0	RCP	Large OS joint(5', 247'), Lt Roots at joints(50'-212')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2758	B9-4	B9-3	341.0	24.0	RCP	Long. Crack(98', 145'), Wall Missing(138'), Spiral Crack(332'), Lt MD at joints T/O	None	7.84				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2759	B9-3	B9-2	303.0	24.0	RCP	Long. Crack(136'), Lt MD at joints T/O	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2760	B9-2	B9-1	32.0	24.0	RCP	Long. Crack(27'), Lt MD at joints(8', 15')	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2761	B9-1	B9	8.0	24.0	RCP	Lt MD at joint(3'), Repair(4')	None	2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2762	B11-0	B11	47.0	24.0	RCP	Long. Crack(16'), Lt MD at joints(43')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2763	B11-0-2	B11-0-1	292.0	24.0	RCP	Spiral Fracture(65', 122'), Long. Crack(173'), Lt MD at joints T/O	None	6.21				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2764	B11-0-1	B11-0	260.0	24.0	RCP	Long. Crack(74', 178'), Spiral Fracture(105', 251'), Lt MD at select joints T/O	None	5.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2765	B11-1	B11-2	372.0	24.0	RCP	Long. Crack(88', 96', 152'), Spiral Crack(307'), Lt MD at select joints T/O	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2766	B11-1	B11	30.0	24.0	RCP	Lt MD at joint(26')	None	2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2767	B14-1	B14	24.0	24.0	RCP	Joint angular(8', 16'), Sag(13')	None	5.29				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2768	B12-3	B12-2	274.0	24.0	RCP	Lt MD at joints T/O, Lt Infiltration at joints(70', 94')	None	2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2769	B4-2-3	B9-1-3	103.0	18.0	RCP	Spiral Crack(22'), Large OS joint(29'), Med OS joint(34'), Sag(83'), Lt MD at joints(22', 39')	None	3.78				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2770	B9-1-5	B9-1-4	303.0	18.0	RCP	Med Angular Jont(18'), Lt H2S damage(114', 146), Lt Roots at select joints T/O	None	4.83				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2771	B9-1-4	B9-1-3	282.0	18.0	RCP	Med OS joint(17', 22'), Sag(18'), Rebar visible(35', 63', 108')	None	5.04				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2772	B9-1-2	B9-1-3	34.0	18.0	RCP	Long. Crack(11', 21')	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2773	B9-1-2	B9-1-1A	157.0	18.0	RCP	Spiral Crack(82'), Long. Crack(98'), large OS joint(146'), Lt MD at joint(115')	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2774	B9-1-1	B9-1	31.0	18.0	RCP	Med Angular Joint(8'), Surface missing(12', 28')	Dig Mainline	9.62				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2775	B7-9	B7-9A	301.0	18.0	RCP	Long. Cracks(9', 96', 113', 147', 171'), Lt MD at joints(194'-291')	None	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2776	B12-5	B12-4	183.0	24.0	RCP	Lt MD at joints T/O	None	2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2777	B12-4	B12-3	312.0	24.0	RCP	Long. Crack(154'), Spiral Crack(310'), Lt MD at joints T/O	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2778	B11-3	B11-2	324.0	18.0	RCP	Long. Crack(87', 153', 210'), Circ. Crack(145'), Lt MD at joints T/O	None	3.78				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2779	B14-3	B14-1	610.0	18.0	RCP	Long. Crack(17'), Spiral Crack(67'), Lt MD and Lt Roots at select joints T/O, Survey abandoned(577), Reverse-Settled gravel(11'). Survey abandoned(33')-reverse complete	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2780	B12-3-1	B12-3	269.0	18.0	RCP	Long. Crack(72', 258'), Lt MD at joints T/O, Med Infiltration at joints(41', 65', 82', 90', 97', 106)	None	4.2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2781	B7-8	B7-7	214.0	18.0	RCP	Med OS joint(204'), Lt MD at joints T/O	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2782	B9-5	B9-4	345.0	15.0	RCP	Rebar projecting(43', 151'), Long. Crack(122', 230'), Lt MD at joints T/O	None	6.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2784	B5-11	B12-5	183.0	15.0	RCP	Long. Crack(24'), Lt MD at joints T/O	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2785	B7-11	B7-9	406.0	12.0	RCP	Long. Crack(357'), MH B7-10 does not exist, Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2786	B7-13	B7-12	251.0	12.0	RCP	Lt MD at joints T/O	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2787	B7-12	B7-11	189.0	12.0	RCP	Long. Crack(25', 38', 87', 183'), Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2788	B12-3-1E	B12-3-1SE	27.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2789	B12-3-1	B12-3-1E	53.0	10.0	RCP	Lt MD at joints(31', 44'), Size reduction to 4"(48')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2790	B12-3S	B12-3SW	22.0	12.0	RCP	Spiral Crack(8'), Settled deposits(19')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2791	B12-3	B12-3SW	49.0	12.0	RCP	Lon. Crack(5', 7'-33', 37'), Size reduction to 4"(47')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2792	B12-3NW	B12-3W	27.0	12.0	RCP	Long. Crack(7', 12'), Lt Roots at joints(7', 13')	None	4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW2793	B12-3NW	B12-3	93.0	12.0	RCP	Long. Crack(6'-26', 31', 35'-93'), Mult Crack(18'), Spiral Fracture(80'), Med Roots at joints(13')	None	4.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW2794	B12	B12-1NNW	14.0	12.0	RCP	Large separated joint(6'), Hole(6'), Broken(8'), Hole(11')	Dig Mainline	7.2				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2795	B12	B12-1N	25.0	12.0	RCP	Large OS joint(20'), backflow preventer(21')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2796	B14	B14-1SE	17.0	12.0	RCP	Med angular joint(13'), Backflow preventer(15')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2797	B15	B14-1SSW	32.0	12.0	RCP	Med Separated joint(29'), Backflow preventer(30')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2798	B15	B14-1SW	40.0	12.0	RCP	Med OS joint(8', 19'), Lt Roots at joints(25'-37'), Backflow preventer(38')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2799	B14-2SW	B14-2NW	27.0	12.0	RCP	Long. Crack(10'), Lt Roots at joints(7', 20', 24')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2800	B14-2	B14-2NW	32.0	12.0	RCP	Long. Crack(7', 8', 15', 20'), Lt Roots at joint(25'), Backflow preventer(30')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2808	B5-3-SW	B5-3-3S	26.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2809	B9	B5-3-3S	45.0	12.0	RCP	Pipe size reduction to 10"(40')	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2810	B9-2NNW	B9-2WSW	35.0	12.0	RCP	Long. Crack(5', 15', 23', 27'), Spiral Fracture(21')	None	5.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2811	B9-2NNW	B9-2	12.0	12.0	RCP	Mult Crack(5')	Dig Mainline	7.5				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW2812	B9-1N	B9-1-1NNW	28.0	12.0	RCP	Long. Crack(9', 12'), Spiral Crack(22'), Lt MD at joints(6', 16')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2813	B9NE	B9SE	35.0	10.0	RCP	Sag(11'), Long. Crack(19', 28'), Med OS joint(32')	None	5.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW2814	B9-4SW	B9-4SE	32.0	12.0	RCP	Long. Cracks T/O, Mult Crack(11')	None	5.25				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2821	B4-2-3-1	B4-2-3-1N	34.0	12.0	VCP	Sag(16'), Med OS joint(21'), Mult Fracture(30')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2822	B4-2-3-1	B4-2-3-1ESE	40.0	12.0	VCP	Long. Crack(7'), Med OS joint(14'), Sag(18'), Lt Roots at joint(37')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2823	B4-2-3-1NNE	BLIND TAP	38.0	10.0	VCP	Size increase to 12"(6'), Long. Crack(13'), Spiral Crack(34'), Wall missing(35'), Defective point repair(37')	Dig Mainline	6.4				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2824	B4-2-3-1E	BLIND TAP	40.0	12.0	PVC	Med OS joint(26'), Alignment down(36')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2825	B4-3	B4-2	111.0	42.0	RCP	Lt Roots at joints(60', 64', 75'), Survey abandoned(75')--pipe size reduction to 18", Reverse Setup--Sag(18'), Lt MD at joint(8'), Lt Roots at joint(23'), Survey abandoned(36')--pipe size reduction to 18"	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2826	B4-3-1NW	B4-2-1	145.0	10.0	VCP	Alignment left(9'), Point repair(60')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2828	B4-1	B4	85.0	24.0	RCP	Alignment down(36')	None	2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2829	B4-2	B4-1	192.0	42.0	RCP	Settled deposits(26', 43', 87', 139')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2830	B4-2	B4-2-1	447.0	24.0	RCP	Med OS joint(20'), Sag(45', 82', 150'), Lt MD at joints(16', 20'-29'), Lt Roots at joints(129'-447')	None	5.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2832	B7-2	B7-1	316.0	24.0	RCP	Lt MD at joints T/O	None	2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2833	B7-3	B7-2	372.0	24.0	RCP	Lt MD at joints T/O	None	2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2834	B7-4A	B7-3	293.0	21.0	RCP	Lt MD at joints T/O	None	2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2835	B7-5	B7-4	201.0	21.0	RCP	Lt MD at joints T/O	None	2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2836	B7-6	B7-5	103.0	18.0	RCP	Mult. Crack(60'), Long. Crack(69'), Lt MD at joints(11', 19', 85')	10' SCIPP (59'-69')	6.3				\$ - 1									\$ 4,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000.00	
SW2837	B7-7	B7-6	34.0	18.0	RCP	Lt MD at joints(8', 24')	None	2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2838	B4-1	B4-1NNE	150.0	42.0	RCP	Lt Roots at joints T/O, Lt MD at joints(96', 108'), Survey abandoned(150')--Roots	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2839	B4-1NE	B4-1NNE	31.0	15.0	RCP	Long. Crack(19'), Lt MD at joints T/O	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2840	B4-1S	B4-1	57.0	12.0	RCP	Circ. Crack(44')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2843	B7-3	B7-3N	39.0	10.0	RCP	Long. Crck(14', 16', 20', 25', 29')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2845	B7-3NW	B7-3W	29.0	12.0	RCP	Long. Crack(25')	None	4				\$ -	1								\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	
SW2846	B7-1SSE	B7-1SE	40.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2847	B7-1	B7-1SSE	11.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2848	B7-1NE	B7-1NNE	32.0	10.0	RCP	Lt MD at joints(15', 19', 32')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2849	B7	B6NW	132.0	10.0	RCP	Long. Crack(86', 91', 107', 121', 130')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2850	B6NW	B6N	32.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2851	B4-1W	B4-1SW	22.0	10.0	RCP	Long. Crack(17')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2852	B4-1	B4-1W	29.0	10.0	VCP	Survey abandoned(13')-Large OS, Survey abandoned(13')-Hole with soil visible	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2853	B4-3-1N	B4-3-1NW	26.0	10.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2863	NS61-5E	NS61-5	29.0	12.0	VCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2864	NS61-5NE	NS61-5	29.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2867	NS61-5W	NS61-5	49.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2870	NS61-3SW	NS61-3	33.0	12.0	VCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2871	NS61-3S	NS61-3	26.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2872	NS61-3W	NS61-3	51.0	12.0	VCP		None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2873	NS61-3NW	NS61-3	57.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2874	NS61-3NNW	NS61-3	54.0	10.0	VCP		NONE	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2875	NS61-2-2W	NS61-2-2	18.0	12.0	VCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2876	E23-5	E23-5S	9.0	12.0	VCP	Long. Crack(7'), Mult Crack(8')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2877	E23-5	E23-5W	27.0	12.0	VCP	Long. Crack(6', 11', 13'), Mult /Crack(9', 16', 20')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2878	NS59-7A-3	NS59-7A-3W	38.0	12.0	VCP	Long. Crack(8', 10', 20', 22', 28'), Mult Crack(23'), Lt MD at joints T/O	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2879	NS63-8S	NS63-8SW	27.0	12.0	RCP	Long. Crack(17'), Settled deposits(5')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2888	E23-B	E23-BW	39.5	12.0	RCP	JOM @ 12'; DAE @ 24', 27', 30'; LL (VCP ELBOW) @ 33'; SIZE REDUCTION @ 35' TO 8" (PVC)	NONE	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2889	E23-B	E23-BSW		12.0	VCP	H @ 2' (CALLED OUT ON REPORT, NOT ON VIDEO); MSA @ 26' DUE TO COLLAPSE CAUSED BY LINE INTERSECTING SEWER. INFORMATION SENT TO CITY	DIG UP AT 26' TO FIX COLLAPSE	12.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2891	E23-BS	BT-SW2891	21.4	12.0	VCP	LINE BT INTO SEG SW2889, TAP IS NOT VISIBLE DUE TO CAMERA BEING COMPLETELY SUBMERGED (COLLAPSE IN SEG SW2889)	SW2889 NEEDS TO BE REPAIRED BEFORE LINE CAN BE PROPERLY TELEvised	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2892	NS61-8SE	BLIND TAP	24.0	12.0	VCP	Long. Crack(8', 10', 11', 14', 20'), Med OS joint(8'-24'), Lt MD at joints(12', 15')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2893	NS61-8SW	NS61-8	39.0	12.0	VCP	Long. Crack(10', 11', 13', 25'), Large Separated joint(19')	None	6.25				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2894	E23-3NW	E23-3	33.0	12.0	VCP		None	4.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2895	E23-3N	E23-3	38.0	12.0	VCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2896	E23-3SW	E23-3	8.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2897	E23-3S	E23-3	23.0	12.0	VCP		None	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2898	E23-1NW	E23-1W	27.0	12.0	VCP		Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2899	E23-1W	E23-1	41.0	12.0	VCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2900	E23-1E	E23-1	28.0	12.0	VCP		None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2901	E23-1NE	BLIND TAP	26.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2902	NS61-1-10SE	NS61-1-10	12.0	12.0	RCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2903	NS61-1-10SW	NS61-1-10	27.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2904	NS59-6A	NS59-6ASW	55.0	12.0	VCP	Long. Crack(8', 51'), Mult Crack(21', 27', 29'), Lt MD a joints T/O, Backflow preventer(53')	None	6.75				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW2905	NS59-5W	NS59-5	35.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2909	NS61-1-9N	NS61-1-9	108.0	12.0	VCP		Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2910	E23-3NE	E23-3	47.0	12.0	RCP		NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2911	NS-59-6B-B	NS59-6A-A	610.0	12.0	RCP	Line in good condition		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2912	NS61-1-2S	NS61-1-2	31.0	12.0	RCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2913	NS61-1-2SW	NS61-1-2	33.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2914	NS61-1	NS61-1SW	57.9	10.0	PVC/VCP	STARTS AS PVC, THEN MAT CHANGE @ 7' (VCP), 22' (PVC), 31' (VCP); LONG CRACKS @ 10', 19'; MULT CRACKS @ 20'; HOLE VOID VISIBLE/INFIL DRIPPER @ 46'; LARGE OFFSET/INFIL DRIPPER @ 58'	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW2915	NS61-1	NS61-1E	10.8	12.0	RCP	MEDIUM SEPARATED JOINT @ 6'	NONE	2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2916	NS69-8	NS69-8NW	32.0	12.0	VCP		Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2917	NS71-7	NS71-7NE	5.0	12.0	VCP		NONE	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2918	NS71-7	NS71-7W	25.0	12.0	VCP		Dig Mainline	8				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2919	NS71-8S	NS71-8SW	33.0	12.0	PVC		NONE	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2920	NS71-11N	NS71-11	9.0	12.0	VCP		None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2921	NS71-11	NS71-11NW	26.0	12.0	VCP		None	4.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2922	NS74-7	NS74-7S	7.0	12.0	PVC		NONE	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2923	NS74-7	NS74-7SW	28.0	12.0	PVC		NONE	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2924	NS74-6S	NS74-6	19.0	12.0	RCP		None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2925	NS74-6	NS74-6SW	33.0	12.0	VCP		Dig Mainline	5				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2926	NS74-5SE	NS74-5	27.0	12.0	VCP		Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2927	NS74-4S	NS74-4	11.0	12.0	VCP		Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2928	NS74-4	NS74-4SW	26.0	12.0	VCP		Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2929	NS74-3SE	NS74-3	42.0	12.0	VCP		Dig Mainline	10				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2931	NS74-3	NS74-3W	60.0	12.0	VCP	Gas line(32')	Dig Mainline	8				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2932	NS74-3	NS74-3SW	35.0	12.0	VCP	Gas line (34')	Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2933	NS74-3NE	NS74-3	27.0	12.0	PVC		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2934	NS74-3NW	NS74-3	37.0	12.0	PVC		None	4.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2941	NS76-3	NS76-3NE	38.0	12.0	PVC		None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2942	NS76-3	NS76-3NW	45.0	12.0	VCP		None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2943	NS76-3	NS76-3W	50.0	12.0	VCP		None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2944	NS76-6SW	BLIND TAP	32.0	12.0	VCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2945	NS76-8SE	NS76-8	13.0	12.0	VCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2946	NS76-8	NS76-8SW	30.0	12.0	VCP		None	5.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2948	NS76-5W	BLIND TAP	27.0	12.0	VCP		None	4.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2949	NS76-5SW	NS76-5	50.0	12.0	VCP		None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2950	NS71-6	NS71-6W	25.0	12.0	VCP		NONE	3.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2951	NS71-6	NS71-6SW	39.0	12.0	VCP		NONE	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2952	NS74-1	NS74-1SW	51.9	12.0	VCP	MULT CRACKS @ 24', 36', 39'; PVC FROM 26'-28'; ALIGNMENT LEFT @ 31.4'	NONE	5.5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -			
SW2955	NS76-3SW	NS76-3W	27.0	12.0	VCP		None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2956	NS69-7-1NW	NS69-7-1	42.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2957	NS69-7-1N	NS69-7-1	10.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2958	NS76-4SW	NS76-4S	28.0	12.0	PVC		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2959	NS76-4S	NS76-4	18.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2960	NS74-5SW	NS74-5	33.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2961	NS74-5SWW	NS74-5	44.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2962	NS74-5NW	NS74-5	51.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2963	NS74-5NE	NS74-5	49.0	12.0	VCP		None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2964	NS74-5E	NS74-5	38.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2965	NS71-9S	BLIND TAP	2.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2966	NS71-9W	NS71-9	100.0	12.0	VCP		None	2.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2967	NS71-9SE	NS71-9	33.0	12.0	VCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2968	NS71-9E	NS71-9	130.0	12.0	VCP		None	4.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2969	NS76-7SW	NS76-7	48.0	12.0	VCP		None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2970	NS76-7S	NS76-7	80.0	12.0	VCP		None	4.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2971	NS69-9N	NS69-9NNE	12.0	10.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW2972	NS69-9NNE	NS69-9	101.0	12.0	PVC		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW2973	NS69-9NNW	NS69-9NNE	28.0	10.0	VCP		None	5				\$ -									\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	
SW2974	NS68-9SW	BLIND TAP	30.0	12.0	VCP	Hinge and Mult Cracks T/O	Dig Mainline	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW2976	NS68-6	NS68-6N	22.0	12.0	VCP	Med OS joint('14'), Lt Roots at joints('16', '18')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2978	NS68-5	NS68-5SW	36.0	12.0	VCP	Long. Crack('9', '17', '31'), Spiral Fracture('20'), Lt Roots at select joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2979	NS68-4	NS68-4S	25.0	12.0	VCP	Med OS joint('11', '17')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2982	NS68-3	NS68-3N	24.0	12.0	VCP	Long. Crack('10'), Med OS joint('14', '17', '19')	None	3.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2983	NS68-2	NS68-2S	14.0	12.0	VCP	Med OS joint('8')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2984	NS68-2	NS68-2SW	27.0	12.0	VCP	Long. Crack('11'), Hinge crack('15'), Mult crack('15')	Dig Mainline	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW2985	NS68-1S	NS68-1A	11.6	12.0	VCP	MED OFFSET JOINT @ 8'; LARGE OFFSET JOINT/HOLE SOIL VISIBLE @ 10.6'; ALIGNMENT LEFT @ 8'	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW2986	NS68-1SW	BLIND TAP	10.0	12.0	VCP	PIPE THROUGH SEWER @ 10', SURVEY ABANDONED. REVERSAL NOT POSSIBLE AS DOWNSTREAM IS A BLIND TAP	Dig Mainline	12.5				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW2987	NS69-6	NS69-6NW	62.0	12.0	VCP	Large OS joint('1'), Hole('1'), Long. Crack('5', '7', '8', '36', '39'), Mult Crack('10', '41-62'), Hinge Crack('48'), Lt Roots at joints('19-30')	Dig Mainline	7.5				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW2988	NS69-6	NS69-6W	47.0	12.0	VCP	Mult Crack('19'), Med OS joint('24'), Lt Roots at select joints T/O, Size reduces to 10"(33'), Backflow preventer('39')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2989	NS69-5	NS69-5S	21.0	12.0	VCP	Lt MD at joints('6')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2990	NS69-5	NS69-5SW	32.0	12.0	VCP	Long. Crack('7', '19'), Med OS joint('12', '18'), Mult Crack('16'-32')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2991	NS69-4	NS69-4S	22.0	12.0	VCP	Med OS joint('10', '16'), Mult crack('19')	None	4.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW2993	NS69-3	NS69-3N	27.0	12.0	VCP	Long. Crack('7', '13', '14', '15'), Med OS joint('22'), Mult crack('23')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW2994	NS69-3	NS69-3NW	39.0	12.0	VCP	Mult Cracks T/O, Lt MD at select joints T/O	Dig Mainline	7.5				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2995	NS69-2	NS69-2S	14.0	12.0	VCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2996	NS69-2	NS69-2SW	27.0	12.0	VCP	Mult Crack(6'), Med OS joint(21'). Size reduces to 10"(9')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2997	NS67-1SW	NS67-1S	26.1	12.0	VCP	MULT CRACKS THROUGHOUT; OFFSET JOINTS THROUGHOUT	NONE	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2998	NS67-1SW	NS67-1	34.5	12.0	VCP	HINGE FRACTURE (4) @ 6'-10', 20'-23'; MAT CHANGE FROM 10.5'-20.4' (RCP); ROOTS @ 6'	NONE	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW2999	NS67-3-2	NS67-3-2N	28.0	12.0	VCP	Size reduces to 8"(16')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3000	NS67-3-2	NS67-3-2W	6.0	12.0	VCP	Collapse(1')	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3001	NS67-6	NS67-6SW	28.0	12.0	VCP	Med OS joint(15'), Long. Crack(27')Size reduces to 10"(20'-25')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3002	NS67-7NW	Blind Tap	29.0	12.0	RCP	Long. Crack(9', 12', 13'), Hinge Crack(15'-29'), Lt Roots at joints T/O	Dig Mainline	6				\$ -								\$ -	\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3003	NS67-12NW	NS67-12W	26.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3005	NS67-10	NS67-10NE	39.0	12.0	VCP	Mult Cracks T/O, Lt Roots at joints T/O, Size reduces to 4"(36')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3006	NS67-10A	NS67-10AE	10.0	12.0	VCP	Mult crack(7'), Circ crack(8')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3007	NS67-12	NS67-12W	20.0	12.0	VCP	Mult Crack(6'-20'), Lt MD at joints(7'-20'), Size reduced to 4"(17')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3008	NS67-13	NS67-13NE	12.0	12.0	VCP	Mult Cracks T/O, Size reduced to 4"(9')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3010	NS67-8-1A	NS67-8-1ANE	15.0	12.0	VCP	Mult Cracks(7'-15'), Lt MD at joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3011	NS67-8-1A	NS67-8-1AW	17.0	12.0	VCP	Lt MD at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3013	NS69-1W	NS59-1A	13.6	12.0	RCP	MULT CRACKS @ 6'	NONE	7.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3016	NS69-3	NS69-3SE	27.0	12.0	VCP	Med OS joint(7'), Hinge Crack(8'), Mult Crack(11'-27')	Dig Mainline	7.5				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3018	NS68-3	NS68-3W	51.0	12.0	VCP	Long. And Mult cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3019	NS68-3	NS68-3E	30.0	12.0	VCP	Long. Crack(9'), Med OS joint(11', 14'), Spiral Fracture(12', 15')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3021	NS69-6NNW	BLIND TAP	36.0	12.0	VCP	Long. Crack(19', 22'), Med OS joint(30', 33')	None	3.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3022	NS69-6	NS69-6NE	58.0	12.0	VCP	Long. And Mult cracks T/O, Lt MD at joints T/O	None	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3023	NS68-7	NS68-7W	44.0	12.0	VCP	Mult Crack(7'), Long. Crack(8', 19'), Med OS joint(30'), Lt Roots at joints(34', 37', 40')	None	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3024	NS69-6SE	NS69-6SW	27.0	12.0	PVC	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3027	NS68-8	NS68-8NW	30.0	12.0	VCP	Mult Cracks T/O, Long. Crack(12', 14', 16'), Lt MD and Lt Roots T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3029	NS67-3	NS67-3SW	29.0	12.0	VCP	med OS joint(13', 15'), Long Crack(14', 18')	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3030	NS67-3	NS67-3S	23.0	12.0	VCP	Mult Crack(6'), Hinge Crack(7', 9'), Long. Crack(11')	Dig Mainline	6.4				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3032	NS67-3SE	NS67-3	40.0	12.0	VCP		NONE	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3033	NS67-3-1	NS67-3-1NW	15.0	12.0	VCP	MULT CRACKS @ 8'; SPIRAL CRACK @ 10'; ROOTS @ 10'	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3034	NS67-3-1	NS67-3-1NNW	29.0	12.0	VCP	LONG CRACK @ 7'; SPIRAL CRACK @ 9', 22'; MULT CRACKS @ 11'; ALIGNMENT UP @ 24'	NONE	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3035	NS67-4-1	NS67-4-1W	21.0	12.0	VCP	Med OS joint(17'), Mult. Crack(18')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3036	NS67-5	NS67-5SW	107.0	12.0	VCP	Long. Crack(17', 68'), Med OS joint(20', 30', 44', 71', 75')	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW3037	NS67-7SW	NS67-7	55.0	12.0	VCP		Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3038	NS67-9	NS67-9N	27.0	12.0	VCP	Long. Crack(9'), Mult Crack(9', 16', 21'), Lt Roots at joints T/O	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3040	NS67-4-2	NS67-4-2W	11.0	12.0	VCP	Crack Spiral(6'), Med OS joint(6'), Spiral Fracture(7')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3041	NS67-4-2	NS67-4-2N	27.0	12.0	VCP	Long. Crack(10', 11'), Med OS Joint(15', 21'), Mult Crack(22')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3042	NS67-8-1BE	NS67-8-1BSW	63.0	8.0	VCP	Mult Crack(6', 10'-63'), Long. Crack(55', 57'), Lt MD at joints(16'-63')	None	5.2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3043	NS67-8-1BE	NS67-8-1B	11.0	12.0	VCP	Mult Crack(7'), Size reduces to 4"(8')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3044	NS67-4-3	NS67-4-3SE	9.0	8.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3045	NS67-4-3	NS67-4-3NE	24.0	12.0	VCP	Mult Crack T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3046	NS67-8-1NNW	NS67-8-1NNE	27.0	8.0	VCP	Med Roots at joints(9', 12')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3047	NS67-8-1	NS67-8-1NNW	62.0	12.0	VCP	Mult and Long. Cracks T/O, Hinge Crack(22'-30'), Lt Roots at select joints T/O, Size reduces to 8"(55')	Dig Mainline	7				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3048	NS67-8-1	NS67-8-1NW	54.0	12.0	RCP	Long. Crack(11'), Lt Roots at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3049	NS67-8-1	NS67-8-1W	46.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3052	NS67-8-3	NS67-8-3W	10.0	12.0	VCP	Long. And Mult Crack(9')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3053	NS67-8-3	NS67-8-3NW	29.0	12.0	VCP	Long. Crack(9', 19'), Hole(9'), Hinge Crack(22'-29')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3054	NS67-10AE	NS67-10ANE	51.0	12.0	VCP	Mult Cracks T/O, Lt to Med Roots at joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3055	NS67-3-3	NS67-3-3W	14.0	12.0	VCP	Size reduces to 6"(7")	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3056	NS67-3-3	NS67-3-3N	29.0	12.0	VCP	Long. Cracks T/O, mult Crack(19')	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3057	NS59-7	NS59-7N	61.0	12.0	VCP	Mult Crack(6'-36'), Hinge Crack(16', 18'), Hinge Fracture(20', 22'-36'), Survey abandoned(36')-Broken with large void, Reverse--Long. Crack(19'), Survey abandoned(25')-point of previous progress	Dig Mainline (36'-42') Repaired during Toepfer R&R FCIPP	8	61			\$ 3,660.00										\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 12,160.00
SW3058	NS59-7	NS59-7NW	72.0	12.0	VCP	Mult Crack(5'-48', 53', 63', 64'), Hinge Fracture(34'-38')	FCIPP	6.2	72			\$ 4,320.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,320.00	
SW3061	NS59-7-2B	NS59-7-2BS	65.4	12.0	VCP	OFFSET JOINTS @ 40', 55', 64'; FINE ROOTS THROUGHOUT	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3063	NS59-7-2B	NS59-7-2BWSW	98.0	12.0	RCP	MEDIUM OFFSETS THROUGHOUT; GAS LINE BORETHROUGH @ 83.2', HOLES @ 83.2'. MSA DUE TO GAS LINE	DIG UP AND REPLACE AT BORETHROUGH	10				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3084	NS59-7-0-2NW	NS59-7-0-2N	28.4	12.0	VCP	MULT CRACKS @ 12'	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3085	NS59-7-0-NW	NS59-7-0-2	155.8	12.0	VCP	LONG CRACKS THROUGHOUT	NONE	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3086	NS59-12-3	NS59-12-3SW	45.0	12.0	RCP	Lt MD at select joints T/O	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3087	NS64-1A	NS64-1SE	21.2	12.0	RCP	MAT CHANGE @ 12.4'-14.7' (VCP); SPIRAL CRACK @ 13'; MULT FRACTURE @ 19'	NONE	7.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3090	NS48-5NE	NS48-5	49.0	12.0	VCP		Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00		
SW3091	NS48-5	NS48-5NNW	50.0	12.0	VCP		Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00		
SW3092	NS48-5NW	NS48-5W	27.0	12.0	VCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3093	NS48-5W	NS48-5	53.0	12.0	VCP		Dig Mainline	8				\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00		
SW3094	NS48-5SW	NS48-5	35.0	12.0	VCP		None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3095	NS48-5SE	NS48-5	21.0	12.0	VCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3096	NS46-7	NS46-7S	13.0	12.0	RCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3097	NS46-7	NS46-7SW	24.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3098	NS46-5SE	NS46-5	25.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3099	NS46-5NE	NS46-5SE	26.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3100	NS46-5NNW	NS46-5	47.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3101	NS46-5NW	NS46-5SW	23.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3103	NS46-2	NS46-2S	8.0	8.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3104	NS46-2	NS46-2SW	28.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3105	NS48-2N	BLIND TAP	9.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3106	NS48-2NNW	BLIND TAP	27.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3107	NS53-6NW	NS53-6	17.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3108	NS53-6SW	NS53-6	28.0	12.0	VCP		Dig Mainline	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3109	NS53-6SE	NS53-6	15.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3110	NS53-6N	NS53-6	44.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3111	NS53-8NW	NS53-8	29.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3112	NS53-6E	BLIND TAP	34.0	12.0	VCP		None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3113	NS53-8	NS53-8NE	10.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3114	NS46-6SW	NS46-6	32.0	12.0	VCP	Gas line - sent to consumers	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3115	NS46-6S	NS46-6	57.0	12.0	VCP		None	3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3116	NS43-5SW	NS43-5NW	25.0	12.0	VCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3117	NS43-5NW	NS43-5	53.0	12.0	VCP		Dig Mainline	6.6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3118	NS43-5NNW	NS43-5	42.0	12.0	PVC		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3119	NS43-5AW	BLIND TAP	25.0	12.0	VCP		None	3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3121	NS43-2SW	NS43-2	30.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3122	NS43-2ASW	BLIND TAP	25.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3123	E23-1-2NW	E23-1-2	60.0	12.0	VCP		None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3125	NS53-4NW	NS53-4SW	25.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3126	NS53-4SW	NS53-4	49.0	12.0	VCP		None	3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3127	NS53-4NE	NS53-4E	24.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3128	NS53-4E	NS53-4	23.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3129	NS53-4NNW	NS53-4	60.0	12.0	VCP		None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3130	NS48-3NNW	BLIND TAP	26.0	12.0	VCP		None	3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3131	NS48-3N	NS48-3	36.0	12.0	VCP		None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3132	NS48-3NE	NS48-3	35.0	12.0	VCP		None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3133	NS48-3SE	NS48-3	25.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3134	NS48-3S	NS48-3	19.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3135	NS48-3SSW	NS48-3	34.0	12.0	VCP		None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3136	NS48-3NW	NS48-3SW	27.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3137	NS48-3SW	NS48-3	48.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3138	NS46-2ASW	NS46-2AS	22.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3139	NS46-2AS	NS46-2A	29.0	8.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3140	NS46-3NW	NS46-3SW	23.0	12.0	VCP		Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3141	NS46-3SW	NS46-3	52.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3142	NS46-3SSW	NS46-3	25.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3143	NS46-3S	NS46-3	22.0	12.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3144	NS46-3NE	NS46-3SE	25.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3145	NS46-3SE	NS46-3	26.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3146	NS43-3NW	NS43-3W	25.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3147	NS43-3W	NS43-3	52.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3148	NS43-3SW	NS43-3	31.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3149	NS43-7SW	NS43-7	24.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3150	NS48-8SW	NS48-8	42.0	12.0	VCP	Lt MD at joints T/O	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3151	NS48-7NW	BLIND TAP	28.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3152	NS48-7N	NS48-7	67.0	12.0	VCP		NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3153	NS53-9S	NS53-9	6.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3154	NS53-9SW	NS53-9	27.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3155	E23-1-2SW	E23-1-2	37.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3156	NS53-5N	BLIND TAP	27.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3157	NS53-5NW	NS53-5	53.0	12.0	VCP	Utility thru sewer(26')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3158	E23-1-2-1W	E23-1-2-1SW	28.0	12.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3159	E23-1-2-1SW	E23-1-2-1	9.0	12.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3160	E23-1-2-NW	E23-1-2-2N	102.0	12.0	VCP		FCIPP	5	102			\$ 6,120.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,120.00	
SW3161	E23-1-2-2N	E23-1-2-2	102.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3162	NS46-6NW	BLIND TAP	31.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3163	NS46-6N	NS46-6	148.0	12.0	VCP	Gas line - sent to consumers	Dig Mainline (59'-65')	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3164	NS46-4W	NS46-4	24.0	12.0	VCP		None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3165	NS43-4SW	BLIND TAP	32.0	12.0	VCP		None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3166	NS40-4	NS40-4SE	9.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3167	NS40-4	NS40-4SW	27.0	10.0	VCP	Hinge Fracture(6'-10') Mult Crack(12', 15'), Long. Cracks T/O	Dig Mainline	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3170	NS37-7	NS37-7S	8.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3171	NS37-7	NS37-7W	29.0	12.0	VCP	Hinge Fracture(5'), Mult Crack(13', 18', 21'), Long. Crack(11', 16', 17')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3172	NS37-6	NS37-6SW	36.0	12.0	RCP	Long. Crack(12', 18', 20'), Hinge Crack(22', 25'), Mult crack(23')	Dig Mainline	6.4				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3173	NS37-5NW	NS37-5W	28.0	12.0	VCP	Mult Crack T/O, Med Roots(21', 24', 25')		6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3174	NS37-5	NS37-5NW	58.0	12.0	VCP	Mult crack(20', 30', 37'), Survey abandoned(48')-roots, Reverse Setup-Survey abandoned(10')-roots	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3175	NS37-5	NS37-5NNW	51.0	12.0	RCP	Hinge Crack(6'-16'), Mult Crack(17'-51'), Lt MD at joints T/O, Lt Roots(36', 38', 40', 48')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3176	NS37-5	NS37-5N	52.0	12.0	RCP	Long. Crack(17', 36', 41), Mult crack(48')	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3177	NS37-5E	NS37-5NE	28.0	12.0	VCP	Mult Crack(6', 15', 18'), Lt MD at joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3178	NS37-5	NS37-5E	32.0	12.0	VCP	Long. Cracks T/O, Mult Crack(20', 29'), Lt MD at joints T/O	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3179	NS37-4	NS37-4SW	30.0	12.0	VCP	Hinge cracks and mult cracks T/O, Lt MD at joints T/O, Pipe reduces to 10"(26")	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3180	NS37-3	NS37-3NNW	58.0	12.0	VCP	Mult Crack(11'-58'), Long. Crack(12', 14', 16', 18, 32', 56')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3181	NS37-3W	NS37-3NW	27.0	12.0	VCP	Long. Crack(24'), Lt MD at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW3182	NS37-3	NS37-3W	47.0	12.0	VCP	Mult Crack T/O, Long. Crack(9'-38'), Lt MD at joints T/O, Size reduced to 4"(44')	None	5				\$	-								\$	-	\$	-	\$	-	\$	-	
SW3183	NS37-3	NS37-3SSW	32.0	12.0	VCP	Mult Crack(6', 7'-32'), Long. Crack(10', 16')	None	5				\$	-								\$	-	\$	-	\$	-	\$	-	
SW3184	NS37-3	NS37-3E	24.0	12.0	VCP	Hinge Crack(5'), Mult Crack(9'-15'), Size reduces to 4"(23')	Dig Mainline	6				\$	-								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00
SW3185	NS37-2	NS37-2SW	28.0	12.0	VCP	Mult Crack(8', 10', 16'), Long. Crack(9', 19'), Lt Md at joints T/O	None	5				\$	-								\$	-	\$	-	\$	-	\$	-	
SW3186	NS33-7	NS33-7SW	24.0	12.0	VCP	Mult cracks and long cracks T/O, Lt MD at joints(7'-24')	Dig Mainline	6				\$	-								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00
SW3187	NS33-7	NS33-7S	10.0	12.0	VCP	No defects observed	None	2				\$	-								\$	-	\$	-	\$	-	\$	-	
SW3188	NS33-5N	NS33-5NNW	28.0	12.0	RCP	Long. Crack(13'), Lt MD at joint(26')	None	4				\$	-								\$	-	\$	-	\$	-	\$	-	
SW3195	NS31-5	NS31-5S	13.0	12.0	VCP	Lt Roots at joints T/O	None	2				\$	-								\$	-	\$	-	\$	-	\$	-	
SW3196	NS31-5	NS31-5SW	27.0	12.0	VCP	Long. Crack(10', 14'), Mult Crack(10',	None	4.8				\$	-								\$	-	\$	-	\$	-	\$	-	
SW3197	NS31-6	NS31-6W	50.0	12.0	VCP	Long. Fracture(11'), Broken (19'), Hole(20')	Dig Mainline	7.8				\$	-								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00
SW3198	NS31-6	NS31-6NW	30.0	12.0	VCP	Mult crack T/O	Dig Mainline	6				\$	-								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00
SW3199	NS31-6	NS31-6N	52.0	12.0	RCP	No defects observed	None	2				\$	-								\$	-	\$	-	\$	-	\$	-	
SW3200	NS6-11-7	NS6-11-7SW	30.0	12.0	RCP		None	2				\$	-							\$	-	\$	-	\$	-	\$	-		
SW3201	NS28-3	NS28-3SW	22.0	12.0	VCP		None	4				\$	-							\$	-	\$	-	\$	-	\$	-		
SW3202	NS28-2	NS28-2SW	30.0	12.0	VCP		Dig Mainline	5				\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3203	NS28-1	NS28-1W		12.0	VCP	OFFSET JOINTS @ 10', 13', 22'; MSA DUE TO ASPHALT IN LINE @ 34'; DO NOT SEE ATTEMPT AT REVERSAL	NONE	2.5				\$	-							\$	-	\$	-	\$	-	\$	-		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3204	NS43-5NE	NS43-5SE	28.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3205	NS43-5SE	NS43-5	29.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3206	NS43-5AS	NS43-5A	6.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3208	NS40-6	NS40-6N	106.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3209	NS28-6NW	NS28-6N	29.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3210	NS28-6SW	NS28-6S	29.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3214	NS43-2S	NS43-2	19.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3216	NS43-2AS	NS43-2A	6.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3217	NS43-3SE	NS43-3	13.0	12.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3218	NS43-3NE	NS43-3E	25.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3219	NS43-3E	NS43-3	31.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3220	NS40-3SW	NS40-3W	24.0	12.0	VCP	Med OS joint(22'), Lt Roots at joints(5', 11', 24')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3221	NS40-3	NS40-3SW	50.0	12.0	VCP	Mult cracks T/O, Size changes to 4"(47"), backflow preventer(48")	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3222	NS40-3	NS40-3SSW	33.0	12.0	VCP	Long. And Mult cracks and Med OS joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3223	NS40-3	NS40-3S	20.0	12.0	VCP	Long. And Mult Cracks T/O, Hinge Crack(17')	Dig Mainline	7				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3224	NS40-3E	NS40-3EE	26.0	12.0	VCP	Long. Crack(12', 20'), Mult crack(12'-24'), Lt MD at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3226	NS40-3	NS40-3NW	57.0	12.0	VCP	Long., Mult Cracks T/O, Med OS joints(37'-57')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3227	NS40-3N	Blind Tap	31.0	12.0	VCP	Long. Cracks T/O,	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3228	NS37-3E	1438NS37-3NE	26.0	12.0	VCP	Spiral Fracture(14'), Med OS joint(17')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3229	NS33-3SW	NS33-3NW	26.0	12.0	VCP	Mult Crack(9'-19'), Lt MD at joints(6'-19')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3230	NS33-3	NS33-3SW	52.0	12.0	VCP	Long. Crack(7', 22', 48'), Mult Crack(28', 47')	None	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3231	NS33-3	NS33-3NNW	55.0	12.0	VCP	Long. Cracks T/O, Mult crack(22', 32'), Hinge Crack(44')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3232	NS33-3SE	NS33-3NE	26.0	12.0	VCP	Lt MD at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3233	NS33-3	NS33-3SE	17.0	12.0	VCP	Lt MD at joints(6'-14'), Size reduces to 4"(14')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3234	NS31-4SW	NS31-4NW	28.0	12.0	VCP	Long. Crack(13', 15'), Mult Crack(13', 15', 19'), Lt Roots at select joints T/O	None	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3235	NS31-4	NS31-4SW	51.0	12.0	VCP	Long. Crack(6', 20', 24', 30'), Mult Crack(7'-51'), Hinge Crack(7'), Size reduces to 4"(49')	Dig Mainline	7.4				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3236	NS31-4NNW	Blind Tap	32.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3237	NS31-4	NS31-4N	44.0	12.0	PVC	Spiral Fracture(11'), Lt Roots at joint(38')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3238	NS31-4	NS31-4SSW	34.0	12.0	VCP	Hinge Fracture(10', 12'-28'), Mult Crack(11', 16'-28'), Lt Roots at joints T/O, Backflow preventer(32')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3239	NS31-4	NS31-4S	22.0	12.0	RCP	Long. Crack(14')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3240	NS28-4NW	NS28-4W	27.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3241	NS28-4W	NS28-4	56.0	12.0	VCP	Backflow preventer	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3242	NS28-4NNW	NS28-4	57.0	12.0	VCP		Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3243	NS28-4SW	NS28-4	33.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3244	NS37-7	NS37-7SW	61.0	12.0	RCP	Long. Crack(14'), MedOS joint(17'), Broken(38'), Mult Crack(51'), Lt MD at select joints T/O	Dig Mainline	7.5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3245	NS43-7S	NS43-7	6.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3246	NS28-5SW	NS28-5	27.0	12.0	VCP		Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3247	NS33-4	NS33-4SW	31.0	12.0	VCP	Mult, Long. And Hinge Cracking T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3248	NS31-6	NS31-6NE	50.0	12.0	VCP	Mult crack T/O, Size reduces to 4"(48")	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3249	NS31-6	NS31-6NNW	58.0	12.0	VCP	Hinge Crack(7', 10', 24', 45', 47'), Broken(46'), Collapse(46'), Hole(47'), Mult Crack(8', 10', 15', 18'-58')	Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3251	NS6-11-7	NS6-11-7S	22.0	12.0	RCP	Backflow preventer	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3252	NS6-11-6S	NS6-11-6	12.0	12.0	RCP	backflow preventer	NONE	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3253	NS6-11-6	NS6-11-6SW	34.0	12.0	RCP	backflow preventer	NONE	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3254	NS25-6N	NS25-6	50.0	12.0	RCP	backflow preventer	None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3255	NS25-6NNW	Blind Tap	35.0	12.0	RCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3256	NS25-6	NS25-6W	55.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3257	NS25-5S	NS25-5	18.0	12.0	RCP	backflow preventer	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3258	NS25-5S	NS25-5SW	27.0	12.0	RCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW3260	NS23-4	NS23-4S	11.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3261	NS23-4	NS23-4SW	24.0	12.0	VCP	Hinge Cracks(8', 11', 13'-24'), Heavy Roots at joints(20')	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00
SW3262	NS23-5	NS23-5S	16.0	12.0	VCP	Large OS joint and collapse(1')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00
SW3263	NS23-5	NS23-5SW	29.0	12.0	VCP	Mult and long. Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3264	NS23-5W	NS23-5	51.0	12.0	VCP	Mult and long. Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3265	NS23-5	Bulkhead (NW)	56.0	12.0	VCP	Long. Crack(16', 28'), Mult crack(30')	NONE	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3266	NS23-5	NS23-5NNW	60.0	12.0	VCP	Hinge and Mult cracks T/O, Lt MD at joints T/O	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00
SW3267	NS20-5	NS20-5SW	30.0	12.0	VCP	Long. Crack(9', 18'-30'), Mult Crack(9'-30'), Size reduces to 10"(23")	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3268	NS20-5	NS20-5W	52.0	12.0	VCP	Mult and Long. Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3269	NS20-5NNW	NS20-5	49.0	12.0	VCP	Hinge Crack(7', 12'), Mult Crack(10', 16', 18'-49'), Broken(49')	Dig Mainline (41'-49')	10				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00
SW3270	NS20-5	NS20-5E	34.0	12.0	VCP	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3271	NS20-2	NS20-2SW	32.0	12.0	VCP	Lt MD and Mult Cracks T/O, Hinge Crack(29'), Long. Crack(17', 18', 19')	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3272	NS18-2	NS18-2SW	32.0	12.0	VCP	Long. Crack(26', 31'), Hinge Crack(27'), Mult Crack(27'), Med Roots at joint(19')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00
SW3273	NS18-5	NS18-5SW	37.0	12.0	PVC	Hinge Crack(8'-21'), Mult cracks(8'-37'), Lt MD at joints T/O	Dig Mainline	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00
SW3274	NS18-5	NS18-5NNW	60.0	12.0	VCP	Mult Cracks T/O, Hinge Crack(9', 11'-24'), Long. Cracks(25'-50'), Lt MD at joints T/O	Dig Mainline	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00
SW3276	NS6-11-2-2	NS6-11-2-2W	32.0	12.0	VCP	Spiral Fracture(1'), Long. Crack(19', 22'), Lt MD at joints T/O	None	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3277	NS18-3	NS18-3W	56.0	12.0	VCP	Mult crack(16', 22'), Hinge Crack(22'), Long. Crack(26'-56'), Med Roots at joints(28'-56'), Size reduces to 4"(53')	Dig Mainline	6			\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3278	NS18-3	NS18-3NW	61.0	12.0	VCP	Hinge Crack(6', 56'), Mult Crack T/O, Long. Crack(15', 38')	Dig Mainline	8			\$ -										\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3279	NS18-3NNW	Blind Tap	33.0	12.0	VCP	Long. Cracks T/O, Lt MD at select joints T/O, Mult Crack(31')	None	4.2			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3280	NS18-3	NS18-3E	32.0	12.0	VCP	Long. Crack(8'), Size reduces to 4"(32')	None	4			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3281	NS15-6NW	BLIND TAP	35.0	12.0	RCP	Long. Crack(20'), Lt MD at joints(6', 9'-35')	None	4			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3282	NS15-6S	NS15-6W	34.0	12.0	RCP	Long. Crack(8'), Lt MD at joints(13'-34')	None	4			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3283	NS15-4	NS15-4W	28.0	12.0	VCP	Long. Cracks T/O	None	4			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3284	NS15-3	NS15-3NNW	54.0	12.0	VCP	Hinge Cracks T/O, Mult Cracks(10', 13'-54'), Hvy Roots in line(47', 48')	Dig Mainline	8			\$ -										\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3285	NS15-2	NS15-2SW	32.0	12.0	VCP	Hinge Fracture(5', 14'-19'), Long. Crack(23')	Dig Mainline	8.6			\$ -										\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3288	NS23-1A-ANE	NS23-1A-A	27.8	12.0	RCP	LONG CRACKS @ 9', 15'; BROKEN VOID VISIBLE @ 25'	Dig Mainline	8.75			\$ -										\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3289	NS23-1A-ANW	NS23-1A-A	28.4	12.0	RCP	LONG CRACK @ 20'; BROKEN SOIL VISIBLE @ 22'	Dig Mainline	7			\$ -										\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3290	NS25-2	NS25-2S	25.0	12.0	PVC		None	2			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3291	NS25-2SW	Blind Tap	35.0	12.0	PVC		None	2			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3293	NS28-3	NS28-3SE	7.0	10.0	PVC	Backflow preventer	None	2			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3294	NS28-2	NS28-2SE	26.0	10.0	PVC		None	4			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3295	NS25-3SW	NS25-3	28.0	12.0	RCP		None	2			\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3296	NS25-3S	NS25-3	44.0	12.0	PVC	Backflow preventer	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3297	NS20-4	NS20-4SW	28.0	12.0	VCP	Mult Cracks T/O, Long. Crack(13', 16', 23'), Lt MD atj joints T/O	None	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3298	NS18-4	NS18-4SW	36.0	12.0	VCP	Mult and long. Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3299	NS18-3ESSW	Blind Tap	38.0	12.0	VCP	Long. And Mult cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3300	NS20-3E	NS20-3NE	27.0	12.0	VCP	Lt MD at joints T/O, Lt Roots at joints(9', 21')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3301	NS20-3	NS20-3E	35.0	12.0	VCP	Mult Cracks(9', 10', 11'), Size reduces to 4"(31')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3302	NS20-3	NS20-3W	51.0	12.0	VCP	Med OS joint(7', 23'), Mult Crack(11', 12'-51'), Hinge Crack(19'), Long. Crack(23')	None	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3303	NS20-3N	NS20-3	42.0	12.0	VCP	Mult Cracks T/O, Lt MD at joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3304	NS20-3W	NS20-3NW	27.0	12.0	VCP	Mult Crack(6'), Spiral Crack(24')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3305	NS20-3SW	Blind Tap	39.0	12.0	VCP	Mult cracks T/O, Long. Crack(7', 9', 21', 32'), Large OS joint(11'), Utility thru sewer(37')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3306	NS20-3	NS20-3S	130.0	12.0	VCP	Long. And Mult Cracks T/O, Hole with void(130'), Survey abandoned(130')--Utility line thru sewer	Dig Mainline(130'-?) - sent off city FCIPP	10	130			\$ 7,800.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 16,300.00	
SW3308	NS23-3	NS23-3SW	51.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3309	NS23-3SW	NS23-3NW	27.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3310	NS23-3	NS23-3S	13.0	12.0	VCP		Dig Mainline	5.4				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3311	NS23-3SSW	Blind Tap	28.0	12.0	VCP	Mult Crack(9')	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3312	NS25-4	NS25-4SE	25.0	12.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3313	NS25-4NNW	NS25-4N	25.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3314	NS25-4SE	NS25-4NE	27.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3315	NS25-4SSW	BLIND TAP	31.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3316	NS25-4	NS25-4SW	50.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3317	NS25-4SW	NS25-4NW	29.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3318	NS25-4	NS25-4S	20.0	12.0	RCP	backflow preventer	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3319	NS28-6N	NS28-6	45.0	12.0	RCP	backflow preventer	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3320	NS23-6S	NS23-6SW	25.0	12.0	VCP	Backflow preventer(22')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3321	NS20-6	NS20-6SW	28.0	12.0	VCP	Long. Crack(5', 17'), Hinge Crack(14'), Defective Point repair(18')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3322	NS15-1	NS15-1SW	33.0	12.0	VCP	SURFACE MISSING WALL @ 26'; HINGE FRAC (4) @ 26'-28'	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3325	NS18-1A-1	NS18-1A-1W	29.8	12.0	RCP	INFIL DRIPPER @ 13', 19'	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3327	NS28-4N	NS28-4	50.0	12.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3328	NS28-4S	NS28-4	23.0	12.0	VCP	Utility thru sewer(15')	Dig Mainline-- sent to consumers	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3329	NS15-3NW	NS15-3SW	25.0	12.0	VCP	Mult Crack(13'), Long. Crack(20'-22'), Med to Hvy Roots at joints T/O	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3330	NS15-3	NS15-3SW	48.0	12.0	VCP	Hinge Cracks(6'-17'), Mult Cracks T/O, Lt MD at joints T/O, Size reduces to 4"(45")	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3331	NS20-5E	NS20-5NE	26.0	12.0	VCP	Mult Crack(12'-26'), Long. Crack(15'), Lt MD at joints T/O	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
SW3332	NS20-5NW	Bulkhead (NW)	23.0	12.0	VCP	Mult Crack(16'), Line ends at bulkhead(23')	None	6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3333	NS25-6NW	NS25-6W	27.0	12.0	VCP		Dig Mainline	5				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3334	NS25-7SW	NS25-7S	26.0	12.0	RCP		Dig Mainline	5				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3335	NS25-7S	NS25-7	27.0	12.0	RCP		Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3336	NS15-3S	BLIND TAP	43.0	12.0	VCP	Long. Crack(7'-39'), Broken with hole with Gas line thru sewer(37')	Dig Mainline	7				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3337	NS6-11-4A	NS6-11-4ASW	40.0	12.0	RCP	Size reduction to 10"(19'), Hoel with void(36'), Long. Crack(39'), Lt MD at joints T/O	Dig Mainline	10				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3338	NS6-11-2	NS6-11-2NW	19.0	10.0	RCP	BROKEN/COLLAPSE @ 16'; MAT CHANGE @ 16' (VCP); HINGE FRACTURE (4) @ 16'-END OF LINE	Dig Mainline	10				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3339	NS6-11-2	NS6-11-2NE	12.0	10.0	RCP	MULT CRACK @ 9': VCP TRAP AT CB	NONE	6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3340	NS6-11-5A	NS6-11-5ASW	45.0	12.0	RCP	Med OS joint T/O, Lt H2S damage(17', 34'), Lt MD at joints(11', 12', 14', 15', 17', 19', 24')	None	5.75				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3341	NS6-11-5	NS6-11-5S	18.0	12.0	RCP	Long. Cracks T/O	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3342	NS6-11-5	NS6-11-5SW	31.0	12.0	RCP	Long. Crack(8')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3343	NS6-11-4	NS6-11-4S	18.0	12.0	RCP	Mult Crack(14'), Lt MD at joint(9'), Lt Roots at joint(12')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3344	NS6-11-4	NS6-11-4SW	33.0	12.0	VCP	Mult and Long. Cracks T/O	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3346	NS28-5S	NS28-5	14.0	12.0	RCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3347	NS20-3NNW	Blind Tap	35.0	12.0	VCP	Mult Cracks T/O, Long. Cracks(12', 14', 17', 21'), Hinge Crack(25', 28', 31')	Dig Mainline	6.2				\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3348	B9-7	B9-6	160.0	12.0	RCP	No defects observed	None	2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3355	NS3-6A	BLIND TAP	98.0	12.0	RCP	Mult Cracks T/O, Broken(61')	Build MH (98') FCIPP	6	98			\$ 5,880.00									\$ -	1	\$ 6,000.00	\$ -	\$ -	\$ -	\$ 11,880.00	
SW3356	NS3-6A	NS3-6AW	58.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3357	NS3-6A	NS3-6ASW	12.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3359	EH-33AN	EH-33ANNW	25.0	12.0	VCP	Med OS joint(24')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3360	EH-33AW	EH-33ANW	26.0	12.0	VCP	Lt MD at joint(10'), Pipe reduces to 8"(22')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3361	EH-33A	EH-33AW	103.0	12.0	VCP	Mult and Long. Cracks T/O, Size reduces to 3"(103')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3363	NS6-3-2ANE	NS6-3-2ASE	27.0	12.0	VCP	FIRST 10' IS PVC, THEN VCP FOR REST OF LINE; LONG CRACK @ 10'; MULT CRACKS @ 23'; HEAVY ROOTS FROM 16'-23'	NONE	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3364	NS6-3-2A	NS6-3-2ANE	19.0	12.0	VCP	MULT CRACK @ 6', LONG CRACK @ 7'; MAT CHANGE @ 9' (PVC)	NONE	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3365	NS6-3-2A	NS6-3-2B	58.0	12.0	VCP	LONG CRACKS THROUGHOUT; MAT CHANGE @ 42' (PVC), 48' (VCP); LARGE OFFSET/MULT FRACTURES/DEFORMATION @ 48'; HINGE FRACTURE (4) @ 48'-53'	Dig Mainline	10				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3366	NS6-3-2BS	NS6-3-2BSE	27.0	12.0	VCP	MULT CRACKS @ 18'; DEPOSITS THROUGHOUT; TRAP AT US CB	NONE	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3370	NS14-2	NS14-2SW	41.0	12.0	VCP	MULT CRACKS THROUGHOUT	NONE	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3372	NS14-1ANW	BLIND TAP SW3373	30.0	10.0	RCP	PVC FOR FIRST 5'; LARGE OFFSET JOINT/HOLE SOIL VISIBLE/ALIGNMENT DOWN @ 26'	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3373	NS14-1A	NS14-1AE	22.0	12.0	RCP	LONG CRACK @ 10'; SPIRAL CRACK @ 12'; MULT RACTURE @ 19'	NONE	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3383	NS6-1-4A	NS6-1-4	139.0	12.0	VCP	LONG FRACTURE @ 7'; HINGE CRACKING @ 9'-33'; ALIGNMENT LEFT @ 33'; MSA DUE TO ALIGNMENT CHANGE. REVERSAL: LONG/HINGE CRACKING THROUGHOUT. REACHED POINT OF PREVIOUS INSPECTION	FCIPP	7	139			\$ 8,340.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3385	NS6-2-3A	NS6-2-3	133.0	12.0	VCP	SIZE CHANGE @ 7.5'(10')PIPE INSERTED INTO LINE TO "FIX" PREVIOUS BREAK; BROKEN SOIL VISIBLE/SURFACE MISSING WALL @ 8. MSA DUE TO BROKEN SECTION. REVERSAL: PVC TO START LINE, MAT CHANGE @ 17' (VCP); LONG/MULT CRACKS 33'-84"	DIG UP AND REPLACE FROM NS6-2-3A-20'	10				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3386	NS6-3-2A	NS6-3-2	132.0	12.0	VCP	LONG CRACKS THROUGHOUT; MULT CRACKS @ 46'-END OF LINE; HINGE FRACTURE (4) @ 40', 45', 48'-72'; TAP FACTORY @ 48'(12), 60'(9)	Dig Mainline	8				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3387	NS6-5-2A	NS6-5-2	115.0	12.0	VCP	LONG CRACKS THROUHGOUT	FCIPP	5.2	115		4	\$ 8,900.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 8,900.00	
SW3388	NS6-6-2A	NS6-6-2	134.0	12.0	RCP	Line in fair condition, CH4 (39-61)		10				\$ -									1		\$ 3,500.00	\$ -	\$ -	\$ -	\$ -	\$ 3,500.00
SW3389	NS6-7-1A	NS6-7-1	113.0	12.0	RCP	Line in good condition, CL (10-26)		2				\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW3398	NS6-2-1AN	NS6-2-1ANW	25.0	12.0	VCP	Size reduces to 8"(24")	None	2				\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW3400	NS6-1-4A	NS6-1-4AW	60.0	12.0	VCP	LONG CRACKS @ 5', 51'-53'; BROKEN SOIL VISIBLE @ 48'. TRAP AT CB	Dig Mainline	8				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3401	NS6-1-4A	NS6-1-4ASW	62.0	12.0	VCP	HINGE CRACKING @ 44'-END OF LINE; HEAVY ROOTS AT CB	Dig Mainline	10				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3402	N13-SE	N13	42.3	12.0	RCP	CC @ 11'	NONE	2.5				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW3405	NS14-6	NS14-6SW	25.0	12.0	VCP	MULT CRACKS THROUGHOUT	NONE	6.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW3408	NS15-3	NS15-3E	24.0	12.0	VCP	Lt Roots at joints(11', 14'), Size reduces to 4"(22")	None	2				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW3409	NS15-3E	NS15-3NE	26.0	12.0	VCP	Lt Roots at joint(19')	None	2				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW3411	NS6-2-1A	NS6-2-1AW	50.0	12.0	VCP	Mult Crack(14', 40', 49'), Med OS joint(42', 45'), Size reduces to 8"(36'), Size increase to 12"(49')	None	4				\$ -								\$ -		\$ -		\$ -		\$ -	\$ -	
SW3412	NS6-2-1A	NS6-2-1ASW	57.0	12.0	VCP	Mult and Long. Cracks T/O	None	5				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW3415	NS6-2-3A	NS6-2-3AW	56.0	12.0	VCP	MULT FRACTURES THROUGHOUT; HINGE FRACTURE (4) @ 35'-38'; HEAVY ROOTS @ 42', CAMERA CANNOT PASS. LINE NOT FINISHED	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3416	NS6-2-3A	NS6-2-3ASW	60.0	12.0	VCP	MULT CRACKS/FRACTURES THROUGHOUT; HINGE FRACTURE (4) @ 46'-END OF LINE; 4" PVC PIPE INSERTED INTO END OF LINE	Dig Mainline	8				\$ -								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3423	NS6-5-2A	NS6-5-2ASW	48.0	10.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS @ 7'-29'	NONE	4.8				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -
SW3425	NS6-5-2A	NS6-5-2ANE	15.0	10.0	VCP	MULT CRACKS THROUGHOUT; TRAP AT CB	NONE	4.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3426	NS3-6A	NS3-6ANE	12.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3429	NS6-1-4A	NS6-1-4AW	9.0	12.0	VCP	LONG CRACK @ 6'	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3430	NS15-1	NS15-1S	16.0	12.0	VCP	MULT FRACTURES THROUGHOUT; HING FRAC (4) @ 6'; VCP TRAP AT CB	Dig Mainline	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3432	NS6-11	NS6-11SW	56.0	12.0	RCP	BROKEN @ 6', 13'; LONG CRACKS @ 13'-19'; SPIRAL FRACTURE @ 43'	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3433	NS6-12W	NS6-12	16.0	12.0	PVC	Abandoned Survey(16')-Bend in line	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3439	NS6-10NE	NS6-10	32.0	12.0	RCP		NONE	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3442	NS15-6S	NS15-6	6.0	6.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3444	NS3-5ANE	NS3-5ANW	54.0	8.0	PVC	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3445	NS3-5ANE	NS3-5A	11.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3446	NS3-5A	NS3-5ASW	11.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3447	NS3-4	NS3-4-1	95.0	12.0	VCP	LONG CRACKS THROUGHOUT; HINGE CRACKING @ 6'-21', 42'; TRAP AT US MH	NONE	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3448	NS3-4-1	NS3-4ASW	8.0	12.0	RCP	DEPOSITS AT CB		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3457	E6-3AN	E6-3ANE	32.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3458	E6-3A	E6-3AN	4.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3459	E6-2A	E6-2ASE	24.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3460	E6-2ANE	E6-2ASE	39.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3462	NS3-1-7	NS3-1-7SE	8.0	12.0	VCP	Mult Crack(5'), Pipe reduces to 4"(7')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3463	NS3-1-7SE	NS3-1-7NE	28.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3465	NS3-5B	NS3-5BSW	8.0	12.0	VCP	Mult Crack(6'), Size reduces to 3"(8')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3466	NS3-5B	NS3-5BN	14.0	12.0	VCP	Mult Crack(6'), Med OS joint(9'), Size reduces to 8"(13')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3467	NS3-5BNNE	NS3-5BN	42.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3468	NS3-5BNNE	NS3-5BNE	25.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3469	NS2-7-2ASSW	NS2-7-2A	142.0	10.0	VCP	Mult and Long. Cracks T/O, Size increases to 12"(6')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3470	NS2-7-2ASSW	NS2-7-2ASW	23.0	10.0	VCP	Size increase to 12"(7')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3471	NS6-1-2	NS6-1-2AN	101.0	12.0	VCP	Long. And Mult Crakcs T/O, Lt MD at joints T/O	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3472	NS6-2-1	NS6-2-1AN	98.0	12.0	VCP	Long. And Mult Cracks T/O, Lt MD atjoints T/O	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3473	NS2-8-3SSW	NS2-8-3	171.0	12.0	RCP	8" Pipe(0-6'), Long. Crack(91', 95', 136', 145'), Lt MD at select joints T/O	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3474	NS2-8-3SW	BLIND TAP	3.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3475	NS2-9-3A	NS2-9-3SSW	30.0	8.0	PVC	Size increase to 10"(2'), Size reduces to 8"(21')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3476	NS2-9-3A	NS2-9-3	120.0	10.0	RPCP	Med OS joints T/O, Long. Crack(7', 35', 65'), Mult crack(85', 119')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3480	NS2-14-1	NS2-14-1NW	34.0	10.0	VCP	Size reduces to 8"(29')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3481	NS2-14-1	NS2-14-1SE	27.0	10.0	RCP	Med OS joint(16', 19')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3482	NS2-14-1	NS2-14-1E	28.0	10.0	VCP	Size reduces to 8"(24')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3484	NS2-9-2ANW	Blind Tap	26.0	10.0	RCP	LINE ENDS AT CLIND TIE JUST WEST OF NS2-9-2A. LINE COULD NOT BE CLEANED DUE TO CLIND TIE. LONG CRACK THROUGHOUT	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3486	NS2-9-2AE	Blind Tap	32.0	10.0	RCP	DEPOSITS THROUGHOUT; MAT CHANGE AT BLIND TIE (VCP)	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3488	NS2-9-2A	NS2-9-2AN	33.0	10.0	RCP	SPRIAL CRACK @ 7'; MAT CHANGE @ 29' (PVC)	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3489	NS2-8-2ANW	BLIND TIE	31.0	12.0	VCP	LONG CRACK @ 27'	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3490	NS2-8-2A	NS2-8-2ASW	45.0	12.0	VCP	LONG CRACKS @ 15', 19'	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3492	NS2-7-2-1W	NS2-7-2-1NW	26.0	12.0	VCP	MULT CRACKS @ 9'-17'; HEAVY ROOTS @ 21'		6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3493	NS2-7-2-1	NS2-7-2-1W	47.0	12.0	VCP	LINE FULL OF ROOTS AT BEGINNING, TRAP ON UPSTREAM CB; LINE CANNOT BE COMPLETED	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3496	NS2-1-7A	NS2-1-7AS	48.0	12.0	VCP	Med OS joint(12', 21', 25', 31', 43')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3497	NS2-5-1A	NS2-5-1ASW	57.0	12.0	VCP	OFFSET JOINTS @ 33'-45'	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3504	NS3-1-5AN	NS3-1-5ANNW	27.0	12.0	VCP	MULT CRACKS @ 11'-END OF LINE	NONE	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3505	NS3-1-5A	NS3-1-5AN	37.0	12.0	VCP	MULT CRACKS THROUGHOUT; HINGE CRACKING (4) @ 9'-28'; RESTRICTED TO 4" AT CB	NONE	7.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3506	NS3-1-5ASW	NS3-1-5ANW	26.0	24.0	VCP	CRACKS @ END OF LINE; DEPOSITS THROUGHOUT	NONE	3.91				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3507	NS3-1-5A	NS3-1-5ASW	62.0	12.0	VCP	MULT CRACKS THROUGHOUT; REDUCED TO 4" AT CB	NONE	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3508	EH-32-1NNE	EH-32-1NE	75.0	12.0	RCP	Spiral crack(53'), Med Separated joint(64')	None	3.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3509	NS3-1ASE	NS3-1AE	31.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3511	NS3-1ASSE	NS3-1ASSW	27.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW3512	NS3-1A	NS3-1ASSE	43.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	5.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3513	NS3-1ASW	NS3-1ANW	26.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3514	NS3-1ASW	NS3-1A	47.0	12.0	VCP	MULT CRACKS THROUGHOUT; REDUCED TO 4" AT CB	NONE	5.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3515	NS3-1-3AWSW	NS3-1-3AW	27.0	12.0	VCP	LONG CRACK @ 23'; DEPOSITS THROUGHOUT	NONE	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3516	NS3-1-3A	NS3-1-3ANW	33.0	12.0	VCP	LONG CRACKS @ 13'-15'	NONE	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3520	NS6-2-1A	NS6-2-1AE	24.0	12.0	RCP	Med OS joints(10', 16', 20')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3522	NS6-2-1A	NS6-2-1AN	33.0	12.0	VCP	Broken(13')	Dig Mainline	10				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3524	NS3-1N	NS3-1NE	28.0	12.0	VCP	MULT CRACKS THROUGHOUT; SAG @ 13'; LARGE OFFSET @ 16'; MSA DUE TO OFFSET. REVERSAL: REACHED POINT OF PREVIOUS INSPECTION, LINE COMPLETE	Dig Mainline	9				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3527	NS3-1A	NS3-1ANE	23.0	12.0	VCP	MULT CRACKS THROUGHOUT; REDUCED TO 4" AT CB	NONE	5.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3528	N8A-1	BULKHEAD WEST	64.4	12.0	RCP	NOTE LINE NOT ON MAP. JOM @ 33', 36', 51', 55'; LR (VCP ELBOW) @ 60', BULKHEAD VISIBLE 4' AHEAD	NONE	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3530	NS2-5-1A	NS2-5-1ANW	31.0	12.0	VCP	MULT CRACK @ 30'	NONE	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3531	NS2-3-3NE	BLIND TAP	38.0	12.0	VCP	LONG CRACKS @ 21'-28'	NONE	6.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3534	NS2-3-3	NS2-3-3N	33.0	12.0	VCP	MULT CRACK @ 8'-END OF LINE	NONE	5.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3536	NS2-3-3	NS2-3-2	36.0	12.0	VCP	MULT CRACK @ 13'-END OF LINE	REPLACE MH NS2-3-2; AT LEAST REPLACE CHIMNEY AND INSTALL BENCH AND CHANNEL	10				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ -	\$ -	\$ 6,000.00
SW3539	NS2-8-2ASE	BLIND TIE	21.0	12.0	VCP	MULT CRACKS @ 9'-END OF LINE	NONE	5.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW3540	NS2-8-2A	NS2-8-2ANE	31.0	12.0	VCP	MULT CRACKS @ 17'-END OF LINE	NONE	6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3542	NS2-7-2-1	NS2-7-2-1NE	38.0	12.0	VCP	OFFSET JOINT AT 24'	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3544	NS2-6BE	NS2-6BSE	26.0	12.0	VCP	MULT CRACKS @ 8'-END OF LINE	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3550	EH-25NW	EH-25S	27.0	12.0	VCP	CH3 @ 8'-11'; DAE THROUGHOUT	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3553	NS2-5-1ASE	BLIND TIE	14.0	12.0	VCP	OFFSET JOINT @ 10'	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3554	NS2-5-1ANE	BLIND TIE	9.0	12.0	VCP	NO DEFECTS OBSERVED			2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3558	NS2-3-2	NS2-3-2SW	40.0	12.0	VCP	LONG CRACKS THROUGHOUT; TRAP AT CB	NONE	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3559	NS2-3-1	NS2-3-1S	23.0	12.0	VCP	MULT CRACKS @ 15'; TRAP AT CB	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3561	NS2-4-1	NS2-4-1SE	24.0	12.0	VCP	MULT CRACKS @ 13'	NONE	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3562	NS2-1	NS2-1N	9.0	12.0	RCP	LONG CRACK @ 7'	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3563	NS2-1	NS2-1NW	27.0	12.0	VCP	LONG CRACKS THROUGHOUT; 2' PVC SECTION @ 20'	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3572	NN66-12	NN66-12NE	51.9	12.0	CMP	TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3573	NN66-11	NN66-11NE	49.5	12.0	CMP	TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3574	NN70-1-3	NN70-1-3N	18.0	12.0	RCP	Size reduciton to 8"(17')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3575	NN70-1-3N	NN70-1-3NW	39.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3576	NN70-1-1N	NN70-1-1NW	38.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3577	NN70-2-1S	NN70-2-1	29.0	12.0	VCP	Long. Crack(11'), Size change to 8"(22'), Size change to 12"(28')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3578	NN70-2-1S	NN70-2-1SW	27.0	12.0	VCP	Mult Crack(7', 10')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3579	NN70-2-2	NN70-2-2N	16.0	12.0	RCP	Alignment left(12')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3580	NN70-2-2	NN70-2-2NW	36.0	12.0	RCP	Med OS joint(7', 10'), LT MD at joints(19', 22', 25', 28')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3581	NN70-1-5	NN70-1-5NE	37.0	12.0	RCP	Size reduction to 8"(36')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3582	NN66-6B	NN66-6BN	28.0	12.0	VCP	Long. Crack(2'), Mult Crack(17', 19', 21'), Size change to 10"(25'), Size change to 12"(27')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00		
SW3583	NN66-6A	NN66-6ANW	56.0	12.0	VCP	Mult Crack(10', 35'), Size reduction to 10"(54'), Size change to 12"(55')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00		
SW3584	NN66-6ANE	NN66-6ANNE	2.0	6.0	VCP	Survey abandoned(2')--turn in line	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3585	NN66-6A	NN66-6ANNE	49.0	12.0	VCP	Mult Cracks(6'-49'), Med Offset joint(45')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3586	NN66-6A	NN66-6ANNW	57.0	12.0	RCP	Mult Crack(7'), Med OS joint(47', 49', 52')	None	3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3587	NN66-6	NN66-6NE	51.0	12.0	VCP	Long. Crack(9'), Mult Crack(12', 21', 24'), Size reduced to 8"(51')	None	5.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3588	NN66-6	NN66-6N	50.0	12.0	VCP	Long. Crack(19'), Med OS joint(47')	None	3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3589	NN66-6	NN66-6NW	39.0	12.0	VCP	Mult Cracks(24', 33', 35'), Size reduces to 10"(36')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00		
SW3590	NN66-6	NN66-6W	38.0	12.0	VCP	Mult and Long. Cracks T/O	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3591	NN66-7A	NN66-7AN	50.0	12.0	VCP	Mult Crack(12', 20', 26'), Long. Crack(19'), Lt MD at joints(0'-10'), Size reduction to 10"(28'), Size increase to 12"(36'), Med OS joint(42')	None	4.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3592	NN66-7A	NN66-7ANW	59.0	12.0	VCP	Mult Cracks T/O, Lt MD at joint(42')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW3593	NN66-7A	NN66-7ASW	36.0	12.0	VCP	Mult Cracks(6'-27', 34')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW3594	NN66-7A	NN66-7AS	27.0	12.0	VCP	Med OS joints(8'-27')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3595	NN66-8ANW	BLIND TAP	38.0	12.0	VCP	Med OS joint(37')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3596	NN66-8A	NN66-8AN	48.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3597	NN66-9	NN66-9SW	38.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3598	NN66-9NW	NN66-9SW	27.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3599	NN66-16	NN66-16A	52.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3600	NN70-1-7	NN70-1-7NW	37.0	12.0	RCP	Spiral Crack(11'), Size reduction to 8"(36')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3601	NN70-1-6NW	NN70-1-6N	37.0	12.0	RCP	Long. Crack(15'), Spiral Crack(22')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3602	NN70-1-6	NN70-1-6N	18.0	12.0	RCP	Size reduction to 8"(17')	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3603	NN70-1-5	NN70-1-5N	45.0	12.0	RCP	Long. Crack(10', 34'), Size reduction to 8"(44')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3604	NN70-1-5	NN70-1-5S	18.0	12.0	RCP	Size reduction to 8"(16')	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3605	NN70-1-5W	NN70-1-5S	40.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3606	NN70-1-4N	NN70-1-4NW	48.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3607	NN70-1-4	NN70-1-4N	44.0	12.0	RCP	Pipe size reduction to 8"(43')	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3608	NN70-1-4	NN70-1-4W	52.0	12.0	RCP	Long. Crack(11', 23'), Brick in line(51'), Size reduction to 8"(51')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3609	NN70-1-1	NN70-1-1N	34.0	12.0	RCP	Size reduction to 8"(33')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3610	NN70-1N	NN70-1NW	39.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3611	NN70-1N	NN70-1	39.0	12.0	RCP	Long. Crack(18', 32')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3612	NN70-1W	NN70-1	76.0	12.0	RCP	Long. Crack(12', 17', 56'), Mult Crack(45'), Lt MD at joints(18', 36')	None	5.75				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3613	NN66-15	NN66-15SW	41.0	10.0	CMP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3614	NN66-15NW	NN66-15SW	37.0	10.0	CMP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3615	NN66-9ANE	BLIND TAP	40.0	12.0	VCP	Mult Crack(6'-23'), Med OS joint(35', 38')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3616	NN66-13SW	NN66-13NW	36.0	10.0	CMP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3617	NN66-13	NN66-13SE	35.0	10.0	CMP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3618	NN66-7C	NN66-7CNE	25.0	12.0	VCP	Lt Roots at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3619	NN66-7C	NN66-7CE	3.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3620	NN66-5B	NN66-5BW	13.0	12.0	VCP	Mult Crack(9')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3621	NN66-5B	NN66-5BN	28.0	12.0	VCP	Mult crack(10', 15', 16', 20')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3622	NN70-2-3	NN70-2-3SW	52.0	12.0	RCP	Mult Fracture(14'), Mult Crack(16', 42'-52'), Long. Fracture(19'), Lt Roots at joints T/O, Pipe size reduction to 3"(52")	Dig Mainline	6.4				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3623	NN70-2-3B	NN70-2-3BSE	50.0	12.0	VCP	Mult Cracks(14'-50'), Pipe size reductio to 6"(50')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3624	NN70-2NW	NN70-2N	29.0	10.0	VCP	Change to PVC(23')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3625	NN70-2	NN70-2NW	79.6	12.0	RCP	MATERIAL CHANGE @ 57' (VCP); ALIGNMENT RIGHT (30%) @ 57'	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3626	NN70-2NE	NN70-2	20.0	12.0	RCP	Mult Crack(8'-14'), Broken(17'), Long. Crack(18')	Dig Mainline	8.25				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3627	NN66-5A	NN66-5ANE	23.0	12.0	VCP	Survey abandoned(23')--broken pipe	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3628	NN66-5A	NN66-5AN	57.0	12.0	VCP	Broken(23'), Long. Crack(32', 46', 49'), Mult Crack(34'-46', 50', 52'), Survey abandoned(57')--Collapse	Sent collapse to city(5-23/17), Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3629	NN66-5A	NN66-5ANW	24.0	12.0	VCP	Mult Crack(6'-24'), Long. Fracture(17'), Broken(23')	Dig Mainline	7				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3630	NN66-5A	NN66-5AW	51.0	12.0	VCP	Mult Crack T/O, Lt Roots at joints(39', 47'), Hvy Roots at joint(50'), Size reduction to 10"(50")	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3631	NN66-1-6	NN66-1-6NW	29.0	12.0	VCP	Mult Crack(14', 19', 22', 23'), Alignment up(28')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW3632	NN66-1-6	NN66-1-6NE	13.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3634	NN66-1-5	NN66-1-5SW	41.0	12.0	RCP	Long. Crack(27'), Med OS joint(29', 32', 35'), Size reduction to 8"(40')	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3635	NN66-1-5	NN66-1-5E	18.0	12.0	RCP	Lt Roots at joints(8', 14', 18')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3636	NN66-1-5SE	NN66-1-5	16.0	12.0	VCP	Lt Roots at joints(6', 8', 12', 16'), Survey abandoned(16')--Roots	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3637	NN66-1-3	NN66-1-3W	25.0	12.0	RCP	Long. Crack(11'), Med OS joint(14', 17'), Size reduction to 10"(24")	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3638	NN66-1-3E	NN66-1-3NE	38.0	12.0	VCP	Lt Roots at joints T/O, Survey abandoned(21')--Roots, Reverse Setup--Lt Roots at joints T/O, Survey abandoned(17')--Roots	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3639	NN66-1-3	NN66-1-3E	23.0	12.0	RCP	Med OS joint(8', 14'), Lt MD at joint(11'), Size reduction to 4"(18")	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3640	NN66-1-3NE	NN66-1-3SE	9.0	12.0	VCP	Lt Roots at joint(8'), Survey abandoned(9')--Roots	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3641	NN66-1-2	NN66-1-2N	8.0	10.0	RCP	Lt Roots at joint(8')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3642	NN66-1-1	NN66-1-W	51.2	12.0	VCP	MULTIPLE CRACKS @ 9'; MATERIAL CHANGE @ 30' (RCP); VCP TRAP @ CB	NONE	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3645	NN66-2	NN66-2W	15.0	10.0	VCP	Spiral Crack(10'), Alignment right(14')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3646	NN66-2	NN66-2SE	11.0	10.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3647	NN66-12	NN66-12SE	39.0	10.0	CMP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3648	NN66-12SE	NN66-12E	35.0	10.0	CMP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3649	NN66-8	NN66-8NW	40.0	12.0	VCP	Mult Crack(27', 29', 31'), Lt Roots at joints T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3650	NN66-8	NN66-8N	51.0	12.0	VCP	Lt MD at joints(7', 13', 15')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3651	NN66-9N	NN66-9NNW	27.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3652	NN66-9	NN66-9N	94.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3653	NN66-8	NN66-8NE	48.0	12.0	VCP	Long. Crack(8', 14'), Lt MD at joints(15'-27')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3654	NN66-8	NN66-8SW	33.0	12.0	VCP	Long. Crack(11', 20'), Mult Crack(13', 23')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3655	NN66-7	NN66-7SW	25.0	12.0	VCP	Survey abandoned(24')--Collapse, Reverse--Survey abandoned(1')--Roots	Dig Mainline --sent to city	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3656	NN66-7	NN66-7NW	41.0	12.0	VCP	Mult Crack(8'), Lt Roots at joints(31', 37'), Size reduces to 8'(39')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3657	NN66-7	NN66-7NNW	46.0	12.0	VCP	Long. Crack(16'), Lt Roots at joins T/O, Survey abandoned(46')--Bend in line	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3658	NN66-6NNW	BLIND TAP	1.0	10.0	VCP	Survey abandoned(1')--Roots	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3659	NN66-5	NN66-5NW	40.0	12.0	VCP	Mult Crack(16'-37'), Long Ctack(38')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW3660	NN66-5	NN66-5SW	29.0	12.0	VCP	Size reduction to 4"(29')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3661	NN66-5	NN66-5S	31.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3662	NN66-5	NN66-5SE	34.0	10.0	RCP	Long. Crack(25')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3663	NN66-5E	BLIND TAP	30.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3664	NN66-5	NN66-5N	47.0	12.0	VCP	Long. Cracks T/O, Mult Crack(38')	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3665	NN66-4NW	NN66-4NNW	27.0	12.0	VCP	Med OS joints(19', 22', 24')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3666	NN66-4	NN66-4NW	140.0	12.0	VCP	Hinge Crack(10'), Mult Cracks and Med OS joints T/O, Size reduction to 3"(140')	Dig Mainline (140'-142') FCIPP	6	140			\$ 8,400.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 16,900.00
SW3668	NN66-3	NM66-3NE	51.0	12.0	VCP	Mult Crack(28'), Lt Roots at joints(36'-51')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3669	NN66-3	NN66-3N	52.0	12.0	VCP	Med OS joint(6'), Hole(9'), Long. Crack(13'), Mult Crack(22'), Broken at repair(32')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3670	NN66-3W	NN66-3NW	26.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3671	NN66-3	NN66-3W	39.0	12.0	VCP	Survey abandoned(1')-Large OS	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3672	NN66-2-2	NN66-2-2NW	25.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3673	NN66-3SE	NN66-3	37.0	10.0	VCP	Large OS joint with soil visible(37'), Med MD at joint(8'), Lt Roots at joint(37')	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3675	NN66-10SW	NN66-10S	27.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3676	NN66-1-2NW	NN66-1-2	29.0	12.0	VCP	Lt Roots at joints T/O, Med OS joint(27')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3677	NN66-10-2SW	NN66-10-2NW	34.9	12.0	CMP	NONE	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3678	NN66-10-2	NN66-10-2SW	41.7	12.0	CMP	PVC PIECE AT END OF LINE	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3679	NN66-10-3W	NN66-10-3NW	34.9	12.0	CMP	NO DEFECTS OBSERVED	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3680	NN66-10-3	NN66-10-3W	36.0	12.0	CMP	PVC TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3681	NN66-10-4	NN66-10-4NE	47.6	12.0	CMP	TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3682	NN66-10-4SW	NN66-10-4NW	34.9	12.0	CMP	NO DEFECTS OBSERVED	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3683	NN66-10-4	NN66-10-4SW	58.3	12.0	CMP	TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3690	NN66-7-2	NN66-7-2N	22.0	12.0	VCP	LONG CRACKS @ 9'-11': TRAP AT CB	NONE	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3691	NN66-8-1	NN66-8-1S	7.0	12.0	VCP	MULT CRACKS @ 5'; DEPOSITS COMPACTED @ 5'; MATERIAL CHANGE TO RCP AT END OF LINE, LOOKS OFFSET	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3692	NN66-8-1	NN66-8-1NE	22.0	12.0	VCP	CH4 @ 5'-7', 15'; MATERIAL/SIZE CHANGE @ 8' (PVC, 8"). CANNOT TELL IF THERE IS A TRAP DUE TO SIZE CHANGE	NONE	7.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3693	NN66-8-2NW	NN66-8-2	50.0	12.0	VCP			5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3694	NN66-8-2	NN66-8-2W	42.0	12.0	VCP	MULT CRACKS THROUGHOUT; MATERIAL CHANGE @ 26'(RPM), 37'(PVC); CAMERA CANNOT PASS PVC SECTION	NONE	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3695	NN66-8-2	NN66-8-2NE	55.0	12.0	VCP	MULT CRACKS THROUGHOUT; TAP ROOTS @ 9', 31', 35', 50'; HEAVY ROOTS @ 50'; TRAP AT CB	NONE	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3696	NN66-8-2	NN66-8-2N	60.0	12.0	VCP	MULT CRACKS @ THROUGHOUT; LONG CRACKS @ 11'-17'; OFFSET JOINT WITH ALIGNMENT RIGHT (45%) @ 53'; CB 8' AHEAD, TRAP AT CB	NONE	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3697	NN66-9-1	NN66-9-1SW	9.0	12.0	VCP	MULT CRACKS; RESTRICTED/TRAPPED TO 4" AT CB	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3698	NN66-9-1SW	NN66-9-1NW	26.0	12.0	VCP	MULT CRACKS THROUGHOUT; ROOTS THROUGHOUT	NONE	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3699	NN66-9-1-1	NN66-9-1-1NW	51.0	12.0	VCP	MULT CRACKS THROUGHOUT; MATERIAL CHANGE @ 43'(RCP); HEAVY ROOTS @ 44'; CAMERA CANNOT PASS; CB VISIBLE, APPEARS TO BE A TRAP	NONE	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3700	NN66-9-1-1	NN66-9-1-1SW	48.0	12.0	VCP	MULT CRACKS THROUGHOUT; MATERIAL CHANGE @ 40' (RCP); TRAP AT CB	NONE	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3701	NN66-9-1-3	NN66-9-1-3NE	22.0	12.0	RCP	LONG CRACK @ 8'-15'; MAT CHANGE @ 16' (PVC)	NONE	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3702	NN66-9-1-3	NN66-9-1-3S	6.0	12.0	RCP	TRAP AT CB, BACKED UP	VAC OUT CB, BACKING UP INTO TRAP	6				\$ -									\$ -	\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3703	NN66-9-4	NN66-9-4SE	8.0	12.0	VCP	MULT CRACKS @ 6'; RESTRICTED TO 4" AT CB	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3704	NN66-9-4SE	NN66-9-4NE	28.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS SETTLED @ 15'	NONE	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3706	NN66-5-2	NN66-5-2S	24.0	10.0	RCP	Med OS joint(6'), Lt Roots at joints(14'), Size reduces to 4"(24")	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3707	NN66-5-2S	NN66-5-2SW	26.0	12.0	VCP	Lt Roots at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3710	NN66-5-2NNE	NN66-5-2N	26.0	12.0	VCP	Lt Roots at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3711	NN66-5-2	NN66-5-2NNE	37.0	10.0	RCP	Mult Crack(2'), Lt Roots at joints(26', 29')	Dig Mainline	6				\$ -									\$ -	\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3713	NN66-7	NN66-7NNE	38.0	12.0	VCP	Mult Crack(26', 28', 31'), Survey abandoned(38')-roots	Dig Mainline	6				\$ -									\$ -	\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3714	NN66-7NE	BLIND TAP	17.0	12.0	VCP	Lt Roots at joints T/O, Survey abandoned(17')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3715	NN66-7	NN66-7SE	105.0	12.0	VCP	Mult Crack (19'-28', 34'). Med OS joint(90'-105'), Lt Roots at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3716	NN66-6NE	NN66-6NNE	123.0	10.0	RCP	Med OS joint(11', 63')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3717	NN66-4D	NN66-4DSE	62.0	10.0	VCP	Med OS joints T/O, Mult Crack(12'-15'-20'), Lt Roots at joints(40', 61')	Dig Mainline	6				\$ -									\$ -	\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3718	NN66-4DE	BLIND TAP	37.0	10.0	VCP	Long. Crack(11'), Mult Crack(31'), Lt Roots at joints(23', 26', 29', 32')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3720	NN66-2	NN66-2-2NE	6.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3721	NN66-10	NN66-10S	39.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3722	NN66-10-1	NN66-10-1SW	56.0	12.0				2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3723	NN66-4-1	NN66-4-1SW	13.0	12.0	VCP	Lt Roots at joints(7', 9'-13')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3724	NN66-4-1	NN66-4-1NW	23.0	24.0	VCP	Med OS joints(18', 20', 22'), Lt Roots at joints(6'-16')	None	2.3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3726	NN66-4-2	NN66-4-2W	5.0	12.0	VCP	Med Roots at joint(5')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3729	NN66-10-2	NN66-10-2NNW	51.6	12.0				2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3730	NN66-8-2	NN66-8-2SW	33.0	12.0	RCP			5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3731	NN66-8-2S	Blind Tap	22.0	12.0	RCP			4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3733	NN66-8-3	NN66-8-3SE	91.0	12.0	RCP	LONG CRACK @ 33'; TAP FROM CB @ 75'; TRAP AT CB	NONE	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3734	NN66-7-1ASW	NN66-7-1A	17.0	12.0	RCP	MULT CRACKS @ 5', 9'. TRAP AT CB	NONE	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3735	NN66-7-1A	NN66-7-1ANW	23.0	12.0	VCP	MULT CRACKS THROUHGOUT. TRAP AT CB	NONE	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3736	NN66-7-1A	NN66-7-1ANNW	44.0	12.0	VCP	LONG CRACKS @ 13', 24', 30'; MULT CRACKS @ 21'; ROOTS THROUGHOUT; TAP FROM CB (1ANE) @ 19'. TRAP AT CB	NONE	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3740	NN66-7-3	NN66-7-3WSW	135.0	12.0	VCP	SPIRAL CRACKS @ 7', 16'; LONG CRACK @ 34'; MULT CRACKS @ 43'; TF @ 107'(3). TRAP AT CB	NONE	3.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3741	NN66-5-1	NN66-5-1NW	17.0	12.0	VCP	Mult Crack(10'), Med OS joint(15'), Lt Roots at joint(13')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3742	NN66-5-1	NN66-5-1SW	12.0	10.0	RCP	Lt Roots at joints(12')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3743	NN66-4-2	NN66-4-2N	23.0	12.0	VCP	Med OS joint(22')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3747	NN54-5-4	NN54-5-4W	17.0	12.0	VCP	Spiral Crack(6'), Mult. Crack(7'), Med OS joint(10'), Long. Crack(15'), Lt Roots at joints(10', 13', 15')	None	4				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW3748	NN54-5-4	NN54-5-4NW	29.0	12.0	VCP	Long. Crack(7', 13', 19'), Mult crack(9', 15'), Lt Roots at joint(21')	None	4.6				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW3749	NN54-5-2	NN54-5-2N	36.0	12.0	VCP	Long. Cracks T/O, Mult Crack(10', 12', 22')	None	4.2				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW3750	NN54-5-2	NN54-5-2W	28.0	12.0	VCP	Mult Crack(6', 12', 17'), Long. Crack(6', 9'), Hinge Fracture(10')	None	4.6				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW3751	NN54-6-3	NN54-6-3NE	44.0	12.0	VCP	Hinge Fractures(5'-16', 18'-27'), Mult Crack(33', 39'), Pipe reduces to 4"(41')	Dig Mainline	6.6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3752	NN54-6-2-1	NN54-6-2-1W	23.0	12.0	VCP	Mult Crack T/O, Spiral Crack(15', 17'), Long. Crack(16'), Lt MD at joints T/O	None	5.4				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW3753	NN54-6-2-1	NN54-6-2-1N	32.0	12.0	VCP	Med OS joint(7'), Long. Crack(14'), Lt MD at joints T/O	None	3.4				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW3754	NN54-6-4	NN54-6-4W	50.0	12.0	VCP	Mult Cracks T/O, Pipe reduces to 4"(48')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3755	NN54-6-4W	NN54-6-4NW	29.0	12.0	VCP	Mult Cracks T/O, Med OS joint(5'-29'), Lt MD at joints(6', 16', 21')	None	4				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW3756	NN54-6-3S	NN54-6-3SE	18.0	12.0	VCP	Mult Crack(5', 8'), Hinge Fracture(5'), Spiral Fracture(12')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3757	NN54-6-3SW	NN54-6-3SE	101.0	12.0	VCP	Long. Crack(10', 22', 71'), Mult Crack(15', 31', 43', 50'-101'), Lt MD at joints(7'-36'). Pipe reduces to 4"(100')	FCIPP	6	101			\$ 6,060.00									\$ -		\$ -		\$ -	\$ -	\$ -	
SW3758	NN54-6-1	NN54-6-1SE	43.0	12.0	VCP	Mult Crack(14', 17', 26'), Long. Crack(39'), Lt MD at joints T/O, Pipe reduces to 4"(40')	None	5.4				\$ -								\$ -		\$ -		\$ -	\$ -	\$ -		
SW3759	NN54-4-1	NN54-4-1NE	42.0	12.0	VCP	Mult Cracks T/O, Lt MD at joints(6', 22'), Size reduction to 4"(39')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3760	NN54-4-1N	NN54-4-1NE	19.0	12.0	PVC	Lt MD at joints(10'-19')	None	2				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW3761	NN59-1E	NN59-1A	59.4	12.0	VCP	HINGE FRACTURING (3) @ 30'-33', MULTIPLE FRACTURES @ 43'	Dig Mainline	7.5				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3762	NN58-3	NN58-3E	9.0	12.0	VCP	Long. Crack(7'), Lt Roots at joint(7'), Bend in line(8')	None	4				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3763	NN58-3	NN58-3W	24.0	12.0	VCP	Hinge Crack(5'-9'), Hinge Fracture(13'), Med Roots at joints(19', 21', 23')	Dig Mainline	7.6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3764	NN58-4	NN58-4W	28.0	12.0	VCP	Med OS joint(17'), Long. Crack(18', 22', 23')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3765	NN58-7	NN58-7NE	8.0	12.0	VCP	Mult Crack(7')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3766	NN58-7	NN58-7NW	26.0	12.0	VCP	Long. Crack(24'), Long. Fracture(24')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3767	NN54-4-5	NN54-4-5W	29.0	12.0	VCP	Mult Crack(5', 9', 12'), Long. Crack(8', 11', 14')	None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3768	NN54-4-5	NN54-4-5NW	72.0	12.0	RCP	Lt H2S damage T/O, Long. Crack(8', 44'), Lt MD at joints(8', 11', 14', 17')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3769	NN54-4-3	NN54-4-3NW	48.0	12.0	VCP	Mult and Long. Cracks T/O	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3770	NN54-4-3	NN54-4-3W	42.0	12.0	VCP	Long. Cracks T/O, Lt MD at joints(14', 16', 20'), Mult Crack(28')	None	4.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3773	NN56-6NE	NN56-6E	29.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3774	NN56-6	NN56-6E	33.0	12.0	RCP	Backflow preventer(32')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3775	NN56-5	NN56-5NW	26.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3776	NN56-5	NN56-5W	54.0	12.0	PVC	Med Angular joint(8')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3777	NN54-4-2	NN54-4-2N	63.0	12.0	RCP	Long. Crack(22'), Lt H2S damage T/O, Backflow preventer(61')	None	3.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3778	NN54-4-2W	NN54-4-2NW	26.0	12.0	RCP	Rebar visible(6', 15')	None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3779	NN54-5-1	NN54-5-1N	40.0	12.0	RCP	Rebar projecting(11', 19'), Backflow preventer(38')	None	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3780	NN54-5-1W	NN54-5-1NW	28.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW3781	NN54-5-1W	NN54-5-1	17.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3782	NN54-6-3	NN54-6-3SW	30.0	12.0	RCP	Rebar visible(20'), Backflow preventer(30')	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3783	NN54-6-3W	NN54-6-3NW	28.0	12.0	RCP	Settled deposits(7'), Surface roughness increased(21')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3784	NN54-6-3	NN54-6-3W	47.0	12.0	RCP	Backflow preventer(45')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3785	NN54-6-2	NN54-6-2E	20.0	12.0	RCP	Backflow preventer(19')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3786	NN54-6-2W	NN54-6-2NW	38.0	12.0	RCP	Rebar visible in locations T/O, Lt MD at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3787	NN54-6-2	NN54-6-2W	23.0	12.0	RCP	Rebar visible(12'), Backflow preventer(21')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3789	NN66-8-4	NN66-8-4SE	6.0	12.0	RCP	LONG CRACK @ 2'; VCP ELBOW INTO CB @ 2'	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3790	NN66-9-1-4	NN66-9-1-4NW	24.0	12.0	RCP	LONG CRACK @ 9', 12'; TRAP AT CB	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3791	NN66-9-1-4	NN66-9-1-4SW	12.0	12.0	RCP	TRAP AT CB	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3793	NN66-5-9	NN66-5-9NW	22.0	12.0	VCP	MULTIPLE CRACKS @ 7'; MATERIAL CHANGE @ 15' (RCP); APPEARS TO BE TRAP AT CB	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3794	NN66-9-5SE	NN66-9-5	9.0	12.0	VCP	CIRCUMFERENTIAL CRACK@ 6'	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3795	NN66-9-5SE	NN66-9-5NE	30.0	12.0	VCP	MULT CRACKS THROUGHOUT	NONE	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3799	NN56-5	NN56-5SE	17.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3800	NN56-3S	NN56-3W	29.0	12.0	VCP	Mult Crack(5'-29'), Med OS joint(22'), Surface wall missing(28'), Lt Roots at joints(6'), Lt MD at joint(25')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3801	NN54-6-3	NN54-6-3E	138.0	12.0	VCP	Med OS joints, Long. Cracks and Mult Cracks T/O, Pipe reduces to 4"(137")	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW3802	NN54-6-2	NN54-6-2N	64.0	12.0	RCP	Lt MD at joints(10', 59'), Rebar visible(12')	None	3.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3804	N56	N56NW	51.9	12.0	RCP	SPIRAL CRACK @ 12'; LARGE OFFSET JOINTS A @ 28', 31'; MATERIAL CHANGES @ 25' (VCP), 31' (RCP)	NONE	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3806	NN56-2N	NN56-2NW	30.0	12.0	VCP	Mult Crack(5'-30'), Broken(29'), Lt MD at joints T/O	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3807	NN56-2	NN56-2N	13.0	12.0	PVC	No defects observed	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3810	NN66-8-4	NN66-8-4NE	25.0	12.0	VCP	LONG CRACK @ 15'; 1' RCP SECTION JUST BEFORE TRAP AT CB	NONE	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3811	NN66-7-3	NN66-7-3NE	23.0	12.0	VCP	LONG CRACK @ 17'. TRAP AT CB	NONE	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3818	NN42-6-A1	NN42-6-A1WSW	22.3	12.0	RCP	OFFSET JOINTS @ 8', 16'	NONE	2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3819	NN42-6-1	NN42-6-1NW	59.0	12.0	RCP	NO CALLOUTS MADE/NO VIDEO REVIEWED	NONE	2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3822	NN42-6-2	NN42-6-2NW		12.0	RCP	MSA @ 15' DUE TO BULKHEAD. REVERSAL DONE ON SW4025, GIS HAS SEPARATED IT INTO TWO DIFFERENT LINES	NONE	2.5				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3823	NN42-6-2ASE	NN42-6-2ASW	26.8	12.0	RCP	OFFSET JOINT @ 17'	NONE	2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3825	NN42-4SW	NN42-4	29.0	10.0	RCP		Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3826	NN54-4W	NN54-4NW	27.0	12.0	VCP	Mult. Crack(10', 19'), Long. Crack(25'), Lt MD at joints(7', 8', 13')	None	5.4				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3827	NN54-4	NN54-4W	45.0	12.0	VCP	Mult Crack(7', 11', 12', 20', 26', 30', 36'), Long. Crack(10', 15', 33', 34'), Hinge Fracture(26', 28'), Size reduction to 4"(43")	None	5.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3828	NN54-4	NN54-4NNW	52.0	12.0	VCP	Long. Crack(5', 9', 24', 26', 30'), Mult Crack(7', 11', 15', 16'-29', 31', 33'-52'), Hinge Fracture(37', 41')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3829	NN54-4	NN54-4N	45.0	12.0	PVC	No defects observed	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3830	NN54-4	NN54-4NE	47.0	12.0	VCP	Lt MD at joints(18', 21', 24')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
SW3831	NN51-5	NN51-5W	30.0	12.0	VCP	Long. And Mult. Cracks T/O, Size reduction to 4"(26')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3832	NN51-4N	NN51-4NNW	28.0	12.0	VCP	Long. Crack(13', 14'), Long. Fracture(13'), Mult Crack(19', 22', 25'), Lt Roots at joints(6', 12')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3833	NN51-4SW	NN51-4NW	28.0	12.0	VCP	Med OS joint(9'), Spiral Crack(18'), Long. Crack(24'), Lt MD at joints(18', 21', 25')	None	3.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3834	NN51-4	NN51-4SW	53.0	12.0	VCP	Mult crack(5', 18', 43', 49'), Long. Cracks T/O, Lt MD at select joints T/O, Pipe reduction to 4"(51')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3835	NN51-4N	NN51-4	49.0	12.0	VCP	Long. Crack(7', 19', 24'), Mult Crack(8', 15', 23', 26'-49'), Long. Fracture(45'), Lt Roots at joints(8', 10', 13')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3836	NN51-4	NN51-4E	24.0	12.0	VCP	Mult Cracks(5', 8', 13', 16'), Size reduction to 4"(23')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3837	NN51-4E	NN51-4NE	27.0	12.0	VCP	Mult Crack(16', 21'), Long. Crack(25'), Lt MD at joints T/O	None	5.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3838	NN51-4	NN51-4S	20.0	12.0	VCP	Med OS joint(8', 11'), Mult Crack(9', 12', 14'), Large OS joint(16'), Size reduction to 4"(18')	None	4.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3839	NN51-4S	NN51-4SSW	29.0	12.0	VCP	Spiral fracture(7'), Long. Crack(15'), Lt MD at joints(7', 10', 13', 17', 23')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3840	NN49-5	NN49-5NW	35.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3841	NN49-5	NN49-5N	22.0	12.0	VCP	Long. Crack(7', 10', 21'), Lt Roots at joint(10'), Mult Crack(17')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3842	NN49-4	NN49-4NNW	58.0	12.0	VCP	Spiral Crack(7', 36'), Long. Crack(25', 32', 34', 36', 44'), Mult Crack(52'), Defective patch(52')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3843	NN49-4W	NN49-4NW	28.0	12.0	VCP	Mult Crack(6', 18', 22', 24'), Spiral Crack(27'), Lt MD at joints(5', 9', 14', 21')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3844	NN49-4	NN49-4W	52.0	12.0	VCP	Mult. Crack(13', 16', 20', 23'), Lt MD at joints(6', 22', 28'), Size reduction to 4"(50')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3845	NN49-4A	NN49-4AS	19.0	12.0	VCP	Rocks(5'), Wall Missing(7'), Spiral Fracture(9'), Mult Crack(12', 16'), Pipe size reduces to 4"(18')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3846	NN49-4	NN49-4E	28.0	12.0	VCP	Long. Crack(6', 20'), Mult Crack(8', 10', 12', 23'), Size reduction to 4"(26')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3847	NN49-4NE	NN49-4E	28.0	12.0	VCP	Mult Crack(5'-9', 15', 22'), Lt MD at joints T/O	Dig Mainline	6.4				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3848	NN47-4SW	NN47-4NW	29.0	12.0	VCP	Mult Crack(19'), Med Angular Joint(25')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW3849	NN47-4	NN47-4SW	54.0	12.0	VCP	Long. Crack(12', 25', 27', 29', 31'), Mult Crack(44'), Sag(29'-43'), Size reduciton to 4"(52")	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3850	NN47-5A	NN47-5AS	20.0	12.0	VCP	Med OS Joint(7')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3851	NN47-5A	NN47-5ASW	32.0	12.0	VCP	Med OS joints(2', 8', 11', 16', 29'), Hole with void visible(30')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3852	NN47-4	NN47-4SE	27.0	12.0	VCP	Mult Crack(7'), Lt MD(20'), Lt Roots(24'), Size reduction to 4"(25")	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3853	NN47-4SE	NN47-4NE	27.0	12.0	VCP	Long. Crack(12'), Mult Crack(22')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3854	NN47-4AW	NN47-4A	27.0	12.0	VCP	Spiral Crack(7'), Med Os joint(19', 24'), Long. Crack(23'), Lt MD at joint(12')	None	3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3855	NN47-4A	NN47-4AS	21.0	12.0	RCP	Hole(8')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3856	NN47-5	NN47-5N	9.0	12.0	VCP	Long. Crack(8'), Med OS joint(8')	None	3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3857	NN47-5	NN47-5NW	27.0	12.0	VCP	Med OS Joints(5'-23'), Long. Crack(9', 17', 25'), Lt MD at joints(5'-13', 14')	None	3.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3858	NN44-4	NN44-4SW	52.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3859	NN44-4SW	NN44-4NW	27.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3860	NN44-5ANW	NN44-5AN	28.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3861	NN44-6W	NN44-6SW	28.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW3862	NN44-6SW	NN44-6	50.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW3863	NN44-6NW	NN44-6N	29.0	12.0	RCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3864	NN42-3SE	NN42-3	12.0	12.0	RCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3865	NN47-6W	NN47-6NW	27.0	12.0	VCP	Lt MD at joints T/O, Lt Roots at joints(11'-23')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3866	NN47-6	NN47-6W	50.0	12.0	VCP	Med OS joints T/O, Mult. Cracks(8', 26', 43'), Hole with void(35'), Lt Roots at joints(20', 26'-37', 38'), Size reduction to 4"(48")	Dig Mainline	6				\$ -								\$ -	\$ -	2	\$ 17,000.00		\$ -	\$ 17,000.00	
SW3867	NN47-6E	NN47-6NE	27.0	12.0	VCP	Lt MD at joints T/O, Lt Roots(17'), Med Roots(23')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3868	NN47-6	NN47-6E	24.0	12.0	VCP	Hinge Fracture(6'-12'), Long .Crack(13', 16', 21'), Size Reduciton to 4"(21")	Dig Mainline	7				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3869	NN47-6	NN47-6NNW	57.0	12.0	VCP	Med OS joints T/O, Long. Cracks T/O, Mult Crack(29', 44', 45', 47', 49', 55'), Hinge Fracture(47')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3870	NN47-6	NN47-6N	49.0	12.0	VCP	Long. Crack(9', 10', 12', 42', 44'), Hinge Fracture(17'-38'), Deformed(19', 29', 33'), Lt Roots at select joints T/O	Dig Mainline	7.6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3871	NN49-6E	NN49-6NE	28.0	12.0	VCP	Med OS joints(12', 15', 21'), Mult Crack(16', 20', 25'), Lt MD at joints(10', 18', 24')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3872	NN49-6	NN49-6E	26.0	12.0	VCP	Mult Crack(5', 14', 18', 21'), Size reduction to 4"(24")	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3873	NN49-6W	NN49-6NW	28.0	12.0	VCP	Long. Crack(6', 13'), Med OS joint(8', 11', 17', 23'), Mult Crack(16', 21', 25')	None	3.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3874	NN49-6	NN49-6W	56.0	12.0	VCP	Mult and Long. Cracks T/O, Size reduction to 4"(54")	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3875	NN49-6ANE	NN49-6ANW	28.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints(9', 21')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3876	NN49-6A	NN49-6ANE	14.0	12.0	VCP	Long. Cracks(6', 8', 9', 12'), Size reduction to 4"(13')	None	3.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3877	NN49-7	NN49-7SW	63.0	12.0	VCP	Mult and Long. Cracks T/O	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3878	NN49-7	NN49-7SE	57.0	12.0	VCP	Long. And Mult. Cracks T/O, Size reduction to 4"(55")	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
SW3879	NN47-7	NN47-7NW	32.0	12.0	VCP	Long. Crack(7'), Mult Crack(13'), Hole(24'), Hinge Fracture(24'), Lt MD at joints T/O	Dig Mainline	7.6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3882	NN54-6-3E	NN54-6-3NE	27.0	12.0	VCP	Mult Crack T/O, Lt Roots at joints T/O	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3884	NN51-6	NN51-6N	50.0	12.0	VCP	Long. Crack(6', 31'), Hinge Fracture(8'), Med OS joint(10', 12', 27', 36'), Size reduction to 4"(48")	None	3.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3885	NN51-6	NN51-6SE	26.0	12.0	VCP	Mult Crack(14', 21'), Long. Crack(18'), Size reduction to 4"(24")	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3886	NN51-6SE	NN51-6NE	28.0	12.0	VCP	Long. Crack(15'), Lt MD at joints T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3887	NN51-6	NN51-6S	30.0	12.0	VCP	Long. Crack(6', 14', 16', 18', 24'), Mult. Crack(16'), Large OS joint(26'), Survey abandoned(Offset joint)-no reverse due to reducer at upstream mh	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3888	NN51-6S	NN51-6W	27.0	12.0	VCP	Mult Crack(5', 7'-17'), Long. Crack(23'), Spiral Fracture(26')	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3889	NN54-6SW	BLIND TAP	30.0	12.0	VCP	Mult Crack(5', 10', 13', 19'), Long. Crack(6', 15', 21', 25'), Lt Roots at joints(6', 22', 25')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3890	NN54-6	NN54-6S	30.0	12.0	VCP	Med OS joint(11'), Long. Crack(15', 17'), Mult Crack(17'), Pipe reduces to 10"(24")	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3891	NN54-6	NN54-6W	46.0	12.0	RCP	Lt H2S damage T/O, Spiral Fracture(8'), Lt MD at joints(9', 16')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3892	NN54-6	NN54-6NW	56.0	12.0	VCP	Mult Crack(13', 21', 38', 40', 50'), Long. Fracture(24', 38', 43', 45', 46', 50'), Hole(47')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3893	NN54-6	NN54-6NNW	52.0	12.0	VCP	Long. Crack(11', 14', 16', 18', 28', 37', 43'), Hinge Fracture(39'-43'), Mult Crack(45')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3894	NN54-6	NN54-6N	47.0	12.0	VCP	Hinge Fracture(6', 8'-18'), Med OS joint(24'-47'), Mult Crack(39', 40')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3895	NN54-6	NN54-6SE	29.0	12.0	VCP	Long. Crack(7', 12'), Mult crack(8', 10', 14'), Lt MD at joint(19'), Pipe reduces to 4"(27")	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3896	NN54-5	NN54-5NW	37.0	12.0	VCP	Mult Crack(6', 12', 20'), Long. Crack(9', 10'-37'), Hinge Fracture(14'-18'), Pipe reduces to 10"(32")	Dig Mainline	7.2				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3897	NN54-5	NN54-5N	27.0	12.0	VCP	Mult Crack(8', 24'), Long. Crack(10', 12', 18', 19'), Lt MD at joints(5', 10'), Lt Roots at joint(14')	None	4.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3898	NN54-3N	NN54-3	15.0	12.0	VCP	Collapse, No video	Dig Mainline	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3903	NN47-2SW	BLIND TAP	40.0	12.0	VCP	Med OS joint(6', 20', 32', 35'), Long. Crack(25')	None	2.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3905	NN49-3NE	NN49-3NW	28.0	12.0	VCP	Mult Crack(8', 21'), Long. Crack(14', 16'), Lt MD at joints(6', 7', 12', 18'), Bend in line(25')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3906	NN49-3	NN49-3NE	9.0	12.0	VCP	Mult Cracks T/O, Defective reducer(9')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3907	NN51-3	NN51-3SW	26.0	12.0	VCP	Med OS joints T/O, Long. Crack(9', 17'), Bend in line(24')	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3909	NN47-8	NN47-8SE	88.0	12.0	VCP	Broken(16'), Mult Crack and Long. Cracks T/O	FCIPP	6	88			\$ 5,280.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,280.00	
SW3910	NN44-7NW	NN44-7N	29.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3911	NN54-6SE	NN54-6NE	27.0	12.0	VCP	Lt MD and Lt Roots at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3912	NN51-1	NN51-1E	9.9	12.0	VCP	OFFSET JOINT @ 9'. RESTRICTED WITH VCP TRAP AT EOL	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3913	NN42-6-3	NN42-6-3W	48.6	12.0	RCP	OFFSET JOINT @ 33'	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3914	NN75-2NW	NN75-2	30.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3915	NN75-4NW	NN75-4	28.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3916	NN75-5W	NN75-5	28.0	12.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3917	NN75-6NW	NN75-6	27.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3918	NN75-7N	NN75-7	13.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3919	NN75-7	NN75-7NW	29.0	12.0	VCP		Dig Mainline	5.6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3920	NN73-8	NN73-8N	12.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3921	NN73-7N	NN73-7	14.0	12.0	VCP		Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3922	NN73-7	NN73-7W	28.0	12.0	VCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3923	NN73-6W	NN73-6	25.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3924	NN73-5NW	NN73-5	47.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3925	NN73-4NW	NN73-4	29.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3927	NN73-2N	NN73-2	39.0	12.0	VCP	Collapse (1')	Dig Mainline	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3928	NN73-1NW	NN73-1	35.1	12.0	RCP	MAT CHANGE @ 7' (VCP); PIPE COMPLETELY SEPARATED FROM REST OF LINE @ 35'; MSA DUE TO PIPE SEPARATION. NO REVERSAL	Dig Mainline	12.5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3929	NN72-1	NN72-1NW	39.3	12.0	VCP	MEDIUM OFFSET JOINT @ 36' MAT CHANGE @ 36' (RCP)	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3930	NN72-2N	NN72-2	10.0	12.0	VCP		NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3931	NN72-2W	NN72-2	31.0	12.0	VCP		Dig Mainline	7				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3932	NN72-5N	NN72-5	12.0	12.0	VCP		NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3933	NN72-5W	NN72-5	32.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW3934	NN72-6	NN72-6N	5.0	6.0	PVC		NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3935	NN72-6	NN72-6W	28.0	12.0	RCP		NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW3936	NN72-7	NN72-7N	12.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW3937	NN72-7	NN72-7NW	36.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3938	NN66-16SW	NN66-16W	37.0	8.0	VCP	Mult Crack(26', 34')	Dig Mainline	7.5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3939	NN70-1-4SW	NN70-1-4W	21.0	12.0	RCP	Long. Crack(9', 12')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3940	NN66-16-3NE	NN66-16-3NW	46.6	12.0	CMP	NO DEFECTS OBSERVED	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3941	NN66-16-2W	NN66-16-2NW	35.5	12.0	CMP	NO DEFECTS OBSERVED	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3942	NN66-16-2	NN66-16-2W	21.4	12.0	CMP	TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3943	NN66-16-2E	NN66-16-2NE	34.9	12.0	CMP	NO DEFECTS OBSERVED	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3944	NN66-16-2	NN66-16-2E	54.6	12.0	CMP	TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3945	NN73-8NW	NN73-8	28.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3946	NN72-4NW	NN72-4	48.0	12.0	VCP		NONE	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3947	NN72-4N	NN72-4	20.0	12.0	VCP		NONE	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3948	NN72-4	NN72-4W	58.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3949	NN72-3NW	NN72-3N	32.0	12.0	RCP		NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3950	NN72-3N	NN72-3	14.0	12.0	RCP		NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW3951	NN73-1	NN73-1N	40.0	12.0	VCP	LARGE OFFSET JOINT @ 1', MSA DUE TO JOINT. REVERSAL: ALIGNMENT DOWN, MAT CHANGE @ 7' (VCP). CAMERA CANNOT NAVIGATE, LINE NOT COMPLETED	Dig Mainline	10				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3952	NN73-1	NN73-1W	40.1	12.0	RCP	OFFSET JOINT @ 31'; VCP TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW3953	NN75-1NE	NN75-1	20.7	12.0	RCP	DEPOSIT @ 8'	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3954	NN75-1NW	NN75-1	28.6	12.0	RCP	LINE ENDS AT PRESUMED BULKHEAD	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3956	NN72-1	NN72-1E	34.4	12.0	VCP	BROKEN/HOLE VOID VISIBLE @ 5'; MULT CRACKS @ 25'; MAT CHANGE @ 30' (RCP)	Dig Mainline	12.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3957	NN66-16-1W	NN66-16-1SW	95.7	12.0	CMP			2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3958	NN66-16-1NW	NN66-16-1W	34.4	12.0	CMP	NO DEFECTS OBSERVED	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3959	NN66-16-1	NN66-16-1W	18.3	12.0	CMP	TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3960	NN66-16-1	NN66-16-1N	56.4	12.0	CMP	TRAP AT CB		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3964	NN29-4-2	NN29-4-2SW	81.5	12.0	RCP	OFFSET JOINT @ 74'	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3966	NN42-6NE	NN42-6	63.0	10.0	RCP			2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3967	NN26-3W	NN26-3	26.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3968	NN26-3NW	NN26-3	62.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3969	ST-38-43NNW	ST-38-43N	27.0	12.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3970	ST-38-17-17SW	NN26-5	47.0	12.0	VCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3972	NN39-8	NN39-8N	11.0	12.0	VCP	Mult Crack and Med OS joint(6'), Size reduced to 4"(8')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3974	NN42-4SE	NN42-4	16.0	10.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW3976	NN38-6	NN38-6E	11.0	12.0	VCP	Survey abandoned(2')--Large OS joint	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW3977	NN38-6W	NN38-6E	26.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW3978	NN39-7	NN39-7N	17.0	12.0	VCP	Med OS joint(7"), Long. Crack(12'), Size reduces to 4"(14')	None	3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3979	NN39-7N	NN39-7NW	27.0	12.0	VCP	Mult Crack(6', 11'-27'), Long. Crack(14', 18'), Lt MD at joints(11-27")	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3984	NN26-1NW	NN26-1N	28.0	12.0	PVC		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW3985	NN26-2SW	NN26-2	27.0	12.0	VCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW3986	NN44-4	NN44-4SE	28.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW3987	NN44-4SE	NN44-4NE	26.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW3988	NN44-5A	NN44-5AN	20.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW3989	NN39-4W	NN39-4WNW	28.0	12.0	VCP	Med OS joint(6'), Long. Crack(14'), Mult Crack(21'), Lt MD at joints T/O	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW3990	NN39-4	NN39-4W	56.0	12.0	VCP	Mult Cracks and Lt MD T/O	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3991	NN39-4	NN39-4N	46.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O, Size reduces to 4"(43")	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW3992	NN39-4N	NN39-4NW	28.0	12.0	VCP	Mult Cracks(10'-28'), Lt MD at joints T/O	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3993	NN39-4	NN39-4SE	48.0	12.0	VCP	Mult Cracks T/O, Long. Crack(9', 13', 14'), Spiral Fracture(33'), Lt MD at joints T/O, Size reduces to 4"(45")	None	5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -			
SW3994	NN39-4SE	NN39-4SW	28.0	12.0	VCP	Mult Cracks(7', 9'-28'), Lt MD at joints T/O	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3995	NN38-3	NN38-3NE	45.0	12.0	VCP	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW3996	NN38-3	NN38-3NW	51.0	12.0	VCP	Mult and Hinge Cracks T/O, Lt MD at joints T/O	Dig Mainline	8				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW3997	NN38-3	NN38-3W	46.0	12.0	VCP	Mult and Hinge Cracks T/O, Lt MD at joints T/O, Size reduces to 4"(44')	Dig Mainline	8				\$ -								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW3998	NN38-3	NN38-3E	23.0	12.0	VCP	Mult Crack T/O, Lt MD at joints T/O, Size reduced to 4"(20')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW3999	NN38-3W	NN38-3WNW	27.0	12.0	VCP	Mult Crack(15'), Long. Crack(16', 17'), Lt MD at joints T/O	None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4000	NN38-3E	NN38-3ENE	28.0	12.0	VCP	Long. Crack(19'), Lt MD at joints T/O	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4001	NN32-3NW	NN32-3W	27.0	12.0	VCP	Lt MD and Lt Roots at joints T/O	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4003	NN32-3	NN32-3N	50.0	12.0	VCP	Mult Cracks T/O, Size reduces to 4"(48')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4004	NN32-3	NN32-3E	25.0	12.0	VCP	Long. Crack(8'), Lt MD at joints(6'-25'), Size reduces to 4"(22')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4005	NN32-3E	NN32-3NE	26.0	12.0	VCP	Lt MD at joints T/O	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4006	NN32-3S	NN32-3SW	27.0	12.0	VCP	Long. Crack(15', 16'), Lt Roots at joints T/O	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4007	NN39-6	NN39-6SW	50.0	12.0	VCP	Mult Cracks T/O, Hinge Crack(20', 24', 26'), Size reduces to 4"(47')	Dig Mainline	8				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4008	NN39-6SW	NN39-6W	27.0	12.0	VCP	Mult Crack(8'-27'), Lt MD at joints T/O	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4009	NN38-5W	NN38-5NNW	27.0	12.0	VCP	Med OS joint(19'), Lt MD at joints T/O	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4010	NN38-5	NN38-5W	52.0	12.0	VCP	Mult and Long. Cracks T/O, Size reduces to 4"(49')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4011	NN38-5	NN38-5NW	51.0	12.0	VCP	Mult Crack T/O, Hinge Crack(8', 11', 27', 29'-45'), Long. Crack(13', 17')	Dig Mainline	8				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4012	NN38-5	NN38-5NE	43.0	12.0	VCP	Collapse(1')	Dig Mainline info sent to city	10				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4014	NN38-5	NN38-5SE	17.0	12.0	VCP	Long. Crack(9')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4015	NN38-5	NN38-5E	33.0	12.0	VCP	Lt MD at joints(6'-33'), Size reduces to 4"(30')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4016	NN38-5E	NN38-5NNE	27.0	12.0	VCP	Long. Crack(12'), Lt MD at joints(6'-19')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4017	NN39-6SE	NN39-6	26.0	12.0	VCP	Mult Crack(6'-26'), Lt MD at joints T/O, Size reduces to 4"(23')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4018	NN39-6SE	NN39-6NE	28.0	12.0	VCP	Mult Cracks(9'-28'), Lt Roots at joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4019	NN39-6	NN39-6N	51.0	12.0	VCP	Mult and Hinge Cracks T/O, Size reduces to 4"(49')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4021	NN44-6NE	NN44-6SE	26.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4022	NN44-6SE	NN44-6	26.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4024	NN39-2NW	NN39-2N	28.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4025	N42-6-2	BULKHEAD	21.1	12.0	RCP	NOTE THIS LINE WAS DONE AS REVERSAL FROM SETUP 781. MSA @ 21' DUE TO BULKHEAD. GIS HAS SEPARATED IT INTO TWO DIFFERENT LINES	NONE	2.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW4026	NN39-2	NN39-2SE	6.0	12.0	VCP	Mult Crack(2'), Size reduces to 4"(2')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4027	NN39-3SE	NN39-3SW	28.0	12.0	VCP	Mult Crack(10', 16', 23'), Lt DM at select joints T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4028	NN39-3	NN39-3SE	91.0	12.0	VCP	Long and Mult cracks T/O, Size reduces to 10"(63')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4033	NN32-1SE	NN32-1SW	29.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4034	NN32-1	NN32-1SE	17.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4037	NN44-7N	NN44-7	23.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4038	NN32-6	NN32-6NW	28.0	12.0	VCP	Mult Cracks T/O, Lt MD at joints T/O	FCIPP	6	28			\$ 1,680.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,680.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4039	NN32-6	NN32-6NE	14.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4040	NN32-5SE	NN32-5SW	26.0	12.0	VCP	Mult Crack(10', 12'), Long. Crack(16'), Lt MD at joints(5'-26')	None	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4041	NN32-5NE	NN32-5NW	27.0	12.0	VCP	Long. Crack(10', 12'), Mult Crack(17'-27')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4042	NN32-5	NN32-5NE	47.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O, Size reduces to 4"(45')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4043	NN32-5	NN32-5SE	14.0	12.0	VCP	Mult crack(6'), Size reduces to 4"(10')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4045	NN29-3	NN29-3A	30.0	12.0	VCP	Lt MD at joints(18'-30')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4049	ST-38-17-16SW	ST-38-17-16S	27.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4050	ST-38-17-16SE	ST-38-17-16	15.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4051	ST-38-17-17N	ST-38-17-17NW	28.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4052	NN26-6SW	NN26-6	27.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4053	NN26-7NW	NN26-7	24.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4054	NN19-7AW	NN19-7ANE	28.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4055	NN19-7ANE	NN19-7A	10.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4057	NN24-7BN	NN24-7BNE	37.0	12.0	RCP		None	3.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4058	NN24-7AN	NN24-7A	64.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4059	NN24-7AW	NN24-7A	46.0	12.0	RCP		None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4064	ST-38-17-17	ST-38-17-16	19.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4077	ST-38-43N	ST-38-43	28.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4078	ST-38-42SW	ST-38-42NW	25.0	12.0	VCP		Dig Mainline	7				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4079	ST-38-42NW	BLIND TAP	4.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4080	ST-38-42-1NW	ST-38-42-1W	27.0	12.0	RCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4081	ST-38-41-1NW	ST-38-41-1N	27.0	12.0	RCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4082	ST-38-40-1SW	ST-38-40-1W	28.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4083	ST-38-17-15-1W	ST-38-17-15-1N	28.0	12.0	RCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4085	NN19-7AN	NN19-7ANE	63.0	12.0	RCP		None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4086	ST-38-17-14SW	ST-38-17-14NW	24.0	12.0	VCP		None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4087	ST-38-17-14-1NW	ST-38-17-14-1N	29.0	12.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4088	ST-38-17-14SE	ST-38-17-14NE	24.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4089	ST-38-17-13-1NW	ST-38-17-13-1W	29.0	12.0	RCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4090	ST-38-17-13-1NW	ST-38-17-13-1	6.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4091	NN19-5ANW	NN19-5A	33.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4092	NN21-6NW	NN21-6	27.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
SW4093	NN21-6N	NN21-6	11.0	12.0	VCP		Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4094	NN21-6ASE	NN21-6A	3.0	12.0	VCP		None	2				\$ -									\$ -		\$ -		\$ -	\$ -
SW4095	NN21-6ASW	NN21-6A	27.0	10.0	RCP		None	2				\$ -									\$ -		\$ -		\$ -	\$ -
SW4096	NN21-7N	NN21-7	20.0	10.0	PVC		None	2				\$ -									\$ -		\$ -		\$ -	\$ -
SW4097	NN21-7NW	NN21-7	33.0	12.0	VCP		None	4				\$ -									\$ -		\$ -		\$ -	\$ -
SW4098	NN19-7SW	BLIND TAP	33.0	12.0	RCP		None	4				\$ -									\$ -		\$ -		\$ -	\$ -
SW4099	NN19-7S	NN19-7	65.0	12.0	VCP		None	2				\$ -									\$ -		\$ -		\$ -	\$ -
SW4102	ST-38-41SW	ST-38-41NW	24.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4103	ST-38-41NW	BLIND TAP	3.0	12.0	RCP		None	2				\$ -									\$ -		\$ -		\$ -	\$ -
SW4104	ST-3-17-15SW	ST-38-17-15NW	23.0	12.0	VCP		None	2				\$ -									\$ -		\$ -		\$ -	\$ -
SW4105	ST-38-17-15NW	BLIND TAP	7.0	12.0	RCP		None	2				\$ -									\$ -		\$ -		\$ -	\$ -
SW4106	NN26-1N	NN26-1	14.0	12.0	PVC		None	2				\$ -									\$ -		\$ -		\$ -	\$ -
SW4107	NN24-1NW	NN24-1	27.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4108	NN24-1N	NN24-1	11.0	12.0	PVC		None	2				\$ -									\$ -		\$ -		\$ -	\$ -
SW4109	NN26-2S	NN26-2	72.0	12.0	VCP		FCIPP	6	72			\$ 4,320.00									\$ -		\$ -		\$ -	\$ 4,320.00
SW4110	NN24-2NW	NN24-2	35.0	12.0	RCP		Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4111	NN24-2N	NN24-2	30.0	12.0	PVC		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4112	NN21-2NNW	BLIND TAP	2.0	8.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4113	NN19-1NW	NN19-1	25.0	12.0	VCP		None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4114	NN19-1N	NN19-1	20.0	12.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4115	NN21-1N	NN21-1	15.0	8.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4116	NN21-1NW	BLIND TAP	6.0	8.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4118	NN26-4N	BLIND TAP	36.0	10.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4119	NN24-4NW	BLIND TAP	31.0	10.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4120	NN24-4N	NN24-4	86.0	12.0	VCP		None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4121	NN21-4W	BLIND TAP	24.0	8.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4122	NN21-4	NN21-4E	8.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4123	NN21-4N	BLIND TAP	3.0	8.0	PVC		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4124	NN19-4N	BLIND TAP	3.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4125	NN24-7NW	NN24-7	27.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4126	NN24-7N	NN24-7	15.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4127	ST-38-17-16S	ST-38-17-16	43.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4128	ST-38-17-17N	ST-38-17-17	9.0	12.0	RCP		None	2				\$ -									\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	
SW4129	ST-38-17-17N	ST-38-17-17	23.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4130	ST-38-17-16NE	ST-38-17-16	9.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4131	NN24-6W	NN24-6	26.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4132	NN24-6E	NN24-6	7.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4133	ST-38-17-15SE	ST-38-17-15NE	24.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4134	ST-38-17-15NE	ST-38-17-15	12.0	12.0	RCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4135	NN19-5AN	NN19-5A	20.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4136	NN26-6S	NN26-6	11.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4137	NN26-7NE	NN26-7	8.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4138	NN19-3SW	NN19-3S	25.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4228	N12A	N12-WNW	113.8	12.0	RCP	NOTE LINE NOT ON MAP, JOM IN SPOTS THROUGHOUT; DAE THROUGHOUT; HOLE IN BOTTOM OF LINE @ 113'; MSA. INFORMATION SENT TO STEVE PANGORI	DIG UP AND REPLACE LINE @ 113'	12.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4458	NN24-7ANW	NN24-7AN	29.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4459	NN29-9-3-5A	NN29-9-3-5AS	8.0	10.0	VCP	Long. Crack(6')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4460	NN29-9-3-5AS	NN29-9-3-5ASW	26.0	12.0	VCP	Mult Crack(4', 7', 9', 10', 15'), Hinge Fracture(25')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4461	NN29-9-3-NW	NN29-9-3-5	32.0	12.0	VCP	Long. Crack(6'), Mult Crack(7', 10', 13', 17', 23', 27')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4462	NN29-9-3-4AN	NN29-9-3-4ANW	27.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4463	NN29-9-3-4AN	NN29-9-3-4A	10.0	12.0	VCP	Mult Crack(4', 7'), Med OS joint(6')	None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4464	NN29-9-3-4W	NN29-9-3-4SW	27.0	12.0	VCP	Mult Crack(6', 14', 21', 24'), Lt MD at joints(4', 8')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4465	NN29-9-3-4	NN29-9-3-4W	50.0	12.0	VCP	Mult. And Long. Cracks T/O, Pipe size reduction to 4"(48')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4466	NN29-9-3-3N	NN29-9-3-NW	28.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4467	NN29-9-3-3N	NN29-9-3-3	6.0	12.0	VCP	Large angular joint(2'), Long. Crack(2')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4468	NN29-9-3-2AS	NN29-9-3-2ASW	27.0	12.0	VCP	Long. Crack(6', 14', 26'), Mult Crack(21')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4469	NN29-9-3-2A	NN29-9-3-2AS	18.0	12.0	VCP	Mult Cracks T/O, Pipe size reduction to 4"(16')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4470	NN29-9-3ANW	NN29-9-3AN	27.0	10.0	VCP	Mult. Cracks T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4471	NN29-9-3A	NN29-9-3AN	13.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4472	NN29-9-3SW	NN29-9-3S	28.0	10.0	VCP	Long. Crack(17'), Mult Crack(21'), Large OS joint(23', 28'), Hole(23')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4473	NN29-9-3-1	NN29-9-3S	45.0	12.0	RCP	Long. Crack(6', 31', 37'), Lt H2S damage(21'), Circ. Crack(24', 40'), Lt MD at joints(7', 13', 19', 25', 37'), Pipe size reduction to 4"(42')	NONE	3.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4474	NN29-9-3-1NW	NN29-9-3-1N	27.0	12.0	VCP	Mult and Long. Cracks T/O	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4475	NN29-9-3-1	NN29-9-3-1N	19.0	12.0	VCP	Long. Crack(5', 7', 14'), Med OS joint(7', 9', 16'), Mult Crack(9', 14', 16')	None	4.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4502	NN29-9-1-4	NN29-9-1-4NE	28.0	12.0	VCP	Mult Crack(26'), Pipe size reduction to 4"(26')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4503	NN29-9-1-4	NN29-9-1-4N	18.0	12.0	VCP	Mult Fracture(5'), Deformed(7'), Broken(8'), Hinge Fracture(9')	Dig Mainline	7.8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4504	NN29-9-1-4	NN29-9-1-4NW	31.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints(14'-23')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4505	NN29-9-1-4	NN29-9-1-4W	49.0	12.0	VCP	Long. Crack(9', 16', 19', 27'), Mult Crack(46'), Pipe Size reduction to 4"(47")	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW4506	NN29-9-2-4NW	NN29-9-2-4SW	27.0	12.0	VCP	Spiral Crack(7'), Mult Crack(19'), Lt MD at joints(4'-12', 22')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW4507	NN29-9-3-4	NN29-9-3-4E	65.0	12.0	VCP	)Mult Fracture(6', 9', 12'), Long. Crack(19'-58'), Mult Crack(15'), Lt Roots at joint(15'), Lt H2S damage T/O, Size reduction to 4"(59'	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4508	NN29-9-2-3A	NN29-9-2-3AS	14.0	12.0	VCP	Mult Crack(4', 6'), Long. Crack(6', 8')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW4509	NN29-9-2-3A	NN29-9-2-3AW	27.0	12.0	VCP	Mult Crack(4'), Long. Crack(5', 8', 10', 11'-27'), Hinge Fracture(16', 17', 19'), Hwy Roots at joint(21')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4510	NN29-9-2-5AW	NN29-9-2-5A	24.0	12.0	VCP	Spiral Crack(4'), Circ. Crack(7'), Long. Crack(7', 10', 11', 13', 18', 21'), Mult Crack(19')	None	4.2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4511	NN29-9-2-5A	NN29-9-2-5ASSE	10.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW4512	NN16-10-2-15	NN16-10-2-15NE	16.0	12.0	VCP	Long. Crack(10'), Med Separated joint(11'), Lt Roots at joints(7', 14')	None	3.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4513	NN16-10-2-15	NN16-10-2-15NW	25.0	12.0	VCP	Hole with void(2'), Long. Crack(8'), Hinge Fracture(22')	Dig Mainline	10				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4514	NN29-9-1-5	NN29-9-1-5SE	8.0	8.0	PVC	No defects observed	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4515	NN29-9-1-5	NN29-9-1-5SSE	40.0	10.0	VCP	Med OS joint(21', 25'), Long. Crack(26'), Hinge Fracture(28'), Lt Roots at joints(17')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4517	NN29-9-2-4A	NN29-9-2-4ASE	7.0	12.0	VCP	No defects observed	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4518	NN29-9-2-4A	NN29-9-2-4ASW	27.0	12.0	VCP	Long. Crack(5', 14', 19'), Hinge Fracture(8', 18'), Mult Crack(21'), Pipe size reduction to 10"(23')	None	4.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4519	NN29-9-1-4NE	NN29-9-1-4SE	27.0	12.0	VCP	Long. Crack(5', 7'), Spiral Crack(8'), Mult Crack(22'), Rocks(24'), CB is at capacity with debris	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4520	NN29-9-1-1A	NN29-9-1-1ANNE	15.0	12.0	PVC	Alignment down(12')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4521	NN29-9-1A	NN29-9-1ANW	29.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4522	NN29-9-1-2	NN29-9-1-2S	8.0	12.0	VCP	Long. Crack(2')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4523	NN29-9-1-2	NN29-9-1-2SW	24.0	12.0	VCP	Mult Cracks T/O, Broken with hole(19')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4524	NN29-9-2SW	NN29-9-2W	26.0	12.0	RCP	Long. Crack(6', 11', 12'), Spiral Frature(7'), Lt MD at joint(13')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4525	NN29-9-2	NN29-9-2W	50.0	12.0	VCP	Med OS joints T/O, Long. Cracks T/O, Mult Crack(10', 12', 22'), Size reduciton to 4"(47")	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4526	NN29-9-2-1	NN29-9-2-1N	15.0	12.0	VCP	Med Angular Joint(4', 10'), Long. Crack(6')	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4527	NN29-9-2-1	NN29-9-2-1NNW	87.0	12.0	VCP	Mult and Long. Cracks T/O, Hinge Fracture(42', 86')	FCIPP	6.6	87			\$ 5,220.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,220.00
SW4528	NN16-10-14	NN16-10-14NW	70.0	12.0	VCP	Long. And Mult Cracks(4'-33'), Hinge Fracture(37'), Lt Roots at joints(52'-64')	FCIPP	6.6	70		1	\$ 4,700.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,700.00	
SW4636	NN66-26NW	NN-66-26N	35.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4637	NN-66-26N	NN-66-26	12.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4638	NN66-24N	NN66-24	10.0	12.0	VCP		None	3.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4639	NN66-24NW	NN66-24N	24.0	12.0	VCP		None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4640	NN66-22N	NN66-22	27.0	12.0	VCP		Dig Mainline	7				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4641	NN66-22NW	NN66-22N	41.0	12.0	VCP		Dig Mainline	6.25				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4643	NN66-11-2SW	NN66-11-2W	25.0	10.0	VCP	Mult Crack(8', 10'-25'), Size reductino to 8"(21')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4644	NN66-11-2	NN66-11-NW	50.0	10.0	VCP	Hinge Fracture(28'), Long. Crack(31', 34'), Broken(46'), Size reduction to 4"(48")	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4645	NN66-12-2	NN66-12-2NE	44.0	10.0	RCP	Med Angular Joint(30'), Extra structure attached to catch basin	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4646	NN66-12-2	NN66-12-2NW	44.0	10.0	VCP	Long. Crack(6', 9', 30', 42'), Mult Crack(10', 34', 37'), Survey abandoned(44')-Turn in line	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4647	NN66-12-2W	NN66-12-2	48.0	10.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4648	NN66-12-2SW	NN66-12-2W	2.0	10.0	VCP	Survey abandoned(1')-Hvy Roots, Reverse--Survey abandoned(1')-Hvy Roots	Cut roots after verifying that no gas services cross the storm sewer	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4649	NN66-14-2	NN66-14-2NE	44.0	10.0	VCP	Med OS joint(7', 32'), Bell end to bell end repair(10'), Long. Crack(24', 37')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4650	NN66-14-2	NN66-14-2NW	50.0	10.0	VCP	Long. Cracks T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4651	NN66-14-2	NN66-14-2W	66.0	10.0	VCP	Mult Crack(11', 13', 31', 37', 43', 49', 52'), Hinge Fracture(23'), Size reduction to 4"(65')	Dig Mainline (63'-66') FCIPP	6	66			\$ 2,970.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 11,470.00	
SW4652	NN66-14-2	NN66-14-2SW	49.0	10.0	VCP	Long. Cracks T/O, Lt MD at joints(8', 29'), Lt Roots at joints(37'-44'), Line ends at bulkhead(49')	Bulkhead MH and abandon line	4				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ 6,000.00		
SW4653	NN66-15-2	NN66-15-2NE	45.0	12.0	VCP	Long. Crack(5', 6', 8', 15'), Hinge Fracture(16', 19'-37'), Mult Fracture(23')	Dig Mainline	6.4				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4654	NN66-15-2	NN66-15-2NW	50.0	10.0	VCP	Long. Crack(3', 5', 24', 30', 47'), Mult Crack(7', 28'), Hinge Fracture(9', 33', 36')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4655	NN66-15-2SW	NN66-15-2W	27.0	10.0	VCP	Long. Crack(3', 23'), Lt Roots at joint(11'), Med Roots at joint(24')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4656	NN66-15-2	NN66-15-2SW	47.0	10.0	VCP	Long. Crack(6', 10', 19', 36'), Med Roots at joints(40', 44')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4657	NN66-19N	NN66-19	37.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4658	NN66-19NW	Bulkhead	54.0	12.0	VCP		None	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4659	NN66-21N	NN66-21	6.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4660	NN66-21NW	NN66-21N	33.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4661	NN66-17NE	NN66-17	21.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4662	NN66-17NW	NN66-17NE	35.0	12.0	VCP		None	6.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4663	NN66-15-4	NN66-15-4	40.0	10.0	VCP	Long. Crack(3', 13'), Hinge Fracture(6', 12'), Lt Roots at joints(22', 24'-40')	Dig Mainline	7.6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4664	NN66-15-4	NN66-15-4NW	50.0	10.0	VCP	Large OS and hole with void visible(2'), Mult Crack(15', 28'), Hinge Fracture(35', 37', 39')	Dig Mainline	6.8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4665	NN66-15-4SW	NN66-15-4W	25.0	10.0	VCP	Lt Roots at joint T/O	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4666	NN66-15-4	NN66-15-4W	45.0	10.0	VCP	Sag(7'). Mult Crack(21', 30'), Lt Roots at joints T/O, Line ends in bulkhead	Bulkhead MH and abandon line	5.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4667	NN66-15-3	NN66-15-3NE	12.0	10.0	VCP	Med Angular joint(7'), Lt Roots at joint(5')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4668	NN66-15-3	NN66-15-3NW	26.0	10.0	VCP	Long. Cracks(7', 9'), Med OS joint(21'), Survey abandoned(22')-Bend in line, Reverse Set-Up-Survey abandoned(4')-point of previous progress	None	3.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4669	NN66-14-3	NN66-14-3NE	4.0	10.0	VCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4670	NN66-14-3NW	NN66-14-3	6.0	10.0	VCP	Survey abandoned(6')-right turn	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4671	NN66-14-4	NN66-14-4N	37.0	10.0	VCP	Hinge Fracture(3', 8', 12'), Long. Crack(15', 19'), Mult Crack(21', 30')	Dig Mainline	6.6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW4672	NN66-14-4	NN66-14-4NW	47.0	12.0	VCP	Mult Crack(10', 20'), Hinge Fracture(38'), Hole with void(40')	Dig Mainline	6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW4673	NN66-14-4	NN66-14-4W	50.0	10.0	VCP	Mult Crack(12'-29'), Hinge Fracture(20', 44', 46'), Size reduction to 4"(48")	Dig Mainline	8.4				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW4674	NN66-14-4W	NN66-14-4SW	27.0	10.0	VCP	Lt Roots at joints(8', 15'), Lt MD at joint(24')	None	2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -			
SW4675	NN66-12-4	NN66-12-4N	37.0	10.0	VCP	Large OS joint(3'), Broken(3'), Survey abandoned(3')-Broken pipe	Dig Mainline	7				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW4676	NN66-12-4	NN66-12-4NW	41.0	10.0	VCP	Large OS joint(2', 38'), Broken and hole(6'), Mult Fracture(7', 38'), Med OS joint(22', 31', 35'), Pipe size reduction to 8"(41")	Dig Mainline	6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
SW4677	NN66-12-4	NN66-12-4W	45.0	10.0	VCP	Mult Crack(7', 9', 27', 34'), Hole(17'), Mult Fracture(19'), Bricks used as reducer in pipe(44')	Dig Mainline	6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4678	NN66-12-4W	NN66-12-4SW	25.0	10.0	VCP	Med Angular Joint(24')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -
SW4679	NN66-12-3	NN66-12-3NE	13.0	10.0	VCP	Hole with soil visible(1'), Long. Crack(3'), Spiral Crack(12'), Survey abandoned(13')--camera will not get past joint	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4680	NN66-12-3NW	NN66-12-3	21.0	10.0	VCP		Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4681	NN66-11-3	NN66-11-3NW	23.0	10.0	VCP	Large OS joint(22'), Line ends in bulkhead at 23'	Dig Mainline	4				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4682	NN66-11-4	NN66-11-4NW	38.0	10.0	VCP	Sag(6'), Long. Crack(13'), Line ends in bulkhead(38')	Bulkhead in MH and abandon line	4				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ 6,000.00
SW4683	NN66-11-4	NN66-11-4W	48.0	10.0	VCP	Long Crack(13', 22'), Hinge Fracture(17', 20'), Line ends in Bulkhead(48')	Bulkhead in MH and abandon line	6.4				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ 6,000.00
SW4684	NN66-11-4SW	NN66-11-4	50.0	10.0	VCP	Mult Crack(3'-13', 21', 25', 39', 41'), Large OS joint(47'), Size reduction to 8'(27'-32')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4685	NN66-11-5	NN66-11-5SW	56.0	12.0	VCP	Mult Crack(19', 23', 28'-56'), Med OS joint(15', 24', 31', 34', 52'), Size reduction to 4"(53")	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4686	NN66-14-5	NN66-14-5SW	28.0	10.0	VCP	Med OS joint(26', 27')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -
SW4687	NN66-12-5W	NN66-12-5	19.0	10.0	VCP			4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -
SW4688	NN66-12-5	NN66-12-5N	11.0	10.0	VCP	Long. Crack(2', 8'), Spiral Crack(3'), Alignment Down(8')	None	3.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -
SW4689	NN66-12-1	NN66-12-1NE	17.0	10.0	VCP	Med Separated joint(7', 12'), Long. Crack(11'), Lt Roots at joint(7')	None	2.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -
SW4690	NN66-12-1	NN66-12-1W	23.0	10.0	VCP	Long. Crack(7'), Mult Crack(11', 12'-23'), Hinge Fracture(17', 20')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4691	NN66-12NE	NN66-12NW	28.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -
SW4692	NN66-16	NN66-16N	43.0	12.0	RCP	Long. Crack(12'), Mult Crack(29'), Size and material change- 8" and PVC(42')	None	6.25				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4693	NN66-16NW	NN66-16N	39.0	12.0	RCP	Long. Crack(7'), Lt MD at joint(25')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4696	NN66-11NE	NN66-11NE	28.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4726	NN66-25NW	NN66-25W	25.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4727	NN66-25W	NN66-25	65.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4729	NN66-22NE	NN66-22E	27.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4730	NN66-20W	NN66-20	38.0	12.0	VCP		None	6.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4731	NN66-19NE	NN66-19	18.0	12.0	VCP	BULKHEAD	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4732	NN66-19E	NN66-19	24.0	12.0	VCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4733	NN66-15-6	NN66-15-6W	9.0	10.0	VCP	Long Crack(6'), Spiral Crack(7'), Hole(8', 9'), Survey abandoned(9')--External pipe thru sewer	Location given to consumers for repair	7				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4735	NN66-15-5	NN66-15-5NW	28.0	10.0	VCP	Long. Crack(5', 7', 9', 11', 15'), Mult Crack(11', 18'), Turn in line(25')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4736	NN66-15-5	NN66-15-5NW	17.0	10.0	VCP	Long. Crack(6', 8', 9', 13'), Broken(6', 14')	None	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4738	NN66-15-4SE	NN-66-15-4	30.0	10.0	VCP	Lt MD at joint(21')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4739	NN66-15-2SSW	BLIND TAP	33.0	10.0	VCP	Long. Crack(3', 7', 16', 19'), Mult Crack(10')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW4740	NN66-15-2SE	NN66-15-2E	26.0	10.0	VCP	Mult Crack(6'), Size reduction to 8"(13'), Large Angular Joint(23')	None	4.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW4741	NN66-15-2	NN66-15-2SE	26.0	10.0	VCP	Long. Crack(12', 16'), Mult Crack(24'), Size reduciton to 4"(26')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4742	NN66-15-2	NN66-15-2S	25.0	10.0	VCP	Med OS joint(11', 14'), Broken(24'), Lt Roots at joint(20')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4743	NN66-15-1	NN6-15-1NW	25.0	10.0	VCP	Hole with void(2'), Surface missing(7'), Hinge Fracture(20'), Long. Fracture(25')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4744	NN66-15-1	NN66-15-1NE	13.0	10.0	VCP	Survey abandoned(2')-Hole with void, Reverse Set-Up--Spiral Crack(2'), Survey abandoned(11')-Hole with void	Dig Mainline - sent to City for repair	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4745	NN66-15	NN66-15NE	36.0	10.0	CMP	No defects observed	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW4746	NN66-14-6	NN66-14-6NW	28.0	10.0	VCP	Mult Crack(8', 22'), Spiral Crack(12'), Lt MD at joint(14'), Survey abandoned(26')-Bend in line, Reverse Set-Up--Hole(1') Surface missing(1'), Survey abandoned(2')-point of previous progress	Dig Mainline	6.2				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4747	NN66-14-6	NN66-14-6N	10.0	10.0	VCP	Mult Crack(6'), Large OS joint(7')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW4748	NN66-14-5	NN66-14-5E	60.0	10.0	RCP	Sag(20'), Lt MD at joints(16', 28')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW4749	NN66-14-4	NN66-14-4E	31.0	10.0	VCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW4750	NN66-14-1N	NN66-14-1	12.0	10.0	VCP		Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4751	NN66-14-1	NN66-14-1NW	26.0	10.0	VCP	Med Angular Joint(9'), Mult Crack(12', 19', 23')	None	5.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW4752	NN66-12-6	NN66-12-6NE	11.0	10.0	VCP	Long. Crack(3'), Large Angular Joint(5'), Spiral Crack(7'), Med Roots at joints(5')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW4753	NN66-12-6	NN66-12-6NW	21.0	10.0	VCP	Med Angular Joint(2'), Long. Crack(13')	None	3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW4754	NN66-11-2S	NN66-11-2SSW	27.0	10.0	VCP	Mult cracks(10', 20')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4770	NN66-11-2N	NN66-11-2	114.0	10.0	VCP		FCIPP	5	114			\$ 5,130.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 5,130.00	
SW4771	NN66-10-1-2	NN66-10-1-2N	40.0	12.0	VCP	Med OS joint(6', 10'), Mult Crack(12', 26', 32'), Size reduction to 4"(36")	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4772	NN66-10-1-2	NN66-10-1-2NW	43.0	12.0	VCP	Hinge Fracture(10', 40'), Long. Crack(15', 20', 26', 34'), Mult Crack(18'-32'), Line ends in Bulkhead	Abandon Line--Flowable fill with bulkhead at manhole	5.6				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ 6,000.00		
SW4773	NN66-10-1-2	NN66-10-1-2W	40.0	12.0	VCP	Long. Crack(6', 22'), Med OS joint(28'), Lt MD at joints(2', 37'), Line ends in Bulkhead	Abandon Line--Flowable fill with bulkhead at manhole	3.4				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ 6,000.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4774	NN66-10-1-2	NN66-10-1-2SW	45.0	12.0	VCP	Spiral crack(9'), Mult Crack(41'), Broken(43'), Lt MD at joints(30', 32')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4775	NN66-10-2-2	NN66-10-2-2NE	33.0	12.0	VCP	Circ. Crack(30'), Lt Roots at joints(23', 26', 29'), Hvy Roots at joint(22')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW4776	NN66-10-2-2	NN66-10-2-2NW	37.0	12.0	VCP	Med OS joint(10'), Long. Crack(21'), Broken(36'), Lt Roots at joints(6', 8', 12', 36'), Survey abandoned(37')-Pipe collapsed	Dig Mainline, sent to DPW	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4777	NN66-10-2-2	NN66-10-2-2W	46.0	12.0	VCP	Mult Crack(6', 10'-46'), Lt MD at select joints T/O, Line ends in bulkhead(46')?-	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4778	NN66-10-2-2	NN66-10-2-2SW	56.0	12.0	VCP	Mult. Cracks T/O	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4779	NN66-10-3-3	NN66-10-3-3N	40.0	12.0	VCP	Long. Crack(15', 19', 37'), Mult Crack(19')	None	3.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW4780	NN66-10-3-3	NN66-10-3-3NW	48.0	12.0	VCP	Mult Cracks(4', 16', 24', 28', 31')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4781	NN66-10-3-3SW	NN66-10-3-3W	27.0	12.0	VCP	Mult Crack(7', 10')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4782	NN66-10-3-3	NN66-10-3-3sw	50.0	12.0	VCP	Med OS joints(17', 19'), Long. Crack(19', 22', 36'), Mult crack(20'), Lt MD at select joints T/O	None	3.8				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW4783	NN66-10-4-3	NN66-10-4-3NE	43.0	12.0	VCP	Mult Crack(3', 13', 17', 25'), Broken(11'), Hole w/ soil visible(38')	Dig Mainline	6.6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4784	NN66-10-4-3	NN66-10-4-3NW	43.0	12.0	VCP	Long. Crack(13', 25', 31', 34'), Hole with void visible(16')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4785	NN66-10-4-3SW	NN66-10-4-3W	27.0	12.0	VCP	Long. Crack(22'), Lt Roots at joint(18')	None	4				\$ -									\$ -		\$ -		\$ -	\$ -	\$ -	
SW4786	NN66-10-4-3	NN66-10-4-3SW	49.0	12.0	VCP	Mult. Crack(8'-23', 33')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4787	NN66-11-3	NN66-11-3N	10.0	10.0	VCP	Long. Crack(1'), Mult Crack(2', 4'), Size reduction to 8"(6')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4788	NN66-11-4	NN66-11-4N	39.0	10.0	VCP	Mult Crack(2', 7'-13', 16'-39'), Broken(2'), Partial Bulkhead at US MH	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4789	NN66-10-1-4	NN66-10-1-4NE	39.0	10.0	VCP	Mult Cracks T/O, Pipe reduciton to 4"(37')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4790	NN66-10-1-4NW	NN66-10-1-4NE	29.0	12.0	VCP	Med OS joint(5', 8'), Mult Crack(18'), Broken and hole(29'), Survey abandoned(29')-Bulkhead	Abandon Line--Flowable fill with bulkhead at manhole	5.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4791	NN66-10-1-4SW	NN66-10-1-4W	27.0	10.0	VCP	Lt MD at joints(11', 14', 17')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4792	NN66-10-1-4	NN66-10-1-4SW	52.0	12.0	VCP	Long. Crack(10', 13', 28', 40'), Hinge Fracture(15'), Broken(19'), Mult Crack(37'-44'), Size reduction to 4"(49")	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4793	NN66-10-1-3	NN66-10-1-3NE	64.0	12.0	VCP	Mult Crack(4', 6', 12'-64'), Hinge Fracture(29', 31'-43')	FCIPP	6.2	64			\$ 3,840.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	3,840.00
SW4794	NN66-10-1-3NE	NN66-10-1-3NW	34.0	10.0	RCP	Mult Crack(21', 30'), Large OS joint(21'), Settled deposits(24')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4795	NN66-10-1-5E	NN66-10-1-5W	34.0	10.0	VCP	Mult Crack(4', 18'), Lt Roots at joints(4', 7', 10'), Lt MD at joints(7', 22'), Pipe reduction to 8"(22")	None	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4796	NN66-10-1-6	NN66-10-1-6NW	19.0	10.0	VCP	Long. Crack(8', 16'), Lt MD at joints(4', 10', 14')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4797	NN66-11-5	NN66-11-5N	11.0	10.0	VCP	Spiral Crack(3'), Mult Crack(4'), Lt Roots at joints(4')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4799	NN66-11-1	NN66-11-1N	14.0	10.0	VCP	Mult Crack(4', 7'), Lt MD at joint(3'), Size reduction to 4"(9")	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW4800	NN66-10-1A	NN66-10-1AN	17.8	12.0	CMP	NO DEFECTS OBSERVED	NONE	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4801	NN66-10-1AN	NN66-10-1ANW	26.0	12.0	CMP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4802	NN66-10-1-1	NN66-10-1-1W	21.0	12.0	VCP	Mult. Crack(6', 12'), Long. Crack(10', 12'), Survey abandoned(21')-Bulkhead	None	4.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4803	NN66-10-1-1	NN66-10-1-1N	12.0	10.0	PVC	No defects observed	None	2.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4804	NN66-10-2-1	NN66-10-2-1S	21.0	12.0	VCP	Large OS joint(15'), Mult Crack(15')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4805	NN66-10-2-1SW	NN66-10-2-1	159.0	12.0	VCP		FCIPP	8	159			\$ 9,540.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	9,540.00
SW4806	NN66-10-2N	NN66-10-2NNW	28.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4807	NN66-10-3NNW	NN66-10-3N	28.0	12.0	PVC	Sag(23')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4808	NN66-10-3-1	NN66-10-3-1NW	28.0	12.0	VCP	Long. Crack(8', 18'), Large OS joint(23'), Lt Roots at joints(6', 8')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4809	NN66-10-3-1	NN66-10-3-1N	12.0	12.0	VCP	Long. Crack(9'), Med Roots at joint(10')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4810	NN66-10-3-2	NN66-10-3-2N	13.0	12.0	VCP	Long. Crack(11')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4811	NN66-10-4NNW	NN66-10-4NE	26.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4812	NN66-10-4-1	NN66-10-4-1SW	53.0	12.0	VCP	Mult. Crack(43'), Lt Roots at joints T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4813	NN42-17-5-4N	NN42-17-5-4NW	28.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4814	NN66-10-4-3	NN66-10-4-3SE	31.0	12.0	VCP	Long. Crack(11'), Med OS joint(26'), Right Turn(20', 23')	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4815	NN42-21-5-1	NN42-21-5-1W	26.0	12.0	RCP	Lt MD at joint(23')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4835	NN66-11-4SE	NN66-11-4NE	28.0	10.0	VCP	Med OS joint(4', 19'), Long. Crack(16')	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4836	NN66-11-4	NN66-11-4SE	32.0	10.0	VCP	Long. Crack(4'), Mult. Crack(12', 18'), Hole with Void(26'), Size reduction to 4"(30')	Dig Mainline	6.6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4837	NN66-11-2SE	NN66-11-2NE	28.0	10.0	VCP	Mult Crack(3', 19'), Long. Crack(11', 17')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4838	NN66-11-2	NN66-11-2SE	31.0	10.0	VCP	Mult. Crack(3'-24'), Size reduction to 4"(27')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4839	NN66-11-2	NN66-11-2S	86.0	10.0	VCP	Mult Cracks T/O, Size reduction to 4"(83')	Dig Mainline (83'-86') FCIPP	6	86			\$ 3,870.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 12,370.00	
SW4840	NN66-10-1-2SE	NN66-10-1-2NE	28.0	12.0	VCP	Mult Crack(9', 14'), Spiral Crack(26'), Lt MD on pipe(5'-16', 22')	None	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4841	NN66-10-1-2	NN66-10-1-2SE	31.0	12.0	VCP	Mult Cracks T/O, Spiral Crack(24'), Size reduction to 4"(28')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW4842	NN66-10-1A	NN66-10-1AW	54.6	12.0	CMP	NO DEFECTS OBSERVED	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4843	NN42-26-5W	NN42-26-5NW	33.0	12.0	VCP	Med OS joint(9', 15', 18', 21'), Long. Crack(22')	None	2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4844	NN66-10-1-5	NN66-10-1-5E	7.0	12.0	VCP	Brick missing(4')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4845	NN66-10-3-4W	NN66-10-3-4NW	34.0	12.0	VCP	Lt MD at joint(22'), Spoon stuck in joint(25')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4846	NN66-10-3-4	NN66-10-3-4W	44.0	12.0	VCP	Mult Crack(4', 16', 25'), Deformed(6'), Hinge Fracture(7'), Hole with soil visible at size reduction to 10"(27")	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4847	NN66-10-3-4SW	BLIND TAP	32.0	10.0	VCP	Med OS joint(23', 27')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4848	NN66-10-3-4	NN66-10-3-4SE	49.0	12.0	VCP	Med OS joint(11', 23', 42', 45'), Long. Crack(25', 33'), Mult Crack(30')	None	3.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4849	NN66-10-3-4	NN66-10-3-4E	34.0	12.0	VCP	Spalling(4', 10', 20'), Mult Crack(13')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4850	NN66-10-3-2	NN66-10-3-2SW	86.0	12.0	VCP	Med OS joint(6', 24'-61', 81'), Long. Crack(9', 15', 31'49', 64', 73'), Mult Crack(54', 84'), Surface missing(40')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4851	NN66-10-2-2SE	NN66-10-2-2E	28.0	12.0	VCP	Med OS joint(8', 10'), Mult Crack(22'), Lt to Med Roots at joints(9', 14', 17', 21')	None	3.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4852	NN66-10-2-2	NN66-10-2-2SE	32.0	12.0	VCP	Mult Cracks(4', 6'-32'), Lt Roots at joints(4', 6')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW4853	NN66-10-3-3	NN66-10-3-3E	32.0	12.0	VCP	Med OS joint(12', 22'), Long. Crack(24'), Lt MD at joint(27')	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4854	NN66-10-3-3	NN66-10-3-3SE	32.0	12.0	VCP	Med OS joints(15', 18')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4855	NN66-10-3	NN66-10-3N	47.7	12.0	CMP	PVC TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4973	NN66-10-4-1	NN66-10-4-1SE	23.0	12.0	VCP	Large OS joint(6'), Lt Roots at joints(2'), Lt MD at joints(5'), Survey abandoned(8')-bend in line, Reverse-Lt Roots at joints(14'), Survey abandoned(15')-point of previous progress	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW4974	NN42-17-5-4	NN42-17-5-4N	39.0	10.0	PVC	Lt MD at joints(7'-39')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4975	NN42-17-5-1	NN42-17-5-1SW	29.0	12.0	VCP	Sag(6'), Long. Crack(10', 20'), Hinge Fracture(27')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4976	NN42-17-5-1	NN42-17-5-1NW	37.0	12.0	VCP	Long. Crack(13', 20', 25', 28'), Large OS joint(32', 34')	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4977	NN42-17-4	NN42-17-4E	27.0	12.0	VCP	Large OS joint(22'), Alignment up(22')	None	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4978	NN42-17-4	NN42-17-4NE	35.0	12.0	VCP	Spalling(11'), Med OS joint(18'), Long. Crack(29'), Wall Missing(30')	None	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4979	NN42-17D	NN42-17DW	18.0	12.0	VCP	Med OS joint(14')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4980	NN42-17D	NN42-17DNW	30.0	12.0	VCP	Broken(23')	Dig Mainline	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW4981	NN42-17B	NN42-17BW	17.0	10.0	VCP	Alignment down(12')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4982	NN42-17B	NN42-17BNW	32.0	10.0	VCP	Mult Crack(6'), Long. Crack(9', 12', 21')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4983	NN42-17A	NN42-17ASW	14.0	12.0	VCP	Long. Crack(10')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4984	NN42-17A	NN42-17ANW	24.0	12.0	VCP	Long. Crack(11', 13', 15', 18'), Mult. Crack(22')	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4985	NN42-17-5-4S	NN42-17-5-4	32.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4986	NN42-17-5-3A	NN42-17-5-3ANW	21.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4987	NN42-17-5-3A	NN42-17-5-3ASE	7.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4990	NN42-17-5-2	NN42-17-5-2SW	77.0	12.0	VCP	Med OS joints(10', 14', 42', 57', 71'), Long. Crack(30', 36', 54', 74')	None	3.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4992	NN42-30-2A	NN42-30-2ANW	16.0	12.0	VCP	Long. Crack(10')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4993	NN42-30-2ANNW	NN42-30-2ANNE	24.0	12.0	VCP	Lt MD at joint(3')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW4994	NN42-30-2ANNW	NN42-30-2A	32.0	12.0	VCP	Settled gravel(23')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4995	NN42-21-5-1SE	NN42-21-5-1E	30.0	12.0	RCP	Lt MD at joint(17')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW4996	NN42-21-5-1	NN42-21-5-1SE	28.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5039	NS2-9-3A	NS2-9-3SW	4.0	8.0	PVC	Line ends in bulkhead(2')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5143	NN42-6-1N	NN42-6-1NW	26.5	12.0	RCP	NO CALLOUTS MADE/NO VIDEO REVIEWED	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5144	NN42-6-2NW	NN42-6-2N	34.5	12.0	RCP	NO DEFECTS OBSERVED. NOTE IN US CB THERE IS UNDOCUMENTED LINE RUNNING SE	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5145	NN42-6-3N	NN42-6-3NW	36.0	12.0	RCP	Settled deposits(32'), Compacted deposits(34')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5152	NN42-9N	NN42-9NW	28.0	12.0	RCP	Sag T/O, Long. Crack(10', 13', 18', 21')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5154	NN42-6-1AN	NN42-6-1ANW	29.0	10.0	VCP	Long. Crack(15'), Mult crack(18', 21'), Lt MD at joints(19', 20', 22', 23')	None	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5156	NN42-9-2	NN42-9-2NW	8.0	12.0	VCP	Broken pipe(5')	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5157	NN42-6-2AN	NN42-6-2ANW	27.0	12.0	VCP	Long. Crack(8'), Mult Crack(15', 24'), Hinge Crack(17'), Med Roots at joints(20', 23')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5158	NN42-6-2A	NN42-6-2AN	24.0	12.0	VCP	Long. Crack(7', 18'), Mult Crack(8', 11', 15'), Lt Roots at joints(8', 11', 17', 20'), Size reduction to 4"(22')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5159	NN42-9-3SW	NN42-9-3NW	11.0	12.0	VCP	Med Roots in line(5', 9'), Survey abandoned(11')-Roots	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5160	NN42-9-3	NN42-9-3SW	10.0	12.0	VCP	Size reduction to 4"(7')	Dig Mainline	2				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5161	NN29-9-0-4W	NN29-9-0-4NW	29.0	12.0	VCP	Long. Crack(7', 8'), Mult Crack(11', 12'), Lt Roots at joints(4', 11', 17', 20')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5162	NN29-9-0-3W	NN29-9-0-3NW	27.0	12.0	VCP	Mult Cracks(5'-27'), Lt MD at joint(17'), Med Roots at joint(20')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST				
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5163	NN29-9-0-3	NN29-9-0-3W	34.0	12.0	VCP	Long. Crack(22'), Mult Crack(24', 27'), Med OS joint(29'), Lt Roots at joints T/O, Pipe reduction to 4"(32")	None	4.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW5164	NN42-11W	NN42-11NW	27.0	12.0	VCP	Lt Roots at joints T/O	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5165	NN42-11S	NN42-11SW	27.0	12.0	RCP	Long. Crack(13', 14', 16', 20'), Circ. Crack(14', 21', 25')	None	3.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5166	NN42-11N	NN42-11NNW	27.0	12.0	RCP	Circ. Fracture(5'), Lt H2S damage T/O	Dig Mainline	6.4				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5167	NN29-9-0-5	NN29-9-0-5W	24.0	12.0	VCP	Mult Crack(8'), Survey abandoned(24')--Brick, Can't perform reverse due to reducer at upstream end	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5168	NN29-9-0-5	NN29-9-0-5NW	45.0	12.0	VCP	Mult Crack(5'), Med OS joints(20'-45'), Long. Crack(22', 29'), Hinge Fracture(37'), Large OS joint(42'), Size reduction to 4"(43")	None	4.2				\$ -									\$ -		\$ -			\$ -	\$ -	
SW5169	NN42-6-3-1N	NN42-6-3-1NW	27.0	12.0	VCP	Long. Crack(11'), Mult.Crack(22'), Lt Roots at joints(5', 8', 11', 18')	None	5				\$ -									\$ -		\$ -			\$ -	\$ -	
SW5170	NN42-6-3-1	NN42-6-3-1N	48.0	12.0	VCP	Mult Crack(9'), Hinge Fracture(19', 23', 25'), Med OS joint(31'-48'), Size reduction to 4"(45")	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5171	NN42-6-3-1	NN42-6-3-1SW	32.0	12.0	VCP	Mult Cracks T/O, Med OS joint(19', 28')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5172	NN42-13-1-5	NN42-13-1-5N	34.0	10.0	RCP	Lt H2S damage T/O, Long. Fracture(25'), Lt Roots at joints(13'-34'), Survey abandoned(34')--Hvy Roots	None	5				\$ -									\$ -		\$ -			\$ -	\$ -	
SW5173	NN42-13-1-5NW	BLIND TAP	4.0	10.0	VCP	Survey abandoned(4')--bend in line	None	2				\$ -									\$ -		\$ -			\$ -	\$ -	
SW5174	NN42-13-2	NN42-13-2W	59.0	12.0	VCP	Med OS joint(9'-35', 45', 48'), Spiral Crack(36')	None	2.4				\$ -									\$ -		\$ -			\$ -	\$ -	
SW5175	NN42-13-2	NN42-13-2SW	34.0	12.0	VCP	Spiral Crack(8', 27'), Med OS joints(9'-34'), Long. Crack(15'), Circ. Crack(32')	None	2.8				\$ -									\$ -		\$ -			\$ -	\$ -	
SW5176	NN42-13-2W	NN42-13-2NW	29.0	12.0	VCP	Hinge Fracture(16', 28')	Dig Mainline	6.66				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5177	NN42-13-2	NN42-13-2NNW	61.0	12.0	VCP	Long. Crack(14', 18', 36', 40', 42', 47'), Hinge Fracture(19', 22', 24'), Mult Crack(53')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5178	NN42-13-2-1	NN42-13-2-1W	28.0	12.0	VCP	Long. Crack(10'), Mult Crack(16', 22'), Mult Fracture(24'), Circ. Fracture(26'), Pipe size reduction to 4" with backflow preventer(26')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5179	NN42-13-2-W	NN42-13-2-1NW	29.0	12.0	VCP	Mult Fracture(6'), Mult Crack(7'-29'), Med OS joint(9', 21'), Settled deposits(11', 17')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5185	NN29-11-4	NN29-11-4NW	46.0	12.0	VCP	Hinge Fracture(10'-19'), Deformed(12', 15'), Med OS joint(38'), Lt Roots at joint(6'), Lt MD at joints(22', 24')	Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5186	NN29-11-3	NN29-11-3SW	29.0	12.0	VCP	Spiral Fracture(2'), Mult Crack(8', 19'), Long. Crack(18'), Hinge Fracture(21'), Lt MD at joints(14', 16', 18')	Dig Mainline	6.4				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5187	NN29-11-3	NN29-11-3S	17.0	12.0	PVC	Pipe size reduction to 10"(7")	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5188	NN29-9-1-4SW	NN29-9-1-4W	27.0	12.0	VCP	Long. Crack(13'), Med OS joint(22'), Lt MD at joints(10', 16')	None	3.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5189	NN29-11-2	NN29-11-2N	38.0	10.0	VCP	Long. Crack(13', 15', 17', 19', 21', 23', 30'), Hole with void visible(30'), Med OS joint(28'-34'), Obsstacle in joint(30')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5190	NN29-11-2	NN29-11-2NNW	49.0	12.0	VCP	Large OS joint(5'), Spiral Crack(6'), Long. Crack(28'-35', 45'), Lt Roots at joints(9', 11', 15'), Lt MD at joints(24', 42')	None	4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW5191	NN29-11-2SW	NN29-11-2NW	28.0	12.0	VCP	Long. Crack(16', 17'), Med OS joint(22'), Lt MD at joints(4'-28')	None	3.4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW5192	NN29-11-2SW	NN29-11-2	64.0	12.0	VCP	Long. Crack(12', 40'), Mult Fracture(22'), Hinge Fracture(23'-51', 55', 56'), Broken(60'), Hole(61')	Dig Mainline (59'-64')--sketch and report sent to city FCIPP	8	64			\$ 3,840.00									\$ -	1	\$ 8,500.00		\$ -	\$ 12,340.00		
SW5194	NN29-13-8	NN29-13-8S	52.0	10.0	VCP	Long. Cracks T/O, Lt H2S damage T/O, Med OS joint(45')	None	5.2				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW5196	NN29-13-2	NN29-13-2S	12.0	10.0	PVC	Long. Crack(10')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5197	NN29-13-2	NN29-13-2SW	4.0	10.0	VCP	Survey abandoned(4')--Bend in line	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5198	NN29-13-2-4	NN29-13-2-4W	60.0	10.0	RCP	Long. Cracks T/O, Hinge Fractures T/O, Lt H2S damage T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5199	Blind Tap	NN29-13-2-4NW	34.0	10.0	RCP	Lt H2S damage T/O, Long. Crack(21, 27, 31'), Mult Crack(33')	None	4.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW5200	NN29-13-12	NN29-13-12S	23.0	10.0	RCP	Circ. Crack(6'), Long. Crack(7', 12')	None	3.4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW5201	NN29-13-12N	NN29-13-12	5.0	10.0	VCP	Spiral crack(2'), Long. Crack(2')	None	4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5202	NN-29-13	NN29-13S	22.0	12.0	RCP	Spiral Crack(8'), Lt H2S damage(10'), Circ. Fracture(14'), Brick(21')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5203	NN29-11	NN29-11NW	47.0	12.0	VCP	Long. Crack(8', 39', 42'), Mult Crack(30), Med OS joint(38', 44'), Mult Fracture(46')	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5204	NN29-11-1A	NN29-11-1AW	30.0	10.0	VCP	Long. Crack(6', 10', 12', 14', 20', 22', 24', 26'), Mult Crack(18', 22'), Hole with void(25')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5205	NN29-11SW	Blind Tap	33.0	12.0	VCP	Spiral Crack(5', 14', 29'), Deformed(20', 23')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5206	NN29-10	NN29-10NE	115.0	12.0	VCP	Long. And Mult. Cracks T/O, Lt MD at joints T/O, Size reduction to 10"(113')	Dig Mainline (113'-115') FCIPP	6	115		1	\$ 7,400.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 15,900.00	
SW5207	NN29-10SE	Blind Tap	35.0	12.0	RCP	Long. Crack(7', 11', 13', 17', 19', 25', 28', 34'), Hinge Fracture(8', 30')	None	4.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5208	NN29-9W	NN29-9NW	28.0	12.0	VCP	Mult. Long. And Spiral Cracks T/O, Lt MD at joints(5'-14')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5209	NN29-8SE	NN29-8NE	50.0	8.0	VCP	Sag(26')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5210	NN29-8-1S	NN29-8-1N	27.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5211	NN29-8-1	NN29-8-1S	29.0	12.0	VCP	Soiral Crack(6'), Long. Crack(14', 20', 22'), Mult crack(26'), Lt MD at joints T/O, Size reduction to 4"(28')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5212	NN29-8-2S	NN29-8-2E	29.0	12.0	VCP	Med OS joint(6'), Mult Crack(8'-29'), Long. Crack(11'), Lt MD at joints T/O	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5213	NN29-8-2	NN29-8-2S	37.0	12.0	VCP	Spiral Crack(5', 15'), Long. Crack(7', 29'), Mult Crack(28', 32', 34'), Lt MD at joints T/O, Size reduction to 4"(35')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5214	NN29-8-3	NN42-9SE	31.0	12.0	VCP	Mult Crack(5', 7'-31'), Lt MD at joints(14', 20'), Size reduction to 4"(28')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5215	NN29-8-3	NN42-9N	22.0	12.0	RCP	Size reduction to 4"(20')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5217	NN29-9-0-1A	NN29-9-0-1ANE	13.0	10.0	PVC	Backflow preventer installed (11')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5218	NN29-9-0-1	NN29-9-0-1W	22.0	12.0	VCP	Large OS joint(20'), Med OS joint(17'), Lt Roots at joints(5', 7', 11', 20'), Pipe reduction to 4"(21')	None	2.6				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5219	NN29-9-0-1	NN29-9-0-1NW	45.0	12.0	VCP	Hinge Fracture(12', 22', 27'-45'), Mult Crack(14'), Deformed(38')	Dig Mainline	8.2				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5220	NN42-11	NN42-11S	25.0	12.0	RCP	Long. Crack(8'), Rebar visible(16'), Pipe size reduction to 4"(21")	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5221	NN42-11	NN42-11N	50.0	12.0	RCP	Long. Crack(9'-19'), Lt H2S damage T/O, Spiral Crack(24', 48'), Pipe reduction to 4"(49")	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5222	NN29-9-0AE	NN29-9-0A	11.0	12.0	VCP	Mult crack(4'-11'), Mortar in line(9')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5223	NN29-9-0	NN29-9-0W	9.0	12.0	PVC	Backflow preventer installed (8')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5224	NN29-9-0	NN29-9-0N	20.0	12.0	VCP	Mult Crack(13', 15'), Long. Crack(15'), Hinge Fracture(19'), Line ends in Bulkhead	None	5.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5371	B4-2-1	B4-2-2	304.0	24.0	RCP	Lt Roots at joints(79'-105', 217', 222', 230')	None	2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5377	NS59-9-1-8	NS59-9-1-8A	129.0	12.0	RCP	Long. Cracks T/O, Hinge Fracture(24'-61'), Lt MD at joints T/O	None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5386	NS6-13-16-1NW	BLIND TAP	35.0	10.0	RCP	Lt Roots at joints T/O	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5387	NS6-13-16-1SW	NS6-13-16	466.0	10.0	RCP	Lt Roots and Lt MD at joints T/O	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5389	N21SE	N19A	91.2	12.0	RCP	DEPOSITS @ 19', 86'; OFFSET JOINTS FROM 25'-76'; TRAP AT CB	NONE	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5390	N16S-S	N16A	42.5	12.0	RCP	LONGITUDINAL CRACKS @ 18', 21'; MULTIPLE CRACKS @ 37'; OFFSET JOINT @ 39'	NONE	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5391	N15A	N16	93.8	12.0	RCP	NOTE, MH NUMBER WAS CHANGED ON REPORT. CIRCULAR CRACK @ 34'	NONE	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5392	N8A1	N8A	54.8	12.0	RCP	CL @ 12', 33', 41'; JOM @ 45'; FM @ 51'; DAE @ 48'; MMC @ 51' (VCP)	DIG UP AND REPLACE LAST 3' OF PIPE	7.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5393	N9A-1	N9A-1S	38.8	12.0	RCP	JOM @ 12', 15', 30'; ID @ 33'; DAE @ 36'	NONE	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5394	N12SSE	N12SE	37.9	12.0	RCP	CL @ 36'	NONE	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5398	NS6-1-2AN	NS6-1-2ANW	28.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5399	NS6-1-2A	NS6-1-2AW	51.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5400	NS6-1-2A	NS6-1-2ASW	63.0	12.0	VCP	Med OS joint(18', 56'), Hole(54', 55', 56')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5402	N2AS	N2A	52.1	12.0	RCP	JAM/LL/DAE @ 24'	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5404	N5-SSW	N5-SW	37.5	12.0	RCP	JOM @ 11'	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5405	NS6-1-2A	NS6-1-2ANE	13.0	12.0	VCP	Size reduces to 10"(11')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5406	NS6-1-2A	NS6-1-2AN	38.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5407	NS6-1-2ASE	BLIND TAP	26.0	12.0	VCP	Mult Crack(25')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5408	NS6-3NE	NS6-3E	21.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5409	NS6-3NE	NS6-3	15.0	12.0	RCP	Long. Crack(13')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5411	NN1-1AS	NN1-1A	80.4	12.0	RCP	LARGE OFFSET JOINT/HOLE VOID VISIBLE @ 2'; LIFT HOLES THROUGHOUT, APPEAR TO BE PLUGGED; DEPOSITS THROUGHOUT LINE		5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5413	NN70-1-4AN	NN70-1-4A	8.0	12.0	RCP		None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5414	NN66-9A	NN66-13ANE	165.0	12.0	VCP	Med OS joints T/O, Long. Crack(24'), Mult Crack(34'), Lt MD at joint(14')	None	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5415	NN58-5	NN58-5S	8.0	12.0	VCP	Lt Roots at joint(5')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5421	NN42-6-3	NN42-6-3N	44.2	12.0	RCP	OFFSET JOINT @ 33'	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5422	NN47-3	NN47-3N	14.0	12.0	VCP			2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW5423	NN47-3	NN47-3NW	33.0	12.0	VCP	Med OS Joints(9', 17', 21'), Long. Crack(15', 21'), Lt Roots at joint(15')	None	3				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5424	NN73-5N	NN73-5	42.0	12.0	RCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5426	NN66-16-3	NN66-16-3SW	79.7	12.0	CMP	TRAP AT CB	NONE	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5428	ST-38-43SW	ST-38-43S	27.0	12.0	RCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5430	NN29-2-1NE	NN29-2-1SE	25.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5431	NN29-2-1	NN29-2-1SE	23.0	12.0	VCP	Size reduces to 4"(20")	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5433	NN29-2	NN29-2NNW	30.0	12.0	RCP	Mult Crack(8'), Med OS joint(23')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5435	NN29-2	NN29-2SSW	39.0	12.0	RCP	Mult Crack(16'), Med OS joint(36'), Size reduces to 8"(32')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5437	NN38-2	NN38-2NE	11.0	12.0	VCP	Lt MD at joints(7', 8')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5438	NN38-2	NN38-2NW	25.0	12.0	VCP	Mult and long. Cracks T/O	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5439	N19-W	N19A	100.5	12.0	RCP	DEPOSITS THROUGHOUT; SEPERATED JOINT @ 97'	NONE	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5440	ST-38-40-1	ST-38-40	32.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5441	ST-38-42-1	ST-38-42	27.0	12.0	RCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5442	ST-38-42NE	ST-38-42	25.0	12.0	RCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5443	ST-38-42SSW	ST-38-42S	28.0	12.0	RCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5445	NN19-5NE	BLIND TAP	22.0	12.0	VCP		None	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
SW5447	ST-38-17-14-1	ST-38-17-14	27.0	12.0	RCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5448	ST-38-17-14NW	BLIND TAP	8.0	12.0	RCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5450	ST-38-17-15-1N	ST-38-17-15-1	7.0	12.0	RCP		None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5470	NS59-1NE	NS59-1A	12.1	12.0	RCP	MULT CRACK @ 10'	NONE	7.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5501	NN29-9-2-2A	NN29-9-2-2AW	22.0	12.0	VCP	Long. Crack(3', 5', 9', 11', 13', 17'), Med OS joint(4', 9'), Mult. Crack(13', 17')	None	4.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5502	NN29-9-2-2A	NN29-9-2-2AS	10.0	12.0	VCP	Spiral Crack(2'), Long. Crack(6')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5512	NN66-10-4-6SW	NN66-10-4-6W	33.0	12.0	RCP	Lt MD at joint(5')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5513	NN66-10-4-6W	NN66-10-4-6	34.0	12.0	RCP	No defects observed	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5514	NN66-10-4-6	NN66-10-4-6N	20.0	12.0	RCP	Circ. Crack(12'), Lt MD at joint(12')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5516	NN42-21-5	NN42-21-5-1N	145.0	12.0	RCP	Lt MD at joints(39'), Sag(103')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5517	NN42-24-4SW	NN42-24-4W	32.0	10.0	VCP	Med OS joint(7', 10'), Long. Crack(28'), Lt MD at joint(19')	None	3.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5531	NN42-17-5-4	NN42-17-5-3A	38.0	12.0	RCP	No defects observed	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5532	NN42-17CNE	BLIND TAP	52.0	10.0	VCP	Long. Crack(14', 17', 48', 50'), Hole(41', 50'), Large OS joint(50')	Dig Mainline	6				\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5533	NN42-17C	NN42-17CE	46.0	10.0	RCP	No defects observed	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5534	NN42-24-4SW	NN42-24-4	38.0	10.0	VCP	Mult Crack(4', 9', 19'), Hinge Fracture(18', 21', 23'-28')	Dig Mainline	6.8				\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5535	NN42-17SW	NN42-17	36.0	12.0	VCP	Long. Crack(21'), Lt Roots at joint(15')	None	4				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW5536	NN42-17	NN42-17NW	26.0	12.0	VCP	Long. Crack(9', 21'), Size reduciton to 10"(22')	None	4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5537	NN42-19-1A	NN42-19-1ASE	27.0	10.0	Truss	Lt Roots at joints(4', 7', 10')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5538	NN42-19-1A	NN42-19-1AE	17.0	10.0	PVC	Lt Roots at joint(13')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5539	NN42-21-1AW	NN42-21-1ASW	27.0	12.0	VCP	Mult Crack(3', 5'), Large OS joint(25'), Lt Roots at joints(4', 7')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5540	NN42-21-1A	NN42-21-1AW	20.0	12.0	VCP	Mult Crack(6', 9', 13', 16'), Lt Roots at joints(5', 8', 11'), Size reduction to 4"(18')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5541	NN42-21-1ANW	NN42-24-1	130.0	12.0	VCP	Mult Crack(5', 29', 34', 38', 41', 44'-70', 103', 113', 117', 126')	FCIPP	6	130		\$ 7,800.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 7,800.00	
SW5542	NN42-21-1A	NN42-21-1ANW	28.0	12.0	VCP	Mult Crack(3', 8', 17'), Med OS joint(4', 11', 19'), Lt Roots at joints(7', 16', 22')	None	4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5543	NN42-21-1ANW	NN42-21-1ANE	28.0	12.0	VCP	Mult Crack(5', 22'), Deformed(23'), Lt Roots at joints(7', 11', 19', 22')	Dig Mainline	6.6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5544	NN42-26-2ASSW	NN42-26-2ASSE	28.0	12.0	VCP	Mult Crack(3'-28'), Med OS joint(23'), Lt MD at joint(3', 24')	None	5.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5545	NN42-26-2ASSW	NN42-26-2A	34.0	12.0	VCP	Mult Crack(3'-26'), Size reduction to 4"(26')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5546	NN42-26-2ASW	NN42-26-2ANW	27.0	12.0	VCP	Mult Crack(3'-24'), Med OS joint(7', 20'), Lt MD at joint(13'), Lt Root at joint(16')	None	5				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5547	NN42-26-2A	NN42-26-2ASW	32.0	12.0	VCP			4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW5548	NN42-26-2ANNW	NN42-26-2ANNE	26.0	12.0	VCP	Long. Crack(13'), Hinge Fracture(19', 21', 24'), Lt Roots at joints(5', 6', 9')	Dig Mainline	7.2				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5549	NN42-26-2A	NN42-26-2ANNW	48.0	12.0	VCP	Mult Cracks(3'-18', 25', 30', 43'), Sprial Fracture(18')	Dig Mainline	6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5558	NN42-14	NN42-14NW	10.0	12.0	RCP	Wall missing(5'), Long. Crack(7')	None	7				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW5559	NN42-13W	NN42-13SW	28.0	12.0	RCP	Lt H2S damage T/O, Long. Cracks T/O	None	3.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5560	NN42-13	NN42-13SW	42.0	12.0	RCP	Circ. Fracture(11'), Long. Crack(12'), Spiral Crack(29', 35'), Lt MD at joints T/O, Pipe size reduction to 4"(39')	None	4.4			\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5561	NN42-13N	NN42-13NW	27.0	12.0	RCP	Long. Cracks T/O	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5562	NN42-13-3-1	NN42-13-3-1W	26.0	12.0	VCP	Broken with hole(4'), Med OS joint(9', 17', 19')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5563	NN42-13-3-1	NN42-13-3-1NW	41.0	12.0	VCP	Long. Crack(17', 22'), Med OS joint(18', 34', 37'), Mult Crack(38'), Settled deposits(20', 28')	None	3.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5566	NN42-13-3	NN42-13-3W	59.0	12.0	PVC	Backflow preventer(58')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5567	NN42-13-4	NN42-13-4SW	36.0	12.0	VCP	Spiral Crack(8', 34'), Long. Crack(14', 21', 27'), Spalling(17'-36')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5568	NN42-13-4	NN42-13-4W	66.0	10.0	VCP	Med OS joints(19', 21'), Long. Crack(45', 52'), Mult Fracture(64'), Settled deposits(27', 43', 50', 56')	None	4				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5569	NN42-13-4	NN42-13-4NW	72.0	10.0	VCP	Long. Crack(15', 26', 31', 34', 39', 48', 52', 55'-72'), Hinge Fracture(58'), Lt MD at joints T/O	None	4.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5570	NN42-13-4NNW	NN42-13-4	70.0	12.0	VCP	Med OS joint(8', 60'), Long. Crack(13', 20', 31', 35', 39', 62', 65'), Mult Crack(48'), Defective repair patch(69')	None	4.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5571	NN42-13-6	NN42-13-6NW	56.0	12.0	VCP	Med OS joint(10', 50'), Long. Crack(10'), Lt Roots at joints(24'-46'), Alignment up(52')	None	2.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5574	NN42-13-4-1	NN42-13-4-1NW	54.0	12.0	RCP	Med OS joints(14', 16', 35', 38'), Survey abandoned(54')-Blockage	None	2.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5575	NN42-13-4-1	NN42-13-4-1W	50.0	10.0	VCP	Med OS joints(23', 32', 38', 47')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5576	NN42-13-3-2	NN42-13-3-2W	20.0	12.0	VCP	Med OS joint(11', 14')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5577	NN42-13-3-2	NN42-13-3-2NWW	33.0	12.0	VCP	Med OS joint(8', 11', 14', 25', 29')	None	2.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5580	NN42-28NW	BLIND TAP	5.0	12.0	VCP	Survey abandoned(5')-Bend in line	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5581	NN42-28W	NN42-28	208.0	12.0	VCP	Long. Crack(32', 174', 186'), Med OS joint(36', 44', 56', 64', 81', 85'-198')	None	2.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW5583	NN42-13-4	NN42-13-4NW	17.0	12.0	VCP	Survey abandoned(17')--possible collapse	Dig Mainline	12.5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW5585	NN42-11	NN42-9	328.0	72.0	RCP	Line OK		2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5586	NN42-13	NN42-13N	35.0	12.0	RCP	Lt MD at joints(11', 17', 23'), Lt Roots at joint(29'), Pipe size reduction to 4"(32")	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5587	NN29-13-2	NN29-13-2N	51.0	10.0	RCP	Long. Crack(30'), Wall missing(40')	Dig Mainline	7				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5588	NN29-13-5	NN29-13-5SW	42.0	12.0	RCP	Long. Crack(7', 14', 18', 21', 37'), Lt H2S damage T/O, Me OS joint(7', 16')	None	3.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5589	NN29-13-2-1S	NN29-13-2-1W	28.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5590	NN29-13-2-1	NN29-13-2-1S	14.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5591	NN29-13-2-1A	NN29-13-2-1ANW	34.0	10.0	RCP	Long. Crack(6'), Med OS joint(20', 26'), Spiral Crack(24'), Lt Roots at joints(31')	None	2.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5593	NN42-13-3	NN42-13-3N	58.0	12.0	PVC	Sag(6'),	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5594	NN42-13-6	NN42-13-6NE	51.0	12.0	VCP	Long. Crack(7', 30'), Med Angular joint(42', 45'), Lt MD at joint(33'), Mult Crack(48')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5603	ST-38-41-1N	ST-38-41-1	6.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5604	ST-38-41-1	ST-38-41	31.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5605	ST-38-40-1W	ST-38-40-1	7.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5606	ST-38-17-14-1N	ST-38-17-14-1	7.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5607	ST-38-17-14-1NE	ST-38-17-14	15.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -			
SW5608	NN66-5	NN66-5W	34.0	10.0	VCP	Mult Cracks(19', 26', 30')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5609	NN66-16-3	NN66-16-3NW	21.2	12.0	CMP	TRAP AT CB	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5611	NS59-9-12A	NS59-9-12AW	22.0	12.0	VCP	Mult Crack(5', 11', 15', 20')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW5612	B12-5	B12-5SW	40.0	10.0	RCP	Long. Crack(13', 20', 27', 31'), Lt MD at joints(25', 31', 37'), Size reduction to 4"(38")	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5614	B12-5	B12-5SE	21.0	10.0	RCP	Long. Crack(5', 8'-21'), Lt Roots at joints(13'), Size reduction to 4"(20')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5615	NS6-18-2B	NS6-18-2BENE	131.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5616	NS6-18-2BESE	NS6-18-2BENE	27.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5617	NS6-18-2B	NS6-18-2BNW	49.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5620	NN66-4C	NN66-4CW	27.0	10.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5621	NN66-4C	NN66-4CNE	7.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5622	NS76-1-1W	NS76-1-1	57.0	12.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5623	NS76-1-1E	NS76-1-1	40.0	12.0	RCP		None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5624	NS67-11	NS67-11NW	25.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW5625	NS67-11	NS67-11SW	15.0	12.0	VCP	Mult Cracks T/O, Size reduces to 4"(13')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW5630	NS63-8S	NS59-7A-2	49.0	12.0	RCP	Mult Crack(6')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW5631	NS59-12-2NW	NS59-12-2N	28.0	12.0	RCP	Long. Crack(7'-20', 23'), Mult Crack(14'), Lt MD at joint(25')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5632	NS59-12-2NW	NS59-12-2	52.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5633	NS59-12-1S	NS59-12-1	47.0	12.0	RCP	Backflow preventer(45')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5640	B7-1	B7-1NE	44.0	12.0	RCP	Med OS joint(9', 21'), Lt MD at joint(33')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5642	B11-0-2	B11-0-2SE	165.0	12.0	RCP	Mult. Fracture(6'), , Long. Crack(8', 16', 27', 36', 40'-82', 140', 147'), Spiral Fracture(13', 31', 37'), Broken(37'), Large OS joint(37')	Dig Mainline(34'-40') FCIPP	6	165			\$ 9,900.00										\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 18,400.00
SW5643	B7-5WNW	B7-5	9.0	10.0	RCP	Large OS joint(6')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5646	NS6-20	NS6-20N	14.0	12.0	RCP		None	1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5650	NN19-1E	NN19-1	40.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5658	NN16-10-15	NN16-10-15NW	33.0	12.0	VCP	Long. Fracture(13', 14'), Spiral Fracture(16'), Lt Roots at joints(21', 29')	Dig Mainline	7				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5659	NN16-10-15	NN16-10-15N	16.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5660	NN16-10-14N	Blind Tap	27.0	12.0	VCP	Long. Cracks(12', 17', 19', 21', 23'), Mult Crack(26'), Lt Roots at joints(4'-9', 13', 16', 20', 22')	None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5665	NN16-10-2-12	NN16-10-2-12NE	14.0	12.0	RCP	Spiral Crack(7')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5666	NN29-9-1-3	NN29-9-1-3SW	26.0	12.0	VCP	Long. Crack(11'), Mult Crack(15', 17'), Hinge Fracture(19'), Lt MD at joints(10', 11'-21'), Pipe size reduciton to 10"(21')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5667	NN29-9-1-3	NN29-9-1-3S	10.0	10.0	PVC	Alignment right(9')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5687	NS37-3	NS37-3N	46.0	12.0	VCP	Mult Crack(11', 14'-34')Hvy Roots(43')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5688	NS37-3	NS37-3S	17.0	12.0	VCP	Long. Crack(13'), Med OS joint(13')	None	3				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5690	NS25-4N	NS25-4	51.0	12.0	RCP	backflow preventer	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5692	NS18-5	NS18-5NW	59.0	12.0	VCP	Mult and Long. Cracks T/O, Hinge crack(51'), Lt MD at joints T/O	Dig Mainline	6.2				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5693	NS18-5	NS18-5W	53.0	12.0	VCP	Long and Mult cracks T/O, Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5694	NS18-5	NS18-5S	27.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5695	NS18-5	NS18-5N	55.0	12.0	VCP	Mult and Long. Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5696	NS20-5	NS20-5N	50.0	12.0	VCP	Long. And Mult Cracks T/O, Lt MD at joints T/O, Size reduces to 10"(48")	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5697	NS23-5	NS23-5N	57.0	12.0	VCP	Med OS joint(6'), Long. Crack(13', 41'), Lt Roots at joints(35', 41')	None	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5698	NS23-5	NS23-5E	23.0	12.0	VCP	Mult Cracks T/O, Lt Root at joint(20')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5699	NS43-7	NS43-7NW	2.0	6.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5700	NS46-8	NS46-8SW	44.0	12.0	RCP	Lt MD at joints T/O	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5703	NS59-9-0-2B	NS59-9-0-2BNE	18.0	12.0	RCP	Lt MD at joint(13')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5704	NS59-9-0-3	NS59-9-0-3W	8.0	12.0	RCP	Backflow preventer(6')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5705	NS59-9-0-3	NS59-9-0-3S	28.0	12.0	RCP	Mult Cracks T/O	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5706	NS59-9-0-2E	NS59-9-0-2	60.0	12.0	VCP	Mult Crack(10', 14', 50'), Long. Crack(19'-50')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5707	NS59-9-0-2SE	Blind Tap	18.0	12.0	RCP	Mult Crack(10', 11'), Spiral Crack(13')	None	5.4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5708	NS59-9-0-1	NS59-9-0-1NW	8.0	12.0	VCP	Mult Crack and Hole(4')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5709	NS59-9-0-1S	NS59-9-0-1SSE	18.0	12.0	VCP	Long. Crack(5'), Mult Crack(6'-18'), Med OS joint(13')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5710	NS59-9-0-1	NS59-9-0-1E	29.0	12.0	VCP	Large OS joint(3'), Long. Crack(8', 18'), Mult Crack(19', 21')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5713	NS6-13-17-2BSW	BLIND TAP	6.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5714	NS6-13-20-2	Blind Tap	33.0	10.0	RCP	Lt MD at joints(25', 31')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5715	NS6-13-6-6B-1W	NS6-13-6-6B-1	18.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5716	NS6-13-23	NS6-13-23SW	15.0	12.0	RCP	Mult Crack(14')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5717	NS6-13-23	NS6-13-23NW	21.0	12.0	RCP	Broken(18'), Mult Crack(20'), Debris(9', 14')	6' SCIPP (16'-22')	8				\$ -	1								\$ 3,100.00	\$ -	\$ -		\$ -	\$ 3,100.00		
SW5720	NS6-13-6-1W	BLIND TAP	167.0	12.0	VCP	Med OS joint(37'), Long. Crack(50'), Mult Crack(51', 55', 65', 108', 110', 114', 118', 137', 143', 146', 165'), Hinge Crack(150', 153', 157', 161'), Lt MD at joints T/O	FCIPP	6.8	167	5	\$ 12,520.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,520.00		
SW5727	EH-33BNW	EH-33BSW	26.0	12.0	RCP	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5728	EH-32-1NNE	EH-33BSW	106.0	12.0	RCP	Long. Crack(56')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5735	NS14-3	NS14-3SE	162.0	12.0	RCP	OFFSET JOINT @ 156'	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5737	NS15-3	NS15-3N	55.0	12.0	VCP	Long. Fracture(8'), Hinge Fracture(9', 12'-24'), Mult Crack(18'-55')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5738	NS18-3E	NS18-3NE	27.0	12.0	VCP	Mult Crack(6'), Long. Crack(7'), Lt MD at select joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5739	NS18-3	NS18-3N	54.0	12.0	VCP	Mult Crack T/O, Long. Crack(40', 42;)	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5740	NS18-4	NS18-4S	8.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5741	NS15-4	NS15-4N	5.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5747	EH-32-11E	EH-32-11NE	46.8	12.0	RCP	MWLS @ 15'-EOL; LINE 80% FULL AT US CB	NONE	10				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5752	NS6-19NE	NS16-9	38.0	12.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5753	NS6-21A	NS6-21AW	15.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5754	NS6-13-26SW	BLIND TAP	31.0	10.0	RCP	Long. Crack(9', 12')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5755	NS6-13-26	NS6-13-26SE	116.0	10.0	RCP	Long. Cracks and med OS joints T/O	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5756	NS59-8-0-6	NS59-8-0-6N	58.0	12.0	RCP	Long. Crack(21', 30', 42', 50', 52', 57'), Lt MD at joints(5'-26'), Lt Roots at joints(8', 11', 17'), Size reduces to 10"(56")	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5757	NS59-8-0-6NE	Blind Tap	36.0	12.0	RCP	Rocks(31'), Lt Roots(31')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5758	NS59-8-7	NS59-8-7N	22.0	12.0	VCP	Long. Crack(12', 17'), Spiral Fracture(15'), Mult Crack(17'), Lt MD at joints(6', 9', 14')	None	4.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5760	NS59-25-3SSW	NS59-25-3S	31.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5763	NS68-9S	NS68-9	9.0	12.0	VCP	Mult Crack(7')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5764	NS67-8	NS67-8W	47.0	12.0	VCP	Med OS joint(12'), Long. Crack(22', 28')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5765	NS67-7	NS67-7N	13.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5766	NS67-3	NS67-3E	47.0	12.0	VCP	Mult cracks and Lt MD T/O, Long. Crack(19', 21', 25', 40')	None	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5771	NS71-1S	NS71-1	12.8	12.0	RCP	BROKEN @ 5.5'	Dig Mainline	12.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5772	NN72-1	NN72-1N	28.4	12.0	VCP	BROKEN PIECE @ 7'; LARGE OFFSET @ 28'; AT 28' THE ALIGNMENT GOES UP, CAMERA CANNOT NAVIGATE	Dig Mainline	12.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5773	NN66-1-1	NN66-1-1N	34.2	12.0	VCP	MULTIPLE CRACKS @ 12'. ENDED @ 34', ABOUT 6' SHORT OF CB, DUE TO ALIGNMENT LEFT. MATERIAL CHANGE TO RCP THROUGH END OF LINE	NONE	4.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5775	NS61-1W	NS61-1	38.7	12.0	RCP	BROKEN @ 18'	Dig Mainline	12.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5776	NS61-1S	NS61-1	110.0	10.0	PVC/VCP	HINGE FRACTURE (4) @ 12'-19'; TAP ROOT JOINT @ 19'; ROOTS THROUGHOUT; ROOT BALL (80%) @ 37'; MSA DUE TO ROOTS BALL. REVERSAL: WATER LEVEL >50%; CAMERA SUBMERGED AT POINTS IN VIDEO; MAT CHANGE @ 57" (VCP); JOINT SEPARATED LARGE/VOID	DIG UP AND REPLACE SEPARATED JOINT AT 58' DOWNSTREAM FROM NS61-1S	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW5777	E23-B-2A	N55	38.0	12.0	RCP	NOTE NEW MH FOUND IN FIELD. JOM @ 7'-19', 25', 31'; CL @ 24', 26'; FH3 @ 27'-EOL; CM @ 35'	FCIPP	8.75				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5780	NN51-1E	NN51-1NW	31.0	12.0	VCP	CIRCUMFERENTIAL CRACK @ 21'	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5781	NN52-1W	N52	16.0	12.0	RCP	BROKEN/HOLE VOID VISIBLE @ 9'	Dig Mainline	8.75				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5782	NS53-1SW	NS53-1	32.0	12.0	RCP		None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5783	NS53-1SE	NS53-1	14.0	8.0	PVC		None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5787	NS59-9-1-4A	NS59-9-1-4ANE	57.0	12.0	VCP	Med OS joint(20', 23'), Mult Crack(20'), Hinge Fracture(25'), Long. Crack(27', 44', 48', 51', 53'), Lt MD a select joints T/O	None	4.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5788	NS59-17-2A	NS59-17-2AW	19.0	12.0	VCP	Long. Crack(11'), Lt Roots at joints(16', 18')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5790	ST-38-42-1W	ST-38-42-1	9.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5791	NN75-2N	NN75-2	10.0	12.0	PVC	Backflow preventer	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5795	NN73-6N	NN73-6	15.0	12.0	VCP	Collapse(1')	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5797	NN42-17W	NN42-17	12.0	12.0	VCP	Mult Crack(7'), Med Angular Joint(8')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5798	NN42-20	NN42-20NW	65.0	12.0	VCP	Long. Crack(3', 4', 18', 42', 47', 54', 56'), Mult Crack(8', 12', 16', 20', 24'), Size reduciton to 10"(57")	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5799	NN42-20	NN42-20W	58.0	12.0	VCP	Mult Crack(5', 7', 17', 21', 23', 35', 37'), Broken(44', 54')	Dig Mainline	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5800	NN42-22W	NN42-22	65.0	12.0	VCP	Mult Crack(3', 6'-65'), Size reduction to 4" that has 1" pipe thru(61')	Dig Mainline(61'-65')	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5802	NN42-26	NN42-26NE	19.0	12.0	RCP	Hinge Fracture(11'), Spiral crack(13'), Long. Crack(14')	Dig Mainline	4.5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW5803	NN42-29	NN42-29E	22.0	12.0	VCP	Long. Crack(12', 15')	None	2.55				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW5818	NN66-6AW	NN66-6A	51.0	12.0	VCP	Mult Cracks T/O, Med OS joint(46', 50')	Dig Mainline	6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5819	NN66-3-2	NN66-3-2E	10.3	12.0	VCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	
SW5820	NN66-3-2	NN66-3-2NE	26.0	12.0	VCP	Mult Crack(17'), Broken(25')	Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5821	NN66-4-3	NN66-4-3E	12.0	12.0	VCP	Med OS joints T/O	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	
SW5822	NN66-4-3	NN66-4-3NE	26.0	12.0	VCP	Med OS Joint(23'), Med Roots(26')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	
SW5823	NN66-3-2BNW	NN66-3-2B	30.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	
SW5825	NN54-4-2	NN54-4-2W	49.0	12.0	RCP	Rebar visible(6'-34'), Circ. Crack(48'), Backflow preventer(49')	None	3.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	
SW5828	NS48-1	NS48-1W	38.1	10.0	PVC	CRACK MULT @ 15', 25; JOINT SEPERATED LARGE/SOIL VISIBLE @ 19'; JOINT SEPERATED LARGE/SOIL VISIBLE/INFIL DRIPPER/SURFACE REINFORCEMENT VISIBLE/ALIGNMENT LEFT @ 29'	Dig Mainline	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5829	NS46-1ASW	NS46-1AS	27.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	
SW5830	NS46-1AS	NS46-1A	21.0	8.0	PVC		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	
SW5831	NS46-1SE	NS46-1	11.4	12.0	RCP	MULT CRACSK @ 10'	Dig Mainline	7.5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5834	NS40-1A	NS40-1S	22.2	12.0	VCP	OFFSET JOINT @ 13', 19'	NONE	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	
SW5837	NN32-3	NN32-3S	19.0	12.0	VCP	Hinge Crack(5', 7', 11'), Mult Crack(7'-19'), Lt MD at joints(7'-19'), Size reduces to 4"(16")	Dig Mainline	6.8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5838	NN38-4W	Blind Tap	31.0	12.0	VCP	Long. Crack(16', 17'), Hinge Crack(18'-31'), Mult Crack(22', 25'), Lt Roots at select joints T/O	Dig Mainline	6.8				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5839	NN38-4	NN38-4E	104.0	12.0	VCP	Long. Cracks(15', 40', 45', 47', 49', 55', 83', 85'), Mult Crack(50', 56'-104'), Hinge Crack(50', 63', 66'-76', 81'), Lt Roots at select joints T/O	FCIPP	6.2	104	1	\$ 6,740.00										\$ -		\$ -	\$ -	\$ -	\$ -	\$ 6,740.00
SW5840	NN32-4	NN32-4W	19.0	12.0	VCP	Mult Crack(12'), Abandoned Survey(19')--Turn in line, reverse set-up--abandoned survey(10')--point of previous progress	None	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5841	NN32-4	NN32-4S	12.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5842	NN42-9-4-1	NN42-9-4-1E	42.0	12.0	VCP	Mult Crack(5'), Long. Fracture(12', 32'-37'), Hole(34')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5843	NN42-9-4-1	NN42-9-4-1	30.0	12.0	VCP	Mult Cracks T/O, Size reduction to 4"(28')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5845	NN29-9-0-4	NN29-9-0-4W	22.0	12.0	VCP	Mult Crack(6', 19'), Med Angular Joint(15'), Lt Roots at joint(18'), Pipe Size reduction to 4"(19')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5847	NN42-15-2	NN42-15-2N	40.0	12.0	RCP	Long. Crack(38'), Lt Roots at joints(20')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5849	NN42-13-1-1SW	NN42-13-1-1NW	30.0	8.0	RCP	Med OS joints(21', 24')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
sw5850	NN42-13-1	NN42-13-1-1NE	21.0	12.0	VCP	Mult Crack(7'), Catch basin is buried	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5851	NN42-13-2	NN42-13-2N	56.0	12.0	VCP	Long. Crack(23', 44'), Mult Crack(23', 28'), Med OS joint(25', 28', 31'-43'), Size reduction to 10"(54')	None	3.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5852	NN42-13-2	NN42-13-2S	22.0	12.0	VCP	Med OS joints(8'-22'), Long. Crack(18')	None	2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5856	B5-11W	B5-11	65.0	10.0	RCP	Long. Cracks T/O, Lt MD at joints(20', 26', 38')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5857	B5-11E	B5-11	109.0	10.0	RCP	Circ. Crack(45'). Rebar projecting(48', 58'), Lt MD at joints(40', 66', 78')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5860	NS59-9-3	NS59-9-3N	67.0	10.0	VCP	Med OS joint(11', 39', 45', 55'), Size increase to 12"(14'), Long. Crack(16', 20', 28', 30', 56'), Mult Crack(18'-67'), Lt MD at joints(14'-67')	None	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5861	NS59-9-2-6A	NS59-9-2-6AS	44.0	12.0	VCP	Long. And Mult Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5862	NN75-6N	NN75-6	12.0	12.0	VCP		None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5863	NN75-5N	NN75-5	10.0	12.0	PVC	Backflow preventer	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW5864	NN75-4N	NN75-4	8.0	12.0	VCP	Survey abandoned(1')-Large OS joint with soil visible	Dig Mainline info sent to city	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5865	NN75-3W	NN75-3	29.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5866	NN75-3N	NN75-3	10.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5868	NN70-2-3	NN70-2-3E	7.0	12.0	VCP	Mult Crack(2'), Lt Roots at joints(1'), Pipe size reduction to 3"(7')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5869	NN66-6B	NN66-6BW	15.0	12.0	VCP		None	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5871	NN29-11-4	NN29-11-4N	39.0	12.0	VCP	Spiral Crack(16'), Lt MD at joints(16', 22', 31')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5875	ST-38-42SE	ST-38-42NE	24.0	12.0	VCP	Backflow preventer at CB	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5880	NN16-10-14A	NN16-10-14ASW	14.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5882	NS48-1	NS48-1E	13.1	10.0	PVC	OFFSET JOINT @ 12'	NONE	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5884	NN42-17-3	NN42-17-3N	10.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5890	NN29-9W	NN29-9	24.0	12.0	RCP	Med H2S damage T/O, Spiral Crack(12'), Spiral Fracture(18')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5891	NN29-12E	NN29-12	17.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5892	NN29-12	NN29-12SE	26.0	12.0	VCP	Long. Crack(8'), Med OS joint(12', 14', 24'), Lt Roots at joints(12'-23')	None	3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5893	NN29-13-5	NN29-13-5N	16.0	12.0	RCP	Lt Roots at joints(14')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5894	NN29-11-1A	NN29-11-1AS	12.0	10.0	VCP	Long. Crack(4', 8'), Med OS joint(4'), Spiral and Mult Crack(8'), Brick(9')	None	4.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		
SW5896	NN66-22E	NN66-22	27.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5897	NN42-9-4A	NN42-9-4ASW	12.0	12.0	VCP	Circ. Crack(10'), Lt MD at joint(5'), Size reduction to 4"(10')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5898	NN42-11	NN42-11W	49.0	12.0	RCP	Med H2S damage(21'), Long. Crack(33'), Pipe size reduction to 4"(47")	Dig Mainline	7				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5899	NN29-13-8	NN29-13-8N	8.0	10.0	RCP	Broken with Hole(3'). Size reduction to 8"(6')	Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5900	NS69-9NN	NS69-9N	40.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5901	NS69-8S	NS69-8	80.0	12.0	VCP		FCIPP	5	80			\$ 4,800.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,800.00		
SW5902	NS71-10S	NS71-10	20.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5903	NS71-10SW	Blind Tap	28.0	12.0	VCP		None	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5905	NS59-7-2A	NS59-7-2ANW	30.0	12.0	VCP	MSA DUE TO ROOTS @ 2', DO NOT SEE ATTEMPT AT REVERSAL	Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5914	NN66-1-4	NN66-1-4N	11.0	12.0	VCP	Lt Roots at joint(11')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5915	NN66-1-4	NN66-1-4NW	27.0	12.0	VCP	Long. Crack(13'), Mult Crack(19', 20'), Lt MD at joint(7'), Lt Roots at joint(26')	None	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5916	NN64-0-3W	NS64-1-1A	97.8	12.0	RCP	LARGE OFFSET JOINT/HOLE SOIL VISIBLE 97'	DIG UP AND REPLACE FROM 94'-EOL	8.75				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5931	E7-32-3	E7-32-3NE	88.0	12.0	RCP	CL @ 38'	NONE	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5939	NN47-7	NN47-7NE	16.0	12.0	VCP	Med OS joint(8', 11'), Long. Crack(13', 15')	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5942	E23-B-2A	E23-B-2	4.0	12.0	RCP	NOTE NEW MH FOUND IN FIELD. CM @ 3'	NONE	7.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5943	NN49-4A	NN49-4ANW	83.0	12.0	VCP	Mult Cracks T/O, Lt MD at select joints T/O, Utility thru sewer(12')	FCIPP	6	83			\$ 4,980.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,980.00		
SW5946	NN47-2	NN47-2S	63.0	12.0	VCP	Med OS joints(10', 23', 29', 32', 41', 44', 47', 49'), Mult Crack(25', 59'), Lt Roots at joints(38', 44', 47', 53', 56', 59', 60')	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5947	NN44-6N	NN44-6	46.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5948	NN42-3S	NN42-3SE	31.0	12.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5949	NN42-2E	NN42-2	31.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5953	NN39-5	NN39-5S	107.0	12.0	VCP	Sprial, Mult and Long. Cracks T/O, Lt MD at joints T/O, Lt Roots at select joints T/O, Size reduces to 4"(106")	Dig Mainline (105'-107') FCIPP	6	107			\$ 6,420.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 14,920.00	
SW5954	NN39-5	NN39-5NW	32.0	12.0	VCP	Mult cracks(5', 16'-32'), Hinge crack(19'-27')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5957	NS67-6	NS67-6N	92.0	12.0	RCP	Med OS joint(15', 84'), Long. Crack(75'), Mult Crack(76')	None	3.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5958	NS59-7-2A	NS59-7-2AWNW	95.5	12.0	VCP	LONG CRACKS @ 9', 81', 84'; MULT CRACKS @ 88'	NONE	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5970	NS53-2NW	NS53-2	40.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW5971	NS53-2N	NS53-2	29.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5972	NS53-3N	NS53-3	13.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5973	NS53-6E	NS53-6	27.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5974	NS48-4SW	NS48-4	27.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5975	NS48-4S	NS48-4	16.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5976	NS46-4N	NS46-4	85.0	12.0	VCP	3' SCIPP (30'-33')	6				\$ - 1									\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00		
SW5977	NS46-5N	NS46-5	38.0	12.0	VCP		None	4				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5978	NN44-1	NN44-1SW	19.4	12.0	RCP	BROKEN AT 13'	NONE	6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5979	NS40-1A	NS40-1SSW	83.1	12.0	VCP	OFFSET JOINTS MEDIUM THROUGHOUT	NONE	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW5980	NS33-1W	NS33-1	30.8	12.0	RCP			8.75				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5980	NS40-1SSW	NS40-1A				LONG CRACK @ 2'; BROKEN @ 13'	Dig Mainline	4.5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5982	NS31-1	NS31-1W	40.2	12.0	RCP	OFFSET JOINT MED @ 34'; DEPOSITS THROUGHOUT	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5985	NS43-5N	NS43-5	45.0	12.0	PVC		None	3.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5987	NS40-2SSW	NS40-2SW	1.0	12.0	VCP	Survey abandoned(1')--Mineral Deposit	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5989	NS40-5NW	NS40-5	58.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5990	NS40-5	NS40-5N	55.0	12.0	VCP	Long. And Mult Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5991	NS37-4	NS37-4S	9.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5992	NS37-5A	NS37-5ANNW	12.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5993	NS33-2	NS33-2SW	30.0	12.0	VCP	Collapse(1')	Dig Mainline	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5995	NS33-4E	NS33-4	70.0	12.0	VCP	Collapse(5'), Spiral Fracture(42', 48'), Large OS joint(50'), Survey abandon(50')--reverse complete, Reverse--Collapse(5'), Long. Crack(7', 11'), Large OS joint(19'), Survey abandoned(20')--roots	Dig Mainline(0'-10') Dig Mainline (60'-70')	10				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW5996	NS33-5	NS33-5N	38.0	12.0	RCP	Backflow preventer(36')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5997	NS33-5	NS33-5SW	28.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5998	NS33-5	NS33-5S	31.0	12.0	RCP	Backflow preventer(29')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6000	NN49-7A	NN49-7ASE	8.0	12.0	VCP	Mult Crack(6'), Size reduction to 4"(7')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6001	NN32-3WNW	NN32-3	28.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6002	NN32-2	NN32-2NW	24.0	12.0	VCP	Mult crack T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6003	NN32-2	NN32-2NE	12.0	12.0	VCP	Mult Crack(7')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6005	NS68-8	NS68-8N	12.0	12.0	VCP	Size reduces to 10"(7'), Lt Roots at joints(10')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6006	NN29-9-2-4	NN29-9-2-4NW	49.0	12.0	VCP	Long. Cracks T/O, Lt MD at joints T/O, Pipe size reduciton to 4"(46")	None	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6007	NN66-13	NN66-13SW	28.0	10.0	CMP	No defects observed	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6009	NN66-5-5	NN66-5-5NE	74.0	8.0	VCP	LONGINTUDINAL CRACKS @ 47', 72'; BROKEN @ 62'; MULTIPLE CRACKS @ 72'	3' SCIPP FROM 61'-64'	6				\$ -	1								\$ 2,500.00		\$ -	\$ -	\$ -	\$ -	\$ 2,500.00	
SW6010	NN56-3	NN56-3S	11.0	12.0	VCP	Mult Crack(5'), Surface wall missing(5'), Large OS joint(8'), Hole with soil visible(9')	Dig Mainline	6.4				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6011	NS6-7NE	NS6-7	8.0	12.0	RCP	SPIRAL CRACK @ 7'	NONE	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6012	NS63-1-2	NS63-1-2S	28.1	12.0	RCP	MED OFFSET JOINT @ 15'	NONE	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6020	NS64-11	NS64-11N	18.0	12.0	VCP	Long. Crack(9'), Lt MD at joints T/O, Size reduces to 4"(16')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6023	NS59-1	NS59-1W	40.1	12.0	RCP	LONG CRACK @ 8'; HOLE SOIL VISIBLE @ 21'	Dig Mainline	7.5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6024	NS59-1	NS59-1E	17.4	12.0	VCP	OFFSET JOINTS @ 11', 13'	NONE	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6031	NS61-2-2S	NS61-2-2	5.0	12.0	VCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6032	NS61-3N	NS61-3	54.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6033	NS61-4NW	NS61-4	82.0	12.0	VCP		NONE	4.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6034	NS61-4N	BLIND TAP	31.0	12.0	VCP		NONE	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6035	NS61-5N	NS61-5		12.0		Hvy Roots	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6036	NS61-5S	NS61-5	70.0	12.0	VCP		FCIPP	5	70			\$ 4,200.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,200.00	
SW6037	NS59-2ASSE	NS59-2ASE	27.0	12.0	VCP		Dig Mainline	5				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6038	NS59-2ASE	NS59-2A	30.0	12.0	VCP		Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6039	NS59-2AS	NS59-2A	14.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6040	NS59-2ASW	NS59-2A	29.0	12.0	VCP		None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6041	NS61-1-6SW	NS61-1-6	29.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6042	NS61-1-6SE	NS61-1-6	10.0	12.0	PVC		Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6043	NS61-1-6ASW	BLIND TAP	29.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6044	NS61-1-6AS	NS61-1-6A	17.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6045	E23-ANW	E23-A	29.0	12.0	VCP		None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6046	E23-AN	E23-A	52.0	12.0	VCP		None	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6047	E23-A-1NW	BLIND TAP	26.0	12.0	VCP		None	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6048	E23-A-1NE	E23-A-1	20.0	12.0	VCP		Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6049	E23-2NW	BLIND TAP	35.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6050	E23-2S	E23-2	14.0	12.0	RCP		None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6051	ST-38-43S	ST-38-43	37.0	12.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6052	ST-38-42S	ST-38-42	41.0	12.0	RCP		None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6053	NN19-2S	NN19-2	6.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6056	NS3-2	NS3-2E	20.0	12.0	RCP	BROKEN SOIL VISIBLE @ 6'; DEPOSITS THROUGHOUT	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW606	B5-10	B5-9	295.0	18.0	VCP	Line in fair condition, Lt MD at joints T/O		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6063	NS28-2BE	NS28-2B	14.0	12.0	RCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6064	NS25-2AW	NS25-2A	14.0	12.0	RCP		None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6065	NS25-2BE	NS25-2B	15.0	12.0	RCP		NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6068	NS23-6	NS23-6S	9.0	12.0	RCP	Backflow preventer(8')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6072	NS20-2	NS20-2S	21.0	12.0	VCP	Lt Roots at joint(12')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6073	NS20-4	NS20-4S	8.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6074	NS20-5	NS20-5S	26.0	12.0	VCP	Mult Crack(6'-26'), Long. Crack(10')	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6075	NS20-6	NS20-6S	12.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6077	NS18-2	NS18-2S	18.0	12.0	VCP	Lt Roots at joints(9', 11')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6082	N8A-1SE	N8A-1S	44.4	12.0	RCP	CL IN SPOTS THROUGHOUT; CM @ 26'; DAE THROUGHOUT	NONE	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6083	NS15-2	NS15-2S	19.0	10.0	VCP	Survey abandoned(4')-Large OS, Reverse--Collapse(14')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6084	NS6-11-2-2E	BLIND TAP	10.0	12.0	VCP	Broken and Mult Fracture(3')	Dig Mainline	8				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6089	NS71-12-2W	NS71-12-2N	32.0	12.0	VCP	Med OS joint(14'), Long. Crack(27'), Lt MD at joints T/O	None	3.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6090	NS71-12-2W	NS71-12-2	6.0	12.0	PVC	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6091	NS59-17-3	NS59-17-3W	11.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6092	NS59-16-2-2NW	BLIND TAP	36.0	12.0	VCP	Mult and Long. Cracks T/O	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6094	NS59-17-1A	NS59-17-1AN	40.0	12.0	VCP	Mult Cracks T/O, Hinge Fracture(30'-34')	Dig Mainline	7				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6095	NS59-24-4	NS59-24-4S				Circ. Fracture(52'), Lt MD at joints(24', 57")	None	3.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6096	NS59-22-1	NS59-22-1NW	25.0	12.0	RCP	Backflow preventer(23')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6097	NS59-24-1	NS59-24-1SE	8.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6098	BLIND TAP	NS59-16-3-2NW	25.0	12.0	VCP	Long. Crack(6', 7', 13')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6099	NS59-16-3-1	NS59-16-3-1N	24.0	12.0	VCP	Mult Crack(14'), Med OS joint(15', 17'), Hinge Crack(16')	None	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6100	NS59-16-3-1	NS59-16-3-1S	13.0	12.0	PVC	No defects observed	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6101	NS59-16-3	NS59-16-3SE	15.0	12.0	VCP	Long. Crack(9'), Mult Crack(10')	None	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6102	NS59-18	NS59-18N	28.0	12.0	VCP	Mult Crack T/O, Lt and Med Roots at joints T/O	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6103	NS59-18	NS59-18NW	16.0	12.0	VCP	Long. Crack(5', 8')	None	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6104	NS59-13SW	NS59-13NW	25.0	10.0	RCP	LONG CRACKS @ 8', 13', 16'; MULT CRACKS @ 13'- END OF LINE; CONCRETE IN INVERT @ 8' - END OF LINE	NONE	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6106	NS59-9-3-6ANNW	NS59-9-3-6AW	28.0	12.0	RCP	Long. Crack(15'), Med separated joint(23')	None	3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6107	NS59-9-3-6A	NS59-9-3-6AW	35.0	12.0	RCP	Lt MD at joints(25'), Backflow preventer(34')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6108	NS59-9-0-2B	NS59-9-0-2BNW	60.0	12.0	VCP	Hinge Fracture(6'-12'), Long. Crack(4', 18', 20', 36', 46'), Med OS joint(22'-60')	None	6.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6109	NS59-9-1CSW	NS59-9-1CNW	26.0	12.0	RCP	Long. Crack(9', 13', 18'), Mult Crack(18', 23')	None	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6110	NS59-9-1C	NS59-9-1CSW	53.0	12.0	RCP	Long. Crack(25', 26', 39', 44'), Lt MD at joints(39', 45'), Pipe reduces to 10"(50')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6111	NS59-9-0-1SS	Blind Tap	35.0	12.0	VCP	Long. Fracture(8'), Spiral Crack(10', 19'), Large OS joint(27'), Lt MD at joints T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6112	BLIND TAP	NS59-9-0-1N	28.0	12.0	VCP	Mult Crack(8', 14'-28'), Long. Crack(15'), Lt MD at joints T/O	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6113	NS59-11NE	NS59-11SE	25.0	10.0	RCP	LONG CRACKS @ 10', 15'; CONCRETE IN INVERT @ 17'; MSA DUE TO CONCRETE. REVERSAL: NO DEFECTS, REACHED POINT OF PREVIOUS INSPECTION	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6114	NS59-11	NS59-11SE	47.0	12.0	VCP	LONG CRACK @ 23'; MULT CRACKS @ 36'; SIZE/MAT CHANGE @ 45' (10" RCP)	NONE	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6115	NS59-9-1-2S	Blind Tap	8.0	12.0	VCP	Long. Crack(7')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6117	NS59-9-3	NS59-9-3S	27.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6118	NS59-9-4	NS59-9-4	14.0	10.0	PVC	Spiral and Mult Crack(11')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6119	EH59-NW	Blind Tap	29.0	12.0	VCP	Mult Crack(11', 21', 26'), Long. Crack(15', 20')	None	4.2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6121	NS59-8	NS59-8AS	80.0	12.0	VCP	Long. Cracks and med OS joints T/O, Size reduction to 10"(76")	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6122	NS6-13-13-2A	NS6-13-13-2AE	18.0	10.0	RCP	Long. Crack(10')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6123	NS6-13-15-2A	NS6-13-15-2AE	17.0	10.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW6124	NS6-13-17-2A	NS6-13-17-2AN	33.0	10.0	VCP			6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW6124	NS59-8-0NE	BLIND TAP				Broken pipe(6'), Mult Crack(7'-14', 19'-26')	Dig Mainline	5.25				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW6127	NS6-13-6-3W	NS6-13-6-3	166.0	12.0	RCP	Mult Cracks T/O, Broken pipe(156', 164')	FCIPP	6	166	4	\$ 11,960.00										\$ -		\$ -	\$ -	\$ -	\$ 11,960.00			
SW6132	NS6-15-4ASW	NS6-15-4A	62.0	12.0	VCP		Dig Mainline	8				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6133	NS6-15-4ANW	NS6-15-4A	60.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW6134	NS6-17-3A	NS6-17-3	153.0	12.0	VCP		FCIPP	6	153		\$ 9,180.00										\$ -		\$ -	\$ -	\$ -	\$ -	\$ 9,180.00		
SW6135	NS6-18-2BSW	NS6-18-2BNW	28.0	12.0	RCP		None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW6141	EH-32-10NW	EH-32-10NE	48.4	6.0	VCP	NO CALLOUTS MADE/NO VIDEO REVIEWED		2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW6146	B17-5-1	B17-5	41.0	15.0	RCP	Lt MD at select joints T/O	None	2.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW6151	B5-3-1NE	B5-3-1NNE	30.0	10.0	RCP	Long. Crack(9'), Large Separated joint(18'), Hole with soil visible(18')	Dig Mainline	7.5				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6155	NS37-2	NS37-2S	11.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW6156	E23-2N	E23-2	143.0	12.0	VCP		None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW6160	B9	B9SE	35.0	10.0	VCP	Hole and Mult Fracture(5'), Med OS joint(26', 29')	Dig Mainline	7.5				\$ -								\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6162	NS6-13-17-2ASE	NS6-13-18	266.0	10.0	RCP	Med OS joint(8'), Lt MD at joints(106'-227')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW6163	B9-1-1A	B9-1-1	207.0	18.0	RCP	Sag(67'), Lt MD at joints(20', 28', 36')	None	4.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		
SW6167	NN42-21-5-1N	NN42-21-5-1	19.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6170	NN42-26-2	NN42-26-2ANNW	133.0	12.0	VCP	Long. Crack(17', 28', 53', 72'-77'), Mult Crack(48', 98', 126'), Hinge Fracture(73', 77'-87', 100')	FCIPP	6	133			\$ 7,980.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ 7,980.00	
SW6172	EH-60	NS59-9-1ASE	73.0	12.0	RCP	Long. Crack(13'-20', 51'), Settled deposits(49', 58'), Size reduciton to 10"(70')	None	4.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6173	NS59-2W	NS59-2	50.0	12.0	RCP		None	4.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6174	NS59-2NW	BLIND TAP	35.0	12.0	RCP		None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6175	NS6-13-9-2-1	NS6-13-9-2	116.0	12.0	VCP	Long. Cracks, Hinge Fractures and Mult Cracks T/O, Broken(114')	Dig Mainline (110'-116') FCIPP	7	116			\$ 6,960.00									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 15,460.00
SW6176	NS2-1-5	BULKHEAD-W	137.0	12.0	VCP	LONG CRACKS/HINGE CRACKS THROUGHOUT; MEDIUM OFFSETS THROUGHOUT; LINE ENDS AT BULKHEAD, BUT HAS ANOTHER LINE DUMPING INTO IT AT 137' AS WELL		6.2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6177	NS2-7-2-1	NS2-7-2	136.6	12.0	VCP	HINGE CRACKING @ 9'-23', 35'-39'; LONG CRACK THROUGHOUT. HEAVY ROOTS @ 136', MSA DUE TO ROOTS		6.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6178	NS2-8-2	NS2-8-2A	151.0	12.0	VCP	MULT CRACKS THROUGHOUT; HINGE CRACKING (4) @ 55', 110'-138'	FCIPP	6.6	151			\$ 9,060.00									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,060.00
SW6180	NS2-14-1	NS2-14-1W	33.0	10.0	RCP	Med OS joint(27')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6181	NS2-14-1	NS2-14	130.0	10.0	RCP	Long. And Mult Cracks(37'-95')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6184	NS6-8-1A	NS6-8-1	125.0	12.0	RCP	MULT CRACKS THROUGHOUT; HINGE CRACK (2) @ 37'-END OF LINE; ALIGNMENT RIGHT @ 120', CAMERA CAN NOT MAKE ALIGNMENT CHANGE	NONE	6.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6186	NS59-7A-3	NS59-7A-2	10.0	12.0	RCP	Limited access		2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6187	NS59-7	NS59-7A-1	201.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6188	NS59-7A-3	NS59-7A-3E	23.0	12.0	VCP	Long. Crack(8', 16')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6190	NS59-7	NS59-7SSE	45.0	12.0	VCP	Long. Cracks(7'-18'), Pipe reduces to 8"(43'), Survey abandoned(45')--reduced pipe size	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6207	NS6-13-26B	NS6-13-26A	46.0	10.0	VCP	Med OS joint(8', 44'), Long. Crack(26', 30'), Long. Fracture(33')	None	3.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW6208	NS6-13-26B	NS6-13-21-2	147.0	12.0	CIPP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6209	NS59-9-2-4A	NS59-9-2-4	133.0	12.0	VCP	Hinge cracks and fractures T/O, Broken(130'), Lt MD and Lt Roots at select joints T/O	FCIPP	7	133			\$ 7,980.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,980.00	
SW6210	NS2-3-2	NS2-3-1	36.0	12.0	VCP	LONG CRACKS THROUGHOUT	NONE	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6211	NS2-3-1	NS2-3	54.9	12.0	VCP	HINGE CRACK @ 5'-8'; MSA @ 13' DUE TO REBAR STUCK IN JOINT. REVERSAL: LONG CRACKS THROUGHOUT. REACHED POINT OF PREVIOUS INSPECTION	Dig Mainline	8.6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW6212	NS2-4-1	NS2-3	98.0	12.0	VCP	MULT CRACKS @ 7'-END OF LINE; HINGE FRACTURING @ 54'-93'	FCIPP	7.2	98			\$ 5,880.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,880.00
SW6213	NS68-5	NS68-5S	15.0	12.0	VCP	Lt to Med Roots at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6221	NS6-10	NS6-10NE	32.0	12.0	RCP	LONG CRACK @ 11'; RESTRICTED TO 4" @ CB	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6223	NS6-8ANE	NS6-8A	13.0	12.0	RCP	SPIRAL FRACTURE @ 12'	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6224	NS6-6N	NS6-6	26.0	12.0	RCP	CIRCUMFERENTIAL CRACK/DEPOSIT @ 24'	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6225	NS2-7B	NS2-7BN	20.0	12.0	VCP	LARGE OFFSET WITH SOIL VISIBLE @ 1'; LONG CRACKS @ 6', 12'; TRAP AT CB	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW6238	NS63-1-2-3	NS63-1-2-2	12.9	8.0	VCP	MULT CRACKS @ 11'	NONE	7.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6241	NS46-1A	N47A	39.9	10.0	PVC	OFFSET JOINTS THROUHGOUT	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6242	NN42-1	NN42-1SW	45.2	12.0	RCP	LARGE OFFSET JOINT/HOLE SOIL VISIBLE @ 24'; BROKEN @ 43', 44'. BOX TRAP AT CB	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW6293	NS2-3-1	NS2-3-1E	10.0	12.0	VCP	MULT CRACKS @ 7'; TRAP AT CB	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6299	B20-2	B20-2SE	9.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6300	B7-3	B5-6SSE	28.0	10.0	RCP	Long. Crack(8', 10', 14', 20', 22')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6301	B7-5NNE	B5-7	59.0	12.0	RCP	Large Separated joint(53')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6303	B7-5NE	B7-5NNE	32.0	12.0	RCP	Spiral crack(12'), Hole with soil visible(23')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW6304	B7-7W	B7-7	37.0	10.0	RCP	Large Separtaed joint(31', 34'), Hole(34')	Dig Mainline	7.5				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW6308	NS33-2	NS33-2S	21.0	12.0	VCP	Spiral Fracture(19')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW6309	N41	NS40-1-1	39.7	12.0	RCP	OFFSET JOINTS @ 15', 18', 21'; MULTIPLE CRACKS @ 38'	NONE	3.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6311	NS40-1A	NS40-1	37.6	12.0	VCP	MULT CRACKS @ 21'-25'	NONE	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6313	NS31-1	NS30	82.0	12.0	RCP	OFFSET JOINT MEDIUM/DEPOSITS THROUGHOUT	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6317	NS2-6B	NS2-6BE	89.0	12.0	VCP	CLONG CRACKS @ 10'; MULT CRACKS @ 15'-END OF LINE; RESTRICTED TO 4" AT CB	NONE	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6318	NS2-8ANW	NS2-8A	51.0	10.0	RCP	LONG FRACTURES @ 21'END OF LINE; MAT CHANGE @ 34' (VCP), 36' (RCP); VCP TRAP AT CB	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6319	B7-9	B7-9S	13.0	12.0	RCP	Lt MD at joint(7')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6321	B7-12	B7-12W	14.0	12.0	RCP	Lt MD at joits(7', 10')	None	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6373	NN66-10-1-1N	NN66-10-1-1W	28.0	10.0	VCP	Mult Crack(8', 12', 18'), Wall Missing(22')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW6374	NN66-10-1-2N	NN66-10-1-2NW	27.0	12.0	VCP	Long. Crack(7'), Med OS joint(10', 16', 22'), Mult Crack(13'-27')	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6375	NN66-10-1-2SW	NN66-10-1-2W	27.0	12.0	VCP	Long. Crack(9'), Hinge Fracture(10'), Mult Crack(19')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW6376	NN66-10-1-3	Northwest	2.0	12.0	VCP	Survey abandoned(2')-Bulkhead	Abandon Line--Flowable fill with bulkhead at manhole	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6377	NN66-10-1-3	West	22.0	12.0	VCP	Long. Crack(13', 15'), Hinge Fracture(19'), Lt MD at joints(4', 7', 15')	Abandon Line--Flowable fill with bulkhead at manhole	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6378	NN66-10-1-4	NN66-10-1-4NW	46.0	12.0	VCP	Med OS joint(8'), Long. Crack(23'), Lt Roots at joint(30'), Size reduction to 10"(40')	None	3				\$	-								\$	-	\$	-	\$	-	\$	-
SW6379	NN66-10-2-1S	NN66-10-2-1SW	26.0	12.0	VCP	Mult Crack(7'-26'), Med OS joint(9', 12', 18'), Long. Crack(15'), Large OS joint(25')	None	3.8				\$	-								\$	-	\$	-	\$	-	\$	-
SW6380	NN66-10-2-2SW	NN66-10-2-2W	27.0	12.0	VCP	Med OS joint(8', 10'), Sag(16'), Lt MD at joint(4'), Size reduction to 10"(24")	None	2.6				\$	-								\$	-	\$	-	\$	-	\$	-
SW6381	NN66-10-3-3	Bulkhead	46.0	12.0	VCP	Med OS joint(16', 18'), Long. Crack(30', 36', 40', 42', 44'), Mult Crack(20', 32'), line ends in Bulkhead	None	4				\$	-							\$	-	\$	-	\$	-	\$	-	
SW6382	NN16-10-15NW	NN29-8SE	31.0	8.0	VCP	Lt Roots at joints T/O, Survey abandoned(18')-Hvy Roots, Reverse--Survey abandoned(13')-Hvy Roots	None	2				\$	-							\$	-	\$	-	\$	-	\$	-	
SW6383	NN66-11-1N	NN66-11-1NW	25.0	10.0	VCP	Mult Crack(4', 8'), Lt MD at joints(6', 15', 22')	Dig Mainline	6				\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW6384	NN66-11-2	EOL (West)	2.0	10.0	VCP	Line ends in bulkhead(2')	None	2				\$	-							\$	-	\$	-	\$	-	\$	-	
SW6385	NN66-11-3N	NN66-11-3NW	26.0	10.0	VCP	No defects observed	None	2				\$	-							\$	-	\$	-	\$	-	\$	-	
SW6386	NN66-11-4N	NN66-11-4NW	26.0	10.0	VCP	Mult Cracks(3'-7', 10', 16'), Alignment up(22')	Dig Mainline	6				\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW6387	NN66-12-2	NN66-12-2SW	42.0	10.0	VCP	Long. And Mult Cracks T/O, Hinge Fracture(18', 35', 39', 40'), Line ends at bulkhead(42')	Bulkhead in MH and abandon line	6.6				\$	-						\$	-	1	\$ 6,000.00		\$	-	\$	6,000.00	
SW6388	NN66-12-4	NN66-12-4SW	44.0	10.0	VCP	Hinge Fracture(11', 42'), Mult Crack(36'), Long. Crack(38', 40'), Line ends at bulkhead(44')	Bulkhead in MH and abandon line	6.4				\$	-						\$	-	1	\$ 6,000.00		\$	-	\$	6,000.00	
SW6389	NN66-14-2W	NN66-14-2SW	23.0	10.0	VCP	Mult Crack(14'), Long. Crack(17'), Lt MD at joint(7'), Lt Roots at joint(19'), Med Root at joint(22')	None	5				\$	-						\$	-	\$	-	\$	-	\$	-		
SW6390	NN66-15-2	NN66-15-2W	48.0	10.0	VCP	Mult Crack(3'), Long. Crack(5', 9', 20', 21', 25'), Hinge Fracture(13', 15')	Bulkhead MH and abandon line	5.8				\$	-						\$	-	\$	-	\$	-	\$	-	\$	-
SW6391	NN66-15-4	NN66-15-4SW	46.0	10.0	VCP	Hinge Fracture(15', 18', 38', 42'), Mult Crack(19', 35'), Lt Roots at joints(28'-45'), Pipe reduces to 4"(46")	Dig Mainline	8				\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW6392	NN66-15-4SE	NN66-15-4E	25.0	10.0	VCP	Lt Roots at joints T/O	None	2				\$	-						\$	-	\$	-	\$	-	\$	-	\$	-
SW6394	B12-5SE	B12-NE	26.0	10.0	RCP	Med OS joint(13'), Spiral Crack(13')	None	3				\$	-						\$	-	\$	-	\$	-	\$	-	\$	-

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6395	NN42-19-1A	CB-West	105.0	10.0	RCP	Med OS joint(9'), Long. Crack(11', 12')	None	3.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6396	NN42-22W	NN42-22NW	26.0	12.0	VCP	Med OS joint(12', 15'), Lt Roots at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6397	NN29-9-1-5SSE	Blind Tap	32.0	12.0	PVC	Hinge Fracture(7', 9'-32'), Rocks(17')	Dig Mainline	7.4				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6399	NN29-9-0W	NN29-9-0N	28.0	12.0	RCP	Infiltration stain(11', 12', 13')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6400	NN42-15-2N	NN42-15-2NW	60.0	12.0	RCP	Long. Crack(5'-48'), Lt H2S damage(31', 33', 34')	Dig Mainline	7				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6401	NN42-13-3N	NN42-13-3NNW	28.0	12.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6402	NN42-13-3NW	NN42-13-3W	28.0	12.0	PVC	Settled Gravel(11')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6403	EH-32-15-1	EH-32-15	11.0	12.0	RCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6404	B4-2-3	B4-2-3-1	149.0	12.0	VCP	Mult Crack(26', 145') Med OS joint(48', 78', 84'-149'), Long. Crack(87', 102'), Lt MD at joints(57'-149')	None	3.6				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6405	B9-1	B9-1N	34.0	12.0	RCP	Long. Crack(8', 27'), Size reduction to 4"(30')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6406	B11-02SE	B11-0-2SSE	26.0	12.0	RCP	Long. Crack(7', 14', 20', 24'), Circ. Crack(26')	None	3.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6407	B17-2	B17	37.0	24.0	RCP	Long. Crack(4'), Spiral Crack(7'), Lt MD at joints(32')	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6408	NN49-5N	NN49-5NW	28.0	12.0	VCP	Mult Crack(5', 8'-20', 22'), Lt MD at joints(5', 16', 18')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6409	B7-4	B7-4A	293.0	21.0	RCP	Lt MD at joints T/O	None	2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6410	NN42-29	CB-West	75.0	12.0	VCP	Med OS joint(6'), Long. Crack(18', 65')	None	2.55				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6411	NN66-10-1-4	East	145.0	12.0	VCP	Long. Crack(72', 109', 137'), Hinge Fracture(101'), Lt MD at joints(9', 59', 66', 69'-98')	6' SCIPP (98'-104')	4.5				\$ -	1								\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6412	NN66-10-1-4	Northwest	45.0	12.0	VCP	Long. Crack(12', 16', 25'), Hinge Fracture(14', 19'), Mult crack(45'), Survey abandoned(45')--Bulkhead	None	6.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
SW6414	NN66-10-1-5	West	16.0	12.0	VCP	Broken(16'), Lines ends at bulkhead	Abandon Line--Flowable fill with bulkhead at manhole	10				\$ -										\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
SW6415	NN66-10-1-6	Southwest	72.0	10.0	RCP	Circ. Crack(67'), Lt MD at joints(18', 24', 30', 61'), Line ends at bulkhead(72')	None	2				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6416	NN66-10-2-1	Northwest	23.0	12.0	VCP	Mult Crack(5', 6'), Sag(9'), Lt MD at joint(12')	None	5.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6417	NN66-10-3-4	North	94.0	8.0	VCP	Debris in lat(67'), Circ. Crack(65'), Spiral Crack(70'), Hole(73'), Lt MD at joints T/O	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6418	NN66-10-4-3	Northwest	48.0	12.0	VCP	Long. Crack(16', 23'), Mult Crack(47'), Bulkhead or Collapse(48')	Bulkhead in MH and abandon line	6				\$ -									\$ -	1	\$ 6,000.00		\$ -		\$ -	\$ 6,000.00
SW6422	NN42-6-1A	NN42-9-2NW	52.0	12.0	RCP	Sag(17'), Missing Wall(27')	Dig Mainline	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
SW6423	NN42-6-3-1NW	NN42-6-3-1	55.0	12.0	VCP	Mult crack(7', 9'), Long Crack(14'-34', 44')	None	5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6426	NN49-4	EOL(North)	45.0	12.0	VCP	Large OS joint(2'), Lt MD at joints(11', 37', 41'), Line ends in bulkhead(45')	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6430	NN49-6	EOL(Northwest)	50.0	12.0	VCP	Mult Crack(13', 29', 37'), Long. Crack(24', 28', 31', 49'), Survey abandoned(50')--Debris	None	4.8				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6431	NN47-2	EOL(East)	30.0	12.0	VCP	Mult Crack(8', 26')Lt MD at joints(5', 11', 13'), Line ends in bulkhead(30')	None	5.4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6432	NN70-1-1	EOL (Northwest)	25.0	12.0	VCP	Pipe material in line(8'), Line ends in bulkhead(25')	None	2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6433	NN66-3	EOL (Northwest)	39.0	12.0	VCP	Mult Crack(8', 10', 13'), Line ends in bulkhead	None	6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6434	B7-9A	B7-8	47.0	18.0	RCP	Lt MD at joints T/O	None	2.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6439	NN29-9-2-4	EOL (Southwest)	43.0	12.0	VCP	Long. Crack(10', 35', 37', 43'), Mult Crack(18'), Lt MD at joints(4'-14', 39'), Line ends in bulkhead	None	4				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6440	NN29-11-2	EOL (West)	62.0	12.0	VCP	Hinge Fractures and Med OS joints T/O, Line ends at bulkhead	Build MH FCIPP	7	62			\$ 3,720.00									\$ -	1	\$ 6,000.00		\$ -		\$ -	\$ 9,720.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6441	NN29-9-3-1	EOL (Northwest)	23.0	12.0	VCP	Mult Crack(7'), Long. Crack(19'), Spiral Fracture(22'), Lt MD at joints(9'-23'), Line ends in bulkhead(23')	None	4.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6442	NN29-9-0-3	EOL West	40.0	12.0	VCP	Long. Crack(8', 36'), Hinge Fracture(24', 26'-33'), Mult Crack(39'), Lt Roots at joints T/O, Line ends in Bulkhead	Bulkhead, fill line and abandon	7.4				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW6444	NN42-13-1-1	NN42-13-1-1SW	8.0	8.0	PVC	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6445	NN42-13-2-1	EOL Northwest	36.0	12.0	VCP	Mult. Crack(12'), Long. Crack(26'), Line ends in bulkhead	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6446	NN42-17-5-2	EOL West	36.0	12.0	VCP	Sag(16', 26'), Spalling(18', 21'), Long. Crack(26')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6448	NS59-21-2	NS59-21-1	479.0	18.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6449	NS59-21-1	NS59-21	475.0	21.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6450	NS59-21-3	NS59-21-2	145.0	15.0	VCP	Mult. Cracks(19' to 34', 51')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6452	NS6-13-6-5-1	NS6-13-6-5	266.0	18.0	VCP	Line in good condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6453	NS6-13-6-7	NS6-13-6-6	270.0	18.0	VCP	Line in good condition		1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6454	NS28-7	NS28-6	373.0	15.0	VCP	Pro lats(24', 219', 343'), Large OS in lat(260'), Long. Cracks T/O, Mult. Cracks(160' to 175', 190' to 205'), Inf. @ joint(125'), Mult. Fractures(361', 370')		6.3	373	3	6	\$ 28,745.00									\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ 28,745.00	
SW6455	NS6-13-6-8	NS6-19-1	339.0	12.0	HDPE			1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6462	*NS15-5	*NS15-4	21.0	15.0	CIPP			2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6477	NN29-9-3-1	NN29-9-3	23.0	21.0	RCP	Line Ok		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6478	NS59-22	NS59-21	329.0	36.0	RCP	Med MD in lats(64', 82', 124', 164', 183', 205'), Lt MD in lats(142', 225')		1.8				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6479	NS59-21	NS59-21N	30.0	12.0	VCP	Mult Crack(5'-30'), Hinge Crack(12'), Hole(18')	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
SW6486	NN66-10-1	NN66-10-1A	26.6	12.0	CMP	NO DEFECTS OBSERVED	NONE	2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6487	NN58-1	Blind Tap	21.0	27.0	RCP	Line OK		2.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6495	NN38-7	NN38-6	372.0	12.0	VCP	Pro lats(3', 33', 106', 170', 212', 228'), Mult. Cracks(145'), Long. Crack(359')		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6498	NN4-4	NN4-4A	51.0	36.0	RCP	Line in fair condition, Med MD in lat(39'), Med MD at joint(46')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6499	NN42-6	NN29-4-4	121.0	24.0	VCP	Line Ok		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -
SW6501	NS14-9	NS14-8	138.0	12.0	VCP	Line in good condition		2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6502	CB13-6-4A	NS6-13-6-4	83.0	12.0	VCP	Line in fair condition		1.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6507	NS3-1-3A	NS3-1-3	124.0	12.0	VCP	LONG CRACKS/MULT CRACKS THROUGHOUT	NONE	5.2			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6508	N8A-1	N8A-1S	25.4	12.0	RCP	CM @ 13'; CC @ 19'; DAE @ 22'. REPORT SAYS SW5392, CHANGED BY GIS TO SW6508	NONE	5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6517	NS59-16-4	NS59-16-3	39.0	18.0	VCP	Line OK		2.6			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6519	NS59-8-0NE	Blind Tap	22.0	10.0	RCP	Med OS joint(7'), Long. Crack(13'), Gravel(11')	None	3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6523	NN70-1-5	NN70-1-4	345.0	12.0	VCP	Pro lats(84', 112', 150', 228', 270', 294'), Long. Crack(26')		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6524	NN42-4	NN42-3	900.0	72.0	RCP	Line labeled wrong on video, Line OK		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6525	NN42-2	NN42-1	797.0	72.0	RCP	Line Ok		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6563	NS59-6-6	NS59-6-5	234.0	36.0	RCP	Line in good condition, DAE Joint (14-47, 88-141)		2.3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SW6564	NN66-10-1-5	East-2	296.0	12.0	VCP	Long. Cracks and Lt MD at joints T/O	None	4			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE									
SW6566	NN51-3	NN51-3NE	100.0	12.0	VCP	Med OS joints T/O, Mult Cracks T/O, Wall Missing(72'), Hole(95'), Size reduces to 4"(98'), Map, TV report and photo sent to city	Dig Mainline (95'-100') FCIPP	6	100			\$ 6,000.00									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 14,500.00	
SW6569	B5-11E	EOL(North)	6.0	10.0	RCP	Line ends in bulkhead(2')	None	2				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6570	B4-1NE	NS2-10W	168.0	15.0	RCP	Lt MD at joints T/O	None	2.1				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6571	NN29-9-0-5	EOL West	121.0	12.0	RCP	Spiral Crack(25'), Long. Crack(26'), Broken(121'), Gas Line thru sewer(121')	Dig Mainline-Info given to consumers for repair	6				\$ -									\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6572	NN42-17-4	EOL East	32.0	12.0	VCP	Long. Crack(49', 105'), Lt MD at joints T/O	None	3.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6573	EH-32-14-5	EH-32-14	187.0	42.0	RCP	Long. Crack(10', 16'), Sag(16'), Med OS joint(20'), Lt MD at joints(23', 30'), Survey abandoned(32')-Mineral Deposit	None	6.9				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6574	B9-4	B9-4SW	100.0	12.0	RCP	Long. Crack (6', 19', 21', 22'), Spiral Crack(8', 21'), Circ. Crack(28'), Survey abandoned(50')-Gas Line, Reverse-Long. Cracks T/O, Broken(22'), Survey abandoned(50')-Gas Line	Send to Consumers for repair FCIPP	7.5	100			\$ 6,000.00										\$ -		\$ -		\$ -		\$ -	\$ 6,000.00
SW6575	Catch Basin	NS59-9-1-6AN	70.0	12.0	VCP	Mult Crack(8'-22', 39'-56', 63'), Long. Crack(26', 33', 38', 49', 59', 60')	None	4.4				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6577	NS59-7SE	Blind Tap	6.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6578	NS59-8-0-3	NS59-8-0-3S	24.0	8.0	PVC	No defects observed	None	2				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6580	NS59-9-0-3	NS59-9-0-3N	48.0	12.0	VCP	Med OS joint(9', 38'), Spiral Fracture(41'), Size reduces to 4" and backflow preventer(45')	None	3.4				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6581	NS59-9-1-2	NS59-9-1-3	138.0	12.0	VCP	Long. And Mult Cracks and Fractures T/O, Lt MD at select joints T/O	FCIPP	8	138		1	\$ 8,780.00									\$ -		\$ -		\$ -		\$ -	\$ 8,780.00	
SW6582	NN51-4	EOL Northwest	39.0	12.0	VCP	Med OS joints T/O, Mult Crack(13'), Long. Crack(24', 33'), Survey abandoned(39')-bulkhead	None	3.8				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6583	NN51-4	EOL Southwest	28.0	12.0	VCP	Long. Crack(5', 12', 15', 26'), Mult. Crack(11'), Survey abandoned(28')-Bulkhead	None	3.6				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6584	NN51-6	EOL NNW	33.0	12.0	VCP	Med OS joint(11'), Lt MD at joints T/O, Survey abandoned(33')-Bulkhead	None	2				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	
SW6585	NN51-6	EOL NW	49.0	12.0	VCP	Long. Crack(12', 18', 21', 24', 27', 43'), Mult. Crack(23', 38'), Lt MD at joints T/O, Survey abandoned(49')-Bulkhead	None	4.4				\$ -									\$ -		\$ -		\$ -		\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6586	NN51-6	EOL South	24.0	12.0	VCP	Long. Cracks T/O, Survey abandoned(24')--Bulkhead	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6587	NN54-4-5	EOL Northwest	35.0	10.0	RCP	Med OS joint(6'), Mult Crack(12', 14', 22'), Long. Crack(22', 24'), Survey abandoned(35')--Bulkhead	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6588	NN54-4	NN54-4NW	54.0	12.0	VCP	Long. Cracks(5'-12', 21'-43'), Hing Fracture(45', 46'-54'), Survey abandoned(54')--Bulkhead	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6589	NN54-6-1	EOL Southwest	13.0	12.0	VCP	Med OS joint(8'-13'), Abandoned Survey(13')--Bulkhead	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6590	NN54-6-2-1	CB - West	93.0	12.0	RCP	Lt H2S damage T/O, Long. Crack(44', 72'), Broken(57')	FCIPP	6	93			\$ 5,580.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,580.00	
SW6591	NN54-6	EOL Northeast	24.0	12.0	VCP	Long. Crack(5'-18'), Mult Crack(10')		4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6593	NS59-9A	NS59-9AN	44.0	12.0	RCP	Med OS joints T/O, Long. Cracks T/O, Mult Cracks(36'), Backflow preventer(42')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6594	NS59-16-2-1	NS59-16-2-1SE	22.0	12.0	VCP	Med OS joint(13'), Long. Crack(14', 19'), Hinge Crack(17'), Line ends in bulkhead	None	5.75				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6595	NS59-16-3-2A	NS59-16-3-2N	76.0	12.0	VCP	Med OS joint(9'-76'), Long. Crack(30', 35', 55'), Hinge Fracture(56'), Mult Crack(60')	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6596	NS59-16-3-4SSE	BLIND TAP	42.0	12.0	VCP	Long. Cracks T/O, Mult Crack(11')	None	5.25				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6597	NS59-17-1A	CB-SW	42.0	12.0	VCP	Med OS joint(6'-42'), Mult Crack(5', 17', 21', 36'), Hinge Crack(24', 34')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6598	NS61-8	EH-57E	55.0	12.0	VCP	Med OS joint(8', 31'), Mult and Long. Cracks T/O	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6599	NN66-7	Bulkhead(NE)	41.0	12.0	VCP	Long. Crack(34'), Mult Crack(37'), Line ends in Bulkhead	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6601	NS6-13-17-2AN	Cb (West)	28.0	10.0	VCP	Mult Crack(11', 19')	FCIPP	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6602	NS6-13-17-2ANE	Blind Tap	35.0	8.0	RCP	Size increase to 10"(8'), long. Crack(24'), Lt Roots at joints(16', 25')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6603	NS6-13-19-2A	NS6-13-20-1	253.0	10.0	RCP	Med OS joints(62'-253')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6604	NS6-13-26A	CB (NW)	59.0	10.0	VCP	Mult Crack(6'-59')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW6605	NS6-13-26A	Bulkhead(SW)	55.0	10.0	VCP	Mult Crack(7'-55'), Lt Roots at joints T/O, Line ends in bulkhead	None	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6606	NS59-8-2	EOL Northeast	35.0	12.0	VCP	Long. And Mult Cracks T/O, LT MD at joints T/O, Line ends in Bulkhead(35')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6607	NS59-8-2	EOL Northwest	55.0	12.0	VCP	Mult Crack(5', 24', 30'), Long. Crack(16', 32, 46'), Hinge Fracture(41', 46'-55'), Line ends in bulkhead(55')	None	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6608	NS59-8-3	EOL Northwest	66.0	12.0	VCP	Mult cracks(10', 18', 20'-66'), Long. Crack(18', 44'), Lt MD at joints(6', 10', 20'-66'), Line ends in bulkhead(66')	None	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6609	NS59-9-3	EOL Northwest	72.0	12.0	VCP	Long. And Mult cracks T/O, Lt MD at joints T/O, MH at end of line is buried	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6610	NS59-9-3	EOL West	64.0	12.0	VCP	Long. And Mult cracks T/O, Lt MD at joints T/O, Line ends in bulkhead(64')	None	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6628	NN64-0-1E	NS64-1B	39.9	12.0	RCP	LONGITUDINAL CRACKING @ 12', 14', 28'; MULTIPLE CRACKS @ 16'	NONE	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6629	NN64-0-1E	NN64-0-2	198.8	12.0	RCP	SPEARATED JOINT 8', 162'. BROKEN @ 162'; ROOTS THROUGHOUT	3' SCIPP FROM 160'-163'	6				\$ - 1									\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00		
SW6630	NN66-2A	NN66-2AN	2.0	12.0	RCP	NO CALLOUTS MADE/NO VIDEO REVIEWED	NONE	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6631	NN68-8-3	BULKHEAD NE	22.0	12.0	VCP	MULT CRACKS THROUGHOUT; TAP ROOT @ 20'; BULKHEADED AT 22'	NONE	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6638	NS61-1W	N62	39.0	12.0	RCP	MULT CRACKS @ 8', 14'; MED OFFSET JOINTS @ 11', 14'; LONG CRACK @ 30'	NONE	4.5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW6639	NS59-9-6A	BULKHEAD NW	49.0	12.0	VCP	MULT CRACKS/LONG CRACKS THROUGHOUT; HINGE FRACTURE (4) @ 37'-45'; MAT CHANGE TO RCP @ 45'; LARGE OFFSET/HOLE SOIL VISIBLE @ 47'; DEPOSITS THROUGHOUT;	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW6640	NS59-9-2	BULKHEAD WEST	18.0	12.0	VCP	MULT CRACKS @ 11'-END OF LINE; DEPOSITS THROUGHOUT	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6641	NS59-9-2	BULKHEAD NW	37.0	12.0	VCP	MULT CRACKS/LONG CRACKS THROUGHOUT; DEPOSITS THROUGHOUT; BULKHEAD @ 37'	NONE	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW6642	NS59-9-2	BULKHEAD NORTH	36.0	12.0	VCP	LARGE OFFSETS @ 10', 13'; 15'; BROKEN SOIL VISIBLE @ 15'; BULKHEAD @ 36'	DIG UP AND REMOVE LINE	10				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
SW6643	NS59-9-2-3NE	NS59-9-1-3	155.0	12.0	VCP	LONG CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6645	NS14-1	BULKHEAD-SW	24.0	12.0	VCP	JOINT OFFSET LARGE/HOLE SOIL VISIBLE @ 2'; MULT CRACKS THROUGHOUT	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW6647	NS6-13-26BNW-1	NS6-13-28	162.0	10.0	RCP	LONG FRACTURE BEGINNING OF LINE -12'; LONG CRACKS THROUGHOUT; VCP FACTORY TAP @ 32'(9); MAT CHANGE @ 46' (VCP); SAG @ 124', CAMERA UNDERWATER	15' SCIPP FROM 0'-15'	6				\$ -			1						\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	
SW6648	NS6-3-2A	SW	49.0	12.0	VCP	HINGE FRACTURING (2) @ 29'-49'; SURVEY ABANDONED @ 49' DUE TO DEBRIS IN LINE	Dig Mainline	6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	
SW6649	NS3-1	NORTHWEST	7.1	12.0	VCP	MULT CRACKS. APPEARS TO BE BULKHEADED	NONE	6.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6650	NS3-1-5A	SOUTHWEST	14.0	12.0	VCP	MULT CRACKS @ 10'-14'. LINE BLIND TIES INTO UNKNOWN LINE @ 14'. UNKNOWN LINE BULKHEADED JUST WEST OF BLIND TIE	NONE	6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6652	NS2-9-2	SSE	93.0	12.0	VCP	LONG CRACKS THROUGHOUT; 12" TAP @ 76'(9), DO NOT KNOW WHERE IT LEADS. LINE ENDS AT UNDOCUMENTED CB, WHICH APPEARS TO BE COVERED BY CONCRETE	LOCATE AND EXPOSE US CB	6.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6655	NS6-22A	NS6-22	67.0	21.0	RCP	Line in fair condition, CL (0-43)		4.8	67		1	\$ 6,865.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,865.00	
SW6657	NS59-16-3-3A	NS59-16-3-2	67.0	18.0	VCP	Line OK		2.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6658	NS59-9	NS59-8A	21.0	60.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6659	NS59-12-6	NS59-9-0-3A	126.0	12.0	VCP	Pro lats(6', 50'), Mult. Fractures w/ visible void		10				\$ -	1								\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00	
SW6660	NS59-7	NS59-7A	48.0	60.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6661	NS61-1-7	*NS61-1-6A	201.0	12.0	VCP	Small OS in lats(9', 58'). Pro lats(56', 102')		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6662	NN42-14-1	NN42-14	35.0	12.0	VCP	Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW6663	NN42-1	Blind Tap	30.0	72.0	RCP	Line Ok		3				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN39-8	Bulkhead (NW)	20.0	12.0	VCP	Spiral Crack(18')	None	7				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
	NN32-3	Bulkhead (W)	24.0	12.0	VCP	Med OS joint(13', 20'), Mult Crack(15'), Hinge Fracture(21')	Bulkhead in MH and abandon line	7.6				\$ -								\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
	E23-5SSW	NS59-6B-B	602.0	12.0	RCP		FCIPP	8	602			\$ 36,120.00									\$ -	\$ -	\$ -	\$ -	\$ 36,120.00	
	NN32-3	NN32-3NW	50.0	12.0	VCP	Long. Crack(7', 13'), Lt Roots at joints(19')	None	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NN32-5	Bulkhead (NW)	50.0	12.0	VCP	Line ends at bulkhead(2')	None	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NN38-4	NN38-4NW	30.0	12.0	VCP	Mult and Hinge cracks T/O, Lt Roots at joints T/O	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NN38-5	Bulkhead (NW)	52.0	12.0	VCP	Mult Crack(5'-37'), Long. Crack(18'), line ends in bulkhead(52')	None	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NS18-3ES	NS18-3	150.0	12.0	VCP	Med OS joint(8', 24'), Lt Roots at joints(21', 25')	None	8	150			\$ 9,000.00									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 17,500.00
	NS20-2	CB (North)	90.0	12.0	VCP	Line ends in bulkhead(2')	None	8	90			\$ 5,400.00									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 13,900.00
	NS37-5	Bulkhead(W)	44.0	12.0	VCP	Mult Crack(18'-54'), Hinge Crack(42'-54'), Line ends in Bulkhead(54')	Dig Mainline	8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NS59-6-3A	NS59-6-3NW	50.0	12.0	VCP	Mult Crack(12'-50'), Hinge Crack(28'-43'), Lt MD at joints T/O, Size reduces to 4"(49")	Dig Mainline	6.4				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NN29-9-2-1	EOL (Southwest)	6.0	12.0	VCP	Mult Crack(6', 10', 12'-50'), Hinge Crack(41')	Dig Mainline	10				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NN38-6	NN38-6W	26.0	12.0	VCP	Mult Crack(6'-24'), Lt Roots at jointsT/O	Dig Mainline	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NN39-6	NN39-6W	54.0	12.0	VCP	No defects observed	None	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NS76-5NNW	BLIND TAP	27.0	12.0	VCP		Dig Mainline	6.6				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	NS20-3	Bulkhead (NW)	54.0	12.0	VCP	Line ends in bulkhead(2')	None	6.8				\$ -									\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ 8,500.00
	B5-6-9A	B5-6-9						1.5				\$ -								\$ -	\$ -		\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
	NN75-1	Blind Tap	21.0	21.0				1.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS59-16A	*NS59-9-1E	167.0	42.0	RCP	Lt MD at select joints T/O, Hard material/debris in line and jetter unable to remove		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS59-3	NS61-1-5	103.0	72.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN1-7-21A	NN1-7-21B	37.0	18.0	VCP	Line in fair condition, Lt MD in lat(25')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS59-5A	NS61-1-8	685.0	72.0	BRICK	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-9	Bulkhead(East)	38.0	12.0	VCP	Mult Crack T/O, Long. Crack(9', 13', 27'), Lt MD at select joints T/O, Bulkhead(38')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-14-4	EOL (Northeast)	2.0	10.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O, US structure is buried	None	2				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ -	\$ 6,000.00	
	NN66-14-4	EOL (Northwest)	2.0	10.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O, Line ends at bulkhead(50')	None	2				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ -	\$ 6,000.00	
	CB (East)	CB (North)	28.0	12.0	VCP	Med OS joint(13'), Gravel Deposits(18'), Line ends in bulkhead(18')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN29-9-2-4	EOL (North)	15.0	12.0	VCP	Long. Crack(7'), Mult Crack(13'-28'), Med OS joint(24'), Roots at joints(10', 16', 20'), Size reduces to 10"(22")	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN32-4	Bulkhead (S)	7.0	12.0	VCP	Pipe ends at bulkhead(1')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN47-2	EOL (Northeast)	15.0	12.0	VCP	Mult Crack(6', 27'), Long. Crack(13', 28'), Lt MD at joints T/O, Survey abanodned(51')-pipe size increases to 24"	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN49-3	EOL (Northwest)	18.0	12.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-10-1-5	Northeast	2.0	12.0	VCP	Mult Cracks T/O, Lt MD at joints T/O	Dig Mainline	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-10-1-5	East	70.0	12.0	RCP	Mult Cracks T/O, Long. Crack(12', 20'), Hinge Crack(22'), Lt MD at joints T/O, Line ends at bulkhead(30')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-10-1-6	Northwest	2.0	10.0	VCP	Mult Crack T/O, Hinge Crack(12', 18'), Lt MD at joints T/O, Line ends in bulkhead(20')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
	NN66-10-2-1	Northeast	2.0	12.0	VCP	Settled deposits(5'), Line ends in bulkhead(5')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-12-1	EOL (East)	1.0	10.0	VCP	Line ends in bulkhead(2')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-12-5	EOL (East)	2.0	10.0	VCP	Hinge Fracture(21'), Long. Crack(29'), Sag(31'), Line ends in bulkhead(48')	Bulkhead MH and abandon line	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-12-6	EOL (East)	2.0	10.0	VCP	Line ends in bulkhead(2')	Bulkhead MH and abandon line	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-14-1	EOL (East)	2.0	10.0	VCP	Line ends at bulkhead(7')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-14-2	EOL (North)	2.0	10.0	VCP	Mult Crack(5'-50'), Hinge Crack(8'-50'), Lt MD at joints T/O	Dig Mainline	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-14-5	EOL (East)	2.0	10.0	VCP	Lt Roots at joint(7')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-14-6	EOL (West)	2.0	10.0	VCP	Mult and Hinge Cracks T/O, Med Roots at joints(6'), Lt MD at joints(11'-30'), CB is buried	Dig Mainline	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-14-6	EOL (East)	2.0	10.0	VCP	Hinge and Mult Cracks T/O, Deformed(26')	Dig Mainline	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-15-1	EOL (East)	2.0	10.0	VCP	Spiral Crack(20'), Long. Crack(23'), Lt MD at joint(16')	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-15-3	EOL (East)	2.0	10.0	VCP	Long. Crack(16', 33'), Spiral Crack(89'), Lt MD at joints T/O	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-15-4	EOL (Northwest)	2.0	10.0	VCP	No defects observed	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN66-15-5	EOL (East)	2.0	10.0	VCP	Spiral Crack(6'), Intruding sealing ring at joints T/O, Circ. Crack(22'), Settled deposits(37', 79')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NS15-6	NS15-6N	48.0	12.0	RCP	Mult Crack(8'), Med OS joint(50'), Broken(156')	None	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NS67-12W	NS67-12NW	26.0	12.0	VCP	Mult cracks T/O, Lt Roots at select joints T/O, Size reduces to 10"(61')	Dig Mainline (61'-76') FCIPP	2				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NS67-13	Bulkhead (NW)	20.0	12.0	VCP	Mult Cracks T/O, Med Roots at joints T/O,	Dig Mainline	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
	NN66-11-1	EOL(East)	2.0	10.0	VCP	Survey abandoned(2')--Bulkhead	None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	B5-1-6	B5-1-5	298.0	10.0	VCP	Line in fair condition, Lt MD at select joints T/O		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN29-9-0-4	EOL Northwest	32.0	12.0	VCP	Mult Crack(7'-14', 18'), Lt MD at joints T/O	Dig Mainline	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN38-4	Bulkhead (NE)	9.0	12.0	VCP	Mult and Long. Cracks T/O, Mult Fracture(87'), Utility thru sewer(87')(gas or water?)	Dig Mainline (84'-90') FCIPP	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN39-2N	NN39-2	6.0	12.0	VCP		None	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN42-13-5	NN42-13-4NW	41.0	12.0	VCP	Line ends in bulkhead(2')	Bulkhead MH and abandon line	2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS59-8	NS59-7	810.0	60.0	RCP	Med MD in lats(202', 321', 358', 362', 401')		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	B5-3A	B5-3	82.0	15.0	VCP	Line in fair condition, Lt MD in lat(34')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS2-5-1	NS2-5-1A	8.0	15.0	VCP	Line in good condition, No defects observed		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS61-1-1	Blind Tap	50.0	72.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS61-1-4	NS61-1-1	645.0	72.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS61-1-5	NS61-1-4	225.0	72.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS61-1-8	NS59-3	866.0	72.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN42-13-5	NN42-13-4	135.0	18.0	VCP	Small OS in lats(56', 84', 86'), Long. Crack(115')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS28-6	NS28-5	117.0	21.0	VCP	Small OS in lats(375', 377', 415', 417'), Pro lats(451', 453')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN1-7-21B	NN1-7-20	52.0	18.0	VCP	Line in fair condition, Lt Roots in lat(25')		2.1				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
	NN1-7-21	NN1-7-21A	245.0	18.0	VCP	Line ion fair condition, Lt Roots in lat(46'), Lt roots at joints T/O, Survey Abandoned(48')--Roots and Debris, Line in fair condition, Roots T/O, Survey abandoned(197')--Debris		2.1				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
	NS28-7A	NS28-6	225.0	15.0	PVC	Line in good condition, No defects observed		2.1				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NN29-4-4A	NN29-4-3	319.0	27.0	RCP	Pro lat(141'), Inf. @ joint(283')		2.3				\$ - 1									\$ 5,500.00		\$ -	\$ -	\$ -	\$ -	\$ 5,500.00
	NN16-10-16	NN16-10-15	62.0	27.0	RCP	Lt MD in lat(14'), Video never makes it to downstream MH b/c of debris in line that camera couldn't get past		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NN42-6-1	*NN42-6	355.0	24.0	VCP	Pro lat(170'), Lt Roots in lat(306'), Mult. Crack(133', 238'), Weir wall(350')		2.3				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
	NN42-6-2	NN42-6-1	309.0	24.0	VCP	Pro lats(137', 171', 199', 211'), Lt Roots at joints(30' to 64'), Circ. Crack(114'), MH NN42-6-1A does not exist		2.3				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
	NN42-6-3	NN42-6-2	308.0	24.0	VCP	Pro lat(8'), Line OK		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NS53-4	NS53-3	168.0	24.0	RCP	Line OK		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NS59-12-1	NS59-9-1C	286.0	30.0	RCP	Line OK		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NN1-8	NN1-8A	144.0	36.0	RCP	Line in fair condition, Lt H2S damage T/O, Lt MD at joints(18', 22', 78', 90'-144')		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NN1-8A	NN1-7	143.0	36.0	RCP	Line in fair condition, Lt H2S damage T/O, Lt MD at joints(25', 53', 97', 105', 109', 113'), Long. Fracture(68')		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NN1-9	NN1-9A	145.0	36.0	RCP	Line in fair condition, Lt MD in lat(130'), Lt H2S damage T/O, Lt MD at select joints T/O, Lt Infiltration at joints(93', 101')		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NN1-9A	NN1-8	142.0	36.0	RCP	Line in fair condition, Lt MD in lats(60', 136'), Lt H2S damage T/O, Lt MD at joints T/O		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NN1-10A	NN1-9	127.0	27.0	RCP	Line in fair condition, Med MD in lat(40'), Lt H2S damage T/O, Lt MD at joints(58'-101'), Lt Infiltration at joint(58')		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NS14-2A	NS14-1	172.0	27.0	RCP	Line in good condition, No defects observed		2.3				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
	NS3-0	NS3	70.0	48.0	RCP	Line in good condition, No defects observed		2.5				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
	NS3-4	E5	22.0	42.0	RCP	Line in fair condition, Lt MD at joints		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Chamber (NS59-16)	NS59-16A	201.0	42.0	RCP	Line OK		2.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN1-2	Blind Tap	160.0	54.0	RCP	Line in fair condition, Lt MD at joints(14', 30', 78', 134', 158'), Alignment left(144'), MH N1-1 and MH n1 do not exist		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN1-7	NN1-7A	149.0	42.0	RCP	Line in fair condition, Lt H2S damage T/O, Lt MD at joints(30', 118')		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN1-7A	NN1-6	146.0	42.0	RCP	Line in fair condition, Lt H2S damage T/O, Lt MD at joints(13'-146')		2.5			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NS15-3	NS15-3SSW	136.0	12.0	VCP	Lt MD at joints(19', 26')	None	3			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	EH-32-14	CB	169.0	42.0	RCP	Mult Cracks T/O, Hinge Crack (14'), Large OS joint(16')	Dig Mainline	3.75			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN16-10-17	NN16-10-16	82.0	27.0	RCP	Lt MD in lats(36', 57', 77')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN4-3	NN4-3A	83.0	36.0	RCP	Line in fair condition, Lt MD at joints(10', 62', 74', 78')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN4-3A	NN4-2	273.0	36.0	RCP	Line in fair condition, Lt MD at select joints T/O		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN4-4A	NN4-4B	232.0	36.0	RCP	Line in fair condition, Lt MD at joints(48', 128', 180', 187')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN4-4B	NN4-3	43.0	36.0	RCP	Line in fair condition, Lt MD at joints(9', 13')		1.8			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	BLIND TAP	NS59-17-2AN	32.0	12.0	VCP	Hinge Crack(6', 18'), Mult Crack(10'-24'), Lt MD at joints(6', 10'-24')	Dig Mainline	4			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
	NN29-9-3-4	EOL (North)	7.0	12.0	VCP	Line ends in bulkhead(2')	None	4			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN49-6	EOL (Northeast)	9.0	12.0	VCP	Long. And Mult Cracks T/O	None	4			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NS23-5W	NS23-5NW	27.0	12.0	VCP	Mult Cracks(7'-54'), Long. Crack(10'), Hinge Crack(51'), Lt MD at joints T/O	Dig Mainline	4			\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
	NN1-6-4A	NN1-6-3	40,228	12.0	CIPP	Line in fair condition, Pro lat(228')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN9-1-7B	NN9-8	157.0	12.0	VCP	Line in fair/poor condition, Small OS in lat(78'), Broken pipe in lat(98'), Mult. Fracture(12'-30', 39'-117', 126'-157'), Deformed(41'-117').		1.5	157		3	\$ 10,920.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,920.00		
	NS59-12-6	NS59-9-0-2B	390.0	12.0	VCP	Ciorc. Crack(119')		2				\$ -	1								\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	
	NN66-11-5	EOL (West)	22.0	10.0	VCP	Long and Mult Cracks T/O, Lt MD at joints T/O, Line ends at bulkhead(50')	None	4.2				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ -	\$ -	\$ 6,000.00
	ACB-1	B7-11	30.0	15.0	RCP	Mult Crack(16'-25'), Wall missing(5'), Survey abandoned(25')-Offset, Reverse-Mult Crack(8'), Long. Crack(9'), Survey abandoned(125')-Offset joint	Dig Mainline (122'-128') FCIPP	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	ACB-1	B5-11	100.0	15.0	RCP	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	4.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN4-2-1	NN4-2-1A	154.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN4-2-1A	NN1-2-1	170.0	12.0	CIPP	Line in good condition, No defects observed		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS6-13-21-2A	NS6-13-21-2	147.0	12.0	VCP	Line in poor condition, B (24), SZ-C (0-40)		1.5	150			\$ 9,000.00									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 17,500.00	
	BULHEAD TO SOUTH	NN1-7-17-10	20.0	10.0	RCP	Line in good condition		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS6-13-11-2A	NS6-13-11-2	156.0	12.0	VCP	Line in fair condition, CL (8-41, 55-76), SSS (54-76, 103)		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS6-13-9-2A	NS6-13-9-2	120.0	12.0	VCP	Line in fair condition, SSS (throughout)		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS6-18-2C	NS6-18-2B	10.0	12.0	RCP	Line in good condition		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS15-1A	NS14-1	103.0	12.0	VCP	Line in fair condition, Cracked pipe in lat(12'), Collapsed pipe in lat(39')		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN12-1-7	NN12-1-7A	145.0	18.0	VCP	Line in fair/poor condition, Broken pipe in lat(5'), Mult. Fracture(4'-76', 84'-111', 121'-145'), Broken pipe in mainline(143')		1.6	145		3	\$ 12,375.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,375.00	
	NN12-5-3-2	NN12-5-3-2A	132.0	15.0	VCP	Line in fair/poor condition, Broken pipe in lat(64'), Med OS in lats(104', 107'), Mult. Fracture(19'-132'), Lt Roots at joints T/O		1.6	132		6	\$ 11,580.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,580.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE						
	NN12-5-3-2A	NN12-5-3-1	242.0	15.0	VCP	Line in fair/poor condition, Med OS in lats(94', 266', 312'), Long. Fracture(8'), Mult. Fracture(34'-79', 120'-229')		1.6	242		8	\$ 19,730.00								\$ -		\$ -	\$ -	\$ -	\$ 19,730.00	
	NN12-1-7B	NN12-8	146.0	18.0	VCP	Line in fair condition, Lt Roots at joints T/O, Long. Fracture(57', 61'), Mult Fracture(63'-119'), Survey Abandoned(119')-Hvy Roots		1.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	
	NN1-2-1	NN1-2-1A	43.0	18.0	CIPP	Line in fair condition, Hvy MD in lat(19')		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -
	NN12-1-7A	NN12-1-7B	23.0	18.0	VCP	Line in good condition, No defects observed		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -
	NN1-2-1A	NN1-2-1B	69.0	18.0	CIPP	Line in good condition, No defects observed		1.6				\$ -									\$ -		\$ -	\$ -	\$ -	\$ -
	NN1-2-1B	NN1-2	198.0	18.0	CIPP	Line in fair condition, Med MD in lats(26', 47'), Med Infiltration at lat(108')		1.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	
	NN12-5-3-3	NN12-5-9	147.0	18.0	VCP	Line in fair condition, Lt Roots in lat(66'), Long. Fracture(108'), New MH found(147')-NN12-5-9		1.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	
	NN12-5-9	NN12-5-8	167.0	18.0	VCP	Line in fair condition, Settled deposits(34')		1.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	
	NN4-9A	NN4-9	76.0	21.0	CIPP	Line in good condition, No defects observed		1.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	
	NN29-9-2-4	EOL (South)	41.0	12.0	VCP	Long. Crack(5'), Hinge Crack(5'),line ends at bulkhead(15')	None	4.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	
	NN49-4	EOL(Nortwest)	44.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O	None	4.6				\$ -								\$ -		\$ -	\$ -	\$ -	\$ -	
	NN66-11-4SW	NN66-11-4W	25.0	10.0	VCP	Mult Cracks T/O, Long. Crack(41', 43'), Hinge Crack(55'), Line ends in Bulkhead(56')	None	4.6				\$ -							\$ -		\$ -	\$ -	\$ -	\$ -		
	NN9-7A	NN9-6	341.0	24.0	VCP	Line in fair condition, Long. Fracture(7'), Mult. Fracture(13'-27', 45'-321'), Deformed(203', 341'), Broken Pipe(314')		1.8	341		10	\$ 5,000.00							\$ -		\$ -	\$ -	\$ -	\$ -	\$ 5,000.00	
	NN1-11A	NN1-11	16.0	24.0	RCP	Line in fair condition, Lt H2S damage T/O		1.8				\$ -							\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
	NN1-4-1A	NN1-4-1	25.0	30.0	RCP	Line in fair condition, New MH found		1.8				\$ -							\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
	NN4-7A	NN4-6	51.0	30.0	RCP	Line in good condition, No defects observed		1.8				\$ -							\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
	NN9-7	NN9-7A	27.0	24.0	VCP	Line in fair condition, Long. Crack(25')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS6-13-22	NS6-13-21	14.0	30.0	RCP	Line in good condition		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS2-7A	NS2-7	155.0	30.0	CP	Line in good condition, No defects observed		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS2-8-0	NS2-8	152.0	30.0	CP	Called out capped connection as not capped		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS6-11-2	NS6-11-1	275.0	24.0	VCP	Line in fair condition, Long. Crack(138')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS59-9-2-6AN	NS59-9-2-6ANE	28.0	12.0	VCP	No defects observed	None	4.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS2-1-7A	NS2-1-7	159.0	12.0	VCP	Long and Mult cracks T/O, Lt MD at joints T/O	None	4.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN32-5	NN32-5W	47.0	12.0	VCP	Line ends in bulkhead(2')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NN38-3	Bulkhead (WNW)	50.0	12.0	VCP	Mult Crack(8', 9'-55'), Long. Crack(34', 37')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN39-4	Bulkhead (NNW)	38.0	12.0	VCP	Line ends in bulkhead(6'), TV operator calls out collapse	Dig Mainline	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NN39-6	Bulkhead (NW)	50.0	12.0	VCP	Mult cracks T/O, CB upstream is buried	Dig Mainline	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NS18-5W	NS18-5NW	26.0	12.0	VCP	Mult Crack T/O, Lt MD at joints T/O	Dig Mainline	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NS20-5	NS20-5NW	57.0	12.0	VCP	Line ends in bulkhead(2')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NS20-5E	CB (NE)	51.0	12.0	VCP	Line ends in bulkhead(2')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	NS31-4	Bulkhead (NW)	55.0	12.0	VCP	Long. And Mult cracks T/O, Hinge Crack(7', 24'), Line ends in bulkhead	None	5				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
	NS40-3	Bulkhead(W)	51.0	12.0	VCP	Mult and Long. Cracks T/O, Line ends in bulkhead(44')	Bulkhead and abandon line	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH		DIG-UPS				TOTAL COST			
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE							
	NS40-5	NS40-5NW	58.0	12.0	VCP	Mult Crack(5'), Long. Crack(9', 43'), Lt MD at select joints T/O, Line ends in bulkhead(44')	None	5				\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	NS40-5	CB (east)	78.0	12.0	VCP	Large OS joint(2'), Line ends in bulkhead(9')	None	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NS59-9-0-3	Blind Tap	52.0	12.0	VCP	Mult Cracks T/O, Spiral Crack(8'), Long. Crack(19'), Lt MD at select joints T/O	Dig Mainline	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NS67-6	Bulkhead (S)	21.0	12.0	VCP	Mult Crack(14'-25'), Lt Roots at joints T/O	Dig Mainline	5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NN39-3	Bulkhead (NW)	28.0	12.0	VCP	Mult. Crack(5'), Material change to PVC(9')	Dig Mainline	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NS67-3	NS67-3SE	40.0	12.0	VCP	Mult Crack(8'-16'), Lt Roots at joints(8', 16', 24')	Dig Mainline	5.2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NS37-3	Bukhead (NW)	52.0	12.0	VCP	Long. Cracks T/O, Mult Crack(32'-90'), Hinge Crack(34', 36', 39'), Gas line thru sewer with Hole(83')	Dig Mainline (80'-86')-To Consumers FCIPP	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NS69-6	NS69-6SE	113.0	12.0	VCP	Spiral, Mult and Long. Cracks T/O, Line ends in Bulkhead(28')	None	5.4				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NS15-4	Bulkhead (W)	30.0	12.0	VCP	Mult Crack(8', 13')	Dig Mainline	5.6				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NN42-6-1A	NN42-6-1	397.0	12.0	VCP	Pro lats(91', 167', 272'), Lt Roots in lat(176'), Hole in pipe(38', 39', 40'), Lt Roots @ joints(60' to 90', 160' to 190')		6				\$ -	1							\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,100.00	
	NN29-9-2-4	EOL (Northwest)	25.0	12.0	VCP	Long. And Mult cracks T/O	None	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
	NN66-14-4	EOL (Southwest)	48.0	10.0	VCP	Long., Mult and Hinge Cracks T/O, US structure is buried	Dig Mainline	6				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ -	\$ 6,000.00
	NN66-16A	NN66-16SW	10.0	8.0	RCP	Spiral Crack(5'), Mult Crack(6', 12', 19'), Long. Crack(15', 20', 21'), Med OS joint(8', 24'), Lt Roots at joints(28', 30')	None	6				\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
	NN29-2-1SE	NN29-2-1NE	25.0	12.0	VCP	Long. Cracks and Med OS joints T/O	None	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
	NN32-3	NN32-3NNW	28.0	12.0	VCP	Line ends in bulkhead(2')	None	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00
	NN32-5	NN32-5NNW	54.0	12.0	VCP	Line ends in bulkhead(2')	None	6				\$ -									\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
	NN39-2SE	NN39-2NW	28.0	12.0	VCP	Lt Roots at joints(18'), Line ends in bulkhead	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NN39-6N	NN39-6NW	28.0	12.0	VCP	Med OS joints(13', 16'), Heavy Roots at joint(29'), Lt and Med Roots at joints(25', 32', 35', 37', 39')	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NN39-8N	NN39-8NW	28.0	12.0	VCP	Line ends in bulkhead(2')	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NN49-6	EOL (North)	44.0	12.0	VCP	Long. Crack(8', 9', 13', 49'), Mult Crack(20', 29'), line ends at bulkhead(51')	None	6				\$ -									\$ -	1	\$ 6,000.00		\$ -	\$ 6,000.00		
	NS18-3W	NS18-3NW	28.0	12.0	VCP	Line ends at bulkhead(20')	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NS3-1-7SE	NS3-1-7NE	27.0	12.0	VCP	Mult Crack(12'-28'), Lt MD at joints(12'-28')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NS33-3	NS33-3SSW	110.0	12.0	VCP	Line ends at bulkhead(2')	None	6	110		1	\$ 7,100.00									\$ -	1	\$ 8,500.00		\$ -	\$ 15,600.00		
	NS37-3	Bukhead (NE)	24.0	12.0	VCP	Long. Crack(12', 16', 22')	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NS67-11SW	NS67-11NW	25.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NS67-12	Bulkhead (NW)	27.0	12.0	VCP	Mult Cracks(5', 7', 13', 29'), Broken(28')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NS67-13NE	NS67-13NW	24.0	12.0	VCP	Mult Cracks T/O, Lt MD at joints(16'-27')	Dig Mainline	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NS67-7	NS67-7SW	55.0	12.0	VCP	Mult Cracks T/O, Long. Crack(37', 59'), Lt MD at joints T/O, backflow preventer(113')	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
	NS67-9	NS67-10NW	76.0	12.0	VCP	Mult Crack T/O, Long. Crack(7', 11', 13', 24'), Lt MD at joints T/O	None	6	76			\$ 4,560.00									\$ -	1	\$ 8,500.00		\$ -	\$ 13,060.00		
	NN39-3	Bulkhead(N)	15.0	12.0	VCP	Spiral Crack(5'), Line ends at bulkhead(7')	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ -		
	NN39-4	Bulkhead (NW)	56.0	12.0	VCP	Long. And Mult Cracks T/O, Line ends in bulkhead(41')	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ -		
	NN39-7	Bulkhead(NW)	30.0	12.0	VCP	Lt MD at joints(12', 17'), Line ends in bulkhead	None	6				\$ -									\$ -	1	\$ 8,500.00		\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING								BUILD MH		DIG-UPS				TOTAL COST		
									LENGTH (FT)	LATERTALS		SUBTOTAL	LENGTH (FT)				LATERTALS				SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
										CUT PRO	RE		3	6	10	15	20	25	CUT PRO	RE								
	NS6-1-2A	NS6-1-1	54.0	27.0	VCP	Line in fair condition, Lt MD in lat(351')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NS6-1-3A	ns6-1-2	75.0	24.0	VCP	Line in fair condition, Long. Crack(21')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NS6-1-1A	NS6-1	88.0	27.0	RCP	MH's and reports don't make sense, which line connects to NS6-1-1		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NS6-1-1A	NS6-1-1B	68.0	27.0	RCP	MH's and reports don't make sense, which line connects to NS6-1-1		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NN1-6-2	NN1-6-2A	124.0	12.0	VCP	Line in fair condition, Long. Fracture(27'), Mult. Crack(39'-46')		4.5				\$ -	1	1							1	\$ 6,700.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,700.00
	NN9-1-7	NN9-1-7B	163.0	12.0	VCP	Line in fair condition, Lt Roots in lat(20'), Lt MD at joints(2', 53'), Med OS joint(144'), Long. Crack(144'), Long. Fracture(160')		4.5				\$ -	1								\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00	
	NN9-1-7A	NN9-1-7	166.0	12.0	VCP	Line in fair condition, Small OS in lat(81'), Lt MD at joint(12'), Long. Fracture(15', 18', 20', 23', 29'), Circ. Fracture(161')		4.5				\$ -	1		1						\$ 6,300.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,300.00	
	NS6-13-17-2A	NS6-13-17-2	162.0	12.0	VCP	Line in fair condition, SSS( throughout), CM (19, 48, 59)		4.5	162			\$ 9,720.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,720.00
	CB13-15A	NS6-13-6-3	168.0	12.0	VCP	Line in fair condition, CL (131-166)		4.5				\$ -									\$ 6,800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,800.00
	NN4-10	NN4-9A	103.0	21.0	RCP	Line in fair condition, Lt Roots in lats(62', 62'), Mult. Fracture(0'-42', 84'-103'), Deformed(94'-103'), Did not pan lateral at 62' at 10 o'clock-video fixed		4.8	103		3	\$ 11,285.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,285.00
	NN16-10-2-16	*NN16-10-2-15A	92.0	12.0	VCP	Lt Roots in lat(12'), Long. Cracks T/O		1.5				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NN42-6-2A	NN42-6-2	418.0	12.0	VCP	Pro lats(9', 17', 25', 114', 230', 231'), Line OK		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	NN1-18A	NN1-18	180.0	8.0	CIPP	Line in fair condition, Size change from 8" to 10"(10'), Drop connection not reinstated		2				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	B16	B5-13	296.0	12.0	VCP	Line in poor condition, Hinge Fractures(88', 94', 112'-116', 203, 224'-236'), Broken(169'-179', 200'-209')		7.5	296		1	\$ 18,260.00									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,260.00
	NN1-10	NN1-10A	175.0	27.0	RCP	Line in fair condition, Pro lat(100'), Lt Roots in lat(144'), Lt H2S damage T/O, Lt Roots at joints(13', 57', 62', 65', 70', 74', 78')		1.8				\$ -									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

## Appendix G – Capital Improvements Sewers

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS											
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
									3	6	10	15	20	25	CUT PRO	RE														
SW0017	NS59-21	NS59-21W	10.0	12.0	VCP	Mult Crack(6')	Dig Mainline	6			\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00					
SW0028	NS59-21-2	NS59-21-2W	11.0	12.0	VCP	Hole with soil visible(9')	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW0072	NS59-9-3-6A	NS59-9-3-6	177.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
SW0097	NS59-14-7	NS59-14-6	331.0	15.0	RCP	Pro lat(53', 78', 161', 229', 283'), Mult. Cracks(88' to 133'), Mult. Fractures(133' to 143')		6.4			\$	-		1				\$ 3,800.00		\$	-	\$	-	\$	-	\$	-	\$ 3,800.00		
SW0102	NS59-16-3	NS59-16-4S	25.0	12.0	VCP	Long. Cracks T/O, Mult Crack(18')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
SW0121	NS59-9-9A	NS59-9-9	165.0	12.0	RCP	Long. Crack(6'), Lt MD at joints(12', 28')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
SW0134	NS59-8-0-6	NS59-8-0-5	241.0	12.0	VCP	Line in fair condition, CM (6, 175, 222)		6			\$	-	2					1 \$ 6,700.00		\$	-	\$	-	\$	-	\$	-	\$ 6,700.00		
SW0137	NS6-13-25	NS6-13-26	366.0	24.0	VCP	Line in fair condition, CL (87-145)		5.4			\$	-		3				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
SW0151	NS6-13-21-4	NS59-6-14	358.0	12.0	VCP	Line in fair condition, B (0-19, 225), CM (29-46, 320), CL (271)		7.5			\$	-	2					\$ 6,400.00		\$	-	2	\$ 17,000.00		\$	-	\$ 23,400.00			
SW0167	NS59-6-11-1	NS59-6-11	355.0	15.0	VCP	Line in fair condition, CH4 (74-83), CL (125)		8			\$	-	1					\$ 3,700.00		\$	-	\$	-	\$	-	\$	-	\$ 3,700.00		
SW0223	NS59-7-1	NS59-7	309.0	24.0	VCP	Small OS in lat(23'), Lt Roots in lats(101', 259'), Large OS in lats(141', 220'), Long. Crack(7'), Mult. Crack(295')		5.75			\$	-						\$	-	\$	-	\$	-	2	\$ 12,000.00	\$	-			
SW0247	NS63-6-2	NS63-6-1	508.0	18.0	VCP	Pro lat(58'), Hwy Roots in lats(101', 139'), Med Roots in lats(225', 475'), Mult. Cracks(396', 498')		6.3			\$	-						\$	-	\$	-	\$	-	2	\$ 12,000.00	\$	-			
SW0301	NS59-6B-B	NS59-6A	602.0	12.0	RCP	Lt H2S damage T/O, Lt MD at joints T/O	FCIPP	6	602	1	\$ 36,620.00								\$	-	\$	-	\$	-	\$	-	\$	-	\$ 36,620.00	
SW0303	E23-4	E23-3	408.0	18.0	VCP	Lt Roots in lat(76'), Large OS in lat(111'), Pro lats(119', 156', 274'), Mult. Cracks(128', 322')		6.3			\$	-						\$	-	\$	-	\$	-	1	\$ 6,000.00	\$	-			
SW0318	E23-5SSW	E23-5	72.0	12.0	VCP	Long. Crack(9', 19', 24', 28', 36', 63', 66'), Hinge Fracture(11'), Mult. Crack(21', 30', 38'-72'), Gas line thru sewer(60')	FCIPP	7.5	72		\$ 4,320.00								\$	-	\$	-	\$	-	\$	-	\$	-	\$ 4,320.00	
SW0333	NS53-7	NS53-6	222.0	18.0	VCP	Pro lat(11', 112'), Lt Roots in lat(173'), Small OS in lat(175'), Pipe cracked, deformed, and fractured(103' to 115')		8.4			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW0337	NS6-13-13-4	NS6-13-13-3	376.0	12.0	VCP	Line in fair condition, B (19'), CL (19-31, 274-290)		7.5			\$	-		1				\$ 3,400.00		\$	-	1	\$ 8,500.00		\$	-	\$ 11,900.00			
SW0340	NS6-13-11-5	NS6-13-11-4	261.0	12.0	VCP	Line in fair condition, CH4 (5-31), D (2,19)		7.5			\$	-		2				\$ 6,800.00		\$	-	\$	-	\$	-	\$	-	\$ 6,800.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS										
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
									3	6	10	15	20	25	CUT PRO	RE													
SW0356	NS6-13-15-4	NS6-13-15-3	378.0	12.0	VCP	Line in fair condition, CM (217-242, 273-312, 326-359), B (231, 276)		7.5			\$ -							\$ -	\$ -	3	\$ 25,500.00		\$ -	\$ 25,500.00					
SW0382	NS48-6	NS48-5	232.0	18.0	VCP	Small OS in lats(117', 119'), pro lat(194'), Large OS in lat(197'), Mult. Cracks(21')		6.3			\$ -							\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -	\$ -				
SW0388	NS46-5	NS46-4	467.0	21.0	VCP	Pro lats(114', 156', 218'), Small OS in lats(186', 232', 408'), Lt Roots in lats(236', 397'), Mult. Fractures(265' to 288')		8.4			\$ -					1	2	\$ 6,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000.00			
SW0419	NS6-23	NS6-22A	306.0	21.0	RCP	Line in fair condition, CH4 (271-305)		8			\$ -					2			\$ 9,800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,800.00		
SW0445	NS43-5	NS43-4	468.0	21.0	VCP	Pro lats(142', 177', 459'), Large OS in lats(220', 222', 457'), Small OS in lats(257', 260', 300', 338', 417'), Mult. Crack(43'), Long. Crack(168')		5.25			\$ -								\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -	\$ -			
SW0454	NS6-11-7	NS6-11-6	272.0	15.0	VCP	Line in fair condition, Hwy Roots in lat(201'), Mult. Fracture(185', 188'-208')		6.4			\$ -			1	1			1	\$ 8,100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,100.00		
SW0455	NS6-11-7	NS28-7	322.0	12.0	VCP	Line in fair condition, Lt Roots in lat(97'), Med OS in lat(175'), Long. Fracture(0'-20'), Mult. Fracture(180'-186'), No defect callouts in laterals(corrected)		6			\$ -		1	1					\$ 6,600.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,600.00		
SW0457	NS28-6	NS28-5	466.0	21.0	VCP	Line in fair condition, Large OS in lats(56', 131', 173', 254'), Broken pipe in lat(99'), Possibly defective lat that is difficult to see(218'), Mult. Fracture(341'), No defect callouts in lats and also missed several fracture and cracked areas(corrected)		8.4			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW0459	NS28-4	NS28-3	380.0	24.0	VCP	Line in fair condition, Pro lats(172', 207'), Med OS in lat(213', 257'), Collapsed/Broken lat(371'), Broken pipe(199'), Mult.Fracture(214')		9.2			\$ -		1						\$ 5,100.00	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ -	\$ -	\$ 13,600.00		
SW0465	NS25-8	NS25-7	166.0	15.0	VCP	Line in fair condition, Lt Roots in lat(57'), Pro lats(65', 97', 138'), Long. Crack(15', 17'-51'), Mult. Crack(27'), Mult. Fracture(37'-51'), Lt to Med Roots at selected joints T/O		6.3			\$ -					2		1	\$ 8,300.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,300.00		
SW0466	NS25-6	NS25-5	464.0	21.0	VCP	Line in fair condition, Large OS joint in lat(69'), Med OS in lat(94'), Pro lat(170'), Lt Roots in lat(370'), Long. Fracture(78'-271', 333'-410'), Mult. Fracture(410'-463'), Missed lat callout at 371'-corrected		8.4	463	1	21	\$ 54,985.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,985.00		
SW0470	NS25-4	NS25-3	384.0	24.0	VCP	Line in fair condition, Large separation in lat(284'), Large OS in lats(88', 124', 166'), Missed two laterals in video and report(52', 246')-corrected		11.5			\$ -								\$ -	\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ -	\$ 8,500.00		
SW0471	NS25-3	NS25-2	370.0	24.0	VCP	Line in fair condition, Large separation in lat(101'), Large OS in lats(138', 222', 224', 301'), No lateral defect callouts and lat at 139' looks defective but is hard to see-corrected		11.5			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ -	\$ 8,500.00			
SW0473	NS25-2A	NS25-2	35.0	12.0	VCP	Line in fair condition, Broken(3'), Long. Fracture(5')		7.5	35		\$ 2,100.00								\$ -	\$ -				\$ -	\$ -	\$ -	\$ 2,100.00		
SW0485	NS6-15-3	NS6-15-2	401.0	18.0	VCP	Line in poor condition, CL (79-130, 288-401), B (309, 345)		6.4	401		17	\$ 38,575.00							\$ -	\$ -				\$ -	\$ -	\$ -	\$ 38,575.00		
SW0495	B5-15-2	B5-15-1	252.0	10.0	VCP	Line in fair condition, Pro lat(17'), Mult. Fracture(5'), Long. Fracture(8'), Hole(235')		6			\$ -		1			1	1	\$ 4,000.00	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ -	\$ -	\$ 12,500.00			
SW0499	B5-11-7	B5-11-6	175.0	12.0	VCP	Line in fair condition, Lt MD at select joints T/O, Circ. Crack(63'), Mult. Crack(135')		6			\$ -		1					1	\$ 3,600.00	\$ -				\$ -	\$ -	\$ -	\$ 3,600.00		
SW0502	B5-22	B5-13-3	355.0	10.0	VCP	Line in fair condition, Pro lats(29', 118', 191', 191'), Lt Roots in lats(296', 299'), Long. Fracture(17', 35', 38', 44', 46', 50', 56', 101', 189', 192', 256', 259', 262', 269')		6	355	3	7	\$ 20,975.00								\$ -	\$ -				\$ -	\$ -	\$ -	\$ 20,975.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW0505	B5-6-9	B5-8-6	213.0	10.0	VCP	Line in fair condition, Long. Crack(62', 99', 122'), Broken(93'), Mult. Fracture(109')		8			\$ -	1	1						\$ 5,250.00	\$ -		\$ -	\$ -	\$ -	\$ 5,250.00			
SW0506	B5-6-10	B5-6-9A	242.0	10.0	VCP	Line in fair condition, Lt Roots and Lt MD at select joints T/O, Broken pipe(153')		10			\$ -	1								\$ 2,500.00	\$ -		\$ -	\$ -	\$ -	\$ 2,500.00		
SW0508	B5-20	B5-15-2	235.0	10.0	VCP	Line in fair condition, Pro lat(126'), Long. Crack(182'), Long. Fracture(222'-230'), Circ. Fracture(230')		6			\$ -			1					\$ 3,100.00	\$ -		\$ -	\$ -	\$ -	\$ 3,100.00			
SW0510	B5-20	B5-19	182.0	10.0	VCP	Line in fair condition, Pro lat(31'), Med MD in lat(64'), Hwy Roots in lat(104'; 144'), Mult. Crack(29'), Long. Fracture(33')		6			\$ -		1			1	1	\$ 4,000.00	\$ -		\$ -	\$ -	\$ -	\$ 4,000.00				
SW0516	NS6-11-5	NS23-6	335.0	18.0	VCP	Line in poor condition, Cracks and Fractures T/O		10.5	335	1	16	\$ 33,625.00								\$ -	\$ -		\$ -	\$ -	\$ -	\$ 33,625.00		
SW0517	NS23-6	NS23-5	374.0	18.0	VCP	Line in fair/poor condition, Cracks and Fractures T/O		8.4	374		17	\$ 36,550.00								\$ -	\$ -		\$ -	\$ -	\$ -	\$ 36,550.00		
SW0526	NS20-5	NS20-4	459.0	21.0	VCP	Line in fair condition, Mult. Fractures(28', 38'-68', 108'-162', 179', 282'-416')		6.3	459		28	\$ 57,605.00								\$ -	\$ -		\$ -	\$ -	\$ -	\$ 57,605.00		
SW0532	NS20-1A	NS18-1	143.0	12.0	VCP	Line in fair condition, Large OS and broken pipe(138')		6			\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW0536	B5-8-6	B5-8-5	385.0	10.0	CIPP	Line in fair condition, Liner Failure(166'-168')-Reinstated capped lats, liner looks bad in this area		8			\$ -	1							\$ 2,750.00	\$ -		\$ -	\$ -	\$ -	\$ 2,750.00			
SW0537	B5-6-8	B5-6-7	244.0	10.0	VCP	Line in fair condition, Hwy MD in lat(101'), Long. Crack(7', 10', 13', 97'), Circ. Fracture(94'), Spiral Fracture(137', 145', 158'), Long. Fracture(149'), Mult. Crack(161')		10			\$ -	1	1	1					\$ 8,850.00	\$ -		\$ -	\$ -	\$ -	\$ 8,850.00			
SW0538	B5-6-9	B5-6-8	352.0	10.0	VCP	Line in fair condition, Mult Fracture(22'), Circ. Fracture(89'), Long. Fracture(164'), Lt Roots and Lt MD at joints T/O		7.5			\$ -	2	1					\$ 7,750.00	\$ -		\$ -	\$ -	\$ -	\$ 7,750.00				
SW0540	B5-11-2	B5-11-1	402.0	10.0	CIPP	Line in fair condition, Hole in liner(8')		7.5			\$ -	1							\$ 2,750.00	\$ -		\$ -	\$ -	\$ -	\$ 2,750.00			
SW0541	B5-11-1	B5-11	458.0	10.0	VCP	Line in fair condition, Long. CF fractures(289'-458'), Broken(318', 437', 441')		7.5	458	3	6	\$ 25,110.00							\$ -	\$ -		\$ -	\$ -	\$ -	\$ 25,110.00			
SW0543	B5-8-5	B5-8-4	392.0	10.0	VCP	Line in fair condition, Lt Roots in lat(237'), Hwy Roots in lat(328', 355'), Long Crack(7'), Long. Fracture(62'), Rootballs at joints(292'-344'), Mult. Fractures(367')		8			\$ -	2							\$ 5,500.00	\$ -		\$ -	\$ -	\$ -	\$ 5,500.00			
SW0544	B5-6-7	B5-6-6	372.0	10.0	VCP	Line in fair condition, Pro lat(254'), Mult. Fracture(52', 80', 125'), Mult Crack(95', 117'), Lt MD at joints T/O		8			\$ -	4						\$ 11,000.00	\$ -		\$ -	\$ -	\$ -	\$ 11,000.00				
SW0550	NS18-5	NS18-4	462.0	21.0	VCP	Line in fair condition, Large OS in lats(335', 451'), Broken pipe in lat(369'), Long. Fractures(32'-336'), Mult. Fractures(63'-337', 349'-462'), Broken(64')		10.5	462	2	24	\$ 56,890.00							\$ -	\$ -		\$ -	\$ -	\$ -	\$ 56,890.00			
SW0554	NS18-1A	NS18-1	47.0	12.0	VCP	Line in fair condition, Broken (44'), MH numbers are the same for US and DS on report, can't tell which MH damage is near, Fix report or Re-TV		6			\$ -	1						\$ 3,000.00	\$ -		\$ -	\$ -	\$ -	\$ 3,000.00				
SW0555	NS15-1	NS15-1A	168.0	15.0	VCP	Line in fair condition, Pro lat(78'), Mult. Fracture(59'), Long. Fracture(72', 75'-97')		6.4	168	1	4	\$ 13,420.00							\$ -	\$ -		\$ -	\$ -	\$ -	\$ 13,420.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW0557	NS2-1-1	NS3-1-1	315.0	12.0	VCP	Line in fair condition, Long. And Mult Fractures(9'-90', 180', 298'), Broken pipe in mainline(172')		7.5	315		8	\$ 22,900.00						\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 31,400.00				
SW0587	NS2-9-1	NS2-9	396.0	15.0	VCP	Line in fair/poor condition, Long. Fractures and Cracks T/O, Pipe called out as CIPP but line is VCP		8	396	3	15	\$ 34,740.00						\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 34,740.00			
SW0589	B5-8-2	B5-8-1	430.0	10.0	VCP	Line in fair condition, Pro lat(57'), Lt MD at joints(87'-139', 370'-419'), Mult. Crack(248'), Long. Fracture(288')		6			\$ -	1						\$ 2,750.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 2,750.00			
SW0594	B5-6-3	B5-6-2	278.0	10.0	VCP	Line in fair condition, Hwy Roots in lat(157'), Hwy MD in lat(223'), Lt Roots and Lt MD at select joints T/O, Long. Crack(15'), Mult. Fracture(151')		6			\$ -	1					1	\$ 3,500.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 3,500.00			
SW0595	B5-6-4	B5-6-3	320.0	10.0	VCP	Line in fair condition, Pro lat(146'), Long. Crack(53'), Mult. Fracture(85')		6			\$ -	1						\$ 2,750.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 2,750.00			
SW0596	B5-6-5	B5-6-4	382.0	10.0	VCP	Line in fair condition, , Pro lats(244', 280'), Long. Crack(101'), Spiral Fracture(353'), Missing pipe(359'), Lt MD and Lt Roots at select joints T/O		8			\$ -	1						\$ 3,000.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 3,000.00			
SW0614	B5-3	B5-2	455.0	18.0	VCP	Line in fair condition, Broken pipe(41')		8.4			\$ -	1					1	1	\$ 5,100.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 5,100.00		
SW0615	B5-6-4B	B5-6-4A	332.0	10.0	VCP	Line in fair condition, Pro lats(157', 226'), Lt MD in lat(159'), Long. Crack(42'), Med OS joint(69'), Broken pipe(226')		10			\$ -	1					1	1	\$ 3,750.00	\$ -	1	\$ 8,500.00		\$ -	\$ -	\$ 12,250.00		
SW0616	B5-3-3-1	B5-3-3	452.0	10.0	VCP	Line in fair condition, Pro lat(34'), Broken pipe(36'), Long. Fracture(50'), Long. Crack(119'), Spiral Fracture(293', 446')		8			\$ -	2	1						\$ 7,750.00	\$ -	1	\$ 8,500.00		\$ -	\$ -	\$ 16,250.00		
SW0619	B5-1-5A	B5-1-5	360.0	10.0	VCP	Line in fair condition, Lt MD at select joints T/O, Hinge Fracture(67', 72')		8			\$ -	1					1	\$ 3,500.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 3,500.00			
SW0621	B5-1-4-1	B5-1-4	215.0	10.0	VCP	Line in fair condition, Hwy Roots in lat(77'), Roots at select joints T/O, Broken(167'), Hinge Crack(182'-187')		8			\$ -						1		\$ 3,400.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 3,400.00		
SW0625	NS2-13	NS2-12	16.0	12.0	VCP	Line in fair condition, Broken(12')		7.5	16		\$ 960.00								\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 960.00		
SW0631	NS6-11-2-1	NS6-11-2	96.0	12.0	VCP	Line in fair condition, Long. Crack(69'), Mult. Fracture(89')		7.5			\$ -	1							\$ 3,100.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 3,100.00		
SW0634	B5-3-8	B5-3-7	338.0	10.0	VCP	Line in fair condition, Hole(203'), Long. Fracture(226', 259', 298', 303', 318', 331'), Spiral Fracture(229', 263'), Mult. Crack(232')		7.5	338	3	\$ 16,710.00								\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 16,710.00		
SW0636	NS2-9-3	NS2-9-2	400.0	18.0	VCP	Line in fair condition, Long. Fracture(17', 41', 45'-57', 74'-109', 188'-238'), Broken pipe(70', 396')		8	400	2	15	\$ 38,500.00						\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 38,500.00			
SW0638	NS3-9	NS2-17	204.0	21.0	VCP	Line in poor condition, Mult. And Long. Cracks T/O, Both MH's labeled as US and DS MH's, how is that possible		8	204	4	\$ 21,380.00							\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 21,380.00			
SW0640	B5-1-7	B5-1-6	358.0	10.0	VCP	Line in fair condition, Lt Roots in lat(323'), Mult. Crack(55'-69', 90'), Spiral Fracture(79'), Long. Crack(163', 240')		8			\$ -	2		1				\$ 8,100.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 8,100.00			
SW0643	NS6-11-2-1	NS6-11-2-2	432.0	12.0	VCP	Line in fair condition, Mult Fractures(87')		6			\$ -	1						\$ 3,100.00	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 3,100.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS								
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE	SUBTOTAL										
SW0644	NS2-7-2	NS2-7-1	255.0	12.0	VCP	Line in poor condition, Hyd Roots in lats(32', 186'), Me dMD in lat(146'), Broken pipe in lat(241'), Long. Fractures(10'-38', 46', 52', 70', 133', 135'-143', 171', 189', 212', 228', 231'-255'), Roots at joints(149'-174')		7.5	255		11	\$ 20,800.00						\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,800.00				
SW0650	NS15-7	NS15-6	121.0	12.0	VCP	Line in fair condition, Lt MD in lat(95'), Long. Crack(28'), Mult. Fracture(55'-97')		8	121		6	\$ 10,260.00						\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,260.00				
SW0655	NS6-8-2	NS6-8-1	350.0	12.0	VCP	Line in fair condition, Long. Crack(66'-74', 108'-113', 230', 236'), Mult. Fracture(113', 147'-157'), Pipe type listed as CIPP		6				\$ -		1	1			4	\$ 8,500.00	\$ -	\$ -	\$ -	\$ -	\$ 8,500.00			
SW0656	NS6-8-1	NS6-8	352.0	15.0	VCP	Line in fair condition, Lt Roots in lats(46', 88'), Med OS in lats(165', 245'), Mult. Fracture(49'-59', 340'-346'), Circ. Fracture(300') Pipe type listed as CIPP		6.4				\$ -	1	2					\$ 10,900.00	\$ -	\$ -	\$ -	\$ -	\$ 10,900.00			
SW0666	NS15-5A	NS15-5	321.0	15.0	VCP	Line in fair condition, Lt MD in lat(44'), Lt Roots in lat(145', 188'), Long. Crack(6'), Mult. Fracture(141', 186'-212', 275'-321')		10.5	321		11	\$ 26,365.00						\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,365.00				
SW0667	NS2-5-1A	NS2-5	142.0	15.0	VCP	Line in fair condition, Lt Roots at select joints T/O, Defective spot repair(126')		10.5				\$ -						\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW0677	NS15-4	NS15-3	419.0	24.0	VCP	Line in fair condition, Med OS in lat(70'), Pro lat(228'), Cracked pipe in lat(269'), Separated pipe in lat(347'), Long. Cracks T/O, Mult. Fracture(125'-152'), Missed lat at 230'		6.9	419	1	21	\$ 11,000.00						\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,000.00				
SW0689	NS2-1-3	NS2-1-2	48.0	24.0	VCP	Line in fair condition, Long. Crack(9'-17')		5.4	48			\$ -						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW0702	NS6-2-3	NS6-2-2	336.0	18.0	VCP	Line in fair condition, Long. Cracks T/O, Mult Cracks T/O		6.4	336		15	\$ 32,700.00						\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,700.00				
SW0727	NS59-9-1-6A	BLIND TAP	95.0	12.0	VCP	Mult and Long. Cracks T/O, Long. Fracture (16'), Lt MD at joints T/O	None	5				\$ -						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW0742	NN47-7	NN47-6	367.0	15.0	VCP	Hyd Roots in lats(43', 312'), Small OS in lat(122'), Pro lats(156', 158'), Lt Roots in lat(231'), Long. Crack(65', 277'), Mult. Cracks(334'), Lt Roots @ various joints T/O		5.25				\$ -						\$ -	\$ -	\$ -	\$ -	2	\$ 12,000.00				
SW0785	NN21-5	NN21-4	450.0	18.0	VCP	Small OS in lat(20', 262', 266'), Pro lats(48', 52', 127', 131', 206', 208', 267', 279', 281', 436', 438'), Lt MD in lat(67', 69', 105', 224', 297'), Lt Roots in lat(357'), Large OS in lat(72'), Mainline pipe collapse @ lateral(270')		10.5				\$ -						\$ -	\$ -	1	\$ 8,500.00	2	\$ 12,000.00	\$ 8,500.00			
SW0792	NN19-7	NN19-6	365.0	12.0	VCP	Hyd Roots in lat(57'), Small OS in lat(70'), Pro lat(195'), Lt Roots in lat(208'), Object stuck in joint(99), Long. Crack(208'), Mult. Cracks(220')		5				\$ -						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW0796	NN19-5	NN19-4	458.0	18.0	VCP	Hyd Roots in lat(30'), Pro lats(188', 190', 228', 266', 300', 308', 386', 428'), Small OS in lat(292'), Long. Crack(13', 279'), Mult. Cracks(132', 337')		5.25				\$ -						\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -				
SW0801	NN19-1	Blind Tap	153.0	24.0	VCP	Pro lats(75', 184'), Med MD in lats(163', 203'), Mult. Cracks(16'), Hole in Pipe(110', 118')		6.9				\$ -						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW0808	NN1-9-3-3	NN1-9-3-4	83.0	12.0	VCP	Line in fair condition, Mult. Fracture(4'-83'), Deformed(35'-83')		6	83			\$ 4,980.00						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW0903	NN7-1-8	NN7-8	330.0	18.0	RCP	Line in poor condition, B (322), CL (3-302)		5.6	330	5	\$ 27,250.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,250.00				
SW0940	NN1-8-3	NN1-8-4	36.0	12.0	VCP	Line in fair condition, Lt MD at joints(17', 23', 26', 29'), Long. Fracture(28'), Circ. Fracture(29')		6			\$ -	1						\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00				

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS								
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE	SUBTOTAL										
SW0947	NN1-7-3	NN1-7-2	353.0	24.0	VCP	Line in fair condition, Lt MD at select joints T/O, Long Fracture(162'), Mult. Fracture(312'-353')		5.4			\$ -				2		1	\$ 500.00	\$ -	\$ -	\$ -	\$ -	\$ 500.00				
SW0964	NN12-5-4A	NN12-5-4	43.0	12.0	VCP	Line in fair condition, Mult fracture(21')		6	43		\$ 2,580.00								\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,580.00			
SW1011	NN29-8-2	NN29-8-1	408.0	24.0	VCP	Lt MD in lat(47'), Small OS in lats(93', 95', 143', 193', 242', 245', 343', 345', 390'), Pro lats(149', 292'), Large OS in lats(295', 297', 392'), Mult. Cracks(204', 246')		6.9			\$ -								\$ -	\$ -	\$ -	\$ -	3	\$ 18,000.00	\$ -		
SW1013	NN16-10-2-15	NN29-9-1-5	381.0	12.0	VCP	Small OS joint in lat(29'), Lt Roots in lats(154', 220'), Roots @ joints and Mult. Cracks for first half of run		6			\$ -							\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -			
SW1138	*NN29-9-2-5A	NN29-9-2-5	258.0	12.0	VCP	Pro lats(126', 144', 176', 184'), Long Crack(113', 163'), Hole in mainline pipe(141')		6			\$ -	1						\$ 3,100.00	\$ -	\$ -	\$ -	\$ -	\$ 3,100.00				
SW1183	NN29-11-1A	NN29-11	233.0	24.0	VCP	Small OS in lats(24', 59', 104', 106', 142'), Large OS in lat(26'), Pro lat w/ Lt Roots(39'), Pro lat(61'), Lt MD in lats(144', 186'), Mult. Cracks(321')		6.9			\$ -	1						\$ 5,100.00	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ 5,100.00			
SW1209	NS59-21	NS59-21S	33.0	12.0	CIPP	Rocks(7', 9'), Rebar visible(28')	None	6			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW1211	NS59-21	NS59-21A	135.0	12.0	CIPP	Deformed(63', 126'), Wrinkle in liner(106', 110')	None	7			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW1221	NS59-9-2-6AS	NS59-9-2-6	110.0	12.0	VCP	Long. And Mult Cracks T/O	None	5			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW1245	NS59-8-2	NS59-8-1	453.0	21.0	VCP	Line in Fair Condition, CM (124.3 - 159.7), CL (203.7		5.25			\$ -			2		2	\$ 10,800.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,800.00				
SW1249	NS59-9-1-4	NS59-9-1-4A	137.0	12.0	VCP	Mult cracks and hinge fractures T/O	FCIIPP	7	137		\$ 8,220.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,220.00			
SW1268	NS59-7A-1	NS59-7A-2	59.0	12.0	RCP	Mult Crack(28'), Lt MD at joint(27')	Dig Mainline	6			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW1278	*NS63-4-2A	NS63-4-1	299.0	12.0	RCP	Pro lats(29', 146'), Large OS in lat(179'), Lt H2S damage T/O		6			\$ -							\$ -	\$ -	\$ -	\$ -	1	\$ 6,000.00	\$ -			
SW1294	NN51-1	BULKHEAD	22.1	12.0	VCP	MULTIPLE CRACKS @ 15', 19'	NONE	5.4			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW1363	*NS37-5A	NS37-5	217.0	18.0	VCP	Small OS in lats(20', 58'), Pro lats(94', 96', 178'), Large OS in lats(98', 133', 135', 180'), Mult. Crack(2'), Long. Crack(82')		5.25			\$ -						\$ -	\$ -	\$ -	\$ -	4	\$ 24,000.00	\$ -				
SW1373	NS25-7	NS25-6	210.0	15.0	VCP	Line in fair condition, Med OS in lats(95', 134'), Long. Fracture(19'-24')		8.4			\$ -	1					\$ 3,600.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,600.00				
SW1376	NS25-2B	NS23-1	59.0	12.0	VCP	Line in fair condition, Circ. Fracture(56')		6			\$ -	1					\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00				
SW1392	NS20-1	NS20-1A	143.0	12.0	VCP	Line in fair condition, Lt MD in lat(37'), Mult. Fractures(130')		6			\$ -	1					\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00				

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS										
									LATERTALS			LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10					15	20	25	CUT PRO	RE									
SW1488	NN75-6	NN75-5	420.0	15.0	VCP	Pro lats(24', 108', 144'), Med MD in lat(97'), Hwy Roots in lats(355', 380'), Mult. Fractures and Broken Pipe(190' to 206'), Long. Cracks(235', 328', 403'), Lt Roots @ joints(320' to 355'), Footage counter obscured		8.4			\$ -				1						\$ 3,900.00		\$ -		\$ -	2	\$ 12,000.00	\$ 3,900.00	
SW1508	NN73-5	NN73-4	287.0	21.0	VCP	Large OS in lat(53'), Piece of wood lodged in joint(88'), Mult. Crack(66')		6.3			\$ -										\$ -		\$ -		\$ -	1	\$ 6,000.00	\$ -	
SW1516	NN73-2	NN73-1	412.0	21.0	VCP	Large OS in lat(55'), Med MD in lat(175'), Small OS in lat(214'), Lt MD in lats(277', 279'), Mult. Cracks(332')		6.3			\$ -										\$ -		\$ -		\$ -	1	\$ 6,000.00	\$ -	
SW1533	NN70-1-7	NN70-1-6	298.0	12.0	VCP	Pro lats(66', 76', 124', 164'), Large OS in lat(203'), Mult. Cracks(186'), Circ. Crack(294')		5			\$ -										\$ -		\$ -		\$ -	1	\$ 6,000.00	\$ -	
SW1633	NN66-4A	NN66-4	6.0	18.0	RCP	Line in poor condition, B (6-12)		10.5	12		\$ 900.00										\$ -		\$ -		\$ -		\$ -	\$ 900.00	
SW1638	NN70-1-1	NN70-1	494.0	18.0	VCP	Pro lats(6', 46', 112', 242', 326', 344'), Small OS in lats(232', 234'), Large OS in lat(404'), Lt MD in lat(416'), Mult. Cracks(36', 242')		7.8			\$ -				1		1	1	\$ 5,400.00		\$ -		\$ -	1	\$ 6,000.00	\$ 5,400.00			
SW1756	NN47-4	NN47-4A	151.0	21.0	VCP	Lt MD in lats(69', 111'), Pro lat(71'), Long. Crack(54'), Piece of pipe missing in mainline(98')		6.3			\$ -	1									\$ 4,500.00		\$ -		\$ -		\$ -	\$ 4,500.00	
SW1761	NN44-8	NN44-7	351.0	12.0	VCP	Small OS in lat(50'), Pro lats(92', 103', 124', 145', 323'), Mult. Fractures(252' to 256'), Long. Crack(39', 163'), Mult. Cracks(188', 321')		6			\$ -		1								1	\$ 3,700.00		\$ -		\$ -		\$ -	\$ 3,700.00
SW1764	NN44-5	NN44-5A	317.0	21.0	VCP	Pro lats(8', 98'), Hwy Roots in lat(10'), Small OS in lats(130', 132', 172', 174', 216', 250', 291'), Mult. Fracture(280' to 290')		8.4			\$ -				1						2	\$ 5,800.00		\$ -		\$ -	1	\$ 6,000.00	\$ 5,800.00
SW1765	NN44-4	NN44-3	355.0	21.0	VCP	Hwy Roots in lat(32'), Pro lats(34', 269', 307'), Small OS in lats(147', 149', 229'), Lt Roots @ joints(0' to 24', 60' to 70', 280' to 300'), Mult. Crack(231')		6.3			\$ -										\$ -		\$ -		\$ -	1	\$ 6,000.00	\$ -	
SW1799	NN42-6	NN42-4	121.0	72.0	RCP	Large OS in lat(66'), Long. Cracks(9', 38')		6			\$ -										\$ -		\$ -		\$ -		\$ -	\$ -	
SW2094	B5-1-3	B5-1-2	298.0	10.0	VCP	Line in fair condition, Hole in mainline at invert(285'), Hinge Fractures(285'-298')		8			\$ -										\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2234	B5-1-5	B5-1-4A	175.0	10.0	VCP	Line in fair condition, Pro lat(103'), Long. Crack(160', 170')		8			\$ -								1		1	\$ 3,700.00		\$ -		\$ -		\$ -	\$ 3,700.00
SW2239	B5-1-4-2	B5-1-4-1	210.0	10.0	VCP	Line in fair condition, Mult. Fracture(165')		8			\$ -		1							1	1	\$ 3,750.00		\$ -		\$ -		\$ -	\$ 3,750.00
SW2252	NS59-24-4	NS59-24-4NW	27.0	12.0	RCP	Rebar visible(12')	Dig Mainline	6			\$ -										\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2253	NS59-21-2	NS59-21-2N	32.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$ -										\$ -		\$ -		\$ -		\$ -	\$ -	
SW2254	NS59-21-1NE	NS59-21-1	30.0	12.0	VCP	Mult Crack(9', 10'-19', 25'), Lt Roots at joints(22', 26')	None	5.2			\$ -										\$ -		\$ -		\$ -		\$ -	\$ -	
SW2255	NS59-25-3	NS59-25-3S	13.0	12.0	RCP	Mult Crack(7')	Dig Mainline	6			\$ -										\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2259	NS59-16-2-3	NS59-16-2-3N	24.0	12.0	VCP	Mult Crack(9', 11', 12'), Lt MD at joint(15')	Dig Mainline	6			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW2263	NS59-18-1	NS59-18-1N	16.0	12.0	VCP	Mult Crack(8', 8'-16'), Lt Roots at joints T/O, Survey abandoned(16')-Roots	None	6			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW2266	NS59-16-3-3	NS59-16-3-3SE	26.0	12.0	VCP	Mult Crack(6', 10', 12', 14')	Dig Mainline	7.5			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2269	NS59-16-3-4SE	BLIND TAP	22.0	12.0	VCP	Long. Crack(11')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW2271	NS59-16-2-1NW	BLIND TAP	33.0	12.0	VCP	Long. Cracks T/O, Hinge Fracture(13'-22')	None	7			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2272	NS59-16-2-1SW	NS59-16-2-1SE	26.0	12.0	VCP	Circ. Fracture(25')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2274	NS59-16-2-1SW	BLIND TAP	28.0	12.0	VCP	Mult Fracture(5'-13'), Hinge Fracture(7'-17'), Long. Crack(20')	Dig Mainline-Connect to MH NS59-16-2-1	9.75			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW2275	NS59-17BNW	NS59-17BN	28.0	12.0	VCP	Long. Crack(5', 7'), Circ. Fracture(24')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2276	NS59-17B	NS59-17BN	48.0	12.0	VCP	Long. And Mult. Cracks T/O, Lt Roots at joints(8', 11'), Size reduces to 4"(45")	None	6.25			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2277	NS59-17-1ANE	BLIND TAP	32.0	12.0	VCP	Mult Fracture(5'), Mult Crack(6'-14', 22', 25', 27'), Hinge Fracture(12')	None	5.6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2286	NS71-12NW	BLIND TAP	40.0	12.0	VCP	Long. Cracks T/O, Hinge Fracture(12', 19')	None	6.25			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2288	NS71-12	NS71-12NNE	71.0	12.0	VCP	Long. And Mult cracks T/O	None	6.25			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2289	NS71-12NE	BLIND TAP	25.0	12.0	VCP	Med OS joint(6'), Mult Crack(8', 11'), Long. Crack(17'), Lt MD at joint(24')	None	5.75			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2292	NS71-12-1	NS71-12-1NW	50.0	12.0	VCP	Long. Cracks T/O, Mult Crack(23')	None	5.25			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2296	NS59-21-4N	NS59-21-4	72.0	12.0	VCP	Med OS joint(9', 65', 70'), Long. Crack(29', 34'), Hinge Fracture(37', 39'-43', 47'-54'), Hole with soil visible(63', 64'), Lt Roots at select joints T/O	Dig Mainline (60'-66') FCIPP	8	72	1	\$ 4,820.00								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 13,320.00
SW2301	NS59-16-2-3	NS59-16-2-3E	151.0	12.0	VCP	Long. Crack(10'), Mult Crack(84', 98', 101', 108', 117', 120', 122'), Lt Roots at joints T/O	FCIPP	6	151	1	\$ 9,560.00							\$	-	\$	-	\$	-	\$	-	\$	-	\$ 9,560.00
SW2302	NS59-16-2-3NE	BLIND TAP	18.0	12.0	VCP	Hinge Fracture(7'), Med Roots at joints(5', 9', 12', 18'), Survey abandoned(18')-Large Tap Root	None	10			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2303	NS59-16-2-2SW	NS59-16-2-2	144.0	12.0	VCP	Long. Crack(39', 122'), Mult Crack(118', 123', 135')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2306	NS59-17B	NS59-17BS	128.0	12.0	VCP	Med OS joint(7', 11'), Mult Crack(11', 69', 93', 98', 115'), Size reduces to 4"(125')	None	6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2307	NS59-9-2-6A	NS59-9-2-6AN	34.0	12.0	VCP	Mult Crack(10', 14', 16'-34'), Long Crack(22', 25', 28'), Lt MD at joints(10', 19')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2308	NS59-9-2-6AN	NS59-9-2-6ANE	28.0	12.0	VCP		Dig Mainline	5.6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2314	NS59-9-9A	NS59-9-9ASSE	54.0	12.0	RCP	Lt H2S damage(11', 32'), Lt MD at select joints T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2331	NS59-9-3-4AN	NS59-9-3-4ANE	29.0	12.0	RCP	Rebar Visible(16'), Lt MD at joints T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2332	NS59-9-1-4A	NS59-9-1-4AN	53.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2333	NS59-9-1-4AW	NS59-9-1-4ANW	26.0	12.0	VCP	Mult. Crack(13')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2341	NS59-17A	NS59-17ANE	24.0	12.0	RCP	Hole(14'), compacted cement(22'-24')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2343	NS59-9-1-6AN	NS59-9-1-6ANW	29.0	12.0	VCP	Mult crack(7'-29')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2345	Catch Basin	NS59-9-1-6BSE	50.0	12.0	VCP	Mult and Long. Cracks T/O, Size reduction to 4'(46')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2348	NS59-9-2-5A	NS59-9-2-5ASE	25.0	12.0	VCP	MULT CRACKS @ 12', 18'; DEPOSITS @ 12', 18'	NONE	6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2351	NS59-9-4-7NW	NS59-9-4-7NE	28.0	12.0	VCP	Mult Crack(17', 19'), Lt MD at joints T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2355	NS59-9-2-4AW	NS59-9-2-4ANW	28.0	12.0	VCP	Long. Crack(6'), Mult Crack(14'), Rocks(9')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2356	NS59-9-2-4A	NS59-9-2-4AW	34.0	12.0	VCP	Long. Crack(10', 15', 17'), Hinge Fracture(18', 21', 23'), Size reduces to 10'(28'), Backflow preventer(32')	Dig Mainline	7			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2357	NS59-9-2-4A	NS59-9-2-4AN	58.0	12.0	VCP	Long. Crack(7', 9', 12', 14'), Hinge Fracture(20'-44'), Lt MD at joints T/O	Dig Mainline	6.2			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2359	NS59-12-SW	NS59-12-3W	35.0	12.0	RCP	Long. Crack(6', 15', 17', 23'), Mult Crack(30'), Lt MD at select joints T/O	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2361	NS59-15SE	NS59-9-1ENE	25.0	10.0	RCP	MULT CRACK @ 16'; DEPOSITS THROUGHOUT	NONE	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2362	NS59-15	NS59-15SE	29.0	10.0	RCP	MULT CRACKS @ 14', 26'; LONG CRACKS @ 17'-25'; HOLE/REINFORCEMENT VISIBLE @ 17'	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2365	NS59-9-4SW	Blind Tap	28.0	12.0	VCP	Long, And Mult Cracks T/O, Lt MD at joints T/O	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2366	NS59-9-4NW	NS59-9-4	51.0	12.0	VCP	Mult Crack(6'-45'). Long, Crack(14'-45'), Lt MD at joints T/O, Utility thru sewer(45')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2369	NS59-9-6A	NS59-9-6AW	48.0	12.0	VCP	LONG CRACKS @ 6'-40'; MAT CHANGE @ 42' (RCP), 45' (PVC)	NONE	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2371	NS59-9-3-1	NS59-9-3-1NW	37.0	10.0	RCP	MULT CRACKS @ 23'; DEPOSITS @ 23'	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2373	NS59-9-1-2S	NS59-9-1-2N	29.0	10.0	VCP	Mult Crack and Fracture(18', 21', 23', 25'), Lt MD at joints(8'-12', 14'), Mortar in line(25')	Dig Mainline	6.4			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2375	NS59-9-2-4AE	NS59-9-2-4ANE	26.0	12.0	VCP	Mult Crack(20'), Large angular joint(23')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2376	NS59-9-2-3NW	NS59-9-2-3NNW	26.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2377	NS59-9-2-3NW	NS59-9-2-3NE	94.0	12.0	VCP	MULT CRACKS @ 48'-END OF LINE; DEPOSITS THROUGHOUT	NONE	5.8			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2384	NS59-8-3-1W	NS59-8-3-1NW	26.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT		6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2385	NS59-8-3-1	NS59-8-3-1W	43.0	12.0	VCP	MULT CRACKS @ 10', 18', 39'; LONG CRACK 2 40'	NONE	5.6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2388	NS59-8-2	NS59-8-2SW	36.0	12.0	VCP	Long, Crack(8', 27', 29'), Med OS joint(11'-27'), Hole(33'), Pipe reduces to 10'(33')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2395	NS59-9-0-1A	NS59-9-0-1ANNW	99.0	12.0	VCP	Mult Crack(6', 80'), Lt MD at joints T/O	FCIPP	7.5	99	1	\$ 6,440.00								\$	-	\$	-	\$	-	\$	-	\$ 6,440.00	
SW2396	NS59-9-0-1ANW	Blind Tap	30.0	12.0	VCP	Long, Crack(17'), Mult Crack(18', 21'), Lt MD at joints T/O	None	6.75			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2397	NS59-12-6	NS59-12-5SE	15.0	12.0	VCP	Mult Crack(9')	Dig Mainline	7.5			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2398	NS59-12-6	NS59-12-5NE	36.0	12.0	VCP	Long, Cracks T/O, Med OS Joints(16'-36')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2399	NS59-12-6SW	NS59-12-6SE	29.0	12.0	VCP	Mult cracks and Lt MD at joints T/O	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2400	NS59-9-0-3A	NS59-12-6SW	54.0	12.0	VCP	Mult Crack(5', 8'-16', 17', 23', 26'-54'), Hinge Fracture(9'-16'), Deformed(10', 18'), Broken(31')	Dig Mainline	6.6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$ -	\$ 8,500.00	
SW2409	NS6-13-21-4	NS6-13-21-4NW	151.0	12.0	VCP	Long, Fracture(5', 10', 121'), Long, Crack(14', 31', 71', 114', 117'-121'), Survey abandoned(126')-Cement, Reverse-Lt MD at joints(6'-25'), Survey abandoned(25')-Cement	Dig Mainline (123'-129') FCIPP	6	151	1	\$ 9,560.00								\$	-	\$	-	1	\$ 8,500.00		\$ -	\$ 18,060.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2410	NS6-13-21-4N	Blind Tap	5.0	12.0	VCP	Mult Fracture(3')	Dig Mainline (0'-5')	8			\$	-						\$	-	1	\$ 6,000.00	1	\$ 8,500.00		\$ -	\$ 14,500.00		
SW2418	NS59-8-0-3	NS59-8-0-3NE	40.0	10.0	RCP	Long. Crack(5', 7'-14', 31', 33'), Hinge Fracture(35'), Size reduces to 8'(38')	None	5			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2422	NS59-6-10	NS59-6-10SE	22.0	12.0	RCP	Lt MD at joint(8'), Mult Crack(21')	Dig Mainline	6			\$	-						\$	-		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2423	NS6-13-17-4N	BLIND TAP	6.0	12.0	RCP	Mult Crack(5')	None	6			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2424	NS6-13-17-4	NS6-13-17-NW	175.0	12.0	VCP	Mult crack(5', 15', 28', 89', 108', 121'), Long Crack(11', 37', 51', 102', 131', 137', 141'), Lt MD at joints T/O	None	5			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2425	NS59-6-11-1NW	NS59-6-11-1	173.0	12.0	RCP	Spiral Crack(8', 121', 154'), Long. And Mult cracks at various locations T/O, Lt MD at joints T/O	None	5			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2428	NS59-8-0-2	NS59-8-0-2NE	63.0	10.0	RCP	Long. Crack(7'), Mult Crack(17'), Lt MD at joints T/O	None	5			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2432	NS59-8-SSE	BLIND TAP	30.0	12.0	RCP	Long. Crack(7', 8'-30'), Mult Fracture(29')	None	5			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2448	NS59-6-5AN	NS59-6-5A	157.0	12.0	RCP	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	5			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2449	NS59-6-3A	NS59-6-3NE	18.0	12.0	VCP	Long. Crack(5'), Mult Crack(9'), Lt MD at joints(10', 14'), Lt Roots at joints(15', 16')	None	5			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2452	NS59-6-4	NS59-6-4NW	57.0	12.0	RCP	Long. Fracture(5'), Mult Crack(13', 38'), Long. Crack(33'-57'), Lt MD at joints T/O	None	5			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2453	NS59-6-3W	NS59-6-3NW	50.0	12.0	VCP		Dig Mainline	6.4			\$	-						\$	-		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2459	NS59-6-1BSW	Blind Tap	6.0	12.0	VCP	Mult Crack(5')	None	6			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2463	NS59-8-3	NS59-8-3S	44.0	12.0	VCP	Mult Crack(5'-44'), Med OS joint(11', 22', 40'), Long. Crack(15'), Lt MD at joints T/O	None	5.2			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		
SW2464	NS59-8-3	NS59-8-3N	26.0	12.0	VCP	Mult Crack T/O, Long. Fracture(23'), Long. Crack(24'), Hole with soil visible(25'), Survey abandoned(26')-Broken and collapse	Dig Mainline	8			\$	-						\$	-		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2465	NS59-8-2	NS59-8-2S	7.0	12.0	VCP	Large OS joint(5'), Wall missing(5'), Survey abandoned(7')-Large Offset	Dig Mainline	7			\$	-						\$	-		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2467	NS59-8	NS59-8NE	47.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6			\$	-						\$	-		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00		
SW2471	NS59-6ASW	NS59-6ASSW	35.0	12.0	RCP	Long. Crack(7', 14'-35'), Lt MD at joint(7')	None	5			\$	-						\$	-		\$ -		\$ -		\$ -	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2483	NS-13-19-2A	NS6-13-19-2	146.0	12.0	VCP	Mult Cracks T/O	FCIPP	6	146		2	\$ 9,760.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,760.00				
SW2484	NS6-13-17-2AN	NS6-13-17-2	124.0	10.0	VCP	Mult Crack(2'-6")	FCIPP	6	124			\$ 5,580.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,580.00			
SW2486	NS6-13-13-2A	NS6-13-13-2	152.0	12.0	VCP	Mult Cracks(21', 37', 41', 48'-124'), Long. Fracture(44', 136', 140')	FCIPP	6	152		2	\$ 10,120.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,120.00			
SW2487	NS6-13-11-2S	NS6-13-11-2	149.0	12.0	VCP	Long. Crack(9', 38', 58', 64', 67'), Mult Crack(11', 15', 54', 60', 71', 143'), Lt Roots at joints T/O	None	5				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2488	NS6-13-9-2A	NS6-13-9-2	157.0	10.0	VCP	Long. Crack(14', 28', 91'), Mult Crack(101', 105'), Hole(157')	None	5				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2490	NS6-13-8A	NS6-13-8ANW	89.0	12.0	VCP	Long. Cracks T/O, Hinge Fracture(14', 20'), Mult crack(18', 36'), Broken(34', 79'), Gas service thru main(34', 79')	FCIPP	7.5	89			\$ 5,340.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,340.00			
SW2492	NS6-13-8A	NS6-13-8AW	84.0	12.0	VCP	Long. Fracture(15'), Hinge Fracture(17', 20', 22', 27', 31', 40'), Lt Roots at joints(61'-76')	FCIPP	9.75	84			\$ 5,040.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,040.00			
SW2497	NS6-13-26B	NS6-13-26BN	39.0	10.0	RCP	Mult Crack(16')	Dig Mainline	6				\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2503	NS6-13-18	NS6-13-18SE	105.0	10.0	RCP	Spiral Fracture(101'), Lt Roots at joints(65', 74', 76', 79')	None	5				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2517	NS6-13-11-2S	NS6-13-11-2SW	58.0	12.0	VCP	Long. And mult Cracks T/O, Lt Roots at joints(31', 34', 40', 42')	None	5				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2518	NS6-13-11-2S	NS6-13-11-2SSW	65.0	10.0	VCP	Long. Crack(18', 42'), Mult Crack(56', 60'), Lt Roots at joints(59', 62')	None	5				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2520	NS6-13-8	NS6-13-8SW	26.0	10.0	RCP	Mult Crack(9')	Dig Mainline	6				\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2527	NS6-13-11-5NW	NS6-13-11-5	155.0	12.0	RCP	Long. Crack(52', 63', 67', 73', 83'), Long. Fracture(9'), Hinge Fracture(91', 94'-155'), Deformed(100', 106', 109', 141'), Lt MD at joints(0'-88'), Hwy Roots at joints(114'-150')	FCIPP	6.4	155			\$ 9,300.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,300.00			
SW2532	NS48-8	NS48-8S	48.0	12.0	RCP	Rebar visible(9'), Lt MD at joints(19'-41')	Dig Mainline	7.5				\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2533	NS6-13-9-2-1	NS6-13-9-2-1S	7.0	12.0	VCP	Long. And mult crack(5')	None	5				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2535	NS6-13-9-2-1	NS6-13-9-2NNW	76.0	12.0	VCP	Long. Cracks 10', 29', 33'-36', 38'), Lt MD at select joints T/O	None	5.25				\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW2536	NS6-13-9-2-1	Bulkhead (NW)	60.0	12.0	VCP	Long. Crack(6', 8'), Hinge Fracture(33'), Gas line thru main(37'), Lt Roots at joints(43'-53'), Line ends at bulkhead(60')	Dig Mainline (34'-40')	7.5				\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2540	NS6-15-2A	NS6-15-2	147.0	12.0	RCP	UNIDENTIFIED (LIQUID WATER) LINE THROUGH SEWER @ 6', MISSING WALL/HOLE SOIL VISIBLE @ 6'; MAT CHANGE @ 10' (10' PVC), 20' (VCP); DEFECTIVE TAPS @ 34' (3 & 9'), LONG CRACKS THROUGHOUT; HINGE FRACTURE (4') @ 100'-107'; 135'-138'	Dig Mainline (0'-36') FCIPP	10	147			\$ 8,820.00							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ -	\$ 17,320.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS								
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE	SUBTOTAL										
SW2542	NS6-18-2A	NS6-18-2	110.0	12.0	VCP		FCIPP	7	110		\$ 6,600.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,600.00				
SW2544	NS6-15-4A	NS6-15-4	148.0	12.0	VCP		FCIPP	6	148		\$ 8,880.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,880.00				
SW2545	NS6-13-5A	NS6-13-5	132.0	12.0	VCP	Long. And Multi Cracks T/O, Hinge Fracture(80', 82'-100', 112'), Broken with hole(130'), LT MD at joints T/O	Dig Mainline (129'-132') FCIPP	8.75	132		\$ 7,920.00							\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 16,420.00			
SW2549	NS6-16-2A	NS6-16-2ASW	53.0	10.0	VCP	POSSIBLE PATCH REPAIR @ 6'; HINGE FRACTURE (4') @ 12'-27"; MULT CRACKS THROUGHOUT; DEFORMATION @ 13'	Dig Mainline	8			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2550	NS6-16-2A	NS6-16-2ANW	29.0	10.0	RCP	HEAVY ROOTS @ 29'; MSA DUE TO ROOTS, REVERSAL-LARGE DEPOSIT @ 16'; MSA DUE TO DEPOSIT, LINE NOT COMPLETED	ATTEMPT TO REMOVE DEPOSIT TO COMPLETE TELEVISING	6			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2551	NS6-16-2A	NS6-16-2	156.0	12.0	VCP	BROKEN/MISSING WALL @ 5'; HINGE FRACTURING @ 5', 40', 100'-END OF LINE; ALIGNMENT LEFT @ 10', 148'; ALIGNMENT RIGHT @ 34', 123'; MULT CRACKS THROUGHOUT	DIG UP AND REPLACE 0'-10'; INSTALL MANHOLES AT EACH OF THE 4 ALIGNMENT CHANGES, THEN FCIPP	7.5	156		\$ 9,360.00							\$ -	2	\$ 12,000.00	1	\$ 8,500.00		\$ -	\$ 29,860.00		
SW2555	NS6-15-2AN	NS6-15-2ANE	25.0	12.0	VCP	MULT CRACKS THROUGHOUT; TRAP AT CB	NONE	6			\$ -							\$ -	\$ -		\$ -	\$ -	\$ -	\$ -			
SW2556	NS6-14-3A	NS6-14-3ASW	63.0	12.0	VCP	MULT CRACKS THROUGHOUT; HINGE FRACTURES @ 15'-21'; BROKEN/DEFORMED @ 17"	Dig Mainline	10			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2557	NS6-14-3A	NS6-14-3AW	50.0	12.0	VCP	MULT CRACKS THROUGHOUT; TAP ROOTS @ 41', 43'; ALIGNMENT UP/LEFT @ 45'; HEAVY ROOTS @ 49'; CAMERA CANNOT PASS	Dig Mainline	6			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2563	NS6-13-3B	NS6-13-3BNW	66.0	12.0	VCP	Long. Crack(7', 10', 17', 27', 32', 43'), Hinge Fracture(11'), LT MD at joints T/O	None	5.5			\$ -							\$ -	\$ -		\$ -	\$ -	\$ -	\$ -			
SW2564	NS6-13-3B	NS6-13-3BW	41.0	12.0	VCP	Hinge Fracture(18'), Long. Crack(22'), Lt Roots at joints(29', 30'-41'), Survey abandoned(41')-Heavy Roots	Dig Mainline	8.75			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2572	NS6-17-3A	NS6-17-3AW	51.0	12.0	VCP		Dig Mainline	6			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2575	NS6-17-3ANNW	Blind Tap	23.0	12.0	VCP		Dig Mainline	6			\$ -							\$ -	1	\$ 6,000.00	1	\$ 8,500.00		\$ -	\$ 14,500.00		
SW2576	NS6-16-4ANW	BLIND TAP	25.0	12.0	VCP		None	5.4			\$ -							\$ -	\$ -		\$ -	\$ -	\$ -	\$ -			
SW2578	NS6-16-4A	NS6-16-4ASW	66.0	12.0	VCP	Utility thru sewer(49')	Dig Mainline (46'-52') FCIPP	6	66		\$ 3,960.00							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 12,460.00			
SW2579	NS6-16-4A	NS6-16-4AW	56.0	12.0	VCP		Dig Mainline	8			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2587	NS6-14-5A	NS6-14-5ASW	55.0	12.0	VCP		None	5.4			\$ -							\$ -	\$ -		\$ -	\$ -	\$ -	\$ -			
SW2589	NS6-14-5ASE	BLIND TAP	28.0	12.0	VCP		None	5			\$ -							\$ -	\$ -		\$ -	\$ -	\$ -	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2601	NS6-13-6-3BE	NS6-13-6-3BNE	30.0	12.0	VCP		Dig Mainline	6			\$ -							\$ -		\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW2602	NS6-13-6-3BE	Blind Tap	91.0	12.0	VCP		Build MH (91') FCISSP	6	91		\$ 5,460.00							\$ -	1	\$ 6,000.00		\$ -	\$ -	\$ -	\$ 11,460.00			
SW2605	NS6-13-6-2A	NS6-13-6-2ANE	29.0	12.0	RCP		None	6			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			
SW2609	NS6-13-5B	NS6-13-5BSW	61.0	12.0	VCP		FCISSP	7	61		\$ 3,660.00							\$ -		\$ -		\$ -	\$ -	\$ -	\$ 3,660.00			
SW2613	NS6-13-5B	NS6-13-5	175.0	12.0	VCP		FCISSP	8	175		\$ 10,500.00							\$ -		\$ -		\$ -	\$ -	\$ -	\$ 10,500.00			
SW2614	NS6-13-8ANE	Blind Tap	39.0	12.0	VCP	Lt H2S damage in areas of RCP pipe	None	7.5			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			
SW2631	EH-32-15	EH-32-1	232.0	42.0	RCP	Circ. Crack(58', 185'), Long. Crack(149', 172'), Lt MD at joints T/O	None	5.4			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			
SW2633-1	EH-32-14.5	EH-32-15	215.0	42.0	RCP	Long. Crack(16'), Lt MD at joints T/O	None	5			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			
SW2635	NS6-13-5A	NS6-13-5AW	52.0	12.0	PVC	Survey abandoned(15')-Rocks, Reverse-Hole with void(36'), Survey abandoned(37')-Broken	Dig Mainline - sent to city	12.5			\$ -							\$ -		\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW2636	NS6-13-5A	NS6-13-5AE	29.0	12.0	VCP	Missing mortar(8'), Med OS joint(12'), Lt MD at joints(16', 19')	None	5			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			
SW2637	NS6-13-5A	NS6-13-5ANW	68.0	12.0	VCP	Long. Crack(14', 20', 26', 50', 54'), Hinge Fracture(28'), Lt MD at select joints T/O	None	5.75			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			
SW2638	NS6-13-5ANE	Blind Tap	42.0	12.0	RCP	Large Angular Joint(7'), Lt MD at joints T/O	None	5			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			
SW2644	EH-32-15-1	EH-32-15S	30.0	12.0	RCP	Rebar projecting(21'-30')	None	6.75			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			
SW2655	NS6-15-2A	NS6-15-2ANE	62.0	12.0	PVC	MAT CHANGE @ 12' (VCP); MULT CRACKS @ 13'-24'; MAT CHANGE @ 24' (PVC), 42' (VCP); HINGE FRACTURES @ 43'-57'; MAT CHANGE @ 57' (RCP)		6			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			
SW2662	NS6-14-1A	NS6-14-1	51.0	12.0	VCP	Line in fair condition, H (9, 37)		7.5			\$ -	2						\$ 6,200.00		\$ -		\$ -		\$ -	\$ 6,200.00			
SW2667	NS6-13-1B	NS6-13-1BNW	65.0	12.0	VCP	Hinge Fracture 6'-12', 18'-22', 35'-39', Long. Crack(23', 27', 33'), Large OS joint(52'), Pipe size reduces to 10"(52")	Dig Mainline (52'-65') FCISSP	7.75	65		\$ 3,900.00							\$ -		\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 12,400.00			
SW2668	NS6-13-1B	NS6-13-1BW	52.0	12.0	VCP	Long. Crack(10', 20', 22', 33', 43', 45'), Hinge Fracture(14'-18', 24'-30'), Mult Crack(35', 37', 41'), Lt MD at select joints T/O	Dig Mainline	7.5			\$ -							\$ -		\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW2677	EH-32-3	EH-32-2	117.1	12.0	RCP	MWLS @ 88'; DAE @ 55'	NONE	5			\$ -							\$ -		\$ -		\$ -	\$ -	\$ -	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2679	EH-32-9	EH-32-8	495.0	42.0	RCP	Long. Crack(201', 333', 467'), Infiltration stains at joints T/O	None	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2680	EH-32-10	EH-32-9	408.0	42.0	RCP	Long. Crack(166'), Lt MD at joints T/O	None	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2681	EH-32-11	EH-32-10	408.0	42.0	RCP	Long. Crack(165', 189', 245', 302', 362'), Lt MD at joints T/O	None	6			\$	-						\$	-	\$	-	\$	-	\$	-			
SW2682	EH-32-12	EH-32-11	412.0	42.0	RCP	Long. Crack(9', 49'), Lt MD, Lt Infiltration and Intruding sealing rings present T/O	None	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2683	EH-32-13	EH-32-12	403.0	42.0	RCP	Long. Crack(41', 298'), Lt MD and Lt Infiltration at majority of joints T/O	None	6.9			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2684	CB	EH-32-13	240.0	42.0	RCP	Long. Crack(75'), Lt MD and Lt infiltration at joints T/O	None	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2685	B20-1	B20-2	184.0	18.0	RCP	Mult Fracture(32', 105'), Wall missing(122'), Long. Crack(137', 145', 162'), Lt MD at joints T/O	FCIPP	6.72	184	1	\$ 14,300.00								\$	-	\$	-	\$	-	\$	14,300.00		
SW2688	B21-6	B21-7	250.0	12.0	RCP	Med OS joints T/O, Lt H2S damage(46', 112'-250'), Hole(123'), Survey abandoned(250')-End of day	None	6.25			\$	-						\$	-	\$	-	\$	-	\$	-			
SW2689	B21-6	B21-5	41.4	12.0	VCP	FM/B/D @ 6'-13'; HVV @ 13'; JOM @ 37'; ID @ 9'. SURVEY ENDS 6' FROM MH DUE TO LR @ 41.4'	DIG UP AND REPLACE 0'-16'	11.25			\$	-						\$	-	\$	-	\$	-	\$	-			
SW2694	B21-2	B21-1	211.0	24.0	RCP	Long. Crack(99', 106'), Rebar projecting(167'), Lt MD at joints T/O	None	6.44			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2697	B19-3	B19-2	388.0	21.0	RCP	Long. Cracks T/O, Spiral Cracks and Fractures(17', 65', 97', 121', 170', 274', 354'), Lt MD at joints T/O	None	5.04			\$	-						\$	-	\$	-	\$	-	\$	-			
SW2698	B21-4	B21-3	365.0	18.0	RCP	Circ. Crack(3', 4'), Long. Cracks T/O, Hinge Fracture(50', 265', 299'), Lt MD and Lt Infiltration at joints T/O	None	5.98			\$	-						\$	-	\$	-	\$	-	\$	-			
SW2699	B21-5	B21-4	68.0	18.0	RCP	Sag(2'), Rebar projecting(34', 42', 58'), Long. Crack(48', 55', 60'), Lt MD at joints(10', 27', 51', 64')	None	6.24			\$	-						\$	-	\$	-	\$	-	\$	-			
SW2703	B19-1	B19	45.0	24.0	RCP	Large Angular joint(38'), Lt MD at joints T/O	None	5.75			\$	-						\$	-	\$	-	\$	-	\$	-			
SW2708	B17-1-2	B17-1	255.0	18.0	RCP	MH B17-1-1 does not exist, Rebar visible(43', 212'), Long. Crack(71'), Lt MD at joints T/O	FCIPP	6.93	255		\$ 19,125.00							\$	-	\$	-	\$	-	\$	-	\$ 19,125.00		
SW2710	B14-3WSW	B14-3N	26.0	12.0	RCP	Wall Missing(7')		10			\$	-						\$	-	\$	-	\$	-	\$	-			
SW2721	B19-1SW	B19-1NW	27.0	12.0	RCP	Spiral Fracture(13'), Circ. Fracture(20'), Lt Roots at joint(13')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-			
SW2722	B19-1	B19-1SW	34.0	12.0	RCP	Mult Fracture(14'), Size reduction to 4"(30')	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2726	NS6-12SW	NS6-12	34.0	12.0	VCP	Long. Crack(22'), Mult crack(33'), Lt Roots at joints(7')	None	6.25			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2758	B9-4	B9-3	341.0	24.0	RCP	Long. Crack(98', 145'), Wall Missing(138'), Spiral Crack(332'), Lt MD at joints T/O	None	7.84			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2759	B9-3	B9-2	303.0	24.0	RCP	Long. Crack(136'), Lt MD at joints T/O	None	5.6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2760	B9-2	B9-1	32.0	24.0	RCP	Long. Crack(27'), Lt MD at joints(8', 15')	None	5.6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2763	B11-0-2	B11-0-1	292.0	24.0	RCP	Spiral Fracture(65', 122'), Long. Crack(173'), Lt MD at joints T/O	None	6.21			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2764	B11-0-1	B11-0	260.0	24.0	RCP	Long. Crack(74', 178'), Spiral Fracture(105', 251'), Lt MD at select joints T/O	None	5.75			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2767	B14-1	B14	24.0	24.0	RCP	Joint angular(8', 16'), Sag(13')	None	5.29			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2771	B9-1-4	B9-1-3	282.0	18.0	RCP	Med OS joint(17', 22'), Sag(18'). Rebar visible(35', 63', 108')	None	5.04			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2774	B9-1-1	B9-1	31.0	18.0	RCP	Med Angular Joint(8'), Surface missing(12', 28')	Dig Mainline	9.62			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW2775	B7-9	B7-9A	301.0	18.0	RCP	Long. Cracks(9', 96', 113', 147', 171'), Lt MD at joints(194'-291')	None	5.2			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2782	B9-5	B9-4	345.0	15.0	RCP	Rebar projecting(43', 151'), Long. Crack(122', 230'), Lt MD at joints T/O	None	6.5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2785	B7-11	B7-9	406.0	12.0	RCP	Long. Crack(357'), MH B7-10 does not exist, Lt MD at joints T/O	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2787	B7-12	B7-11	189.0	12.0	RCP	Long. Crack(25', 38', 87', 183'), Lt MD at joints T/O	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2794	B12	B12-1NNW	14.0	12.0	RCP	Large separated joint(6'), Hole(6'), Broken(8'), Hole(11')	Dig Mainline	7.2			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW2810	B9-2NNW	B9-2WSW	35.0	12.0	RCP	Long. Crack(5', 15', 23', 27'), Spiral Fracture(21')	None	5.5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2811	B9-2NNW	B9-2	12.0	12.0	RCP	Mult Crack(5')	Dig Mainline	7.5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW2813	B9NE	B9SE	35.0	10.0	RCP	Sag(11'), Long. Crack(19', 28'), Med OS joint(32')	None	5.5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2814	B9-4SW	B9-4SE	32.0	12.0	RCP	Long. Cracks T/O, Mult Crack(11')	None	5.25			\$	-							\$	-	\$	-	\$	-	\$	-		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2823	B4-2-3-1NNE	BLIND TAP	38.0	10.0	VCP	Size increase to 12'(6'), Long, Crack(13'), Spiral Crack(34'), Wall missing(35'), Defective point repair(37')	Dig Mainline	6.4			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2825	B4-3	B4-2	111.0	42.0	RCP	LT Roots at joints(60', 64', 75'), Survey abandoned(75')-pipe size reduction to 18', Reverse Setup-Sag(18'), LT MD at joint(8'), LT Roots at joint(23'), Survey abandoned(36')-pipe size reduction to 18"	None	5			\$	-							\$	-	\$	-	\$	\$	-	\$	-	
SW2830	B4-2	B4-2-1	447.0	24.0	RCP	Med OS joint(20'), Sag(45', 82', 150'), LT MD at joints(16', 20', 29'), LT Roots at joints(129'-447')	None	5.75			\$	-						\$	-	\$	-	\$	\$	-	\$	-		
SW2836	B7-6	B7-5	103.0	18.0	RCP	Mult. Crack(60'), Long. Crack(69'), LT MD at joints(11', 19', 85')	10' SCIPP (59'-69')	6.3			\$	-	1					\$	4,000.00	\$	-	\$	\$	-	\$	-	\$ 4,000.00	
SW2852	B4-1	B4-1W	29.0	10.0	VCP	Survey abandoned(13')-Large OS, Survey abandoned(13')-Hole with soil visible	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2871	NS61-3S	NS61-3	26.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2873	NS61-3NW	NS61-3	57.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2876	E23-5	E23-5S	9.0	12.0	VCP	Long. Crack(7'), Mult Crack(8')	None	5			\$	-						\$	-	\$	-	\$	\$	-	\$	-		
SW2877	E23-5	E23-5W	27.0	12.0	VCP	Long. Crack(6', 11', 13'), Mult /Crack(9', 16', 20')	None	5			\$	-						\$	-	\$	-	\$	\$	-	\$	-		
SW2878	NS59-7A-3	NS59-7A-3W	38.0	12.0	VCP	Long. Crack(8', 10', 20', 22', 28'), Mult Crack(23'), LT MD at joints T/O	None	5			\$	-						\$	-	\$	-	\$	\$	-	\$	-		
SW2889	E23-B	E23-BSW		12.0	VCP	H @ 2' (CALLED OUT ON REPORT, NOT ON VIDEO); MSA @ 26' DUE TO COLLAPSE CAUSED BY LINE INTERSECTING SEWER. INFORMATION SENT TO CITY	DIG UP AT 26' TO FIX COLLAPSE	12.5			\$	-						\$	-	\$	-	\$	\$	-	\$	-		
SW2892	NS61-8SE	BLIND TAP	24.0	12.0	VCP	Long. Crack(8', 10', 11', 14', 20'), Med OS joint(8'-24'), LT MD at joints(12', 15')	None	5			\$	-					\$	-	\$	-	\$	\$	-	\$	-			
SW2893	NS61-8SW	NS61-8	39.0	12.0	VCP	Long. Crack(10', 11', 13', 25'), Large Separated joint(19')	None	6.25			\$	-						\$	-	\$	-	\$	\$	-	\$	-		
SW2898	E23-1NW	E23-1W	27.0	12.0	VCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2901	E23-1NE	BLIND TAP	26.0	12.0	VCP		Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2902	NS61-1-10SE	NS61-1-10	12.0	12.0	RCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2903	NS61-1-10SW	NS61-1-10	27.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW2904	NS59-6A	NS59-6ASW	55.0	12.0	VCP	Long. Crack(8', 51'), Mult Crack(21', 27', 29'), LT MD at joints T/O, Backflow preventer(53')	None	6.75			\$	-						\$	-	\$	-	\$	\$	-	\$	-		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS										
									LATERTALS			LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
									3	6	10	15	20	25	CUT PRO	RE	SUBTOTAL												
SW2909	NS61-1-9N	NS61-1-9	108.0	12.0	VCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2913	NS61-1-2SW	NS61-1-2	33.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2914	NS61-1	NS61-1SW	57.9	10.0	PVC/VCP	STARTS AS PVC, THEN MAT CHANGE @ 7' (VCP), 22' (PVC), 31' (VCP). LONG CRACKS @ 10'-18'; MULT CRACKS @ 20'; HOLE VOID VISIBLE INFL DRIPPER @ 48'; LARGE OFFSET/INFIL DRIPPER @ 58'	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2916	NS69-8	NS69-8NW	32.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2918	NS71-7	NS71-7W	25.0	12.0	VCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2919	NS71-8S	NS71-8SW	33.0	12.0	PVC		NONE	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -			
SW2920	NS71-11N	NS71-11	9.0	12.0	VCP		None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -			
SW2925	NS74-6	NS74-6SW	33.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2926	NS74-5SE	NS74-5	27.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2927	NS74-4S	NS74-4	11.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2928	NS74-4	NS74-4SW	26.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2929	NS74-3SE	NS74-3	42.0	12.0	VCP		Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2931	NS74-3	NS74-3W	60.0	12.0	VCP	Gas line(32')	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2932	NS74-3	NS74-3SW	35.0	12.0	VCP	Gas line (34')	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW2941	NS76-3	NS76-3NE	38.0	12.0	PVC		None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -			
SW2942	NS76-3	NS76-3NW	45.0	12.0	VCP		None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -			
SW2943	NS76-3	NS76-3W	50.0	12.0	VCP		None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -			
SW2946	NS76-8	NS76-8SW	30.0	12.0	VCP		None	5.2			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2949	NS76-5SW	NS76-5	50.0	12.0	VCP		None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2952	NS74-1	NS74-1SW	51.9	12.0	VCP	MULT CRACKS @ 24', 36', 39' PVC FROM 26'-28'; ALIGNMENT LEFT @ 31.4'	NONE	5.5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2955	NS76-3SW	NS76-3W	27.0	12.0	VCP		None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2956	NS69-7-1NW	NS69-7-1	42.0	12.0	VCP		Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2957	NS69-7-1N	NS69-7-1	10.0	12.0	VCP		Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2961	NS74-5SWW	NS74-5	44.0	12.0	VCP		Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2962	NS74-5NW	NS74-5	51.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2964	NS74-5E	NS74-5	38.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2969	NS76-7SW	NS76-7	48.0	12.0	VCP		None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2973	NS69-9NNW	NS69-9NNE	28.0	10.0	VCP		None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2974	NS68-9SW	BLIND TAP	30.0	12.0	VCP	Hinge and Mult Cracks T/O	Dig Mainline	6.6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2978	NS68-5	NS68-5SW	36.0	12.0	VCP	Long. Crack(9', 17', 31'), Spiral Fracture(20'), Lt Roots at select joints T/O	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2984	NS68-2	NS68-2SW	27.0	12.0	VCP	Long. Crack(11'), Hinge crack(15'), Mult crack(15')	Dig Mainline	6.6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2985	NS68-1S	NS68-1A	11.6	12.0	VCP	MED OFFSET JOINT @ 8': LARGE OFFSET JOINT/HOLE SOIL VISIBLE @ 10.6': ALIGNMENT LEFT @ 8'	Dig Mainline	10			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2986	NS68-1SW	BLIND TAP	10.0	12.0	VCP	PIPE THROUGH SEWER @ 10', SURVEY ABANDONED. REVERSAL NOT POSSIBLE AS DOWNSTREAM IS A BLIND TAP	Dig Mainline	12.5			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW2987	NS69-6	NS69-6NW	62.0	12.0	VCP	Large OS joint(1'), Hole(1'), Long. Crack(5', 7', 8', 36', 39'), Mult Crack(10', 41'-62'), Hinge Crack(48'), Lt Roots at joints(19'-30')	Dig Mainline	7.5			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW2988	NS69-6	NS69-6W	47.0	12.0	VCP	Mult Crack(19'), Med OS joint(24'). Lt Roots at select joints T/O. Size reduces to 10'(33'). Backflow preventer(39')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW2990	NS69-5	NS69-5SW	32.0	12.0	VCP	Long. Crack(7', 19'), Med OS joint(12', 18'), Mult Crack(16'-32')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW2993	NS69-3	NS69-3N	27.0	12.0	VCP	Long. Crack(7', 13', 14', 15'), Med OS joint(22'), Mult crack(23')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2994	NS69-3	NS69-3NW	39.0	12.0	VCP	Mult Cracks T/O, Lt MD at select joints T/O	Dig Mainline	7.5			\$	-								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00
SW2996	NS69-2	NS69-2SW	27.0	12.0	VCP	Mult Crack(6'), Med OS joint(21'), Size reduces to 10"(9')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW2998	NS67-1SW	NS67-1	34.5	12.0	VCP	HINGE FRACTURE (4') @ 6'-10', 20'-23'; MAT CHANGE FROM 10.5'-20.4' (RCP); ROOTS @ 6'	NONE	6.25			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3000	NS67-3-2	NS67-3-2W	6.0	12.0	VCP	Collapse(1')	Dig Mainline	10			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3002	NS67-7NW	Blind Tap	29.0	12.0	RCP	Long. Crack(9', 12', 13'), Hinge Crack(15'-29'), Lt Roots at joints T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3005	NS67-10	NS67-10NE	39.0	12.0	VCP	Mult Cracks T/O, Lt Roots at joints T/O, Size reduces to 4"(36")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3007	NS67-12	NS67-12W	20.0	12.0	VCP	Mult Crack(6'-20'), Lt MD at joints(7'-20'), Size reduced to 4'(17")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3008	NS67-13	NS67-13NE	12.0	12.0	VCP	Mult Cracks T/O, Size reduced to 4"(9')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3010	NS67-8-1A	NS67-8-1ANE	15.0	12.0	VCP	Mult Cracks(7'-15'), Lt MD at joints T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3013	NS69-1W	NS59-1A	13.6	12.0	RCP	MULT CRACKS @ 6'	NONE	7.5			\$	-						\$	-	\$	-	\$	-	\$	-			
SW3016	NS69-3	NS69-3SE	27.0	12.0	VCP	Med OS joint(7'), Hinge Crack(8'), Mult Crack(11'-27')	Dig Mainline	7.5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3018	NS68-3	NS68-3W	51.0	12.0	VCP	Long. And Mult cracks T/O	None	5			\$	-						\$	-	\$	-	\$	-	\$	-			
SW3022	NS69-6	NS69-6NE	58.0	12.0	VCP	Long. And Mult cracks T/O, Lt MD at joints T/O	None	6.25			\$	-						\$	-	\$	-	\$	-	\$	-			
SW3023	NS68-7	NS68-7W	44.0	12.0	VCP	Mult Crack(7'), Long. Crack(8', 19'), Med OS joint(30'), Lt Roots at joints(34', 37', 40')	None	5.2			\$	-					\$	-	\$	-	\$	-	\$	-	\$	-		
SW3027	NS68-8	NS68-8NW	30.0	12.0	VCP	Mult Cracks T/O, Long. Crack(12', 14', 16'), Lt MD and Lt Roots T/O	None	5			\$	-					\$	-	\$	-	\$	-	\$	-	\$	-		
SW3030	NS67-3	NS67-3S	23.0	12.0	VCP	Mult Crack(6'), Hinge Crack(7', 9'), Long. Crack(11')	Dig Mainline	6.4			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3037	NS67-7SW	NS67-7	55.0	12.0	VCP		Dig Mainline	8			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3038	NS67-9	NS67-9N	27.0	12.0	VCP	Long. Crack(9'), Mult Crack(9', 16', 21'), Lt Roots at joints T/O	None	5.6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3042	NS67-8-1BE	NS67-8-1BSW	63.0	8.0	VCP	Mult Crack(6', 10'-63'), Long. Crack(55', 57'), Lt MD at joints(16'-63')	None	5.2			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3043	NS67-8-1BE	NS67-8-1B	11.0	12.0	VCP	Mult Crack(7'), Size reduces to 4"(8')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3045	NS67-4-3	NS67-4-3NE	24.0	12.0	VCP	Mult Crack T/O	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3047	NS67-8-1	NS67-8-1NNW	62.0	12.0	VCP	Mult and Long. Cracks T/O, Hinge Crack(22'-30'), Lt Roots at select joints T/O, Size reduces to 8"(55')	Dig Mainline	7			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3052	NS67-8-3	NS67-8-3W	10.0	12.0	VCP	Long. And Mult Crack(9')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3053	NS67-8-3	NS67-8-3NW	29.0	12.0	VCP	Long. Crack(9', 19'), Hole(9'), Hinge Crack(22'-29')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3054	NS67-10AE	NS67-10ANE	51.0	12.0	VCP	Mult Cracks T/O, Lt to Med Roots at joints T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3057	NS59-7	NS59-7N	61.0	12.0	VCP	Mult Crack(6'-36'), Hinge Crack(16', 18'), Hinge Fracture(20', 22'-36'), Survey abandoned(36')-Broken with large void, Reverse-Long. Crack(19'), Survey abandoned(25')-point of previous progress	Dig Mainline (36'-42') Repaired during Toepfer R&R FCIPP	8	61		\$ 3,660.00								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 12,160.00	
SW3058	NS59-7	NS59-7NW	72.0	12.0	VCP	Mult Crack(5'-48', 53', 63', 64'), Hinge Fracture(34'-38')	FCIPP	6.2	72		\$ 4,320.00							\$	-	\$	-	\$	-	\$	-	\$ 4,320.00		
SW3063	NS59-7-2B	NS59-7-2BWSW	98.0	12.0	RCP	MEDIUM OFFSETS THROUGHOUT; GAS LINE BORETHROUGH @ 83', HOLES @ 83.2', MSA DUE TO GAS LINE	DIG UP AND REPLACE AT BORETHROUGH	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3084	NS59-7-0-2NW	NS59-7-0-2N	28.4	12.0	VCP	MULT CRACKS @ 12'	NONE	6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3087	NS64-1A	NS64-1SE	21.2	12.0	RCP	MAT CHANGE @ 12.4'-14.7' (VCP); SPIRAL CRACK @ 13'; MULT FRACTURE @ 19'	NONE	7.5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3090	NS48-5NE	NS48-5	49.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3091	NS48-5	NS48-5NNW	50.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3093	NS48-5W	NS48-5	53.0	12.0	VCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3094	NS48-5SW	NS48-5	35.0	12.0	VCP		None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3107	NS53-6NW	NS53-6	17.0	12.0	VCP		Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3108	NS53-6SW	NS53-6	28.0	12.0	VCP		Dig Mainline	6.6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3111	NS53-8NW	NS53-8	29.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3112	NS53-6E	BLIND TAP	34.0	12.0	VCP		None	6			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3114	NS46-6SW	NS46-6	32.0	12.0	VCP	Gas line - sent to consumers	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3117	NS43-5NW	NS43-5	53.0	12.0	VCP		Dig Mainline	6.6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3121	NS43-2SW	NS43-2	30.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3122	NS43-2ASW	BLIND TAP	25.0	12.0	VCP		Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3133	NS48-3SE	NS48-3	25.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3136	NS48-3NW	NS48-3SW	27.0	12.0	VCP		Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3137	NS48-3SW	NS48-3	48.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3140	NS46-3NW	NS46-3SW	23.0	12.0	VCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3141	NS46-3SW	NS46-3	52.0	12.0	VCP		Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3155	E23-1-2SW	E23-1-2	37.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3157	NS53-5NW	NS53-5	53.0	12.0	VCP	Utility thru sewer(26')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3160	E23-1-2-NW	E23-1-2-N	102.0	12.0	VCP		FCIPP	5	102		\$ 6,120.00							\$	-	\$	-		\$	-	\$	-	\$ 6,120.00	
SW3163	NS46-6N	NS46-6	148.0	12.0	VCP	Gas line - sent to consumers	Dig Mainline (59'-65')	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3167	NS40-4	NS40-4SW	27.0	10.0	VCP	Hinge Fracture(6'-10') Mult Crack(12', 15'), Long. Cracks T/O	Dig Mainline	6.6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3171	NS37-7	NS37-7W	29.0	12.0	VCP	Hinge Fracture(5'), Mult Crack(13', 18', 21'), Long. Crack(11', 16', 17")	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3172	NS37-6	NS37-6SW	36.0	12.0	RCP	Long, Crack(12', 18', 20'), Hinge Crack(22', 25'), Mult crack(23')	Dig Mainline	6.4			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3173	NS37-5NW	NS37-5W	28.0	12.0	VCP	Mult Crack T/O, Med Roots(21', 24', 25')		6			\$	-							\$	-	\$	-		\$	-	\$	-	
SW3174	NS37-5	NS37-5NW	58.0	12.0	VCP	Mult crack(20', 30', 37') Survey abandoned(48")-roots, Reverse Setup-Survey abandoned(10")-roots	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3175	NS37-5	NS37-5NNW	51.0	12.0	RCP	Hinge Crack(6'-16'), Mult Crack(17'-51'), Lt MD at joints T/O, Lt Roots(36', 38', 40', 48')	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3177	NS37-5E	NS37-5NE	28.0	12.0	VCP	Mult Crack(6', 15', 18'), Lt MD at joints T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3179	NS37-4	NS37-4SW	30.0	12.0	VCP	Hinge cracks and mult cracks T/O, Lt MD at joints T/O, Pipe reduces to 10"(26")	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3180	NS37-3	NS37-3NNW	58.0	12.0	VCP	Mult Crack(11'-58'), Long, Crack(12', 14', 16', 18', 32', 56')	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3182	NS37-3	NS37-3W	47.0	12.0	VCP	Mult Crack T/O, Long, Crack(9'-38'), Lt MD at joints T/O, Size reduced to 4"(44")	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3183	NS37-3	NS37-3SSW	32.0	12.0	VCP	Mult Crack(6', 7'-32'), Long, Crack(10', 16')	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3184	NS37-3	NS37-3E	24.0	12.0	VCP	Hinge Crack(5'), Mult Crack(9'-15'), Size reduces to 4"(23')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3185	NS37-2	NS37-2SW	28.0	12.0	VCP	Mult Crack(8', 10', 16'), Long, Crack(9', 19'), Lt Md at joints T/O	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3186	NS33-7	NS33-7SW	24.0	12.0	VCP	Mult cracks and long cracks T/O, Lt MD at joints(7'-24')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3197	NS31-6	NS31-6W	50.0	12.0	VCP	Long, Fracture(11'), Broken (19'), Hole(20')	Dig Mainline	7.8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3198	NS31-6	NS31-6NW	30.0	12.0	VCP	Mult crack T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3202	NS28-2	NS28-2SW	30.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3208	NS40-6	NS40-6N	106.0	12.0	VCP	Mult and Long, Cracks T/O, Lt MD at joints T/O	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3210	NS28-6SW	NS28-6S	29.0	12.0	VCP		None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3214	NS43-2S	NS43-2	19.0	12.0	VCP		None	5			\$	-						\$	-	\$	-		\$	-	\$	-		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3221	NS40-3	NS40-3SW	50.0	12.0	VCP	Mult cracks T/O, Size changes to 4"(47"), backflow preventer(48")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3223	NS40-3	NS40-3S	20.0	12.0	VCP	Long. And Mult Cracks T/O, Hinge Crack(17")	Dig Mainline	7			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3229	NS33-3SW	NS33-3NW	26.0	12.0	VCP	Mult Crack(9'-19'), Lt MD at joints(6'-19')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3231	NS33-3	NS33-3NNW	55.0	12.0	VCP	Long. Cracks T/O, Mult crack(22', 32'), Hinge Crack(44")	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3234	NS31-4SW	NS31-4NW	28.0	12.0	VCP	Long. Crack(13', 15'), Mult Crack(13', 15', 19'), Lt Roots at select joints T/O	None	5.2			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3235	NS31-4	NS31-4SW	51.0	12.0	VCP	Long. Crack(6', 20', 24', 30'), Mult.Crack(7'-51'), Hinge Crack(7'). Size reduces to 4"(49")	Dig Mainline	7.4			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3237	NS31-4	NS31-4N	44.0	12.0	PVC	Spiral Fracture(11'), Lt Roots at joint(38')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3238	NS31-4	NS31-4SSW	34.0	12.0	VCP	Hinge Fracture(10', 12'-28'), Mult Crack(11', 16'-28'), Lt Roots at joints T/O, Backflow preventer(32')	Dig Mainline	8			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3241	NS28-4W	NS28-4	56.0	12.0	VCP	Backflow preventer	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3242	NS28-4NNW	NS28-4	57.0	12.0	VCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3243	NS28-4SW	NS28-4	33.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3244	NS37-7	NS37-7SW	61.0	12.0	RCP	Long. Crack(14'), MedOS joint(17'), Broken(38'), Mult Crack(51'), Lt MD at select joints T/O	Dig Mainline	7.5			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3246	NS28-5SW	NS28-5	27.0	12.0	VCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3247	NS33-4	NS33-4SW	31.0	12.0	VCP	Mult, Long. And Hinge Cracking T/O	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3248	NS31-6	NS31-6NE	50.0	12.0	VCP	Mult crack T/O, Size reduces to 4"(48")	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3249	NS31-6	NS31-6NNW	58.0	12.0	VCP	Hinge Crack(7', 10', 24', 45', 47'), Broken(46'), Collapse(46'), Hole(47'), Mult Crack(8', 10', 15', 18'-58')	Dig Mainline	8			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3256	NS25-6	NS25-6W	55.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3261	NS23-4	NS23-4SW	24.0	12.0	VCP	Hinge Cracks(8', 11', 13'-24'), Heavy Roots at joints(20')	Dig Mainline	10			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS										
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
									3	6	10	15	20	25	CUT PRO	RE													
SW3262	NS23-5	NS23-5S	16.0	12.0	VCP	Large OS joint and collapse(1')	Dig Mainline	8			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW3263	NS23-5	NS23-5SW	29.0	12.0	VCP	Mult and long. Cracks T/O	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$		
SW3264	NS23-5W	NS23-5	51.0	12.0	VCP	Mult and long. Cracks T/O	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$		
SW3266	NS23-5	NS23-5NNW	60.0	12.0	VCP	Hinge and Mult cracks T/O, Lt MD at joints T/O	Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3267	NS20-5	NS20-5SW	30.0	12.0	VCP	Long. Crack(9', 18'-30'), Mult Crack(9'-30'), Size reduces to 10'(23')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$			
SW3268	NS20-5	NS20-5W	52.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$		
SW3269	NS20-5NNW	NS20-5	49.0	12.0	VCP	Hinge Crack(7', 12'), Mult Crack(10', 16', 18'-49'), Broken(49')	Dig Mainline (41'-49')	10			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3270	NS20-5	NS20-5E	34.0	12.0	VCP	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$			
SW3271	NS20-2	NS20-2SW	32.0	12.0	VCP	Lt MD and Mult Cracks T/O, Hinge Crack(29'), Long. Crack(17', 18', 19')	None	5.6			\$	-						\$	-	\$	-	\$	-	\$	-	\$			
SW3272	NS18-2	NS18-2SW	32.0	12.0	VCP	Long. Crack(26', 31'), Hinge Crack(27'), Mult Crack(27'), Med Roots at joint(19')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3273	NS18-5	NS18-5SW	37.0	12.0	PVC	Hinge Crack(8'-21'), Mult cracks(8'-37'), Lt MD at joints T/O	Dig Mainline	6.6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3274	NS18-5	NS18-5NNW	60.0	12.0	VCP	Mult Cracks T/O, Hinge Crack(9', 11'-24'), Long. Cracks(25'-50'), Lt MD at joints T/O	Dig Mainline	6.6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3276	NS6-11-2-2	NS6-11-2-2W	32.0	12.0	VCP	Spiral Fracture(1'), Long. Crack(19', 22'), Lt MD at joints T/O	None	5.4			\$	-						\$	-	\$	-	\$	-	\$	-	\$			
SW3277	NS18-3	NS18-3W	56.0	12.0	VCP	Mult crack(16', 22'), Hinge Crack(22'), Long. Crack(26'-56'), Med Roots at joints(28'-56'), Size reduces to 4"(53")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3278	NS18-3	NS18-3NW	61.0	12.0	VCP	Hinge Crack(6', 56'), Mult Crack T/O, Long. Crack(15', 38')	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3284	NS15-3	NS15-3NNW	54.0	12.0	VCP	Hinge Cracks T/O, Mult Cracks(10', 13'-54'), Hwy Roots in line(47', 48')	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3285	NS15-2	NS15-2SW	32.0	12.0	VCP	Hinge Fracture(5', 14'-19'), Long. Crack(23')	Dig Mainline	8.6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3288	NS23-1A-ANE	NS23-1A-A	27.8	12.0	RCP	LONG CRACKS @ 9', 15'; BROKEN VOID VISIBLE @ 25'	Dig Mainline	8.75			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3289	NS23-1A-ANW	NS23-1A-A	28.4	12.0	RCP	LONG CRACK @ 20'; BROKEN SOIL VISIBLE @ 22'	Dig Mainline	7			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3297	NS20-4	NS20-4SW	28.0	12.0	VCP	Mult Cracks T/O, Long. Crack(13', 16', 23'), Lt MD atj joints T/O	None	5.4			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW3298	NS18-4	NS18-4SW	36.0	12.0	VCP	Mult and long. Cracks T/O	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW3299	NS18-3ESSW	Blind Tap	38.0	12.0	VCP	Long. And Mult cracks T/O	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW3301	NS20-3	NS20-3E	35.0	12.0	VCP	Mult Cracks(9', 10', 11'), Size reduces to 4"(31')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3302	NS20-3	NS20-3W	51.0	12.0	VCP	Med OS joint(7', 23'), Mult Crack(11', 12'-51'), Hinge Crack(19'), Long. Crack(23')	None	5.2			\$	-					\$	-	\$	-	\$	-	\$	-	\$ -			
SW3303	NS20-3N	NS20-3	42.0	12.0	VCP	Mult Cracks T/O, Lt MD at joints T/O	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3304	NS20-3W	NS20-3NW	27.0	12.0	VCP	Mult Crack(6'), Spiral Crack(24')	None	5			\$	-					\$	-	\$	-	\$	-	\$	-	\$ -			
SW3305	NS20-3SW	Blind Tap	39.0	12.0	VCP	Mult cracks T/O, Long. Crack(7', 9', 21', 32'), Large OS joint(11') Utility thru sewer(37')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3306	NS20-3	NS20-3S	130.0	12.0	VCP	Long. And Mult Cracks T/O, Hole with void(130'), Survey abandoned(130')-Utility line thru sewer	Dig Mainline(130'-?) - sent of city FCIIPP	10	130		\$ 7,800.00						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 16,300.00			
SW3308	NS23-3	NS23-3SW	51.0	12.0	VCP		Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3309	NS23-3SW	NS23-3NW	27.0	12.0	VCP		Dig Mainline	5			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3310	NS23-3	NS23-3S	13.0	12.0	VCP		Dig Mainline	5.4			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3311	NS23-3SSW	Blind Tap	28.0	12.0	VCP	Mult Crack(9')	None	6			\$	-					\$	-	\$	-	\$	-	\$	-	\$ -			
SW3316	NS25-4	NS25-4SW	50.0	12.0	VCP		None	5			\$	-					\$	-	\$	-	\$	-	\$	-	\$ -			
SW3321	NS20-6	NS20-6SW	28.0	12.0	VCP	Long. Crack(5', 17'), Hinge Crack(14'), Defective Point repair(18')	Dig Mainline	8			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3322	NS15-1	NS15-1SW	33.0	12.0	VCP	SURFACE MISSING WALL @ 26'; HINGE FRAC (4) @ 26'-28'	Dig Mainline	8			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3328	NS28-4S	NS28-4	23.0	12.0	VCP	Utility thru sewer(15')	Dig Mainline- sent to consumers	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3330	NS15-3	NS15-3SW	48.0	12.0	VCP	Hinge Cracks(6'-17'), Mult Cracks T/O, Lt MD at joints T/O, Size reduces to 4"(45')	Dig Mainline	8			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3331	NS20-5E	NS20-5NE	26.0	12.0	VCP	Mult Crack(12'-26'), Long. Crack(15'), Lt MD at joints T/O	None	5.6			\$	-							\$	-	\$	-	\$	-	\$	-	\$ -	
SW3332	NS20-5NW	Bulkhead (NW)	23.0	12.0	VCP	Mult Crack(16'), Line ends at bulkhead(23')	None	6			\$	-							\$	-	\$	-	\$	-	\$	-	\$ -	
SW3333	NS25-6NW	NS25-6W	27.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3334	NS25-7SW	NS25-7S	26.0	12.0	RCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3335	NS25-7S	NS25-7	27.0	12.0	RCP		Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3336	NS15-3S	BLIND TAP	43.0	12.0	VCP	Long. Crack(7'-38'), Broken with hole with Gas line thru sewer(37')	Dig Mainline	7			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3337	NS6-11-4A	NS6-11-4ASW	40.0	12.0	RCP	Size reduction to 10'(19'), Hoel with void(36'), Long. Crack(39'), Lt MD at joints T/O	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3338	NS6-11-2	NS6-11-2NW	19.0	10.0	RCP	BROKEN/COLLAPSE @ 16'; MAT CHANGE @ 16'(VCP); HINGE FRACTURE (4) @ 16'-END OF LINE	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3339	NS6-11-2	NS6-11-2NE	12.0	10.0	RCP	MULT CRACK @ 9'; VCP TRAP AT CB	NONE	6			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW3340	NS6-11-5A	NS6-11-5ASW	45.0	12.0	RCP	Med OS joint T/O, Lt H2S damage(17'-34'), Lt MD at joints(11', 12', 14', 15', 17', 19', 24')	None	5.75			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW3343	NS6-11-4	NS6-11-4S	18.0	12.0	RCP	Mult Crack(14'), Lt MD at joint(9'), Lt Roots at joint(12')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3344	NS6-11-4	NS6-11-4SW	33.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW3347	NS20-3NNW	Blind Tap	35.0	12.0	VCP	Mult Cracks T/O, Long. Cracks(12', 14', 17', 21'), Hinge Crack(25', 28', 31')	Dig Mainline	6.2			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3355	NS3-6A	BLIND TAP	98.0	12.0	RCP	Mult Cracks T/O, Broken(61')	Build MH (98') FCIPP	6	98		\$ 5,880.00							\$	-	1	\$ 6,000.00		\$	-	\$	-	\$ 11,880.00	
SW3361	EH-33A	EH-33AW	103.0	12.0	VCP	Mult and Long. Cracks T/O, Size reduces to 3"(103')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW3363	NS6-3-2ANE	NS6-3-2ASE	27.0	12.0	VCP	FIRST 10' IS PVC, THEN VCP FOR REST OF LINE; LONG CRACK @ 10'; MULT CRACKS @ 23'; HEAVY ROOTS FROM 16'-23'	NONE	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW3364	NS6-3-2A	NS6-3-2ANE	19.0	12.0	VCP	MULT CRACK @ 6', LONG CRACK @ 7'; MAT CHANGE @ 9' (PVC)	NONE	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS										
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
									3	6	10	15	20	25	CUT PRO	RE													
SW3365	NS6-3-2A	NS6-3-2B	58.0	12.0	VCP	LONG CRACKS THROUGHOUT; MAT CHANGE @ 42' (PVC), 48' (VCP); LARGE OFFSET/MULTI FRACTURES/DEFORMATION @ 48'; HINGE FRACTURE (4) @ 48'-53'	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3370	NS14-2	NS14-2SW	41.0	12.0	VCP	MULT CRACKS THROUGHOUT	NONE	5			\$	-							\$	-	\$	-		\$	-	\$	-		
SW3372	NS14-1ANW	BLIND TAP SW3373	30.0	10.0	RCP	PVC FOR FIRST 5'; LARGE OFFSET JOINT/HOLE SOIL VISIBLE/ALIGNMENT DOWN @ 26'	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3373	NS14-1A	NS14-1AE	22.0	12.0	RCP	LONG CRACK @ 10'; SPIRAL CRACK @ 12'; MULT RACTURE @ 19'	NONE	5			\$	-							\$	-	\$	-		\$	-	\$	-		
SW3383	NS6-1-4A	NS6-1-4	139.0	12.0	VCP	LONG FRACTURE @ 7'; HINGE CRACKING @ 9'-33'; ALIGNMENT LEFT @ 33'; MSA DUE TO ALIGNMENT CHANGE; REVERSAL; LONG HINGE CRACKING THROUGHOUT; REACHED POINT OF PREVIOUS INSPECTION	FCIPP	7	139		\$ 8,340.00								\$	-	\$	-		\$	-	\$	-	\$ 8,340.00	
SW3385	NS6-2-3A	NS6-2-3	133.0	12.0	VCP	SIZE CHANGE @ 7.5' (10') PIPE INSERTED INTO LINE TO "FIX" PREVIOUS BREAK; BROKEN SOIL VISIBLE; PLACE MISSING @ 10' @ 8'. MSA DUE TO BROKEN SECTION; REVERSAL; PVC TO START LINE; MAT CHANGE @ 17' (VCP); LONG/MULTI CRACKS 33'-64';	DIG UP AND REPLACE FROM NS6-2-3A-20'	10			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3386	NS6-3-2A	NS6-3-2	132.0	12.0	VCP	LONG CRACKS THROUGHOUT; MULT CRACKS @ 46'-END OF LINE; HINGE FRACTURE (4) @ 40', 45', 48'-72'; TAP FACTORY @ 48'(12), 60'(9)	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3387	NS6-5-2A	NS6-5-2	115.0	12.0	VCP	LONG CRACKS THROUHGOUT	FCIPP	5.2	115	4	\$ 8,900.00							\$	-	\$	-		\$	-	\$	-	\$ 8,900.00		
SW3388	NS6-6-2A	NS6-6-2	134.0	12.0	RCP	Line in fair condition, CH4 (39-61)		10			\$	-					1		\$ 3,500.00	\$	-	\$	-	\$	-	\$	-	\$ 3,500.00	
SW3400	NS6-1-4A	NS6-1-4AW	60.0	12.0	VCP	LONG CRACKS @ 5', 51'-53'; BROKEN SOIL VISIBLE @ 48'. TRAP AT CB	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3401	NS6-1-4A	NS6-1-4ASW	62.0	12.0	VCP	HINGE CRACKING @ 44'-END OF LINE; HEAVY ROOTS AT CB	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3405	NS14-6	NS14-6SW	25.0	12.0	VCP	MULT CRACKS THROUGHOUT	NONE	6.6			\$	-						\$	-	\$	-		\$	-	\$	-			
SW3412	NS6-2-1A	NS6-2-1ASW	57.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$	-						\$	-	\$	-		\$	-	\$	-			
SW3415	NS6-2-3A	NS6-2-3AW	56.0	12.0	VCP	MULT FRACTURES THROUGHOUT; HINGE FRACTURE (4) @ 35'-38'; HEAVY ROOTS @ 42'; CAMERA CANNOT PASS. LINE NOT FINISHED	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3416	NS6-2-3A	NS6-2-3ASW	60.0	12.0	VCP	MULT CRACKS/FRACTURES THROUGHOUT; HINGE FRACTURE (4) @ 46'-END OF LINE; 4" PVC PIPE INSERTED INTO END OF LINE	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3430	NS15-1	NS15-1S	16.0	12.0	VCP	MULT FRACTURES THROUGHOUT; HINGE FRAC (4) @ 6'; VCP TRAP AT CB	Dig Mainline	6.6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3432	NS6-11	NS6-11SW	56.0	12.0	RCP	BROKEN @ 6, 13'; LONG CRACKS @ 13'-19'; SPIRAL FRACTURE @ 43'	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3447	NS3-4	NS3-4-1	95.0	12.0	VCP	LONG CRACKS THROUGHOUT; HINGE CRACKING @ 6'-21', 42'; TRAP AT US MH	NONE	5.6			\$	-						\$	-	\$	-		\$	-	\$	-			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3462	NS3-1-7	NS3-1-7SE	8.0	12.0	VCP	Mult Crack(5), Pipe reduces to 4"(7")	Dig Mainline	6			\$	-							\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3463	NS3-1-7SE	NS3-1-7NE	28.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6			\$	-							\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3465	NS3-5B	NS3-5BSW	8.0	12.0	VCP	Mult Crack(6), Size reduces to 3"(8")	Dig Mainline	6			\$	-							\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3469	NS2-7-2ASSW	NS2-7-2A	142.0	10.0	VCP	Mult and Long. Cracks T/O, Size increases to 12"(6")	None	5			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3471	NS6-1-2	NS6-1-2AN	101.0	12.0	VCP	Long. And Mult Cracks T/O, L1 MD at joints T/O	None	5			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3472	NS6-2-1	NS6-2-1AN	98.0	12.0	VCP	Long. And Mult Cracks T/O, L1 MD adjoints T/O	None	5			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3492	NS2-7-2-1W	NS2-7-2-1NW	26.0	12.0	VCP	MULT CRACKS @ 9'-17"; HEAVY ROOTS @ 21'		6			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3493	NS2-7-2-1	NS2-7-2-1W	47.0	12.0	VCP	LINE FULL OF ROOTS AT BEGINNING, TRAP ON UPSTREAM CB; LINE CANNOT BE COMPLETED	Dig Mainline	10			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3504	NS3-1-5AN	NS3-1-5ANNW	27.0	12.0	VCP	MULT CRACKS @ 11'-END OF LINE	NONE	5.6			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3505	NS3-1-5A	NS3-1-5AN	37.0	12.0	VCP	MULT CRACKS THROUGHOUT; HINGE CRACKING (4) @ 9'-28'; RESTRICTED TO 4" AT CB	NONE	7.6			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3507	NS3-1-5A	NS3-1-5ASW	62.0	12.0	VCP	MULT CRACKS THROUGHOUT; REDUCED TO 4" AT CB	NONE	5.6			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3509	NS3-1-ASE	NS3-1AE	31.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	6			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3511	NS3-1-ASSE	NS3-1ASSW	27.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	6			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3512	NS3-1A	NS3-1ASSE	43.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	5.6			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3513	NS3-1ASW	NS3-1ANW	26.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS THROUGHOUT	NONE	6			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3514	NS3-1ASW	NS3-1A	47.0	12.0	VCP	MULT CRACKS THROUGHOUT; REDUCED TO 4" AT CB	NONE	5.6			\$	-							\$	-	\$	\$	\$	\$	\$			
SW3522	NS6-2-1A	NS6-2-1AN	33.0	12.0	VCP	Broken(13')	Dig Mainline	10			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3524	NS3-1N	NS3-1NE	28.0	12.0	VCP	MULT CRACKS THROUGHOUT; SAG @ 13'; LARGE OFFSET @ 16'; MSA DUE TO OFFSET. REVERSAL: REACHED POINT OF PREVIOUS INSPECTION, LINE COMPLETE	Dig Mainline	9			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3527	NS3-1A	NS3-1ANE	23.0	12.0	VCP	MULT CRACKS THROUGHOUT; REDUCED TO 4" AT CB	NONE	5.2			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3530	NS2-5-1A	NS2-5-1ANW	31.0	12.0	VCP	MULT CRACK @ 30'	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3531	NS2-3-3NE	BLIND TAP	38.0	12.0	VCP	LONG CRACKS @ 21'-28"	NONE	6.6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3534	NS2-3-3	NS2-3-3N	33.0	12.0	VCP	MULT CRACK @ 8'-END OF LINE	NONE	5.2			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3536	NS2-3-3	NS2-3-2	36.0	12.0	VCP	MULT CRACK @ 13'-END OF LINE	REPLACE MH NS2-3-2; AT LEAST REPLACE CHIMNEY AND INSTALL BENCH AND CHANNEL	10			\$	-							\$	-	1	\$ 6,000.00		\$	-	\$	-	\$ 6,000.00
SW3539	NS2-8-2ASE	BLIND TIE	21.0	12.0	VCP	MULT CRACKS @ 9'-END OF LINE	NONE	5.4			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3540	NS2-8-2A	NS2-8-2ANE	31.0	12.0	VCP	MULT CRACKS @ 17'-END OF LINE	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3544	NS2-6BE	NS2-6BSE	26.0	12.0	VCP	MULT CRACKS @ 8'-END OF LINE	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3550	EH-25NW	EH-25S	27.0	12.0	VCP	CH3 @ 8'-11'; DAE THROUGHOUT	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3559	NS2-3-1	NS2-3-1S	23.0	12.0	VCP	MULT CRACKS @ 15'; TRAP AT CB	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3561	NS2-4-1	NS2-4-1SE	24.0	12.0	VCP	MULT CRACKS @ 13'	NONE	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3578	NN70-2-1S	NN70-2-1SW	27.0	12.0	VCP	Mult Crack(7', 10')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3582	NN66-6B	NN66-6BN	28.0	12.0	VCP	Long. Crack(2'), Mult Crack(17', 19', 21'), Size change to 10"(25'), Size change to 12"(27')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3583	NN66-6A	NN66-6ANW	56.0	12.0	VCP	Mult Crack(10', 35'), Size reduction to 10"(54'), Size change to 12"(55')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3587	NN66-6	NN66-6NE	51.0	12.0	VCP	Long. Crack(9'), Mult Crack(12', 21', 24'), Size reduced to 8"(51')	None	5.6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3589	NN66-6	NN66-6NW	39.0	12.0	VCP	Mult Cracks(24', 33', 35'), Size reduces to 10"(36')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3590	NN66-6	NN66-6W	38.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3592	NN66-7A	NN66-7ANW	59.0	12.0	VCP	Mult Cracks T/O, Lt MD at joint(42')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3593	NN66-7A	NN66-7ASW	36.0	12.0	VCP	Mult Cracks(6'-27', 34')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3596	NN66-8A	NN66-8AN	48.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3600	NN70-1-7	NN70-1-7NW	37.0	12.0	RCP	Spiral Crack(11'), Size reduction to 8"(36")	None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW3601	NN70-1-6NW	NN70-1-6N	37.0	12.0	RCP	Long. Crack(15'), Spiral Crack(22')	None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW3603	NN70-1-5	NN70-1-5N	45.0	12.0	RCP	Long. Crack(10', 34'), Size reduction to 8"(44")	None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW3608	NN70-1-4	NN70-1-4W	52.0	12.0	RCP	Long. Crack(11', 23'), Brick in line(51), Size reduction to 8"(51")	None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW3611	NN70-1N	NN70-1	39.0	12.0	RCP	Long. Crack(18', 32')	None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW3612	NN70-1W	NN70-1	76.0	12.0	RCP	Long. Crack(12', 17', 56'), Mult Crack(45'), Lt MD at joints(18', 36')	None	5.75			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW3620	NN66-5B	NN66-5BW	13.0	12.0	VCP	Mult Crack(9')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3621	NN66-5B	NN66-5BN	28.0	12.0	VCP	Mult crack(10', 15', 16', 20')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3622	NN70-2-3	NN70-2-3SW	52.0	12.0	RCP	Mult Fracture(14'), Mult Crack(16', 42'-52'), Long. Fracture(19'), Lt Roots at joints T/O, Pipe size reduction to 3'(52")	Dig Mainline	6.4			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3623	NN70-2-3B	NN70-2-3BSE	50.0	12.0	VCP	Mult Cracks(14'-50'), Pipe size reduction to 6"(50")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3626	NN70-2NE	NN70-2	20.0	12.0	RCP	Mult Crack(8'-14'), Broken(17'), Long. Crack(18')	Dig Mainline	8.25			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3627	NN66-5A	NN66-5ANE	23.0	12.0	VCP	Survey abandoned(23')-broken pipe	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3628	NN66-5A	NN66-5AN	57.0	12.0	VCP	Broken(23'), Long. Crack(32', 46', 49'), Mult Crack(34'-46', 50', 52'), Survey abandoned(57')-Collapse	Sent collapse to city(5-23/17), Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3629	NN66-5A	NN66-5ANW	24.0	12.0	VCP	Mult Crack(6'-24'), Long. Fracture(17'), Broken(23')	Dig Mainline	7			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3630	NN66-5A	NN66-5AW	51.0	12.0	VCP	Mult Crack T/O, Lt Roots at joints(39', 47'), Hwy Roots at joint(50'), Size reduction to 10"(50")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3631	NN66-1-6	NN66-1-6NW	29.0	12.0	VCP	Mult Crack(14', 19', 22', 23'), Alignment up(28')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3642	NN66-1-1	NN66-1-1W	51.2	12.0	VCP	MULTIPLE CRACKS @ 9'; MATERIAL CHANGE @ 30' (RCP); VCP TRAP @ CB	NONE	6.25			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3649	NN66-8	NN66-8NW	40.0	12.0	VCP	Mult Crack(27', 29', 31'), Lt Roots at joints T/O	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3654	NN66-8	NN66-8SW	33.0	12.0	VCP	Long. Crack(11', 20'), Mult Crack(13', 23')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW3655	NN66-7	NN66-7SW	25.0	12.0	VCP	Survey abandoned(24')-Collapse, Reverse-Survey abandoned(1')-Roots	Dig Mainline -sent to city	10			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3656	NN66-7	NN66-7NW	41.0	12.0	VCP	Mult Crack(8'), Lt Roots at joints(31', 37') Size reduces to 8'(39')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3659	NN66-5	NN66-5NW	40.0	12.0	VCP	Mult Crack(16'-37'), Long Crack(38')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3666	NN66-4	NN66-4NW	140.0	12.0	VCP	Hinge Crack(10'), Mult Cracks and Med OS joints T/O, Size reduction to 3'(140')	Dig Mainline (140'-142') FCiPP	6	140		\$	8,400.00							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 16,900.00	
SW3668	NN66-3	NM66-3NE	51.0	12.0	VCP	Mult Crack(28'), Lt Roots at joints(36'-51')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3669	NN66-3	NN66-3N	52.0	12.0	VCP	Med OS joint(6'), Hole(9'), Long. Crack(13'), Mult Crack(22'), Broken at repair(32')	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3671	NN66-3	NN66-3W	39.0	12.0	VCP	Survey abandoned(1')-Large OS	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3673	NN66-3SE	NN66-3	37.0	10.0	VCP	Large OS joint with soil visible(37'), Med MD at joint(8'), Lt Roots at joint(37')	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3691	NN66-8-1	NN66-8-1S	7.0	12.0	VCP	MULT CRACKS @ 5'; DEPOSITS COMPACTED @ 5'; MATERIAL CHANGE TO RCP AT END OF LINE, LOOKS OFFSET	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3692	NN66-8-1	NN66-8-1NE	22.0	12.0	VCP	CH4 @ 5'-7', 15'; MATERIAL/SIZE CHANGE @ 8' (PVC, 8'). CANNOT TELL IF THERE IS A TRAP DUE TO SIZE CHANGE	NONE	7.4			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3693	NN66-8-2NW	NN66-8-2	50.0	12.0	VCP			5.4			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3694	NN66-8-2	NN66-8-2W	42.0	12.0	VCP	MULT CRACKS THROUGHOUT; MATERIAL CHANGE @ 26' (RPM), 37' (PVC); CAMERA CANNOT PASS PVC SECTION	NONE	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3695	NN66-8-2	NN66-8-2NE	55.0	12.0	VCP	MULT CRACKS THROUGHOUT; TAP ROOTS @ 9', 31', 35', 50'; HEAVY ROOTS @ 50'; TRAP AT CB	NONE	5.2			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3696	NN66-8-2	NN66-8-2N	60.0	12.0	VCP	MULT CRACKS @ THROUGHOUT; LONG CRACKS @ 11'-17'; OFFSET JOINT WITH ALIGNMENT RIGHT (45%) @ 53'; CB 8' AHEAD, TRAP AT CB	NONE	5.2			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3697	NN66-9-1	NN66-9-1SW	9.0	12.0	VCP	MULT CRACKS; RESTRICTED/TRAPPED TO 4" AT CB	NONE	6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3699	NN66-9-1-1	NN66-9-1-NW	51.0	12.0	VCP	MULT CRACKS THROUGHOUT; MATERIAL CHANGE @ 43'(ROP); HEAVY ROOTS @ 44'; CAMERA CANNOT PASS; CB VISIBLE; APPEARS TO BE A TRAP	NONE	5.6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3700	NN66-9-1-1	NN66-9-1-SW	48.0	12.0	VCP	MULT CRACKS THROUGHOUT; MATERIAL CHANGE @ 40'(RCP); TRAP AT CB	NONE	5.2			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3702	NN66-9-1-3	NN66-9-1-3S	6.0	12.0	RCP	TRAP AT CB, BACKED UP	VAC OUT CB, BACKING UP INTO TRAP	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3703	NN66-9-4	NN66-9-4SE	8.0	12.0	VCP	MULT CRACKS @ 6'; RESTRICTED TO 4" AT CB	NONE	6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3704	NN66-9-4SE	NN66-9-4NE	28.0	12.0	VCP	MULT CRACKS THROUGHOUT; DEPOSITS SETTLED @ 15'	NONE	5.2			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3711	NN66-5-2	NN66-5-2NNE	37.0	10.0	RCP	Mult Crack(2'), Lt Roots at joints(26', 29')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3713	NN66-7	NN66-7NNE	38.0	12.0	VCP	Mult Crack(26', 28', 31'), Survey abandoned(38')-roots	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3717	NN66-4D	NN66-4DSE	62.0	10.0	VCP	Med OS joints T/O, Mult Crack(12'-15'-20'), Lt Roots at joints(40', 61')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3718	NN66-4DE	BLIND TAP	37.0	10.0	VCP	Long. Crack(11'), Mult Crack(31'), Lt Roots at joints(23', 26', 29', 32')	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3730	NN66-8-2	NN66-8-2SW	33.0	12.0	RCP			5			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3751	NN54-6-3	NN54-6-3NE	44.0	12.0	VCP	Hinge Fractures(5'-16', 18'-27'), Mult Crack(33', 39'), Pipe reduces to 4"(41')	Dig Mainline	6.6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3752	NN54-6-2-1	NN54-6-2-1W	23.0	12.0	VCP	Mult Crack T/O, Spiral Crack(15', 17'), Long. Crack(16'), Lt MD at joints T/O	None	5.4			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3754	NN54-6-4	NN54-6-4W	50.0	12.0	VCP	Mult Cracks T/O, Pipe reduces to 4"(48')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3756	NN54-6-3S	NN54-6-3SE	18.0	12.0	VCP	Mult Crack(5', 8'), Hinge Fracture(5'), Spiral Fracture(12')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3757	NN54-6-3SW	NN54-6-3SE	101.0	12.0	VCP	Long. Crack(10', 22', 71'), Mult Crack(15', 31', 43', 50'-101'), Lt MD at joints(7'-36'), Pipe reduces to 4"(100')	FCIPP	6	101		\$ 6,060.00							\$	-	\$	-	\$	-	\$	-	\$	-	\$ 6,060.00
SW3758	NN54-6-1	NN54-6-1SE	43.0	12.0	VCP	Mult Crack(14', 17', 26'), Long. Crack(39'), Lt MD at joints T/O, Pipe reduces to 4"(40')	None	5.4			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3759	NN54-4-1	NN54-4-1NE	42.0	12.0	VCP	Mult Cracks T/O, Lt MD at joints(6', 22'), Size reduction to 4"(39')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3761	NN59-1E	NN59-1A	59.4	12.0	VCP	HINGE FRACTURING (3) @ 30'-33', MULTIPLE FRACTURES @ 43'	Dig Mainline	7.5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS											
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL			
									3	6	10	15	20	25	CUT PRO	RE														
SW3763	NN58-3	NN58-3W	24.0	12.0	VCP	Hinge Crack(5'-9'), Hinge Fracture(13'), Med Roots at joints(19', 21', 23')	Dig Mainline	7.6			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00				
SW3765	NN58-7	NN58-7NE	8.0	12.0	VCP	Mult Crack(7")	Dig Mainline	6			\$	-								\$	-	\$	-	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3766	NN58-7	NN58-7NW	26.0	12.0	VCP	Long. Crack(24'), Long. Fracture(24')	None	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3768	NN54-4-5	NN54-4-5NW	72.0	12.0	RCP	Lt H2S damage T/O, Long. Crack(8', 44'), Lt MD at joints(8', 11', 14', 17')	None	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3769	NN54-4-3	NN54-4-3NW	48.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3779	NN54-5-1	NN54-5-1N	40.0	12.0	RCP	Rebar projecting(11', 19'), Backflow preventer(38')	None	6			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3782	NN54-6-3	NN54-6-3SW	30.0	12.0	RCP	Rebar visible(20'), Backflow preventer(30')	None	6			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3793	NN66-5-9	NN66-5-9NW	22.0	12.0	VCP	MULTIPLE CRACKS @ 7'; MATERIAL CHANGE @ 15' (RCP); APPEARS TO BE TRAP AT CB	NONE	6			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3800	NN56-3S	NN56-3W	29.0	12.0	VCP	Mult Crack(5'-29'), Med OS joint(22'), Surface wall missing(28'), Lt Roots at joints(6'), Lt MD at joint(25')	Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3804	N56	N56NW	51.9	12.0	RCP	SPIRAL CRACK @ 12'; LARGE OFFSET JOINTS A @ 28', 31'; MATERIAL CHANGES @ 25' (VCP), 31' (RCP)	NONE	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3806	NN56-2N	NN56-2NW	30.0	12.0	VCP	Mult Crack(5'-30'), Broken(29'), Lt MD at joints T/O	Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3825	NN42-4SW	NN42-4	29.0	10.0	RCP		Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3826	NN54-4W	NN54-4NW	27.0	12.0	VCP	Mult. Crack(10', 19'), Long. Crack(25'), Lt MD at joints(7', 8', 13')	None	5.4			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3827	NN54-4	NN54-4W	45.0	12.0	VCP	Mult Crack(7', 11', 12', 20', 26', 30', 36'), Long. Crack(10', 15', 33', 34'), Hinge Fracture(26', 28'), Size reduction to 4"(43")	None	5.4			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3828	NN54-4	NN54-4NNW	52.0	12.0	VCP	Long. Crack(5', 9', 24', 26', 30'), Mult Crack(7', 11', 15', 16'-29', 31', 33'-52'), Hinge Fracture(37', 41')	Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3831	NN51-5	NN51-5W	30.0	12.0	VCP	Long. And Mult. Cracks T/O, Size reduction to 4"(26')	None	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$		
SW3832	NN51-4N	NN51-4NNW	28.0	12.0	VCP	Long. Crack(13', 14'), Long. Fracture(13'), Mult Crack(19', 22', 25'), Lt Roots at joints(6', 12')	Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW3834	NN51-4	NN51-4SW	53.0	12.0	VCP	Mult crack(5', 18', 43', 49'), Long. Cracks T/O, Lt MD at select joints T/O, Pipe reduction to 4"(51")	None	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3835	NN51-4N	NN51-4	49.0	12.0	VCP	Long. Crack(7', 19', 24'), Mult Crack(8', 15', 23', 26'-49'), Long. Fracture(45'), Lt Roots at joints(8', 10', 13')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3836	NN51-4	NN51-4E	24.0	12.0	VCP	Mult Cracks(5', 8', 13', 16'), Size reduction to 4"(23')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3837	NN51-4E	NN51-4NE	27.0	12.0	VCP	Mult Crack(16', 21'), Long. Crack(25'), Lt MD at joints T/O	None	5.4			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW3839	NN51-4S	NN51-4SSW	29.0	12.0	VCP	Spiral fracture(7"), Long. Crack(15'), Lt MD at joints(7', 10', 13', 17', 23')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3840	NN49-5	NN49-5NW	35.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3842	NN49-4	NN49-4NNW	58.0	12.0	VCP	Spiral Crack(7', 36'), Long. Crack(25', 32', 34', 36', 44'), Mult Crack(52'), Defective patch(52')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3843	NN49-4W	NN49-4NW	28.0	12.0	VCP	Mult Crack(6', 18', 22', 24'), Spiral Crack(27'), Lt MD at joints(5', 9', 14', 21')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3844	NN49-4	NN49-4W	52.0	12.0	VCP	Mult. Crack(13', 16', 20', 23'), Lt MD at joints(6', 22', 28'), Size reduction to 4"(50')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3845	NN49-4A	NN49-4AS	19.0	12.0	VCP	Rocks(5'), Wall Missing(7"), Spiral Fracture(9'), Mult Crack(12', 16'), Pipe size reduces to 4"(18')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3846	NN49-4	NN49-4E	28.0	12.0	VCP	Long. Crack(6', 20'), Mult Crack(8', 10', 12', 23'), Size reduction to 4"(26')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3847	NN49-4NE	NN49-4E	28.0	12.0	VCP	Mult Crack(5'-9', 15', 22'), Lt MD at joints T/O	Dig Mainline	6.4			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3849	NN47-4	NN47-4SW	54.0	12.0	VCP	Long. Crack(12', 25', 27', 29', 31'), Mult Crack(44'), Sag(29'-43'), Size reduction to 4"(52')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3851	NN47-5A	NN47-5ASW	32.0	12.0	VCP	Med OS joints(2', 8', 11', 16', 29'), Hole with void visible(30')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3852	NN47-4	NN47-4SE	27.0	12.0	VCP	Mult Crack(7'), Lt MD(20'), Lt Roots(24'), Size reduction to 4"(25')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3853	NN47-4SE	NN47-4NE	27.0	12.0	VCP	Long. Crack(12'), Mult Crack(22')	None	5			\$	-					\$	-	\$	-	\$	-	\$	-	\$	-		
SW3855	NN47-4A	NN47-4AS	21.0	12.0	RCP	Hole(8')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3866	NN47-6	NN47-6W	50.0	12.0	VCP	Med OS joints T/O, Mult. Cracks(8', 26', 43'), Hole with void(35'), Lt Roots at joints(20', 26'-37', 38'), Size reduction to 4"(48')	Dig Mainline	6			\$	-					\$	-	\$	-	2	\$ 17,000.00	\$	-	\$ 17,000.00			
SW3868	NN47-6	NN47-6E	24.0	12.0	VCP	Hinge Fracture(6'-12'), Long .Crack(13', 16', 21'), Size Reduction to 4"(21')	Dig Mainline	7			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW3869	NN47-6	NN47-6NNW	57.0	12.0	VCP	Med OS joints T/O, Long. Cracks T/O, Mult Crack(29', 44', 45', 47', 49', 55'), Hinge Fracture(47')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3870	NN47-6	NN47-6N	49.0	12.0	VCP	Long. Crack(9', 10', 12', 42', 44'), Hinge Fracture(17'-38'), Deformed(19', 29', 33'), Lt Roots at select joints T/O	Dig Mainline	7.6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3872	NN49-6	NN49-6E	26.0	12.0	VCP	Mult Crack(5', 14', 18', 21'), Size reduction to 4"(24')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3874	NN49-6	NN49-6W	56.0	12.0	VCP	Mult and Long. Cracks T/O, Size reduction to 4"(54')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3875	NN49-6ANE	NN49-6ANW	28.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints(9', 21')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3877	NN49-7	NN49-7SW	63.0	12.0	VCP	Mult and Long. Cracks T/O	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3878	NN49-7	NN49-7SE	57.0	12.0	VCP	Long. And Mult. Cracks T/O, Size reduction to 4"(55')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW3879	NN47-7	NN47-7NW	32.0	12.0	VCP	Long. Crack(7'), Mult Crack(13'), Hole(24'), Hinge Fracture(24'), Lt MD at joints T/O	Dig Mainline	7.6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3888	NN51-6S	NN51-6W	27.0	12.0	VCP	Mult Crack(5', 7"-17'), Long. Crack(23'), Spiral Fracture(26')	None	5.6			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3889	NN54-6SW	BLIND TAP	30.0	12.0	VCP	Mult Crack(5', 10', 13', 19'), Long. Crack(6', 15', 21', 25'), Lt Roots at joints(6', 22', 25')	None	5			\$	-					\$	-	\$	-		\$	-	\$	-			
SW3891	NN54-6	NN54-6W	46.0	12.0	RCP	Lt H2S damage T/O, Spiral Fracture(8'), Lt MD at joints(9', 16')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3892	NN54-6	NN54-6NW	56.0	12.0	VCP	Mult Crack(13', 21', 38', 40', 50'), Long. Fracture(24', 38', 43', 45', 46', 50'), Hole(47')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3893	NN54-6	NN54-6NNW	52.0	12.0	VCP	Long. Crack(11', 14', 16', 18', 28', 37', 43'), Hinge Fracture(39"-43', Mult Crack(45')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3894	NN54-6	NN54-6N	47.0	12.0	VCP	Hinge Fracture(6', 8"-18'), Med OS joint(24"-47'), Mult Crack(39', 40')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3895	NN54-6	NN54-6SE	29.0	12.0	VCP	Long. Crack(7', 12'), Mult crack(8', 10', 14'), Lt MD at joint(19'). Pipe reduces to 4"(27')	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW3896	NN54-5	NN54-5NW	37.0	12.0	VCP	Mult Crack(6', 12', 20'), Long. Crack(9', 10"-37'), Hinge Fracture(14"-18'), Pipe reduces to 10"(32')	Dig Mainline	7.2			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3898	NN54-3N	NN54-3	15.0	12.0	VCP	Collapse, No video	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3905	NN49-3NE	NN49-3NW	28.0	12.0	VCP	Mult Crack(8', 21'), Long. Crack(14', 16'), Lt MD at joints(6', 7', 12', 18'), Bend in line(25')	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS										
									LATERTALS			LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
									3	6	10	15	20	25	CUT PRO	RE	SUBTOTAL												
SW3906	NN49-3	NN49-3NE	9.0	12.0	VCP	Mult Cracks T/O, Defective reducer(9')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3909	NN47-8	NN47-8SE	88.0	12.0	VCP	Broken(16'), Mult Crack and Long. Cracks T/O	FCIIPP	6	88		\$	5,280.00							\$	-	\$	-		\$	-	\$ 5,280.00			
SW3914	NN75-2NW	NN75-2	30.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3915	NN75-4NW	NN75-4	28.0	12.0	VCP		Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3917	NN75-6NW	NN75-6	27.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3919	NN75-7	NN75-7NW	29.0	12.0	VCP		Dig Mainline	5.6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3920	NN73-8	NN73-8N	12.0	12.0	VCP		Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3921	NN73-7N	NN73-7	14.0	12.0	VCP		Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3923	NN73-6W	NN73-6	25.0	12.0	VCP		None	5			\$	-							\$	-	\$	-		\$	-	\$ -			
SW3924	NN73-5NW	NN73-5	47.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3927	NN73-2N	NN73-2	39.0	12.0	VCP	Collapse (1')	Dig Mainline	10			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3928	NN73-1NW	NN73-1	35.1	12.0	RCP	MAT CHANGE @ 7' (VCP); PIPE COMPLETELY SEPARATED FROM REST OF LINE @ 35'; MSA DUE TO PIPE SEPARATION. NO REVERSAL	Dig Mainline	12.5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW3931	NN72-2W	NN72-2	31.0	12.0	VCP		Dig Mainline	7			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3933	NN72-5W	NN72-5	32.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3936	NN72-7	NN72-7N	12.0	12.0	VCP		Dig Mainline	10			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3937	NN72-7	NN72-7NW	36.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3938	NN66-16SW	NN66-16W	37.0	8.0	VCP	Mult Crack(26', 34')	Dig Mainline	7.5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW3945	NN73-8NW	NN73-8	28.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS										
									LATERTALS			LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10					15	20	25											
SW3948	NN72-4	NN72-4W	58.0	12.0	VCP		Dig Mainline	6			\$	-								\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW3951	NN73-1	NN73-1N	40.0	12.0	VCP	LARGE OFFSET JOINT @ 1'; MSA DUE TO JOINT, REVERSAL ALIGNMENT DOWN, MAT CHANGE @ 7' (VCP). CAMERA CANNOT NAVIGATE, LINE NOT COMPLETED	Dig Mainline	10			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3956	NN72-1	NN72-1E	34.4	12.0	VCP	BROKEN/HOLE VOID VISIBLE @ 5'; MULT CRACKS @ 25'; MAT CHANGE @ 30' (RCP)	Dig Mainline	12.5			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3967	NN26-3W	NN26-3	26.0	12.0	VCP		Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3968	NN26-3NW	NN26-3	62.0	12.0	VCP		Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3976	NN38-6	NN38-6E	11.0	12.0	VCP	Survey abandoned(2')-Large OS joint	Dig Mainline	10			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3977	NN38-6W	NN38-6E	26.0	12.0	VCP		Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3979	NN39-7N	NN39-7NW	27.0	12.0	VCP	Mult Crack(6', 11'-27'), Long. Crack(14', 18'), Lt MD at joints(11'-27')	None	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$ -	
SW3990	NN39-4	NN39-4W	56.0	12.0	VCP	Mult Cracks and Lt MD T/O	Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3991	NN39-4	NN39-4N	46.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O, Size reduces to 4"(43")	None	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$ -	
SW3992	NN39-4N	NN39-4NW	28.0	12.0	VCP	Mult Cracks(10'-28'), Lt MD at joints T/O	Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3993	NN39-4	NN39-4SE	48.0	12.0	VCP	Mult Cracks T/O, Long. Crack(9', 13', 14'), Spiral Fracture(33'), Lt MD at joints T/O, Size reduces to 4"(45")	None	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$ -	
SW3994	NN39-4SE	NN39-4SW	28.0	12.0	VCP	Mult Cracks(7', 9'-28'), Lt MD at joints T/O	Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3995	NN38-3	NN38-3NE	45.0	12.0	VCP	Long. And Mult Cracks T/O, Lt MD at joints T/O	None	5			\$	-								\$	-	\$	-	\$	-	\$	-	\$ -	
SW3996	NN38-3	NN38-3NW	51.0	12.0	VCP	Mult and Hinge Cracks T/O, Lt MD at joints T/O	Dig Mainline	8			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3997	NN38-3	NN38-3W	46.0	12.0	VCP	Mult and Hinge Cracks T/O, Lt MD at joints T/O, Size reduces to 4"(44")	Dig Mainline	8			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW3998	NN38-3	NN38-3E	23.0	12.0	VCP	Mult Crack T/O, Lt MD at joints T/O, Size reduced to 4"(20")	Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4003	NN32-3	NN32-3N	50.0	12.0	VCP	Mult Cracks T/O, Size reduces to 4"(48")	Dig Mainline	6			\$	-								\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST							
									LATERTALS			LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
									3	6	10	15	20	25	CUT PRO	RE														
SW4007	NN39-6	NN39-6SW	50.0	12.0	VCP	Mult Cracks T/O, Hinge Crack(20', 24', 26'), Size reduces to 4"(47")	Dig Mainline	8				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4008	NN39-6SW	NN39-6W	27.0	12.0	VCP	Mult Crack(8'-27'), Lt MD at joints T/O	Dig Mainline	6				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4010	NN38-5	NN38-5W	52.0	12.0	VCP	Mult and Long. Cracks T/O, Size reduces to 4"(49")	None	5				\$	-						\$	-	\$	-	\$	-	\$	-	\$ -			
SW4011	NN38-5	NN38-5NW	51.0	12.0	VCP	Mult Crack T/O, Hinge Crack(8', 11', 27', 29'-45'), Long. Crack(13', 17')	Dig Mainline	8				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4012	NN38-5	NN38-5NE	43.0	12.0	VCP	Collapse(1')	Dig Mainline info sent to city	10				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4017	NN39-6SE	NN39-6	26.0	12.0	VCP	Mult Crack(6'-26'), Lt MD at joints T/O, Size reduces to 4"(23")	Dig Mainline	6				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4018	NN39-6SE	NN39-6NE	28.0	12.0	VCP	Mult Cracks(9'-28'), Lt Roots at joints T/O	Dig Mainline	6				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4019	NN39-6	NN39-6N	51.0	12.0	VCP	Mult and Hinge Cracks T/O, Size reduces to 4"(49")	Dig Mainline	8				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4024	NN39-2NW	NN39-2N	28.0	12.0	VCP		Dig Mainline	6				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4026	NN39-2	NN39-2SE	6.0	12.0	VCP	Mult Crack(2'), Size reduces to 4"(2')	Dig Mainline	6				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4027	NN39-3SE	NN39-3SW	28.0	12.0	VCP	Mult Crack(10', 16', 23'), Lt DM at select joints T/O	Dig Mainline	6				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4028	NN39-3	NN39-3SE	91.0	12.0	VCP	Long and Mult cracks T/O, Size reduces to 10"(63")	None	5				\$	-						\$	-	\$	-	\$	-	\$	-	\$ -			
SW4038	NN32-6	NN32-6NW	28.0	12.0	VCP	Mult Cracks T/O, Lt MD at joints T/O	FCIPP	6	28			\$ 1,680.00								\$	-	\$	-	\$	-	\$	-	\$ 1,680.00		
SW4040	NN32-5SE	NN32-5SW	26.0	12.0	VCP	Mult Crack(10', 12'), Long. Crack(16'), Lt MD at joints(5'-26')	None	5.4				\$	-						\$	-	\$	-	\$	-	\$	-	\$ -			
SW4041	NN32-5NE	NN32-5NW	27.0	12.0	VCP	Long. Crack(10', 12'), Mult Crack(17'-27')	None	5				\$	-						\$	-	\$	-	\$	-	\$	-	\$ -			
SW4042	NN32-5	NN32-5NE	47.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O, Size reduces to 4"(45")	None	5				\$	-						\$	-	\$	-	\$	-	\$	-	\$ -			
SW4043	NN32-5	NN32-5SE	14.0	12.0	VCP	Mult crack(6'), Size reduces to 4"(10')	Dig Mainline	6				\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW4052	NN26-6SW	NN26-6	27.0	12.0	VCP		None	5				\$	-						\$	-	\$	-	\$	-	\$	-	\$ -			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW4078	ST-38-42SW	ST-38-42NW	25.0	12.0	VCP		Dig Mainline	7			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4080	ST-38-42-1NW	ST-38-42-1W	27.0	12.0	RCP		None	5			\$	-						\$	-	\$	-		\$	-	\$	-	\$	-
SW4083	ST-38-17-15-1W	ST-38-17-15-1N	28.0	12.0	RCP		None	5			\$	-						\$	-	\$	-		\$	-	\$	-	\$	-
SW4089	ST-38-17-13-1NW	ST-38-17-13-1W	29.0	12.0	RCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4092	NN21-6NW	NN21-6	27.0	12.0	VCP		Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4093	NN21-6N	NN21-6	11.0	12.0	VCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4102	ST-38-41SW	ST-38-41NW	24.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4107	NN24-1NW	NN24-1	27.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4109	NN26-2S	NN26-2	72.0	12.0	VCP		FCIPP	6	72		\$ 4,320.00							\$	-	\$	-		\$	-	\$	-	\$ 4,320.00	
SW4110	NN24-2NW	NN24-2	35.0	12.0	RCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4113	NN19-1NW	NN19-1	25.0	12.0	VCP		None	6			\$	-						\$	-	\$	-		\$	-	\$	-	\$	-
SW4129	ST-38-17-17N	ST-38-17-17	23.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4131	NN24-6W	NN24-6	26.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4134	ST-38-17-15NE	ST-38-17-15	12.0	12.0	RCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4136	NN26-6S	NN26-6	11.0	12.0	VCP		Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4228	N12A	N12-WNW	113.8	12.0	RCP	NOTE LINE NOT ON MAP, JOM IN SPOTS THROUGHOUT; DAE THROUGHOUT; HOLE IN BOTTOM OF LINE @ 113'; MSA. INFORMATION SENT TO STEVE PANGORI	DIG UP AND REPLACE LINE @ 113'	12.5			\$	-						\$	-	\$	-		\$	-	\$	-	\$	-
SW4460	NN29-9-3-5AS	NN29-9-3-5ASW	26.0	12.0	VCP	Mult Crack(4', 7', 9', 10', 15'), Hinge Fracture(25')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4461	NN29-9-3-5NW	NN29-9-3-5	32.0	12.0	VCP	Long, Crack(6'), Mult Crack(7', 10', 13', 17', 23', 27')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW4462	NN29-9-3-AN	NN29-9-3-ANW	27.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4464	NN29-9-3-4W	NN29-9-3-4SW	27.0	12.0	VCP	Mult Crack(6', 14', 21', 24'), Lt MD at joints(4', 8')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4465	NN29-9-3-4	NN29-9-3-4W	50.0	12.0	VCP	Mult. And Long. Cracks T/O, Pipe size reduction to 4"(48')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4466	NN29-9-3-3N	NN29-9-3-NW	28.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4469	NN29-9-3-2A	NN29-9-3-2AS	18.0	12.0	VCP	Mult Cracks T/O, Pipe size reduction to 4"(16')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4470	NN29-9-3ANW	NN29-9-3AN	27.0	10.0	VCP	Mult. Cracks T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4472	NN29-9-3SW	NN29-9-3S	28.0	10.0	VCP	Long. Crack(17'), Mult Crack(21'), Large OS joint(23', 28'), Hole(23')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4474	NN29-9-3-1NW	NN29-9-3-1N	27.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW4502	NN29-9-1-4	NN29-9-1-4NE	28.0	12.0	VCP	Mult Crack(26'), Pipe size reduction to 4"(26')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4503	NN29-9-1-4	NN29-9-1-4N	18.0	12.0	VCP	Mult Fracture(5'), Deformed(7'), Broken(8'), Hinge Fracture(9')	Dig Mainline	7.8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4504	NN29-9-1-4	NN29-9-1-4NW	31.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints(14'-23')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4506	NN29-9-2-4NW	NN29-9-2-4SW	27.0	12.0	VCP	Spiral Crack(7'), Mult Crack(19'), Lt MD at joints(4'-12', 22')	None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW4507	NN29-9-3-4	NN29-9-3-4E	65.0	12.0	VCP	Mult Fracture(6', 9', 12'), Long. Crack(19'-58'), Mult Crack(15'), Lt Roots at joint(15'), Lt H2S damage T/O, Size reduction to 4"(59')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4509	NN29-9-2-3A	NN29-9-2-3AW	27.0	12.0	VCP	Mult Crack(4'), Long. Crack(5', 8', 10', 11'-27'), Hinge Fracture(16', 17', 19'), Hwy Roots at joint(21')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4513	NN16-10-2-15	NN16-10-2-15NW	25.0	12.0	VCP	Hole with void(2'), Long. Crack(8'), Hinge Fracture(22')	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4523	NN29-9-1-2	NN29-9-1-2SW	24.0	12.0	VCP	Mult Cracks T/O, Broken with hole(19')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4525	NN29-9-2	NN29-9-2W	50.0	12.0	VCP	Med OS joints T/O, Long. Cracks T/O, Mult Crack(10', 12', 22'), Size reduction to 4"(47')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4527	NN29-9-2-1	NN29-9-2-1NNW	87.0	12.0	VCP	Mult and Long. Cracks T/O, Hinge Fracture(42', 86')	FCIPP	6.6	87		\$ 5,220.00							\$	-	\$	-	\$	\$ -	\$	-	\$ 5,220.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW4528	NN16-10-14	NN16-10-14NW	70.0	12.0	VCP	Long. And Mult Cracks(4'-33'), Hinge Fracture(37'), Lt Roots at joints(52'-64')	FCIPP	6.6	70	1	\$ 4,700.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,700.00				
SW4636	NN66-26NW	NN-66-26N	35.0	12.0	VCP		None	5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4640	NN66-22N	NN66-22	27.0	12.0	VCP		Dig Mainline	7			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW4641	NN66-22NW	NN66-22N	41.0	12.0	VCP		Dig Mainline	6.25			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW4643	NN66-11-2SW	NN66-11-2W	25.0	10.0	VCP	Mult Crack(8', 10'-25'), Size reducing to 8"(21')	Dig Mainline	6			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW4644	NN66-11-2	NN66-11-2NW	50.0	10.0	VCP	Hinge Fracture(28'), Long. Crack(31', 34'), Broken(46'), Size reduction to 4"(48')	Dig Mainline	6			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW4646	NN66-12-2	NN66-12-2NW	44.0	10.0	VCP	Long. Crack(6', 8', 30', 42'), Mult Crack(10', 34', 37'), Survey abandoned(44')-Turn in line	None	5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4647	NN66-12-2W	NN66-12-2	48.0	10.0	VCP		Dig Mainline	6			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW4651	NN66-14-2	NN66-14-2W	66.0	10.0	VCP	Mult Crack(11', 13', 31', 37', 43', 49', 52'), Hinge Fracture(23'), Size reduction to 4"(65')	Dig Mainline (63'-66') FCIPP	6	66		\$ 2,970.00								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 11,470.00			
SW4653	NN66-15-2	NN66-15-2NE	45.0	12.0	VCP	Long. Crack(5', 6', 8', 15'), Hinge Fracture(16', 19'-37'), Mult Fracture(23')	Dig Mainline	6.4			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW4654	NN66-15-2	NN66-15-2NW	50.0	10.0	VCP	Long. Crack(3', 5', 24', 30', 47'), Mult Crack(7', 28'), Hinge Fracture(9', 33', 36')	Dig Mainline	6			\$ -							\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00				
SW4657	NN66-19N	NN66-19	37.0	12.0	VCP		Dig Mainline	10			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW4658	NN66-19NW	Bulkhead	54.0	12.0	VCP		None	6.25			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4659	NN66-21N	NN66-21	6.0	12.0	VCP		Dig Mainline	6			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW4660	NN66-21NW	NN66-21N	33.0	12.0	VCP		None	5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4661	NN66-17NE	NN66-17	21.0	12.0	VCP		Dig Mainline	10			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW4662	NN66-17NW	NN66-17NE	35.0	12.0	VCP		None	6.5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW4663	NN66-15-4	NN66-15-4	40.0	10.0	VCP	Long. Crack(3', 13'), Hinge Fracture(6', 12'), Lt Roots at joints(22', 24'-40')	Dig Mainline	7.6			\$ -								\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW4664	NN66-15-4	NN66-15-4NW	50.0	10.0	VCP	Large OS and hole with void visible(2'), Mult Crack(15', 28'), Hinge Fracture(35', 37', 39')	Dig Mainline	6.8			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW4666	NN66-15-4	NN66-15-4W	45.0	10.0	VCP	Sag(7'), Mult Crack(21', 30'), Lt Roots at joints T/O, Line ends in bulkhead	Bulkhead MH and abandon line	5.4			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW4671	NN66-14-4	NN66-14-4N	37.0	10.0	VCP	Hinge Fracture(3', 8', 12'), Long. Crack(15', 19'), Mult Crack(21', 30')	Dig Mainline	6.6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4672	NN66-14-4	NN66-14-4NW	47.0	12.0	VCP	Mult Crack(10', 20'), Hinge Fracture(38'), Hole with void(40')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4673	NN66-14-4	NN66-14-4W	50.0	10.0	VCP	Mult Crack(12'-29'), Hinge Fracture(20', 44', 46'), Size reduction to 4"(48")	Dig Mainline	8.4			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4675	NN66-12-4	NN66-12-4N	37.0	10.0	VCP	Large OS joint(3'), Broken(3'), Survey abandoned(3')-Broken pipe	Dig Mainline	7			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4676	NN66-12-4	NN66-12-4NW	41.0	10.0	VCP	Large OS joint(2', 38'), Broken and hole(6'), Mult Fracture(7', 38'), Med OS joint(22'; 31', 35'). Pipe size reduction to 6"(41')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4677	NN66-12-4	NN66-12-4W	45.0	10.0	VCP	Mult Crack(7', 9', 27', 34'), Hole(17'), Mult Fracture(19'), Bricks used as reducer in pipe(44')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4679	NN66-12-3	NN66-12-3NE	13.0	10.0	VCP	Hole with soil visible(1'), Long. Crack(3'), Spiral Crack(12'), Survey abandoned(13')-camera will not get past joint	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4680	NN66-12-3NW	NN66-12-3	21.0	10.0	VCP		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4683	NN66-11-4	NN66-11-4W	48.0	10.0	VCP	Long Crack(13', 22'), Hinge Fracture(17', 20'), Line ends in Bulkhead(48')	Bulkhead in MH and abandon line	6.4			\$	-						\$	-	1	\$ 6,000.00		\$	-	\$	-	\$ 6,000.00	
SW4684	NN66-11-4SW	NN66-11-4	50.0	10.0	VCP	Mult Crack(3'-13', 21', 25', 39', 41'), Large OS joint(47'), Size reduction to 8"(32')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW4685	NN66-11-5	NN66-11-5SW	56.0	12.0	VCP	Mult Crack(19', 23', 28'-56'), Med OS joint(15', 24', 31', 34', 52'), Size reduction to 4"(53')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW4690	NN66-12-1	NN66-12-1W	23.0	10.0	VCP	Long. Crack(7'), Mult Crack(11', 12'-23'), Hinge Fracture(17', 20')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW4692	NN66-16	NN66-16N	43.0	12.0	RCP	Long. Crack(12'), Mult Crack(29'), Size and material change-8" and PVC(42')	None	6.25			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-	
SW4693	NN66-16NW	NN66-16N	39.0	12.0	RCP	Long. Crack(7'), Lt MD at joint(25')	None	5			\$	-					\$	-	\$	-	\$	-	\$	-	\$	-		
SW4727	NN66-25W	NN66-25	65.0	12.0	VCP		None	5			\$	-					\$	-	\$	-	\$	-	\$	-	\$	-		
SW4729	NN66-22NE	NN66-22E	27.0	12.0	VCP		Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW4730	NN66-20W	NN-66-20	38.0	12.0	VCP		None	6.75			\$	-							\$	-		\$	-	\$	-	\$	-	
SW4731	NN66-19NE	NN66-19	18.0	12.0	VCP	BULKHEAD	None	6			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW4733	NN66-15-6	NN66-15-6W	9.0	10.0	VCP	Long Crack(6'), Spiral Crack(7'), Hole(8', 9'), Survey abandoned(9')-External pipe thru sewer	Location given to consumers for repair	7			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW4741	NN66-15-2	NN66-15-2SE	26.0	10.0	VCP	Long. Crack(12', 16'), Mult Crack(24'), Size reduciton to 4"(26")	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4742	NN66-15-2	NN66-15-2S	25.0	10.0	VCP	Med OS joint(11', 14'), Broken(24'), Lt Roots at joint(20')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4743	NN66-15-1	NN6-15-1NW	25.0	10.0	VCP	Hole with void(2'), Surface missing(7'), Hinge Fracture(20'), Long. Fracture(25')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4744	NN66-15-1	NN66-15-1NE	13.0	10.0	VCP	Survey abandoned(2')-Hole with void, Reverse Set-Up-Spiral Crack(2'), Survey abandoned(11')-Hole with void	Dig Mainline - sent to City for repair	8			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4746	NN66-14-6	NN66-14-BNW	28.0	10.0	VCP	Mult Crack(8', 22'), Spiral Crack(12'), Lt MD at joint(14'), Survey abandoned(26')-Bend in line, Reverse Set-Up-Hole(1') Surface missing(1'), Survey abandoned(2')-point of previous progress	Dig Mainline	6.2			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4747	NN66-14-6	NN66-14-6N	10.0	10.0	VCP	Mult Crack(6'), Large OS joint(7')	None	5			\$	-							\$	-	\$	-			\$	-	\$	-
SW4750	NN66-14-1N	NN66-14-1	12.0	10.0	VCP		Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4751	NN66-14-1	NN66-14-1NW	26.0	10.0	VCP	Med Angular Joint(9'), Mult Crack(12', 19', 23')	None	5.2			\$	-							\$	-	\$	-			\$	-	\$	-
SW4754	NN66-11-2S	NN66-11-2SSW	27.0	10.0	VCP	Mult cracks(10', 20')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4770	NN66-11-2N	NN66-11-2	114.0	10.0	VCP		FCIPP	5	114		\$	5,130.00							\$	-	\$	-			\$	-	\$	5,130.00
SW4771	NN66-10-1-2	NN66-10-1-2N	40.0	12.0	VCP	Med OS joint(6', 10'), Mult Crack(12', 26', 32'), Size reduction to 4"(36')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4772	NN66-10-1-2	NN66-10-1-2NW	43.0	12.0	VCP	Hinge Fracture(10', 40'), Long. Crack(15', 20', 26', 34'), Mult Crack(18'-32')	Abandon Line-Flowable fill with bulkhead at manhole	5.6			\$	-							\$	-	1	\$ 6,000.00		\$	-	\$	6,000.00	
SW4774	NN66-10-1-2	NN66-10-1-2SW	45.0	12.0	VCP	Spiral crack(9'), Mult Crack(41'), Broken(43'), Lt MD at joints(30', 32')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4776	NN66-10-2-2	NN66-10-2-NW	37.0	12.0	VCP	Med OS joint(10'), Long. Crack(21'), Broken(36'), Lt Roots at joints(6', 8', 12', 36'), Survey abandoned(37')-Pipe collapsed	Dig Mainline, sent to DPW	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
SW4777	NN66-10-2-2	NN66-10-2-2W	46.0	12.0	VCP	Mult Crack(6', 10'-46'), Lt MD at select joints T/O, Line ends in bulkhead(46')?	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW4778	NN66-10-2-2	NN66-10-2-SW	56.0	12.0	VCP	Mult. Cracks T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4780	NN66-10-3-3	NN66-10-3-NW	48.0	12.0	VCP	Mult Cracks(4', 16', 24', 28', 31')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4781	NN66-10-3-SW	NN66-10-3-3W	27.0	12.0	VCP	Mult Crack(7', 10')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4783	NN66-10-4-3	NN66-10-4-3NE	43.0	12.0	VCP	Mult Crack(3', 13', 17', 25'), Broken(11'), Hole w/ soil visible(38')	Dig Mainline	6.6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4784	NN66-10-4-3	NN66-10-4-3NW	43.0	12.0	VCP	Long. Crack(13', 25', 31', 34'), Hole with void visible(16')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4786	NN66-10-4-3	NN66-10-4-3SW	49.0	12.0	VCP	Mult. Crack(8'-23', 33')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4787	NN66-11-3	NN66-11-3N	10.0	10.0	VCP	Long. Crack(1'), Mult Crack(2', 4'). Size reduction to 8"(6')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4788	NN66-11-4	NN66-11-4N	39.0	10.0	VCP	Mult Crack(2', 7'-13', 16'-39'). Broken(2'). Partial Bulkhead at US MH	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4789	NN66-10-1-4	NN66-10-1-4NE	39.0	10.0	VCP	Mult Cracks T/O, Pipe reduciton to 4"(37')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4790	NN66-10-1-4NW	NN66-10-1-4NE	29.0	12.0	VCP	Med OS joint(5', 8'), Mult Crack(18'), Broken and hole(29'). Survey abandoned(29')–Bulkhead	Abandon Line–Flowable fill with bulkhead at manhole	5.6			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW4792	NN66-10-1-4	NN66-10-1-4SW	52.0	12.0	VCP	Long. Crack(10', 13', 28', 40'), Hinge Fracture(15'), Broken(19'), Mult Crack(37'-44'). Size reduciton to 4"(49')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4793	NN66-10-1-3	NN66-10-1-3NE	64.0	12.0	VCP	Mult Crack(4', 6', 12'-64'), Hinge Fracture(29', 31'-43')	FCIPP	6.2	64		\$	3,840.00						\$	-	\$	-	\$	\$ -	\$	-	\$ 3,840.00		
SW4794	NN66-10-1-3NE	NN66-10-1-3NW	34.0	10.0	RCP	Mult Crack(21', 30'), Large OS joint(21'), Settled deposits(24')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4795	NN66-10-1-5E	NN66-10-1-5W	34.0	10.0	VCP	Mult Crack(4', 18'), Lt Roots at joints(4', 7', 10'), Lt MD at joints(7', 22'). Pipe reduction to 8"(22')	None	6			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW4797	NN66-11-5	NN66-11-5N	11.0	10.0	VCP	Spiral Crack(3'), Mult Crack(4'). Lt Roots at joints(4')	None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW4799	NN66-11-1	NN66-11-1N	14.0	10.0	VCP	Mult Crack(4', 7'), Lt MD at joint(3'). Size reduction to 4"(9')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW4804	NN66-10-2-1	NN66-10-2-1S	21.0	12.0	VCP	Large OS joint(15'), Mult Crack(15')	None	5			\$	-						\$	-	\$	-	\$	\$ -	\$	-	\$ -		
SW4805	NN66-10-2-1SW	NN66-10-2-1	159.0	12.0	VCP		FCIPP	8	159		\$	9,540.00						\$	-	\$	-	\$	\$ -	\$	-	\$ 9,540.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS										
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
									3	6	10	15	20	25	CUT PRO	RE													
SW4812	NN66-10-4-1	NN66-10-4-1SW	53.0	12.0	VCP	Mult. Crack(43'), Lt Roots at joints T/O	Dig Mainline	6			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW4836	NN66-11-4	NN66-11-4SE	32.0	10.0	VCP	Long. Crack(4'), Mult. Crack(12', 18'), Hole with Void(26'), Size reduction to 4"(30')	Dig Mainline	6.6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4837	NN66-11-2SE	NN66-11-2NE	28.0	10.0	VCP	Mult. Crack(3', 19'), Long. Crack(11', 17')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-	
SW4838	NN66-11-2	NN66-11-2SE	31.0	10.0	VCP	Mult. Crack(3'-24'), Size reduction to 4"(27")	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
SW4839	NN66-11-2	NN66-11-2S	86.0	10.0	VCP	Mult. Cracks T/O, Size reduction to 4"(83")	Dig Mainline (83"-86") FCIIPP	6	86		\$	3,870.00							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 12,370.00	
SW4840	NN66-10-1-2SE	NN66-10-1-2NE	28.0	12.0	VCP	Mult. Crack(9', 14'), Spiral Crack(26'), Lt MD on pipe(5'-16', 22')	None	5.4			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-		
SW4841	NN66-10-1-2	NN66-10-1-2SE	31.0	12.0	VCP	Mult. Cracks T/O, Spiral Crack(24'), Size reduction to 4"(28")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW4846	NN66-10-3-4	NN66-10-3-4W	44.0	12.0	VCP	Mult. Crack(4', 16', 25'), Deformed(6'), Hinge Fracture(7'), Hole with soil visible at size reduction to 10'(27')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW4852	NN66-10-2-2	NN66-10-2-2SE	32.0	12.0	VCP	Mult. Cracks(4', 6'-32'), Lt Roots at joints(4', 6')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW4980	NN42-17D	NN42-17DNW	30.0	12.0	VCP	Broken(23')	Dig Mainline	10			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5152	NN42-9N	NN42-9NW	28.0	12.0	RCP	Sag T/O, Long. Crack(10', 13', 18', 21')	None	5			\$	-					\$	-	\$	-	\$	-	\$	-	\$	-			
SW5154	NN42-6-1AN	NN42-6-1ANW	29.0	10.0	VCP	Long. Crack(15'), Mult. crack(18', 21'), Lt MD at joints(19', 20', 22', 23')	None	5.4			\$	-					\$	-	\$	-	\$	-	\$	-	\$	-			
SW5156	NN42-9-2	NN42-9-2NW	8.0	12.0	VCP	Broken pipe(5')	Dig Mainline	10			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5157	NN42-6-2AN	NN42-6-2ANW	27.0	12.0	VCP	Long. Crack(8'), Mult. Crack(15', 24'), Hinge Crack(17'), Med Roots at joints(20', 23')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5158	NN42-6-2A	NN42-6-2AN	24.0	12.0	VCP	Long. Crack(7', 18'), Mult. Crack(8', 11', 15'), Lt Roots at joints(8', 11', 17', 20'). Size reduction to 4"(22")	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5162	NN29-9-0-3W	NN29-9-0-3NW	27.0	12.0	VCP	Mult. Cracks(5'-27'), Lt MD at joint(17'), Med Roots at joint(20')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5166	NN42-11N	NN42-11NNW	27.0	12.0	RCP	Circ. Fracture(5'), Lt H2S damage T/O	Dig Mainline	6.4			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5167	NN29-9-0-5	NN29-9-0-5W	24.0	12.0	VCP	Mult. Crack(8'), Survey abandoned(24')-Brick, Can't perform reverse due to reducer at upstream end	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW5169	NN42-6-3-1N	NN42-6-3-1NW	27.0	12.0	VCP	Long. Crack(11'), Mult.Crack(22'), Lt Roots at joints(5', 8', 11', 18')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW5170	NN42-6-3-1	NN42-6-3-1N	48.0	12.0	VCP	Mult Crack(9'), Hinge Fracture(19', 23', 25'), Med OS joint(31'-48'), Size reduction to 4"(45')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5171	NN42-6-3-1	NN42-6-3-1SW	32.0	12.0	VCP	Mult Cracks T/O, Med OS joint(19', 28')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5172	NN42-13-1-5	NN42-13-1-5N	34.0	10.0	RCP	Lt H2S damage T/O, Long. Fracture(25'), Lt Roots at joints(13'-34'), Survey abandoned(34')-Hvy Roots	None	5			\$	-							\$	-	\$	-		\$	-	\$	-	
SW5176	NN42-13-2W	NN42-13-2NW	29.0	12.0	VCP	Hinge Fracture(16', 28')	Dig Mainline	6.66			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5177	NN42-13-2	NN42-13-2NNW	61.0	12.0	VCP	Long. Crack(14', 18', 36', 40', 42', 47'), Hinge Fracture(19', 22', 24'), Mult Crack(53')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5178	NN42-13-2-1	NN42-13-2-1W	28.0	12.0	VCP	Long. Crack(10'), Mult.Crack(16', 22'), Mult Fracture(24'), Circ. Fracture(26), Pipe size reduction to 4" with backflow preventer(26')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5179	NN42-13-2-1W	NN42-13-2-1NW	29.0	12.0	VCP	Mult Fracture(6'), Mult Crack(7'-29'), Med OS joint(9', 21'), Settled deposits(11', 17')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5185	NN29-11-4	NN29-11-4NW	46.0	12.0	VCP	Hinge Fracture(10'-19'), Deformed(12', 15'), Med OS joint(38'), Lt Roots at joint(6'), Lt MD at joints(22', 24')	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5186	NN29-11-3	NN29-11-3SW	29.0	12.0	VCP	Spiral Fracture(2'), Mult Crack(8', 19'), Long. Crack(18'), Hinge Fracture(21'), Lt MD at joints(14', 16', 18')	Dig Mainline	6.4			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5189	NN29-11-2	NN29-11-2N	38.0	10.0	VCP	Long. Crack(13', 15', 17', 19', 21', 23', 30'), Hole with void visible(30'), Med OS joint(28'-34'), Obstacle in joint(30')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5192	NN29-11-2SW	NN29-11-2	64.0	12.0	VCP	Long. Crack(12', 40'), Mult Fracture(22'), Hinge Fracture(23'-51', 55', 56'), Broken(60'), Hole(61')	Dig Mainline (59"-64")-sketch and report sent to city FCIPP	8	64		\$ 3,840.00							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 12,340.00		
SW5194	NN29-13-8	NN29-13-8S	52.0	10.0	VCP	Long. Cracks T/O, Lt H2S damage T/O, Med OS joint(45')	None	5.2			\$	-						\$	-	\$	-		\$	-	\$	-		
SW5198	NN29-13-2-4	NN29-13-2-4W	60.0	10.0	RCP	Long. Cracks T/O, Hinge Fractures T/O, Lt H2S damage T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5204	NN29-11-1A	NN29-11-1AW	30.0	10.0	VCP	Long. Crack(6', 10', 12', 14', 20', 22', 24', 26'), Mult Crack(18', 22'), Hole with void(25')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5205	NN29-11SW	Blind Tap	33.0	12.0	VCP	Spiral Crack(5', 14', 29'), Deformed(20', 23')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5206	NN29-10	NN29-10NE	115.0	12.0	VCP	Long. And Mult. Cracks T/O, Lt MD at joints T/O, Size reduction to 10'(113')	Dig Mainline (113"-115") FCIPP	6	115	1	\$ 7,400.00							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 15,900.00		
SW5208	NN29-9W	NN29-9NW	28.0	12.0	VCP	Mult. Long. And Spiral Cracks T/O, Lt MD at joints(5'-14')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW5209	NN29-8SE	NN29-8NE	50.0	8.0	VCP	Sag(26')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5210	NN29-8-1S	NN29-8-1N	27.0	12.0	VCP	Mult Cracks T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5212	NN29-8-2S	NN29-8-2E	29.0	12.0	VCP	Med OS joint(6'), Mult Crack(8'-29'), Long. Crack(11'), Lt MD at joints T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5213	NN29-8-2	NN29-8-2S	37.0	12.0	VCP	Spiral Crack(5', 15'), Long. Crack(7', 29'), Mult Crack(28', 32', 34'), Lt MD at joints T/O, Size reduction to 4'(35')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW5214	NN29-8-3	NN42-9SE	31.0	12.0	VCP	Mult Crack(5', 7'-31'), Lt MD at joints(14', 20'), Size reduction to 4'(28')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW5219	NN29-9-0-1	NN29-9-0-NW	45.0	12.0	VCP	Hinge Fracture(12', 22', 27'-45'), Mult Crack(14'), Deformed(38')	Dig Mainline	8.2			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW5220	NN42-11	NN42-11S	25.0	12.0	RCP	Long. Crack(8'), Rebar visible(16'), Pipe size reduction to 4'(21')	None	5			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW5221	NN42-11	NN42-11N	50.0	12.0	RCP	Long. Crack(9'-19'), Lt H2S damage T/O, Spiral Crack(24', 48'), Pipe reduction to 4'(49')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW5222	NN29-9-0AE	NN29-9-0A	11.0	12.0	VCP	Mult crack(4'-11'), Mortar in line(9')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW5224	NN29-9-0	NN29-9-0N	20.0	12.0	VCP	Mult Crack(13', 15'), Long. Crack(15'), Hinge Fracture(19'), Line ends in Bulkhead	None	5.4			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW5390	N16S-S	N16A	42.5	12.0	RCP	LONGITUDINAL CRACKS @ 18', 21'; MULTIPLE CRACKS @ 37'; OFFSET JOINT @ 39'	NONE	5			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW5392	N8A1	N8A	54.8	12.0	RCP	CL @ 12', 33', 41'; JOM @ 45'; FM @ 51'; DAE @ 48'; MMC @ 51' (VCP)	DIG UP AND REPLACE LAST 3' OF PIPE	7.5			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW5394	N12SSE	N12SE	37.9	12.0	RCP	CL @ 36'	NONE	5			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW5407	NS6-1-2ASE	BLIND TAP	26.0	12.0	VCP	Mult Crack(25')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW5411	NN1-1AS	NN1-1A	80.4	12.0	RCP	LARGE OFFSET JOINT/HOLE VOID VISIBLE @ 2'; LIFT HOLES THROUGHTOUT, APPEAR TO BE PLUGGED; DEPOSITS THROUGHTOUT LINE		5			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW5430	NN29-2-1NE	NN29-2-1SE	25.0	12.0	VCP		Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW5438	NN38-2	NN38-2NW	25.0	12.0	VCP	Mult and long. Cracks T/O	None	5			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW5443	ST-38-42SSW	ST-38-42S	28.0	12.0	RCP		Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW5445	NN19-5NE	BLIND TAP	22.0	12.0	VCP		None	6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW5470	NS59-1NE	NS59-1A	12.1	12.0	RCP	MULT CRACK @ 10'	NONE	7.5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW5532	NN42-17CNE	BLIND TAP	52.0	10.0	VCP	Long. Crack(14', 17', 48', 50'), Hole(41', 50'), Large OS joint(50')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5534	NN42-24-4SW	NN42-24-4	38.0	10.0	VCP	Mult Crack(4', 9', 19'), Hinge Fracture(18', 21', 23'-28')	Dig Mainline	6.8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5539	NN42-21-1AW	NN42-21-1ASW	27.0	12.0	VCP	Mult Crack(3', 5'), Large OS joint(25'), Lt Roots at joints(4', 7')	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW5540	NN42-21-1A	NN42-21-1AW	20.0	12.0	VCP	Mult Crack(6', 9', 13', 16'), Lt Roots at joints(5', 8', 11'), Size reduction to 4"(18')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5541	NN42-21-1ANW	NN42-24-1	130.0	12.0	VCP	Mult Crack(5', 29', 34', 38', 41', 44"-70', 103', 113', 117', 126')	FCIIPP	6	130		\$ 7,800.00							\$	-	\$	-		\$	-	\$	7,800.00		
SW5543	NN42-21-1ANW	NN42-21-1ANE	28.0	12.0	VCP	Mult Crack(5', 22'), Deformed(23'), Lt Roots at joints(7', 11', 19', 22')	Dig Mainline	6.6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5544	NN42-26-2ASSW	NN42-26-2ASSE	28.0	12.0	VCP	Mult Crack(3'-28'), Med OS joint(23'), Lt MD at joint(3', 24')	None	5.6			\$	-						\$	-	\$	-		\$	-	\$	-		
SW5545	NN42-26-2ASSW	NN42-26-2A	34.0	12.0	VCP	Mult Crack(3'-26'), Size reduction to 4"(26')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5546	NN42-26-2ASW	NN42-26-2ANW	27.0	12.0	VCP	Mult Crack(3'-24'), Med OS joint(7', 20'), Lt MD at joint(13'), Lt Root at joint(16')	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
SW5548	NN42-26-2ANNW	NN42-26-2ANNE	26.0	12.0	VCP	Long. Crack(13'), Hinge Fracture(19', 21', 24'), Lt Roots at joints(5', 6', 9')	Dig Mainline	7.2			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5549	NN42-26-2A	NN42-26-2ANNW	48.0	12.0	VCP	Mult Cracks(3'-18', 25', 30', 43'), Sprial Fracture(18')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5558	NN42-14	NN42-14NW	10.0	12.0	RCP	Wall missing(5'), Long. Crack(7')	None	7			\$	-						\$	-	\$	-		\$	-	\$	-		
SW5562	NN42-13-3-1	NN42-13-3-1W	26.0	12.0	VCP	Broken with hole(4'), Med OS joint(9', 17', 19')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5583	NN42-13-4	NN42-13-4NW	17.0	12.0	VCP	Survey abandoned(17')-possible collapse	Dig Mainline	12.5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5587	NN29-13-2	NN29-13-2N	51.0	10.0	RCP	Long. Crack(30'), Wall missing(40')	Dig Mainline	7			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5608	NN66-5	NN66-5W	34.0	10.0	VCP	Mult Cracks(19', 26', 30')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW5611	NS59-9-12A	NS59-9-12AW	22.0	12.0	VCP	Mult Crack(5', 11', 15', 20')	Dig Mainline	6			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW5624	NS67-11	NS67-11NW	25.0	12.0	VCP		Dig Mainline	6			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW5625	NS67-11	NS67-11SW	15.0	12.0	VCP	Mult Cracks T/O, Size reduces to 4"(13')	Dig Mainline	6			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW5630	NS63-8S	NS59-7A-2	49.0	12.0	RCP	Mult Crack(6')	Dig Mainline	6			\$	-							\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW5642	B11-0-2	B11-0-2SE	165.0	12.0	RCP	Mult. Fracture(6'), , Long. Crack(8', 16', 27', 36', 40'-82', 140', 147'), Spiral Fracture(13', 31', 37'), Broken(37'), Large OS joint(37')	Dig Mainline(34'-40') FCIIPP	6	165		\$ 9,900.00								\$	-	1	\$ 8,500.00		\$	-	\$ 18,400.00		
SW5658	NN16-10-15	NN16-10-15NW	33.0	12.0	VCP	Long. Fracture(13', 14'), Spiral Fracture(16'), Lt Roots at joints(21', 29')	Dig Mainline	7			\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5666	NN29-9-1-3	NN29-9-1-3SW	26.0	12.0	VCP	Long. Crack(11'), Mult Crack(15', 17'), Hinge Fracture(19'), Lt MD at joints(10', 11'-21'), Pipe size reduction to 10"(21")	Dig Mainline	6			\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5687	NS37-3	NS37-3N	46.0	12.0	VCP	Mult Crack(11', 14'-34')Hvy Roots(43')	Dig Mainline	6			\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5692	NS18-5	NS18-5NW	59.0	12.0	VCP	Mult and Long. Cracks T/O, Hinge crack(5'), Lt MD at joints T/O	Dig Mainline	6.2			\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5693	NS18-5	NS18-5W	53.0	12.0	VCP	Long and Mult cracks T/O, Lt MD at joints T/O	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$		
SW5695	NS18-5	NS18-5N	55.0	12.0	VCP	Mult and Long. Cracks T/O	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$		
SW5696	NS20-5	NS20-5N	50.0	12.0	VCP	Long. And Mult Cracks T/O, Lt MD at joints T/O, Size reduces to 10"(48")	None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$		
SW5698	NS23-5	NS23-5E	23.0	12.0	VCP	Mult Cracks T/O, Lt Root at joint(20')	Dig Mainline	6			\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5705	NS59-9-0-3	NS59-9-0-3S	28.0	12.0	RCP	Mult Cracks T/O	Dig Mainline	6			\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5707	NS59-9-0-2SE	Blind Tap	18.0	12.0	RCP	Mult Crack(10', 11'), Spiral Crack(13')	None	5.4			\$	-						\$	-	\$	-	\$	-	\$	-	\$		
SW5708	NS59-9-0-1	NS59-9-0-1NW	8.0	12.0	VCP	Mult Crack and Hole(4')	Dig Mainline	8			\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5716	NS6-13-23	NS6-13-23SW	15.0	12.0	RCP	Mult Crack(14')	Dig Mainline	6			\$	-						\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00			
SW5717	NS6-13-23	NS6-13-23NW	21.0	12.0	RCP	Broken(18'), Mult Crack(20'), Debris(9', 14')	6' SCIPP (16'-22')	8			\$	-	1					\$ 3,100.00		\$	-	\$	-	\$	-	\$ 3,100.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW5720	NS6-13-6-1W	BLIND TAP	167.0	12.0	VCP	Med OS joint(37'), Long. Crack(60'), Mult Crack(61', 65', 65', 108', 110', 114', 118', 137', 143', 149', 165'), Hinge Crack(150', 153', 157', 161'), Lt MD at joints T/O	FCIPP	6.8	167		5	\$ 12,520.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,520.00				
SW5728	EH-32-1NNE	EH-33BSW	106.0	12.0	RCP	Long. Crack(56')	None	5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5737	NS15-3	NS15-3N	55.0	12.0	VCP	Long. Fracture(8'), Hinge Fracture(9', 12'-24'), Mult Crack(18'-55')	Dig Mainline	8			\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW5738	NS18-3E	NS18-3NE	27.0	12.0	VCP	Mult Crack(6'), Long. Crack(7'), Lt MD at select joints T/O	None	5			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5739	NS18-3	NS18-3N	54.0	12.0	VCP	Mult Crack T/O; Long. Crack(40', 42,)	None	5.6			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5747	EH-32-11E	EH-32-11NE	46.8	12.0	RCP	MWLS @ 15'-EOL; LINE 80% FULL AT US CB	NONE	10			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5763	NS68-9S	NS68-9	9.0	12.0	VCP	Mult Crack(7')	Dig Mainline	6			\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW5766	NS67-3	NS67-3E	47.0	12.0	VCP	Mult cracks and Lt MD T/O, Long. Crack(19', 21', 25', 40')	None	5.2			\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SW5771	NS71-1S	NS71-1	12.8	12.0	RCP	BROKEN @ 5.5'	Dig Mainline	12.5			\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW5772	NN72-1	NN72-1N	28.4	12.0	VCP	BROKEN PIECE @ 7'; LARGE OFFSET @ 28'; AT 28' THE ALIGNMENT GOES UP. CAMERA CANNOT NAVIGATE	Dig Mainline	12.5			\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW5775	NS61-1W	NS61-1	38.7	12.0	RCP	BROKEN @ 18'	Dig Mainline	12.5			\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW5776	NS61-1S	NS61-1	110.0	10.0	PVC/VCP	HINGE FRACTURE (4) @ 12'-19'; TAP ROOT JOINT @ 19'; ROOTS THROUGHOUT; ROOT BALL (80%) @ 37'; MSA DUE TO ROOTS BALL; REVERSAL WATER LEVEL >50%; CAMERA SUBMERGED AT POINTS IN VIDEO; MAT CHANGE @ 57' (VCP); JOINT SEPARATED LARGE VOID	DIG UP AND REPLACE SEPARATED JOINT AT 58' DOWNSTREAM FROM NS61-1S	10			\$ -								\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00			
SW5777	E23-B-2A	N55	38.0	12.0	RCP	NOTE NEW MH FOUND IN FIELD. JOM @ 7'-19', 25', 31'; CL @ 24', 26'; FH3 @ 27'-EOL; CM @ 35'	FCIPP	8.75			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
SW5781	NN52-1W	N52	16.0	12.0	RCP	BROKEN/HOLE VOID VISIBLE @ 9'	Dig Mainline	8.75			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00				
SW5795	NN73-6N	NN73-6	15.0	12.0	VCP	Collapse(1')	Dig Mainline	10			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00				
SW5799	NN42-20	NN42-20W	58.0	12.0	VCP	Mult Crack(5', 7', 17', 21', 23', 35', 37'), Broken(44', 54')	Dig Mainline	6			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00				
SW5800	NN42-22W	NN42-22	65.0	12.0	VCP	Mult Crack(3', 6'-65'), Size reduction to 4" that has 1" pipe thru(61')	Dig Mainline(61'-65')	6			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00				
SW5818	NN66-6AW	NN66-6A	51.0	12.0	VCP	Mult Cracks T/O, Med OS joint(46', 50')	Dig Mainline	6			\$ -							\$ -	\$ -	1	\$ 8,500.00		\$ -	\$ 8,500.00				

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW5820	NN66-3-2	NN66-3-2NE	26.0	12.0	VCP	Mult Crack(17'), Broken(25')	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5828	NS48-1	NS48-1W	38.1	10.0	PVC	CRACK MULT @ 15'; 25'; JOINT SEPARATED LARGE/SOIL VISIBLE @ 19'; JOINT SEPARATED LARGE/SOIL VISIBLE/INFIL DRIPPER/SURFACE REINFORCEMENT VISIBLE/ALIGNMENT LEFT @ 29'	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5831	NS46-1SE	NS46-1	11.4	12.0	RCP	MULT CRACKS @ 10'	Dig Mainline	7.5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5837	NN32-3	NN32-3S	19.0	12.0	VCP	Hinge Crack(5', 7', 11'), Mult Crack(7'-19'), Lt MD at joints(7'-19'), Size reduces to 4"(16")	Dig Mainline	6.8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5838	NN38-4W	Blind Tap	31.0	12.0	VCP	Long, Crack(16', 17'), Hinge Crack(18'-31'), Mult Crack(22', 25'), Lt Roots at select joints T/O	Dig Mainline	6.8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5839	NN38-4	NN38-4E	104.0	12.0	VCP	Long, Cracks(15', 40', 45', 47', 49', 55', 83', 85'), Mult Crack(50', 56'-104'), Hinge Crack(50', 63', 66'-76', 81'), Lt Roots at select joints T/O	FCIPP	6.2	104	1	\$ 6,740.00								\$	-	\$	-	\$	\$	\$	\$	\$ 6,740.00	
SW5840	NN32-4	NN32-4W	19.0	12.0	VCP	Mult Crack(12'), Abandoned Survey(19')-Turn in line, reverse set-up-abandoned survey(10')-point of previous progress	None	6			\$	-						\$	-	\$	-	\$	\$	\$	\$	\$		
SW5842	NN42-9-4-1	NN42-9-4-1E	42.0	12.0	VCP	Mult Crack(5'), Long, Fracture(12', 32'-37'), Hole(34')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5843	NN42-9-4-1	NN42-9-4-1	30.0	12.0	VCP	Mult Cracks T/O, Size reduction to 4"(28")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
sw5850	NN42-13-1	NN42-13-1-NE	21.0	12.0	VCP	Mult Crack(7'), Catch basin is buried	None	5			\$	-						\$	-	\$	-	\$	\$	\$	\$	\$		
SW5861	NS59-9-2-6A	NS59-9-2-6AS	44.0	12.0	VCP	Long, And Mult Cracks T/O	None	5			\$	-						\$	-	\$	-	\$	\$	\$	\$	\$		
SW5864	NN75-4N	NN75-4	8.0	12.0	VCP	Survey abandoned(1')-Large OS joint with soil visible	Dig Mainline info sent to city	6			\$	-						\$	-	\$	-	\$	\$	\$	\$			
SW5865	NN75-3W	NN75-3	29.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5868	NN70-2-3	NN70-2-3E	7.0	12.0	VCP	Mult Crack(2'), Lt Roots at joints(1'), Pipe size reduction to 3"(7")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5869	NN66-6B	NN66-6BW	15.0	12.0	VCP		None	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5890	NN29-9W	NN29-9	24.0	12.0	RCP	Med H2S damage T/O, Spiral Crack(12'), Spiral Fracture(18')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5891	NN29-12E	NN29-12	17.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5896	NN66-22E	NN66-22	27.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW5898	NN42-11	NN42-11W	49.0	12.0	RCP	Med H2S damage(21'), Long. Crack(33'), Pipe size reduction to 4"(47")	Dig Mainline	7			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5899	NN29-13-8	NN29-13-8N	8.0	10.0	RCP	Broken with Hole(3'). Size reduction to 8"(6')	Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5900	NS69-9NN	NS69-9N	40.0	12.0	VCP		Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5901	NS69-8S	NS69-8	80.0	12.0	VCP		FCIPP	5	80		\$	4,800.00							\$	-	\$	-		\$	-	\$	-	\$ 4,800.00
SW5905	NS59-7-2A	NS59-7-2ANW	30.0	12.0	VCP	MSA DUE TO ROOTS @ 2', DO NOT SEE ATTEMPT AT REVERSAL	Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5915	NN66-1-4	NN66-1-4NW	27.0	12.0	VCP	Long. Crack(13'), Mult Crack(19', 20'), Lt MD at joint(7'), Lt Roots at joint(26')	None	5.4			\$	-							\$	-	\$	-		\$	-	\$	-	\$ -
SW5916	NN64-0-3W	NS64-1-1A	97.8	12.0	RCP	LARGE OFFSET JOINT/HOLE SOIL VISIBLE 97'	DIG UP AND REPLACE FROM 94'-EOL	8.75			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5931	E7-32-3	E7-32-3NE	88.0	12.0	RCP	CL @ 38'	NONE	5			\$	-							\$	-	\$	-		\$	-	\$	-	\$ -
SW5942	E23-B-2A	E23-B-2	4.0	12.0	RCP	NOTE NEW MH FOUND IN FIELD. CM @ 3'	NONE	7.5			\$	-							\$	-	\$	-		\$	-	\$	-	\$ -
SW5943	NN49-4A	NN49-4ANW	83.0	12.0	VCP	Mult Cracks T/O, Lt MD at select joints T/O, Utility thru sewer(12')	FCIPP	6	83		\$	4,980.00							\$	-	\$	-		\$	-	\$	-	\$ 4,980.00
SW5953	NN39-5	NN39-5S	107.0	12.0	VCP	Spiral, Mult and Long. Cracks T/O, Lt MD at joints T/O, Lt Roots at select joints T/O, Size reduces to 4"(106')	Dig Mainline (105'-107') FCIPP	6	107		\$	6,420.00							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 14,920.00	
SW5954	NN39-5	NN39-5NW	32.0	12.0	VCP	Mult cracks(5', 16'-32'), Hinge crack(19'-27')	Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5970	NS53-2NW	NS53-2	40.0	12.0	VCP		Dig Mainline	10			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5976	NS46-4N	NS46-4	85.0	12.0	VCP		3' SCIPP (30'-33')	6			\$	-	1						\$	3,000.00	\$	-		\$	-	\$	-	\$ 3,000.00
SW5978	NN44-1	NN44-1SW	19.4	12.0	RCP	BROKEN AT 13'	NONE	6			\$	-							\$	-	\$	-		\$	-	\$	-	\$ -
SW5980	NS33-1W	NS33-1	30.8	12.0	RCP			8.75			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5989	NS40-5NW	NS40-5	58.0	12.0	VCP		Dig Mainline	5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW5990	NS40-5	NS40-5N	55.0	12.0	VCP	Long. And Mult Cracks T/O	None	5			\$	-							\$	-	\$	-		\$	-	\$	-	\$ -

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW5993	NS33-2	NS33-2SW	30.0	12.0	VCP	Collapse(1')	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW5995	NS33-4E	NS33-4	70.0	12.0	VCP	Collapse(5'), Spiral Fracture(42', 48'), Large OS joint(50'), Survey abandoned(50')-reverse complete, Reverse-Collapse(5), Long Crack(7', 11'), Large OS joint(18'), Survey abandoned(20')-roots	Dig Mainline(0'-10') Dig Mainline (60'-70')	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6000	NN49-7A	NN49-7ASE	8.0	12.0	VCP	Mult Crack(6'), Size reduction to 4"(7")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6001	NN32-3WNW	NN32-3	28.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6002	NN32-2	NN32-2NW	24.0	12.0	VCP	Mult crack T/O	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6003	NN32-2	NN32-2NE	12.0	12.0	VCP	Mult Crack(7")	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6009	NN66-5-5	NN66-5-5NE	74.0	8.0	VCP	LONGINTUDINAL CRACKS @ 47', 72'; BROKEN @ 62'; MULTIPLE CRACKS @ 72'	3' SCIPP FROM 61'-64'	6			\$	-	1					\$ 2,500.00		\$	-	\$	-	\$	-	\$ 2,500.00		
SW6010	NN56-3	NN56-3S	11.0	12.0	VCP	Mult Crack(5'), Surface wall missing(5'), Large OS joint(8'), Hole with soil visible(9")	Dig Mainline	6.4			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6011	NS6-7NE	NS6-7	8.0	12.0	RCP	SPIRAL CRACK @ 7"	NONE	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW6023	NS59-1	NS59-1W	40.1	12.0	RCP	LONG CRACK @ 8'; HOLE SOIL VISIBLE @ 21'	Dig Mainline	7.5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6032	NS61-3N	NS61-3	54.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6036	NS61-5S	NS61-5	70.0	12.0	VCP		FCIPP	5	70		\$ 4,200.00							\$	-	\$	-	\$	-	\$	-	\$ 4,200.00		
SW6037	NS59-2ASSE	NS59-2ASE	27.0	12.0	VCP		Dig Mainline	5			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6038	NS59-2ASE	NS59-2A	30.0	12.0	VCP		Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6042	NS61-1-6SE	NS61-1-6	10.0	12.0	PVC		Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6045	E23-ANW	E23-A	29.0	12.0	VCP		None	5			\$	-						\$	-	\$	-	\$	-	\$	-	\$ -		
SW6048	E23-A-1NE	E23-A-1	20.0	12.0	VCP		Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6056	NS3-2	NS3-2E	20.0	12.0	RCP	BROKEN SOIL VISIBLE @ 6'; DEPOSITS THROUGHOUT	Dig Mainline	10			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW6074	NS20-5	NS20-5S	26.0	12.0	VCP	Mult Crack(6'-26'), Long. Crack(10')	None	5.6			\$	-							\$	-	\$	-	\$	-	\$	-		
SW6082	N8A-1SE	N8A-1S	44.4	12.0	RCP	CL IN SPOTS THROUGHOUT; CM @ 26'; DAE THROUGHOUT	NONE	5			\$	-							\$	-	\$	-	\$	-	\$	-		
SW6083	NS15-2	NS15-2S	19.0	10.0	VCP	Survey abandoned(4')-Large OS, Reverse-Collapse(14')	Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6084	NS6-11-2-2E	BLIND TAP	10.0	12.0	VCP	Broken and Mult Fracture(3')	Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6094	NS59-17-1A	NS59-17-1AN	40.0	12.0	VCP	Mult Cracks T/O, Hinge Fracture(30'-34')	Dig Mainline	7			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6098	BLIND TAP	NS59-16-3-2NW	25.0	12.0	VCP	Long. Crack(6', 7', 13')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6099	NS59-16-3-1	NS59-16-3-1N	24.0	12.0	VCP	Mult Crack(14'), Med OS joint(15', 17'), Hinge Crack(16')	None	6.25			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6101	NS59-16-3	NS59-16-3SE	15.0	12.0	VCP	Long. Crack(9'), Mult Crack(10')	None	6.25			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6102	NS59-18	NS59-18N	28.0	12.0	VCP	Mult Crack T/O, Lt and Med Roots at joints T/O	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6108	NS59-9-0-2B	NS59-9-0-2BNW	60.0	12.0	VCP	Hinge Fracture(6'-12'), Long. Crack(4', 18', 20', 36', 46'), Med OS joint(22'-60')	None	6.25			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6111	NS59-9-0-1SSE	Blind Tap	35.0	12.0	VCP	Long. Fracture(8'), Spiral Crack(10', 19'), Large OS joint(27'), Lt MD at joints T/O	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6112	BLIND TAP	NS59-9-0-1N	28.0	12.0	VCP	Mult Crack(8', 14'-28'), Long. Crack(15'), Lt MD at joints T/O	None	5.6			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6114	NS59-11	NS59-11SE	47.0	12.0	VCP	LONG CRACK @ 23'; MULT CRACKS @ 36'; SIZE/MAT CHANGE @ 45' (10' RCP)	NONE	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6118	NS59-9-4	NS59-9-4	14.0	10.0	PVC	Spiral and Mult Crack(11')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6124	NS6-13-17-2A	NS6-13-17-2AN	33.0	10.0	VCP			6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6124	NS59-8-0NE	BLIND TAP				Broken pipe(6'), Mult Crack(7'-14', 19'-26')	Dig Mainline	5.25			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6127	NS6-13-6-3W	NS6-13-6-3	166.0	12.0	RCP	Mult Cracks T/O, Broken pipe(156', 164')	FCIPP	6	166	4	\$ 11,960.00								\$	-	\$	-	\$	-	\$	-	\$ 11,960.00	
SW6132	NS6-15-4ASW	NS6-15-4A	62.0	12.0	VCP		Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS								
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE	SUBTOTAL										
SW6134	NS6-17-3A	NS6-17-3	153.0	12.0	VCP		FCIPP	6	153		\$ 9,180.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,180.00				
SW6151	B5-3-1NE	B5-3-1NNE	30.0	10.0	RCP	Long. Crack(9'), Large Separated joint(18'), Hole with soil visible(18')	Dig Mainline	7.5			\$ -							\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW6160	B9	B9SE	35.0	10.0	VCP	Hole and Mult Fracture(5'), Med OS joint(26', 29')	Dig Mainline	7.5			\$ -							\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00			
SW6170	NN42-26-2	NN42-26-2ANNW	133.0	12.0	VCP	Long. Crack(17'; 28', 53', 72'-77'), Mult Crack(48', 98', 126'), Hinge Fracture(73', 77'-87', 100')	FCIPP	6	133		\$ 7,980.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,980.00			
SW6174	NS59-2NW	BLIND TAP	35.0	12.0	RCP		None	5			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW6175	NS6-13-9-2-1	NS6-13-9-2	116.0	12.0	VCP	Long. Cracks, Hinge Fractures and Mult Cracks T/O, Broken(114')	Dig Mainline (110'-116') FCIPP	7	116		\$ 6,960.00							\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 15,460.00			
SW6176	NS2-1-5	BULKHEAD-W	137.0	12.0	VCP	LONG CRACKS/HINGE CRACKS THROUGHOUT; MEDIUM OFFSETS THROUGHOUT; LINE ENDS AT BULKHEAD, BUT HAS ANOTHER LINE DUMPING INTO IT AT 137' AS WELL		6.2			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW6177	NS2-7-2-1	NS2-7-2	136.6	12.0	VCP	HINGE CRACKING @ 9'-23", 35'-39"; LONG CRACK THROUGHOUT. HEAVY ROOTS @ 136', MSA DUE TO ROOTS		6.6			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW6178	NS2-8-2	NS2-8-2A	151.0	12.0	VCP	MULT CRACKS THROUGHOUT; HINGE CRACKING (4) @ 55', 110'-138'	FCIPP	6.6	151		\$ 9,060.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,060.00		
SW6181	NS2-14-1	NS2-14	130.0	10.0	RCP	Long. And Mult Cracks(37'-95')	None	5			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW6184	NS6-8-1A	NS6-8-1	125.0	12.0	RCP	MULT CRACKS THROUGHOUT; HINGE CRACK (2) @ 37'-END OF LINE; ALIGNMENT RIGHT @ 120'; CAMERA CAN NOT MAKE ALIGNMENT CHANGE	NONE	6.6			\$ -						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
SW6188	NS59-7A-3	NS59-7A-3E	23.0	12.0	VCP	Long. Crack(8', 16')	None	5			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW6190	NS59-7	NS59-7SSE	45.0	12.0	VCP	Long. Cracks(7'-18'), Pipe reduces to 8"(43'), Survey abandoned(45)--reduced pipe size	None	5			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW6209	NS59-9-2-4A	NS59-9-2-4	133.0	12.0	VCP	Hinge cracks and fractures T/O, Broken(130'), Lt MD and Lt Roots at select joints T/O	FCIPP	7	133		\$ 7,980.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,980.00		
SW6210	NS2-3-2	NS2-3-1	36.0	12.0	VCP	LONG CRACKS THROUGHOUT	NONE	5.6			\$ -							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
SW6211	NS2-3-1	NS2-3	54.9	12.0	VCP	HINGE CRACK @ 5'-8'; MSA @ 13' DUE TO REBAR STUCK IN JOINT, REVERSAL; LONG CRACKS THROUGHOUT, REACHED POINT OF PREVIOUS INSPECTION	Dig Mainline	8.6			\$ -						\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00				
SW6212	NS2-4-1	NS2-3	98.0	12.0	VCP	MULT CRACKS @ 7-END OF LINE; HINGE FRACTURING @ 54'-9"	FCIPP	7.2	98		\$ 5,880.00							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,880.00		
SW6225	NS2-7B	NS2-7BN	20.0	12.0	VCP	LARGE OFFSET WITH SOIL VISIBLE @ 1'; LONG CRACKS @ 6', 12'; TRAP AT CB	Dig Mainline	8			\$ -						\$ -	\$ -	1	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00				

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW6238	NS63-1-2-3	NS63-1-2-2	12.9	8.0	VCP	MULT CRACKS @ 11'	NONE	7.5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6242	NN42-1	NN42-1SW	45.2	12.0	RCP	LARGE OFFSET JOINT/HOLE SOIL VISIBLE @ 24'; BROKEN @ 43', 44'. BOX TRAP AT CB	Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6293	NS2-3-1	NS2-3-1E	10.0	12.0	VCP	MULT CRACKS @ 7'; TRAP AT CB	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6303	B7-5NE	B7-5NNE	32.0	12.0	RCP	Spiral crack(12'), Hole with soil visible(23')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6304	B7-7W	B7-7	37.0	10.0	RCP	Large Separated joint(31', 34'), Hole(34')	Dig Mainline	7.5			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6308	NS33-2	NS33-2S	21.0	12.0	VCP	Spiral Fracture(19')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6311	NS40-1A	NS40-1	37.6	12.0	VCP	MULT CRACKS @ 21'-25'	NONE	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6317	NS2-6B	NS2-6BE	89.0	12.0	VCP	CLONG CRACKS @ 10'; MULT CRACKS @ 15'-END OF LINE; RESTRICTED TO 4" AT CB	NONE	5.6			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6318	NS2-8ANW	NS2-8A	51.0	10.0	RCP	LONG FRACTURES @ 21' END OF LINE; MAT CHANGE @ 34'(VCP), 36'(RCP); VCP TRAP AT CB	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6373	NN66-10-1-N	NN66-10-1-1W	28.0	10.0	VCP	Mult Crack(8', 12', 18'), Wall Missing(22')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6375	NN66-10-1-2SW	NN66-10-1-2W	27.0	12.0	VCP	Long. Crack(9'), Hinge Fracture(10'), Mult Crack(19')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6377	NN66-10-1-3	West	22.0	12.0	VCP	Long. Crack(13', 15'), Hinge Fracture(19'), Lt MD at joints(4', 7', 15')	Abandon Line-Flowable fill with bulkhead at manhole	6			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6383	NN66-11-1N	NN66-11-1NW	25.0	10.0	VCP	Mult Crack(4', 8'), Lt MD at joints(6', 15', 22')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6386	NN66-11-4N	NN66-11-4NW	26.0	10.0	VCP	Mult Cracks(3'-7', 10', 16'), Alignment up(22')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
SW6387	NN66-12-2	NN66-12-2SW	42.0	10.0	VCP	Long. And Mult Cracks T/O, Hinge Fracture(18', 35', 39', 40'), Line ends at bulkhead(42')	Bulkhead in MH and abandon line	6.6			\$	-							\$	-	1	\$ 6,000.00	\$	-	\$	-	\$ 6,000.00	
SW6388	NN66-12-4	NN66-12-4SW	44.0	10.0	VCP	Hinge Fracture(11', 42'), Mult Crack(36'), Long. Crack(38', 40'), Line ends at bulkhead(44')	Bulkhead in MH and abandon line	6.4			\$	-							\$	-	1	\$ 6,000.00	\$	-	\$	-	\$ 6,000.00	
SW6389	NN66-14-2W	NN66-14-2SW	23.0	10.0	VCP	Mult Crack(14'), Long. Crack(17'), Lt MD at joint(7'), Lt Roots at joint(19'), Med Root at joint(22')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
SW6390	NN66-15-2	NN66-15-2W	48.0	10.0	VCP	Mult Crack(3'), Long. Crack(5', 9', 20', 21', 25'), Hinge Fracture(13', 15')	Bulkhead MH and abandon line	5.8			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW6391	NN66-15-4	NN66-15-4SW	46.0	10.0	VCP	Hinge Fracture(15', 18', 38', 42'), Mult Crack(19', 35'), Lt Roots at joints(28'-45'). Pipe reduces to 4"(46")	Dig Mainline	8			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6397	NN29-9-1-SSSE	Blind Tap	32.0	12.0	PVC	Hinge Fracture(7', 9'-32'), Rocks(17')	Dig Mainline	7.4			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6400	NN42-15-2N	NN42-15-2NW	60.0	12.0	RCP	Long. Crack(5'-48'), Lt H2S damage(31', 33', 34')	Dig Mainline	7			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6405	B9-1	B9-1N	34.0	12.0	RCP	Long. Crack(8', 27'), Size reduction to 4"(30')	None	5			\$	-						\$	-	\$	-		\$	-	\$	-	\$ -	
SW6408	NN49-5N	NN49-5NW	28.0	12.0	VCP	Mult Crack(5', 8'-20', 22'), Lt MD at joints(5', 16', 18')	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00		
SW6412	NN66-10-1-4	Northwest	45.0	12.0	VCP	Long. Crack(12', 16', 25'), Hinge Fracture(14', 19'), Mult crack(45'), Survey abandoned(45')-Bulkhead	None	6.4			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW6414	NN66-10-1-5	West	16.0	12.0	VCP	Broken(16'), Lines ends at bulkhead	Abandon Line-Flowable fill with bulkhead at manhole	10			\$	-						\$	-	\$	-		\$	-	\$	-	\$ -	
SW6416	NN66-10-2-1	Northwest	23.0	12.0	VCP	Mult Crack(5', 6'), Sag(9'), Lt MD at joint(12')	None	5.4			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW6418	NN66-10-4-3	Northwest	48.0	12.0	VCP	Long. Crack(16', 23'), Mult Crack(47'), Bulkhead or Collapse(48')	Bulkhead in MH and abandon line	6			\$	-					\$	-	1	\$ 6,000.00		\$	-	\$	-	\$ 6,000.00		
SW6422	NN42-6-1A	NN42-9-2NW	52.0	12.0	RCP	Sag(17'), Missing Wall(27")	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW6423	NN42-6-3-1NW	NN42-6-3-1	55.0	12.0	VCP	Mult crack(7', 9'), Long Crack(14'-34', 44')	None	5			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW6431	NN47-2	EOL(East)	30.0	12.0	VCP	Mult Crack(8', 26'), Lt MD at joints(5', 11', 13'), Line ends in bulkhead(30')	None	5.4			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW6433	NN66-3	EOL (Northwest)	39.0	12.0	VCP	Mult Crack(8', 10', 13'), Line ends in bulkhead	None	6			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		
SW6440	NN29-11-2	EOL (West)	62.0	12.0	VCP	Hinge Fractures and Med OS joints T/O, Line ends at bulkhead	Build MH FCIIPP	7	62		\$ 3,720.00						\$	-	1	\$ 6,000.00		\$	-	\$	-	\$ 9,720.00		
SW6442	NN29-9-0-3	EOL West	40.0	12.0	VCP	Long. Crack(8', 36'), Hinge Fracture(24', 26'-33'), Mult Crack(39'), Lt Roots at joints T/O, Line ends in Bulkhead	Bulkhead, fill line and abandon	7.4			\$	-					\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW6454	NS28-7	NS28-6	373.0	15.0	VCP	Pro lats(24', 219', 343'), Large OS in lat(260'), Long. Cracks T/O, Mult. Cracks(160' to 175', 190' to 205'), Inf. @ joint(125'), Mult. Fractures(361', 370')		6.3	373	3	6	\$ 28,745.00						\$	-	\$	-		\$	-	1	\$ 6,000.00	\$ 28,745.00	
SW6479	NS59-21	NS59-21N	30.0	12.0	VCP	Mult Crack(5'-30'), Hinge Crack(12'), Hole(18')	Dig Mainline	6			\$	-					\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00		
SW6507	NS3-1-3A	NS3-1-3	124.0	12.0	VCP	LONG CRACKS/MULT CRACKS THROUGHOUT	NONE	5.2			\$	-					\$	-	\$	-		\$	-	\$	-	\$ -		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
SW6508	N8A-1	N8A-1S	25.4	12.0	RCP	CM @ 13'; CC @ 19'; DAE @ 22'. REPORT SAYS SW5392, CHANGED BY GIS TO SW6508	NONE	5	\$	-								\$	-	\$	-	\$	-	\$	-	\$	-	
SW6566	NN51-3	NN51-3NE	100.0	12.0	VCP	Med OS joints T/O, Mult Cracks T/O, Wall Missing(72'), Hole(95'), Size reduces to 4"(98'), Map, TV report and photo sent to city	Dig Mainline (95'-100') FCIPP	6	100	\$ 6,000.00								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 14,500.00		
SW6571	NN29-9-0-5	EOL West	121.0	12.0	RCP	Spiral Crack(25'), Long. Crack(28'), Broken(121'), Gas Line thru sewer(121')	Dig Mainline-Info given to consumers for repair	6	\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00			
SW6573	EH-32-14-5	EH-32-14	187.0	42.0	RCP	Long. Crack(10', 16'), Sag(16'), Med OS joint(20'), Lt MD at joints(23', 30'), Survey abandoned(32')-Mineral Deposit	None	6.9	\$	-							\$	-	\$	-		\$	-	\$	-	\$	-	
SW6574	B9-4	B9-4SW	100.0	12.0	RCP	Long. Crack (6', 19', 21', 22'), Spiral Crack(8', 21'), Circ. Crack(28'), Survey abandoned(50')-Gas Line, Reverse-Long. Cracks T/O, Broken(22'), Survey abandoned(50')-Gas Line	Send to Consumers for repair FCIPP	7.5	100	\$ 6,000.00								\$	-	\$	-		\$	-	\$	-	\$ 6,000.00	
SW6581	NS59-9-1-2	NS59-9-1-3	138.0	12.0	VCP	Long. And Mult Cracks and Fractures T/O, Lt MD at select joints T/O	FCIPP	8	138	1 \$ 8,780.00							\$	-	\$	-		\$	-	\$	-	\$ 8,780.00		
SW6587	NN54-4-5	EOL Northwest	35.0	10.0	RCP	Med OS joint(6'), Mult Crack(12', 14', 22'), Long. Crack(22', 24'), Survey abandoned(35')-Bulkhead	None	5	\$	-							\$	-	\$	-		\$	-	\$	-	\$	-	
SW6588	NN54-4	NN54-4NW	54.0	12.0	VCP	Long. Cracks(5'-12', 21'-43'), Hing Fracture(45', 46'-54'), Survey abandoned(54')-Bulkhead	None	5.6	\$	-							\$	-	\$	-		\$	-	\$	-	\$	-	
SW6590	NN54-6-2-1	CB - West	93.0	12.0	RCP	Lt H2S damage T/O, Long. Crack(44', 72'), Broken(57')	FCIPP	6	93	\$ 5,580.00							\$	-	\$	-		\$	-	\$	-	\$ 5,580.00		
SW6594	NS59-16-2-1	NS59-16-2-1SE	22.0	12.0	VCP	Med OS joint(13'), Long. Crack(14', 19'), Hinge Crack(17'), Line ends in bulkhead	None	5.75	\$	-							\$	-	\$	-		\$	-	\$	-	\$	-	
SW6595	NS59-16-3-2A	NS59-16-3-2N	76.0	12.0	VCP	Med OS joint(9'-76'), Long. Crack(30', 35', 55'), Hinge Fracture(56'), Mult Crack(60')	None	6	\$	-						\$	-	\$	-		\$	-	\$	-	\$	-		
SW6596	NS59-16-3-4SSE	BLIND TAP	42.0	12.0	VCP	Long. Cracks T/O, Mult Crack(11')	None	5.25	\$	-							\$	-	\$	-		\$	-	\$	-	\$	-	
SW6597	NS59-17-1A	CB-SW	42.0	12.0	VCP	Med OS joint(6'-42'), Mult Crack(5', 17', 21', 36'), Hinge Crack(24', 34')	None	5	\$	-						\$	-	\$	-		\$	-	\$	-	\$	-		
SW6598	NS61-8	EH-57E	55.0	12.0	VCP	Med OS joint(8', 31'), Mult and Long. Cracks T/O	None	5	\$	-						\$	-	\$	-		\$	-	\$	-	\$	-		
SW6599	NN66-7	Bulkhead(NE)	41.0	12.0	VCP	Long. Crack(34'), Mult Crack(37'), Line ends in Bulkhead	None	5	\$	-						\$	-	\$	-		\$	-	\$	-	\$	-		
SW6601	NS6-13-17-2AN	Cb (West)	28.0	10.0	VCP	Mult Crack(11', 19')	FCIPP	6	\$	-						\$	-	\$	-		\$	-	\$	-	\$	-		
SW6604	NS6-13-26A	CB (NW)	59.0	10.0	VCP	Mult Crack(6'-59')	Dig Mainline	6	\$	-						\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00				
SW6605	NS6-13-26A	Bulkhead(SW)	55.0	10.0	VCP	Mult Crack(7'-55'), Lt Roots at joints T/O, Line ends in bulkhead	None	6	\$	-						\$	-	\$	-		\$	-	\$	-	\$	-		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS										
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL		
									3	6	10	15	20	25	CUT PRO	RE													
SW6606	NS59-8-2	EOL Northeast	35.0	12.0	VCP	Long. And Mult Cracks T/O, LT MD at joints T/O, Line ends in Bulkhead(35')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-			
SW6607	NS59-8-2	EOL Northwest	55.0	12.0	VCP	Mult Crack(5', 24', 30'), Long. Crack(16', 32, 46'), Hinge Fracture(41', 46'-55'), Line ends in bulkhead(55')	None	5.6			\$	-							\$	-	\$	-	\$	-	\$	-			
SW6608	NS59-8-3	EOL Northwest	66.0	12.0	VCP	Mult cracks(10', 18', 20'-66'), Long. Crack(18', 44'), LT MD at joints(6', 10', 20'-66'), Line ends in bulkhead(66')	None	5.4			\$	-							\$	-	\$	-	\$	-	\$	-			
SW6628	NN64-0-1E	NS64-1B	39.9	12.0	RCP	LONGITUDINAL CRACKING @ 12', 14', 28'; MULTIPLE CRACKS @ 16'	NONE	5			\$	-							\$	-	\$	-	\$	-	\$	-			
SW6629	NN64-0-1E	NN64-0-2	198.8	12.0	RCP	SPEARATED JOINT 8', 162'. BROKEN @ 162'; ROOTS THROUGHOUT	3' SCIPP FROM 160'-163'	6			\$	-	1						\$	3,000.00	\$	-	\$	-	\$	-	\$	3,000.00	
SW6639	NS59-9-6A	BULKHEAD NW	49.0	12.0	VCP	MULT CRACKS/LONG CRACKS THROUGHOUT, HINGE FRACTURE (4') @ 37'-45'; MAT CHANGE TO RCP @ 45'; LARGE OFFSET/HOLE SOIL VISIBLE @ 47'; DEPOSITS THROUGHOUT;	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$	8,500.00	\$	-	\$	8,500.00
SW6640	NS59-9-2	BULKHEAD WEST	18.0	12.0	VCP	MULT CRACKS @ 11'-END OF LINE; DEPOSITS THROUGHOUT	NONE	6			\$	-							\$	-	\$	-	\$	-	\$	-			
SW6642	NS59-9-2	BULKHEAD NORTH	36.0	12.0	VCP	LARGE OFFSETS @ 10', 13', 15'; BROKEN SOIL VISIBLE @ 15'; BULKHEAD @ 36'	DIG UP AND REMOVE LINE	10			\$	-							\$	-	\$	-	1	\$	8,500.00	\$	-	\$	8,500.00
SW6645	NS14-1	BULKHEAD-SW	24.0	12.0	VCP	JOINT OFFSET/LARGE/HOLE SOIL VISIBLE @ 2'; MULT CRACKS THROUGHOUT	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$	8,500.00	\$	-	\$	8,500.00
SW6647	NS6-13-26BNW-1	NS6-13-28	162.0	10.0	RCP	LONG FRACTURE BEGINNING OF LINE -12'; LONG CRACKS THROUGHOUT; VCP FACTORY TAP @ 32'(9'); MAT CHANGE @ 46' (VCP); SAG @ 124', CAMERA UNDERWATER	15' SCIPP FROM 0'-15'	6			\$	-		1				\$	3,100.00	\$	-	\$	-	\$	-	\$	3,100.00		
SW6648	NS6-3-2A	SW	49.0	12.0	VCP	HINGE FRACTURING (2) @ 29'-49'; SURVEY ABANDONED @ 49' DUE TO DEBRIS IN LINE	Dig Mainline	6			\$	-						\$	-	\$	-	1	\$	8,500.00	\$	-	\$	8,500.00	
SW6649	NS3-1	NORTHWEST	7.1	12.0	VCP	MULT CRACKS. APPEARS TO BE BULKHEADED	NONE	6.6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-		
SW6650	NS3-1-5A	SOUTHWEST	14.0	12.0	VCP	MULT CRACKS @ 10'-14'; LINE BLIND TIES INTO UNKNOWN LINE @ 14'; UNKNOWN LINE BULKHEADED JUST WEST OF BLIND TIE	NONE	6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-		
SW6652	NS2-9-2	SSE	93.0	12.0	VCP	LONG CRACKS THROUGHOUT; 12' TAP @ 76'(9), DO NOT KNOW WHERE IT LEADS. LINE ENDS AT UNDOCUMENTED CB, WHICH APPEARS TO BE COVERED BY CONCRETE	LOCATE AND EXPOSE US CB	6.6			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-		
SW6659	NS59-12-6	NS59-9-0-3A	126.0	12.0	VCP	Pro lats(6', 50'). Mult. Fractures w/ visible void		10			\$	-	1					\$	3,000.00	\$	-	\$	-	\$	-	\$	3,000.00		
	NN39-8	Bulkhead (NW)	20.0	12.0	VCP	Spiral Crack(18')	None	7			\$	-						\$	-	\$	-	\$	-	\$	-	\$	-		
	NN32-3	Bulkhead (W)	24.0	12.0	VCP	Med OS joint(13', 20'). Mult Crack(15'), Hinge Fracture(21')	Bulkhead in MH and abandon line	7.6			\$	-						\$	-	\$	-	1	\$	8,500.00	\$	-	\$	8,500.00	
	E23-5SSW	NS59-6B-B	602.0	12.0	RCP		FCIPP	8	602		\$	36,120.00						\$	-	\$	-	\$	-	\$	-	\$	36,120.00		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS				TOTAL COST					
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
	NN32-3	NN32-3NW	50.0	12.0	VCP	Long. Crack(7', 13'), Lt Roots at joints(19')	None	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN32-5	Bulkhead (NW)	50.0	12.0	VCP	Line ends at bulkhead(2')	None	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN38-4	NN38-4NW	30.0	12.0	VCP	Mult and Hinge cracks T/O, Lt Roots at joints T/O	Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN38-5	Bulkhead (NW)	52.0	12.0	VCP	Mult Crack(5'-37'), Long. Crack(18'), line ends in bulkhead(52')	None	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS18-3ES	NS18-3	150.0	12.0	VCP	Med OS joint(8', 24'), Lt Roots at joints(21', 25')	None	8	150		\$ 9,000.00								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 17,500.00	
	NS20-2	CB (North)	90.0	12.0	VCP	Line ends in bulkhead(2')	None	8	90		\$ 5,400.00								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 13,900.00	
	NS37-5	Bulkhead(W)	44.0	12.0	VCP	Mult Crack(18'-54'), Hinge Crack(42'-54'), Line ends in Bulkhead(54')	Dig Mainline	8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS59-6-3A	NS59-6-3NW	50.0	12.0	VCP	Mult Crack(12'-50'), Hinge Crack(28'-43'), Lt MD at joints T/O, Size reduces to 4'(49')	Dig Mainline	6.4			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN29-9-2-1	EOL (Southwest)	6.0	12.0	VCP	Mult Crack(6', 10', 12'-50'), Hinge Crack(41')	Dig Mainline	10			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN38-6	NN38-6W	26.0	12.0	VCP	Mult Crack(6'-24'), Lt Roots at joints T/O	Dig Mainline	6.6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN39-6	NN39-6W	54.0	12.0	VCP	No defects observed	None	6.6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS76-5NNW	BLIND TAP	27.0	12.0	VCP		Dig Mainline	6.6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS20-3	Bulkhead (NW)	54.0	12.0	VCP	Line ends in bulkhead(2')	None	6.8			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN32-5	NN32-5W	47.0	12.0	VCP	Line ends in bulkhead(2')	None	5			\$	-							\$	-	\$	-		\$	-	\$	-	
	NN38-3	Bulkhead (WNW)	50.0	12.0	VCP	Mult Crack(8', 9'-55'), Long. Crack(34', 37')	None	5			\$	-						\$	-	\$	-		\$	-	\$	-		
	NN39-4	Bulkhead (NNW)	38.0	12.0	VCP	Line ends in bulkhead(6'), TV operator calls out collapse	Dig Mainline	5			\$	-						\$	-	\$	-		\$	-	\$	-		
	NN39-6	Bulkhead (NW)	50.0	12.0	VCP	Mult cracks T/O, CB upstream is buried	Dig Mainline	5			\$	-						\$	-	\$	-		\$	-	\$	-		
	NS18-5W	NS18-5NW	26.0	12.0	VCP	Mult Crack T/O, Lt MD at joints T/O	Dig Mainline	5			\$	-						\$	-	\$	-		\$	-	\$	-		

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
	NS20-5	NS20-5NW	57.0	12.0	VCP	Line ends in bulkhead(2')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS20-5E	CB (NE)	51.0	12.0	VCP	Line ends in bulkhead(2')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS31-4	Bulkhead (NW)	55.0	12.0	VCP	Long. And Mult cracks T/O, Hinge Crack(7', 24'), Line ends in bulkhead	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS40-3	Bulkhead(W)	51.0	12.0	VCP	Mult and Long. Cracks T/O, Line ends in bulkhead(44')	Bulkhead and abandon line	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS40-5	NS40-5NW	58.0	12.0	VCP	Mult Crack(5'), Long. Crack(9', 43'), Lt MD at select joints T/O, Line ends in bulkhead(44')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS40-5	CB (east)	78.0	12.0	VCP	Large OS joint(2'), Line ends in bulkhead(9')	None	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS59-9-0-3	Blind Tap	52.0	12.0	VCP	Mult Cracks T/O, Spiral Crack(8'), Long. Crack(19'), Lt MD at select joints T/O	Dig Mainline	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS67-6	Bulkhead (S)	21.0	12.0	VCP	Mult Crack(14'-25'), Lt Roots at joints T/O	Dig Mainline	5			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NN39-3	Bulkhead (NW)	28.0	12.0	VCP	Mult. Crack(5'), Material change to PVC(9')	Dig Mainline	5.2			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS67-3	NS67-3SE	40.0	12.0	VCP	Mult Crack(8'-16'), Lt Roots at joints(8', 16', 24')	Dig Mainline	5.2			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS37-3	Bukhead (NW)	52.0	12.0	VCP	Long. Cracks T/O, Mult Crack(32'-90'), Hinge Crack(34', 36', 39'), Gas line thru sewer with Hole(83')	Dig Mainline (80'-86')-To Consumers FCIPP	5.4			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS69-6	NS69-6SE	113.0	12.0	VCP	Spiral, Mult and Long. Cracks T/O, Line ends in Bulkhead(28')	None	5.4			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NS15-4	Bulkhead (W)	30.0	12.0	VCP	Mult Crack(8', 13')	Dig Mainline	5.6			\$	-							\$	-	\$	-	\$	-	\$	-	\$	-
	NN42-6-1A	NN42-6-1	397.0	12.0	VCP	Pro lats(91', 167', 272'), Lt Roots in lat(176'), Hole in pipe(38', 39', 40'), Lt Roots @ joints(60' to 90', 160' to 190')		6			\$	-	1						\$	3,100.00	\$	-	\$	-	\$	-	\$	3,100.00
	NN29-9-2-4	EOL (Northwest)	25.0	12.0	VCP	Long. And Mult cracks T/O	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00
	NN66-14-4	EOL (Southwest)	48.0	10.0	VCP	Long., Mult and Hinge Cracks T/O, US structure is buried	Dig Mainline	6			\$	-							\$	-	1	\$ 6,000.00		\$	-	\$	6,000.00	
	NN66-16A	NN66-16SW	10.0	8.0	RCP	Spiral Crack(5'), Mult Crack(6', 12', 19'), Long. Crack(15', 20', 21'), Med OS joint(8', 24'), Lt Roots at joints(28', 30')	None	6			\$	-						\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00	
	NN29-2-1SE	NN29-2-1NE	25.0	12.0	VCP	Long. Cracks and Med OS joints T/O	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00		\$	-	\$ 8,500.00

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING			SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS		LENGTH (FT)	CUT PRO	RE	SUBTOTAL	LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10	15	20	25	CUT PRO	RE												
	NN32-3	NN32-3NNW	28.0	12.0	VCP	Line ends in bulkhead(2')	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN32-5	NN32-5NNW	54.0	12.0	VCP	Line ends in bulkhead(2')	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN39-2SE	NN39-2NW	28.0	12.0	VCP	LT Roots at joints(18'), Line ends in bulkhead	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN39-6N	NN39-6NW	28.0	12.0	VCP	Med OS joints(13', 16'), Heavy Roots at joint(29'), Lt and Med Roots at joints(25', 32', 35', 37', 39')	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN39-8N	NN39-8NW	28.0	12.0	VCP	Line ends in bulkhead(2')	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NN49-6	EOL (North)	44.0	12.0	VCP	Long. Crack(8', 9', 13', 49'), Mult Crack(20', 29'), line ends at bulkhead(51')	None	6			\$	-						\$	-	1	\$ 6,000.00		\$	-	\$ 6,000.00			
	NS18-3W	NS18-3NW	28.0	12.0	VCP	Line ends at bulkhead(20')	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS3-1-7SE	NS3-1-7NE	27.0	12.0	VCP	Mult Crack(12'-28'), Lt MD at joints(12'-28')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS33-3	NS33-3SSW	110.0	12.0	VCP	Line ends at bulkhead(2')	None	6	110	1	\$ 7,100.00								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 15,600.00	
	NS37-3	Bukhead (NE)	24.0	12.0	VCP	Long. Crack(12', 16', 22')	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS67-11SW	NS67-11NW	25.0	12.0	VCP	Mult and Long. Cracks T/O, Lt MD at joints T/O	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS67-12	Bulkhead (NW)	27.0	12.0	VCP	Mult Cracks(5', 7', 13', 29'), Broken(28')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS67-13NE	NS67-13NW	24.0	12.0	VCP	Mult Cracks T/O, Lt MD at joints(16'-27')	Dig Mainline	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS67-7	NS67-7SW	55.0	12.0	VCP	Mult Cracks T/O, Long. Crack(37', 59'), Lt MD at joints T/O, backflow preventer(113')	None	6			\$	-							\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 8,500.00	
	NS67-9	NS67-10NW	76.0	12.0	VCP	Mult Crack T/O, Long. Crack(7', 11', 13', 24'), Lt MD at joints T/O	None	6	76		\$ 4,560.00								\$	-	\$	-	1	\$ 8,500.00	\$	-	\$ 13,060.00	
	NN39-3	Bulkhead(N)	15.0	12.0	VCP	Spiral Crack(5'), Line ends at bulkhead(7')	None	6			\$	-							\$	-	\$	-	\$	\$ -	\$ -	\$ -	\$ -	
	NN39-4	Bulkhead (NW)	56.0	12.0	VCP	Long. And Mult Cracks T/O, Line ends in bulkhead(41')	None	6			\$	-							\$	-	\$	-	\$	\$ -	\$ -	\$ -	\$ -	
	NN39-7	Bulkhead(NW)	30.0	12.0	VCP	Lt MD at joints(12', 17'), Line ends in bulkhead	None	6			\$	-							\$	-	\$	-	\$	\$ -	\$ -	\$ -	\$ -	

PIPE ID	MH	to MH	AB LENGTH (FT)	AB SIZE (IN)	AB PIPE MAT.	COMMENTS	RECOMMENDATIONS	Criticality Score (BRE)	FULL LENGTH CIPP LINING				SECTIONAL CIPP LINING						BUILD MH	DIG-UPS									
									LATERTALS			LENGTH (FT)	CUT PRO RE SUBTOTAL			LENGTH (FT)			LATERTALS			SUBTOTAL	NO.	SUBTOTAL	MAIN LINE	SUBTOTAL	LATERAL	SUBTOTAL	
									3	6	10		15	20	25	CUT PRO	RE	3	6	10	15	20	25						
	B16	B5-13	296.0	12.0	VCP	Line in poor condition. Hinge Fractures(88', 94', 112'-116', 203, 224'-236'). Broken(169'-179', 200'-209')		7.5	296		1	\$ 18,260.00												\$ -	\$ -	\$ -	\$ -	\$ 18,260.00	

## Appendix H – Critical Analysis Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
B11-0	Veronica	19011	Manhole	Paved Concrete	54	11.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Point Pipes	2016	0145-0458
B11-0-2	Veronica	19111	Manhole	Paved Concrete	48	9.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B11-0-2SE	Veronica	19131	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Point Pipes	2016	0145-0458
B11-0-2SSE	Veronica	19146	Catch Basin	Paved Concrete	42	3.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B11-0-N	Veronica	19011	Catch Basin	Paved Concrete	48	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B11-0-NW	Veronica (on Raven)	19011	Catch Basin	Paved Concrete	36	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B11-0-SW	Veronica	19020	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B11-0-WSW	Veronica (on Raven)	19020	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B11-1	Veronica	18097	Manhole	Paved Concrete	48	13.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Point Pipes	2016	0145-0458
B11-1N	Veronica	18097	Catch Basin	Paved Concrete	48	5.5	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
B11-1NE	Veronica (on Raven)	18097	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
B11-1S	Veronica (on Raven)	18090	Catch Basin	Paved Concrete	48	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
B11-1SW	Veronica	18090	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
B11-2	Veronica	18031	Manhole	Paved Concrete	48	11.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B11-2NW	Veronica	18011	Catch Basin	Paved Concrete	48	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B11-2SW	Veronica	18010	Catch Basin	Paved Concrete	42	3.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B11-3	Veronica	17951	Manhole	Paved Concrete	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B11-4	Kelly NB, located on Veronica.	21440	Manhole	Paved Concrete	48	10.7	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
B11-4NE	Kelly NB	21462	Catch Basin	Paved Concrete	48	3.5	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
B11-4SW	Kelly NB	21400	Catch Basin	Paved Concrete	48	4.1	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
B12-1	Collinson	19027	Manhole	Paved Concrete	48		Precast	1	1	0.8	0.2	0.5	3.5	2	7	Internal Chimney Seal	2016	0145-0458
B12-1N	Collinson, cb on Raven	19027	Catch Basin	Paved Concrete	46	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B12-1NNW	Collinson, cb on Raven	18111	Catch Basin	Paved Concrete	46	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B12-2	Collinson	19081	Manhole	Paved Concrete	48	13.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B12-3-1	Collinson	19173	Manhole	Paved Concrete	48	10.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Install Drop Connection, Point Pipes	2016	0145-0458
B12-3-1E	Collinson	19191	Catch Basin	Paved Concrete	36	5.6	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
B12-3-1SE	Collinson	19200	Catch Basin	Paved Concrete	48	5.2	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
B12-3NW	Collinson	19101	Catch Basin	Paved Concrete	42	5.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
B12-3S	Collinson, cb on Julian	19146	Catch Basin	Paved Concrete	42	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
B12-3SW	Collinson, cb on Juliana	19120	Catch Basin	Paved Concrete	46	5.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
B12-3W	Collinson	19120	Catch Basin	Paved Concrete	46	5.2	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
B12-4	Juliana	18270	Manhole	Paved Concrete	48	12.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B12-5	Juliana	18190	Manhole	Paved Concrete	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Point Pipes, Install Drop Connection	2016	0145-0458
B12-5NE	Juliana	18171	Catch Basin	Paved Concrete	32	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
B12-5SE	Juliana	18190	Catch Basin	Paved Concrete	42	5.2	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
B12-5SW	Juliana	18180	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B14-1	Collinson	18111	Manhole	Paved Concrete	48	12.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B14-1NE	Collinson	18111	Catch Basin	Paved Concrete	46	5.3	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
B14-1SE	Collinson	19010	Catch Basin	Paved Concrete	46	5.9	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
B14-1SSW	Collinson	19010	Catch Basin	Paved Concrete	46	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B14-1SW	Collinson	18110	Catch Basin	Paved Concrete	42	6.2	None	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
B14-2	Collinson	18059	Manhole	Paved Concrete	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B14-2NW	Collinson	18059	Catch Basin	Paved Concrete	46	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B14-2SW	Collinson	18082	Catch Basin	Paved Concrete	46	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B14-3	Collinson	18005	Manhole	Paved Concrete	48	10.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B14-3N	Collinson	18005	Catch Basin	Paved Concrete	36	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
B14-3WSW	Collinson	18005	Catch Basin	Paved Concrete	42	3.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B14-4	Collinson	17854	Manhole	Paved Concrete	60	10.4	Precast	1	1	1	1	0.5	4.5	2	9		2016	0145-0458
B17-1	Ego (on Sprenger)	18000	Manhole	Paved Concrete	48	15.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Seal Wall Joints, Install Drop Connection	2016	0145-0458
B17-1-2	Sprenger	17790	Manhole	Paved Concrete	48	11.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Install Channel, Internal Chimney Seal	2016	0145-0458
B17-1-2SE	Sprenger	18000	Catch Basin	Paved Concrete	48	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
B17-1-2SW	Sprenger	17790	Catch Basin	Paved Concrete	48	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Point Pipes	2016	0145-0458
B17-1-3	Sprenger	17790	Manhole	Paved Concrete	48	11.3	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Install Drop Connection	2016	0145-0458
B17-1-4	Sprenger	17710	Manhole	Paved Concrete	48	9.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Remove Debris	2016	0145-0458
B17-1SE	Ego (on Sprenger)	18000	Catch Basin	Paved Concrete	48	5.7	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
B17-1SW	Ego (on Sprenger)	17830	Catch Basin	Paved Concrete	24	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
B17-2	Ego	17830	Manhole	Paved Concrete	48	13.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Point Pipes	2016	0145-0458
B17-2NW	Ego	17821	Catch Basin	Paved Concrete	48	5.3	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
B17-2SW	Ego	17830	Catch Basin	Paved Concrete	48	5.5	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
B17-3	Ego	17790	Manhole	Paved Concrete	48	11.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B17-4	Ego	17710	Manhole	Paved Concrete	48	9.7	Block	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B17-4E	Ego	17710	Catch Basin	Paved Concrete	45	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
B17-4NE	Ego	17745/	Catch Basin	Paved Concrete	48	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B17-5	Kelly NB	20960	Manhole	Paved Concrete	54	9.0	Block	1	1	0.8	0.8	1	4.6	2	9.2	Seal Wall Joints	2016	0145-0458
B17-5-1	Kelly NB, located on Ego.	20960	Manhole	Paved Concrete	48	9.8	Precast	1	1	0.8	1	1	4.8	2	9.6	Seal Wall Joints, Remove Debris	2016	0145-0458
B17-5NE	Kelly NB	21040	Catch Basin	Paved Concrete	48	4.2	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
B17-5SW	Kelly NB	20960	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B19-0	Juliana	18000	Manhole	Paved Concrete	48	12.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B19-0-1	Juliana	18050	Manhole	Paved Concrete	0	10.3	Precast	1	1	0.5	1	0.5	4	2	8	Internal Chimney Seal, Remove Calcite Buildup	2016	0145-0458
B19-1	Juliana	17870	Manhole	Paved Concrete	48	14.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B19-1NW	Juliana	17875	Catch Basin	Paved Concrete	42	3.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
B19-1SW	Juliana	17870	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
B19-2	Juliana	17812	Manhole	Paved Concrete	48	8.1	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2	Internal Chimney Seal	2016	0145-0458
B19-3	Juliana	17745	Manhole	Paved Concrete	48	6.4	Block	1	1	0.8	0.6	0.5	3.9	2	7.8	Internal Chimney Seal	2016	0145-0458
B19-3ESE	Juliana, located on Webber	17750	Catch Basin	Paved Concrete	18	5.1	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
B19-3NE	Juliana	17745	Catch Basin	Paved Concrete	36	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
B19-3SW	Juliana, located across Webber	17750	Catch Basin	Paved Concrete	18	5.2	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
B19NE	Juliana (on Emile)	18007	Catch Basin	Paved Concrete	48	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
B19NW	Juliana (on Emile)	17875	Catch Basin	Paved Concrete	24	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
B19-SE	Juliana (on Emile)	18000	Catch Basin	Paved Concrete	42	5.4	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
B19SW	Juliana (on Emile)	17870	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
B20-1	8 Mile (in alley behind business)	18023	Manhole	Paved Concrete	48	8.8	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
B20-2	8 Mile (in alley behind business)	18055	Manhole	Paved Concrete	48	6.2	Precast	1	1	0.8	0.6	0.5	3.9	2	7.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
B20-2SE	8 Mile (in alley behind business)	18055	Catch Basin	Paved Concrete	42	3.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
B2SW	Rosetta	19098	Catch Basin	Paved Concrete	24	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
B2W	Beaconsfield	21801	Catch Basin	Paved Concrete	36	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B3N	Beaconsfield	21508	Catch Basin	Paved Concrete	48	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
B3NNW	Lister	19145	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
B3NW	Beaconsfield	21500	Catch Basin	Yard Front	48		Block	0.5	0.5	0.8	0.2	0.5	2.5	3	7.5	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
B4-1	Mott	19166	Manhole	Yard Side	48	6.1	Brick	1	0.5	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
B4-1NE	Beaconsfield, across street	21353	Catch Basin	Paved Concrete	48	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B4-1NNE	Beaconsfield	21353	Catch Basin	Paved Concrete	48	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B4-1S	Mott, CB on Beaconsfield	19166	Catch Basin	Paved Concrete	24	3.8	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
B4-1SW	Mott	19166	Catch Basin	Paved Concrete	24	2.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B4-2	Beaconsfield	21293	Manhole	Paved Concrete	48	6.4	Brick	1	1	0.8	0.6	0.5	3.9	2	7.8		2016	0145-0458
B4-2-1	Mott	19096	Manhole	Yard Back	42	7.1	Brick	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458
B4-2-3	Raven	21791	Manhole	Driveway Concrete	42	5.7	Brick	1	0.5	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
B4-2-3-1	Mott, MH on raven	18370	Manhole	Paved Concrete	36	3.6	Block	1	1	0.5	0.4	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
B4-2-3-1E	Mott	19005	Catch Basin	Paved Concrete	18	3.0	Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Replace Manhole	2016	0145-0458
B4-2-3-1ESE	Mott	19006	Catch Basin	Paved Concrete	18	3.0	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
B4-2-3-1N	Mott	18370	Catch Basin	Paved Concrete	18	2.5	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Remove Debris	2016	0145-0458
B4-2-3-1NNE	Mott	18363	Catch Basin	Paved Concrete	18	2.4	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
B4-3-1N	Mott	19105	Catch Basin	Paved Concrete	24	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
B4-3-1NW	Mott	19096	Catch Basin	Paved Concrete	48	3.4	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B5-13NW	Raven (on Ego)	21201	Catch Basin	Paved Concrete	48	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B5-13S	Ego	18090	Catch Basin	Paved Concrete	42	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
B5-1-5N	Mott	18313	Catch Basin	Paved Concrete	18	5.2	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Replace Manhole	2016	0145-0458
B5-1-5NW	Mott	18310	Catch Basin	Paved Concrete	18	4.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
B5-1-5W	Eastland, located on Mott	21810	Catch Basin	Paved Concrete	18	3.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
B5-1-6NE	Mott	18253	Catch Basin	Paved Concrete	18	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct	2016	0145-0458
B5-1-6SW	Eastland	21810	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
B5-1-6W	Mott, located on Eastland.	18250	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Remove Debris, Vactor Clean	2016	0145-0458
B5-3-1NNE	Toepfer	19145	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal	2016	0145-0458
B5-3-3S	Toepfer (on Raven)	19006	Catch Basin	Paved Concrete	48	5.9	Block	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
B5-3-3SW	Toepfer (on Raven)	18180	Catch Basin	Paved Concrete	42	5.5	Block	0.5	1	0.8	0.6	1	3.9	2	7.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B5-6-10	Collinson, located on Kelly NB	17854	Manhole	Yard Front	48	8.7	Brick	1	0.5	0.8	0.8	1	4.1	2	8.2		2016	0145-0458

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B5-6-10-1	Collision, MH located on Kelly NB	17854	Manhole	Yard Front	48	8.0	Precast	1	0.5	0.8	0.8	1	4.1	2	8.2		2016	0145-0458
B5-6-10-2	Collinson, located on Kelly	17854	Manhole	Yard Front	42	8.4	Block	1	0.5	0.8	0.8	1	4.1	2	8.2		2016	0145-0458
B5-6-10-2W	Collinson, located on Kelly NB	17854	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Reset F&C w/Ext. Seal	2016	0145-0458
B5-6-10NW	Collinson, located on Kelly NB	17854	Catch Basin	Paved Concrete	48	4.7	Block	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal	2016	0145-0458
B5-6SSE	Beaconsfield	20911	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
B6N	Beaconsfield, E side of street	21225	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
B6NW	Beaconsfield	21225	Catch Basin	Paved Concrete	46	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
B7-1	Toepfer	19160	Manhole	Yard Side	48	14.1	Block	1	0.5	0.8	1	1	4.3	2	8.6		2016	0145-0458
B7-1NE	Toepfer	19160	Catch Basin	Paved Asphalt	24	3.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
B7-1SE	Toepfer, cb on E side of Beaconsfield	19160	Catch Basin	Paved Concrete	24	3.6	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
B7-3	Beaconsfield	19160	Manhole	Yard Front	48	11.9	Block	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
B7-3N	Beaconsfield, cb on Veronica	20939	Catch Basin	Paved Concrete	46	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B7-3NW	Beaconsfield, cb on Veronica	20939	Catch Basin	Paved Concrete	48	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B7-3W	Beaconsfield, cb on Veronica	20911	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
B7-4A	Beaconsfield	20887	Manhole	Paved Concrete	48	11.9	Block	1	1	0.8	1	0.5	4.3	2	8.6	Install Drop Connection	2016	0145-0458
B7-5	Collinson	19260	Manhole	Yard Side	48	10.8	Block	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
B7-5E	Beaconsfield	19260	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
B7-5NW	Collinson	19271	Catch Basin	Paved Concrete	24	2.9	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
B7-5WNW	Collinson	19260	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
B9-1	Toepfer	19005	Manhole	Paved Concrete	48	13.8	Precast	1	1	0.8	1	1	4.8	2	9.6	Install Drop Connection	2016	0145-0458
B9-1-1	Toepfer	19005	Manhole	Yard Side	36	11.9	Precast	1	0.5	0.5	1	1	4	2	8		2016	0145-0458
B9-1-1A	Raven	21760	Manhole	Driveway Concrete	48	6.5	Precast	1	0.5	0.8	0.6	0.5	3.4	2	6.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
B9-1-1NW	Toepfer (on Raven)	19005	Catch Basin	Paved Concrete	48	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
B9-1-2	Raven	21760	Manhole	Yard Front	48	6.2	Block	1	0.5	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
B9-1-2N	Raven	21760	Catch Basin	Paved Concrete	24	3.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
B9-1-3	Raven	21771	Manhole	Paved Concrete	48	4.4	Brick	1	1	0.8	0.4	0.5	3.7	2	7.4		2016	0145-0458
B9-1-3N	Raven	21771	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
B9-1-4	Fairlane	21781	Manhole	Paved Concrete	48	4.5	Brick	1	1	0.8	0.4	0.5	3.7	2	7.4		2016	0145-0458
B9-1-4E	Fairlane	21780	Catch Basin	Paved Concrete	24	2.7	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458

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B9-1-4NW	Fairlane	21781	Catch Basin	Paved Concrete	24	2.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
B9-1-5	Eastland	21781	Manhole	Paved Concrete	45	4.3	Brick	1	1	0.8	0.4	0.5	3.7	2	7.4	Seal Wall Joints	2016	0145-0458
B9-1-5E	Eastland	21780	Catch Basin	Paved Concrete	18	2.0	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
B9-1-5NW	Eastland	21781	Catch Basin	Paved Concrete			Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
B9-1N	Toepfer (on Raven)	18175	Catch Basin	Paved Concrete	48	4.4	Block	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
B9-2	Toepfer	18175	Manhole	Paved Concrete	48		Precast	1	1	0.8	0.2	1	4	2	8	Internal Chimney Seal, Remove Debris, Install Drop Connection	2016	0145-0458
B9-2NNW	Toepfer	18175	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
B9-2WSW	Toepfer	18180	Catch Basin	Paved Concrete	48	4.4	Block	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B9-3	Toepfer	18125	Manhole	Paved Asphalt	48	13.3	Precast	1	1	0.8	1	1	4.8	2	9.6	Internal Chimney Seal	2016	0145-0458
B9-4SE	Toepfer	18088	Catch Basin	Paved Asphalt	48	3.8	Block	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B9-5-1	Kelly NB	21510	Manhole	Paved Concrete	48	10.0	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
B9-5SW	Kelly NB, located in middle easement.	21560	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
B9NE	Toepfer	19005	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B9SE	Toepfer	19006	Catch Basin	Paved Concrete	48	4.3	Block	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
E10	Normandy Ave	22402	Combined MH	Paved-Conc	48	14.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E11	Brittany Ave	22402	Combined MH	Paved-Conc	48	13.0	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E12	Gascony Ave	22404	Combined MH	Paved-Conc	48	15.8	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E13	Tuscany Ave	22404	Combined MH	Paved-Conc	48	14.8	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E14	Lambrecht Ave	22408	Combined MH	Paved-Conc	48	14.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E15	Saxony Ave	22404	Combined MH	Paved-Conc	48	15.7	Other	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
E16	David Ave	22403	Combined MH	Paved-Conc	48	30.0	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E17	Rausch Ave	22404	Combined MH	Paved-Conc	48	14.3	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E18	Donald Ave	22174	Combined MH	Paved-Conc	48	16.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E19	Cushing Ave	22404	Combined MH	Paved-Conc	48	13.8	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E19-3SE	Juliana	17750	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
E20	Rein Ave	22408	Combined MH	Paved-Conc	48	14.8	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E21	Piper Ave	22408	Combined MH	Paved-Conc	48	15.3	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E22	Shakespeare Ave	22176	Combined MH	Paved-Conc	48	15.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E23	Pleasant Ave	22154	Combined MH	Paved-Conc	48	15.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320

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E23-1	Pleasant Ave	22154	Combined MH	Paved-Conc	48	15.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
E23-1-1	Melrose Ct	22177	Combined MH	Yard-Side	48	14.6	Precast	1	0.5	0.8	1	0.5	3.8	4	15.2		2016	0145-0458
E23-1-1A	Oak Ave	@ Melrose	Combined MH	Paved-Conc	48	3.0	Precast	1	1	0.8	0.2	0.5	3.5	2	7		2007	0145-0320
E23-1-2	Melrose Ct	22176	Combined MH	Sidewalk	48	13.6	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
E23-1-2-1	Melrose Ct	22116	Combined MH	Yard-Front	48	10.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
E23-1-2-1SW	Melrose	22116	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
E23-1-2-1W	Melrose	22117	Catch Basin	Paved Concrete	24	3.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
E23-1-2-2N	Melrose	22066	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Seal Wall Joints	2016	0145-0458
E23-1-2-2NW	Melrose	22061	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
E23-1-2A	Melrose Ct	22474	Combined MH	Yard-Front	48	8.6	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
E23-1-2AW	Melrose	22483	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Reset F&C w/Ext. Seal, Pavement Replacement, Chimney Reconstruct, Raise	2016	0145-0458
E23-1-2NNW	Melrose	22404	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
E23-1-2NW	Melrose	22403	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
E23-1-2SW	Melrose	22177	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
E23-1-3	Shakespeare Ave	22177	Combined MH	Non-Paved	48	13.3	Precast	1	0.5	0.8	1	0.5	3.8	4	15.2		2016	0145-0458
E23-1E	Boulder, cb on Oak	22154	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
E23-1NE	Boulder, cb on Oak	22404	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
E23-1NW	Pleasant, cb on Oak	22403	Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Vactor Clean	2016	0145-0458
E23-1W	Pleasant, cb on Oak	22153	Catch Basin	Paved Concrete	36	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
E23-2	Pleasant Ave	22074	Combined MH	Paved-Conc	48	14.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
E23-2N	Pleasant	22104	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
E23-2NW	Pleasant	22103	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
E23-2S	Pleasant	22074	Catch Basin	Paved Concrete	24	6.8	Block	0.5	1	0.5	0.6	0.5	3.1	1	3.1		2016	0145-0458
E23-3	Pleasant Ave	21858	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
E23-3N	Pleasant	22004	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
E23-3NE	Pleasant, cb on Ash	22004	Catch Basin	Paved Concrete	24	2.6	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
E23-3NW	Pleasant	22005	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
E23-3S	Pleasant	21858	Catch Basin	Paved Concrete	22	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
E23-3SW	Pleasant	21857	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Replace Frame, Pavement Replacement	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
E23-4	Pleasant Ave	21788	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
E23-5	Pleasant Ave	21710	Combined MH				Brick	1	0.5	0.5	0.2	1	3.2	4	12.8		2016	0145-0458
E23-5S	Pleasant	21710	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	1	3.6	3	10.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
E23-5SW	Pleasant, cb on Toepfer	21703	Catch Basin	Paved Asphalt	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Vactor Clean	2016	0145-0458
E23-5W	Pleasant	21703	Catch Basin	Paved Concrete	24	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
E23-A	Pleasant Ave	22484	Combined MH	Paved-Conc	48	15.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
E23-A-1	Pleasant Ave	22434	Combined MH	Paved-Conc	48	15.8	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
E23-A-1NE	Pleasant	22434	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
E23-A-1NW	Pleasant	22433	Catch Basin	Paved Concrete	24	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Seal Wall Joints	2016	0145-0458
E23-AN	Pleasant	22494	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
E23-ANW	Pleasant	22483	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
E23-B	Pleasant Ave	16404	Combined MH	Paved-Asph	48	18.2	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
E23-B-2E	9 Mile	16450	Catch Basin	Paved Concrete	24	2.5	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
E23-B-2N	9 mile	16461	Catch Basin	Paved Concrete	24	2.6	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Point Pipes	2016	0145-0458
E23-BSE	9 Mile	16404	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Point Pipes, Remove Debris	2016	0145-0458
E23-BW	9 Mile	16370	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
E6-2ANE	Kelly (on Empire)	22501	Catch Basin	Paved Concrete	24	2.6	Precast	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
E6-2ASE	Kelly (on Empire)	22421	Catch Basin	Paved Concrete	48	3.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
E6-3AN	Kelly (on Holland)	22521	Catch Basin	Paved Concrete	48	4.2	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
E6-3ANE	Kelly (on Holland, N side of street)	22521	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
E9	Schroeder Ave	22402	Combined MH	Paved-Conc	48	14.3	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
EH-24-1-1ASW	Beaconsfield	22149	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
EH-24-1-1AW	Beaconsfield	22149	Catch Basin	Paved Concrete	24	3.4	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal, Point Pipes, Seal Wall Joints	2016	0145-0458
EH-25NW	Breaconsfield	22125	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal	2016	0145-0458
EH-25S	Beaconsfield	21913	Catch Basin	Paved Concrete	48	3.3	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Vactor Clean, Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Remove Debris	2016	0145-0458
EH-32-10	Kelly	21365	Manhole	Paved Concrete	42	13.9	Block	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
EH-32-10E	Kelly	21365	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-10NE	Kelly	21409	Catch Basin	Paved Concrete	24	3.8	Combination	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
EH-32-11	Kelly	21231	Manhole	Paved Concrete	60	13.4	Block	1	1	1	1	1	5	2	10		2016	0145-0458

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EH-32-11E	Kelly	21231	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-12	Kelly	21063	Manhole	Paved Asphalt	60	13.4	Block	1	1	1	1	1	5	2	10	Remove Debris	2016	0145-0458
EH-32-12E	Kelly	21063	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-12NE	Kelly	21225	Catch Basin	Paved Concrete	24	4.1	Combination	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
EH-32-13	Kelly	20971	Manhole	Driveway Concrete	60	11.9	Block	1	0.5	1	1	1	4.5	2	9		2016	0145-0458
EH-32-13SE	Kelly	20971	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-14	Kelly	20865	Manhole	Paved Asphalt	60	12.1	Block	1	1	1	1	1	5	2	10		2016	0145-0458
EH-32-14-1	Kelly, located in middle easement	20901	Manhole	Yard Front	48		Precast	1	0.5	0.8	0.2	1	3.5	2	7		2016	0145-0458
EH-32-14-2	Kelly SB	20861	Manhole	Yard Front	42	5.5	Block	1	0.5	0.8	0.6	1	3.9	2	7.8	Seal Wall Joints	2016	0145-0458
EH-32-14-3	Kelly SB	20861	Manhole	Yard Front	24	3.6	Precast	1	0.5	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
EH-32-14E	Kelly NB	20920	Catch Basin	Paved Concrete	48	3.7	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-14ENE	Kelly, middle turn lane.	20901	Catch Basin	Paved Concrete	48	3.4	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-14NE	Kelly, CB on Juliana	20865	Catch Basin	Paved Concrete	48	4.0	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-14NNE	Kelly, CB on Juliana	20901	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
EH-32-15	Kelly SB, located on Stricker	20715	Manhole	Paved Asphalt	60	11.6	Block	1	1	1	1	1	5	2	10		2016	0145-0458
EH-32-15-0	Kelly SB	20715	Manhole	Paved Concrete	60	6.3	Precast	1	1	1	0.6	1	4.6	2	9.2		2016	0145-0458
EH-32-15-0-1	Kelly NB, located on easement	17755	Manhole	Paved Concrete	60	5.3	Precast	1	1	1	0.6	1	4.6	2	9.2		2016	0145-0458
EH-32-15-0-1ENE	Kelly NB	17755	Catch Basin	Paved Concrete	48	4.2	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-15-0-1NE	Kelly NB, located on middle easement.	17755	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-15-0-1NE	Kelly	20811	Catch Basin	Paved Concrete	48	3.8	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-15-0S	Kelly	20715	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
EH-32-15-3NW	8 mile, CB on curb of easement on Kelly Rd.	17755	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Point Pipes	2016	0145-0458
EH-32-16	Kelly SB, CB located on Stricker	20715	Manhole	Paved Concrete	48	9.9	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
EH-32-17	Stricker	17407	Combined MH	Paved Concrete	60	5.6	Precast	1	1	1	0.6	0.5	4.1	2	8.2	Internal Chimney Seal	2016	0145-0458
EH-32-17N	Stricker	17397	Catch Basin	Paved Concrete	20	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
EH-32-17S	Stricker	17392	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct	2016	0145-0458
EH-32-18	Stricker	17344	Manhole	Paved Concrete	48	4.4	Precast	1	1	0.8	0.4	0.5	3.7	2	7.4		2016	0145-0458
EH-32-18S	Stricker	17344	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
EH-32-19	Stricker, located in the intersection with david	17304	Manhole	Paved Concrete	45	4.5	Precast	1	1	0.8	0.4	0.5	3.7	2	7.4		2016	0145-0458

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EH-32-19N	Stricker, located on David.	17303	Catch Basin	Paved Concrete	24	2.4	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
EH-32-19NW	Stricker, located on David	17145	Catch Basin	Paved Concrete	24	2.3	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
EH-32-19W	Stricker	17148	Catch Basin	Paved Concrete	24	2.7	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
EH-32-19WNW	Stricker	17145	Catch Basin	Paved Concrete	24	2.2	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
EH-32-1NE	Kelly (on Oak)	22345	Catch Basin	Paved Concrete	24	3.5	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
EH-32-1NNE	Kelly (on Oak)	22401	Catch Basin	Paved Concrete	48		Precast	0.5	1	0.8	0.2	1	3.5	2	7		2016	0145-0458
EH-32-9	Kelly	21439	Manhole	Yard Side	48	13.2	Block	1	0.5	0.8	1	1	4.3	2	8.6	Seal Wall Joints	2016	0145-0458
EH-32-9E	Kelly	21439	Catch Basin	Paved Concrete	48	4.1	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
EH-32-9N	Kelly	21501	Catch Basin	Paved Concrete	21	3.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
EH-33-11NE	Kelly	21321	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
EH-33-13NE	Kelly	21021	Catch Basin	Paved Concrete	24	4.2	Combination	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
EH-33AN	Oak, cb on Almond (east side)	18321	Catch Basin	Paved Concrete	45	4.3	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
EH-33ANNW	Oak, cb on Almond (west side)	18321	Catch Basin	Paved Concrete	24	2.2	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
EH-33ANW	Oak	18313	Catch Basin	Paved Concrete	20	2.6	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
EH-33AW	Oak	18320	Catch Basin	Paved Concrete	37	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints, Remove Debris	2016	0145-0458
EH-54E	Boulder, cb on Oak	22180	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Raise	2016	0145-0458
EH-54S	Boulder, cb on Oak	22154	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
EH-58ENE	Redmond, CB on Toepfer	21672	Catch Basin	Paved Asphalt	18	5.3	Precast	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
FV-16E	9 Mile	18800	Catch Basin	Paved Concrete	48	2.5	Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
FV-16W	9 Mile	18700	Catch Basin	Paved Concrete	24	4.5	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
FV-34	Normandy	23002	Manhole	Sidewalk	44	6.0	Block	1	0.5	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
KMD07142015N	Ash	19065	Catch Basin	Paved Asphalt	18	3.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
KMD07142015S	Ash	19066	Catch Basin	Paved Asphalt	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
MRM06232015	Hayes	23010	Catch Basin	Paved Concrete	24	3.9	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
MRM06252015N	Henrietta (on South Park)	22805	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
MRM06252015S	South Park	15568	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
MRM06292015	Gratiot (on South Park)	22785	Catch Basin	Paved Concrete	24	2.3	Precast	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
MRM06292015-2	Gratiot (on Charles)	23002	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
MRM06292015-3	Gratiot	23002	Catch Basin	Paved Asphalt	48	3.8	Brick	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
MRM06292015-4	Gratiot	23055	Catch Basin	Paved Asphalt	26	2.8	Block	0.5	1	0.5	0.2	1	3.2	4	12.8	Internal Chimney Seal, Replace Manhole, Pavement Replacement, Point Pipes, Remove Debris	2016	0145-0458
MRM06292015-5	Gratiot	23055	Catch Basin	Paved Asphalt	42	3.0		0.5	1	0.8	0.2	1	3.5	2	7	Internal Chimney Seal, Point Pipes	2016	0145-0458
MRM06292015-6	Gratiot	23203	Catch Basin	Paved Asphalt	42	3.5	Brick	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal	2016	0145-0458
MRM06292015-8	Gratiot (on Evergreen)	23203	Catch Basin	Paved Concrete	24	3.6	Brick	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
MRM06292015-9	Gratiot	23315	Catch Basin	Paved Asphalt	42	5.3	Brick	0.5	1	0.8	0.6	1	3.9	2	7.8	Internal Chimney Seal, Point Pipes	2016	0145-0458
MRM06302015-0	Gratiot (on Semrau)	23715	Catch Basin	Paved Concrete	39	2.5	Brick	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
MRM06302015-1	Gratiot	23349	Catch Basin	Paved Asphalt	42	3.0		0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal, Remove Debris	2016	0145-0458
N12SE	9 Mile	18140	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
N12WNW	9 Mile	18139	Catch Basin	Paved Asphalt	48	3.1	Block	0.5	1	0.8	0.4	1	3.7	2	7.4	Seal Wall Joints	2016	0145-0458
N13N	9 Mile	18001	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
N13-SE	9 Mile	18040	Catch Basin	Paved Asphalt	24	4.4	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
N14NW	9 Mile	18001	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	1	3.6	2	7.2	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
N14-SW	9 Mile	17954	Catch Basin	Paved Concrete	30	3.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
N15-SSE	9 Mile	17934	Catch Basin	Paved Concrete	24	2.7	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
N16A-NW	9 Mile	17831	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
N16-WNW	9 Mile	17921	Catch Basin	Paved Asphalt	24	4.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
N19-W	9 Mile	17801	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
N21-SE	9 Mile	17700	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
N21-WNW	Brittany (on 9 Mile)	22715	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
N24-NW	9 Mile	17615	Catch Basin	Paved Asphalt	24	2.8	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Seal Wall Joints, Chimney Reconstruct, Pavement Replacement, Point Pipes	2016	0145-0458
N27NW	9 Mile	17511	Catch Basin	Paved Asphalt	24	2.0	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Chimney Reconstruct, Pavement Replacement, Vactor Clean, Point Pipes	2016	0145-0458
N2AS	9 Mile	18850	Catch Basin	Paved Concrete	48	3.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
N2SSE	9 Mile	18224	Catch Basin	Paved Concrete	26	3.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints, Point Pipes	2016	0145-0458
N30N	9 Mile	17335	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
N4SE	Kelly (on 9 Mile)	22640	Catch Basin	Paved Concrete	21	2.4	Precast	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
N50NW	9 Mile	16749	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
N56NE	9 Mile	16401	Catch Basin	Paved Asphalt	21	3.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
N56NW	9 Mile	16375	Catch Basin	Paved Asphalt	24	3.1	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
N57NW	9 Mile	16344	Catch Basin	Paved Concrete	24	3.1	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458

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N5-SW	9 Mile, CB on Intersection of Kelly and 9 Mile.	18640	Catch Basin	Paved Concrete	48	1.7	Precast	0.5	1	0.8	0.2	1	3.5	2	7	Internal Chimney Seal	2016	0145-0458
N61NE	9 Mile	16129	Catch Basin	Paved Asphalt	24	3.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
N66-22NE	Hayes & Chesterfield	24820	Catch Basin	Paved Concrete	18			0.5	1	0.5	0.2	0.5	2.7	5	13.5	Chimney Reconstruct, Vactor Clean	2016	0145-0458
N70NW	9 Mile	14191	Catch Basin	Paved Asphalt	24	4.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
N7AE	9 Mile	18561	Catch Basin	Paved Concrete	48	4.5	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal	2016	0145-0458
N7ANW	9 Mile		Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
N7AS	9 Mile	18548	Catch Basin	Paved Asphalt	21	4.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
N7ASE	9 Mile	18592	Catch Basin	Paved Asphalt	48	4.2	Block	0.5	1	0.8	0.4	1	3.7	2	7.4	Seal Wall Joints	2016	0145-0458
N8AN	9 Mile	18405	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
N9SE	9 Mile (on Almond)	18400	Catch Basin	Paved Concrete	24	2.9	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
N9SSE	9 Mile	18500	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NM66-3NE	South Park (on Grove)	15501	Catch Basin	Paved Concrete	18	5.1	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN16-1	Schroeder Ave		Combined MH	Paved-Asph	48	14.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-10	Schroeder Ave		Combined MH	Paved-Asph	48	17.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NN16-10-11	Schroeder Ave	Park	Combined MH	Field	48	16.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NN16-10-12	Stephens Rd	Park	Combined MH	Field	48	15.5	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NN16-10-13	Brittany Ave	24228	Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN16-10-14	Tuscany Ave	24224	Combined MH	Paved-Conc	48	17.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN16-10-14A	Stephens Rd	17525	Combined MH	Paved-Conc	48	16.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-14N	Tuscany	24236	Catch Basin	Paved Concrete	24	3.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN16-10-14NW	Tuscany	24237	Catch Basin	Driveway Concrete	24	3.7	Block	0.5	0.5	0.5	0.4	0.5	2.4	2	4.8	Vactor Clean	2016	0145-0458
NN16-10-15	Stephens Rd	17503	Combined MH	Paved-Conc	48	16.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-16	Stephens Rd	17445	Combined MH	Paved-Conc				1	1	0.5	0.2	0.5	3.2	2	6.4		2016	0145-0458
NN16-10-17	Stephens Rd	17435	Combined MH	Paved-Conc	48	17.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-10	Ten Mile Rd	DPW Yard	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN16-10-2-11	Ten Mile Rd	DPW Yard	Combined MH	Paved-Conc	48	12.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-12	Ten Mile Rd	17712	Combined MH	Paved-Conc	48	10.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-13	Brittany Ave		Combined MH	Paved-Conc	48	13.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-14	Ten Mile Rd	17830	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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NN16-10-2-15	Lambrecht Ave	24940	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-15A	Lambrecht Ave	24935	Combined MH	Yard-Front	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-15NE	Lambrecht	24935	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Replace Manhole	2016	0145-0458
NN16-10-2-15NW	Lambricht	24935	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN16-10-2-16	Lambrecht Ave	24935	Combined MH	Yard-Back	48	12.3	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2007	0145-0320
NN16-10-2-7	Schroeder Ave		Combined MH	Paved-Asph	48	16.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-10-2-9	Ten Mile Rd	DPW Yard	Sanitary MH	Paved-Conc	48	14.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-2	Schroeder Ave	22745	Combined MH	Paved-Asph	48	14.2	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NN16-3	Schroeder Ave	22785	Combined MH	Paved-Asph	48	14.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-3A	Schroeder Ave	22821	Combined MH	Paved-Asph	48	14.2	Block	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-4	Schroeder Ave		Combined MH	Paved-Asph	48	15.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-5	Schroeder Ave	23100	Combined MH	Paved-Asph	48	14.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-6	Schroeder Ave	23128	Combined MH	Paved-Asph	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-7	Schroeder Ave	23180	Combined MH	Paved-Asph	48	14.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-8	Schroeder Ave	23764	Combined MH	Paved-Asph	48	13.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-9	Schroeder Ave	23834	Combined MH	Paved-Asph	48	13.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN19-1	Normandy Ave	22732	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-1A	Normandy Ave	22733	Combined MH	Yard-Side	48	12.5	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NN19-1N	Normandy	22732	Catch Basin	Paved Concrete	48	5.3	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NN19-1NW	Normandy	22733	Catch Basin	Paved Concrete	22	3.0	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN19-2	Normandy Ave	22780	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-2S	Normandy	22780	Catch Basin	Paved Concrete	42	4.7	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN19-3	Normandy Ave	22860	Combined MH	Paved-Conc	48	13.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-3S	Normandy	22844	Catch Basin	Paved Concrete	48	6.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Vactor Clean, Remove Debris, Internal Chimney Seal	2016	0145-0458
NN19-3SW	Normandy	22845	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN19-4	Normandy Ave	23082	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-4N	Normandy	23114	Catch Basin	Paved Concrete	18	4.6	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN19-4NW	Normandy	23115	Catch Basin	Paved Concrete	18	4.6	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN19-5	Normandy Ave	23170	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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NN19-5A	Normandy Ave	23736	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-5AN	Normandy	23736	Catch Basin	Paved Concrete	18	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN19-5ANW	Normandy	23737	Catch Basin	Paved Concrete	18	4.0	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Wall Joints, Remove Debris	2016	0145-0458
NN19-5NE	Normandy (located on Semrau)	23704	Catch Basin	Paved Concrete	48	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN19-6	Normandy Ave	23768	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-7	Normandy Ave	23840	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-7A	Normandy Ave	23856	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN19-7S	Normandy	23824	Catch Basin	Paved Concrete	20	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Vactor Clean, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN19-7SW	Normandy	23825	Catch Basin	Paved Concrete	18	3.6	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN21-1	Brittany Ave	22736	Combined MH	Paved-Conc	48	16.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-1A	Brittany Ave	22719	Combined MH	Yard-Back	48	10.8	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NN21-1N	Brittney	22736	Catch Basin	Paved Concrete	24	2.4	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN21-1NW	Brittney	22737	Catch Basin	Paved Concrete	21	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN21-2	Brittany Ave	22776	Combined MH	Paved-Conc	48	15.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-2 NNW	Brittney	22825	Catch Basin	Paved Concrete	21	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN21-2N	Brittney	22824	Catch Basin	Paved Concrete	16	5.7	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN21-3	Brittany Ave	22856	Combined MH	Paved-Conc	48	15.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-4	Brittany Ave	23084	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-4E	Brittney	23088	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN21-4N	Brittney	23118	Catch Basin	Paved Concrete	32	3.0	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN21-4NW	Brittney	23119	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN21-4W	Brittney	23089	Catch Basin	Paved Concrete	22	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Seal Wall Joints	2016	0145-0458
NN21-5	Brittany Ave	23166	Combined MH	Paved-Conc	48	11.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-6	Brittany Ave	23768	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-6A	Brittany Ave	23800	Combined MH	Paved-Conc	48	9.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-6ASE	Brittney	23800	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN21-6ASW	Brittney	23799	Catch Basin	Paved Concrete	28	2.9	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN21-6N	Brittney	23768	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN21-6NW	Brittney	23769	Catch Basin	Paved Concrete	18	3.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN21-7	Brittany Ave	23832	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-7N	Brittany	23832	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Manhole, Remove Debris	2016	0145-0458
NN21-7NW	Brittany	23831	Catch Basin	Paved Concrete	22	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN24-1	Tuscany Ave	22726	Combined MH	Paved-Conc	48	15.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-1N	Tuscany	22726	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Remove Debris, Seal Wall Joints	2016	0145-0458
NN24-1NW	Tuscany	22729	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN24-2	Tuscany Ave	22784	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-2N	Tuscany	22792	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN24-2NW	Tuscany	22791	Catch Basin	Paved Concrete	18	5.9	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Pavement Replacement, Vactor Clean, Remove Debris	2016	0145-0458
NN24-3	Tuscany Ave	22864	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-4	Tuscany Ave	23082	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN24-4N	Tuscany	23098	Catch Basin	Paved Concrete	22	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Remove Debris, Replace Manhole	2016	0145-0458
NN24-4NW	Tuscany	23101	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN24-5	Tuscany Ave	23170	Combined MH	Paved-Conc	48	10.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-6	Tuscany Ave	23768	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN24-6E	Tuscany	23768	Catch Basin	Paved Concrete	22	5.5	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct	2016	0145-0458
NN24-6W	Tuscany	23769	Catch Basin	Paved Concrete	22	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN24-7	Tuscany Ave	23836	Combined MH	Paved-Conc	48	10.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-7A	Tuscany Ave	23860	Combined MH	Paved-Conc	48	5.2	Precast	1	1	0.8	0.6	1	4.4	3	13.2		2016	0145-0458
NN24-7AN	Stephens (CB located on Tuscany)	17605	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN24-7ANW	Stephens (CB located on Tuscany)	17561	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN24-7AW	Stephens	17540	Catch Basin	Paved Concrete	48	3.8	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN24-7BN	Stephens	17643	Catch Basin	Paved Concrete	24	3.2	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN24-7BNNW	Stephens	17644	Catch Basin	Paved Concrete	48	3.7	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN24-7N	Tuscany	23836	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN24-7NW	Tuscany	23839	Catch Basin	Paved Concrete	22	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN26-1	Lambrecht Ave	22726	Combined MH	Paved-Conc	48	16.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-1N	Lambrecht	23726	Catch Basin	Paved Concrete	48	4.6	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN26-1NW	Lambrecht	22725	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN26-2	Lambrecht Ave	22782	Combined MH	Paved-Conc	48	14.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-2S	Lambrecht	22774	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN26-2SW	Lambrecht	22783	Catch Basin	Paved Concrete	20	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN26-3	Lambrecht Ave	22864	Combined MH	Paved-Conc	48	13.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-3N	Lambrecht	23002	Catch Basin	Paved Concrete	42	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN26-3NNW	Lambrecht	23003	Catch Basin	Paved Concrete	21	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN26-3NW	Lambrecht, CB on Norton	23003	Catch Basin	Paved Concrete	36	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NN26-3W	Lambrecht, CB on Norton	22861	Catch Basin	Paved Concrete	30	2.2	None	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NN26-4	Lambrecht Ave	23084	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-4N	Lambrecht	23098	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN26-4NW	Lambrecht	23099	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Raise	2016	0145-0458
NN26-5	Lambrecht Ave	23170	Combined MH	Paved-Conc	48	10.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-6	Lambrecht Ave	23770	Combined MH	Paved-Conc	48	9.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-6S	Lambrecht	23770	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Seal Wall Joints	2016	0145-0458
NN26-6SW	Lambrecht	23769	Catch Basin	Paved Concrete	22	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, External Seal	2016	0145-0458
NN26-7	Lambrecht Ave	23840	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-7NE	Lambrecht	23840	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN26-7NW	Lambrecht	23839	Catch Basin	Paved Concrete	24	2.8	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN29-1	Saxony Ave		Combined MH	Paved-Conc	48	20.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-10	Bell Ave	17225	Combined MH	Paved-Conc	48	17.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-11	Bell Ave	17215	Combined MH	Paved-Conc	48	16.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-1-1	Saxony Ave	22730	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-11-1	Saxony Ave	24680	Combined MH	Paved-Conc	48	12.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-11-1AS	Saxony	24640	Catch Basin	Paved Concrete	22	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-11-1AW	Saxony	24641	Catch Basin	Paved Concrete	18	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-11-12	Saxony Ave	24740	Combined MH	Paved-Conc	48	12.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN29-11-2N	Saxony	24802	Catch Basin	Paved Concrete	24	3.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-11-2NNW	Saxony	24805	Catch Basin	Paved Concrete	22	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-11-2NW	Saxony (located on Huass)	24805	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-11-2SW	Hauss	24741	Catch Basin	Paved Concrete	42	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Point Pipes, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-11-3	Saxony Ave	24876	Combined MH	Paved-Conc	48	11.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-11-3S	Saxony	24876	Catch Basin	Paved Concrete	24	2.7	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN29-11-3SE	Saxony	24869	Catch Basin	Paved Concrete	18	2.6	Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Remove Debris, Point Pipes, Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-11-4	Saxony Ave	24948	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-11-4-1	Saxony Ave	24948	Combined MH	Driveway-Conc	48	10.2	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NN29-11-4-1NW	10 Mile	17200	Catch Basin	Paved Concrete	24		Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN29-11-4A	Ten Mile Rd	17200	Combined MH	Paved-Asph	48	13.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-11-4N	10 mile	17200	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-11-4NW	Saxony	17200	Catch Basin	Paved Concrete	24	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-11-5AN	10 Mile (on Macomb)	17401	Catch Basin	Paved Concrete	42	3.5		0.5	1	0.8	0.4	1	3.7	2	7.4	Vactor Clean	2016	0145-0458
NN29-11-5ANE	10 Mile (on Macomb)	17525	Catch Basin	Paved Concrete	24	2.9	Block	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NN29-11-5ANW	10 Mile	17401	Catch Basin	Paved Concrete	24	2.3	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Seal Wall Joints, Remove Debris	2016	0145-0458
NN29-11-5S	10 Mile (on Saxony, across the street from address)	17200	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN29-11-5SW	10 Mile	17200	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NN29-11-6SE	10 Mile	17140	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN29-11NW	Bell	17175	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-11SW	Bell	17194	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-1-1SW	9 Mile (in alley behind building)	17423	Catch Basin	Paved Concrete	42	3.8		0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN29-12	Bell Ave	17125	Combined MH	Paved-Conc	48	16.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13	Bell Ave	17065	Combined MH	Paved-Conc	48	15.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-10	Adlai Ave	24840	Combined MH	Paved-Conc	48	8.1	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-13-11	Adlai Ave	24860	Combined MH	Paved-Conc	48	8.5	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-13-12	Adlai Ave	24880	Combined MH	Paved-Conc	48	8.2	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-13-12N	Adlai	24880	Catch Basin	Paved Concrete	18		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN29-13-12S	Adlai	24795	Catch Basin	Paved Concrete	18		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN29-13-12	Adlai Ave	24610	Combined MH	Paved-Conc	48	11.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-1A	Dwight Ave	24716	Combined MH	Yard-Front	48	11.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-1ANW	Dwight ave	24711	Catch Basin	Paved Concrete	18	5.2	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458

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NN29-13-2-1S	Dwight ave	24676	Catch Basin	Paved Concrete	48		Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NN29-13-2-1W	Dwight ave	24681	Catch Basin	Paved Concrete	24			0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN29-13-2-3	Dwight Ave	24776	Combined MH	Yard-Front	48	10.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-4	Dwight Ave	24786	Combined MH	Yard-Front	48	10.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-4A	Dwight Ave	24801	Combined MH	Paved-Conc	48	9.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-4NW	Dwight ave	24781	Catch Basin	Paved Concrete	18	4.5	Precast	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean	2016	0145-0458
NN29-13-2-4W	Dwight ave	24781	Catch Basin	Paved Concrete	18	4.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN29-13-2-5	Adlai Ave	24795	Combined MH	Yard-Front	48	9.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-6	Ten Mile Rd	17116	Combined MH	Paved-Asph	48	11.2	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-7	Ten Mile Rd	17140	Combined MH	Paved-Conc	48	10.1	Block	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-13-2N	Adlai	24625	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-13-2S	Adlai	24610	Catch Basin	Paved Asphalt	18	5.8	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NN29-13-2SW	Dwight	24621	Catch Basin	Paved Concrete	18	5.5	Precast	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-13-3	Adlai Ave	24620	Combined MH	Driveway-Conc	48	11.1	Other	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NN29-13-4	Adlai Ave	24650	Combined MH	Yard-Front	48	11.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-5	Adlai Ave	24710	Combined MH	Paved-Conc	48	10.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-5A	Adlai Ave	24690	Combined MH	Paved-Conc	48	9.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-5N	Adlai	24710	Catch Basin	Paved Concrete	18		Combination	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN29-13-5NW	Adlai	24655	Catch Basin	Paved Concrete	18	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Chimney Reconstruct, Vactor Clean	2016	0145-0458
NN29-13-5SW	Adlai	24650	Catch Basin	Paved Concrete	18		Combination	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN29-13-6	Adlai Ave	24720	Combined MH	Paved-Conc	48	10.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-7	Adlai Ave	24740	Combined MH	Paved-Conc	48	9.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-8	Adlai	24770	Catch Basin	Paved-Conc	48	9.7	Precast	0.5	1	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NN29-13-8S	Adlai	24760	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	0.5	2.7	5	13.5	Replace Manhole	2016	0145-0458
NN29-13-8W	Adlai	24715	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-13-9	Adlai Ave	24820	Combined MH	Yard-Front	48	9.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13A	Bell Ave	17065	Combined MH	Yard-Front	48	12.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13N	Bell	17605	Catch Basin	Paved Concrete	24		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NN29-13S	Bell	17064	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-1A	Saxony Ave	22730	Combined MH	Yard-Front	48	11.2	Other	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-1B	Saxony Ave	22794	Combined MH	Driveway-Conc	48	9.1	Other	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NN29-1NW	Saxony	22731	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-2	Saxony Ave		Combined MH	Paved-Conc	48	19.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-2-1	Norton Ave	22858	Combined MH	Paved-Conc	48	10.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-2-1N	Saxony	23002	Catch Basin	Paved Concrete	18	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-2-2	Saxony Ave	23058	Combined MH	Driveway-Conc	48	9.1	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NN29-2-3	Saxony Ave	23114	Combined MH	Sidewalk	48	8.3	Other	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458
NN29-2-3SW	Saxony	23114	Catch Basin	Paved Concrete	21	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN29-2-3W	Saxony	23115	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN29-2NE	Saxony, CB on Norton	23002	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN29-2NNW	Saxony	23003	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN29-2SE	Saxony, CB on Norton	22858	Catch Basin	Paved Concrete	36	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-2SSE	Saxony	22858	Catch Basin	Paved Concrete	21	3.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NN29-2SSW	Saxony	22859	Catch Basin	Paved Concrete	21	2.6	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN29-3	Semrau Ave		Combined MH	Paved-Conc	24	19.6	Brick	1	1	0.5	1	0.5	4	2	8		2016	0145-0458
NN29-3A	Saxony Ave	23170	Combined MH	Yard-Front	48	10.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-3SE	Saxony	23170	Catch Basin	Paved Concrete	36	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-3SW	Saxony	23171	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN29-4-1	David Ave	23750	Combined MH	Paved-Asph	48	15.7	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NN29-4-1N	Stephens	17331	Catch Basin	Paved Concrete	48	4.9	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN29-4-1S	Stephens (located across Stephens)	17425	Catch Basin	Paved Concrete	48	5.3	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN29-4-2	Stephens Rd	17254	Combined MH	Paved-Asph	48	14.6	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN29-4-2NW	Stephens	17255	Catch Basin	Paved Concrete	21	4.7	Combination	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN29-4-2SW	Stephens	17244	Catch Basin	Paved Concrete	48	4.9	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN29-4-3	Stephens Rd	17204	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NN29-4-3NW	Stephens	17111	Catch Basin	Paved Concrete	21	4.2	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Lift Holes	2016	0145-0458
NN29-4-3SW	Stephens	17110	Catch Basin	Paved Concrete	48	4.5	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN29-5	Stephens Rd	17425	Combined MH	Paved-Conc	48	19.7	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-8	Wilson Ave	17231	Combined MH	Paved-Conc	48	19.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-8-1	Wilson Ave	17151	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-8-1N	Wilson	17151	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-8-1S	Wilson	17204	Catch Basin	Paved Concrete	40	5.4	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN29-8-2	Wilson Ave	17071	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-8-2E	Wilson	17081	Catch Basin	Driveway Concrete	26	4.7	Precast	0.5	0.5	0.5	0.4	0.5	2.4	2	4.8		2016	0145-0458
NN29-8-2S	Wilson	17144	Catch Basin	Paved Concrete	48	5.2	Brick	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NN29-8-3	Wilson Ave	17001	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-8NE	Lambrecht	24401	Catch Basin	Paved Concrete	22	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN29-8SE	Lambrecht	24241	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NN29-9	Forest Ave	17224	Combined MH	Paved-Conc	48	18.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0	Forest Ave	17154	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0-1	Forest Ave	17074	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0-1ASE	Forest	17034	Catch Basin	Paved Concrete	42	3.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN29-9-0-1NW	Forest	17069	Catch Basin	Paved Concrete	40	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Point Pipes	2016	0145-0458
NN29-9-0-1W	Forest	17074	Catch Basin	Paved Concrete	36	5.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN29-9-0-2	Forest Ave	@ Cushing	Combined MH	Paved-Conc	48	10.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0-3	Forest Ave	16684	Combined MH	Yard-Front	48	8.7	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN29-9-0-3NW	Forest	16687	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
NN29-9-0-3W	Forest	16684	Catch Basin	Paved Concrete	40	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN29-9-0-4	Forest Ave	16614	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0-4NW	Forest	16607	Catch Basin	Paved Concrete	24	4.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-9-0-4W	Forest	16604	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN29-9-0-5	Gratiot Ave	24460	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-9-0-5NW	Gratiot	24506	Catch Basin	Paved Concrete	36	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN29-9-0-5W	Gratiot	24460	Catch Basin	Paved Concrete	36		Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN29-9-0-AE	Forest	17124	Catch Basin	Paved Concrete	36	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Pavement Replacement, Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct	2016	0145-0458
NN29-9-0-N	Forest	17151	Catch Basin	Paved Concrete	40	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-9-0W	Forest	17154	Catch Basin	Paved Concrete	40	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Chimney Reconstruct, Replace Cone Section, Vactor Clean, Seal Wall Joints, Pavement Replacement	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-9-1	Lambrecht Ave	24456	Combined MH	Paved-Conc	48	18.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-10	Ten Mile Rd		Combined MH	Driveway-Conc	48	11.8	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2007	0145-0320
NN29-9-10NE	Lambrecht	24603	Catch Basin	Paved Concrete	20	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Replace Manhole	2016	0145-0458
NN29-9-10SE	Lambrecht	24551	Catch Basin	Paved Concrete	18	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-11	Ten Mile Rd		Combined MH	Driveway-Conc	48	10.8	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2007	0145-0320
NN29-9-1-1	Lambrecht Ave	24500	Combined MH	Paved-Conc	48	15.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-1-1A	Lambrecht Ave	22534	Combined MH	Paved-Conc	48	14.4	Block	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-1-1ANNE	Lambrecht	24534	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN29-9-1-1ANW	Lambrecht	24535	Catch Basin	Paved Concrete	24	3.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-9-1-2	Lambrecht Ave	22547	Combined MH	Paved-Conc	48	13.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-1-2S	Lambrecht	24566	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN29-9-1-2W	Lambrecht	24603	Catch Basin	Paved Concrete	20	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-1-3	Lambrecht Ave	24676	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-1-3S	Lambrecht	24676	Catch Basin	Paved Concrete	18	3.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Point Pipes	2016	0145-0458
NN29-9-1-3SW	Lambrecht	24675	Catch Basin	Paved Concrete	20	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN29-9-1-4	Lambrecht Ave	24802	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-1-4N	Lambrecht	24802	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN29-9-1-4NE	Lambrecht	24802	Catch Basin	Paved Concrete	40	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN29-9-1-4NW	Lambrecht	24805	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-1-4SE	Lambrecht	24742	Catch Basin	Paved Concrete	18	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-1-4SW	Lambrecht	24741	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-1-4W	Lambrecht	24805	Catch Basin	Paved Concrete	36	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN29-9-1-5	Lambrecht Ave	24874	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NN29-9-1-5SE	Lambrecht	24874	Catch Basin	Paved Concrete	24	1.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NN29-9-1-5SSE	Lambrecht	24866	Catch Basin	Paved Concrete	24	4.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Point Pipes, Internal Chimney Seal	2016	0145-0458
NN29-9-1-5SW	Lambrecht	24862	Catch Basin	Paved Concrete	20	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Point Pipes, Pavement Replacement	2016	0145-0458
NN29-9-2	Tuscany Ave	24308	Combined MH	Paved-Conc	48	17.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-1	Tuscany Ave	24502	Combined MH	Paved-Conc	48	15.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-2-1N	Tuscany	24502	Catch Basin	Paved Concrete	18	6.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-9-2-1NNW	Tuscany	24511	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN29-9-2-2	Tuscany Ave	24564	Combined MH	Paved-Conc	48	14.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-2-2A	Tuscany Ave	24614	Combined MH	Paved-Conc	48	13.2	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-2AS	Tuscany	24614	Catch Basin	Paved Concrete	18	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN29-9-2-2AW	Tuscany	24615	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-9-2-2SW	Tuscany	24309	Catch Basin	Paved Concrete	24	3.2		0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-9-2-2W	Tuscany	24503	Catch Basin	Paved Concrete	38	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NN29-9-2-3	Tuscany Ave	24646	Combined MH	Paved-Conc	48	12.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-3A	Tuscany Ave	24696	Combined MH	Paved-Conc	48	12.0	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-3AS	Tuscany	24688	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN29-9-2-3AW	Tuscany	24695	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean	2016	0145-0458
NN29-9-2-4	Tuscany Ave	24802	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-4A	Tuscany Ave	24844	Combined MH	Paved-Conc	48	10.0	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-4ASE	Tuscany	24844	Catch Basin	Paved Concrete	24	5.6	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN29-9-2-4ASW	Tuscany	24853	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-9-2-4NW	Tuscany	24803	Catch Basin	Paved Concrete	42	3.3	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Vactor Clean, Pavement Replacement, Seal Wall Joints, Chimney Reconstruct	2016	0145-0458
NN29-9-2-4SW	Tuscany	24711	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NN29-9-2-5	Tuscany Ave	24876	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-5A	Tuscany Ave	24932	Combined MH	Paved-Conc	48	8.8	Block	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-9-2-5ASSE	Tuscany	24924	Catch Basin	Paved Concrete	24	1.3	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN29-9-2-5AW	Tuscany	24925	Catch Basin	Paved Concrete	24	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Pavement Replacement, Chimney Reconstruct, Seal Wall Joints	2016	0145-0458
NN29-9-3	Brittany Ave	24310	Combined MH	Paved-Conc	48	15.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-1	Brittany Ave	24502	Combined MH	Paved-Conc	48	14.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-3-1N	Brittany	24502	Catch Basin	Paved Concrete	36	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Vactor Clean, Replace Manhole, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN29-9-3-1NW	Brittany	24503	Catch Basin	Paved Concrete	36	4.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Point Pipes, Internal Chimney Seal	2016	0145-0458
NN29-9-3-2	Brittany Ave	24576	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-2A	Brittany Ave	24600	Combined MH	Paved-Conc	48	13.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-2AS	Brittany	24592	Catch Basin	Paved Concrete	40	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NN29-9-3-2ASW	Brittany	24597	Catch Basin	Paved Concrete	30	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-9-3-3	Brittany Ave	24640	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-3N	Brittany	24654	Catch Basin	Paved Concrete	42	5.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
NN29-9-3-3NW	Brittany	24647	Catch Basin	Paved Concrete	36	4.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-9-3-4	Brittany Ave	24802	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-4A	Brittany Ave	24842	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-4AN	Brittany	24850	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints, Vactor Clean	2016	0145-0458
NN29-9-3-4ANW	Brittany	24851	Catch Basin	Paved Concrete	36	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-9-3-4E	Brittany	24802	Catch Basin	Paved Concrete	36	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Remove Debris	2016	0145-0458
NN29-9-3-4SW	Brittany	24711	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-3-4W	Brittany	24803	Catch Basin	Paved Concrete	40	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN29-9-3-5	Brittany Ave	24872	Combined MH	Paved-Conc	48	8.9	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-9-3-5A	Brittany Ave		Combined MH	Paved-Conc	48	7.3	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-9-3-5AS	Brittany	24930	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Point Pipes	2016	0145-0458
NN29-9-3-5ASW	Brittany	24933	Catch Basin	Paved Concrete	18	4.7	Combination	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NN29-9-3-5NW	Brittany	24883	Catch Basin	Paved Concrete	36	3.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN29-9-3AN	Brittany	24268	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN29-9-3ANW	Brittany	24261	Catch Basin	Paved Concrete	20	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Install Bench, Install Channel	2016	0145-0458
NN29-9-3S	Brittany	24310	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Vactor Clean, Pavement Replacement, Point Pipes, Chimney Reconstruct	2016	0145-0458
NN29-9-3SW	Brittany	24309	Catch Basin	Paved Concrete	36	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN29-9-4	Stephens Rd	In Park	Combined MH	Field	48	16.2	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NN29-9-4-1		In Park	Combined MH	Other	48	14.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NN29-9-4-3	Schroeder Ave		Combined MH	Field	48	12.7	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NN29-9-4-4	Schroeder Ave		Combined MH	Sidewalk	48	12.1	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2007	0145-0320
NN29-9-4S	J. F. Kennedy park		Catch Basin	Field	36	5.0	Precast	0.5	0.5	0.5	0.4	0.5	2.4	2	4.8		2016	0145-0458
NN29-9-5	Schroeder Ave	Park	Combined MH	Field	48	14.4	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2007	0145-0320
NN29-9-6	Schroeder Ave	Park	Combined MH	Field	48	14.3	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2007	0145-0320
NN29-9-7	Schroeder Ave		Combined MH	Other	48	13.3	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2007	0145-0320
NN29-9-9	Schroeder Ave		Combined MH	Paved-Asph	48	11.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN29-9NW	Forest	17221	Catch Basin	Paved Concrete	18	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458

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NN29-9W	Forest	17224	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Wall Joints, Vactor Clean, Point Pipes	2016	0145-0458
NN32-1	David Ave		Combined MH	Paved-Conc	48	18.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-1A	Nine Mile Rd	17301	Combined MH	Paved-Conc	48	13.3	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-1AW	9 Mile (In alley behind building)	17301	Catch Basin	Paved Concrete	42	4.1		0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN32-1B	Nine Mile Rd	17335	Combined MH	Paved-Conc	48	13.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-1BE	9 Mile (in alley behind building)	17335	Catch Basin	Paved Concrete	48	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN32-1SE	David	22738	Catch Basin	Paved Concrete	48	5.4	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Point Pipes	2016	0145-0458
NN32-1SW	David	22739	Catch Basin	Paved Concrete	24	3.8	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Point Pipes	2016	0145-0458
NN32-2	David Ave	22794	Combined MH	Paved-Conc	48	17.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN32-3	David Ave	22858	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-3E	David	22858	Catch Basin	Paved Concrete	36	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
NN32-3N	David	23008	Catch Basin	Paved Concrete	40	3.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN32-3NW	David	23007	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Vactor Clean	2016	0145-0458
NN32-3S	David	22858	Catch Basin	Paved Concrete	40	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN32-3SW	David	22859	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN32-3W	David	22859	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN32-3WNW	David	23007	Catch Basin	Paved Concrete	36	5.6	Block	0.5	1	0.5	0.6	0.5	3.1	4	12.4		2016	0145-0458
NN32-4	David Ave	23084	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-4S	David	23084	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN32-4W	David	23083	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN32-5	David Ave	23168	Combined MH	Paved-Conc	48	10.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-5NE	David east curb	23705	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN32-5NW	David	23705	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN32-5SE	David	23166	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN32-5SW	David	23167	Catch Basin	Paved Concrete	20	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN32-6	David Ave	23761	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN32-6NE	David	23750	Catch Basin	Paved Concrete	24	3.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN32-6NW	David	23751	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN32-7	David Ave	23833	Combined MH	Paved-Conc	48	8.3	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN36NE	9 Mile	17207	Catch Basin	Paved Concrete	24	2.6	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN36NW	9 Mile	17145	Catch Basin	Paved Asphalt		3.1	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN38-1	Rausch Ave	22736	Combined MH	Paved-Conc	48	16.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-1NE	Rausch	22736	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN38-1NW	Rausch	22741	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN38-2	Rausch Ave	22802	Combined MH	Paved-Conc	48	15.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-2	David Ave	22794	Combined MH	Paved-Conc	48	15.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-2NE	Rausch	22802	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN38-2NE	David	22794	Catch Basin	Paved Concrete	18	6.6	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN38-2NW	David	22795	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN38-2NW	Rausch	22803	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Manhole	2016	0145-0458
NN38-3	Rausch Ave	22858	Combined MH	Paved-Conc	48	14.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-3E	Rausch, CB on Norton	22858	Catch Basin	Paved Concrete	30	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN38-3ENE	Rausch, CB on Norton	23008	Catch Basin	Paved Concrete	18	3.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN38-3NE	Rausch	23000	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN38-3NW	Rausch	23007	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN38-3W	Rausch, CB on Norton	23863	Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NN38-3WNW	Rausch, CB on Norton	23007	Catch Basin	Paved Concrete	18	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN38-4	Rausch Ave	23088	Combined MH	Paved-Conc	48	12.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-4E	Rausch	23064	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN38-4W	Rausch	23067	Catch Basin	Paved Concrete	20	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN38-5	Rausch Ave	23170	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-5E	Rausch but CB Semrau	23170	Catch Basin	Paved Concrete	42	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Point Pipes	2016	0145-0458
NN38-5NE	Rausch	23706	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN38-5NNE	Rausch, CB on Semrau	23706	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN38-5NNW	Rausch, CB on Semrau	23703	Catch Basin	Paved Concrete	24	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN38-5NW	Rausch	23703	Catch Basin	Paved Concrete	18	5.0	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN38-5SE	Rausch	23170	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN38-5SW	Rausch	23181	Catch Basin	Paved Concrete	24	1.9	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN38-5W	Rausch, CB on Semrau	23181	Catch Basin	Paved Concrete	40	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN38-6	Rausch Ave	23754	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN38-6E	Rausch	23766	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NN38-6W	Rausch	23765	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN38-7			Combined MH	Paved-Conc	48	7.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN38-7NW	Rausch	23837	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN38-8N	Stephens (on Rausch)	17204	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN39-1NE	Saxony	22739	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN39-1W	9 Mile	17011	Catch Basin	Paved Asphalt	24	2.5	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN39-2	Donald Ave	22736	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-2-1	Nine Mile Rd	17111	Combined MH	Paved-Conc	48	11.3	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-2-1NE	Donald	22736	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Remove Debris, Replace Manhole	2016	0145-0458
NN39-2-3	Nine Mile Rd	17129	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN39-2NW	Donald	22727	Catch Basin	Paved Concrete	21	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN39-2SE	9 Mile (on Donald)	17111	Catch Basin	Paved Concrete	42	3.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean	2016	0145-0458
NN39-3	Donald Ave	22796	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-3SE	Donald	22776	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN39-3SW	Donald	22787	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN39-4	Donald Ave	22858	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-4N	Donald	23008	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN39-4NW	Donald	23003	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN39-4SE	Donald	22858	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN39-4SW	Donald	22857	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NN39-4W	Donald (on Norton)	22857	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN39-4WNW	Donald (on Norton)	23003	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NN39-5	Donald Ave	23086	Combined MH	Paved-Conc	48	10.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-5NW	Donald	23021	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN39-5S	Donald	23058	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN39-6	Donald Ave	23164	Combined MH	Paved-Conc	48	10.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN39-6N	Donald	23706	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN39-6NE	Donald (on Semrau)	23706	Catch Basin	Paved Concrete	18	3.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NN39-6NW	Donald	23703	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NN39-6SE	Donald (on Semrau)	23164	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean	2016	0145-0458
NN39-6SW	Donald (on Semrau)	23171	Catch Basin	Paved Concrete	42	4.6		0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN39-6W	Donald (on Semrau)	23703	Catch Basin	Paved Concrete	18	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN39-7	Donald Ave	23766	Combined MH	Paved-Conc	48	8.7	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN39-7N	Donald	23766	Catch Basin	Paved Concrete	42	5.3	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN39-8	Donald Ave	23832	Combined MH	Paved-Conc	48	7.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN39-8N	Donald	23832	Catch Basin	Paved Concrete	42	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN39-8NW	Donald	23831	Catch Basin	Paved Concrete	21	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-11	Cushing Ave		Combined MH	Paved-Conc	48	20.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-11N	Forest	17003	Catch Basin	Paved Concrete	40	3.8	Combination	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Vactor Clean, Reset F&C w/Ext. Seal, Chimney Reconstruct, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN42-11NNW	Forest	16751	Catch Basin	Paved Concrete	22	3.9	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Seal Wall Joints	2016	0145-0458
NN42-11NW	Forest	16751	Catch Basin	Paved Concrete	18	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-11S	Forest	17004	Catch Basin	Paved Concrete	36	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NN42-11SW	Forest	16754	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Point Pipes	2016	0145-0458
NN42-11W	Forest	16754	Catch Basin	Paved Concrete	40	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN42-13	Bell Ave	17004	Combined MH	Paved-Conc	48	22.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1	Cushing Ave	24642	Combined MH	Paved-Conc	48	14.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-1	May Ave	16890	Combined MH	Yard-Front	48	9.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-2	May Ave	16820	Combined MH	Yard-Front	48	9.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-4	May Ave	16800	Combined MH	Yard-Front	48	9.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-5	May Ave	16790	Combined MH	Yard-Front	48	9.3	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-5N	May	16800	Catch Basin	Paved Concrete	18	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-13-1-5NW	May	16771	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Vactor Clean, Pavement Replacement	2016	0145-0458
NN42-13-1-NW	May	16901	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Pavement Replacement, Replace Manhole	2016	0145-0458
NN42-13-1SW	May	16890	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-13-2	Cushing Ave	24690	Combined MH	Paved-Conc	48	13.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

City of Eastpoine  
Wastewater Asset Management Plan  
AEW# 0145-0458  
Critical Analysis - Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN42-13-2-1	Hauss Ave	16900	Combined MH	Paved-Conc	48	8.9	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN42-13-2-1NW	Hauss	16893	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NN42-13-2-1W	Hauss	16890	Catch Basin	Paved Concrete	48	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN42-13-2-2	Hauss Ave	16832	Combined MH	Paved-Conc	48	7.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-13-2-2NW	Gratiot	24700	Catch Basin	Paved Concrete	42	3.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NN42-13-2-2SW	Hauss	16832	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean	2016	0145-0458
NN42-13-2A	Hauss Ave	16840	Combined MH	Paved-Conc	48	10.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN42-13-2N	Cushing	24704	Catch Basin	Paved Concrete	22	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Pavement Replacement, Vactor Clean, Chimney Reconstruct	2016	0145-0458
NN42-13-2NNW	Hauss	16953	Catch Basin	Paved Concrete	22	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-13-2NW	Hauss	16953	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Seal Wall Joints	2016	0145-0458
NN42-13-2S	Cushing	24690	Catch Basin	Paved Concrete			Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN42-13-2SW	Hauss	16950	Catch Basin	Paved Concrete	20	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN42-13-2W	Hauss	16950	Catch Basin	Paved Concrete	24	4.0	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-13-3	Cushing Ave	24766	Combined MH	Paved-Conc	48	13.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1	Chesterfield Ave	16872	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1A	Chesterfield Ave	16834	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1A-1	Chesterfield Ave		Combined MH	Yard-Front	48	11.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1A-2	Chesterfield Ave	16859	Combined MH	Yard-Front	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1B	Hauss Ave	16835	Combined MH	Paved-Conc	48	10.5	Block	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN42-13-3-1C	Hauss Ave	16837	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1NW	Chesterfield	16869	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-13-3-1W	Chesterfield	16872	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-13-3-2	Chesterfield Ave		Combined MH	Paved-Conc	48	11.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN42-13-3-2NNW	Gratiot	24802	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN42-13-3-2W	Chesterfield	24750	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN42-13-3N	Cushing	24786	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	0.5	3.2	1	3.2		2016	0145-0458
NN42-13-3NNW	Cushing	24803	Catch Basin	Paved Concrete	24	3.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-13-3NW	Cushing	24803	Catch Basin	Paved Concrete	25	3.6	Precast	0.5	1	0.5	0.4	0.5	2.9	1	2.9		2016	0145-0458
NN42-13-3W	Cushing	24747	Catch Basin	Paved Concrete	48	4.2	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN42-13-4	Cushing Ave	24816	Combined MH	Driveway-Conc	48	11.1	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NN42-13-4-1	Gratiot Ave	24850	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-13-4-1W	Manchester	24850	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-13-4A	Manchester Ave		Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-4A-1	Gratiot Ave	24834	Combined MH	Paved-Conc	48	9.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-4A-2	Gratiot Ave	24834	Combined MH	Paved-Asph	48	10.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-4NW	Cushing	24911	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-13-4SW	Cushing	24816	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-13-4W	Manchester	16858	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN42-13-5	Cushing Ave	24846	Combined MH	Paved-Conc	48	11.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-5A	Ten Mile Rd	17116	Combined MH	Paved-Asph	48	8.0	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-13-6	Cushing Ave	24846	Combined MH	Paved-Conc	48	11.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-6NE	10 mile	17000	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NN42-13-6NW	Cushing	16954	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN42-13-7	Gratiot Ave	24930	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13N	Bell	17005	Catch Basin	Paved Concrete	36	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN42-13NW	Bell	16801	Catch Basin	Paved Concrete	21	3.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NN42-13SW	Bell	16800	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN42-13W	Bell	16801	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-14	Bell Ave	16721	Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-14-1	Bell Ave	16710	Combined MH	Yard-Front	48	9.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-14-2	Bell Ave	16650	Combined MH	Yard-Front	48	9.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-14A	Bell Ave	16720	Combined MH	Yard-Front	48	11.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-14B	Bell Ave	16800	Combined MH	Yard-Front	48	7.1	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-14NW	Bell	16721	Catch Basin	Paved Concrete	18	4.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NN42-14S	Bell	16710	Catch Basin	Paved Concrete	18	5.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NN42-15	Bell Ave	24550	Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-15-1	Gratiot Ave	24600	Combined MH	Yard-Front	48	13.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-15-2	Gratiot Ave	24600	Combined MH	Yard-Side	48	10.7	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN42-15-3	Gratiot Ave	24600	Combined MH	Paved-Asph	48	9.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-15-4	Gratiot Ave	24600	Combined MH	Paved-Asph	48	7.5	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-15-5	Gratiot Ave	24610	Combined MH	Driveway-Conc	48	8.5	Precast	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458
NN42-15A	Gratiot Ave	24550	Combined MH	Paved-Asph	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-15B	Gratiot Ave	24530	Combined MH	Paved-Asph	48	12.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN42-16	Bell Ave	24550	Combined MH	Paved-Conc	48	16.4	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN42-17-3N	Wilson	16223	Catch Basin	Paved Concrete	48	3.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Replace Cover, Internal Chimney Seal	2016	0145-0458
NN42-17-4E	Wilson	16223	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN42-17-4NE	Wilson	16223	Catch Basin	Paved Concrete	21	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Raise, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NN42-17-5-1NW	Wilson	16143	Catch Basin	Paved Concrete	19	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-17-5-1SW	Wilson	16140	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN42-17-5-2NW	Wilson	16063	Catch Basin	Paved Concrete	18	5.1		0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN42-17-5-2SW	Wilson	1660	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN42-17-5-3ANW	Wilson	16003	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-17-5-3ASE	Wilson	16010	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-17-5-4N	Wilson	16003	Catch Basin	Paved Concrete	36	6.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NN42-17-5-4NW	Phlox	24343	Catch Basin	Paved Concrete	22	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-17-5-4S	Phlox	24327	Catch Basin	Paved Concrete	30	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-17ANW	Forest	16205	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN42-17ASW	Forest	16214	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal, Remove Debris, Replace Frame	2016	0145-0458
NN42-17BNW	Forest	16143	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NN42-17BW	Forest	16146	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-17CE	Forest	16098	Catch Basin	Paved Concrete	48	5.2	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN42-17CNE	Forest	16095	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-17DNW	Forest	16029	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-17DW	Forest	16024	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-17NW	Forest	16269	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-17SW	Forest	16256	Catch Basin	Paved Concrete	48	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN42-17W	Forest	16256	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN42-19-1AE	Bell	16163	Catch Basin	Paved Concrete	24	2.1	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN42-19-1ASE	Bell	16162	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-1SW	9 Mile	16941	Catch Basin	Paved Asphalt	48	2.8	Block	0.5	1	0.8	0.2	0.5	3	2	6	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN42-20NW	Bell	16269	Catch Basin	Paved Concrete	18	4.2	Combination	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
NN42-20W	Bell	16280	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN42-21-1ANE	Hauss	16404	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NN42-21-1ANW	Hauss	16227	Catch Basin	Paved Concrete	48	5.7	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal, Seal Wall Joints, Remove Debris	2016	0145-0458
NN42-21-1ASW	Hauss	15224	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-21-1AW	Hauss	16227	Catch Basin	Paved Concrete	48	5.2	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN42-21-5-1E	Bell	16009	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NN42-21-5-1N	Bell	16009	Catch Basin	Paved Concrete	48	7.8	Block	0.5	1	0.8	0.8	0.5	3.6	2	7.2	Vactor Clean, Remove Debris	2016	0145-0458
NN42-21-5-1SE	Phlox	24554	Catch Basin	Paved Concrete	48	5.3	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Seal Wall Joints, Remove Debris	2016	0145-0458
NN42-21-5-1W	Phlox	24567	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-24-4SW	Phlox	24800	Catch Basin	Paved Concrete	36	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Point Pipes, Seal Wall Joints, Raise	2016	0145-0458
NN42-24-4W	Phlox	24800	Catch Basin	Paved Concrete	36	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Point Pipes	2016	0145-0458
NN42-26-ANNE	Chesterfield	16411	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-26-ANNW	Chesterfield	16227	Catch Basin	Paved Concrete	36	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NN42-26-2ANW	Chesterfield	16227	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-26-2ASSE	Chesterfield	16404	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-26-2ASSW	Chesterfield	16250	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Chimney Reconstruct, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN42-26-2ASW	Chesterfield	16250	Catch Basin	Paved Concrete	36	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Seal Wall Joints, Point Pipes, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-26-5NW	Phlox	24800	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-26-5W	Phlox	24800	Catch Basin	Paved Concrete	36	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN42-28NW	Manchester	16507	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
NN42-28W	Manchester	16507	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458
NN42-30-2ANNE	Manchester	16405	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Vactor Clean, Pavement Replacement	2016	0145-0458
NN42-30-2ANNW	Manchester	16227	Catch Basin	Paved Concrete	36	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN42-30-2ANW	Manchester	16227	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NN42-30-2ASW	Manchester	16226	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458

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NN42-3S	Cushing	23145	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris, Internal Chimney Seal	2016	0145-0458
NN42-3SE	Cushing	23144	Catch Basin	Paved Concrete	30	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris, Vactor Clean	2016	0145-0458
NN42-4	Cushing Ave		Combined MH	Paved-Conc	48	21.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-4SE	Cushing	23834	Catch Basin	Paved Concrete	36	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-4SW	Cushing	23831	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-5	Stephens Rd	17036	Combined MH	Paved-Asph	48	11.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NN42-6	Cushing Ave		Combined MH	Paved-Conc	48	21.7	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN42-6-1	Stephens Rd	16906	Combined MH	Paved-Asph	48	8.4	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN42-6-1A	Rein Ave	24258	Combined MH	Paved-Conc	48	7.3	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NN42-6-1AN	Wilson	16900	Catch Basin	Paved Concrete	42	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN42-6-1ANW	Rein	24275	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN42-6-1ASE	Stephens (on Piper)	16830	Catch Basin	Paved Concrete	48	6.1	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8	Seal Wall Joints, Seal Lift Holes	2016	0145-0458
NN42-6-1ASW	Stephens (on Piper)	16816	Catch Basin	Paved Concrete	24	5.2	Combination	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NN42-6-1N	Stephens (on Rein)	16901	Catch Basin	Paved Concrete	24	5.2	Precast	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NN42-6-1NW	Stephens (on Rein)	16851	Catch Basin	Paved Concrete	48	6.8	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN42-6-1SW	Stephens (on Rein)	16906	Catch Basin	Paved Concrete	21	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-6-1WSW	Stephens (on rein)	16922	Catch Basin	Paved Concrete	48	4.8	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Point Pipes	2016	0145-0458
NN42-6-2	Stephens Rd	16724	Combined MH	Paved-Asph	48	8.0	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN42-6-2A	Shakespeare Ave	24274	Combined MH	Paved-Conc	48	7.1	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NN42-6-2AN	Shakespeare	24724	Catch Basin	Paved Concrete	36	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-6-2ANW	Shakespeare	24275	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NN42-6-2ASE	Stephens (on Shakespeare)	16704	Catch Basin	Paved Concrete	48	5.2	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8	Seal Wall Joints	2016	0145-0458
NN42-6-2ASW	Stephens (on Shakespeare)	16600	Catch Basin	Paved Concrete	24	4.3	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN42-6-3	Stephens Rd	16600	Combined MH	Paved-Asph	48	8.6	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN42-6-3-1	Melrose Ave	24242	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-6-3-1A	Melrose Ave	24326	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2007	0145-0320
NN42-6-3-1N	Melrose Ave	24326	Combined MH	Paved-Conc	42	7.8	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2	Internal Chimney Seal, Install Bench, Install Channel, Vactor Clean	2016	0145-0458
NN42-6-3-1NW	Melrose	24303	Catch Basin	Paved Concrete	22	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-6-3-1SW	Melrose	24242	Catch Basin	Paved Concrete	36	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN42-6-3-2	Gratiot Ave	24200	Combined MH	Paved-Asph	48	8.9	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-6-3N	Stephens	16605	Catch Basin	Paved Concrete	48	4.1	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN42-6-3NW	Stephens	16326	Catch Basin	Paved Concrete	21	3.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-6-3W	Stephens	16600	Catch Basin	Paved Concrete	36	3.4	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN42-6-4	Gratiot Ave	23850	Combined MH	Paved-Asph	48	9.0	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN42-6-4N	Gratiot (on Stephens)	24200	Catch Basin	Paved Concrete	42	4.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN42-6-4SW	Gratiot (on Stephens)	23850	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN42-6-NW	Stephens (on Cushing)	17005	Catch Basin	Paved Concrete	48	4.6	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN42-6NW	Stephens (on Cushing)	16969	Catch Basin	Paved Concrete	21	4.0	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN42-6SE	Stephens	16932	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Point Pipes, Remove Debris	2016	0145-0458
NN42-6NW	Stephens	16939	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN42-8	Cushing Ave		Combined MH	Paved-Conc	48	21.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9	Cushing Ave		Combined MH	Paved-Conc	48	20.1	Other	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-1	Wilson Ave	16931	Combined MH	Paved-Conc	48	13.2	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-1A	Wilson Ave	16964	Combined MH	Sidewalk	48	8.7	Block	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458
NN42-9-1AN	Wilson	16964	Catch Basin	Paved Concrete	36	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Vactor Clean, Remove Debris	2016	0145-0458
NN42-9-1AW	Wilson	16950	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NN42-9-1B	Cushing Ave	24240	Combined MH	Yard-Front	48	7.8	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-9-2	Wilson Ave	16871	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-2NW	Wilson	16861	Catch Basin	Paved Concrete	42	6.4	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NN42-9-3	Wilson Ave	16641	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-3NW	Wilson	16641	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Pavement Replacement, Replace Cover	2016	0145-0458
NN42-9-3SW	Wilson	16641	Catch Basin	Paved Concrete	40	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN42-9-4	Wilson Ave	16580	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN42-9-4-1	Gratiot Ave	24340	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-4-1A	Gratiot Ave	24404	Combined MH	Yard-Front	48	4.3	Brick	1	1	0.8	0.4	0.5	3.7	2	7.4		2007	0145-0320
NN42-9-4-1E	Gratiot	24404	Catch Basin	Paved Concrete	42	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Chimney Reconstruct, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN42-9-4-1S	Gratiot	24340	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal	2016	0145-0458
NN42-9-5	Gratiot Ave	24305	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458

City of Eastpointe  
Wastewater Asset Management Plan  
AEW# 0145-0458  
Critical Analysis - Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN42-9N	Wilson	17001	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Vactor Clean, Remove Debris, Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NN42-9NW	Wilson	16951	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN42-9SE	Wilson	16984	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN44-1	Donald Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.2	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN44-1SW	9 Mile	17011	Catch Basin	Driveway Asphalt	46	3.4	Block	0.5	0.5	0.8	0.4	0.5	2.7	3	8.1	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NN44-2	Cushing Ave		Combined MH	Paved-Conc	48	14.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-2-1SW	9 Mile	17011	Catch Basin	Paved Concrete	48	5.3	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Vactor Clean, Internal Chimney Seal, Point Pipes	2016	0145-0458
NN44-3	Cushing Ave	22800	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-3NE	Cushing	22800	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN44-3NW	Cushing	22801	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN44-4	Cushing Ave	22862	Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-4NE	Cushing (on Norton)	23004	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Replace Manhole	2016	0145-0458
NN44-4NW	Cushing (on Norton)	23003	Catch Basin	Paved Concrete	18	4.7	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN44-4SE	Cushing (on Norton)	22862	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN44-4SW	Cushing (on Norton)	22865	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN44-5	Cushing Ave	23082	Combined MH	Paved-Conc	48	11.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-5A	Cushing Ave	23020	Combined MH	Paved-Conc	48	12.1	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-5AN	Cushing	23028	Catch Basin	Paved Concrete	24	5.4	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NN44-5ANW	Cushing	23031	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN44-5E	Cushing	23079	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN44-5E	Cushing	23082	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Point Pipes, Remove Debris	2016	0145-0458
NN44-6	Cushing Ave	23164	Combined MH	Paved-Conc	48	10.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-6A	Cushing Ave	23140	Combined MH	Paved-Conc	48	10.1	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-6N	Cushing	23708	Catch Basin	Paved Concrete	48	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN44-6NE	Cushing (on Semrau)	23708	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NN44-6NW	Cushing	23707	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN44-6SE	Cushing (on Semrau)	23164	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN44-6SW	Cushing (on Semrau)	23169	Catch Basin	Paved Concrete	42	3.5		0.5	1	0.8	0.4	0.5	3.2	3	9.6	Seal Wall Joints, Remove Debris, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN44-6W	Cushing (on Semrau)	23707	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN44-7	Cushing Ave	23766	Combined MH	Paved-Conc	48	8.5	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN44-7N	Cushing	23766	Catch Basin	Paved Concrete	24	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN44-7NW	Cushing	23777	Catch Basin	Paved Concrete	24	5.9	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Remove Debris, Internal Chimney Seal	2016	0145-0458
NN44-8	Cushing Ave	23834	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN47-1	Rein Ave	@ 9 Mile	Combined MH	Paved-Conc	48	17.1	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN47-1W	9 Mile	16841	Catch Basin	Paved Concrete	24	3.1	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN47-2	Rein Ave	22726	Combined MH	Paved-Conc	48	14.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-2-1N	Cushing	22736	Catch Basin	Paved Concrete	24	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN47-2-1NE	Cushing	22727	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN47-2S	9 Mile (on Rein, across the street from address)	16841	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN47-2SW	9 Mile (on Rein)	16841	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN47-3	Rein Ave	22790	Combined MH	Paved-Conc	48	14.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-3NW	Rein	22801	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Pavement Replacement, Vactor Clean	2016	0145-0458
NN47-4	Rein Ave	22862	Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-4A	Rein Ave	22840	Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-4AS	Rein	22832	Catch Basin	Paved Concrete	24		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NN47-4AW	Rein	22841	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458
NN47-4NE	Rein (on Norton)	23000	Catch Basin	Paved Concrete	24	3.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN47-4NW	Rein (on Norton)	23003	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Pavement Replacement	2016	0145-0458
NN47-4SE	Rein (on Norton)	22862	Catch Basin	Paved Concrete	36	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN47-4SW	Rein (on Norton)	22861	Catch Basin	Paved Concrete	36	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN47-5	Rein Ave	23080	Combined MH	Paved-Conc	48	11.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-5A	Rein Ave	23024	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-5AS	Rein	23016	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN47-5ASW	Rein	23021	Catch Basin	Paved Concrete	24	3.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN47-5N	Rein	23090	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN47-5NW	Rein	23089	Catch Basin	Paved Concrete	25	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN47-6	Rein Ave	23172	Combined MH	Paved-Conc	48	9.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-6E	Rein (on Semrau)	23172	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN47-6N	Rein	23706	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Remove Debris	2016	0145-0458
NN47-6NE	Rein (on Semrau)	23706	Catch Basin	Paved Concrete	18	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN47-6NNW	Rein	23703	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN47-6NW	Rein (on Semrau)	23703	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN47-6W	Rein (on Semrau)	23159	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN47-7	Rein Ave	23768	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-7NE	Rein	23768	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN47-7SW	Rein	23767	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN47-8	Rein Ave	23834	Combined MH	Paved-Conc	48	7.7	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NN47-8SE	Rein	23824	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NN47-8SW	Rein	23825	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Remove Debris, Replace Manhole	2016	0145-0458
NN49-1	Piper Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.9	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN49-2	Piper Ave	16809	Combined MH	Paved-Conc	48	14.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-2NE	9 Mile (on Piper)	16801	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN49-2NW	9 Mile (on Piper)	16749	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Point Pipes, Remove Debris	2016	0145-0458
NN49-3	Piper Ave	22792	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-3NE	Piper	22792	Catch Basin	Paved Concrete	42	5.2	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Point Pipes	2016	0145-0458
NN49-3NW	Piper	22801	Catch Basin	Paved Concrete	24	5.6	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN49-4	Piper Ave	22864	Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-4A	Piper Ave	23024	Combined MH	Paved-Conc	48	12.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-4ANW	Piper	23043	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN49-4AS	Piper	23016	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean, Remove Debris, Seal Wall Joints	2016	0145-0458
NN49-4E	Piper (on Norton)	22864	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	2	5.4	Replace Cover	2016	0145-0458
NN49-4NE	Piper (on Norton)	23002	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NN49-4NNW	Piper	22003	Catch Basin	Paved Concrete		4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN49-4NW	Piper (on Norton)	23003	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN49-4W	Piper (on Norton)	22865	Catch Basin	Paved Concrete	42	5.3	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NN49-5	Piper Ave	23090	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-50	Piper	23043	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN49-5N	Piper	23090	Catch Basin	Paved Concrete	42	5.3	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN49-5NW	Piper	23091	Catch Basin	Paved Concrete	21	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN49-6	Piper Ave	23172	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-6A	Piper Ave	23718	Combined MH	Paved-Conc	48	8.8	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN49-6ANE	Piper	23718	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN49-6ANW	Piper	23717	Catch Basin	Paved Concrete	21	5.5	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN49-6E	Piper (on Semrau)	23172	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN49-6NE	Piper (on Semrau)	23704	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Replace Manhole, Remove Debris	2016	0145-0458
NN49-6NW	Piper (on Semrau)	23703	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN49-6W	Piper (on Semrau)	23173	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN49-7	Piper Ave	23766	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN49-7A	Piper Ave	23824	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN49-7ASE	Piper	23812	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN49-7SE	Piper	23750	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN49-7SW	Piper	23751	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN49-8	Piper Ave	23830	Combined MH	Paved-Conc	48	7.7	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN51-1	Shakespeare Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.3	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN51-1E	9 Mile (on Shakespeare)	16737	Catch Basin	Paved Concrete	42	5.4	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Seal Wall Joints, Replace Frame, Internal Chimney Seal	2016	0145-0458
NN51-1NW	9 Mile (on Shakespeare)	16551	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN51-1W	9 Mile	16551	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN51-2	Shakespeare Ave	22734	Combined MH	Paved-Conc	48	15.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN51-3	Shakespeare Ave	22806	Combined MH	Paved-Conc	48	14.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN51-3SW	Shakespeare	22801	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN51-4	Shakespeare Ave	22864	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN51-4E	Shakespeare (on Norton)	23864	Catch Basin	Paved Concrete	42	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN51-4N	Shakespeare	23004	Catch Basin	Paved Concrete	42	5.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Remove Debris	2016	0145-0458
NN51-4NE	Shakespeare (on Norton)	23004	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN51-4NNW	Shakespeare	23005	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN51-4NW	Shakespeare (on Norton)	23005	Catch Basin	Paved Concrete	21	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN51-4S	Shakespeare	23864	Catch Basin	Paved Concrete	36	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Wall Joints	2016	0145-0458
NN51-4SSW	Shakespeare	23863	Catch Basin	Paved Concrete	21	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN51-4SW	Shakespeare (on Norton)	23863	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN51-5	Shakespeare Ave	23058	Combined MH	Paved-Conc	48	11.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN51-5W	Shakespeare	23089	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN51-6	Shakespeare Ave	@ Semrau	Combined MH	Paved-Conc	48	9.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN51-6N	Shakespeare	23700	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Wall Joints, Remove Debris	2016	0145-0458
NN51-6NE	Shakespeare (on Semrau)	23700	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN51-6NW	Shakespeare	23705	Catch Basin	Paved Concrete	24	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Wall Joints, Remove Debris	2016	0145-0458
NN51-6S	Shakespeare (on Semrau)	23171	Catch Basin	Paved Concrete	42	5.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NN51-6SE	Shakespeare (on Semrau)	23168	Catch Basin	Paved Concrete	42	5.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Remove Debris, Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN51-6W	Shakespeare (on Semrau)	23705	Catch Basin	Paved Concrete	18	4.8		0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN51-7	Shakespeare Ave	23740	Combined MH	Paved-Conc	48	8.3	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN51-8	Shakespeare Ave	23778	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN51-8NW	Shakespeare	23778	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN51-8W	Stephens (on Shakespeare)	16600	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN51-9	Shakespeare Ave	23838	Combined MH	Paved-Conc	48	7.2	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN54-1	Melrose Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN54-2	Melrose Ave	Alley	Combined MH	Paved-Conc	48	15.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-2-1	Nine Mile Rd	16413	Combined MH	Yard-Back	48	9.0	Brick	1	0.5	0.8	0.8	0.5	3.6	3	10.8		2016	0145-0458
NN54-2N	Melrose	22738	Catch Basin	Paved Concrete	48	5.8	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NN54-2SW	9 Mile (on Melrose)	16461	Catch Basin	Paved Concrete	24	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN54-3	Melrose Ave	22796	Combined MH	Paved-Conc	48	14.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-3N	Melrose	22796	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Remove Debris	2016	0145-0458
NN54-3NW	Melrose	22807	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-4	Melrose Ave	@ Norton	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-4-1	Hofer Ave		Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-4-1N	Evergreen (on Hofer)	16282	Catch Basin	Paved Concrete	30	3.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-4-1NE	Evergreen (on Hofer)	16282	Catch Basin	Paved Concrete	36	3.3		0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN54-4-2	Hofer Ave	16282	Combined MH	Paved-Conc	48	12.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-4-2N	Evergreen (on Hofer)	16257	Catch Basin	Paved Concrete	48	3.7	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN54-4-2NW	Evergreen	16257	Catch Basin	Paved Concrete	24	3.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-4-2W	Evergreen	16282	Catch Basin	Paved Concrete	48	4.2	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN54-4-3	Evergreen Ave	16192	Combined MH	Paved-Conc	48	11.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-4-3NW	Evergreen	16193	Catch Basin	Paved Concrete	18	1.7	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Remove Debris	2016	0145-0458
NN54-4-3W	Evergreen	16184	Catch Basin	Paved Concrete	18	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN54-4-4	Evergreen Ave	16129	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-4-4-1	Gratiot Ave	23320	Combined MH	Paved-Conc	48	11.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-4-4-1A	Evergreen Ave	16129	Combined MH	Paved-Conc	48	11.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-4-5	Gratiot Ave	23354	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-4-5NW	Gratiot	23300	Catch Basin	Paved Concrete	48	4.6	Brick	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN54-4-N	Melrose	23012	Catch Basin	Paved Concrete	24	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-4-NE	Melrose (on Evergreen)	23012	Catch Basin	Paved Concrete	48	2.9	Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NN54-4NNW	Melrose	23013	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN54-4NW	Melrose (on Evergreen)	23013	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN54-4W	Melrose (on Evergreen)	22865	Catch Basin	Paved Concrete	36	4.1		0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN54-5	Melrose Ave	23106	Combined MH	Paved-Conc	48	12.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-5-1	Nicolai Ave	16338	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-5-1N	Nicolai (on Hofer)	16319	Catch Basin	Paved Concrete	48	4.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN54-5-1NW	Nicolai	16319	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-5-1W	Nicolai	16338	Catch Basin	Paved Concrete	48	4.0	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN54-5-2	Nicolai Ave	16728	Combined MH	Paved-Conc	48	11.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-5-2W	Nicolai	16268	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-5-3	Nicolai Ave	Alley	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-5-3-1	Gratiot Ave	23454	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NN54-5-4	Nicolai Ave	23354	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-5-4NW	Gratiot (on Nicolai)	23416	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN54-5-4W	Gratiot (on Nicolai)	23354	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN54-5N	Melrose	23112	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Point Pipes	2016	0145-0458
NN54-5NW	Melrose	23117	Catch Basin	Paved Concrete	24		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN54-6	Melrose Ave	@ Semrau	Combined MH	Paved-Conc	48	12.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-6-1	Hofer Ave		Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-1SE	Semrau (on Hofer across the street from address)	16306	Catch Basin	Paved Concrete	36	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN54-6-2	Semrau Ave	16306	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-2-1	Gratiot Ave	23454	Combined MH	Paved-Conc	48	6.7	Brick	1	1	0.8	0.6	0.5	3.9	2	7.8		2016	0145-0458
NN54-6-2-1N	Gratiot (on Semrau)	23700	Catch Basin	Paved Concrete	18	1.4	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN54-6-2-1W	Gratiot (on Semrau)	23454	Catch Basin	Paved Concrete	18	2.3	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Remove Debris	2016	0145-0458
NN54-6-2E	Semrau	23705	Catch Basin	Paved Concrete	48	3.6	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN54-6-2N	Semrau (on Hofer)	16289	Catch Basin	Paved Concrete	48	3.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN54-6-2NW	Semrau	16289	Catch Basin	Paved Concrete	24	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-6-2W	Semrau	16298	Catch Basin	Paved Concrete	42	3.6	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN54-6-3	Owen Ave	16268	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-3-1	Hofer Ave		Combined MH	Paved-Conc	48	7.7	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN54-6-3E	Owen	16420	Catch Basin	Paved Concrete	42	6.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN54-6-3N	Owen (on Hofer)	16253	Catch Basin	Paved Concrete	42	2.8	Block	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NN54-6-3NE	Owen (across the street from address)	16420	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-6-3NW	Owen	16253	Catch Basin	Paved Concrete	24	3.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-6-3S	Owen (on Hofer)	16268	Catch Basin	Paved Concrete	24	3.0	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Point Pipes	2016	0145-0458
NN54-6-3SE	Owen (on Hofer)	16410	Catch Basin	Paved Concrete	36	3.4		0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-6-3SW	Owen (on Hofer)	16268	Catch Basin	Paved Concrete	48	5.1	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NN54-6-3W	Owen	16258	Catch Basin	Paved Concrete	48	3.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN54-6-4	Owen Ave	Alley	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-4-1	Gratiot Ave	23832	Combined MH	Paved-Asph	48	10.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-6-4A	Gratiot Ave	23700	Combined MH	Paved-Asph	48	9.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-4B	Gratiot Ave	23750	Combined MH	Paved-Asph	48	9.9	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-4BSE	Gratiot (alley behind address)	23750	Catch Basin	Paved Concrete	42	4.6		0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Pavement Replacement, Remove Debris	2016	0145-0458
NN54-6-NW	Gratiot (on Owen)	23810	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN54-6-4V	Gratiot (on Owen)	23750	Catch Basin	Paved Concrete	36	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-6-5	Owen Ave	ROW	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6N	Melrose	23700	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Cover, Replace Frame, Chimney Reconstruct, Pavement Replacement, Vactor Clean, Replace Manhole	2016	0145-0458
NN54-6NE	Melrose (on Semrau)	23700	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-6NNW	Melrose	23715	Catch Basin	Paved Concrete	24	5.7	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN54-6NW	Semrau	23715	Catch Basin	Paved Concrete	18	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN54-6S	Melrose	23168	Catch Basin	Paved Concrete	42	3.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4	External Seal	2016	0145-0458
NN54-6SE	Melrose (on Semrau)	23168	Catch Basin	Paved Concrete	48	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN54-6SW	Melrose	23161	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NN54-6W	Melrose (on Semrau)	23161	Catch Basin	Paved Concrete	21	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN54-7	Melrose Ave	23740	Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN56-2N	Pleasant	22740	Catch Basin	Paved Concrete	42	5.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NN56-2NW	Pleasant	22733	Catch Basin	Paved Concrete	18	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Point Pipes	2016	0145-0458
NN56-3S	Pleasant	22798	Catch Basin	Paved Concrete	42	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN56-3W	Pleasant	22797	Catch Basin	Paved Concrete	18	3.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN56-5NW	Aurora	16357	Catch Basin	Paved Concrete	36	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN56-5SE	Pleasant (on Aurora)	22838	Catch Basin	Paved Concrete	36	5.2	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN56-5W	Aurora	16337	Catch Basin	Paved Concrete	36	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN56-6E	Aurora	16214	Catch Basin	Paved Concrete	48	4.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN56-6NE	Aurora	16287	Catch Basin	Paved Concrete	24	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN56-9ANNW	Gratiot	23200	Catch Basin	Paved Concrete	24	4.6	Brick	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Chimney Reconstruct, Replace Manhole, Pavement Replacement	2016	0145-0458
NN56-9ANW	Gratiot (on Aurora)	23200	Catch Basin	Paved Concrete	18	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN56-9ASW	Gratiot	23200	Catch Basin	Paved Asphalt	24	3.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN56-9AW	Gratiot (on Aurora)	23000	Catch Basin	Paved Concrete	24	3.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN58-1	Liscomb Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.5	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN58-1SW	9 Mile	16259	Catch Basin	Paved Asphalt	24	2.5	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Remove Debris, Point Pipes	2016	0145-0458
NN58-3	Liscomb Ave	22744	Combined MH	Paved-Conc	48	15.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN58-3E	Liscomb	22744	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN58-4	Liscomb Ave	22800	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN58-4W	Liscomb	23000	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN58-5	Liscomb Ave	22814	Combined MH	Paved-Conc	48	12.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN58-6	Liscomb Ave	22814	Combined MH	Paved-Conc	48	12.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN58-7	Liscomb Ave	22844	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NN58-7NE	Liscomb	22844	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN58-7NW	Aurora (on Liscomb)	16214	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NN64-0-1E	9 Mile	15751	Catch Basin	Paved Concrete	42	5.1	Block	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN64-0-3W	9 Mile	15701	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN64-0E	Gratiot (on 9 Mile)	22701	Catch Basin	Paved Concrete	48	4.6	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN66-10-1-1N	Flower	24290	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-10-1-1W	Flower	24291	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-10-1-2N	Flower	24512	Catch Basin	Paved Concrete	48	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN66-10-1-2NE	Grove & flower	24512	Catch Basin	Paved Concrete	18	4.2	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-10-1-2NW	Flower	24501	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN66-10-1-2SE	Flower	24368	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN66-10-1-2SW	Forest & flower	24369	Catch Basin	Paved Concrete	42	3.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Point Pipes, Seal Wall Joints	2016	0145-0458
NN66-10-1-2W	Flower & Forest	24501	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-10-1-3NE	Flower	24601	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Point Pipes	2016	0145-0458
NN66-10-1-3NW	Flower	24601	Catch Basin	Paved Concrete	18	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-10-1-4NE	Flower	24805	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-10-1-4NW	Flower	24805	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458
NN66-10-1-4SW	Chesterfield & flower	24665	Catch Basin	Paved Concrete	42	5.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN66-10-1-4W	Chesterfield & flower	24805	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-10-1-5E	Flower	24869	Catch Basin	Paved Concrete	48	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-10-1-5W	Flower	24869	Catch Basin	Paved Concrete	21	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN66-10-1AN	Stephens (on Flower)	15611	Catch Basin	Paved Concrete	48	5.1	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NN66-10-1ANW	Stephens (on Flower)	15533	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-10-1AW	Stephens	15533	Catch Basin	Paved Concrete	24	4.6	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-10-1SW	Stephens	15534	Catch Basin	Paved Concrete	36	3.3	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-10-2-1S	Fern	24280	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean, Seal Wall Joints	2016	0145-0458
NN66-10-2-1SW	Fern	24279	Catch Basin	Paved Concrete	18	4.6	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-10-2-2E	Fern	24500	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Manhole	2016	0145-0458
NN66-10-2-2NE	Fern	24500	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NN66-10-2-2NW	Fern	24501	Catch Basin	Paved Concrete	20	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-10-2-2SE	Fern	24370	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-10-2-2SW	Fern	24369	Catch Basin	Paved Concrete	48	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-10-2-2W	Fern	24501	Catch Basin	Paved Concrete	20	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN66-10-2N	Stephens (on Fern)	15717	Catch Basin	Paved Concrete	48	5.2	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN66-10-2NNW	Stephens (on Fern)	15651	Catch Basin	Paved Concrete	24	4.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-10-2NW	Stephens	15651	Catch Basin	Paved Concrete	24	6.3	Combination	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NN66-10-2SW	Stephens	15656	Catch Basin	Paved Concrete	36	6.3	Precast	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NN66-10-3-1N	Rosebud	24292	Catch Basin	Paved Concrete	18	5.4	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Remove Debris	2016	0145-0458
NN66-10-3-1NW	Rosebud	24289	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-10-3-2N	Rosebud	24344	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN66-10-3-2SW	Rosebud	24317	Catch Basin	Paved Concrete	18	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NN66-10-3-3E	Rosebud	24504	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Wall Joints, Vactor Clean, Remove Debris	2016	0145-0458
NN66-10-3-3N	Rosebud	24504	Catch Basin	Paved Concrete	18	4.9	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN66-10-3-3NW	Rosebud	24517	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NN66-10-3-3SE	Forest	24364	Catch Basin	Paved Concrete	17	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-10-3-3SW	Rosebud	24373	Catch Basin	Paved Concrete	42	5.3	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-10-3-3W	Rosebud	24517	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-10-3-4E	Rosebud	24580	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-10-3-4NW	Bell	24581	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NN66-10-3-4SE	Rosebud	24580	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-10-3-4SW	Rosebud	24581	Catch Basin	Paved Concrete	20	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN66-10-3-4W	Bell	24581	Catch Basin	Paved Concrete	36	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Frame, Reset F&C w/Ext. Seal, Pavement Replacement, Replace Manhole	2016	0145-0458
NN66-10-3N	Stephens (on Rosebud)	15803	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN66-10-3NW	Stephens (on Rosebud)	15717	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type							
NN66-10-3NW	Stephens	15717	Catch Basin	Paved Concrete	24	4.9	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458	
NN66-10-3W	Stephens	15750	Catch Basin	Paved Concrete	36	5.8	Precast	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458	
NN66-10-4-1SE	Phlox	24301	Catch Basin	Paved Concrete	18	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean, Seal Wall Joints, Remove Debris	2016	0145-0458	
NN66-10-4-1SW	Phlox	24241	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458	
NN66-10-4-3NE	Phlox	24502	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458	
NN66-10-4-3NW	Phlox	24505	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458	
NN66-10-4-3SE	Phlox	24480	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458	
NN66-10-4-3SW	Phlox	24479	Catch Basin	Paved Concrete	36	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Seal Wall Joints, Pavement Replacement	2016	0145-0458	
NN66-10-4-3W	Phlox	24505	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458	
NN66-10-4-6N	Phlox	24611	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Point Pipes, Internal Chimney Seal	2016	0145-0458	
NN66-10-4-6SW	Phlox	24611	Catch Basin	Paved Concrete	24	24611.0	Block	0.5	1	0.5	1	0.5	3.5	2	7	Internal Chimney Seal	2016	0145-0458	
NN66-10-4-6W	Phlox	24611	Catch Basin	Paved Concrete	48	5.4	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458	
NN66-10-4NE	Stephens (on Phlox)	16003	Catch Basin	Paved Concrete	48	4.6	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458	
NN66-10-4NNW	Stephens (on Phlox)	15851	Catch Basin	Paved Concrete	24	4.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458	
NN66-10-4NW	Stephens	15841	Catch Basin	Paved Concrete	24	6.5	Combination	0.5	1	0.5	0.6	1	3.6	2	7.2	Remove Debris	2016	0145-0458	
NN66-10-4SW	Stephens	15848	Catch Basin	Paved Concrete	48	6.6	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458	
NN66-10-5NE	Stephens	16073	Catch Basin	Paved Concrete	48	3.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458	
NN66-10-5SE	Stephens	16060	Catch Basin	Paved Concrete	48	3.0	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458	
NN66-10-6NE	Gratiot (on Stephens)	23715	Catch Basin	Paved Concrete	24		Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Seal Wall Joints, Vactor Clean, Remove Debris	2016	0145-0458	
NN66-10-6SE	Gratiot (on Stephens)	23825	Catch Basin	Paved Concrete	25	5.1	Precast	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458	
NN66-10SW	Stephens (on Grove)	15378	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458	
NN66-11-11-1	10 Mile but Manhole is on Fortuna	15121	Manhole	Paved Concrete	54	8.3	Precast	1	1	0.8	0.8	1	4.6	2	9.2	Seal Lift Holes, Install Bench, Install Channel, Remove Debris	2016	0145-0458	
NN66-11-11-2	Fortuna	25030	Manhole	Paved Concrete	48	8.4	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458	
NN66-11-11-3	Fortuna	25027	Manhole	Sidewalk	48	9.0	Precast	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458	
NN66-11-11NE	10 mile but cb on Fortuna	15121	Catch Basin	Paved Concrete	21	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458	
NN66-11-11NW	Fortuna	15035	Catch Basin	Paved Concrete	24	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458	
NN66-11-14	Hayes	25028	Manhole	Driveway Concrete	48	8.1	Precast	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458	
NN66-11-15	Hayes	25028	Manhole	Driveway Concrete	48	8.1	Precast	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458	
NN66-11-1N		24296	Grove	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-11-1NW	Grove	24283	Catch Basin	Paved Concrete			Combination	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN66-11-2N		24520	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Vactor Clean, Replace Manhole, Seal Wall Joints, Point Pipes	2016	0145-0458
NN66-11-2NE	Grove & Forest	24502	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct	2016	0145-0458
NN66-11-2NW	Grove	24521	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-11-2S	Grove	24360	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-11-2SE	Grove & Forest	24368	Catch Basin	Paved Concrete	42		Block	0.5	1	0.8	0.2	0.5	3	2	6	Internal Chimney Seal	2016	0145-0458
NN66-11-2SSW	Grove	24361	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-11-2SW	Grove & Forest	24371	Catch Basin	Paved Concrete	42	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Point Pipes, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NN66-11-2W	Grove & Forest	24521	Catch Basin	Paved Concrete		3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-11-3N	Grove	24592	Catch Basin	Paved Concrete	40	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
NN66-11-3NW	Grove	24575	Catch Basin	Paved Concrete	18	4.1	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-11-4N	Grove	24808	Catch Basin	Paved Concrete	42	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN66-11-4NE	Grove	24808	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NN66-11-4NW	Grove	24805	Catch Basin	Paved Concrete	24		Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN66-11-4SE	Grove	24662	Catch Basin	Paved Concrete	40	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-11-4SW	Grove	24665	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Reset F&C w/Ext. Seal	2016	0145-0458
NN66-11-4W	Grove	24805	Catch Basin	Paved Concrete	20	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN66-11-5N	Grove	24892	Catch Basin	Paved Concrete	36	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-11-5NW	Grove	24877	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NN66-1-1N	9 Mile (on Dale)	15301	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN66-11NE	Stephens	15381	Catch Basin	Paved Concrete	48	4.6	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN66-11NW	Stephens (on Grove)	15361	Catch Basin	Paved Concrete	24	3.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-1-1NW	9 Mile (on Dale)	15259	Catch Basin	Paved Concrete	18	5.1	Precast	0.5	1	0.5	0.6	1	3.6	2	7.2	Vactor Clean	2016	0145-0458
NN66-1-1W	9 Mile	15259	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-12-1NE	Dale	24280	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN66-12-1W	Dale	24289	Catch Basin	Paved Concrete			Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN66-12-2NE	Dale	24510	Catch Basin	Paved Concrete	24		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN66-12-2NW	Dale	24503	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-12-2SW	Dale	24369	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-12-2W	Dale	24503	Catch Basin	Paved Concrete			Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN66-12-3NE	Dale	24584	Catch Basin	Paved Concrete	18	5.2	Brick	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Seal Wall Joints	2016	0145-0458
NN66-12-3NW	Dale	24585	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN66-12-4N	Dale	24804	Catch Basin	Paved Concrete	22	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-12-4NW	Dale	24805	Catch Basin	Paved Concrete	20	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-12-4SW	Dale	24669	Catch Basin	Paved Concrete	20	5.0		0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-12-4W	Dale	24805	Catch Basin	Paved Concrete	42	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-12-5N	Dale	24876	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct	2016	0145-0458
NN66-12-5W	Dale	24867	Catch Basin	Paved Concrete	24		Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NN66-12-6NE	Dale	24942	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-12-6NW	Dale	24933	Catch Basin	Paved Concrete	20	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-12E	Stephens	15309	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN66-1-2N	Dale	22778	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN66-12NE	Stephens (on Dale)	15309	Catch Basin	Paved Concrete	48	4.6	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN66-12NW	Stephens (on Dale)	15251	Catch Basin	Paved Concrete	24	3.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-1-2NW	Dale	22771	Catch Basin	Paved Concrete	18	5.8	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-12SE	Stephens	15306	Catch Basin	Paved Concrete	48	5.8	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN66-1-3E	Dale (on South Park)	22804	Catch Basin	Paved Concrete	42	3.5		0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-1-3NE	Dale (on South Park)	22804	Catch Basin	Paved Concrete	36	3.3		0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-13NW	Stephens	15243	Catch Basin	Paved Concrete	21	5.1	Combination	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NN66-13SE	Stephens (on Dale)	15306	Catch Basin	Paved Concrete	48	6.2	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN66-1-3SE	Dale (on South Park)	22788	Catch Basin	Paved Concrete	18	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-13SW	Stephens	15196	Catch Basin	Paved Concrete	48	6.1	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN66-1-3W	Dale	22805	Catch Basin	Paved Concrete	18	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-14-1N	Laethem	24288	Catch Basin	Paved Concrete	18	6.1	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-14-1NW	Laethem	24289	Catch Basin	Paved Concrete	18	7.8	Precast	0.5	1	0.5	0.8	0.5	3.3	2	6.6		2016	0145-0458
NN66-14-2NE	Laethem	24504	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal, Remove Debris	2016	0145-0458
NN66-14-2NW	Laethem	24505	Catch Basin	Paved Concrete	18	5.8	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NN66-14-2SW	Laethem	24371	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-14-2W	Laetham	24505	Catch Basin	Paved Concrete	36	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-14-3NE	Laetham	24584	Catch Basin	Paved Concrete	22		Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Chimney Reconstruct	2016	0145-0458
NN66-14-3NW	Laetham	24587	Catch Basin	Paved Asphalt	22	3.9	Precast	0.5	1	0.5	0.4	0.5	2.9	1	2.9		2016	0145-0458
NN66-14-4E	Laetham	24804	Catch Basin	Paved Concrete	18	5.3	Poured	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN66-14-4N	Laetham	24804	Catch Basin	Paved Concrete	20		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-14-4NW	Laetham	24803	Catch Basin	Paved Concrete	20		Block	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
NN66-14-4SW	Laetham	24663	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-14-4W	Laetham	24803	Catch Basin	Paved Concrete	36	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN66-14-5E	Laetham	24886	Catch Basin	Paved Concrete	18	4.9	Precast	0.5	1	0.5	0.4	0.5	2.9	5	14.5	Replace Manhole	2016	0145-0458
NN66-14-5SW	Laetham	24867	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Seal Wall Joints, Vactor Clean	2016	0145-0458
NN66-14-6N	Laetham	24942	Catch Basin	Paved Concrete	18	2.9	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
NN66-14-6NW	Laetham	24941	Catch Basin	Paved Concrete	22	2.9	Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Reset F&C w/Ext. Seal, Vactor Clean, Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NN66-15-1NE	Valley	24290	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-15-1NW	Valley	24295	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-15-2E	Valley	24500	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NN66-15-2NE	Valley	24500	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Wall Joints	2016	0145-0458
NN66-15-2NW	Valley	24503	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-15-2S	Valley	24370	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Remove Debris, Internal Chimney Seal	2016	0145-0458
NN66-15-2SE	Valley	24370	Catch Basin	Paved Concrete	30	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-15-2SSW	Valley	24371	Catch Basin	Paved Concrete	20	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-15-2SW	Valley	24371	Catch Basin	Paved Concrete	40	5.3	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN66-15-2W	Valley	24503	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NN66-15-3NE	Valley	24582	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	5	14.5	Replace Manhole	2016	0145-0458
NN66-15-3NW	Valley	24583	Catch Basin	Paved Concrete	20	5.2	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NN66-15-4E	Chesterfield	24802	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-15-4NE	Valley	24802	Catch Basin	Paved Concrete	20	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Point Pipes	2016	0145-0458
NN66-15-4NW	Valley	24803	Catch Basin	Paved Concrete	20	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-15-4SE	Valley	24652	Catch Basin	Paved Concrete	40	3.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Vactor Clean, Point Pipes	2016	0145-0458
NN66-15-4SW	Valley	24655	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-15-4W	Valley	24803	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	5	13.5	Vactor Clean, Remove Debris	2016	0145-0458
NN66-15-5N	Valley	24874	Catch Basin	Paved Concrete	17	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NN66-15-5NW	Valley	24875	Catch Basin	Paved Concrete	18	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NN66-15-6N	Valley	24938	Catch Basin	Paved Concrete	22		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN66-15-6W	Valley	24933	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Chimney Reconstruct	2016	0145-0458
NN66-15NE	Stephens	15103	Catch Basin	Paved Concrete	48	4.8	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Replace Cover, Seal Wall Joints	2016	0145-0458
NN66-15NW	Stephens	15053	Catch Basin	Paved Concrete	24	5.6	Combination	0.5	1	0.5	0.6	1	3.6	2	7.2	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NN66-1-5NW	North Park	15183	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-1-5SE	North Park	22864	Catch Basin	Paved Concrete	32	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN66-15SW	Stephens	15066	Catch Basin	Paved Concrete	48	5.9	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8	Replace Cover	2016	0145-0458
NN66-1-5SW	North Park	15250	Catch Basin	Paved Concrete	24	1.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN66-16-1N	Stephens	14835	Catch Basin	Paved Concrete	48	3.8	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN66-16-1NW	Stephens	14771	Catch Basin	Paved Concrete	24	5.6	Combination	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NN66-16-1SW	Oakwood	23259	Catch Basin	Paved Concrete	24	3.9	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN66-16-1W	Stephens	14802	Catch Basin	Paved Concrete	60	6.4	Precast	0.5	1	1	0.6	1	4.1	2	8.2		2016	0145-0458
NN66-16-2E	Firwood	23250	Catch Basin	Paved Concrete	60	5.2	Precast	0.5	1	1	0.6	1	4.1	2	8.2		2016	0145-0458
NN66-16-2NE	Stephens	14665	Catch Basin	Paved Concrete	24	4.4	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN66-16-2NW	Stephens	14645	Catch Basin	Paved Concrete	24	4.6	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NN66-16-2W	Stephens	14652	Catch Basin	Paved Concrete	60	5.1	Precast	0.5	1	1	0.6	1	4.1	2	8.2		2016	0145-0458
NN66-16-3NE	Stephens	14615	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN66-16-3NW	Stephens	14601	Catch Basin	Paved Concrete	48	5.8	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN66-16N	Stephens	15005	Catch Basin	Paved Concrete	48	5.6	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8	Replace Cover	2016	0145-0458
NN66-1-6NE	Dale	22924	Catch Basin	Paved Concrete	18	5.4	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-16NW	Stephens	14877	Catch Basin	Paved Concrete	24	4.3	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN66-1-6NW	Dale	22929	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-16SW	Stephens	14872	Catch Basin	Paved Concrete	48	4.1	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Vactor Clean	2016	0145-0458
NN66-16W	Stephens	14877	Catch Basin	Paved Concrete	24	3.4	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN66-17	Hayes	24290	Combined MH	Driveway Concrete	48	14.7	Brick	1	0.5	0.8	1	1	4.3	2	8.6	Internal Chimney Seal, Install Drop Connection	2016	0145-0458
NN66-17NE	Hayes	24290	Catch Basin	Paved Concrete	42	5.2	Block	0.5	1	0.8	0.6	1	3.9	3	11.7	Internal Chimney Seal, Seal Wall Joints, Remove Debris	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-17NW	Hayes	24205	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN66-18	Hayes	24328	Combined MH	Yard Front	42	13.9	Brick	1	0.5	0.8	1	1	4.3	2	8.6	Install Drop Connection	2016	0145-0458
NN66-19	Hayes	24500	Combined MH	Paved Concrete	48	12.6	Brick	1	1	0.8	1	1	4.8	2	9.6	Internal Chimney Seal	2016	0145-0458
NN66-19E	Hayes	24368	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-19N	Hayes	24500	Catch Basin	Paved Concrete	42	4.5	Block	0.5	1	0.8	0.4	1	3.7	3	11.1	Chimney Reconstruct, Remove Debris	2016	0145-0458
NN66-19NE	Hayes & Forest	24500	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-19NW	Hayes	24445	Catch Basin	Paved Concrete	18	4.3	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8	Chimney Reconstruct	2016	0145-0458
NN66-20	Hayes	24548	Combined MH	Yard Side	42	12.6	Brick	1	0.5	0.8	1	1	4.3	2	8.6	Internal Chimney Seal, Replace Frame	2016	0145-0458
NN66-20W	Hayes	24605	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	1	3.7	4	14.8	Chimney Reconstruct, Reset F&C w/Ext. Seal, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN66-21	Hayes	24580	Combined MH	Yard Front	48	12.6	Brick	1	0.5	0.8	1	1	4.3	2	8.6		2016	0145-0458
NN66-21N	Hayes	24580	Catch Basin	Paved Concrete	40	6.2	Block	0.5	1	0.8	0.6	1	3.9	3	11.7	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-21NW	Hayes	24635	Catch Basin	Paved Concrete	46	4.8	Block	0.5	1	0.8	0.4	1	3.7	3	11.1	Chimney Reconstruct, Seal Wall Joints, Remove Debris	2016	0145-0458
NN66-22E	Hayes	24760	Catch Basin	Paved Concrete	42	3.0	Block	0.5	1	0.8	0.2	0.5	3	2	6	Vactor Clean, Seal Wall Joints, Point Pipes	2016	0145-0458
NN66-22N	Hayes	24820	Catch Basin	Paved Concrete	38	5.5	Brick	0.5	1	0.5	0.6	1	3.6	2	7.2	Internal Chimney Seal	2016	0145-0458
NN66-22NE	South Park (on grove)	15506	Catch Basin	Paved Concrete	18	5.2	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-22NW	Hayes	24813	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	1	3.4	4	13.6	Replace Manhole	2016	0145-0458
NN66-2-2NW	Grove	22789	Catch Basin	Paved Concrete	18	5.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Replace Cover, Remove Debris	2016	0145-0458
NN66-23W	Hayes	24841	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	1	3.7	2	7.4	Seal Wall Joints	2016	0145-0458
NN66-24N	Hayes	24892	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	1	3.7	4	14.8	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NN66-24NW	Hayes	24909	Catch Basin	Paved Concrete	18	3.5	Precast	0.5	1	0.5	0.4	1	3.4	4	13.6	Chimney Reconstruct	2016	0145-0458
NN66-25NW	Hayes	24933	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-25W	Hayes	24919	Catch Basin	Paved Concrete	36		Block	0.5	1	0.5	0.2	1	3.2	3	9.6	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN66-26N	Hayes	24948	Catch Basin	Paved Concrete	42	5.1	Block	0.5	1	0.8	0.6	1	3.9	2	7.8	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NN66-26NW	Hayes	24958	Catch Basin	Paved Concrete	20	4.1	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN66-2SE	9 Mile (on Grove)	15511	Catch Basin	Paved Concrete	18	5.9	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-2W	9 Mile (on Grove)	15361	Catch Basin	Paved Concrete	18	4.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-3-1NW	Henrietta (on South Park)	22805	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NN66-3-2BSW	Gratiot (between North Park and South Park)	22901	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NN66-3E	South Park	15501	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-3N	grove	22805	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-3NW	Grove (on South Park)	22805	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Remove Debris	2016	0145-0458
NN66-3SE	South Park	15506	Catch Basin	Paved Concrete	18	3.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-3W	Grove (on South Park)	22789	Catch Basin	Paved Concrete	36	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-4-1E	Park	15613	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-4-1SE	Henrietta	22825	Catch Basin	Paved Concrete	20	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-4-1SW	North Park	15570	Catch Basin	Paved Concrete	18	6.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-4-2N	North Park	15735	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN66-4-2W	North Park (across the street)	15725	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-4CW	Dale	22845	Catch Basin	Paved Concrete	24	2.3	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN66-4DE	North Park	15511	Catch Basin	Paved Concrete	18	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN66-4DSE	North park	15500	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-4NNW	Grove (on North Park)	22867	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN66-4NW	Grove (on North Park)	22855	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Point Pipes	2016	0145-0458
NN66-5-10NE	Gratiot	23411	Catch Basin	Paved Concrete	42	4.1	Brick	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-5-1NW	Charles	15581	Catch Basin	Paved Concrete	18	4.2	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-5-1SW	Charles	15580	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-5-2N	Charles	15621	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3		2016	0145-0458
NN66-5-2NE	Charles	15703	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct	2016	0145-0458
NN66-5-2NNE	Charles	15703	Catch Basin	Paved Concrete	42	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-5-2NW	Charles	52602	Catch Basin	Paved Concrete	22	3.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-5-2S	Charles	15702	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-5-2SE	Charles	15702	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-5-2SW	Charles	15620	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-5-4NW	Gratiot (on Charles)	23001	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-5-4SE	Gratiot (on Charles)	22943	Catch Basin	Paved Concrete	48	6.4	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Remove Debris	2016	0145-0458
NN66-5-5SE	Gratiot (on Camden)	23101	Catch Basin	Paved Concrete	21	2.7	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Point Pipes	2016	0145-0458
NN66-5-9NE	Gratiot	23411	Catch Basin	Paved Concrete	48	3.2	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-5-9NW	Nicolai	15855	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-5-9SSE	Gratiot	23349	Catch Basin	Paved Concrete	48	4.9	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-5-9SW	Nicolai	15854	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-SAN	Charles	15403	Catch Basin	Paved Concrete	18	5.1	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Wall Joints, Point Pipes	2016	0145-0458
NN66-5ANE	Charles	15307	Catch Basin	Paved Concrete	18	5.2	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-5ANW	Charles	15143	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-5AW	Charles	15142	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	External Seal	2016	0145-0458
NN66-5BN	Charles	15073	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-5BW	Charles	15074	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct	2016	0145-0458
NN66-5E	Charles	15511	Catch Basin	Paved Concrete	18	4.1	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-5N	Charles	15511	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-5NW	Charles	15367	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Seal Wall Joints, Remove Debris	2016	0145-0458
NN66-5S	Charles	15502	Catch Basin	Paved Concrete	18	6.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-5SE	Charles	15502	Catch Basin	Paved Concrete	18	4.4	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-5SW	Charles	15368	Catch Basin	Paved Concrete	18	5.1	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-5W	Charles	15368	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN66-6-1NW	Camden	15581	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-6-1VW	Camden	15580	Catch Basin	Paved Concrete	20	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-6-2E	Camden	15704	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-6-2NE	Camden	15703	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-6-4NW	Camden	15841	Catch Basin	Paved Concrete	21	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN66-6-4S	Camden	15834	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-6ANE	Camden	15301	Catch Basin	Paved Concrete	18	1.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Chimney Reconstruct, Pavement Replacement, Point Pipes, Seal Wall Joints	2016	0145-0458
NN66-6ANNE	Camden (on Dale)	15301	Catch Basin	Paved Concrete	20	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Point Pipes	2016	0145-0458
NN66-6ANNW	Camden (on Dale)	15163	Catch Basin	Paved Concrete	18	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-6ANW	Camden	15163	Catch Basin	Paved Concrete	18	5.7	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-6BN	Camden	15073	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-6BW	Camden	15070	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-6N	Camden (on grove)	15371	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-6NE	Camden (on Grove)	15511	Catch Basin	Paved Concrete	42	4.0	Poured	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458

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NN66-6NNE	Deerfield (on Grove)	15510	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-6NNW	Deerfield (on Grove)	15368	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-6NW	Camden	15371	Catch Basin	Paved Concrete	20	5.4	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Wall Joints, Point Pipes	2016	0145-0458
NN66-6W	Camden	15368	Catch Basin	Paved Concrete	18	5.3	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-7-1ANE	Deerfield (on Henrietta)	15705	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-7-1ANNW	Deerfield (on Henrietta)	15621	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Vactor Clean, Remove Debris, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-7-1ANW	Deerfield	15621	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-7-1ASW	Deerfield	15620	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-7-2N	Deerfield	15745	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-7-2SW	Deerfield	15744	Catch Basin	Paved Concrete	18	5.9	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-7-3NE	Deerfield	15835	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-7-3SE	Deerfield	15844	Catch Basin	Paved Concrete	18	6.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-7-3WNW	Deerfield	15814	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-7-3WSW	Deerfield	15813	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-7AN	Deerfield (on Dale)	15304	Catch Basin	Paved Concrete	20	4.8	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Remove Debris	2016	0145-0458
NN66-7ANW	Deerfield (on Dale)	15115	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN66-7AS	Deerfield (on Dale)	15308	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-7ASW	Deerfield (on Dale)	15194	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-7CE	Deerfield	15154	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-7CNE	Deerfield	15115	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-7NE	Deerfield	15521	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-7NNE	Deerfield (on Grove)	15511	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-7NNW	NNW corner of Deerfield and Grove (on Grove)		Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-7NW	NW corner of Deerfield and Grove (on Deerfield)		Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NN66-7SE	Deerfield	15510	Catch Basin	Paved Concrete	20	6.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Pavement Replacement, Internal Chimney Seal	2016	0145-0458
NN66-7SW	Deerfield.	15368	Catch Basin	Paved Concrete	18		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN66-8-1NE	Evergreen	15579	Catch Basin	Paved Concrete	22	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-8-1S	Evergreen	15586	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN66-8-2N	Evergreen (on Henrietta).	15643	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458

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NN66-8-2NE	Evergreen (on Henrietta)	15703	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-8-2NW	Evergreen	15638	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4		2016	0145-0458
NN66-8-2S	Evergreen (on Henrietta)	15706	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-8-2SW	Evergreen (on Henrietta)	15638	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Vactor Clean, Remove Debris, Replace Frame	2016	0145-0458
NN66-8-2W	Evergreen	15643	Catch Basin	Paved Concrete	18	3.0	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Remove Debris, Pavement Replacement, Replace Manhole	2016	0145-0458
NN66-8-3E	Evergreen	15793	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-8-3SE	Evergreen	15790	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-8-4NE	Evergreen	15841	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-8-4SE	Evergreen	15854	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-8AN	Evergreen (on Dale)	15305	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NN66-8N	Evergreen (on Grove)	15375	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-8NE	Evergreen (on Grove)	15505	Catch Basin	Paved Concrete	22	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-8NW	Evergreen	15375	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-8SW	Evergreen	15374	Catch Basin	Paved Concrete	18	5.4	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN66-9-1-1NW	Nicolai	15685	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-9-1-1SW	Nicolai	15664	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-9-1-3NE	Nicolai	15775	Catch Basin	Paved Concrete	18	3.1	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-9-1-4NW	Nicolai	15825	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-9-1-4SW	Nicolai	15824	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-9-1NW	Semrau	15955	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN66-9-1SW	Semrau	15604	Catch Basin	Paved Concrete	48	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Chimney Reconstruct, Pavement Replacement, Point Pipes	2016	0145-0458
NN66-9-4NE	Semrau	15805	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NN66-9-4SE	Semrau	15792	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NN66-9-5NE	Gratiot (on Semrau)	23715	Catch Basin	Paved Concrete	21	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NN66-9-5SE	Semrau	15852	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-9ANE	Dale (top right corner of school property)	15115	Catch Basin	Paved Concrete	18		Combination	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Seal Wall Joints	2016	0145-0458
NN66-9N	Semrau (on Grove)	15505	Catch Basin	Paved Concrete	48	4.6	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN66-9NNW	Semrau (on Grove)	15375	Catch Basin	Paved Concrete	24	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN66-9NW	Semrau	15375	Catch Basin	Paved Concrete	24	3.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-9SW	Semrau	15375	Catch Basin	Paved Concrete	48		Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NN66-CN	North park (on Dale)	15500	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN70-1-1	Hayes Ave	22876	Combined MH	Paved-Asph	48	11.9	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN70-1-1N	Hayes	22800	Catch Basin	Paved Concrete	48	6.6	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN70-1-1NW	Hayes	22811	Catch Basin	Paved Concrete	24	5.8	Precast	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NN70-1-2	Hayes Ave	22896	Combined MH	Paved-Asph	48	10.7	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN70-1-3	Hayes Ave	22944	Combined MH	Paved-Asph	48	8.5	Block	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NN70-1-3N	Hayes	22944	Catch Basin	Paved Concrete	48	3.8	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal	2016	0145-0458
NN70-1-3NW	Hayes	22941	Catch Basin	Paved Concrete	20	3.8	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN70-1-4	Hayes Ave		Combined MH	Paved-Asph	48	9.4	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN70-1-4AN	Hayes	23010	Catch Basin	Paved Concrete	24	3.9	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN70-1-4N	Hayes	23010	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN70-1-4NW	Hayes	23009	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN70-1-4SW	Hayes	22977	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN70-1-4W	Hayes	23001	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN70-1-5	Hayes Ave		Combined MH	Paved-Asph	48	10.9	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN70-1-5N	Camden	15003	Catch Basin	Paved Concrete	24	3.7	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN70-1-5NE	Camden	15003	Catch Basin	Paved Concrete	24	2.3	Precast	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NN70-1-5S	Hayes	23040	Catch Basin	Paved Concrete	48		Precast	0.5	1	0.8	0.2	1	3.5	2	7		2016	0145-0458
NN70-1-5W	Hayes	23057	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN70-1-6	Hayes Ave	23152	Combined MH	Paved-Asph	48	8.9	Brick	1	1	0.8	0.8	1	4.6	4	18.4		2016	0145-0458
NN70-1-6N	Hayes	23162	Catch Basin	Paved Concrete	48	4.5	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NN70-1-6NW	Hayes	23165	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN70-1-7	Hayes Ave	23212	Combined MH	Paved-Asph	48	7.5	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN70-1-7NW	Hayes	25255	Catch Basin	Paved Concrete	24	3.0	Precast	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NN70-1-7N	9 Mile	15033	Catch Basin	Paved Concrete	48	5.2	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NN70-1NW	9 mile	14919	Catch Basin	Paved Concrete	22	4.8	Combination	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NN70-1W	9 Mile	14919	Catch Basin	Paved Asphalt	24	3.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints, Point Pipes	2016	0145-0458
NN70-2-1S	Linwood	22780	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Pavement Replacement, Point Pipes	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN70-2-1SW	Linwood	22755	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN70-2-2N	Linwood	22839	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN70-2-2NW	Linwood	22840	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Pavement Replacement, Replace Manhole	2016	0145-0458
NN70-2-3BSE	North Park	15250	Catch Basin	Paved Concrete	42	2.3		0.5	1	0.8	0.2	0.5	3	2	6	Internal Chimney Seal	2016	0145-0458
NN70-2-3E	North Park	15145	Catch Basin	Paved Concrete	42	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN70-2-3SW	Linwood (on South Park)	22899	Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN70-2N	Linwood	15219	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN70-2NE	9 Mile	15219	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NN70-2NW	Linwood	15125	Catch Basin	Paved Concrete	36	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN72-1E	9 Mile	14907	Catch Basin	Paved Asphalt	24	4.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NN72-1N	9 Mile (on Oakwood)	14907	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints, Point Pipes	2016	0145-0458
NN72-1NW	9 Mile (on Oakwood)	14811	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints, Point Pipes	2016	0145-0458
NN72-1W	9 Mile	14811	Catch Basin	Paved Asphalt	24	3.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NN72-2N	Oakwood	22786	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN72-2W	Oakwood	22781	Catch Basin	Paved Concrete	18	3.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN72-3N	Oakwood	22868	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NN72-3NW	Oakwood	22873	Catch Basin	Paved Concrete	24	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN72-4N	Beechwood	22942	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct	2016	0145-0458
NN72-4NW	Beechwood	23005	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NN72-4W	Beechwood	22943	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN72-5N	Oakwood	23084	Catch Basin	Paved Concrete	22		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NN72-5W	Oakwood	23075	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN72-6N	Oakwood	23156	Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN72-6W	Oakwood	23161	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN72-7N	Oak wood	23224	Catch Basin	Paved Concrete			Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole, Reset F&C w/Ext. Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN72-7NW	Oakwood	23241	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Seal Wall Joints	2016	0145-0458
NN73-1N	9 Mile (on Firwood)	14711	Catch Basin	Paved Concrete	24	2.2	Block	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NN73-1NW	9 Mile (on Firwood)	14611	Catch Basin	Paved Concrete	26	3.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NN73-1W	9 Mile	14611	Catch Basin	Paved Asphalt	26	4.6	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN73-2	Firwood Ave	22780	Combined MH	Paved-Conc	48	15.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN73-2N	Firwood	22790	Catch Basin	Paved Concrete	16		Precast	0.5	1	0.5	0.2	0.5	2.7	5	13.5	Chimney Reconstruct, Remove Debris	2016	0145-0458
NN73-2NW	Beechwood	22781	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Replace Manhole	2016	0145-0458
NN73-3	Firwood Ave	22858	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN73-3N	Firwood	22858	Catch Basin	Paved Concrete	22	5.6	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN73-3NW	Firwood	22863	Catch Basin	Paved Concrete	22	4.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Lift Holes	2016	0145-0458
NN73-4	Firwood Ave	22890	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Point Pipes	2016	0145-0458
NN73-4N	Firwood	22890	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Remove Debris, Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NN73-4NW	Firwood	22899	Catch Basin	Paved Concrete	18	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN73-5	Firwood Ave	22944	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN73-5N	Firwood	23004	Catch Basin	Paved Concrete	22	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN73-5NW	Firwood	23001	Catch Basin	Paved Concrete	20	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN73-6	Firwood Ave	23070	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN73-6N	Firwood	23018	Catch Basin	Driveway Concrete	17	6.3	Other	0.5	0.5	0.5	0.6	0.5	2.6	2	5.2	Chimney Reconstruct, Vactor Clean, Remove Debris	2016	0145-0458
NN73-6W	Firwood	23077	Catch Basin	Paved Concrete	16	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN73-7	Firwood Ave	23158	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN73-7N	Beechwood	23158	Catch Basin	Paved Concrete	18			0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Remove Debris	2016	0145-0458
NN73-7W	Firwood	23157	Catch Basin	Paved Concrete	48	3.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Chimney Reconstruct, Reset F&C w/Ext. Seal	2016	0145-0458
NN73-8	Firwood Ave	23238	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN73-8N	Firwood	23238	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Vactor Clean, Remove Debris, Chimney Reconstruct	2016	0145-0458
NN73-8NW	Firwood	23223	Catch Basin	Paved Concrete	20	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Chimney Reconstruct	2016	0145-0458
NN75-1NE	9 Mile	14611	Catch Basin	Paved Concrete	21	3.0	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints, Point Pipes	2016	0145-0458
NN75-2	Beechwood Ave	22770	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN75-2N	Beechwood	22770	Catch Basin	Paved Concrete	46	6.3	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NN75-2NW	Beechwood	22761	Catch Basin	Paved Concrete	22	5.4	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NN75-3	Firwood Ave	22846	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN75-4	Beechwood Ave	22916	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN75-4NW	Beechwood	22931	Catch Basin	Paved Concrete	20	3.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN75-5	Beechwood Ave	23056	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6	Chimney Reconstruct	2016	0145-0458

City of Eastpoine  
Wastewater Asset Management Plan  
AEW# 0145-0458  
Critical Analysis - Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN75-5A	Beechwood	23008	Combined MH	Paved Concrete	46		Block	1	1	0.8	0.2	0.5	3.5	2	7		2016	0145-0458
NN75-5N	Beechwood	23040	Catch Basin	Paved Concrete	48	5.0	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NN75-5W	Beechwood	23049	Catch Basin	Paved Concrete	24	4.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NN75-6	Beechwood Ave	23146	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Seal Wall Joints	2016	0145-0458
NN75-6NW	Beechwood	23145	Catch Basin	Paved Concrete	18	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct	2016	0145-0458
NN75-7	Beechwood Ave	23320	Combined MH	Paved-Conc	48	7.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2	Remove Debris, Replace Manhole	2016	0145-0458
NN75-7N	Beechwood	23223	Catch Basin	Paved Concrete	30	5.6	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct	2016	0145-0458
NN75-7NW	Beechwood	23223	Catch Basin	Paved Concrete	22	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct	2016	0145-0458
NS14-10N	Ash but cb on wilmot	18002	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS14-1A	Holland	18009	Catch Basin	Paved Concrete	34	3.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS14-1AE	Holland	18004	Catch Basin	Paved Concrete	22	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS14-1S	Wilmot, CB on east curb	22543	Catch Basin	Paved Asphalt	24	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS14-1SW	Wilmot	22543	Catch Basin	Paved Concrete	24	3.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS14-2S	Empire, CB on Wilmot	18007	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris, Internal Chimney Seal	2016	0145-0458
NS14-2SW	Wilmot	22467	Catch Basin	Paved Concrete	18	5.1	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Remove Debris	2016	0145-0458
NS14-4N	Oak, CB on Wilmot	18003	Catch Basin	Paved Concrete	48	3.4	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS14-4NNW	22407	Wilmot	Catch Basin	Paved Concrete	24	2.7	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS14-4NW	Wilmot, CB on oak	22407	Catch Basin	Paved Concrete	48	4.2	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS14-4W	Wilmot, CB on Oak	22167	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS14-5SE	Curtain, CB on Wilmot	18003	Catch Basin	Paved Concrete	18	5.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS14-5SW	Wilmot	22147	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS14-6S	Rosetta but cb on Wilmot	18003	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS14-6SW	Schroeder	22085	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS14-8N	Lister but cb is on wilmot	18003	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS14-9NW	Schroeder	22005	Catch Basin	Paved Concrete	18	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Pavement Replacement, Reset F&C w/Ext. Seal, Chimney Reconstruct, Seal Wall Joints	2016	0145-0458
NS14-9S	Ash but cb on wilmot	18003	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS14-9SW	Schroeder	21859	Catch Basin	Paved Concrete	18	4.4	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS15-1	Schroeder Ave	22540	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS15-1S	Schroeder	22540	Catch Basin	Paved Concrete	18	6.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458

City of Eastpoine  
Wastewater Asset Management Plan  
AEW# 0145-0458  
Critical Analysis - Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS15-1SW	Schroeder	22543	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS15-2	Schroeder Ave	22468	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS15-2S	Schroeder	22468	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NS15-2SW	Schroeder	22479	Catch Basin	Paved Concrete	24		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS15-3	Schroeder Ave	22168	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS15-3E	Schroeder but cb on Oak	22168	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS15-3N	Schroeder	22402	Catch Basin	Paved Concrete	18		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS15-3NE	Schroeder but cb on Oak	22402	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
NS15-3NNW	Schroeder	22405	Catch Basin	Paved Concrete	18	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS15-3NW	Schroeder but cb on Oak	22405	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS15-3S	Schroeder	22147	Catch Basin	Paved Concrete	18	3.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS15-3SSW	Schroeder	22144	Catch Basin	Paved Concrete	18	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS15-3SW	Schroeder but cb on Oak	22171	Catch Basin	Paved Concrete	36	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS15-4			Combined MH					1	0.5	0.5	0.2	0.5	2.7	3	8.1		2016	0145-0458
NS15-4N	Schroeder	22094	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS15-4W	Schroeder	22095	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS15-5	Schroeder Ave	22094	Combined MH				Precast	1	0.5	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS15-6	Schroeder Ave	21860	Combined MH				Precast	1	0.5	0.5	0.2	0.5	2.7	3	8.1		2016	0145-0458
NS15-6N	Schroeder	22004	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS15-6NW	Schroeder	22005	Catch Basin	Paved Concrete	24	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NS15-6S	Schroeder	21860	Catch Basin	Paved Concrete	22	2.7	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS15-6W	Schroeder	21859	Catch Basin	Paved Concrete	24			0.5	1	0.5	0.2	0.5	2.7	2	5.4	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS15-7	Schroeder Ave	21840	Combined MH	Sidewalk	48	7.1	Precast	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458
NS18-1	Normandy Ave	22540	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-1A	Normandy Ave	22540	Combined MH	Paved-Conc	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-1A-1E	9 Mile		Catch Basin	Paved Concrete	21	5.3	Block	0.5	1	0.5	0.6	1	3.6	2	7.2	Seal Wall Joints	2016	0145-0458
NS18-1A-1W	9 Mile	17800	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS18-1B	Schroeder Ave	22543	Combined MH	Paved-Conc	48	12.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-1E	9 Mile, alley behind	17830	Catch Basin	Paved Concrete	42	3.7	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS18-1S	Normandy	22540	Catch Basin	Paved Concrete	22	5.5	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS18-1SW	Normandy	22547	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS18-2	Normandy Ave	22468	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-2S	Normandy	22468	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS18-3	Normandy Ave	22172	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-3E	Normandy	22172	Catch Basin	Paved Concrete	36	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS18-3ES	Normandy	22148	Catch Basin	Paved Concrete	18	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS18-3ESSW	Normandy	22147	Catch Basin	Paved Concrete	24	0.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NS18-3N	Normandy	22402	Catch Basin	Paved Concrete	24	2.2	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NS18-3NE	Normandy	22402	Catch Basin	Paved Concrete	24	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS18-3NNW	Normandy	22405	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NS18-3NW	Normandy	22405	Catch Basin	Paved Concrete	24	5.6	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS18-3W	Normandy	22173	Catch Basin	Paved Concrete	36		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS18-4	Normandy Ave	22084	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-4S	Normandy	22084	Catch Basin	Paved Concrete	20	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS18-4SW	Normandy	22083	Catch Basin	Paved Concrete	20	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NS18-5	Normandy Ave	21860	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS18-5N	Normandy	22004	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS18-5NNW	Normandy	22001	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS18-5NW	Normandy	22001	Catch Basin	Paved Concrete	24	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS18-5S	Normandy	21860	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS18-5SW	Normandy	21863	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS18-5W	Normandy	21863	Catch Basin	Paved Concrete	36	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS18-6	Normandy Ave	21796	Combined MH	Paved-Conc	48	8.7	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS18-6N	Normandy	21796	Catch Basin	Paved Concrete	22	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS18-6S	Normandy	21764	Catch Basin	Paved Concrete	22	3.4	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS18-6SSW	Normandy	22161	Catch Basin	Paved Concrete	22	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS18-6W	Normandy	21799	Catch Basin	Paved Concrete	22	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS20-1	Brittany Ave	22538	Combined MH	Paved-Conc	48	15.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS20-1A	Nine Mile Rd	17744	Combined MH	Paved-Conc	48	11.6	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS20-1S	Brittany	22538	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS20-1SW	Brittany	22539	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS20-2	Brittany Ave	22466	Combined MH	Driveway-Conc	48	14.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS20-2S	Brittany	22466	Catch Basin	Paved Concrete	24	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS20-2SW	Brittany	22467	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS20-3	Brittany Ave	22172	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS20-3E	Brittany	22112	Catch Basin	Paved Concrete	36	0.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NS20-3N	Brittany	22402	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS20-3NE	Brittany	22402	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS20-3NNW	Brittany	22403	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS20-3NW	Brittany	22003	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean	2016	0145-0458
NS20-3S	Brittany	22147	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris	2016	0145-0458
NS20-3SW	Brittany	22146	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3		2016	0145-0458
NS20-3W	Brittany	22175	Catch Basin	Paved Concrete	36	4.4	None	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS20-4	Brittany Ave	22082	Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS20-4S	Brittany	22082	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS20-5	Brittany Ave	21858	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS20-5E	Brittany, cb on Ash	21858	Catch Basin	Paved Concrete	48	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean	2016	0145-0458
NS20-5N	Brittany	22004	Catch Basin	Paved Concrete	24	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS20-5NE	Brittany, cb on Ash	22004	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal	2016	0145-0458
NS20-5NW	Brittany, cb on Ash	22005	Catch Basin	Paved Concrete	18	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS20-5SW	Brittany, cb on Ash	22005	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Point Pipes	2016	0145-0458
NS20-5S	Brittany	21858	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS20-5SW	Brittany	21861	Catch Basin	Paved Concrete	24	5.4	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS20-5W	Brittany, cb on Ash	21861	Catch Basin	Paved Concrete	36	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS20-6	Brittany Ave	21796	Combined MH	Paved-Conc	48	9.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS20-6S	Brittany		Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS20-6SW	Brittany	21795	Catch Basin	Paved Concrete	20	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS2-0NW	9 Mile (on Raven)	19000	Catch Basin	Paved Concrete	48	2.8	Precast	0.5	1	0.8	0.2	1	3.5	2	7		2016	0145-0458
NS2-0W	9 Mile	18940	Catch Basin	Paved Concrete	24	5.1	Block	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NS2-10E	Ash	19155	Catch Basin	Driveway Asphalt	22	4.3	Block	0.5	0.5	0.5	0.4	0.5	2.4	3	7.2	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS2-10SE	Ash	19166	Catch Basin	Paved Asphalt	24	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS2-10W	Ash	19155	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS2-1-1NNW	9 Mile	18900	Catch Basin	Paved Concrete	48	3.7	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NS2-1-1NW	9 Mile	18850	Catch Basin	Paved Concrete	48	3.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NS2-1-5AN	Marine	22405	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS2-1-5ANE	Marine	22400	Catch Basin	Paved Concrete	24	3.0	Combination	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS2-1-5ANNE	Marine	22400	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NS2-1-5AS	Marine	22320	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
NS2-1-5ASE	Marine	22320	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS2-1-5ASW	Marine	22323	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS2-1-7ANNE	Marine	22208	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal, Remove Debris	2016	0145-0458
NS2-1-7AS	Rosetta	18847	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS2-1N	9 mile (on Raven)	19000	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS2-1NW	9 mile (on Raven)	18940	Catch Basin	Paved Concrete	21	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS23-1	Gascony Ave		Combined MH	Paved-Conc	48	16.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-1A	Nine Mile Rd	17650	Combined MH	Paved-Conc	48	11.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-1A-ANE	9 Mile	17650	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NS23-1A-ANW	9 Mile	17640	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Vactor Clean	2016	0145-0458
NS23-1AW	9 mile, CB in alley	17650	Catch Basin	Paved Concrete	42	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS23-1B	Nine Mile Rd	17700	Combined MH	Paved-Conc	48	11.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-1BE	9 Mile, behind building	17700	Catch Basin	Paved Concrete	48	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS23-3-1E	Raven	22538	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS23-1S	Gascony	23534	Catch Basin	Paved Concrete	24	6.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS23-3-1S	Raven	22500	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS23-1SW	Gascony	22541	Catch Basin	Paved Concrete	24	5.5	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS23-2	Gascony Ave	22474	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS23-2S	Gascony	22474	Catch Basin	Paved Concrete	48	4.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS23-2SW	Gascony	22469	Catch Basin	Paved Concrete	21	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS23-3	Gascony Ave	22170	Combined MH	Paved-Conc	48	14.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-3N	Gascony	22404	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS2-3-3N	Raven	22538	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal	2016	0145-0458
NS2-3-3NE	Raven	22533	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Seal Wall Joints	2016	0145-0458
NS23-3NNW	Gascony	22405	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS23-3NW	Gascony	22405	Catch Basin	Paved Concrete	18	3.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS23-3S	Gascony	22170	Catch Basin	Paved Concrete	21	2.9	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Point Pipes, Vactor Clean, Seal Wall Joints	2016	0145-0458
NS2-3-3S	Raven	22505	Catch Basin	Paved Concrete	22	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS2-3-3SSE	Raven	22500	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Reset F&C w/Ext. Seal, Internal Chimney Seal, Pavement Replacement	2016	0145-0458
NS23-3SSW	Gascony	22169	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS23-3SW	Gascony	22169	Catch Basin	Paved Concrete	36	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Vactor Clean	2016	0145-0458
NS23-4	Gascony Ave	22082	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-4S	Gascony	22082	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS23-4SW	Gascony	22083	Catch Basin	Paved Concrete	24	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS23-5	Gascony Ave	21858	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-5E	Gascony, cb on Ash	21858	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS23-5NNW	Gascony	22003	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS23-5NW	Gascony, cb on Ash	22003	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS23-5S	Gascony	21858	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS23-5SW	Gascony	21859	Catch Basin	Paved Concrete	24	5.9	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS23-5W	Gascony, cb on Ash	21859	Catch Basin	Paved Concrete	42	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS23-6	Gascony Ave	21788	Combined MH	Paved-Conc	48	9.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-6S	Gascony	21788	Catch Basin	Paved Concrete	24	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS23-6SW	Gascony	21791	Catch Basin	Paved Concrete	24	5.4	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS23-N	Gascony	22002	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS2-3SW	Raven	22505	Catch Basin	Paved Concrete	24		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS2-4-1E	Beaconsfield	22333	Catch Basin	Paved Concrete	36	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS2-4-1SE	Beaconsfield	22215	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS25-1	Nine Mile Rd	17640	Combined MH	Paved-Conc	48	17.0	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS2-5-1AN	Raven	22414	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS2-5-1ANW	Raven	22414	Catch Basin	Paved Concrete	42	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS2-5-1ANW	Raven	22403	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Seal Wall Joints, Chimney Reconstruct, Pavement Replacement, Replace Frame	2016	0145-0458
NS2-5-1AS	Raven	22320	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	5	13.5	Vactor Clean, Remove Debris	2016	0145-0458
NS2-5-1ASE	Raven	22320	Catch Basin	Paved Concrete	36	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS2-5-1ASW	Raven	22323	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS25-1W	9 Mile	17538	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS25-2	Tuscany Ave	22530	Combined MH	Paved-Conc	48	16.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-2A	Nine Mile Rd	17640	Combined MH	Paved-Conc	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-2AW	9 Mile, in alley	17640	Catch Basin	Paved Concrete	45	3.9		0.5	1	0.8	0.4	0.5	3.2	2	6.4	Remove Debris	2016	0145-0458
NS25-2B	Nine Mile Rd	17640	Combined MH	Paved-Conc	48	12.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-2BE	9 mile, CB in alley	17640	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS25-2S	Tuscany	22530	Catch Basin	Paved Concrete	36	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-2SW	Tuscany	22529	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS25-3	Tuscany Ave	22466	Combined MH	Paved-Conc	48	14.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS25-3S	Tuscany	22458	Catch Basin	Paved Concrete	36	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-3SW	Tuscany	22461	Catch Basin	Paved Concrete	34	2.9	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS25-4	Tuscany Ave	22170	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-4N	Tuscany	22404	Catch Basin	Paved Concrete	36	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS25-4NE	Tuscany, cb on Oak	22404	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-4NNW	Tuscany	22405	Catch Basin	Paved Concrete	24	2.6	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS25-4NW	Tuscany, cb on Oak	22405	Catch Basin	Paved Concrete	24	3.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-4S	Tuscany	22170	Catch Basin	Paved Concrete	36	2.2	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS25-4SE	Tuscany, cb on Oak	22170	Catch Basin	Paved Concrete	36	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS25-4SSW	Tuscany		Catch Basin	Paved Concrete	22	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-4SW	Tuscany, cb on Oak	22169	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS25-5	Tuscany Ave	22084	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS25-5S	Tuscany	22084	Catch Basin	Paved Concrete	36	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-5SW	Tuscany	22079	Catch Basin	Paved Concrete	36	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-6	Tuscany Ave	21856	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-6N	Tuscany	22004	Catch Basin	Paved Concrete	36	3.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-6NNW	Tuscany	22003	Catch Basin	Paved Concrete	36	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-6NW	Tuscany, cb on Ash	22003	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS25-6W	Tuscany, cb on Ash	21859	Catch Basin	Paved Concrete	36	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS25-7	Tuscany Ave	21826	Combined MH	Paved-Conc	48	10.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-7S	Tuscany	21816	Catch Basin	Paved Concrete	36	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS25-7SW	Tuscany	21819	Catch Basin	Paved Concrete	46	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS25-8	Tuscany Ave	21788	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS2-6BE	Beaconsfield	21801	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS2-6BSE	Rosetta	19098	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS2-7-2-1NE	Raven	22208	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Internal Chimney Seal	2016	0145-0458
NS2-7-2-1NNW	Raven	22207	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS2-7-2-1NW	Raven	22207	Catch Basin	Paved Concrete	18	3.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS2-7-2-2AS	Raven	19000	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct, Vactor Clean, Pavement Replacement	2016	0145-0458
NS2-7-2ASSW	Morningside	18523	Catch Basin	Paved Concrete	48	3.6	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS2-7-2ASSW	Raven	18740	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Remove Debris, Internal Chimney Seal	2016	0145-0458
NS2-7-2ASW	Morningside	18520	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS2-7-2AW	Rosetta	18740	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NS2-7BN	Morningside	19115	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NS2-7BS	Morningside	19130	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS28-1	Nine Mile Rd	17500	Combined MH	Paved-Conc	48	18.5	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS28-1W	9 Mile	17500	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
NS28-2	Lambrecht Ave	22536	Combined MH	Paved-Conc	48	16.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS28-2A	Nine Mile Rd	17500	Combined MH	Paved-Conc	48	11.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS28-2ANE	Morningside	19005	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Pavement Replacement, Replace Manhole	2016	0145-0458
NS28-2ANW	Morningside	18573	Catch Basin	Paved Concrete	20	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS2-8-ASE	Morningside	19000	Catch Basin	Paved Concrete	22	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS2-8-ASW	Morningside	18570	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS28-2B	Nine Mile Rd	17538	Combined MH	Paved-Conc	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS28-2BE	9 Mile, behind building	17538	Catch Basin	Paved Concrete	42	3.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS28-2SE	Lambrecht	22536	Catch Basin	Paved Concrete	18	3.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS28-2SW	Lambrecht	22529	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS28-3	Lambrecht Ave	22474	Combined MH	Paved-Conc	48	14.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS28-3SE	Lambrecht	22474	Catch Basin	Paved Concrete	24	3.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS28-3SSW	Lister	18410	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NS28-3SW	Lambrecht	22465	Catch Basin	Paved Concrete	18	2.9	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS28-3SW	Lister	18501	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Manhole	2016	0145-0458
NS28-4	Lambrecht Ave	22172	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS28-4N	Tuscany	22408	Catch Basin	Paved Concrete	22	2.9	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Point Pipes, Internal Chimney Seal	2016	0145-0458
NS28-4NNW	Tuscany	22407	Catch Basin	Paved Concrete	22	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS28-4S	Tuscany	22172	Catch Basin	Paved Concrete	22	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS28-4SW	Tuscany	22171	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS28-4W	Tuscany, cb on Oak	22171	Catch Basin	Paved Concrete	36	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS28-5	Lambrecht Ave	22082	Combined MH	Paved-Conc	48	12.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS28-5S	Lambrecht	22082	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS28-5SW	Lambrecht	22081	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS28-6	Lambrecht Ave	21854	Combined MH	Paved-Asph	48	12.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS28-6N	Lambrecht	22002	Catch Basin	Paved Concrete	48	5.4	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS28-6NW	Lambrecht	22005	Catch Basin	Paved Concrete	24	5.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS28-6S	Lambrecht	21818	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS28-6SW	Lambrecht, west curb	21818	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS28-7	Lambrecht Ave	21784	Combined MH	Paved-Asph	48	10.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS28-8ANW	Lister	19115	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Remove Debris, Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NS28-8AW	Lister	19124	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS2-BBSE	Lister	19144	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Wall Joints, Vactor Clean, Remove Debris	2016	0145-0458

City of Eastpoine  
Wastewater Asset Management Plan  
AEW# 0145-0458  
Critical Analysis - Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS2-9-2AE	Lister	19005	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS2-9-2AE	Ash	19005	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS2-9-2AN	Lister	18751	Catch Basin	Paved Concrete	24	3.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS2-9-2ANE	Lister	19005	Catch Basin	Paved Concrete	25	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
NS2-9-2ANW	Lister	18571	Catch Basin	Paved Concrete	24	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS2-9-2ANW	Ash	18371	Catch Basin	Paved Concrete	18	4.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS2-9-2ASE	Ash	19006	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS2-9-2ASE	Lister	19000	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS2-9-2AW	Lister	18482	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS2-9-2AW	Ash	18370	Catch Basin	Paved Asphalt	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NS2-9-3SSW	Ash	18300	Catch Basin	Paved Concrete	24	3.1	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS2-9-3SW	Ash	18301	Catch Basin	Paved Concrete	20	2.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS31-1	Nine Mile Rd	17406	Combined MH	Paved-Conc	48	20.0	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS31-1S	9 Mile (located on Saxony)	17406	Catch Basin	Paved Concrete	18	5.6	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS31-1SW	9 Mile (located on Saxony)	17338	Catch Basin	Paved Concrete	18	4.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Manhole	2016	0145-0458
NS31-1W	9 Mile	17338	Catch Basin	Paved Asphalt	24	4.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS31-2	Saxony Ave	22536	Combined MH	Paved-Conc	48	17.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS31-2A	Nine Mile Rd	17310	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS31-2B	Nine Mile Rd		Combined MH	Paved-Conc	48	21.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS31-2S	Saxony	22536	Catch Basin	Paved Concrete	18	5.5	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Remove Debris	2016	0145-0458
NS31-2SW	Saxony	22533	Catch Basin	Paved Concrete	18	4.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS31-3	Saxony Ave	22466	Combined MH	Paved-Conc	48	15.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS3-1-3AN	Marine	22534	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS3-1-3ANNE	Marine	22534	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS3-1-3ANW	Marine	22544	Catch Basin	Paved Concrete	20	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Vactor Clean, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS3-1-3AS	Marine	22517	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS3-1-3ASSW	Marine	22512	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS3-1-3ASW	Marine	22517	Catch Basin	Paved Concrete	40	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS3-1-3ASW	Marine	22512	Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Remove Debris	2016	0145-0458

MHNNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS3-1-3AW	Marine	22544	Catch Basin	Paved Concrete	18	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS31-3S	Saxony	22466	Catch Basin	Paved Concrete	18	5.4	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS31-3SW	Saxony	22467	Catch Basin	Paved Concrete	18	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS31-4	Saxony Ave	22174	Combined MH	Paved-Conc	48	14.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS31-4N	Saxony	22404	Catch Basin	Paved Concrete	18	4.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS31-4NNW	Saxony	22407	Catch Basin	Paved Concrete	20	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS31-4S	Saxony	22174	Catch Basin	Paved Concrete	18	4.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS31-4SSW	Saxony	22175	Catch Basin	Paved Concrete	24	5.9	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS31-4SW	Saxony, cb on Oak	22175	Catch Basin	Paved Concrete	36	4.7	None	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS31-5	Saxony Ave	22094	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS3-1-5AN	Petersburg	22400	Catch Basin	Paved Concrete	36	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS3-1-5ANE	Petersburg	22400	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS3-1-5ANNW	Petersburg	22405	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS3-1-5ANW	Petersburg	22405	Catch Basin	Paved Concrete	18	3.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS3-1-5ASE	Petersburg	22316	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS3-1-5ASW	Petersburg	22321	Catch Basin	Paved Concrete	42	3.7	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Seal Wall Joints, Pavement Replacement, Vactor Clean, Remove Debris	2016	0145-0458
NS31-5S	Saxony		Catch Basin	Paved Concrete	18	5.1	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS31-5SW	Saxony	22087	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Remove Debris, Internal Chimney Seal	2016	0145-0458
NS31-6	Saxony Ave	22006	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS31-6N	Saxony	22004	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS31-6NW	Saxony, cb on Ash	22007	Catch Basin	Paved Concrete	18	3.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS31-6W	Saxony, cb on south side of Ash	22007	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS31-7	Saxony Ave		Combined MH	Other	48	9.3	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS3-1-7NE	Marine	18847	Catch Basin	Paved Concrete	24	3.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS3-1-7SE	Rosetta	18650	Catch Basin	Paved Concrete	42	4.3	Brick	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS3-1AE	Petersburg	22606	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS3-1ANE	Petersburg	22606	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS3-1ANW	Petersburg	22611	Catch Basin	Paved Concrete	18	4.1	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS3-1ASE	Petersburg	22510	Catch Basin	Paved Concrete	40	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS3-1ASSE	Petersburg	22510	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS3-1ASSW	Petersburg	22517	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS3-1ASW	Petersburg	22517	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS3-1N	9 Mile (on Petersburg)		Catch Basin	Paved Concrete	21	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS3-1NE	9 Mile (on Petersburg)		Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints, Point Pipes	2016	0145-0458
NS3-2ANE	Kelly (on Holland)	22600	Catch Basin	Paved Concrete	48	3.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS3-2ASE	Kelly (on Holland)	22480	Catch Basin	Paved Concrete	48	3.5	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS3-2BASW	Kelly NB	22600	Catch Basin	Paved Concrete	22	3.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS3-2BNE	Kelly NB	22600	Catch Basin	Paved Concrete	48	3.2	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal	2016	0145-0458
NS3-2BS	Kelly NB	22480	Catch Basin	Paved Concrete	48	2.6	Precast	0.5	1	0.8	0.2	1	3.5	2	7		2016	0145-0458
NS33-1	Nine Mile Rd	17300	Combined MH	Paved-Conc	48	18.6	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS33-1E	9 Mile		Catch Basin	Paved Concrete	24	2.7	Block	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NS33-1W	9 Mile	17210	Catch Basin	Paved Concrete	21	3.0	Block	0.5	1	0.5	0.2	1	3.2	3	9.6	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NS33-2	David Ave	22474	Combined MH	Paved-Conc	48	15.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-2S	David	22474	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Remove Debris	2016	0145-0458
NS33-2SW	David	22469	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Point Pipes	2016	0145-0458
NS33-3	David Ave	22174	Combined MH	Paved-Conc	48	14.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-3N	David	22400	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS33-3NE	David, cb on Oak	22400	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS33-3NNW	David	22403	Catch Basin	Paved Concrete	22	2.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS33-3NW	David, cb on Oak	22403	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS33-3SE	David, cb on Oak	22174	Catch Basin	Paved Concrete	36	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS33-3SSW	David	22159	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS33-3SW	David, cb on Oak	22175	Catch Basin	Paved Concrete	36	3.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS33-4	David Ave	22086	Combined MH	Paved-Conc	48	13.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-4E	David	22102	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS33-4SW	David	22087	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS33-5	Saxony Ave		Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-5N	David	22006	Catch Basin	Paved Concrete	48	4.8	Precast	0.5	1	0.8	0.4	0.5	3.2	1	3.2		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS33-5NNW	David	22005	Catch Basin	Paved Concrete	24		Precast	0.5	1	0.5	0.2	0.5	2.7	1	2.7		2016	0145-0458
NS33-5S	David	21857	Catch Basin	Paved Concrete	48	4.5	Precast	0.5	1	0.8	0.4	0.5	3.2	1	3.2		2016	0145-0458
NS33-5SW	David	21857	Catch Basin	Paved Concrete	24	3.9	Precast	0.5	1	0.5	0.4	0.5	2.9	1	2.9		2016	0145-0458
NS33-6	David Ave	21785	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-7	David Ave	21711	Combined MH	Paved-Conc	48	7.4	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS33-7S	David, E side of street	21711	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS33-7SW	David	21711	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS3-4ANE	Kelly (on Oak)	22400	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS3-4ASW	Kelly (on Oak)	22312	Catch Basin	Paved Concrete	48	4.7	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NS3-5ANE	Kelly, cb on Rosetta	22210	Catch Basin	Paved Concrete	48	5.1	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NS3-5ASW	Kelly, cb on Rosetta	22146	Catch Basin	Paved Concrete	48	4.2	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS3-5BN	Rosetta	18541	Catch Basin	Paved Concrete	48	2.8	Precast	0.5	1	0.8	0.2	0.5	3	2	6	Internal Chimney Seal	2016	0145-0458
NS3-5BNE	Petersburg	18819	Catch Basin	Paved Concrete	24	2.8	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS3-5BNNE	Rosetta	18541	Catch Basin	Paved Concrete	48	2.9	Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS3-5BSW	Rosetta	18600	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NS3-6ANE	Morningside	18430	Catch Basin	Paved Concrete	48	4.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS3-6ASW	Kelly, cb on Morningside	22044	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS37-1	Nine Mile Rd	17210	Combined MH	Paved-Conc	48	15.9	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS37-1SE	9 Mile	17210	Catch Basin	Paved Concrete	21	4.1	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NS37-1SW	9 Mile	17100	Catch Basin	Paved Concrete	21	2.1	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Remove Debris	2016	0145-0458
NS37-2	Rausch Ave	22478	Combined MH	Paved-Conc	48	14.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-2S	Rausch	22478	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Remove Debris	2016	0145-0458
NS37-2SW	9 Mile, cb on Rausch	17140	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS37-3	Rausch Ave	22174	Combined MH	Paved-Conc	48	13.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-3E	Rauschenberg, cb Oak	22174	Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal, Remove Debris	2016	0145-0458
NS37-3NE	Rausch, cb on Oak	22404	Catch Basin	Paved Concrete	36	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS37-3NNW	Rausch, west side of street	22404	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Seal Wall Joints	2016	0145-0458
NS37-3NW	9 Mile address, cb on Oak near apt 126	17100	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS37-3S	Rausch	22174	Catch Basin	Paved Concrete	18	6.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS37-3SSW	Rausch	22175	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Frame, Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS37-3W	Rausch, cb on Oak	22175	Catch Basin	Paved Concrete	36	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NS37-4	Rausch Ave	22094	Combined MH	Paved-Conc	48	11.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-4S	Rausch	22086	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean, Seal Wall Joints	2016	0145-0458
NS37-4SW	Rausch	22085	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Vactor Clean, Seal Wall Joints	2016	0145-0458
NS37-5	Rausch Ave	21844	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-5ANNW	Rausch	21820	Catch Basin	Paved Concrete	18	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS37-5E	Rausch, cb on Ash	21844	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS37-5N	Rausch	22004	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS37-5NE	Rausch, cb on Ash	22004	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS37-5NNW	Rausch	22005	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS37-5NW	Rausch, cb on Ash	22005	Catch Basin	Paved Concrete	36	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS37-5W	Rausch, cb on Ash	21853	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS37-6	Rausch Ave	21780	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-6SW	Rausch	21781	Catch Basin	Paved Concrete	18	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS37-7	Rausch Ave	21706	Combined MH	Paved-Conc	48	6.0	Brick	1	1	0.8	0.6	1	4.4	3	13.2		2016	0145-0458
NS37-7SW	Rausch, cb on Toepfer	21709	Catch Basin	Paved Asphalt	22	5.4	Block	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NS37-7W	Rausch	21706	Catch Basin	Paved Concrete	18	4.8	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement, Replace Cover	2016	0145-0458
NS3-8BNE	Kelly, cb on Ash	21900	Catch Basin	Paved Concrete	48	4.9	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS40-1	Nine Mile Rd	17100	Combined MH	Paved-Asph	48	16.9	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS40-1S	9 Mile (on Donald)	17100	Catch Basin	Paved Concrete	18	3.9	Other	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS40-1SSW	Donald	22537	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS40-1W	9 Mile	17036	Catch Basin	Paved Concrete	24	1.8	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NS40-2	Nine Mile Rd	17100	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS40-2NW	Donald	22479	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS40-3	Donald Ave	22174	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS40-3E	Donald, cb on Oak	22174	Catch Basin	Paved Concrete	36	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS40-3EE	NE corner of Donald & Oak, on Oak		Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS40-3N	Donald	17100	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	1	2.9		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS40-3NW	Donald	22407	Catch Basin	Paved Concrete	18	5.9	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS40-3S	Donald	22174	Catch Basin	Paved Concrete	18	6.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS40-3SSW	Donald	22175	Catch Basin	Paved Concrete	18	5.9	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS40-3SW	Donald, cb on Oak	22175	Catch Basin	Paved Concrete	36		Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NS40-3W	Donald, cb on Oak	22407	Catch Basin	Paved Concrete	36	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS40-4	Donald Ave	22092	Combined MH	Paved-Conc	48	11.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS40-4SE	Donald	22086	Catch Basin	Paved Concrete	24	2.9	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS40-4SW	Donald	22087	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS40-5	Donald Ave	21850	Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS40-5N	Donald	22004	Catch Basin	Paved Concrete	22		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NS40-5NW	Donald	22003	Catch Basin	Paved Concrete	18	6.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS40-6	Donald Ave	21778	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS40-6N	Donald	21800	Catch Basin	Paved Concrete	22	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS40-6NNW	Donald	21803	Catch Basin	Paved Concrete	18	6.0	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Replace Cover	2016	0145-0458
NS40-7	Donald Ave	21704	Combined MH	Paved-Conc	48	7.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS40-7S	Donald	21704	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS40-7W	Donald	21705	Catch Basin	Paved Concrete	22	5.7	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Wall Joints	2016	0145-0458
NS43-1	Nine Mile Rd	17036	Combined MH	Paved-Asph	48	16.0	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS43-1-1SW	9 Mile	16936	Catch Basin	Paved Concrete	24	1.7	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Seal Wall Joints, Point Pipes, Remove Debris	2016	0145-0458
NS43-1A	Nine Mile Rd	17039	Combined MH	Paved-Asph	48	14.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS43-1AS	Cushing	22534	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS43-1ASW	Cushing	22527	Catch Basin	Paved Concrete	18	5.8	Combination	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS43-2	Cushing Ave	22476	Combined MH	Paved-Conc	48	14.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS43-2A	Cushing Ave	22428	Combined MH	Paved-Conc	48	13.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS43-2AS	Cushing	22422	Catch Basin	Paved Concrete	18	6.7	Block	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Vactor Clean, Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS43-2ASW	Cushing	22421	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS43-2S	Cushing	22476	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NS43-2SW	Cushing	22477	Catch Basin	Paved Concrete	18	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS43-3	Cushing Ave	22174	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458

City of Eastpoine  
Wastewater Asset Management Plan  
AEW# 0145-0458  
Critical Analysis - Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS43-3E	Cushing, cb on Oak	22174	Catch Basin	Paved Concrete	36	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS43-3NE	Cushing, cb on Oak	22404	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS43-3NW	Cushing, cb on Oak	22403	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS43-3SE	Cushing	22174	Catch Basin	Paved Concrete	18	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Replace Cover	2016	0145-0458
NS43-3SW	Cushing	22175	Catch Basin	Paved Concrete	18	5.9	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS43-3W	Cushing, cb on Oak	22175	Catch Basin	Paved Concrete	36		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS43-4	Cushing Ave	22086	Combined MH	Paved-Conc	48	11.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS43-4S	Cushing	22070	Catch Basin	Paved Concrete	20	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS43-4SW	Cushing	22079	Catch Basin	Paved Concrete	22	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS43-5	Cushing Ave	21850	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS43-5A	Cushing Ave	21818	Combined MH	Paved-Conc	48	9.6	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS43-5AS	Cushing	21818	Catch Basin	Paved Concrete	18	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS43-5AW	Cushing	21817	Catch Basin	Paved Concrete	18	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS43-5N	Cushing	22004	Catch Basin	Paved Concrete	18	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS43-5NE	Cushing, cb on Ash	22004	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS43-5NW	Cushing	22005	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS43-5SE	Cushing, cb on Ash		Catch Basin	Paved Concrete	42		Block	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS43-5SW	Cushing, cb on Ash	21853	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Internal Chimney Seal	2016	0145-0458
NS43-6	Cushing Ave	21786	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS43-7	Cushing Ave	21704	Combined MH	Paved-Conc	48	7.0	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458
NS43-7NW	Cushing	21729	Catch Basin	Paved Concrete	20	2.4	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS43-7S	Cushing	21704	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS43-7SW	Cushing	21703	Catch Basin	Paved Concrete	32	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS46-1	Nine Mile Rd	16900	Combined MH	Paved-Asph	48	17.7	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS46-1AS	Rein	22538	Catch Basin	Paved Concrete	48	5.9	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NS46-1AS	9 Mile	16840	Catch Basin	Paved Concrete	21	2.8	Block	0.5	1	0.5	0.2	1	3.2	3	9.6	Replace Manhole	2016	0145-0458
NS46-1ASW	Rein, west side of street	22538	Catch Basin	Paved Concrete	24	5.6	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS46-1SE	9 Mile	16900	Catch Basin	Paved Concrete	48	3.8	Block	0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS46-2	Rein Ave	22470	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458

City of Eastpoine  
Wastewater Asset Management Plan  
AEW# 0145-0458  
Critical Analysis - Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS46-2AS	Rein	22455	Catch Basin	Paved Concrete	48	5.1	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS46-2ASW	Rein	22455	Catch Basin	Paved Concrete	24	5.5	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS46-2S	Rein	22470	Catch Basin	Paved Concrete	48	6.3	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS46-2SW	Rein	22481	Catch Basin	Paved Concrete	24	5.9	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS46-3	Rein Ave	22174	Combined MH	Paved-Conc	48	14.8	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS46-3NE	Rein	22408	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS46-3NW	Rein	22409	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean	2016	0145-0458
NS46-3S	Rein	22174	Catch Basin	Paved Concrete	24	3.0	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NS46-3SE	Rein	22174	Catch Basin	Paved Concrete	42	5.4	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal, Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean, Raise	2016	0145-0458
NS46-3SSW	Rein	22173	Catch Basin	Paved Concrete	24	2.8	Precast	0.5	1	0.5	0.2	0.5	2.7	1	2.7		2016	0145-0458
NS46-3SW	Rein	22173	Catch Basin	Paved Concrete	48	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Remove Debris, Vactor Clean	2016	0145-0458
NS46-4	Rein Ave	22092	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS46-4W	Rein	22083	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Remove Debris	2016	0145-0458
NS46-5	Rein Ave	21856	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS46-5N	Rein	22004	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS46-5NE	Rein, cb on Ash	22004	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS46-5NNW	Rein	22004	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS46-5NW	Rein, cb on NW corner of Ash		Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS46-5S	Rein	21818	Catch Basin	Paved Concrete	48	2.5	Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS46-5SE	Rein, cb on Ash	21856	Catch Basin	Paved Concrete	48	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS46-5SW	Rein	21825	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS46-5SW	Rein, cb on Ash	21849	Catch Basin	Paved Concrete	42	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean	2016	0145-0458
NS46-6	Rein Ave	21818	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS46-6S	Rein	21804	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Point Pipes, Seal Wall Joints	2016	0145-0458
NS46-6SW	Rein	21801	Catch Basin	Paved Concrete	24	4.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS46-7	Rein Ave	21730	Combined MH	Paved-Conc	48	7.4	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS46-7S	Rein	21730	Catch Basin	Paved Concrete	48	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS46-7SW	Rein	21731	Catch Basin	Paved Concrete	48	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS46-8	Toepfer Rd	16907	Combined MH	Paved-Conc	48	4.0	Brick	1	1	0.8	0.4	1	4.2	4	16.8		2007	0145-0320

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS46-8SW	Toepfer	16841	Catch Basin	Paved Asphalt	18	4.5	Combination	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS46-N	Rein	22106	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	5	14.5	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS48-1	Nine Mile Rd	16800	Combined MH	Paved-Asph	48	18.1	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS48-1E	9 Mile	16800	Catch Basin	Paved Concrete	21	3.0	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Remove Debris	2016	0145-0458
NS48-1W	9 Mile	16740	Catch Basin	Paved Concrete	21	2.8	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS48-2	Piper Ave	22488	Combined MH	Paved-Conc	48	16.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS48-2N	Piper	22502	Catch Basin	Paved Concrete	24	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS48-2NNW	Piper	22503	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NS48-3	Piper Ave	22176	Combined MH	Paved-Conc	48	14.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS48-3N	Pipe	22408	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS48-3NE	Pipe on Oak	22408	Catch Basin	Paved Concrete	24	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Seal Wall Joints	2016	0145-0458
NS48-3NNW	Piper	22405	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NS48-3NW	Piper	22405	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Pavement Replacement, Reset F&C w/Ext. Seal, Vactor Clean, Remove Debris	2016	0145-0458
NS48-3S	Piper	22176	Catch Basin	Paved Concrete	24	0.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS48-3SE	Piper on Oak	22176	Catch Basin	Paved Concrete	36	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS48-3SSW	Piper	22175	Catch Basin	Paved Concrete	18	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean, Seal Wall Joints	2016	0145-0458
NS48-3SW	Piper	22175	Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Reset F&C w/Ext. Seal, Vactor Clean	2016	0145-0458
NS48-4	Piper Ave	22110	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS48-4S	Piper	22084	Catch Basin	Paved Concrete	24	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS48-4SW	Piper	22085	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS48-5	Piper Ave	21848	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS48-5NE	Piper	22004	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS48-5NNW	Piper	22005	Catch Basin	Paved Concrete	24	5.6	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS48-5NW	Piper, cb on Ash	22005	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS48-5SE	Rein	21848	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS48-5SW	Rein	21849	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS48-5W	Piper, cb on Ash	21849	Catch Basin	Paved Concrete	48	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS48-6	Piper Ave	21808	Combined MH	Paved-Conc	48	10.2	Brick	1	1	0.8	0.8	0.5	4.3	3	12.9		2016	0145-0458
NS48-7	Piper Ave	21730	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS48-7N	Piper	21730	Catch Basin	Paved Concrete	18	4.7	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS48-7NW	Piper	21733	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS48-8	Toepfer Rd	16805	Combined MH	Paved-Conc	48	3.7	Brick	1	1	0.8	0.4	1	4.2	4	16.8		2007	0145-0320
NS48-8SW	Toepfer	16753	Catch Basin	Paved Asphalt	22	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NS53-1	Nine Mile Rd		Combined MH	Paved-Asph	48	18.4	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS53-1SE	9 Mile	16710	Catch Basin	Paved Concrete	21	2.0	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS53-2	Shakespeare Ave	22484	Combined MH	Paved-Conc	48	16.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS53-2N	Shakespeare	22484	Catch Basin	Paved Concrete	20	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS53-2NW	Shakespeare	22487	Catch Basin	Paved Concrete	24	3.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS53-3	Shakespeare Ave	22426	Combined MH	Paved-Conc	48	15.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS53-3N	Shakespeare	22426	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS53-4	Shakespeare Ave	22176	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS53-4E	Shakespeare, cb on Oak	22176	Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
NS53-4NE	Shakespeare, cb on Oak	22408	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS53-4NNW	Shakespeare	22403	Catch Basin	Paved Concrete	24	3.1	Precast	0.5	1	0.5	0.4	0.5	2.9	1	2.9		2016	0145-0458
NS53-4NW	Shakespeare, cb on Oak	22403	Catch Basin	Paved Concrete	18	4.4	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS53-4SW	Shakespeare, cb on Oak	22177	Catch Basin	Paved Concrete	36	4.8	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS53-5	Shakespeare Ave	22096	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS53-5N	Shakespeare	22096	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS53-5NW	Shakespeare	22111	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS53-6	Shakespeare Ave	21840	Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS53-6E	Shakespeare, cb on Ash	21840	Catch Basin	Paved Concrete	32		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Remove Debris	2016	0145-0458
NS53-6N	Shakespeare	22000	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS53-6NE	Shakespeare, cb on Ash	22000	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS53-6NW	Shakespeare	22009	Catch Basin	Paved Concrete	24	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS53-6SE	Shakespeare	21840	Catch Basin	Paved Concrete	24	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS53-6SW	Shakespeare	21839	Catch Basin	Paved Concrete	24	5.8	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS53-7	Shakespeare Ave	21810	Combined MH	Paved-Conc	48	9.1	Brick	1	1	0.8	0.8	0.5	4.3	4	17.2		2016	0145-0458
NS53-8	Shakespeare Ave	21778	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS53-8NE	Shakespeare	21778	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS53-8NW	Shakespeare	21779	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS53-9	Shakespeare Ave	21728	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS53-9S	Shakespeare	21728	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS53-9SW	Shakespeare	21779	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NS55-1SW	9 Mile	16546	Catch Basin	Paved Concrete	24	3.3	Combination	0.5	1	0.5	0.4	1	3.4	4	13.6	Replace Manhole	2016	0145-0458
NS59-1	Nine Mile Rd		Combined MH	Paved-Conc	48	25.7	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-10	Veronica Ave	15716	Combined MH	Paved-Conc	48	19.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-10-3	Veronica Ave	15394	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-10-5	Gratiot Ave	21330	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-10-6	Gratiot Ave	21330	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-11	Veronica Ave	15548	Combined MH	Paved-Conc	48	17.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-11NE	Veronica	15557	Catch Basin	Paved Concrete	24	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-11SE	Veronica	15556	Catch Basin	Paved Concrete	48	5.3		0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS59-12	Veronica Ave	@ Crusade	Combined MH	Paved-Conc	48	18.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NS59-12-1	Lincoln Ave	15505	Combined MH	Paved-Conc	48	13.5	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-12-1-1	Lincoln Ave	15548	Combined MH	Paved-Conc	48	9.5	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-12-1N	Lincoln but cb is on crusade	15505	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Remove Debris	2016	0145-0458
NS59-12-1NW	Crusade	21550	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-12-1S	Lincoln but cb crusade	15506	Catch Basin	Paved Concrete			Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-12-2	Crusade Ave	21552	Combined MH	Paved-Conc	48	11.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-12-3	Toepfer Rd		Combined MH	Sidewalk	48	11.0	Precast	1	0.5	0.8	1	1	4.3	3	12.9		2016	0145-0458
NS59-12-3SW	Toepfer	15560	Catch Basin	Driveway Asphalt	20	5.7	Block	0.5	0.5	0.5	0.6	1	3.1	2	6.2	Seal Wall Joints	2016	0145-0458
NS59-12-3W	Toepfer		Catch Basin	Paved Asphalt	24	5.2	Block	0.5	1	0.5	0.6	1	3.6	2	7.2	Internal Chimney Seal	2016	0145-0458
NS59-12-4	Toepfer Rd		Combined MH	Sidewalk	48	8.6	Precast	1	0.5	0.8	0.8	1	4.1	2	8.2		2016	0145-0458
NS59-12-5	Toepfer Rd		Combined MH	Paved-Asph	48	5.0	Block	1	1	0.8	0.4	1	4.2	2	8.4		2016	0145-0458
NS59-12-5A	Toepfer Rd	15580	Sanitary MH	Paved-Asph	48	7.5	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2007	0145-0320
NS59-12-5NE	Toepfer	15600	Catch Basin	Paved Asphalt	18	5.5	Other	0.5	1	0.5	0.6	1	3.6	2	7.2	Internal Chimney Seal	2016	0145-0458
NS59-12-5SE	Toepfer, south side of street	15600	Catch Basin	Paved Asphalt	18	5.4	Other	0.5	1	0.5	0.6	1	3.6	2	7.2	Internal Chimney Seal	2016	0145-0458

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NS59-12-6	Toepfer Rd		Combined MH	Paved-Conc	48	4.8	Block	1	1	0.8	0.4	1	4.2	3	12.6		2007	0145-0320
NS59-12-6SE	Jean	21561	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NS59-12-6SW	Jean	21561	Catch Basin	Paved Concrete	36	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct	2016	0145-0458
NS59-13	Veronica Ave	15361	Combined MH	Paved-Conc	48	18.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-13NW	Veronica	15361	Catch Basin	Paved Concrete	24	2.3	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-13SW	Veronica	15362	Catch Basin	Paved Concrete	48	3.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-14	Veronica Ave	15298	Combined MH	Paved-Conc	48	18.2	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-14-1	Gratiot Ave	21400	Combined MH	Paved-Asph	48	16.3	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-10	Gratiot Ave	@ Toepfer	Combined MH	Paved-Asph	48	11.9	Precast	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-14-11	Gratiot Ave	21728	Combined MH	Paved-Asph	48	11.9	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS59-14-12	Gratiot Ave	21754	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-12A	Gratiot Ave	21754	Combined MH	Paved-Asph	48	6.2	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458
NS59-14-13	Gratiot Ave	21800	Combined MH	Paved-Asph	48	13.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-14	Gratiot Ave	21800	Combined MH	Paved-Conc	48	11.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-14E	Crescentwood	15530	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-14-14NE	Crescentwood	15537	Catch Basin	Paved Concrete	36	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris, Chimney Reconstruct, Reset F&C w/Ext. Seal	2016	0145-0458
NS59-14-15	Gratiot Ave	22044	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-16	Gratiot Ave	22048	Combined MH	Paved-Conc	48	10.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-14-16A	Gratiot Ave	22048	Combined MH	Paved-Asph	48	6.1	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458
NS59-14-16E	Chestnut	15526	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS59-14-17	Gratiot Ave	22130	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-2	Gratiot Ave	21500	Combined MH	Paved-Asph	60	17.2	Precast	1	1	1	1	0.5	4.5	2	9		2016	0145-0458
NS59-14-3	Gratiot Ave	21500	Combined MH	Paved-Asph	60	17.2	Precast	1	1	1	1	0.5	4.5	2	9		2016	0145-0458
NS59-14-4	Gratiot Ave	21500	Combined MH	Paved-Asph	60	16.9	Precast	1	1	1	1	0.5	4.5	2	9		2016	0145-0458
NS59-14-5	Gratiot Ave	21500	Combined MH	Paved-Asph	60	16.5	Precast	1	1	1	1	0.5	4.5	3	13.5		2016	0145-0458
NS59-14-6	Gratiot Ave	21530	Combined MH	Sidewalk	48	16.3	Brick	1	0.5	0.8	1	0.5	3.8	4	15.2		2016	0145-0458
NS59-14-7	Gratiot Ave	21650	Combined MH	Sidewalk	48	13.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-14-8	Gratiot Ave	21650	Combined MH	Driveway-Asph	48	12.6	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-14-9	Gratiot Ave	21650	Combined MH	Driveway-Asph	48	12.7	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458

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NS59-15	Gratiot Ave	21330	Combined MH	Sidewalk	48	18.8	Brick	1	0.5	0.8	1	1	4.3	3	12.9		2016	0145-0458
NS59-15SE	Gratiot but cb is on Veronica	21300	Catch Basin	Paved Concrete	48	3.0	Block	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-16	Veronica Ave		Sanitary MH	Paved-Conc	48	17.5	Precast	1	1	0.8	1	1	4.8	2	9.6		2007	0145-0320
NS59-16-1	Veronica Ave		Combined MH	Paved-Conc	48	16.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-16-1SE	Gratiot. Catch basin is on Veronica	21411	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS59-16-2	Lincoln Ave		Combined MH	Paved-Asph	48	14.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-16-2-1	Lincoln Ave		Combined MH	Paved-Conc	48	14.0	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-16-2-1NE	Lincoln	15005	Catch Basin	Paved Concrete			Block	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NS59-16-2-1NNW	Lincoln	14999	Catch Basin	Paved Concrete	24	2.8	Block	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NS59-16-2-1NW	Lincoln	14999	Catch Basin	Paved Concrete	24	3.4	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS59-16-2-1SE	Lincoln	15004	Catch Basin	Paved Concrete	36	3.0	Block	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NS59-16-2-1SW	Lincoln	14998	Catch Basin	Paved Concrete	24	3.4	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS59-16-2-1W	Lincoln	14998	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	1	3.2	2	6.4	Remove Debris	2016	0145-0458
NS59-16-2-2	Lincoln Ave	14920	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-16-2-2NW	Lincoln	14907	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-16-2-2SW	Lincoln	14755	Catch Basin	Paved Concrete	26	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-16-2-2W	Lincoln	14920	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-16-2-2WNW	Lincoln	14755	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS59-16-2-3	Lincoln Ave	14701	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-16-2-3A	Lincoln Ave		Combined MH	Paved-Conc	48	8.4	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-16-2-3AN	Lincoln	14605	Catch Basin	Paved Concrete	22	4.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-16-2-3ANE	Lincoln	14615	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-16-2-3E	Lincoln	14729	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris, Replace Manhole	2016	0145-0458
NS59-16-2-3N	Lincoln	14701	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-16-2-3NE	Lincoln	14729	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Manhole	2016	0145-0458
NS59-16-2-3W	Lincoln	14701	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-16-2-4			Combined MH	Yard-Front	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-16-2-4-1	Beechwood Ave	21535	Combined MH	Yard-Front	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-16-2-4ANW	Beechwood	21355	Catch Basin	Paved Concrete	46	3.3	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-16-2A	Gratiot Ave	21543	Combined MH	Paved-Conc	48	13.7	Block	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-16-2E	Gratiot but cb is on Lincoln	21475	Catch Basin	Paved Concrete	18	5.1	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-16-2NE	Gratiot	21515	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-16-3	Toepfer Rd		Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-16-3-2	Toepfer Rd	15040	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-16-3-2ASW	Toepfer	15020	Catch Basin	Paved Concrete	48	3.7	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Replace Cover	2016	0145-0458
NS59-16-3-2N	Toepfer, CB on Elmwood	15105	Catch Basin	Paved Concrete	24	2.9	Block	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NS59-16-3-2NNW	Toepfer, CB on Elmwood	15023	Catch Basin	Paved Concrete	22		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Remove Debris	2016	0145-0458
NS59-16-3-3	Toepfer Rd	15000	Combined MH	Paved-Conc	48	9.8	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-16-3-3A	Toepfer Rd		Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NS59-16-3-3N	Toepfer	15000	Catch Basin	Paved Concrete	48	3.0	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NS59-16-3-3SE	Toepfer	15000	Catch Basin	Paved Concrete	48	3.0	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NS59-16-3-4	Toepfer Rd		Combined MH	Paved-Conc	48	8.3	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NS59-16-3-4SE	Toepfer	14840	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS59-16-3-4SSE	Toepfer	14904	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS59-16-4	Gratiot Ave	21705	Combined MH	Sidewalk	48	12.5	Precast	1	0.5	0.8	1	1	4.3	2	8.6		2016	0145-0458
NS59-16-5	Gratiot Ave	21705	Combined MH	Driveway-Asph	48	13.1	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-17	Veronica Ave		Combined MH	Paved-Conc	48	18.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-17-1	Veronica Ave	14970	Combined MH	Paved-Conc	48	10.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-17-1A	Veronica Ave		Combined MH	Paved-Conc	48	8.6	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-17-1ANE	Veronica	14935	Catch Basin	Paved Concrete	24	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS59-17-1ASE	Veronica	14900	Catch Basin	Paved Concrete	24	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Seal Wall Joints	2016	0145-0458
NS59-17-2	Veronica Ave	14740	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-17-3	Veronica Ave	14640	Combined MH	Paved-Conc	48	7.9	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-17A	Gratiot Ave	21319	Combined MH	Paved-Conc	48	18.0	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-17AE	Veronica	15042	Catch Basin	Paved Concrete	18	5.3	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-17ANE	Veronica	15025	Catch Basin	Paved Concrete	24		Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Remove Debris	2016	0145-0458
NS59-17B	Veronica Ave		Combined MH	Paved-Conc	48	11.3	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NS59-17BN	Veronica, catch basin in Hayes	15007	Catch Basin	Paved Concrete	36	2.8	Block	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-17BNW	Veronica. Catch basin is on Hayes	14989	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS59-17BS	Veronica, catch basin on Hayes	15004	Catch Basin	Paved Concrete	36	3.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Vactor Clean	2016	0145-0458
NS59-17BSW	Veronica, catch basin on Hayes	14990	Catch Basin	Paved Concrete	24	3.0	Precast	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NS59-18	Collinson Ave		Combined MH	Paved-Conc	48	16.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-18-1	Collinson Ave	14850	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-18-1N	Collinson	14853	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-18-1W	Collinson	14850	Catch Basin	Nonpaved	24	3.7	Precast	0.5	0.5	0.5	0.4	0.5	2.4	2	4.8		2016	0145-0458
NS59-18-2	Collinson Ave	14770	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-18-2NE	Collinson	14821	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Remove Debris	2016	0145-0458
NS59-18-2NW	Collinson	14770	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-18-3NNW	Collinson	14734	Catch Basin	Paved Concrete	18	2.0	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-18-3NW	Collinson	14704	Catch Basin	Yard Side	18	4.8	Other	0.5	0.5	0.5	0.4	0.5	2.4	2	4.8		2016	0145-0458
NS59-18N	Collinson	15019	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-18NW	Gratiot, catch basin on Collinson	21165	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-19	Gratiot Ave	21145	Combined MH	Paved-Asph	48	17.6	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-1A	Boulder Ave	22476	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS59-1E	9 Mile	16304	Catch Basin	Paved Asphalt	21	4.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Chimney Reconstruct, Pavement Replacement, Point Pipes, Seal Wall Joints	2016	0145-0458
NS59-2	Boulder Ave	22400	Combined MH	Paved-Conc	48	12.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-20-1	Gratiot Ave	21103	Combined MH	Paved-Conc	48	9.6	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NS59-21	Agnes Ave		Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NS59-21-1	Agnes Ave	14722	Combined MH	Paved-Conc	48	9.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-21-1NE	Agens	14725	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-21-1NW	Agens	14714	Catch Basin	Paved Concrete	24	1.8	Brick	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-21-2	Agnes Ave	14634	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-21-2N	Agens		Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-21-2W	Agens		Catch Basin	Paved Concrete	18	5.1	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS59-21-3	Beechwood Ave		Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-21-4	Beechwood Ave	21326	Combined MH	Paved-Conc	48	7.2	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-21-4N	Beechwood	21355	Catch Basin	Paved Concrete	45	3.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-21-4S	Beechwood	21332	Catch Basin	Paved Concrete	48	7.4	Brick	0.5	1	0.8	0.8	0.5	3.6	2	7.2	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS59-21N	Agens	14802	Catch Basin	Paved Concrete	24	3.3	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-21S	Hayes	14802	Catch Basin	Paved Concrete	48	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Chimney Reconstruct	2016	0145-0458
NS59-21W	Agens	14794	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-22	Lydia Ave		Combined MH	Driveway-Conc	48	14.3	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-22-1	Lydia Ave	14740	Combined MH	Yard-Front	48	10.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-22-1A	Lydia Ave	14784	Combined MH	Yard-Front	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-22-1ANNW	Lydia	14795	Catch Basin	Paved Concrete	28	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-22-1ANW	Lydia	14786	Catch Basin	Paved Concrete	42		Block	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-22-1N	Lydia	14741	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-22-1NW	Lydia	14732	Catch Basin	Paved Concrete	42	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-22-2	Lydia Ave	14630	Combined MH	Yard-Front	48	8.4	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-22-2A	Lydia Ave	14674	Combined MH	Yard-Front	48	9.0	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-22-2AN	Lydia	14674	Catch Basin	Paved Concrete	48	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-22-2ANW	Lydia	14675	Catch Basin	Paved Concrete	28	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-23	Gratiot Ave	21005	Combined MH	Driveway-Asph	48	14.1	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-24	Gratiot Ave	21007	Combined MH	Paved-Conc	48	14.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-24-1	Jacob Ave	14767	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-24-1NE	Jacob	14767	Catch Basin	Paved Concrete	20	3.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct	2016	0145-0458
NS59-24-1SE	Ego	14740	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-24-2	Jacob Ave	14706	Combined MH	Paved-Conc	48	10.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-24-2N	Jacob	14703	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-24-3	Beechwood Ave		Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-24-3S	Beechwood	21077	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-24-3SW	Beechwood	21077	Catch Basin	Paved Concrete	18	6.5	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Remove Debris	2016	0145-0458
NS59-24-4	Beechwood Ave		Combined MH	Paved-Conc	48	7.5	Block	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-24-4N	Beechwood	21202	Catch Basin	Paved Concrete	28	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-24-4NW	Beechwood	21207	Catch Basin	Paved Concrete	28	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-24-4S	Beechwood	21140	Catch Basin	Paved Concrete	27	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

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NS59-25	Ego Ave	14724	Combined MH	Driveway-Conc	48	13.0	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-25-1	Ego Ave	14636	Combined MH	Paved-Conc	48	9.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-25-1N	Ego	14637	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS59-25-1W	Ego	14636	Catch Basin	Paved Concrete	24	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-25-2	Beechwood Ave		Combined MH	Paved-Conc	48	10.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-25-2N	Beechwood	21004	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-25-2NW	Beechwood	20955	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS59-25-2S	Beechwood	20944	Catch Basin	Paved Concrete	18	6.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-25-3	Beechwood Ave	20904	Combined MH	Paved-Conc	48	7.9	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-25-3S	Beechwood	20904	Catch Basin	Paved Concrete	48	5.3	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS59-25-3SSW	Beechwood	20901	Catch Basin	Paved Concrete	48	5.0	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-25N	Ego	14740	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-25W	Ego	14724	Catch Basin	Paved Concrete	24	4.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-26	Juliana Ave	14725	Combined MH	Paved-Conc	48	12.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-26-1	Juliana Ave	14687	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-26-1S	Juliana	14710	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458
NS59-26-1W	Juliana	14687	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458
NS59-26-2	Juliana Ave	14630	Combined MH	Paved-Conc	48	8.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-26E	Juliana	14733	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-27	Gratiot Ave	20777	Combined MH	Non-Paved	48	13.5	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-28	Gratiot Ave	20733	Combined MH	Paved-Conc	48	13.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-28-1	Eight Mile Rd	14859	Combined MH	Non-Paved	48	13.0	Brick	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-28-2	Eight Mile Rd	14859	Combined MH	Non-Paved	48	12.9	Other	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-28-3	Eight Mile Rd	14859	Combined MH	Non-Paved	48	11.9	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-28-4	Eight Mile Rd	14859	Combined MH	Non-Paved	48	7.9	Block	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458
NS59-29	Gratiot Ave	20703	Combined MH	Paved-Asph	48	12.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-2AS	Boulder	22180	Catch Basin	Paved Concrete	42	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS59-2ASW	Boulder	22185	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS59-3	Boulder Ave	22154	Combined MH	Paved-Conc	48	22.1	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458

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NS59-30	Gratiot Ave	20703	Combined MH	Paved-Asph	48	13.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-5	Boulder Ave	21854	Combined MH	Paved-Conc	48	12.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-5SW	Boulder	21847	Catch Basin	Paved Concrete	18	4.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris, Vactor Clean	2016	0145-0458
NS59-5W	Boulder	22003	Catch Basin	Paved Concrete	18	4.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Reset F&C w/Ext. Seal, Pavement Replacement, Seal Wall Joints, Vactor Clean, Remove Debris	2016	0145-0458
NS59-6	Toepfer Rd	16305	Combined MH	Paved-Conc	48	22.0	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-6-1	Boulder between Lincoln and Toepfer	16306	Combined MH	Paved Concrete	48	19.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS59-6-10	Sprenger	16405	Combined MH	Paved Asphalt	48	12.8	Combination	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS59-6-10NE	Sprenger	16405	Catch Basin	Paved Asphalt	20	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-10NW	Sprenger	16215	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-10SE	Sprenger	16404	Catch Basin	Paved Asphalt	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-10SW	Sprenger	16224	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NS59-6-11	Boulder between Ego and Springer	16405	Combined MH	Yard Front	48	13.0	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Grout	2016	0145-0458
NS59-6-11-1	Ego	16077	Combined MH	Yard Back	48	10.9	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS59-6-11-1N	Sprenger	16154	Catch Basin	Paved Asphalt	20	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-11-1NW	Sprenger	16155	Catch Basin	Paved Asphalt	20	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Point Pipes	2016	0145-0458
NS59-6-11-2	Ego	16003	Combined MH		48	9.9	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel, Chimney Reconstruct	2016	0145-0458
NS59-6-1-1SSW	Lincoln	16385	Catch Basin	Paved Concrete	24	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-1-1SW	Lincoln	16385	Catch Basin	Paved Concrete	48	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-6-12	Boulder between Juliana and Ego	16404	Combined MH	Yard Front	48	11.9	Combination	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Grout	2016	0145-0458
NS59-6-12-1	Ego	16084	Combined MH	Yard Back		12.1	None	1	0.5	0.5	1	0.5	3.5	3	10.5	Internal Chimney Seal	2016	0145-0458
NS59-6-12-1N	Ego	16077	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS59-6-12-1NW	Ego	16074	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-12-2	Juliana	16095	Combined MH	Yard Side	48	10.3	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6	Internal Chimney Seal	2016	0145-0458
NS59-6-13	Boulder at Juliana	16404	Combined MH	Yard Front	48	11.5	Combination	1	0.5	0.8	1	0.5	3.8	3	11.4	Reset F&C w/Ext. Seal, Internal Chimney Seal, Chimney Reconstruct, Grout	2016	0145-0458
NS59-6-13N	Juliana but cb is on boulder	16405	Catch Basin	Paved Asphalt	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-6-13NW	Juliana	16215	Catch Basin	Paved Asphalt	24	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-6-13SW	Juliana but cb is on boulder	16404	Catch Basin	Paved Asphalt	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Remove Debris	2016	0145-0458
NS59-6-13W	Juliana	16214	Catch Basin	Paved Concrete	26	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NS59-6-14	Boulder between Stricker and Juliana	16404	Combined MH	Yard Front	48	11.6	Combination	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Grout	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-6-14-1	Stricker	16165	Combined MH	Yard Back	48	9.1	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6	Internal Chimney Seal	2016	0145-0458
NS59-6-14-1N	Juliana	16165	Catch Basin	Paved Asphalt	24	2.6	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-6-14-1NW	Juliana	16164	Catch Basin	Paved Asphalt	48	3.3	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-6-14-2	Stricker	16085	Combined MH	Yard Back	48	9.1	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-6-15	8 Mile	16435	Combined MH	Yard Front	48		Combination	1	0.5	0.8	0.2	0.5	3	3	9	Internal Chimney Seal, Grout	2016	0145-0458
NS59-6-15AN	Stricker	16164	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-6-15ANE	Stricker	16165	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-6-15N	Stricker but cb is on boulder	16415	Catch Basin	Paved Asphalt	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-6-15NW	Stricker	16215	Catch Basin	Paved Concrete	18	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Frame, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS59-6-15W	Stricker	16214	Catch Basin	Paved Concrete	18	4.7	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-16	8 Mile	16435	Combined MH	Paved Asphalt	48	10.8	Precast	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal	2016	0145-0458
NS59-6-16SW	8 mile	16435	Catch Basin	Paved Concrete	50	3.2	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-6-17	8 Mile	16145	Combined MH	Paved Concrete	48	8.0	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-6-18	8 Mile	16085	Combined MH	Yard Back	48	8.2	Precast	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458
NS59-6-1A	Toepher	16140	Combined MH	Yard Back	48	13.3	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-6-1B	Toepher	16110	Combined MH	Yard Back	48	10.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS59-6-1BSSW	Redmond but cb is on Lincoln	16074	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS59-6-1BSW	Redmond but cb is on lincoln	16075	Catch Basin	Paved Concrete	24	5.5	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-6-2	Boulder N of Lincoln	16305	Combined MH	Paved Concrete	48	19.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS59-6-3	Boulder at Lincoln	16305	Combined MH	Paved Concrete	48	17.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-6-3E	Lincoln	16305	Catch Basin	Paved Concrete	18	5.3	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-6-3NE	Lincoln	16305	Catch Basin	Paved Concrete	36	1.9	Brick	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-6-3NW	Lincoln	16175	Catch Basin	Paved Concrete	48	3.1	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-6-3W	Lincoln	16175	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-6-4	Boulder at Lincoln	16354	Combined MH	Yard Front	48	18.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Chimney Reconstruct, Seal Lift Holes	2016	0145-0458
NS59-6-4NE	Lincoln	16354	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-4NNW	Lincoln	16164	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-4NW	Lincoln	16164	Catch Basin	Paved Concrete	48			0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-6-5	Boulder between Collinson and Lincoln	16354	Combined MH	Paved Asphalt	48	17.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-6-5-2	Veronica	16085	Combined MH	Yard Back	48	10.6	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS59-6-5A	Lincoln	16404	Combined MH	Yard Back	48	11.9	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS59-6-5AN	Lincoln	16404	Catch Basin	Paved Concrete	48	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-6-5ANW	Lincoln	16404	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-5B	Veronica	21450	Combined MH	Paved Asphalt	48	16.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-6-6	Veronica at Boulder	16404	Combined MH	Paved Asphalt	48	15.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS59-6-6NW	Veronica	21450	Catch Basin	Paved Asphalt	24	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-6SSW	Boulder	16404	Catch Basin	Paved Asphalt	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-6SW	Boulder but cb is on Veronica	16194	Catch Basin	Paved Asphalt	22	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS59-6-6W	21451	Veronica	Catch Basin	Paved Concrete	18	3.1		0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-7	Boulder between Collinson and Veronica	16405	Combined MH	Yard Front	48	15.2	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS59-6-8	Boulder at Collinson	16404	Combined MH	Paved Concrete	48	13.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Seal Lift Holes, Point Pipes	2016	0145-0458
NS59-6-8E	Collinson	16405	Catch Basin	Paved Asphalt	18	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-6-8SE	Collinson	16404	Catch Basin	Paved Asphalt	20	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-8SW	Collinson	16214	Catch Basin	Paved Concrete	20	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-8W	Collinson	16225	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-6-9	Boulder between Sprenger and Collinson	16405	Combined MH	Yard Front	48	13.4	Combination	1	0.5	0.8	1	0.5	3.8	3	11.4	Remove Debris, Grout	2016	0145-0458
NS59-6-9-1N	Collinson	16164	Catch Basin	Paved Asphalt	48	5.6	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS59-6-9-1NW	Collinson	16165	Catch Basin	Paved Asphalt	24	4.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-6-9-2	Sprenger	16085	Combined MH	Yard Back	48	10.2	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS59-6A	Toepfer Rd	16305	Combined MH	Paved-Asph	48	12.0	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS59-6A-A	Toepfer Rd	16315	Combined MH	Yard-Front	48	14.4	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NS59-6ASW	Toepfer	21705	Catch Basin	Paved Asphalt	24	4.1	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS59-6B	Toepfer Rd	16343	Combined MH	Paved-Asph	48	7.8	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NS59-6B-B	Toepfer Rd	16501	Combined MH	Sidewalk	48	9.4	Precast	1	0.5	0.8	1	1	4.3	2	8.6		2016	0145-0458
NS59-6SSW	Toepfer	16240	Catch Basin	Driveway Asphalt	24	3.8	Block	0.5	0.5	0.5	0.4	1	2.9	2	5.8		2016	0145-0458
NS59-7	Redmond Ave	21704	Combined MH	Yard-Side	48	20.3	Brick	1	0.5	0.8	1	1	4.3	3	12.9		2016	0145-0458
NS59-7-0-2	Glander Ave	15590	Combined MH	Yard-Back	48	13.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-7-0-2N	Crescentwood	15581	Catch Basin	Paved Concrete	18	3.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-7-0-2NW	Crescentwood	15580	Catch Basin	Paved Concrete	36	5.6	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-7-1	Redmond Ave	21822	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-7-1S	Redmond	21822	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Vactor Clean, Pavement Replacement	2016	0145-0458
NS59-7-1SW	Redmond, West curb	21822	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS59-7-2	Redmond Ave	21928	Combined MH	Paved-Conc	48	9.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-7-2A	Redmond Ave	21934	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-7-2ANW	Ash, cb on Redmond	15772	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NS59-7-2BNW	Redmond	21898	Catch Basin	Paved Concrete	18	4.7	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-7-2BS	Redmond	21846	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS59-7-2BSW	Chestnut	15710	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NS59-7-2BW	Chestnut	15693	Catch Basin	Paved Concrete	18	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Seal Wall Joints	2016	0145-0458
NS59-7-2BWSW	Chestnut	15698	Catch Basin	Paved Concrete	18	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal, Raise	2016	0145-0458
NS59-7N	Redmond	21704	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS59-7NW	Crescentwood, CB on Redmond	15744	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-7SE	Redmond, CB on Toepfer	21704	Catch Basin	Paved Asphalt	18	5.3	Precast	0.5	1	0.5	0.6	1	3.6	2	7.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS59-8	Redmond Ave	21452	Combined MH	Paved-Conc	48	19.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct, Point Pipes	2016	0145-0458
NS59-8-0	Virginia	21171	Combined MH	Paved Concrete	48	15.9	Precast	1	1	0.8	1	0.5	4.3	3	12.9	Reset F&C w/Ext. Seal, Chimney Reconstruct	2016	0145-0458
NS59-8-0-1	Victoria	21135	Combined MH	Yard Front	48	16.7	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-8-0-2	Victoria	21063	Combined MH	Yard Front	48	13.9	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-8-0-2NE	Springer. Cb on Virginia	16085	Catch Basin	Paved Asphalt	18	4.3	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-8-0-2NNE	Virginia	21063	Catch Basin	Paved Asphalt	22	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS59-8-0-3	Victoria	21003	Combined MH	Yard Front	48	12.0	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS59-8-0-3NE	Virginia	16003	Catch Basin	Paved Concrete	24	2.8	Brick	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-8-0-3S	Virginia	21003	Catch Basin	Paved Concrete	48	4.6	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-8-0-3SE	Eagle. Cb on virginia	16004	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal	2016	0145-0458
NS59-8-0-3SSE	Virginia	20843	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-8-0-4	Virginia	20813	Combined MH	Yard Front	48	11.3	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS59-8-0-4SE	Juliana. Cb is on Virginia	16084	Catch Basin	Paved Concrete	24	2.0	Combination	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-8-0-5	Virginia	20753	Combined MH	Yard Front	48	10.9	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-8-0-6	Virginia	20703	Combined MH	Paved Concrete	48	8.8	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-8-0-6N	Virginia	20723	Catch Basin	Paved Concrete	21	2.1	Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Chimney Reconstruct, Seal Wall Joints	2016	0145-0458
NS59-8-0-6NE	Virginia	16084	Catch Basin	Paved Concrete	18	2.8	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NS59-8-0A	Virginia	21473	Combined MH	Yard Front	48	8.4	Precast	1	0.5	0.8	0.8	0.5	3.6	2	7.2		2016	0145-0458
NS59-8-0A	Veronica. Cb on virginia	16085	Catch Basin	Paved Asphalt	21	2.3	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-8-0NE	Veronica. Cb is on Virginia	16084	Catch Basin	Paved Asphalt	24	2.9	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-8-0NNE	Virginia	21423	Catch Basin	Paved Asphalt	21	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NS59-8-0SE	Virginia	21171	Catch Basin	Paved Asphalt	18	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NS59-8-1	Redmond Ave	21346	Combined MH	Paved-Conc		16.3		1	1	0.5	1	0.5	4	2	8		2016	0145-0458
NS59-8-1NE	Redmond	21346	Catch Basin	Paved Concrete	24	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-8-1SW	Redmond	21347	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-8-2	Redmond Ave	21216	Combined MH	Paved-Conc	48	13.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-8-2S	Redmond	21216	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS59-8-2SW	Redmond	21217	Catch Basin	Paved Concrete	18	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-8-3	Redmond @ Ego	20850	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-8-3-1	Ego Ave	20951	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-8-3-1NW	Universal but cb on ego	21002	Catch Basin	Paved Concrete			Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-8-3-1W	Ego	20952	Catch Basin	Paved Concrete	42	2.8	Block	0.5	1	0.8	0.2	0.5	3	2	6	Internal Chimney Seal	2016	0145-0458
NS59-8-3A	Redmund on Ego Ave	209520	Combined MH	Paved-Conc	48	8.4	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS59-8-3N	Redmond	21102	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-8-3S	Redmond	20950	Catch Basin	Paved Concrete	24	5.5	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct	2016	0145-0458
NS59-8-3SW	Redmond	20951	Catch Basin	Paved Concrete		5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-8-4	Redmond Ave	20920	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-8-4S	Redmond	20920	Catch Basin	Paved Concrete	24	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-8-4SW	Redmond	20923	Catch Basin	Paved Concrete	26	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-8-5	Redmond Ave	20840	Combined MH	Paved-Conc	48	10.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-8-5S	Redmond	20834	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-8-5SW	Redmond	20817	Catch Basin	Paved Concrete	18	4.7	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-8-6	Redmond Ave	20726	Combined MH	Paved-Conc	48	8.7	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4	Replace Cone Section	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-8-7	Redmond Ave	20710	Combined MH	Driveway Concrete	48	8.6	Brick	1	0.5	0.8	0.8	0.5	3.6	3	10.8	Replace Cone Section	2016	0145-0458
NS59-8-7N	Redmond	20710	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-8-7NW	Redmond	20715	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-8AS	Redmond	21460	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS59-8NE	Redmond, cb on Veronica	21452	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-8NW	Redmond, CB on north curb of Veronica	21347	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS59-8-NW	Redmond	21103	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-8SE	Redmond, cb on Veronica	21346	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS59-8SSW	Redmond, CB on Veronica	21347	Catch Basin	Paved Concrete	44	3.5	Brick	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9	Universal Ave	21340	Combined MH	Paved-Conc	48	20.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-0	Universal Ave		Combined MH	Sidewalk	48	15.5	Brick	1	0.5	0.8	1	0.5	3.8	4	15.2		2016	0145-0458
NS59-9-0-1	Universal Ave		Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-0-1A	Universal Ave		Combined MH	Paved-Asph	48	8.8	Brick	1	1	0.8	0.8	1	4.6	4	18.4		2016	0145-0458
NS59-9-0-1ANNW	Toepfer	15701	Catch Basin	Paved Asphalt	24	4.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS59-9-0-1E	Universal	21450	Catch Basin	Paved Asphalt	48	3.3	Brick	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NS59-9-0-1NW	Universal	21450	Catch Basin	Paved Concrete	18	2.9	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-9-0-1S	Universal	21440	Catch Basin	Paved Concrete	36	3.6		0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-0-1SE	Universal	21440	Catch Basin	Paved Concrete	22	5.4	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Lift Holes, Internal Chimney Seal	2016	0145-0458
NS59-9-0-2	Lincoln Ave	15612	Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-0-2A	Toepfer Rd		Combined MH	Yard-Front	48	7.1	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-9-0-2B	Toepfer Rd		Combined MH	Paved-Asph	48	6.0	Block	1	1	0.8	0.6	1	4.4	3	13.2		2016	0145-0458
NS59-9-0-2BB	Toepfer Rd		Combined MH	Two-Lane	48	7.5	Brick	1	1	0.8	0.8	1	4.6	4	18.4		2016	0145-0458
NS59-9-0-2BNE	Toepfer, across street	15661	Catch Basin	Paved Asphalt	24	5.6	Block	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NS59-9-0-2BNW	Toepfer		Catch Basin	Paved Asphalt			Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS59-9-0-3	Lincoln Ave	15545	Combined MH	Paved-Conc	48	9.7	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-0-3A	Jean Ave	21551	Combined MH	Paved-Conc	48	8.4	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-0-3N	Lincoln but cb is on Jean	15545	Catch Basin	Paved Concrete	36	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-0-3NW	Lincoln but cb is on Jean	15545	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-0-3S	Lincoln	15548	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-9-0-3W	Lincoln	15545	Catch Basin	Paved Concrete	48	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-0-4	Lincoln Ave	15505	Combined MH	Paved-Conc	48	8.4	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-0-5	Crusade Ave	21552	Combined MH	Paved-Conc	48	7.5	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-0-NW	Toepfer, across street	15701	Catch Basin	Paved Asphalt	18	5.4	Precast	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NS59-9-1	Universal Ave	21252	Combined MH	Paved-Conc	48	19.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-11	Eight Mile Rd	15297	Combined MH	Paved-Asph	48	6.4	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458
NS59-9-1-1	Collinson Ave	15674	Combined MH	Paved-Conc	48	16.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-1-2	Sprenger Ave	15674	Combined MH	Yard-Back	48	16.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-12A	Stricker Ave	15311	Combined MH	Paved-Conc	48	8.8	Precast	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-12ANE	Stricker, but CB is on Brock	15311	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-12ANW	Brock	15311	Catch Basin	Paved Concrete	48		Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-1-4	Collinson Ave	15416	Combined MH	Paved-Conc	48	9.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-1-4A	Collinson Ave	15416	Sanitary MH	Paved-Conc	48	5.4	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-15	Eight Mile Rd	15205	Combined MH	Paved-Conc	48	10.0	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-1-5AN	Collinson	15361	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Pavement Replacement, Remove Debris, Reset F&C w/Ext. Seal, Chimney Reconstruct	2016	0145-0458
NS59-9-1-5ASW	Collinson	15352	Catch Basin	Paved Concrete	36	5.6		0.5	1	0.5	0.6	0.5	3.1	2	6.2	Remove Debris	2016	0145-0458
NS59-9-16	Eight Mile Rd	15005	Combined MH	Paved-Asph	48	10.3	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-1-6A	Collinson Ave	15237	Sanitary MH	Driveway-Conc	48	5.5	Brick	1	0.5	0.8	0.6	0.5	3.4	4	13.6		2007	0145-0320
NS59-9-1-6AN	Collinson but Brock	15312	Catch Basin	Paved Concrete	48	7.0	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS59-9-1-6ANW	Collinson but cb is on brock	15230	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Manhole	2016	0145-0458
NS59-9-1-6BE	Collinson	15303	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole, Pavement Replacement, Remove Debris	2016	0145-0458
NS59-9-1-6BSE	Collinson	15312	Catch Basin	Paved Concrete	30	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NS59-9-17	Gratiot Ave	20840	Combined MH	Driveway-Conc	48	8.8	Precast	1	0.5	0.8	0.8	0.5	3.6	3	10.8		2016	0145-0458
NS59-9-1-7	Gratiot Ave	21230	Combined MH	Paved-Conc	48	11.7	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-1-8	Gratiot Ave	21250	Combined MH	Paved-Conc	48	10.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-1-1A	Veronica Ave		Combined MH	Paved-Conc	48	19.8	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-1AA	Veronica Ave		Sanitary MH	Paved-Conc	48	20.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NS59-9-1AE	Universal, CB on north curb of Veronica	21345	Catch Basin	Paved Concrete	24	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-9-1ASE	Universal, cb on Veronica	21345	Catch Basin	Paved Concrete	48	4.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-9-1B	Veronica Ave	15615	Combined MH	Paved-Conc	48	17.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-9-1C	Veronica Ave	15505	Combined MH	Paved-Conc	48	18.5	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-1CNW	Veronica	15393	Catch Basin	Paved Concrete	24	3.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NS59-9-1CSW	Veronica	15394	Catch Basin	Paved Concrete	48	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-1D	Veronica Ave	15329	Combined MH	Paved-Conc	48	18.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-9-1E	Gratiot Ave	21330	Combined MH	Paved-Conc	48	18.6	Precast	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-9-1ENE	Gratiot but cb is on veronica	21400	Catch Basin	Paved Concrete	24	2.6	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Remove Debris	2016	0145-0458
NS59-9-1N	Universal	21308	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Remove Debris, Internal Chimney Seal	2016	0145-0458
NS59-9-1NW	Universal	21305	Catch Basin	Paved Concrete	42	2.8		0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-2	Universal Ave	21058	Combined MH	Paved-Conc	48	16.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-2-1	Sprenger Ave	15714	Combined MH	Paved-Conc	48	14.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-2-3NE	Sprenger	15616	Catch Basin	Paved Concrete	42			0.5	1	0.8	0.2	0.5	3	2	6	Internal Chimney Seal	2016	0145-0458
NS59-9-2-3NNW	Sprenger	15553	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NS59-9-2-3NW	Sprenger	15554	Catch Basin	Paved Concrete	42	3.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Point Pipes	2016	0145-0458
NS59-9-2-4	Sprenger Ave	15416	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-2-4AE	Sprenger	15500	Catch Basin	Paved Concrete	36	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-2-4AN	Sprenger but cb is on crusade	15417	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS59-9-2-4ANE	Sprenger	15505	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-2-4ANNE	Springer but cb is on crusade	15505	Catch Basin	Paved Concrete	18	4.1	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-9-2-4ANW	Sprenger	15417	Catch Basin	Paved Concrete	18	4.6	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS59-9-2-4AW	Sprenger	15416	Catch Basin	Paved Concrete	42	3.2		0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS59-9-2-5ASE	Sprengler	15344	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-2-6	Sprenger Ave	15132	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-2-6A	Sprenger Ave	15161	Sanitary MH	Paved-Conc	48	6.1	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-2-6AN	Springer but cb is on Brock	15161	Catch Basin	Paved Concrete	48	5.1	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS59-9-2-6ANE	Sprenger but cb is on Brock	15305	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-9-2-6AS	Sprenger but cb is on Brock	15162	Catch Basin	Paved Concrete	48	6.9	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS59-9-2-7	Gratiot Ave	21030	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-2-7A	Gratiot Ave	21030	Combined MH	Paved-Conc	48	10.9	Block	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-9-2N	Universal	21058	Catch Basin	Paved Concrete	22	3.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-2NW	Universal	21203	Catch Basin	Paved Concrete	48	4.0	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-3	Universal Ave	20952	Combined MH	Paved-Conc	48	14.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-3-1	Ego Ave	15714	Combined MH	Yard-Front	48	11.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-3-1NW	Ego	15715	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-3-1NW	Ego	15714	Catch Basin	Paved Concrete	48	4.6		0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-3-4	Ego Ave	15416	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-3-4A	Ego Ave	15410	Sanitary MH	Paved-Conc	48	6.5	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-3-4AN	Ego but cb is on crusade	15415	Catch Basin	Paved Concrete	48		Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-3-4ANE	Ego but cb is on crusade	15505	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-3-4AW	Ego	15410	Catch Basin	Paved Concrete	48	4.7	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-3-6	Ego Ave	15290	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-3-6A	Ego Ave	15290	Sanitary MH	Paved-Asph	48	5.8	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-3-6ANE	Ego but cb is on brock	15305	Catch Basin	Paved Concrete	22	3.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-3-6ANW	Ego but cb is on Brock	15295	Catch Basin	Paved Concrete	48		Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-3-6ASE	Ego, CB on Brock	15300	Catch Basin	Paved Concrete	24	3.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-3-6ASW	Ego, CB on Brock	15290	Catch Basin	Paved Concrete	48		Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-3-8	Gratiot Ave	20958	Combined MH	Paved-Asph	48	10.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-3-9	Gratiot Ave	20980	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-3N	21002	Universal	Catch Basin	Paved Concrete	48	2.8	Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-3NW	21003	Universal	Catch Basin	Paved Concrete	48	3.4	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-3S	Universal	20952	Catch Basin	Paved Concrete	48	4.7	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-3SW	Universal	20953	Catch Basin	Paved Concrete	20	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS59-9-4	Universal Ave	20852	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-4-1	Juliana Ave	15714	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-4-2	Stricker Ave	15773	Combined MH	Yard-Back	48	12.5	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-4-4	Juliana Ave	15414	Combined MH	Paved-Conc	48	9.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-4-4AE	Juliana	15505	Catch Basin	Paved Concrete	48		Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-4-4ANNE	Crusade but cb is on Juliana	15505	Catch Basin	Paved Concrete	22		Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-9-4-4ANNW	Juliana but cb is on crusade	15415	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-4-4AS	Crusade but cb is on Juliana	15414	Catch Basin	Paved Concrete	24	3.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-4-4ASE	Juliana	15504	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-4-4ASSE	Juliana but cb is on crusade	15504	Catch Basin	Paved Concrete	48	3.7		0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-4-4ASV	Juliana	15414	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-4-4AW	Juliana	15415	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-4-6	Juliana Ave	15300	Combined MH	Paved-Conc	48	9.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-4-7	Juliana Ave	15303	Sanitary MH	Paved-Conc	48	6.7	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-4-7NE	Juliana, CB on brock	15303	Catch Basin	Paved Concrete	48	3.2	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-4-7NW	Juliana, CB on Brock	15303	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-4-NW	Universal	20905	Catch Basin	Paved Concrete	48	2.5	Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-4S	Universal	20844	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS59-9-4SW	Universal	20845	Catch Basin	Paved Concrete	48	2.3	Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-5	Universal Ave	20794	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-5-1	Eight Mile Rd	15921	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-5A	Eight Mile Rd	15843	Combined MH	Paved-Conc	48	12.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-5A-1N	8 mile	15843	Catch Basin	Paved Concrete	44	4.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Remove Debris	2016	0145-0458
NS59-9-5N	Universal	20818	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-5NE	Universal	20794	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Remove Debris	2016	0145-0458
NS59-9-5NNW	Universal	20805	Catch Basin	Paved Concrete	48	2.3	Precast	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS59-9-5NW	Universal	20727	Catch Basin	Paved Concrete	42	3.1		0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-6	Eight Mile Rd	15827	Combined MH	Yard-Back	48	13.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-6A	Universal Ave	20727	Sanitary MH	Paved-Conc	48	6.0	Brick	1	1	0.8	0.6	0.5	3.9	3	11.7		2007	0145-0320
NS59-9-6ANW	Stricker	15765	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS59-9-6AW	Stricker	15664	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NS59-9-7	Eight Mile Rd	15827	Combined MH	Yard-Back	48	13.2	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-8	Eight Mile Rd	15640	Combined MH	Yard-Back	48	13.4	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-9	Stricker Ave	15400	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-9A	Crusade Ave	15504	Sanitary MH	Paved-Conc	48	6.1	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-9-9AE	Stricker	15505	Catch Basin	Paved Concrete	48	4.7	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-9AN	Stricker, CB on Crusade	15415	Catch Basin	Paved Concrete	48	4.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-9ANE	Stricker, CB on Crusade	15505	Catch Basin	Paved Concrete	24	24.0	Precast	0.5	1	0.5	1	0.5	3.5	2	7	Internal Chimney Seal	2016	0145-0458
NS59-9-9AS	Stricker, CB on crusade	15400	Catch Basin	Paved Concrete	24	3.1	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-9ASE	Stricker	15504	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-9ASSE	Sticker, CB on Crusade	15504	Catch Basin	Paved Concrete	48	3.7	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9-9ASW	Stricker	15400	Catch Basin	Paved Concrete	24	3.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS59-9-9AW	Stricker	15415	Catch Basin	Paved Concrete	48	4.1	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9A	Universal Ave	21340	Combined MH	Paved-Conc	48	19.5	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9AN	Universal	21340	Catch Basin	Paved Concrete	48	3.7	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS59-9ANW	Universal	21345	Catch Basin	Paved Concrete	24	3.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-10NE	Prosper	18070	Catch Basin	Paved Concrete	24	3.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-10NNE	Prosper	18085	Catch Basin	Paved Concrete	24	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS61-1	Nine Mile Rd	16226	Combined MH	Paved-Asph	48	17.1	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS61-1-1	Nine Mile Rd	16304	Combined MH	Paved-Asph	48	11.4	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS61-1-10	Boulder Ave	21732	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS61-1-10SE	Boulder	21732	Catch Basin	Paved Concrete	18	5.2	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Seal Wall Joints, Chimney Reconstruct, Reset F&C w/Ext. Seal, Chimney Reconstruct,	2016	0145-0458
NS61-1-10SW	Boulder	21725	Catch Basin	Paved Concrete	21	4.5	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS61-1-2	Boulder Ave	22516	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS6-11-2			Combined MH					1	0.5	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-11-2-1	Schroeder Ave	21740	Combined MH	Driveway-Conc	48	10.4	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS6-11-2-2	Schroeder Ave	21830	Combined MH	Yard-Front	48	8.7	Precast	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS6-11-2-E	Schroeder	21830	Catch Basin	Paved Concrete	22	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-11-2-W	Schroeder	22829	Catch Basin	Paved Concrete	24	3.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS6-11-2NE	Schroeder	21730	Catch Basin	Paved Concrete	18	4.4	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS6-11-2NW	Schroeder	21721	Catch Basin	Paved Concrete	22	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS6-11-2S	Boulder	22516	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NS61-1-2SW	Boulder, west side of road	22516	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Remove Debris	2016	0145-0458
NS61-1-3	Boulder Ave	22438	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-11-3	Normandy Ave	21724	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS61-1-4	Boulder Ave	22414	Combined MH	Paved-Conc	48	24.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-11-4	Brittany Ave	21724	Combined MH	Paved-Conc	48	12.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS6-11-4A	Brittany Ave	21706	Combined MH	Paved-Conc	48		None	1	1	0.8	0.2	1	4	2	8		2007	0145-0320
NS6-11-4AS	Toepfer	17712	Catch Basin	Paved Asphalt	24	4.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-11-4S	Brittany	21724	Catch Basin	Paved Concrete	22	5.3	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS6-11-4SW	Brittany	21725	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS61-1-5	Boulder Ave	22180	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-11-5	Gascony Ave	21724	Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS6-11-5A	Gascony Ave	21706	Combined MH	Paved-Conc	48		Brick	1	1	0.8	0.2	1	4	2	8		2007	0145-0320
NS6-11-5ASW	Tuscany, CB on Toepfer	21707	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-11-5S	Gascony	21724	Catch Basin	Paved Concrete	24	2.7	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-11-5SW	Gascony	21723	Catch Basin	Paved Concrete	24	3.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS61-1-6	Boulder Ave	22102	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS6-11-6	Tuscany Ave	21730	Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS61-1-6A	Boulder Ave	22060	Combined MH	Paved-Conc	48	8.1	Precast	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS61-1-6AS	Boulder	22060	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Reset F&C w/Ext. Seal, Seal Wall Joints, Vactor Clean, Pavement Replacement	2016	0145-0458
NS61-1-6ASW	Boulder	22055	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS6-11-6S	Tuscany	21730	Catch Basin	Paved Concrete	36	3.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS61-1-6SE	Boulder	22102	Catch Basin	Paved Concrete	18	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Lift Holes, Vactor Clean, Point Pipes	2016	0145-0458
NS61-1-6SW	Boulder	22095	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Remove Debris, Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NS6-11-6SW	Tuscany	21719	Catch Basin	Paved Concrete	36	2.9	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS61-1-7	Boulder Ave	22018	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-11-7	Lambrecht Ave	21728	Combined MH	Paved-Asph	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS6-11-7S	Lambrecht	21718	Catch Basin	Paved Concrete	48	5.3	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS6-11-7SW	Lambrecht, CB on west curb	21718	Catch Basin	Paved Concrete	24	5.0	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS61-1-8	Boulder Ave	21840	Combined MH	Paved-Conc	48	22.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS61-1-9	Boulder Ave	21778	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS6-11-9	Toepfer Rd	17363	Combined MH	Paved-Asph	48	11.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

City of Eastpoine  
 Wastewater Asset Management Plan  
 AEW# 0145-0458  
 Critical Analysis - Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS61-1-9NW	Boulder	21803	Catch Basin	Paved Concrete	18	4.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal, Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NS6-11-ASW	Brittany, cb on Toepfer	21707	Catch Basin	Paved Asphalt	22	5.2	Block	0.5	1	0.5	0.6	1	3.6	2	7.2	Internal Chimney Seal	2016	0145-0458
NS61-1E	9 Mile	16226	Catch Basin	Paved Concrete	24	2.4	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Seal Wall Joints	2016	0145-0458
NS61-1S	9mile/Nevada	16226	Catch Basin	Paved Concrete	48	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean	2016	0145-0458
NS61-1SW	Nevada	16130	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS6-11SW	Kelly	21701	Catch Basin	Paved Concrete	45	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS61-1W	9 Mile	16130	Catch Basin	Paved Concrete	42	4.9		0.5	1	0.8	0.4	1	3.7	2	7.4	Internal Chimney Seal	2016	0145-0458
NS61-2	Nevada Ave	22460	Sanitary MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2007	0145-0320
NS61-2-2S	Nevada	22460	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS61-2-2W	Nevada	22463	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS6-12SW	Toepfer	17928	Catch Basin	Paved Asphalt	24	4.6	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-12W	Toepfer	17935	Catch Basin	Driveway Asphalt	18	5.2	Other	0.5	0.5	0.5	0.6	1	3.1	2	6.2		2016	0145-0458
NS61-3	Nevada Ave	22188	Combined MH	Paved-Conc	48	13.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-1-3-0E	9 Mile, alley	18400	Catch Basin	Paved Concrete	50	3.2	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-13-10	Lincoln	16829	Combined MH	Paved Concrete	48	17.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal	2016	0145-0458
NS6-13-10NW	Lincoln	16829	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS6-13-10SW	Lincoln	16828	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-13-11-2SSW	Veronica	16554	Catch Basin	Paved Asphalt	20	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-11-2SW	Veronica	16555	Catch Basin	Paved Concrete	20	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-11-3	Lincoln	16544	Combined MH	Yard Back	48	13.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-11-5	Veronica	16475	Combined MH	Yard Back	48	9.1	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-11-5N	Lincoln, north curb	16474	Catch Basin	Paved Concrete	21	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-11-5NW	Lincoln, south curb	16474	Catch Basin	Paved Concrete	48	5.2	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS6-13-11A	Veronica	16861	Combined MH	Yard Back	48	10.2	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS6-13-12	Veronica	16831	Combined MH	Paved Concrete	48	16.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-12E	Veronica	16850	Catch Basin	Paved Concrete	18	4.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-12NE	Veronica	16851	Catch Basin	Paved Concrete	18	4.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS6-13-13	Victoria	16850	Combined MH	Yard Back	48	18.1	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-13-2AE	Collinson	16701	Catch Basin	Paved Concrete	18	4.0	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-13-13-2AS	Collinson, CB on Shakespeare	16702	Catch Basin	Paved Concrete	18	4.4	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-13-2ASW	Collinson, CB on Shakespeare	16554	Catch Basin	Paved Concrete	18	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-13-2AW	Collinson	16555	Catch Basin	Paved Concrete	24	2.5	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Seal Wall Joints	2016	0145-0458
NS6-13-13-3	Collinson	16545	Combined MH	Yard Back	48	12.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-13-4	Veronica	16464	Combined MH	Yard Back	48	10.1	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-13-4N	Veronica	16465	Catch Basin	Paved Asphalt	20	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Chimney Reconstruct, Point Pipes, Pavement Replacement	2016	0145-0458
NS6-13-13-4NW	Veronica	16464	Catch Basin	Paved Asphalt	18	3.8	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-13A	Veronica	16862	Combined MH	Yard Back	48	9.9	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS6-13-14	Collinson	16835	Combined MH	Paved Concrete	48	16.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-14E	Collinson	16846	Catch Basin	Paved Concrete	18	5.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-14NE	Collinson	16851	Catch Basin	Paved Concrete	18	5.6	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS6-13-15	Collinson	16846	Combined MH	Yard Front	48	17.3	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-15-2AE	Sprenger	16705	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-15-2ANW	Sprenger, CB on Shakespeare	16555	Catch Basin	Paved Concrete	18	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-15-2AS	Sprenger, CB on Shakespeare	16700	Catch Basin	Paved Concrete	18	4.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-15-2ASW	Sprenger, CB on Shakespeare	16554	Catch Basin	Paved Concrete	18	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-15-3	Sprenger	16545	Combined MH	Yard Back	48	11.5	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Chimney Reconstruct	2016	0145-0458
NS6-13-15-4	Sprenger	16465	Combined MH	Yard Back	48	11.0	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS6-13-15A	Sprenger	16855	Combined MH	Yard Back	48	9.3	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS6-13-16	Sprenger	16846	Combined MH	Paved Concrete	48	15.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-16-1NW	Sprenger	16743	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-16-1SW	Sprenger	16726	Catch Basin	Paved Concrete			Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-13-16E	Sprenger	16846	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS6-13-16NE	Sprenger	16825	Catch Basin	Paved Concrete	26	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-17-2AN	Ego, CB on Shakespeare	16707	Catch Basin	Paved Concrete	48		Block	0.5	1	0.8	0.2	0.5	3	2	6	Internal Chimney Seal	2016	0145-0458
NS6-13-17-2ANE	Ego	16775	Catch Basin	Paved Asphalt	24	3.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-17-2AS	Ego, CB on Shakespeare	16704	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS6-13-17-2ASE	Ego	16780	Catch Basin	Paved Asphalt	18	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS6-13-17-2ASW	Ego, CB on Shakespeare	16554	Catch Basin	Paved Concrete	18	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-13-17-2BSW	Ego	16514	Catch Basin	Paved Concrete	18	5.6	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-13-17-2BW	Ego	16515	Catch Basin	Paved Concrete	24	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Seal Wall Joints	2016	0145-0458
NS6-13-17-3	Ego	16545	Combined MH	Yard Back	48	11.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-17-4	Ego	16475	Combined MH	Yard Back	48	9.8	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6		2016	0145-0458
NS6-13-17-4N	Sprenger	16474	Catch Basin	Paved Concrete	20	3.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS6-13-17-4NW	Sprenger	16475	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-18NE	Ego	16861	Catch Basin	Paved Asphalt	18	4.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-18SE	Ego	16860	Catch Basin	Paved Asphalt	18	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-19	Lincoln	16837	Combined MH	Yard Back	60	20.1	Brick	1	0.5	1	1	0.5	4	3	12		2016	0145-0458
NS6-13-19-2	Ego	16704	Combined MH	Paved Concrete	48	9.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-19-2A	Juliana	16704	Manhole	Paved Concrete	48	5.3	Brick	1	1	0.8	0.6	0.5	3.9	3	11.7	Internal Chimney Seal, Chimney Reconstruct, Point Pipes	2016	0145-0458
NS6-13-19-2ANW	Juliana but cb is on Shakespeare	16555	Catch Basin	Paved Concrete	18	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-19-2AW	Juliana	16554	Catch Basin	Paved Asphalt	24	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-13-19-2B	Sprenger	16545	Combined MH	Yard Back	48	10.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-19-3	Sprenger	16535	Combined MH	Yard Back	48	10.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-19-4	Juliana	16515	Combined MH	Yard Back	48	9.7	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-19-5	Stricker	16465	Combined MH	Yard Back	48	10.8	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-1ASW	Lincoln	17758	Catch Basin	Paved Concrete	21	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NS6-13-1AW	Lincoln	17757	Catch Basin	Paved Concrete	18	5.4	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS6-13-1BE	Toepfer	17802	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-13-1BNE	Normandy but cb on Toepfer	21708	Catch Basin	Paved Asphalt	22	4.1	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-13-1BNW	Normandy, cb on Toepfer	21711	Catch Basin	Paved Asphalt	22	4.4	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS6-13-1BW	Toepfer	17760	Catch Basin	Paved Concrete	22	3.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Seal Wall Joints	2016	0145-0458
NS6-13-20	Juliana	16827	Combined MH	Paved Concrete	48	13.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Chimney Reconstruct	2016	0145-0458
NS6-13-20-1	Juliana	16746	Catch Basin	Paved Concrete	18	3.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-20-2	Juliana	16747	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Seal Wall Joints	2016	0145-0458
NS6-13-20E	Juliana	16830	Catch Basin	Paved Concrete	18	5.1	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Wall Joints	2016	0145-0458
NS6-13-20NE	Juliana	16827	Catch Basin	Paved Concrete	24	4.1	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-21-2	Juliana	16704	Combined MH	Paved Concrete	48	8.8	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-13-21-3	Stricker	16535	Combined MH	Yard Back	48	10.1	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-21-4	Stricker	16464	Combined MH	Yard Back	48	8.8	Precast	1	0.5	0.8	0.8	0.5	3.6	2	7.2	Internal Chimney Seal	2016	0145-0458
NS6-13-21-4N	Juliana	16474	Catch Basin	Paved Concrete	18	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-21-4NW	Juliana	16475	Catch Basin	Paved Concrete	18	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS6-13-23	Stricker	16832	Combined MH	Paved Concrete	48	12.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-23E	Stricker	16830	Catch Basin	Paved Concrete	48	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-13-26	Shakespeare	16704	Combined MH	Paved Concrete	48	11.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS6-13-26A	Stricker	16704	Manhole	Paved Concrete	48	4.7	Brick	1	1	0.8	0.4	0.5	3.7	3	11.1	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-26B	Stricker	16707	Manhole	Paved Concrete	48	5.6	Brick	1	1	0.8	0.6	0.5	3.9	3	11.7	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-26BN	Stricken but cb is on Shakespeare	16707	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS6-13-26BNW	Stricker	16555	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-26BNW-1	Stricker	16465	Catch Basin	Paved Concrete	20		Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Seal Wall Joints, Remove Debris	2016	0145-0458
NS6-13-26BSE	Stricker	16704	Catch Basin	Paved Concrete	18	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS6-13-26BSW	Stricker	16554	Catch Basin	Paved Concrete	18	4.8	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-26BSW-1	Stricker	16464	Catch Basin	Paved Concrete	18	4.1	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS6-13-27	8 Mile	16545	Combined MH	Yard Back	48	12.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-28	8 Mile	16485	Combined MH	Yard Back	48	8.3	Precast	1	0.5	0.8	0.8	0.5	3.6	3	10.8	Internal Chimney Seal	2016	0145-0458
NS6-13-2S	Lincoln	17678	Catch Basin	Paved Concrete	42	5.3	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS6-13-3AE	Lincoln	17605	Catch Basin	Paved Concrete	20	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Point Pipes	2016	0145-0458
NS6-13-3AN	Lincoln, CB on Tuscany	17605	Catch Basin	Paved Concrete	46	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-13-3ANNW	Lincoln, CB on Tuscany	17445	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-3ANW	Lincoln	17445	Catch Basin	Paved Concrete	18	3.0	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS6-13-3AS	Lincoln, CB on Tuscany	17606	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS6-13-ASE	Lincoln	17606	Catch Basin	Paved Concrete	18	3.5	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-3ASSE	Lincoln, CB on Tuscany	17446	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-3ASW	Lincoln	17446	Catch Basin	Paved Concrete	18	3.7	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-3BNW	Tuscany, CB on Toepfer	21707	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	6.8		2016	0145-0458
NS6-13-3BW	Toepfer	17536	Catch Basin	Driveway Asphalt	24	5.2	Block	0.5	0.5	0.5	0.6	1	3.4	2	6.2		2016	0145-0458
NS6-13-5AE	Toepfer	17306	Catch Basin	Paved Asphalt	24	4.9	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-13-5ANE	Toepfer, N side of street	17306	Catch Basin	Paved Asphalt	22	4.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-13-5ANW	David, cb on Toepfer	21711	Catch Basin	Paved Asphalt	22	4.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-13-5AW	Toepfer	17238	Catch Basin	Paved Asphalt	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-13-5BN	Veronica, CB on David	17303	Catch Basin	Paved Concrete	18	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS6-13-5BNE	Lincoln	17303	Catch Basin	Paved Concrete	18	4.4	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-5BNW	Lincoln, CB on David	17137	Catch Basin	Paved Concrete	18	6.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS6-13-5BSE	Lincoln	17304	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-5BSW	Veronica	17138	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NS6-13-5BW	Veronica	17137	Catch Basin	Paved Concrete	18	4.6	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-6-1-1N	Lincoln	17071	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-6-1ANE	Veronica	17027	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Chimney Reconstruct	2016	0145-0458
NS6-13-6-1ASE	Veronica	17034	Catch Basin	Paved Concrete	18	5.1		0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-13-6-1NW	Veronica but cb on Cushing	17006	Catch Basin	Paved Concrete	42	2.4		0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS6-13-6-1W	Lincoln but cb on cushing	16860	Catch Basin	Paved Concrete	36	3.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-6-2-1	Veronica	17074	Combined MH	Yard Back	48	12.8	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-6-2ANE	Collinson	17031	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-6-2ASE	Collinson	17030	Catch Basin	Paved Concrete	24	4.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-6-2SW	Collinson but cb on Cushing	17005	Catch Basin	Paved Concrete	32	1.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-13-6-2W	Collinson but cb is on cushing	16862	Catch Basin	Paved Concrete	42	2.7		0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS6-13-6-3ANW	Sprenger	17015	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-6-3AW	Sprenger	17016	Catch Basin	Paved Concrete	24	3.4	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-6-3BE	Sprenger	17006	Catch Basin	Paved Concrete	48	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-13-6-3BNE	Sprenger	17005	Catch Basin	Paved Concrete	18	4.4	Brick	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS6-13-6-3NW	Collinson but cb is on Cushing	17006	Catch Basin	Paved Concrete	36	2.7	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-13-6-3W	Collinson by cb on Cushing	16856	Catch Basin	Paved Concrete	36	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-13-6-4-1AW	Ego but cb on Cushing	17005	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NS6-13-6-4ANW	Ego	17015	Catch Basin	Paved Concrete	24	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-13-6-4ASW	Ego	17016	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS6-13-6-5-1	Ego Ave	17086	Combined MH	Yard Back	48	12.7	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Install Bench, Install Channel	2016	0145-0458

City of Eastpoine  
Wastewater Asset Management Plan  
AEW# 0145-0458  
Critical Analysis - Structures

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-13-6-5AE	Juliana	17030	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-6-5ANE	Juliana	17031	Catch Basin	Paved Concrete	22	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Point Pipes	2016	0145-0458
NS6-13-6-6BNW	Stricken but cb is on Cushing	16861	Catch Basin	Paved Concrete	21	3.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-6-6BNW	Stricker	17005	Catch Basin	Paved Concrete	18	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-6-6BW	Stricken but cb on Cushing	17005	Catch Basin	Paved Concrete	48	4.4	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-13-6-6BW	Stricker	17006	Catch Basin	Paved Concrete	18	5.0	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-8AE	Toepfer	17016	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NS6-13-8ANE	Cushing, cb on Toepfer	21704	Catch Basin	Paved Asphalt	22	5.1	Block	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NS6-13-8ANW	Cushing, cb on Toepfer	21703	Catch Basin	Paved Asphalt	22	3.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-13-8AW	Toepfer	16894	Catch Basin	Paved Asphalt		4.4	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Replace Frame, Seal Wall Joints	2016	0145-0458
NS6-13-8SE	Toepfer, CB on Cushing	17001	Catch Basin	Paved Concrete	24	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-13-8SW	Toepfer, CB on Cushing	16953	Catch Basin	Paved Concrete	48	2.0	Block	0.5	1	0.8	0.2	0.5	3	2	6		2016	0145-0458
NS6-13-9-2-1NNW	Toepfer	16543	Catch Basin	Paved Asphalt	22	4.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS6-13-9-2-1NW	Toepfer	16554	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	1	3.6	4	14.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS6-13-9-2-1S	Toepfer, cb on Shakespeare	16704	Catch Basin	Paved Concrete	18	4.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-9-2-1SW	Toepfer, cb on Shakespeare	16554	Catch Basin	Paved Concrete	18	4.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-9-2AE	Lincoln	16701	Catch Basin	Paved Concrete	24	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-13-9-2ASE	Lincoln	16702	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-13-9-2ASW	Lincoln, CB on Shakespeare	16554	Catch Basin	Paved Concrete	20	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-9-2AW	Lincoln, CB on Shakespeare	16555	Catch Basin	Paved Concrete	20	3.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-13-9-3	Lincoln	16525	Combined MH	Yard Back	48	10.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13AS	Kelly	21501	Catch Basin	Paved Concrete	45	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-13ASW	Lincoln	17865	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS61-3N	Nevada	22404	Catch Basin	Paved Concrete	48	2.5	Precast	0.5	1	0.8	0.2	0.5	3	2	6	Vactor Clean	2016	0145-0458
NS6-13NE	21537	Kelly	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS61-3NNW	Nevada	22401	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS61-3NW	Nevada	202404001	Catch Basin	Paved Concrete	18	0.0	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS61-3S	Nevada	22188	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Vactor Clean, Remove Debris, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS61-3SSW	Lincoln	17677	Catch Basin	Paved Concrete	18	6.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS61-3SW	Nevada	22191	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS61-3W	Nevada	22191	Catch Basin	Paved Concrete	18	5.4	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Wall Joints, Internal Chimney Seal, Remove Debris	2016	0145-0458
NS6-1-3W	9 mile, alley	18314	Catch Basin	Paved Concrete	30	3.8		0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NS61-4	Nevada Ave	22106	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-14-1ANE	Veronica	17803	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-14-1ASW	Veronica	17756	Catch Basin	Paved Concrete	21	2.7	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Remove Debris	2016	0145-0458
NS6-14-1AW	Veronica	177755	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS6-14-3AN	Veronica, CB on Tuscany	17605	Catch Basin	Paved Concrete	45	5.2	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS6-14-3ANW	Veronica, CB on Tuscany	17445	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-14-3ASW	Veronica	17448	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-14-3AW	Veronica	17445	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-14-5AE	Veronica	17303	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS6-14-5AN	Veronica, CB on David	17303	Catch Basin	Paved Concrete	18	6.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-14-5ANW	Veronica, CB on David	17137	Catch Basin	Paved Concrete	22	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-14-5ASE	Veronica	17304	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-14-5ASW	Veronica	17140	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-14-5AW	Veronica	17137	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-1-4AN	Holland, CB on Rosalind	18203	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-1-4ANW	Holland, CB on west curb of Rosalind	18203	Catch Basin	Paved Concrete	18	6.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-1-4ASW	Holland	18130	Catch Basin	Paved Concrete	20	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-1-4AW	Holland, CB on north curb	18130	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS61-4N	Nevada	22124	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS61-4NW	Nevada	22121	Catch Basin	Paved Concrete		4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS61-5	Nevada Ave	21848	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-15-2AE	Collinson	17605	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-15-2AN	Collinson, CB on Tuscany	17449	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-15-2ANE	Collinson, CB on Tuscany	17605	Catch Basin	Paved Concrete	42	5.6	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS6-15-2ASE	Collinson	17600	Catch Basin	Paved Concrete	18	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-15-2ASW	Collinson	17450	Catch Basin	Paved Concrete	18	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-15-2AW	Collinson	17449	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-15-4	Collinson	17303	Combined MH	Paved Concrete	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-15-4A	Collinson at David	17307	Manhole	Paved Concrete	72	5.6	Brick	1	1	1	0.6	0.5	4.1	3	12.3	Chimney Reconstruct, Internal Chimney Seal	2016	0145-0458
NS6-15-4AE	Collinson	17307	Catch Basin	Paved Concrete	24	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-15-4ANNE	Collinson but David	17307	Catch Basin	Paved Concrete	18	6.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-15-4ANNW	Collinson	17141	Catch Basin	Paved Concrete	18	6.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-15-4ANW	Collinson	17141	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-15-4ASE	Collinson	17304	Catch Basin	Paved Concrete	18	4.6	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-15-4ASW	Collinson	17140	Catch Basin	Paved Concrete	18	5.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-15ANE	Collinson	17741	Catch Basin	Paved Concrete	18	5.7	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-15ASE	Collinson	17730	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-15AW	9 Mile, in ally	18022	Catch Basin	Paved Concrete	48	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS61-5E	Nevada	21848	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Reset F&C w/Ext. Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
NS61-5N	Nevada	22004	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Remove Debris, Vactor Clean	2016	0145-0458
NS61-5NE	Nevada	22004	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NS61-5NNW	Nevada	22007	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS61-5NW	Nevada	22007	Catch Basin	Paved Concrete	18	5.4	Precast	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole, Vactor Clean, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS61-5S	Nevada	21842	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Chimney Reconstruct, Vactor Clean, Pavement Replacement	2016	0145-0458
NS61-5SW	Nevada	21843	Catch Basin	Paved Concrete	24	0.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NS61-5W	Nevada	21849	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Vactor Clean, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS61-6	Nevada Ave	21778	Combined MH	Paved-Conc	48	9.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-16-2ANW	Sprenger	17449	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-16-2ASW	Sprenger	17444	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-16-4	Sprenger	17307	Combined MH	Paved Concrete	48	9.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal	2016	0145-0458
NS6-16-4A	David at Sprenger	17307	Manhole	Paved Concrete	48	5.6	Brick	1	1	0.8	0.6	0.5	3.9	3	11.7	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS6-16-4E	Sprenger	17307	Catch Basin	Paved Concrete	18	5.1	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-16-4ANNE	Springer but cb on David	17307	Catch Basin	Paved Concrete	18	7.6	Other	0.5	1	0.5	0.8	0.5	3.3	2	6.6		2016	0145-0458
NS6-16-4ANW	Sprenger but David	17147	Catch Basin	Paved Concrete	24	7.6	Block	0.5	1	0.5	0.8	0.5	3.3	2	6.6		2016	0145-0458
NS6-16-4ASE	Sprenger	17304	Catch Basin	Paved Concrete	18	4.9	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Chimney Reconstruct, Pavement Replacement, Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-16-4AW	Sprenger	17147	Catch Basin	Paved Concrete	22	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-16AN	Sprenger	17672	Catch Basin	Paved Concrete	18	5.2	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-16ANE	Sprenger	17693	Catch Basin	Paved Concrete	18	6.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-16ASW	Kelly rd	21059	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS61-7	Nevada Ave	21714	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS6-17-1ASE	Ego	17610	Catch Basin	Paved Concrete	21	2.3	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Point Pipes, Seal Wall Joints	2016	0145-0458
NS6-17-1ASW	Ego	17448	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-17-1AW	Ego	17449	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-17-3	Ego on David	17303	Combined MH	Paved Concrete	48	8.5	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Chimney Reconstruct	2016	0145-0458
NS6-17-3AN	Ego but cb on David	17303	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS6-17-3ANE	Ego	17303	Catch Basin	Paved Concrete	18	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-17-3ANNW	Ego but cb on David	17145	Catch Basin	Paved Concrete	20	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Pavement Replacement, Chimney Reconstruct, Seal Wall Joints	2016	0145-0458
NS6-17-3ASE	Ego	17300	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-17-3ASW	Ego	17156	Catch Basin	Paved Concrete	24	2.1	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-17-3AW	Ego	17145	Catch Basin	Paved Concrete	22	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-17-ANW	Ego	17641	Catch Basin	Paved Concrete	1	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-17ASW	Ego	17620	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS61-7S	Nevada	21714	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS6-17SE	Kelly rd	21021	Combined MH	Paved Asphalt	24	1.6	Precast	1	1	0.5	0.2	0.5	3.2	2	6.4		2016	0145-0458
NS61-7SW	Nevada	21715	Catch Basin	Paved Concrete	30	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS61-8	Nevada Ave	21706	Combined MH	Paved-Conc	48	6.4	Precast	1	1	0.8	0.6	1	4.4	3	13.2		2016	0145-0458
NS6-18-2	Juliana on David	17305	Combined MH	Paved Concrete	48	8.9	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Internal Chimney Seal, Point Pipes, Pavement Replacement	2016	0145-0458
NS6-18-2A	Juliana on David	17305	Manhole	Yard Front	36	6.4	Precast	1	0.5	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-18-2AS	Juliana but cb on David	17305	Catch Basin	Paved Concrete	48	4.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-18-2ASW	Juliana but cb on David	17153	Catch Basin	Paved Concrete	24	4.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NS6-18-2B	Juliana on David	17305	Manhole	Paved Concrete	48	5.1	Precast	1	1	0.8	0.6	0.5	3.9	2	7.8		2016	0145-0458
NS6-18-2BENE	Juliana	17329	Catch Basin	Paved Concrete	48	3.8	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-18-2BESE	Juliana	17328	Catch Basin	Paved Concrete	24	3.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-18-2BNW	Juliana	17153	Catch Basin	Paved Concrete	48	4.2	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-18-2BSW	Juliana	17142	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-18NE	Kelly	20945	Catch Basin	Paved Concrete	48	3.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-18S	Kelly rd	20927	Catch Basin	Paved Concrete	48	3.3	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS61-8SE	Nevada, cb on Toepfer	21706	Catch Basin	Paved Asphalt	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS6-18SSW	Juliana	17434	Catch Basin	Paved Concrete	21	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-18SW	Nevada, cb on Toepfer	21707	Catch Basin	Paved Asphalt	24	4.4	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS6-18SW	Juliana	17441	Catch Basin	Paved Concrete	21	2.2	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Remove Debris	2016	0145-0458
NS6-18WSW	Juliana	17441	Catch Basin	Paved Concrete	48	3.1	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-19NE	Kelly	20837	Catch Basin	Paved Concrete	42	3.8		0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-20N	Kelly rd	20715	Catch Basin	Paved Concrete	42	3.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-20NE	Kelly rd	20715	Catch Basin	Paved Concrete	18	1.5	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-2-1AE	Empire	18501	Catch Basin	Paved Concrete	18	3.3	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-2-1AN	Empire, cb on Almond	18501	Catch Basin	Paved Concrete	42	6.4	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS6-2-1ANW	Empire, cb on Almond	18321	Catch Basin	Paved Concrete	22	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Point Pipes, Seal Wall Joints	2016	0145-0458
NS6-2-1ASE	Empire	18502	Catch Basin	Paved Concrete	18	3.1	Precast	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS6-2-1ASW	Empire	18320	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS6-2-1AW	8 mile	17317	Catch Basin	Paved Concrete	42	4.9		0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-2-1AW	Empire	18321	Catch Basin	Paved Concrete	18	4.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-22AE	8 mile	17141	Catch Basin	Paved Concrete	48	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-2-3AE	Empire	18203	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-2-3AN	Empire, CB on Rosalind	18203	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-2-3ANNW	Empire, CB on Rosalind	18135	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-2-3ASE	Empire	18200	Catch Basin	Paved Concrete	18	4.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS6-2-3ASW	Empire	18130	Catch Basin	Paved Concrete	24	1.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS6-2-3AW	Empire	18135	Catch Basin	Paved Concrete	18	5.8	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-24SE	8 mile	17001	Catch Basin	Paved Concrete	42	3.7		0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS6-24SW	8 mile	17001	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS6-24WSW	8 mile	16865	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS63-1-2-3N	Gratiot (on 9 Mile)	22700	Catch Basin	Paved Asphalt	24	2.4	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS63-1-2S	9 Mile	16100	Catch Basin	Paved Concrete	24	2.0	Block	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NS63-1-2SW	Gratiot (on 9 Mile)	22600	Catch Basin	Paved Concrete	48	6.6	Precast	0.5	1	0.8	0.6	1	3.9	2	7.8		2016	0145-0458
NS63-1E	9 Mile	16102	Catch Basin	Paved Concrete	21	5.1	Block	0.5	1	0.5	0.6	1	3.6	2	7.2	Seal Wall Joints, Point Pipes, Chimney Reconstruct, Remove Debris	2016	0145-0458
NS63-1W	9 Mile	16100	Catch Basin	Paved Asphalt	24	1.7	Brick	0.5	1	0.5	0.2	1	3.2	2	6.4	Point Pipes, Seal Wall Joints	2016	0145-0458
NS63-2	Virginia Ave	22474	Combined MH	Paved-Conc	48	16.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-2-1	Etheyn Ct	16100	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-2-1SW	Ethelyn	15875	Catch Basin	Paved Concrete	24	3.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS63-2-2	Gratiot Ave	22556	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS63-2-2NE	Ethelyn	22556	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS63-2-AN	Oak. CB on Rosalind	18203	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3		2016	0145-0458
NS63-2-AANE	Oak	18203	Catch Basin	Paved Concrete	24	2.8	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS63-2-ANW	Oak, CB on Rosalind	18131	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS63-2-ASE	Oak	18200	Catch Basin	Paved Concrete	26	3.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS63-2-B2S	Oak	18131	Catch Basin	Paved Concrete	36	4.0	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS63-2-B2SE	Oak	18130	Catch Basin	Paved Concrete	34	4.5	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS63-2N	Virginia, west side of street	22614	Catch Basin	Paved Concrete	26	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Seal Wall Joints, Remove Debris	2016	0145-0458
NS63-2NNW	Virginia	22606	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-2NW	Virginia, west side of street	22606	Catch Basin	Paved Concrete	22	5.7	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS63-2SW	Virginia	22461	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement, Replace Frame	2016	0145-0458
NS63-3	Virginia Ave	22404	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-3-1	Oak Ave	15910	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-3-1NNW	Oak	15875	Catch Basin	Driveway Asphalt	48	4.7	Precast	0.5	0.5	0.8	0.4	0.5	2.7	2	5.4	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NS63-3-1NW	Oak	15910	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS63-3-1SW	Oak	15910	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-3-2	Oak Ave	15888	Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-3-2AN	Oak	22500	Catch Basin	Paved Asphalt	48	6.1	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS63-3-2ANW	Oak	22500	Catch Basin	Paved Asphalt	48	6.1	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS63-3-2N	Oak	15875	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement, Remove Debris	2016	0145-0458
NS63-3-3	Gratiot Ave	22500	Combined MH	Paved-Conc	48	12.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS63-3-4	Gratiot Ave	22500	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-3E	Virginia, cb on Oak	22246	Catch Basin	Paved Concrete	18	4.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NS63-3N	Virginia	22404	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-3NW	Virginia	22401	Catch Basin	Paved Concrete	28	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS63-3S	Virginia	22246	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-3SW	Virginia, cb on Oak	22247	Catch Basin	Paved Concrete	18	6.0	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-3W	Virginia, cb on Oak	22401	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS63-4	Virginia Ave	22166	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-4-1	Mok Ave	15750	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-4-1N	Mok		Catch Basin	Paved Concrete			Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole, Reset F&C w/Ext. Seal, Internal Chimney Seal, Remove Debris, Pavement Replacement	2016	0145-0458
NS63-4-1W	Mok	15740	Catch Basin	Paved Concrete	24	2.3	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS63-4-2A	Mok Ave	15678	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-4-3	Gratiot Ave	22340	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-4-3N	Gratiot	22400	Catch Basin	Paved Concrete	24	5.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Vactor Clean	2016	0145-0458
NS63-4-3W	Mok	15628	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NS63-4-4	Gratiot Ave	22422	Combined MH	Paved-Conc	48	9.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-4S	Virginia	22156	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Remove Debris, Vactor Clean	2016	0145-0458
NS63-4SW	Virginia	22157	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS63-5	Virginia Ave	22068	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-5-1	Couzens Ave	15772	Combined MH	Paved-Conc	48	10.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-5-1NW	Couzens	15765	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS63-5-1W	Couzens	15772	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS63-5-2	Couzens Ave	15696	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-5-3	Gratiot Ave	22322	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-5-3A	Gratiot Ave	22322	Combined MH	Paved-Asph	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS63-5-3SE	Couzens	15634	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NS63-5-4	Gratiot Ave	22322	Combined MH	Paved-Conc	48	9.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-5-4NW	Gratiot, cb on Couzens	22322	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS63-5NNW	Virginia	22107	Catch Basin	Paved Concrete	18	3.2	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Cover	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type							
NS63-5NW	Virginia, CB on Couzens	22107	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458	
NS63-5S	Virginia	22058	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458	
NS63-5SW	Virginia	22057	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458	
NS63-5W	Virginia, CB on Couzins	22057	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458	
NS63-6	Virginia Ave	21846	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458	
NS63-6-1	Ash Ave	21934	Combined MH	Paved-Conc	48	9.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458	
NS63-6-1N	Ash	16009	Catch Basin	Paved Concrete	18	6.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458	
NS63-6-1NW	Ash	16009	Catch Basin	Paved Concrete	18	7.2	Other	0.5	1	0.5	0.8	0.5	3.3	2	6.6	Internal Chimney Seal	2016	0145-0458	
NS63-6-1WNW	Ash	15772	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458	
NS63-6-2	Ash Ave	15704	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458	
NS63-6-2NE	Ash	15711	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458	
NS63-6-2S	Ash	15704	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458	
NS63-6-3	Gratiot Ave	22150	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458	
NS63-6-4	Gratiot Ave	22150	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458	
NS63-6-4W	Gratiot, cb on Ash	22150	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458	
NS63-6E	Virginia	21846	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Remove Debris	2016	0145-0458	
NS63-6N	Virginia	22008	Catch Basin	Paved Concrete				Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Remove Debris, Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS63-6NE	Virginia	22008	Catch Basin	Paved Concrete					0.5	1	0.5	0.2	0.5	2.7	4	10.8	Remove Debris, Vactor Clean	2016	0145-0458
NS63-6NW			Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458	
NS63-7	Virginia Ave	21776	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458	
NS63-8	Virginia Ave	21716	Combined MH	Paved-Conc	48	7.0	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458	
NS63-8ANNE	Virginia	22028	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458	
NS63-8S	Virginia	21706	Catch Basin	Paved Concrete	42	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean	2016	0145-0458	
NS63-8SE	Virginia, cb on Toepfer	21706	Catch Basin	Paved Asphalt	24	4.7	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458	
NS63-8SSW	Virginia, cb on Toepfer	21705	Catch Basin	Paved Asphalt	24	4.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Vactor Clean	2016	0145-0458	
NS63-8SW	Virginia	21705	Catch Basin	Paved Concrete	32	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458	
NS63-N	Virginia	22027	Catch Basin	Paved Concrete	27	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Vactor Clean	2016	0145-0458	
NS64-1-1SE	9 Mile	15700	Catch Basin	Paved Asphalt	24	6.1	Block	0.5	1	0.5	0.6	1	3.6	2	7.2	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458	
NS64-1-SE	Gratiot (on 9 Mile)	22301	Catch Basin	Paved Asphalt	24	2.2	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458	

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS64-1W	Gratiot (on 9 Mile)	22301	Catch Basin	Paved Concrete	24	2.4	Block	0.5	1	0.5	0.2	1	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement, Point Pipes, Seal Wall Joints	2016	0145-0458
NS65-1SW	9 Mile	15500	Catch Basin	Paved Concrete	21	4.1	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS6-5-2AN	Curtain, CB on Rosalind	18203	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-5-2ANE	Curtain	18203	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS6-5-2ANW	Curtain, CB on Rosalind	18127	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-5-2ASE	Curtain	18202	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS6-5-2ASW	Curtain	18130	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-5-2AW	Curtain	18127	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS6-6-1ANNE	Rosetta	18200	Catch Basin	Paved Concrete	24	3.2	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-6-1ANNW	Rosetta	18205	Catch Basin	Paved Concrete	48	3.5	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-6-1ASW	Rosetta	18126	Catch Basin	Paved Concrete	24	3.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-6-1AW	Rosetta	18125	Catch Basin	Paved Concrete	48	4.0	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-6-7-1	Collinson	16154	Combined MH	Yard Back	48	10.2	Precast	1	0.5	0.8	1	0.5	3.8	2	7.6	Internal Chimney Seal	2016	0145-0458
NS6-6-7-2	Veronica	16084	Combined MH	Yard Back	48	9.1	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS6-6NNW	Curtain	18283	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Replace Manhole, Pavement Replacement	2016	0145-0458
NS6-6NW	Curtain (across the street from address)	18283	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS67-10AE	Maplewood	15114	Catch Basin	Paved Concrete	36	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS67-10ANE	Maplewood	15117	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS67-10ONE	Maplewood, cb on Linwood	15205	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS67-10NW	Linwood	21925	Catch Basin	Paved Concrete	36	2.4	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Seal Wall Joints	2016	0145-0458
NS67-12W	Maplewood	15257	Catch Basin	Paved Concrete	36	5.7	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Wall Joints	2016	0145-0458
NS67-13NE	Maplewood	15295	Catch Basin	Paved Concrete	36	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS67-13NW	Maplewood	15295	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-7-1AN	Lister, cb on Rosalind	18207	Catch Basin	Paved Concrete	18	5.9	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS6-7-1ANW	Lister, cb on Rosalind	18143	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS6-7-1ASW	Lister	18150	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NS6-7-1AW	Lister	18143	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Cover	2016	0145-0458
NS67-1S	9 Mile (on Linwood)	15704	Catch Basin	Paved Asphalt	24	3.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Remove Debris, Seal Wall Joints, Point Pipes	2016	0145-0458
NS67-1SW	9 Mile (on Linwood)	15142	Catch Basin	Paved Concrete	36	4.1	Brick	0.5	1	0.5	0.4	1	3.4	2	6.8	Vactor Clean, Remove Debris	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS67-1W	9 Mile	15142	Catch Basin	Paved Asphalt	24	3.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS67-3-1NNW	Couzens	15283	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS67-3-1NW	Couzens	15270	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS67-3-2N	Couzens, south side of street	15452	Catch Basin	Paved Concrete	24	3.4	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS67-3-2W	Couzens	15452	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS67-3-3N	Couzens, south side of street	15510	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NS67-3-3W	Couzens	15510	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS67-3E	Couzens	15215	Catch Basin	Paved Concrete	17	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Seal Wall Joints	2016	0145-0458
NS67-3S	Linwood, side of street	22343	Catch Basin	Paved Concrete	18	5.9	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS67-3SE	Couzens, south side of street	15215	Catch Basin	Paved Concrete	20	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS67-3SW	Linwood	22343	Catch Basin	Paved Concrete	18	5.3	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Seal Wall Joints	2016	0145-0458
NS67-4-1W	Nehls	15250	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS67-4-2N	Nehls	15407	Catch Basin	Paved Concrete	18	4.9	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS67-4-2W	Nehls	15302	Catch Basin	Paved Concrete	18	5.2	Combination	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS67-4-3NE	Nehls	15497	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS67-4-3SE	Nehls	15500	Catch Basin	Paved Concrete	24	3.9	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS67-6N	Linwood	22064	Catch Basin	Paved Concrete	24	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS67-6SW	Linwood	22045	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS67-7NW	Crescentwood, cb on Linwood	15145	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS67-7SW	Crescentwood	15145	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS67-8-1AW	Mihelich	22041	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS67-8-1BE	Mihelich	22095	Catch Basin	Paved Concrete	42	3.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal, Point Pipes, Seal Wall Joints	2016	0145-0458
NS67-8-1BSW	Mihelich	22055	Catch Basin	Paved Concrete	40	2.9	Block	0.5	1	0.8	0.2	0.5	3	2	6	Internal Chimney Seal	2016	0145-0458
NS67-8-1NNW	Crescentwood, cb on Mihelich	15249	Catch Basin	Paved Concrete	36	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS67-8-1NW	Crescentwood	15249	Catch Basin	Paved Concrete	24	2.1	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS67-8-1W	Crescentwood	15256	Catch Basin	Paved Concrete	48	5.3	Precast	0.5	1	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
NS67-8-3NW	Crescentwood	22001	Catch Basin	Paved Concrete	18	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS67-8-3W	Crescentwood	21901	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
NS67-8NW	Crescentwood	15145	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS67-8W	Crescentwood	15138	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS67-9N	Linwood	21934	Catch Basin	Paved Concrete	36	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS67-SW	Linwood	22085	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS68-1-1S	9 Mile	15000	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NS68-8-1NE	Lister	18090	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS68-8-1NNE	Lister	18093	Catch Basin	Paved Concrete	18	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS68-1S	9 Mile (on Elmwood)	15118	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Vactor Clean	2016	0145-0458
NS68-1SE	9 Mile	15110	Catch Basin	Paved Concrete	24	2.3	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Chimney Reconstruct, Pavement Replacement, Point Pipes	2016	0145-0458
NS68-1SW	9-mile, cb on Elmwood	15040	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS68-2SW	Elmwood	22375	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS68-3E	Elmwood, CB on Nehls	22304	Catch Basin	Paved Concrete	18	4.6	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS68-3N	Elmwood	22304	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct	2016	0145-0458
NS68-3NW	Elmwood	22305	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS68-3SE	Elmwood, CB on Nehls	22174	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS68-3SW	Elmwood, CB on Nehls	22175	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NS68-3W	Elmwood, CB on Nehls	22305	Catch Basin	Paved Concrete	18	4.8	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS68-4S	Elmwood	22144	Catch Basin	Paved Concrete	18	4.4	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints, Replace Cover	2016	0145-0458
NS68-4SW	Elmwood	22145	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS68-5SW	Elmwood	22085	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS68-6N	Crescentwood, CB on Elmwood	15107	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS68-6NW	Crescentwood, CB on Elmwood	15039	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS68-7W	Crescentwood	15034	Catch Basin	Paved Concrete	18	2.3	Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS68-8NW	Elmwood	21841	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458
NS68-9S	Elmwood	21792	Catch Basin	Paved Concrete	24	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Grout	2016	0145-0458
NS68-9SW	Elmwood	21781	Catch Basin	Paved Concrete	24	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS6-8NE	Kelly (located in alley behind business)	22033	Catch Basin	Paved Concrete	44	3.5	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS6-9-1BN	Ash	18033	Catch Basin	Paved Concrete	24	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS6-9-1BS	Ash	18032	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS69-1W	9 Mile	14940	Catch Basin	Paved Concrete	24	2.1	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints, Point Pipes	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS69-2S	Hayes	22384	Catch Basin	Paved Concrete	18	5.4	Combination	0.5	1	0.5	0.6	1	3.6	2	7.2	Internal Chimney Seal	2016	0145-0458
NS69-2SW	Hayes	22385	Catch Basin	Paved Concrete	18	5.9	Combination	0.5	1	0.5	0.6	1	3.6	2	7.2	Seal Wall Joints, Vactor Clean	2016	0145-0458
NS69-3N	Hayes	22310	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	1	3.4	2	6.8	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS69-3NE	Hayes, cb on Nehls	22310	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	1	3.6	2	7.2	Internal Chimney Seal	2016	0145-0458
NS69-3NW	Hayes	22305	Catch Basin	Paved Concrete	18	5.3	Combination	0.5	1	0.5	0.6	1	3.6	2	7.2		2016	0145-0458
NS69-3SE	Hayes, cb on Nehls	22172	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	1	3.4	2	6.8	Vactor Clean	2016	0145-0458
NS69-4S	Hayes	22126	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	1	3.2	3	9.6	Vactor Clean	2016	0145-0458
NS69-4SW	Hayes	22145	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	1	3.6	2	7.2	Vactor Clean	2016	0145-0458
NS69-5S	Hayes	22094	Catch Basin	Paved Concrete	48	3.5	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4	Seal Wall Joints	2016	0145-0458
NS69-5SW	Hayes	22085	Catch Basin	Paved Concrete	18	4.8	Combination	0.5	1	0.5	0.4	1	3.4	2	6.8	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NS69-6-1S	Hayes	21916	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	1	3.2	2	6.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS69-6-1SW	Hayes	21907	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	1	3.6	2	7.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS69-6NE	Crescentwood, cb on Hayes	15005	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	1	3.4	4	13.6	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS69-6NNW	Crescentwood, cb on Hayes	14941	Catch Basin	Paved Concrete	22	3.9	Block	0.5	1	0.5	0.4	1	3.4	4	13.6	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS69-6NW	Crescentwood	14941	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	1	3.6	3	10.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS69-6SE	Hayes - cb on Hayes	15006	Catch Basin	Paved Concrete	48	3.8	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NS69-6SW	Hayes	21957	Catch Basin	Paved Concrete	22	3.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS69-6W	Crescentwood	14940	Catch Basin	Paved Concrete	44	2.3	Precast	0.5	1	0.8	0.2	1	3.5	2	7		2016	0145-0458
NS69-7-1N	Birchwood	21958	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
NS69-7-1NW	Birchwood	21957	Catch Basin	Paved Concrete	20	4.8	Combination	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS69-8NW	Birchwood	22077	Catch Basin	Paved Concrete	36	2.0	Precast	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS69-8S	Birchwood	22056	Catch Basin	Paved Concrete	42	5.2	Block	0.5	1	0.8	0.6	0.5	3.4	2	6.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS69-9N	Birchwood	22146	Catch Basin	Paved Concrete	30	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NS69-9NN	Nehls	14825	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS69-9NNE	Birchwood	22146	Catch Basin		36	4.6	Block	0.5	0.5	0.5	0.4	0.5	2.4	2	4.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS69-9NNW	Birchwood	14825	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean	2016	0145-0458
NS6-9N	Ash	18103	Catch Basin	Paved Concrete	18	4.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
NS6-9NW	Ash	18102	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS71-11N	Oakwood	21828	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS71-11NW	Oakwood	22819	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Vactor Clean	2016	0145-0458
NS71-12	Toepfer Rd	14740	Combined MH	Paved-Conc	48	8.7	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NS71-12-1	Toepfer Rd	14700	Combined MH	Paved-Conc	48	8.4	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NS71-12-1NW	Toepfer	14650	Catch Basin	Paved Concrete	48	4.3	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NS71-12-1W	Toepfer	14650	Catch Basin	Paved Concrete	24	3.5	Other	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS71-12-2	Toepfer Rd		Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NS71-12A	Toepfer Rd	14840	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NS71-12E	Toepfer	14800	Catch Basin	Paved Concrete	48	3.5	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NS71-12N	Toepfer but cb is on oakwood	14740	Catch Basin	Paved Concrete	18		Combination	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole, Remove Debris	2016	0145-0458
NS71-12NE	Toepfer	14800	Catch Basin	Paved Concrete	24	2.9	Brick	0.5	1	0.5	0.2	1	3.2	2	6.4		2016	0145-0458
NS71-12NNE	Topper but cb is on oakwood	14800	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS71-12NW	Toepfer	14740	Catch Basin	Paved Concrete	48	4.1	Precast	0.5	1	0.8	0.4	1	3.7	2	7.4		2016	0145-0458
NS7-1-4AW	9 Mile, CB in ally	18140	Catch Basin	Paved Concrete	48	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS71-6SW	Oakwood	22151	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Remove Debris	2016	0145-0458
NS71-6W	Nehls	14825	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NS71-7NE	Oakwood	22134	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS71-7W	Oakwood	22143	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS71-8S	Oakwood	22604	Catch Basin	Paved Concrete	20	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS71-8SW	Oakwood	22061	Catch Basin	Paved Concrete	18	2.4	Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS71-9E	Crescentwood	14812	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS71-9N	Oakwood	22006	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
NS71-9S	Oakwood	21979	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Replace Manhole	2016	0145-0458
NS71-9SE	Crescentwood	14802	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS71-9W	Oakwood	21979	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS74-1SE	9-mile, CB on Firwood	14700	Catch Basin	Paved Concrete	24	2.8	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Vactor Clean	2016	0145-0458
NS74-1SW	9-mile, CB on Firwood	14630	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS74-1W	9 Mile	14630	Catch Basin	Paved Concrete	24	2.1	Block	0.5	1	0.5	0.2	1	3.2	2	6.4	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS74-2S	Firwood	22376	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal	2016	0145-0458
NS74-2SW	Firwood	22385	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458

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NS74-3NE	Firwood	22304	Catch Basin	Paved Concrete	24		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
NS74-3NW	Firwood	22309	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS74-3SSW	Firwood	22145	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS74-3SW	Firwood	22145	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal, Remove Debris	2016	0145-0458
NS74-3W	Firwood	22309	Catch Basin	Paved Concrete	18	6.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS74-4S	Firwood	22078	Catch Basin	Paved Concrete	21	5.1	Block	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS74-4SW	Firwood	22079	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean	2016	0145-0458
NS74-5E	Firwood	22010	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Pavement Replacement, Vactor Clean	2016	0145-0458
NS74-5NE	Firwood	22010	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS74-5NW	Firwood	22003	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
NS74-5SE	Cresentwood	14718	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Remove Debris	2016	0145-0458
NS74-5SW	Firwood	21975	Catch Basin	Paved Concrete	24	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS74-5WW	Firwood	21975	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS74-5W	Firwood	22003	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS74-6S	Firwood	21838	Catch Basin	Paved Concrete	32	3.6	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS74-6SW	Firwood	21839	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean	2016	0145-0458
NS74-7S	Firwood	21728	Catch Basin	Paved Concrete	48	4.6	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
NS74-7SW	Firwood	21729	Catch Basin	Paved Concrete	24	3.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
NS76-1SE	9 Mile	14614	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	1	3.4	2	6.8		2016	0145-0458
NS76-1SW	9 Mile	14550	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	1	3.4	2	6.8	Internal Chimney Seal	2016	0145-0458
NS76-2NE	Beechwood	22384	Catch Basin	Paved Concrete			Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Seal Wall Joints	2016	0145-0458
NS76-2NW	Beechwood	22377	Catch Basin	Paved Concrete	18	6.4	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS76-3NE	Beechwood	22304	Catch Basin	Paved Concrete	18	6.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Chimney Reconstruct, Vactor Clean, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NS76-3NW	Beechwood	22305	Catch Basin	Paved Concrete		7.4	Other	0.5	1	0.5	0.8	0.5	3.3	2	6.6	Vactor Clean, Internal Chimney Seal, Pavement Replacement	2016	0145-0458
NS76-3SW	Beechwood	22153	Catch Basin	Paved Concrete	18	0.0	Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Remove Debris, Raise	2016	0145-0458
NS76-3W	Beechwood	22305	Catch Basin	Paved Concrete	36	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS76-4S	Beechwood	22074	Catch Basin	Paved Concrete	48	4.2	Precast	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Vactor Clean	2016	0145-0458
NS76-4SW	Beechwood	22079	Catch Basin	Paved Concrete	24	3.8	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Remove Debris	2016	0145-0458
NS76-5N	Beechwood	22010	Catch Basin	Paved Concrete	24	3.7	Precast	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Replace Cover, Point Pipes	2016	0145-0458

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NS76-5NNW	Beechwood	22003	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Vactor Clean	2016	0145-0458
NS76-5SW	Beechwood	21975	Catch Basin	Paved Concrete	18	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Replace Manhole, Remove Debris, Pavement Replacement	2016	0145-0458
NS76-5W	Beechwood	22003	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Vactor Clean, Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS76-6S	Beechwood	21950	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS76-6SW	Beechwood	21949	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS76-7S	Beechwood	21830	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
NS76-7SW	Beechwood	21829	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS76-8SE	Beechwood	21728	Catch Basin	Paved Concrete	18	6.1	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Vactor Clean, Remove Debris	2016	0145-0458
NS76-8SW	Beechwood	21729	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	2	6.2	Internal Chimney Seal, Vactor Clean	2016	0145-0458
ST-38-17-13-1NW	Normandy	23704	Catch Basin	Paved Concrete	45	3.8	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Remove Debris, Internal Chimney Seal	2016	0145-0458
ST-38-17-13-1W	Normandy	23705	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Vactor Clean	2016	0145-0458
ST-38-17-14-1N	Brittany	23704	Catch Basin	Paved Concrete	48	4.1	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
ST-38-17-14-1NW	Brittany	23705	Catch Basin	Paved Concrete	24	2.2	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
ST-38-17-14-1NE	Brittany (located on Semrau)	23704	Catch Basin	Paved Concrete	48	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-17-14NW	Brittany (located on Semrau)	23705	Catch Basin	Paved Concrete	45	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Remove Debris	2016	0145-0458
ST-38-17-14SE	Brittany (located on Semrau)	23166	Catch Basin	Paved Concrete	42	3.5	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-17-14SW	Brittany (located on Semrau)	23167	Catch Basin	Paved Concrete	45	3.4	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
ST-38-17-15-1N	Tuscany	23702	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-17-15-1W	Tuscany	23711	Catch Basin	Paved Concrete	24	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
ST-38-17-15NE	Tuscany (CB located on Semrau)	23702	Catch Basin	Paved Concrete	42	4.1	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
ST-38-17-15NW	Tuscany (CB located on Semrau)	23711	Catch Basin	Paved Concrete	48	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-17-15SE	Tuscany (CB located on Semrau)	23170	Catch Basin	Paved Concrete	42	3.9	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Remove Debris, Internal Chimney Seal	2016	0145-0458
ST-38-17-15SW	Tuscany (CB located on Semrau)	23179	Catch Basin	Paved Concrete	42	3.8	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-17-16	Lambrecht	23170	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-17-16NE	Lambrecht	23700	Catch Basin	Paved Concrete	48	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-17-16S	Lambrecht	23170	Catch Basin	Paved Concrete	42	3.5	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-17-16SW	Lambrecht	23171	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
ST-38-17-17N	Lambrecht	23700	Catch Basin	Paved Concrete	45	3.2	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Chimney Reconstruct	2016	0145-0458
ST-38-17-17NW	Lambrecht	23703	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Seal Wall Joints	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
ST-38-17-17SW	Lambrecht	23171	Catch Basin	Paved Concrete	42	3.9	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Chimney Reconstruct, Reset F&C w/Ext. Seal	2016	0145-0458
ST-38-17-17W	Lambrecht	23703	Catch Basin	Paved Concrete	26	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Seal Wall Joints	2016	0145-0458
ST-38-40-1SW	Normandy	23003	Catch Basin	Paved Concrete	28	3.0	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4	Internal Chimney Seal	2016	0145-0458
ST-38-40-1W	Normandy	23002	Catch Basin	Paved Concrete	48	3.7	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Internal Chimney Seal	2016	0145-0458
ST-38-41-1	Brittany	23002	Manhole	Sidewalk	48	6.1	Block	1	0.5	0.8	0.6	0.5	3.4	2	6.8		2016	0145-0458
ST-38-41-1N	Brittney	23002	Catch Basin	Paved Concrete	48	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-41-1NW	Brittney	23003	Catch Basin	Paved Concrete	26	3.1	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
ST-38-41NW	Brittney, CB on Norton	23003	Catch Basin	Paved Concrete	32	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
ST-38-41SW	Brittney, CB on Norton	22857	Catch Basin	Paved Concrete	30	2.3	Block	0.5	1	0.5	0.2	0.5	2.7	2	5.4		2016	0145-0458
ST-38-42-1NW	Tuscany	23003	Catch Basin	Paved Concrete	28	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
ST-38-42-1W	Tuscany	23004	Catch Basin	Paved Concrete	42	3.7	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-42NE	Tuscany (CB located on Norton)	23004	Catch Basin	Paved Concrete	36	3.7	None	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
ST-38-42NW	Tuscany (CB located on Norton)	23003	Catch Basin	Paved Concrete	34	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
ST-38-42S	Tuscany	23864	Catch Basin	Paved Concrete	45	3.8	None	0.5	1	0.8	0.4	0.5	3.2	2	6.4	Reset F&C w/Ext. Seal, Chimney Reconstruct	2016	0145-0458
ST-38-42SE	Tuscany (located on Norton)	23863	Catch Basin	Paved Concrete	36	3.2	None	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
ST-38-42SSW	Tuscany	23863	Catch Basin	Paved Concrete	28	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Internal Chimney Seal	2016	0145-0458
ST-38-42SW	Tuscany (CB located on Norton)	23863	Catch Basin	Paved Concrete	32	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8	Chimney Reconstruct	2016	0145-0458
ST-38-43S	Lambrecht	23864	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	2	6.4		2016	0145-0458
ST-38-43SW	Lambrecht	22861	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	2	5.8		2016	0145-0458
	Dale	22771	Catch Basin	Paved Concrete	18	5.8	Precast	0.5	1	0.5	0.6	0.5	3.1	2	6.2		2016	0145-0458

## Appendix I – Critical Assets Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
B11-0	Veronica	19011	Manhole	Paved Concrete	54	11.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Point Pipes	2016	0145-0458
B11-0-2	Veronica	19111	Manhole	Paved Concrete	48	9.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B11-1	Veronica	18097	Manhole	Paved Concrete	48	13.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Point Pipes	2016	0145-0458
B11-2	Veronica	18031	Manhole	Paved Concrete	48	11.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B11-3	Veronica	17951	Manhole	Paved Concrete	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B11-4	Kelly NB, located on Veronica.	21440	Manhole	Paved Concrete	48	10.7	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
B12-2	Collinson	19081	Manhole	Paved Concrete	48	13.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B12-3-1	Collinson	19173	Manhole	Paved Concrete	48	10.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Install Drop Connection, Point Pipes	2016	0145-0458
B12-4	Juliana	18270	Manhole	Paved Concrete	48	12.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B12-5	Juliana	18190	Manhole	Paved Concrete	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Point Pipes, Install Drop Connection	2016	0145-0458
B14-1	Collinson	18111	Manhole	Paved Concrete	48	12.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B14-2	Collinson	18059	Manhole	Paved Concrete	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B14-3	Collinson	18005	Manhole	Paved Concrete	48	10.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B14-4	Collinson	17854	Manhole	Paved Concrete	60	10.4	Precast	1	1	1	1	0.5	4.5	2	9		2016	0145-0458
B17-1	Ego (on Sprenger)	18000	Manhole	Paved Concrete	48	15.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Seal Wall Joints, Install Drop Connection	2016	0145-0458
B17-1-2	Sprenger	17790	Manhole	Paved Concrete	48	11.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Install Channel, Internal Chimney Seal	2016	0145-0458
B17-1-3	Sprenger	17790	Manhole	Paved Concrete	48	11.3	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Install Drop Connection	2016	0145-0458
B17-1-4	Sprenger	17710	Manhole	Paved Concrete	48	9.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Remove Debris	2016	0145-0458
B17-2	Ego	17830	Manhole	Paved Concrete	48	13.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Point Pipes	2016	0145-0458
B17-3	Ego	17790	Manhole	Paved Concrete	48	11.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B17-4	Ego	17710	Manhole	Paved Concrete	48	9.7	Block	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B17-5	Kelly NB	20960	Manhole	Paved Concrete	54	9.0	Block	1	1	0.8	0.8	1	4.6	2	9.2	Seal Wall Joints	2016	0145-0458
B17-5-1	Kelly NB, located on Ego.	20960	Manhole	Paved Concrete	48	9.8	Precast	1	1	0.8	1	1	4.8	2	9.6	Seal Wall Joints, Remove Debris	2016	0145-0458
B19-0	Juliana	18000	Manhole	Paved Concrete	48	12.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal	2016	0145-0458
B19-1	Juliana	17870	Manhole	Paved Concrete	48	14.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
B19-2	Juliana	17812	Manhole	Paved Concrete	48	8.1	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2	Internal Chimney Seal	2016	0145-0458
B20-1	8 Mile (in alley behind business)	18023	Manhole	Paved Concrete	48	8.8	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
B2W	Beaconsfield	21801	Catch Basin	Paved Concrete	36	2.8	Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
B3NNW	Lister	19145	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
B4-2-3-1E	Mott	19005	Catch Basin	Paved Concrete	18	3.0	Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Replace Manhole	2016	0145-0458
B5-6-10	Collinson, located on Kelly NB	17854	Manhole	Yard Front	48	8.7	Brick	1	0.5	0.8	0.8	1	4.1	2	8.2		2016	0145-0458
B5-6-10-1	Collision, MH located on Kelly NB	17854	Manhole	Yard Front	48	8.0	Precast	1	0.5	0.8	0.8	1	4.1	2	8.2		2016	0145-0458
B5-6-10-2	Collinson, located on Kelly	17854	Manhole	Yard Front	42	8.4	Block	1	0.5	0.8	0.8	1	4.1	2	8.2		2016	0145-0458
B7-1	Toepfer	19160	Manhole	Yard Side	48	14.1	Block	1	0.5	0.8	1	1	4.3	2	8.6		2016	0145-0458
B7-4A	Beaconsfield	20887	Manhole	Paved Concrete	48	11.9	Block	1	1	0.8	1	0.5	4.3	2	8.6	Install Drop Connection	2016	0145-0458
B9-1	Toepfer	19005	Manhole	Paved Concrete	48	13.8	Precast	1	1	0.8	1	1	4.8	2	9.6	Install Drop Connection	2016	0145-0458
B9-3	Toepfer	18125	Manhole	Paved Asphalt	48	13.3	Precast	1	1	0.8	1	1	4.8	2	9.6	Internal Chimney Seal	2016	0145-0458
B9-5-1	Kelly NB	21510	Manhole	Paved Concrete	48	10.0	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
E10	Normandy Ave	22402	Combined MH	Paved-Conc	48	14.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E11	Brittany Ave	22402	Combined MH	Paved-Conc	48	13.0	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E12	Gascony Ave	22404	Combined MH	Paved-Conc	48	15.8	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E13	Tuscany Ave	22404	Combined MH	Paved-Conc	48	14.8	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E14	Lambrecht Ave	22408	Combined MH	Paved-Conc	48	14.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E15	Saxony Ave	22404	Combined MH	Paved-Conc	48	15.7	Other	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
E16	David Ave	22403	Combined MH	Paved-Conc	48	30.0	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E17	Rausch Ave	22404	Combined MH	Paved-Conc	48	14.3	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E18	Donald Ave	22174	Combined MH	Paved-Conc	48	16.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E19	Cushing Ave	22404	Combined MH	Paved-Conc	48	13.8	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E20	Rein Ave	22408	Combined MH	Paved-Conc	48	14.8	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E21	Piper Ave	22408	Combined MH	Paved-Conc	48	15.3	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E22	Shakespeare Ave	22176	Combined MH	Paved-Conc	48	15.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E23	Pleasant Ave	22154	Combined MH	Paved-Conc	48	15.7	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
E23-1	Pleasant Ave	22154	Combined MH	Paved-Conc	48	15.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
E23-1-1	Melrose Ct	22177	Combined MH	Yard-Side	48	14.6	Precast	1	0.5	0.8	1	0.5	3.8	4	15.2		2016	0145-0458
E23-1-2	Melrose Ct	22176	Combined MH	Sidewalk	48	13.6	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
E23-1-2-1	Melrose Ct	22116	Combined MH	Yard-Front	48	10.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
E23-1-2A	Melrose Ct	22474	Combined MH	Yard-Front	48	8.6	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
E23-1-3	Shakespeare Ave	22177	Combined MH	Non-Paved	48	13.3	Precast	1	0.5	0.8	1	0.5	3.8	4	15.2		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
E23-2	Pleasant Ave	22074	Combined MH	Paved-Conc	48	14.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
E23-3	Pleasant Ave	21858	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
E23-3N	Pleasant	22004	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
E23-3S	Pleasant	21858	Catch Basin	Paved Concrete	22	4.4	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
E23-4	Pleasant Ave	21788	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
E23-5	Pleasant Ave	21710	Combined MH				Brick	1	0.5	0.5	0.2	1	3.2	4	12.8		2016	0145-0458
E23-5S	Pleasant	21710	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	1	3.6	3	10.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
E23-A	Pleasant Ave	22484	Combined MH	Paved-Conc	48	15.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
E23-A-1	Pleasant Ave	22434	Combined MH	Paved-Conc	48	15.8	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
E23-B	Pleasant Ave	16404	Combined MH	Paved-Asph	48	18.2	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
E9	Schroeder Ave	22402	Combined MH	Paved-Conc	48	14.3	Other	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
EH-24-1-1ASW	Beaconsfield	22149	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
EH-24-1-1AW	Beaconsfield	22149	Catch Basin	Paved Concrete	24	3.4	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal, Point Pipes, Seal Wall Joints	2016	0145-0458
EH-25NW	Breaconsfield	22125	Catch Basin	Paved Concrete	42	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal	2016	0145-0458
EH-25S	Beaconsfield	21913	Catch Basin	Paved Concrete	48	3.3	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Vactor Clean, Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Remove Debris	2016	0145-0458
EH-32-10	Kelly	21365	Manhole	Paved Concrete	42	13.9	Block	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
EH-32-11	Kelly	21231	Manhole	Paved Concrete	60	13.4	Block	1	1	1	1	1	5	2	10		2016	0145-0458
EH-32-12	Kelly	21063	Manhole	Paved Asphalt	60	13.4	Block	1	1	1	1	1	5	2	10	Remove Debris	2016	0145-0458
EH-32-13	Kelly	20971	Manhole	Driveway Concrete	60	11.9	Block	1	0.5	1	1	1	4.5	2	9		2016	0145-0458
EH-32-14	Kelly	20865	Manhole	Paved Asphalt	60	12.1	Block	1	1	1	1	1	5	2	10		2016	0145-0458
EH-32-15	Kelly SB, located on Stricker	20715	Manhole	Paved Asphalt	60	11.6	Block	1	1	1	1	1	5	2	10		2016	0145-0458
EH-32-15-0	Kelly SB	20715	Manhole	Paved Concrete	60	6.3	Precast	1	1	1	0.6	1	4.6	2	9.2		2016	0145-0458
EH-32-15-0-1	Kelly NB, located on easement	17755	Manhole	Paved Concrete	60	5.3	Precast	1	1	1	0.6	1	4.6	2	9.2		2016	0145-0458
EH-32-16	Kelly SB, CB located on Stricker	20715	Manhole	Paved Concrete	48	9.9	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
EH-32-17	Stricker	17407	Combined MH	Paved Concrete	60	5.6	Precast	1	1	1	0.6	0.5	4.1	2	8.2	Internal Chimney Seal	2016	0145-0458
EH-32-9	Kelly	21439	Manhole	Yard Side	48	13.2	Block	1	0.5	0.8	1	1	4.3	2	8.6	Seal Wall Joints	2016	0145-0458
KMD07142015N	Ash	19065	Catch Basin	Paved Asphalt	18	3.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
MRM06292015-4	Gratiot	23055	Catch Basin	Paved Asphalt	26	2.8	Block	0.5	1	0.5	0.2	1	3.2	4	12.8	Internal Chimney Seal, Replace Manhole, Pavement Replacement, Point Pipes, Remove Debris	2016	0145-0458
N66-22NE	Hayes & Chesterfield	24820	Catch Basin	Paved Concrete	18			0.5	1	0.5	0.2	0.5	2.7	5	13.5	Chimney Reconstruct, Vactor Clean	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN16-1	Schroeder Ave		Combined MH	Paved-Asph	48	14.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-10	Schroeder Ave		Combined MH	Paved-Asph	48	17.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NN16-10-11	Schroeder Ave	Park	Combined MH	Field	48	16.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NN16-10-12	Stephens Rd	Park	Combined MH	Field	48	15.5	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NN16-10-13	Brittany Ave	24228	Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN16-10-14	Tuscany Ave	24224	Combined MH	Paved-Conc	48	17.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN16-10-14A	Stephens Rd	17525	Combined MH	Paved-Conc	48	16.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-15	Stephens Rd	17503	Combined MH	Paved-Conc	48	16.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-17	Stephens Rd	17435	Combined MH	Paved-Conc	48	17.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-10	Ten Mile Rd	DPW Yard	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN16-10-2-11	Ten Mile Rd	DPW Yard	Combined MH	Paved-Conc	48	12.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-12	Ten Mile Rd	17712	Combined MH	Paved-Conc	48	10.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-13	Brittany Ave		Combined MH	Paved-Conc	48	13.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-14	Ten Mile Rd	17830	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-15	Lambrecht Ave	24940	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-15A	Lambrecht Ave	24935	Combined MH	Yard-Front	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN16-10-2-15NW	Lambricht	24935	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN16-10-2-7	Schroeder Ave		Combined MH	Paved-Asph	48	16.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-10-2-9	Ten Mile Rd	DPW Yard	Sanitary MH	Paved-Conc	48	14.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-2	Schroeder Ave	22745	Combined MH	Paved-Asph	48	14.2	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NN16-3	Schroeder Ave	22785	Combined MH	Paved-Asph	48	14.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-3A	Schroeder Ave	22821	Combined MH	Paved-Asph	48	14.2	Block	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-4	Schroeder Ave		Combined MH	Paved-Asph	48	15.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-5	Schroeder Ave	23100	Combined MH	Paved-Asph	48	14.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-6	Schroeder Ave	23128	Combined MH	Paved-Asph	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-7	Schroeder Ave	23180	Combined MH	Paved-Asph	48	14.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-8	Schroeder Ave	23764	Combined MH	Paved-Asph	48	13.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN16-9	Schroeder Ave	23834	Combined MH	Paved-Asph	48	13.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN19-1	Normandy Ave	22732	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

City of Eastpoine  
 Wastewater Asset Management Plan  
 AEW# 0145-0458  
 Critical Assets - Structures

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN19-2	Normandy Ave	22780	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-3	Normandy Ave	22860	Combined MH	Paved-Conc	48	13.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-4	Normandy Ave	23082	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-5	Normandy Ave	23170	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-5A	Normandy Ave	23736	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-6	Normandy Ave	23768	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-7	Normandy Ave	23840	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN19-7A	Normandy Ave	23856	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN21-1	Brittany Ave	22736	Combined MH	Paved-Conc	48	16.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-2	Brittany Ave	22776	Combined MH	Paved-Conc	48	15.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-3	Brittany Ave	22856	Combined MH	Paved-Conc	48	15.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-4	Brittany Ave	23084	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-4NW	Brittney	23119	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN21-5	Brittany Ave	23166	Combined MH	Paved-Conc	48	11.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-6	Brittany Ave	23768	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-6A	Brittany Ave	23800	Combined MH	Paved-Conc	48	9.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN21-7	Brittany Ave	23832	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-1	Tuscany Ave	22726	Combined MH	Paved-Conc	48	15.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-2	Tuscany Ave	22784	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-3	Tuscany Ave	22864	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-4	Tuscany Ave	23082	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN24-4N	Tuscany	23098	Catch Basin	Paved Concrete	22	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Remove Debris, Replace Manhole	2016	0145-0458
NN24-5	Tuscany Ave	23170	Combined MH	Paved-Conc	48	10.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-6	Tuscany Ave	23768	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN24-7	Tuscany Ave	23836	Combined MH	Paved-Conc	48	10.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN24-7A	Tuscany Ave	23860	Combined MH	Paved-Conc	48	5.2	Precast	1	1	0.8	0.6	1	4.4	3	13.2		2016	0145-0458
NN26-1	Lambrecht Ave	22726	Combined MH	Paved-Conc	48	16.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-2	Lambrecht Ave	22782	Combined MH	Paved-Conc	48	14.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-3	Lambrecht Ave	22864	Combined MH	Paved-Conc	48	13.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN26-4	Lambrecht Ave	23084	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-5	Lambrecht Ave	23170	Combined MH	Paved-Conc	48	10.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-6	Lambrecht Ave	23770	Combined MH	Paved-Conc	48	9.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN26-7	Lambrecht Ave	23840	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-1	Saxony Ave		Combined MH	Paved-Conc	48	20.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-10	Bell Ave	17225	Combined MH	Paved-Conc	48	17.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-11	Bell Ave	17215	Combined MH	Paved-Conc	48	16.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-11-1	Saxony Ave	22730	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-11-1	Saxony Ave	24680	Combined MH	Paved-Conc	48	12.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-11-1AS	Saxony	24640	Catch Basin	Paved Concrete	22	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-11-2	Saxony Ave	24740	Combined MH	Paved-Conc	48	12.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN29-11-2NNW	Saxony	24805	Catch Basin	Paved Concrete	22	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-11-2SW	Hauss	24741	Catch Basin	Paved Concrete	42	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Point Pipes, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-11-3	Saxony Ave	24876	Combined MH	Paved-Conc	48	11.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-11-3SE	Saxony	24869	Catch Basin	Paved Concrete	18	2.6	Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Remove Debris, Point Pipes, Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-11-4	Saxony Ave	24948	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-11-4A	Ten Mile Rd	17200	Combined MH	Paved-Asph	48	13.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-11NW	Bell	17175	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-11SW	Bell	17194	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-12	Bell Ave	17125	Combined MH	Paved-Conc	48	16.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13	Bell Ave	17065	Combined MH	Paved-Conc	48	15.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-10	Adlai Ave	24840	Combined MH	Paved-Conc	48	8.1	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-13-11	Adlai Ave	24860	Combined MH	Paved-Conc	48	8.5	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-13-12	Adlai Ave	24880	Combined MH	Paved-Conc	48	8.2	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-13-2	Adlai Ave	24610	Combined MH	Paved-Conc	48	11.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-1A	Dwight Ave	24716	Combined MH	Yard-Front	48	11.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-3	Dwight Ave	24776	Combined MH	Yard-Front	48	10.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-4	Dwight Ave	24786	Combined MH	Yard-Front	48	10.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-4A	Dwight Ave	24801	Combined MH	Paved-Conc	48	9.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-13-2-4NW	Dwight ave	24781	Catch Basin	Paved Concrete	18	4.5	Precast	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean	2016	0145-0458
NN29-13-2-5	Adlai Ave	24795	Combined MH	Yard-Front	48	9.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-6	Ten Mile Rd	17116	Combined MH	Paved-Asph	48	11.2	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-2-7	Ten Mile Rd	17140	Combined MH	Paved-Conc	48	10.1	Block	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-13-2N	Adlai	24625	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-13-2SW	Dwight	24621	Catch Basin	Paved Concrete	18	5.5	Precast	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-13-4	Adlai Ave	24650	Combined MH	Yard-Front	48	11.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-5	Adlai Ave	24710	Combined MH	Paved-Conc	48	10.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-5A	Adlai Ave	24690	Combined MH	Paved-Conc	48	9.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-6	Adlai Ave	24720	Combined MH	Paved-Conc	48	10.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-7	Adlai Ave	24740	Combined MH	Paved-Conc	48	9.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13-8S	Adlai	24760	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	0.5	2.7	5	13.5	Replace Manhole	2016	0145-0458
NN29-13-9	Adlai Ave	24820	Combined MH	Yard-Front	48	9.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13A	Bell Ave	17065	Combined MH	Yard-Front	48	12.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-13S	Bell	17064	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-1A	Saxony Ave	22730	Combined MH	Yard-Front	48	11.2	Other	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-2	Saxony Ave		Combined MH	Paved-Conc	48	19.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-2-1	Norton Ave	22858	Combined MH	Paved-Conc	48	10.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-2NNW	Saxony	23003	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN29-3A	Saxony Ave	23170	Combined MH	Yard-Front	48	10.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-4-1	David Ave	23750	Combined MH	Paved-Asph	48	15.7	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NN29-4-2	Stephens Rd	17254	Combined MH	Paved-Asph	48	14.6	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN29-4-3	Stephens Rd	17204	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NN29-5	Stephens Rd	17425	Combined MH	Paved-Conc	48	19.7	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN29-8	Wilson Ave	17231	Combined MH	Paved-Conc	48	19.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-8-1	Wilson Ave	17151	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-8-2	Wilson Ave	17071	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-8-3	Wilson Ave	17001	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-8NE	Lambrecht	24401	Catch Basin	Paved Concrete	22	3.9	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole, Seal Wall Joints, Pavement Replacement	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-8SE	Lambrecht	24241	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NN29-9	Forest Ave	17224	Combined MH	Paved-Conc	48	18.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0	Forest Ave	17154	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0-1	Forest Ave	17074	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0-1NW	Forest	17069	Catch Basin	Paved Concrete	40	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Point Pipes	2016	0145-0458
NN29-9-0-2	Forest Ave	@ Cushing	Combined MH	Paved-Conc	48	10.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0-3	Forest Ave	16684	Combined MH	Yard-Front	48	8.7	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN29-9-0-3NW	Forest	16687	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
NN29-9-0-4	Forest Ave	16614	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-0-5	Gratiot Ave	24460	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-9-0-5W	Gratiot	24460	Catch Basin	Paved Concrete	36		Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN29-9-0AE	Forest	17124	Catch Basin	Paved Concrete	36	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Pavement Replacement, Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct	2016	0145-0458
NN29-9-0N	Forest	17151	Catch Basin	Paved Concrete	40	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-9-0W	Forest	17154	Catch Basin	Paved Concrete	40	4.6	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Chimney Reconstruct, Replace Cone Section, Vactor Clean, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN29-9-1	Lambrecht Ave	24456	Combined MH	Paved-Conc	48	18.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-10NE	Lambrecht	24603	Catch Basin	Paved Concrete	20	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Replace Manhole	2016	0145-0458
NN29-9-10SE	Lambrecht	24551	Catch Basin	Paved Concrete	18	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-1-1	Lambrecht Ave	24500	Combined MH	Paved-Conc	48	15.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-1-1A	Lambrecht Ave	22534	Combined MH	Paved-Conc	48	14.4	Block	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-1-2	Lambrecht Ave	22547	Combined MH	Paved-Conc	48	13.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-1-2S	Lambrecht	24566	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN29-9-1-2W	Lambrecht	24603	Catch Basin	Paved Concrete	20	3.5	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-1-3	Lambrecht Ave	24676	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-1-3SW	Lambrecht	24675	Catch Basin	Paved Concrete	20	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN29-9-1-4	Lambrecht Ave	24802	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-1-4N	Lambrecht	24802	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN29-9-1-4NE	Lambrecht	24802	Catch Basin	Paved Concrete	40	4.0	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NN29-9-1-4NW	Lambrecht	24805	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-1-4SE	Lambrecht	24742	Catch Basin	Paved Concrete	18	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-9-1-4SW	Lambrecht	24741	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN29-9-1-5	Lambrecht Ave	24874	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NN29-9-1-5SW	Lambrecht	24862	Catch Basin	Paved Concrete	20	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Point Pipes, Pavement Replacement	2016	0145-0458
NN29-9-2	Tuscany Ave	24308	Combined MH	Paved-Conc	48	17.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-1	Tuscany Ave	24502	Combined MH	Paved-Conc	48	15.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-2-2	Tuscany Ave	24564	Combined MH	Paved-Conc	48	14.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-2-2A	Tuscany Ave	24614	Combined MH	Paved-Conc	48	13.2	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-2AW	Tuscany	24615	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-9-2-2SW	Tuscany	24309	Catch Basin	Paved Concrete	24	3.2		0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN29-9-2-3	Tuscany Ave	24646	Combined MH	Paved-Conc	48	12.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-3A	Tuscany Ave	24696	Combined MH	Paved-Conc	48	12.0	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-3AW	Tuscany	24695	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean	2016	0145-0458
NN29-9-2-4	Tuscany Ave	24802	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-4A	Tuscany Ave	24844	Combined MH	Paved-Conc	48	10.0	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-4ASW	Tuscany	24853	Catch Basin	Paved Concrete	24	3.0	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Pavement Replacement, Replace Manhole	2016	0145-0458
NN29-9-2-4NW	Tuscany	24803	Catch Basin	Paved Concrete	42	3.3	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Vactor Clean, Pavement Replacement, Seal Wall Joints, Chimney Reconstruct	2016	0145-0458
NN29-9-2-4SW	Tuscany	24711	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NN29-9-2-5	Tuscany Ave	24876	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-2-5A	Tuscany Ave	24932	Combined MH	Paved-Conc	48	8.8	Block	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-9-2-5AW	Tuscany	24925	Catch Basin	Paved Concrete	24	3.6	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Pavement Replacement, Chimney Reconstruct, Seal Wall Joints	2016	0145-0458
NN29-9-3	Brittany Ave	24310	Combined MH	Paved-Conc	48	15.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-1	Brittany Ave	24502	Combined MH	Paved-Conc	48	14.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN29-9-3-1N	Brittany	24502	Catch Basin	Paved Concrete	36	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Vactor Clean, Replace Manhole, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN29-9-3-2	Brittany Ave	24576	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-2A	Brittany Ave	24600	Combined MH	Paved-Conc	48	13.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-3	Brittany Ave	24640	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-4	Brittany Ave	24802	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-4A	Brittany Ave	24842	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN29-9-3-4SW	Brittany	24711	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN29-9-3-5	Brittany Ave	24872	Combined MH	Paved-Conc	48	8.9	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-9-3-5A	Brittany Ave		Combined MH	Paved-Conc	48	7.3	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN29-9-3-5ASW	Brittany	24933	Catch Basin	Paved Concrete	18	4.7	Combination	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NN29-9-3S	Brittany	24310	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Vactor Clean, Pavement Replacement, Point Pipes, Chimney Reconstruct	2016	0145-0458
NN29-9-4-1		In Park	Combined MH	Other	48	14.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NN29-9-6	Schroeder Ave	Park	Combined MH	Field	48	14.3	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2007	0145-0320
NN29-9-7	Schroeder Ave		Combined MH	Other	48	13.3	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2007	0145-0320
NN29-9-9	Schroeder Ave		Combined MH	Paved-Asph	48	11.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN29-9NW	Forest	17221	Catch Basin	Paved Concrete	18	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN32-1	David Ave		Combined MH	Paved-Conc	48	18.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-1A	Nine Mile Rd	17301	Combined MH	Paved-Conc	48	13.3	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-1B	Nine Mile Rd	17335	Combined MH	Paved-Conc	48	13.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-2	David Ave	22794	Combined MH	Paved-Conc	48	17.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN32-3	David Ave	22858	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-3E	David	22858	Catch Basin	Paved Concrete	36	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
NN32-3NW	David	23007	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Vactor Clean	2016	0145-0458
NN32-3WNW	David	23007	Catch Basin	Paved Concrete	36	5.6	Block	0.5	1	0.5	0.6	0.5	3.1	4	12.4		2016	0145-0458
NN32-4	David Ave	23084	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-5	David Ave	23168	Combined MH	Paved-Conc	48	10.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN32-6	David Ave	23761	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN32-7	David Ave	23833	Combined MH	Paved-Conc	48	8.3	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN38-1	Rausch Ave	22736	Combined MH	Paved-Conc	48	16.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-1NW	Rausch	22741	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN38-2	Rausch Ave	22802	Combined MH	Paved-Conc	48	15.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-2	David Ave	22794	Combined MH	Paved-Conc	48	15.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-3	Rausch Ave	22858	Combined MH	Paved-Conc	48	14.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-4	Rausch Ave	23088	Combined MH	Paved-Conc	48	12.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-5	Rausch Ave	23170	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN38-5SE	Rausch	23170	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN38-6	Rausch Ave	23754	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN38-7			Combined MH	Paved-Conc	48	7.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN39-2	Donald Ave	22736	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-2-1	Nine Mile Rd	17111	Combined MH	Paved-Conc	48	11.3	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-2-3	Nine Mile Rd	17129	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN39-3	Donald Ave	22796	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-3SW	Donald	22787	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN39-4	Donald Ave	22858	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-4SW	Donald	22857	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NN39-4WNW	Donald (on Norton)	23003	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NN39-5	Donald Ave	23086	Combined MH	Paved-Conc	48	10.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-6	Donald Ave	23164	Combined MH	Paved-Conc	48	10.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN39-6NE	Donald (on Semrau)	23706	Catch Basin	Paved Concrete	18	3.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NN39-7	Donald Ave	23766	Combined MH	Paved-Conc	48	8.7	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN39-8	Donald Ave	23832	Combined MH	Paved-Conc	48	7.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-11	Cushing Ave		Combined MH	Paved-Conc	48	20.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-11N	Forest	17003	Catch Basin	Paved Concrete	40	3.8	Combination	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Vactor Clean, Reset F&C w/Ext. Seal, Chimney Reconstruct, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN42-13	Bell Ave	17004	Combined MH	Paved-Conc	48	22.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1	Cushing Ave	24642	Combined MH	Paved-Conc	48	14.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-1	May Ave	16890	Combined MH	Yard-Front	48	9.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-2	May Ave	16820	Combined MH	Yard-Front	48	9.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-4	May Ave	16800	Combined MH	Yard-Front	48	9.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-5	May Ave	16790	Combined MH	Yard-Front	48	9.3	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-1-5NW	May	16771	Catch Basin	Paved Concrete	18	4.3	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Vactor Clean, Pavement Replacement	2016	0145-0458
NN42-13-1NW	May	16901	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Pavement Replacement, Replace Manhole	2016	0145-0458
NN42-13-2	Cushing Ave	24690	Combined MH	Paved-Conc	48	13.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-2-1	Hauss Ave	16900	Combined MH	Paved-Conc	48	8.9	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN42-13-2-1NW	Hauss	16893	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NN42-13-2-2	Hauss Ave	16832	Combined MH	Paved-Conc	48	7.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN42-13-2A	Hauss Ave	16840	Combined MH	Paved-Conc	48	10.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NN42-13-2N	Cushing	24704	Catch Basin	Paved Concrete	22	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Pavement Replacement, Vactor Clean, Chimney Reconstruct	2016	0145-0458
NN42-13-3	Cushing Ave	24766	Combined MH	Paved-Conc	48	13.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1	Chesterfield Ave	16872	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1A	Chesterfield Ave	16834	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1A-1	Chesterfield Ave		Combined MH	Yard-Front	48	11.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1A-2	Chesterfield Ave	16859	Combined MH	Yard-Front	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1B	Hauss Ave	16835	Combined MH	Paved-Conc	48	10.5	Block	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN42-13-3-1C	Hauss Ave	16837	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-3-1NW	Chesterfield	16869	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-13-3-1W	Chesterfield	16872	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-13-3-2	Chesterfield Ave		Combined MH	Paved-Conc	48	11.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN42-13-4	Cushing Ave	24816	Combined MH	Driveway-Conc	48	11.1	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NN42-13-4-1	Gratiot Ave	24850	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-13-4-1W	Manchester	24850	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-13-4A	Manchester Ave		Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-4A-1	Gratiot Ave	24834	Combined MH	Paved-Conc	48	9.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-4A-2	Gratiot Ave	24834	Combined MH	Paved-Asph	48	10.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-4W	Manchester	16858	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN42-13-5	Cushing Ave	24846	Combined MH	Paved-Conc	48	11.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-5A	Ten Mile Rd	17116	Combined MH	Paved-Asph	48	8.0	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-13-6	Cushing Ave	24846	Combined MH	Paved-Conc	48	11.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13-6NE	10 mile	17000	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NN42-13-7	Gratiot Ave	24930	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-13W	Bell	16801	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-14	Bell Ave	16721	Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-14-1	Bell Ave	16710	Combined MH	Yard-Front	48	9.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-14-2	Bell Ave	16650	Combined MH	Yard-Front	48	9.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-14A	Bell Ave	16720	Combined MH	Yard-Front	48	11.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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NN42-14B	Bell Ave	16800	Combined MH	Yard-Front	48	7.1	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-15	Bell Ave	24550	Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-15-1	Gratiot Ave	24600	Combined MH	Yard-Front	48	13.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-15-3	Gratiot Ave	24600	Combined MH	Paved-Asph	48	9.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-15-4	Gratiot Ave	24600	Combined MH	Paved-Asph	48	7.5	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-15A	Gratiot Ave	24550	Combined MH	Paved-Asph	48	11.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-15B	Gratiot Ave	24530	Combined MH	Paved-Asph	48	12.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN42-16	Bell Ave	24550	Combined MH	Paved-Conc	48	16.4	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN42-17-4E	Wilson	16223	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NN42-17-4NE	Wilson	16223	Catch Basin	Paved Concrete	21	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Raise, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NN42-17ANW	Forest	16205	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN42-17ASW	Forest	16214	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal, Remove Debris, Replace Frame	2016	0145-0458
NN42-17BNW	Forest	16143	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NN42-17BW	Forest	16146	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-17CNE	Forest	16095	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-17W	Forest	16256	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN42-20NW	Bell	16269	Catch Basin	Paved Concrete	18	4.2	Combination	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Seal Wall Joints, Vactor Clean	2016	0145-0458
NN42-21-1ANE	Hauss	16404	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NN42-21-1ASW	Hauss	15224	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-26-2ANNE	Chesterfield	16411	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-26-2ANNW	Chesterfield	16227	Catch Basin	Paved Concrete	36	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NN42-26-2ASSE	Chesterfield	16404	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-26-2ASSW	Chesterfield	16250	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Chimney Reconstruct, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN42-26-2ASW	Chesterfield	16250	Catch Basin	Paved Concrete	36	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Seal Wall Joints, Point Pipes, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-26-5NW	Phlox	24800	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN42-28NW	Manchester	16507	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
NN42-28W	Manchester	16507	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458
NN42-30-2ANNE	Manchester	16405	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Vactor Clean, Pavement Replacement	2016	0145-0458
NN42-4	Cushing Ave		Combined MH	Paved-Conc	48	21.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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NN42-5	Stephens Rd	17036	Combined MH	Paved-Asph	48	11.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NN42-6	Cushing Ave		Combined MH	Paved-Conc	48	21.7	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN42-6-1	Stephens Rd	16906	Combined MH	Paved-Asph	48	8.4	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN42-6-1A	Rein Ave	24258	Combined MH	Paved-Conc	48	7.3	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NN42-6-2	Stephens Rd	16724	Combined MH	Paved-Asph	48	8.0	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN42-6-2A	Shakespeare Ave	24274	Combined MH	Paved-Conc	48	7.1	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NN42-6-2ANW	Shakespeare	24275	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NN42-6-3	Stephens Rd	16600	Combined MH	Paved-Asph	48	8.6	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN42-6-3-1	Melrose Ave	24242	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-6-3-1A	Melrose Ave	24326	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2007	0145-0320
NN42-6-3-1N	Melrose Ave	24326	Combined MH	Paved-Conc	42	7.8	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2	Internal Chimney Seal, Install Bench, Install Channel, Vactor Clean	2016	0145-0458
NN42-6-3-1NW	Melrose	24303	Catch Basin	Paved Concrete	22	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN42-6-3-2	Gratiot Ave	24200	Combined MH	Paved-Asph	48	8.9	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-6-4	Gratiot Ave	23850	Combined MH	Paved-Asph	48	9.0	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN42-8	Cushing Ave		Combined MH	Paved-Conc	48	21.6	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9	Cushing Ave		Combined MH	Paved-Conc	48	20.1	Other	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-1	Wilson Ave	16931	Combined MH	Paved-Conc	48	13.2	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-1AW	Wilson	16950	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NN42-9-1B	Cushing Ave	24240	Combined MH	Yard-Front	48	7.8	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN42-9-2	Wilson Ave	16871	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-3	Wilson Ave	16641	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-3NW	Wilson	16641	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Pavement Replacement, Replace Cover	2016	0145-0458
NN42-9-4	Wilson Ave	16580	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN42-9-4-1	Gratiot Ave	24340	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN42-9-4-1E	Gratiot	24404	Catch Basin	Paved Concrete	42	5.0	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Chimney Reconstruct, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN42-9-4-1S	Gratiot	24340	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal	2016	0145-0458
NN42-9-5	Gratiot Ave	24305	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN42-9N	Wilson	17001	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Vactor Clean, Remove Debris, Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NN42-9SE	Wilson	16984	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN44-1	Donald Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.2	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN44-1SW	9 Mile	17011	Catch Basin	Driveway Asphalt	46	3.4	Block	0.5	0.5	0.8	0.4	0.5	2.7	3	8.1	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NN44-2	Cushing Ave		Combined MH	Paved-Conc	48	14.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-3	Cushing Ave	22800	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-4	Cushing Ave	22862	Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-4NE	Cushing (on Norton)	23004	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Replace Manhole	2016	0145-0458
NN44-5	Cushing Ave	23082	Combined MH	Paved-Conc	48	11.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-5A	Cushing Ave	23020	Combined MH	Paved-Conc	48	12.1	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-6	Cushing Ave	23164	Combined MH	Paved-Conc	48	10.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-6A	Cushing Ave	23140	Combined MH	Paved-Conc	48	10.1	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN44-6SW	Cushing (on Semrau)	23169	Catch Basin	Paved Concrete	42	3.5		0.5	1	0.8	0.4	0.5	3.2	3	9.6	Seal Wall Joints, Remove Debris, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN44-7	Cushing Ave	23766	Combined MH	Paved-Conc	48	8.5	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN44-8	Cushing Ave	23834	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN47-1	Rein Ave	@ 9 Mile	Combined MH	Paved-Conc	48	17.1	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN47-2	Rein Ave	22726	Combined MH	Paved-Conc	48	14.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-3	Rein Ave	22790	Combined MH	Paved-Conc	48	14.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-3NW	Rein	22801	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Pavement Replacement, Vactor Clean	2016	0145-0458
NN47-4	Rein Ave	22862	Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-4A	Rein Ave	22840	Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-4AW	Rein	22841	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458
NN47-5	Rein Ave	23080	Combined MH	Paved-Conc	48	11.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-5A	Rein Ave	23024	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-6	Rein Ave	23172	Combined MH	Paved-Conc	48	9.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-6N	Rein	23706	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Remove Debris	2016	0145-0458
NN47-7	Rein Ave	23768	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN47-8	Rein Ave	23834	Combined MH	Paved-Conc	48	7.7	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NN47-8SE	Rein	23824	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NN47-8SW	Rein	23825	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Remove Debris, Replace Manhole	2016	0145-0458
NN49-1	Piper Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.9	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN49-2	Piper Ave	16809	Combined MH	Paved-Conc	48	14.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-2NW	9 Mile (on Piper)	16749	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Point Pipes, Remove Debris	2016	0145-0458
NN49-3	Piper Ave	22792	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-4	Piper Ave	22864	Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-4A	Piper Ave	23024	Combined MH	Paved-Conc	48	12.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-4ANW	Piper	23043	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN49-5	Piper Ave	23090	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-5-0	Piper	23043	Catch Basin	Paved Concrete	24	4.5	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN49-6	Piper Ave	23172	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN49-6A	Piper Ave	23718	Combined MH	Paved-Conc	48	8.8	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN49-6NE	Piper (on Semrau)	23704	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Replace Manhole, Remove Debris	2016	0145-0458
NN49-7	Piper Ave	23766	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN49-7A	Piper Ave	23824	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN49-8	Piper Ave	23830	Combined MH	Paved-Conc	48	7.7	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NN51-1	Shakespeare Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.3	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN51-2	Shakespeare Ave	22734	Combined MH	Paved-Conc	48	15.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN51-3	Shakespeare Ave	22806	Combined MH	Paved-Conc	48	14.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN51-4	Shakespeare Ave	22864	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN51-5	Shakespeare Ave	23058	Combined MH	Paved-Conc	48	11.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN51-6	Shakespeare Ave	@ Semrau	Combined MH	Paved-Conc	48	9.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN51-7	Shakespeare Ave	23740	Combined MH	Paved-Conc	48	8.3	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN51-8	Shakespeare Ave	23778	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN51-9	Shakespeare Ave	23838	Combined MH	Paved-Conc	48	7.2	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN54-1	Melrose Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN54-2	Melrose Ave	Alley	Combined MH	Paved-Conc	48	15.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-2-1	Nine Mile Rd	16413	Combined MH	Yard-Back	48	9.0	Brick	1	0.5	0.8	0.8	0.5	3.6	3	10.8		2016	0145-0458
NN54-3	Melrose Ave	22796	Combined MH	Paved-Conc	48	14.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-4	Melrose Ave	@ Norton	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-4-1	Hofer Ave		Combined MH	Paved-Conc	48	13.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN54-4-2	Hofer Ave	16282	Combined MH	Paved-Conc	48	12.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-4-3	Evergreen Ave	16192	Combined MH	Paved-Conc	48	11.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-4-4	Evergreen Ave	16129	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-4-4-1	Gratiot Ave	23320	Combined MH	Paved-Conc	48	11.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-4-4-1A	Evergreen Ave	16129	Combined MH	Paved-Conc	48	11.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-4-5	Gratiot Ave	23354	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-4NW	Melrose (on Evergreen)	23013	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN54-5	Melrose Ave	23106	Combined MH	Paved-Conc	48	12.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-5-1	Nicolai Ave	16338	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-5-2	Nicolai Ave	16728	Combined MH	Paved-Conc	48	11.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-5-3	Nicolai Ave	Alley	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-5-3-1	Gratiot Ave	23454	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NN54-5-4	Nicolai Ave	23354	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-5N	Melrose	23112	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Point Pipes	2016	0145-0458
NN54-6	Melrose Ave	@ Semrau	Combined MH	Paved-Conc	48	12.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-6-1	Hofer Ave		Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-2	Semrau Ave	16306	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-3	Owen Ave	16268	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-3-1	Hofer Ave		Combined MH	Paved-Conc	48	7.7	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN54-6-4	Owen Ave	Alley	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-4-1	Gratiot Ave	23832	Combined MH	Paved-Asph	48	10.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN54-6-4A	Gratiot Ave	23700	Combined MH	Paved-Asph	48	9.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-4B	Gratiot Ave	23750	Combined MH	Paved-Asph	48	9.9	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6-5	Owen Ave	ROW	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN54-6N	Melrose	23700	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Cover, Replace Frame, Chimney Reconstruct, Pavement Replacement, Vactor Clean, Replace Manhole	2016	0145-0458
NN54-7	Melrose Ave	23740	Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN56-9ANNW	Gratiot	23200	Catch Basin	Paved Concrete	24	4.6	Brick	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Chimney Reconstruct, Replace Manhole, Pavement Replacement	2016	0145-0458
NN58-1	Liscomb Ave	@ 9 Mile	Combined MH	Paved-Conc	48	15.5	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN58-3	Liscomb Ave	22744	Combined MH	Paved-Conc	48	15.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type							
NN58-4	Liscomb Ave	22800	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458	
NN58-5	Liscomb Ave	22814	Combined MH	Paved-Conc	48	12.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458	
NN58-6	Liscomb Ave	22814	Combined MH	Paved-Conc	48	12.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458	
NN58-7	Liscomb Ave	22844	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458	
NN58-7NW	Aurora (on Liscomb)	16214	Catch Basin	Paved Concrete	18	5.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458	
NN66-10-1-1W	Flower	24291	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458	
NN66-10-1-2NW	Flower	24501	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458	
NN66-10-1-2W	Flower & Forest	24501	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458	
NN66-10-1-3NE	Flower	24601	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Point Pipes	2016	0145-0458	
NN66-10-1-4NW	Flower	24805	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458	
NN66-10-3-2N	Rosebud	24344	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458	
NN66-10-3-3NW	Rosebud	24517	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458	
NN66-10-3-4E	Rosebud	24580	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458	
NN66-10-3-4NW	Bell	24581	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458	
NN66-10-3-4SE	Rosebud	24580	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458	
NN66-10-3-4W	Bell	24581	Catch Basin	Paved Concrete	36	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Frame, Reset F&C w/Ext. Seal, Pavement Replacement, Replace Manhole	2016	0145-0458	
NN66-10-4-1SE	Phlox	24301	Catch Basin	Paved Concrete	18	4.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean, Seal Wall Joints, Remove Debris	2016	0145-0458	
NN66-10-4-1SW	Phlox	24241	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458	
NN66-10-4-3NE	Phlox	24502	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458	
NN66-10-4-3NW	Phlox	24505	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458	
NN66-11-11-1	10 Mile but Manhole is on Fortuna	15121	Manhole	Paved Concrete	54	8.3	Precast	1	1	0.8	0.8	1	4.6	2	9.2	Seal Lift Holes, Install Bench, Install Channel, Remove Debris	2016	0145-0458	
NN66-11-11-2	Fortuna	25030	Manhole	Paved Concrete	48	8.4	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458	
NN66-11-11N		24296	Grove	Catch Basin	Paved Concrete	42	4.9	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NN66-11-2N		24520	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Vactor Clean, Replace Manhole, Seal Wall Joints, Point Pipes	2016	0145-0458	
NN66-11-2NE	Grove & Forest	24502	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct	2016	0145-0458	
NN66-11-4NE	Grove	24808	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458	
NN66-11-4SW	Grove	24665	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Reset F&C w/Ext. Seal	2016	0145-0458	
NN66-12-3NE	Dale	24584	Catch Basin	Paved Concrete	18	5.2	Brick	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Seal Wall Joints	2016	0145-0458	
NN66-12-3NW	Dale	24585	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458	

MHNNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-12-5N	Dale	24876	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct	2016	0145-0458
NN66-1-3SE	Dale (on South Park)	22788	Catch Basin	Paved Concrete	18	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-14-2SW	Laetham	24371	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Replace Manhole	2016	0145-0458
NN66-14-3NE	Laetham	24584	Catch Basin	Paved Concrete	22		Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Chimney Reconstruct	2016	0145-0458
NN66-14-4NW	Laetham	24803	Catch Basin	Paved Concrete	20		Block	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
NN66-14-5E	Laetham	24886	Catch Basin	Paved Concrete	18	4.9	Precast	0.5	1	0.5	0.4	0.5	2.9	5	14.5	Replace Manhole	2016	0145-0458
NN66-14-5SW	Laetham	24867	Catch Basin	Paved Concrete	18	5.3	Precast	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Seal Wall Joints, Vactor Clean	2016	0145-0458
NN66-14-6NW	Laetham	24941	Catch Basin	Paved Concrete	22	2.9	Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Reset F&C w/Ext. Seal, Vactor Clean, Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NN66-15-1NW	Valley	24295	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-15-2E	Valley	24500	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NN66-15-2SE	Valley	24370	Catch Basin	Paved Concrete	30	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-15-3NE	Valley	24582	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	5	14.5	Replace Manhole	2016	0145-0458
NN66-15-4W	Valley	24803	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	5	13.5	Vactor Clean, Remove Debris	2016	0145-0458
NN66-15-5NW	Valley	24875	Catch Basin	Paved Concrete	18	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NN66-15-6W	Valley	24933	Catch Basin	Paved Concrete	18		Precast	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Chimney Reconstruct	2016	0145-0458
NN66-16-1W	Stephens	14802	Catch Basin	Paved Concrete	60	6.4	Precast	0.5	1	1	0.6	1	4.1	2	8.2		2016	0145-0458
NN66-16-2E	Firwood	23250	Catch Basin	Paved Concrete	60	5.2	Precast	0.5	1	1	0.6	1	4.1	2	8.2		2016	0145-0458
NN66-16-2W	Stephens	14652	Catch Basin	Paved Concrete	60	5.1	Precast	0.5	1	1	0.6	1	4.1	2	8.2		2016	0145-0458
NN66-17	Hayes	24290	Combined MH	Driveway Concrete	48	14.7	Brick	1	0.5	0.8	1	1	4.3	2	8.6	Internal Chimney Seal, Install Drop Connection	2016	0145-0458
NN66-17NE	Hayes	24290	Catch Basin	Paved Concrete	42	5.2	Block	0.5	1	0.8	0.6	1	3.9	3	11.7	Internal Chimney Seal, Seal Wall Joints, Remove Debris	2016	0145-0458
NN66-18	Hayes	24328	Combined MH	Yard Front	42	13.9	Brick	1	0.5	0.8	1	1	4.3	2	8.6	Install Drop Connection	2016	0145-0458
NN66-19	Hayes	24500	Combined MH	Paved Concrete	48	12.6	Brick	1	1	0.8	1	1	4.8	2	9.6	Internal Chimney Seal	2016	0145-0458
NN66-19E	Hayes	24368	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-19N	Hayes	24500	Catch Basin	Paved Concrete	42	4.5	Block	0.5	1	0.8	0.4	1	3.7	3	11.1	Chimney Reconstruct, Remove Debris	2016	0145-0458
NN66-20	Hayes	24548	Combined MH	Yard Side	42	12.6	Brick	1	0.5	0.8	1	1	4.3	2	8.6	Internal Chimney Seal, Replace Frame	2016	0145-0458
NN66-20W	Hayes	24605	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	1	3.7	4	14.8	Chimney Reconstruct, Reset F&C w/Ext. Seal, Seal Wall Joints, Pavement Replacement	2016	0145-0458
NN66-21	Hayes	24580	Combined MH	Yard Front	48	12.6	Brick	1	0.5	0.8	1	1	4.3	2	8.6		2016	0145-0458
NN66-21N	Hayes	24580	Catch Basin	Paved Concrete	40	6.2	Block	0.5	1	0.8	0.6	1	3.9	3	11.7	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NN66-21NW	Hayes	24635	Catch Basin	Paved Concrete	46	4.8	Block	0.5	1	0.8	0.4	1	3.7	3	11.1	Chimney Reconstruct, Seal Wall Joints, Remove Debris	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN66-22NW	Hayes	24813	Catch Basin	Paved Concrete	18	4.6	Precast	0.5	1	0.5	0.4	1	3.4	4	13.6	Replace Manhole	2016	0145-0458
NN66-24N	Hayes	24892	Catch Basin	Paved Concrete	42	4.2	Block	0.5	1	0.8	0.4	1	3.7	4	14.8	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NN66-24NW	Hayes	24909	Catch Basin	Paved Concrete	18	3.5	Precast	0.5	1	0.5	0.4	1	3.4	4	13.6	Chimney Reconstruct	2016	0145-0458
NN66-25W	Hayes	24919	Catch Basin	Paved Concrete	36		Block	0.5	1	0.5	0.2	1	3.2	3	9.6	Internal Chimney Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN66-5-2N	Charles	15621	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3		2016	0145-0458
NN66-5-9NW	Nicolai	15855	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NN66-5-BN	Charles	15073	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-5-NW	Charles	15367	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Seal Wall Joints, Remove Debris	2016	0145-0458
NN66-6-2E	Camden	15704	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-6-2NE	Camden	15703	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-7-1ANE	Deerfield (on Henrietta)	15705	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-7-1ANNW	Deerfield (on Henrietta)	15621	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Vactor Clean, Remove Debris, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-7NNW	NNW corner of Deerfield and Grove (on Grove)		Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN66-8-2NW	Evergreen	15638	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4		2016	0145-0458
NN66-8-2SW	Evergreen (on Henrietta)	15638	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Vactor Clean, Remove Debris, Replace Frame	2016	0145-0458
NN66-8-2W	Evergreen	15643	Catch Basin	Paved Concrete	18	3.0	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Remove Debris, Pavement Replacement, Replace Manhole	2016	0145-0458
NN66-9-1-1SW	Nicolai	15664	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN66-9-5SE	Semrau	15852	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NN70-1-1	Hayes Ave	22876	Combined MH	Paved-Asph	48	11.9	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NN70-1-2	Hayes Ave	22896	Combined MH	Paved-Asph	48	10.7	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN70-1-3	Hayes Ave	22944	Combined MH	Paved-Asph	48	8.5	Block	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NN70-1-4	Hayes Ave		Combined MH	Paved-Asph	48	9.4	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN70-1-5	Hayes Ave		Combined MH	Paved-Asph	48	10.9	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NN70-1-6	Hayes Ave	23152	Combined MH	Paved-Asph	48	8.9	Brick	1	1	0.8	0.8	1	4.6	4	18.4		2016	0145-0458
NN70-1-7	Hayes Ave	23212	Combined MH	Paved-Asph	48	7.5	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NN70-2-2N	Linwood	22839	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NN70-2-2NW	Linwood	22840	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Pavement Replacement, Replace Manhole	2016	0145-0458
NN72-3N	Oakwood	22868	Catch Basin	Paved Concrete	24	3.7	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Seal Wall Joints, Internal Chimney Seal	2016	0145-0458
NN72-5W	Oakwood	23075	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NN72-7N	Oak wood	23224	Catch Basin	Paved Concrete			Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole, Reset F&C w/Ext. Seal, Vactor Clean, Remove Debris	2016	0145-0458
NN73-2	Firwood Ave	22780	Combined MH	Paved-Conc	48	15.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN73-2N	Firwood	22790	Catch Basin	Paved Concrete	16		Precast	0.5	1	0.5	0.2	0.5	2.7	5	13.5	Chimney Reconstruct, Remove Debris	2016	0145-0458
NN73-3	Firwood Ave	22858	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN73-4	Firwood Ave	22890	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Point Pipes	2016	0145-0458
NN73-4N	Firwood	22890	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Remove Debris, Chimney Reconstruct, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NN73-5	Firwood Ave	22944	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NN73-6	Firwood Ave	23070	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN73-7	Firwood Ave	23158	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN73-8	Firwood Ave	23238	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NN75-2	Beechwood Ave	22770	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN75-3	Firwood Ave	22846	Combined MH	Paved-Conc	48	11.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN75-4	Beechwood Ave	22916	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NN75-5	Beechwood Ave	23056	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6	Chimney Reconstruct	2016	0145-0458
NN75-6	Beechwood Ave	23146	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Seal Wall Joints	2016	0145-0458
NN75-7	Beechwood Ave	23320	Combined MH	Paved-Conc	48	7.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2	Remove Debris, Replace Manhole	2016	0145-0458
NS15-1	Schroeder Ave	22540	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS15-2	Schroeder Ave	22468	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS15-2S	Schroeder	22468	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NS15-3	Schroeder Ave	22168	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS15-3NE	Schroeder but cb on Oak	22402	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
NS15-4			Combined MH					1	0.5	0.5	0.2	0.5	2.7	3	8.1		2016	0145-0458
NS15-4W	Schroeder	22095	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS15-6	Schroeder Ave	21860	Combined MH				Precast	1	0.5	0.5	0.2	0.5	2.7	3	8.1		2016	0145-0458
NS18-1	Normandy Ave	22540	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-1A	Normandy Ave	22540	Combined MH	Paved-Conc	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-1B	Schroeder Ave	22543	Combined MH	Paved-Conc	48	12.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-2	Normandy Ave	22468	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-3	Normandy Ave	22172	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

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NS18-4	Normandy Ave	22084	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS18-5	Normandy Ave	21860	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS18-6	Normandy Ave	21796	Combined MH	Paved-Conc	48	8.7	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS20-1	Brittany Ave	22538	Combined MH	Paved-Conc	48	15.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS20-1A	Nine Mile Rd	17744	Combined MH	Paved-Conc	48	11.6	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS20-2	Brittany Ave	22466	Combined MH	Driveway-Conc	48	14.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS20-3	Brittany Ave	22172	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS20-3NW	Brittany	22003	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean	2016	0145-0458
NS20-3SW	Brittany	22146	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3		2016	0145-0458
NS20-4	Brittany Ave	22082	Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS20-5	Brittany Ave	21858	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS20-5NE	Brittany, cb on Ash	22004	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal	2016	0145-0458
NS20-5S	Brittany	21858	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS20-6	Brittany Ave	21796	Combined MH	Paved-Conc	48	9.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS2-1-5AN	Marine	22405	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS2-1-5ANNE	Marine	22400	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Pavement Replacement, Reset F&C w/Ext. Seal	2016	0145-0458
NS2-1-5AS	Marine	22320	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
NS2-1-5ASE	Marine	22320	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS2-1-5ASW	Marine	22323	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS23-1	Gascony Ave		Combined MH	Paved-Conc	48	16.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-1A	Nine Mile Rd	17650	Combined MH	Paved-Conc	48	11.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-1B	Nine Mile Rd	17700	Combined MH	Paved-Conc	48	11.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS2-3-1E	Raven	22538	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS2-3-1S	Raven	22500	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS23-2	Gascony Ave	22474	Combined MH	Paved-Conc	48	14.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS23-3	Gascony Ave	22170	Combined MH	Paved-Conc	48	14.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS2-3-3N	Raven	22538	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Internal Chimney Seal	2016	0145-0458
NS2-3-3NE	Raven	22533	Catch Basin	Paved Concrete	24	3.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Seal Wall Joints	2016	0145-0458
NS2-3-3S	Raven	22505	Catch Basin	Paved Concrete	22	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS2-3-SSE	Raven	22500	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Reset F&C w/Ext. Seal, Internal Chimney Seal, Pavement Replacement	2016	0145-0458
NS23-4	Gascony Ave	22082	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-5	Gascony Ave	21858	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS23-5E	Gascony, cb on Ash	21858	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS23-5NW	Gascony	22003	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS23-5NW	Gascony, cb on Ash	22003	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS23-5S	Gascony	21858	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS23-6	Gascony Ave	21788	Combined MH	Paved-Conc	48	9.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS2-4-1E	Beaconsfield	22333	Catch Basin	Paved Concrete	36	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS2-4-1SE	Beaconsfield	22215	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS25-1	Nine Mile Rd	17640	Combined MH	Paved-Conc	48	17.0	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS2-5-1AN	Raven	22414	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS2-5-1ANW	Raven	22403	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Seal Wall Joints, Chimney Reconstruct, Pavement Replacement, Replace Frame	2016	0145-0458
NS2-5-1AS	Raven	22320	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	5	13.5	Vactor Clean, Remove Debris	2016	0145-0458
NS2-5-1ASW	Raven	22323	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS25-2	Tuscany Ave	22530	Combined MH	Paved-Conc	48	16.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-2A	Nine Mile Rd	17640	Combined MH	Paved-Conc	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-2B	Nine Mile Rd	17640	Combined MH	Paved-Conc	48	12.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-2BE	9 mile, CB in alley	17640	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS25-3	Tuscany Ave	22466	Combined MH	Paved-Conc	48	14.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS25-4	Tuscany Ave	22170	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-5	Tuscany Ave	22084	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-6	Tuscany Ave	21856	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-6NW	Tuscany, cb on Ash	22003	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS25-7	Tuscany Ave	21826	Combined MH	Paved-Conc	48	10.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS25-8	Tuscany Ave	21788	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS2-6BSE	Rosetta	19098	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS2-7-2-1NE	Raven	22208	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Internal Chimney Seal	2016	0145-0458
NS2-7-2-1NNW	Raven	22207	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS2-7-2-1NW	Raven	22207	Catch Basin	Paved Concrete	18	3.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS2-7-2AS	Raven	19000	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct, Vactor Clean, Pavement Replacement	2016	0145-0458
NS2-7-AW	Rosetta	18740	Catch Basin	Paved Concrete	42	3.8	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NS2-7-BN	Morningside	19115	Catch Basin	Paved Concrete	18	5.4	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NS2-7-BS	Morningside	19130	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS28-1	Nine Mile Rd	17500	Combined MH	Paved-Conc	48	18.5	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS28-2	Lambrecht Ave	22536	Combined MH	Paved-Conc	48	16.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS28-2A	Nine Mile Rd	17500	Combined MH	Paved-Conc	48	11.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS2-8-2ANE	Morningside	19005	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Pavement Replacement, Replace Manhole	2016	0145-0458
NS2-8-2ANW	Morningside	18573	Catch Basin	Paved Concrete	20	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS2-8-2ASE	Morningside	19000	Catch Basin	Paved Concrete	22	3.2	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS28-2B	Nine Mile Rd	17538	Combined MH	Paved-Conc	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS28-3	Lambrecht Ave	22474	Combined MH	Paved-Conc	48	14.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS28-4	Lambrecht Ave	22172	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS28-5	Lambrecht Ave	22082	Combined MH	Paved-Conc	48	12.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS28-5SW	Lambrecht	22081	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS28-6	Lambrecht Ave	21854	Combined MH	Paved-Asph	48	12.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS28-7	Lambrecht Ave	21784	Combined MH	Paved-Asph	48	10.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS2-8ANW	Lister	19115	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Remove Debris, Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NS2-9-2AW	Lister	18482	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS31-1	Nine Mile Rd	17406	Combined MH	Paved-Conc	48	20.0	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS31-2	Saxony Ave	22536	Combined MH	Paved-Conc	48	17.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS31-2A	Nine Mile Rd	17310	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS31-2B	Nine Mile Rd		Combined MH	Paved-Conc	48	21.5	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS31-3	Saxony Ave	22466	Combined MH	Paved-Conc	48	15.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS3-1-3AN	Marine	22534	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS3-1-3ANNE	Marine	22534	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Internal Chimney Seal, Vactor Clean	2016	0145-0458
NS3-1-3ANW	Marine	22544	Catch Basin	Paved Concrete	20	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Vactor Clean, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS3-1-3AS	Marine	22517	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS3-1-3ASSW	Marine	22512	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS3-1-3AW	Marine	22544	Catch Basin	Paved Concrete	18	3.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS31-4	Saxony Ave	22174	Combined MH	Paved-Conc	48	14.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS31-5	Saxony Ave	22094	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS3-1-5ANNW	Petersburg	22405	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS3-1-5ANW	Petersburg	22405	Catch Basin	Paved Concrete	18	3.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS3-1-5ASE	Petersburg	22316	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS3-1-5ASW	Petersburg	22321	Catch Basin	Paved Concrete	42	3.7	Block	0.5	1	0.8	0.4	0.5	3.2	4	12.8	Reset F&C w/Ext. Seal, Chimney Reconstruct, Seal Wall Joints, Pavement Replacement, Vactor Clean, Remove Debris	2016	0145-0458
NS31-6	Saxony Ave	22006	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS31-6NW	Saxony, cb on Ash	22007	Catch Basin	Paved Concrete	18	3.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS3-1AE	Petersburg	22606	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS3-1ANE	Petersburg	22606	Catch Basin	Paved Concrete	42	4.4	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS3-1ASSE	Petersburg	22510	Catch Basin	Paved Concrete	42	4.7	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS3-1ASW	Petersburg	22517	Catch Basin	Paved Concrete	42	4.3	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS33-1	Nine Mile Rd	17300	Combined MH	Paved-Conc	48	18.6	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS33-1W	9 Mile	17210	Catch Basin	Paved Concrete	21	3.0	Block	0.5	1	0.5	0.2	1	3.2	3	9.6	Internal Chimney Seal, Seal Wall Joints, Point Pipes	2016	0145-0458
NS33-2	David Ave	22474	Combined MH	Paved-Conc	48	15.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-3	David Ave	22174	Combined MH	Paved-Conc	48	14.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-3N	David	22400	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS33-3NE	David, cb on Oak	22400	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS33-4	David Ave	22086	Combined MH	Paved-Conc	48	13.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-5	Saxony Ave		Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-6	David Ave	21785	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS33-7	David Ave	21711	Combined MH	Paved-Conc	48	7.4	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS33-7SW	David	21711	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS37-1	Nine Mile Rd	17210	Combined MH	Paved-Conc	48	15.9	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS37-2	Rausch Ave	22478	Combined MH	Paved-Conc	48	14.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-2S	Rausch	22478	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Remove Debris	2016	0145-0458
NS37-2SW	9 Mile, cb on Rausch	17140	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS37-3	Rausch Ave	22174	Combined MH	Paved-Conc	48	13.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-3NW	9 Mile address, cb on Oak near apt 126	17100	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS37-3SSW	Rausch	22175	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Frame, Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS37-4	Rausch Ave	22094	Combined MH	Paved-Conc	48	11.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-4S	Rausch	22086	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean, Seal Wall Joints	2016	0145-0458
NS37-4SW	Rausch	22085	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Vactor Clean, Seal Wall Joints	2016	0145-0458
NS37-5	Rausch Ave	21844	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-5NE	Rausch, cb on Ash	22004	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS37-6	Rausch Ave	21780	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS37-7	Rausch Ave	21706	Combined MH	Paved-Conc	48	6.0	Brick	1	1	0.8	0.6	1	4.4	3	13.2		2016	0145-0458
NS37-7W	Rausch	21706	Catch Basin	Paved Concrete	18	4.8	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement, Replace Cover	2016	0145-0458
NS40-1	Nine Mile Rd	17100	Combined MH	Paved-Asph	48	16.9	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS40-2	Nine Mile Rd	17100	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS40-3	Donald Ave	22174	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS40-3SW	Donald, cb on Oak	22175	Catch Basin	Paved Concrete	36		Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Vactor Clean, Internal Chimney Seal, Seal Wall Joints	2016	0145-0458
NS40-4	Donald Ave	22092	Combined MH	Paved-Conc	48	11.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS40-4SW	Donald	22087	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS40-5	Donald Ave	21850	Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS40-6	Donald Ave	21778	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS40-7	Donald Ave	21704	Combined MH	Paved-Conc	48	7.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS43-1	Nine Mile Rd	17036	Combined MH	Paved-Asph	48	16.0	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS43-1A	Nine Mile Rd	17039	Combined MH	Paved-Asph	48	14.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS43-1ASW	Cushing	22527	Catch Basin	Paved Concrete	18	5.8	Combination	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS43-2	Cushing Ave	22476	Combined MH	Paved-Conc	48	14.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS43-2A	Cushing Ave	22428	Combined MH	Paved-Conc	48	13.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS43-2AS	Cushing	22422	Catch Basin	Paved Concrete	18	6.7	Block	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Vactor Clean, Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS43-3	Cushing Ave	22174	Combined MH	Paved-Conc	48	13.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS43-4	Cushing Ave	22086	Combined MH	Paved-Conc	48	11.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS43-5	Cushing Ave	21850	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS43-5A	Cushing Ave	21818	Combined MH	Paved-Conc	48	9.6	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS43-5SW	Cushing, cb on Ash	21853	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Internal Chimney Seal	2016	0145-0458
NS43-6	Cushing Ave	21786	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS43-7	Cushing Ave	21704	Combined MH	Paved-Conc	48	7.0	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458
NS43-7SW	Cushing	21703	Catch Basin	Paved Concrete	32	4.0	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS46-1	Nine Mile Rd	16900	Combined MH	Paved-Asph	48	17.7	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS46-1AS	9 Mile	16840	Catch Basin	Paved Concrete	21	2.8	Block	0.5	1	0.5	0.2	1	3.2	3	9.6	Replace Manhole	2016	0145-0458
NS46-2	Rein Ave	22470	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS46-3	Rein Ave	22174	Combined MH	Paved-Conc	48	14.8	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS46-3NW	Rein	22409	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean	2016	0145-0458
NS46-4	Rein Ave	22092	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS46-5	Rein Ave	21856	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS46-5N	Rein	22004	Catch Basin	Paved Concrete	18	5.3	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS46-5NE	Rein, cb on Ash	22004	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS46-5NNW	Rein	22004	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS46-6	Rein Ave	21818	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS46-7	Rein Ave	21730	Combined MH	Paved-Conc	48	7.4	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS46-8	Toepfer Rd	16907	Combined MH	Paved-Conc	48	4.0	Brick	1	1	0.8	0.4	1	4.2	4	16.8		2007	0145-0320
NS46-N	Rein	22106	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	5	14.5	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS48-1	Nine Mile Rd	16800	Combined MH	Paved-Asph	48	18.1	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS48-2	Piper Ave	22488	Combined MH	Paved-Conc	48	16.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS48-2NNW	Piper	22503	Catch Basin	Paved Concrete	24	5.2	Block	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Reset F&C w/Ext. Seal, Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NS48-3	Piper Ave	22176	Combined MH	Paved-Conc	48	14.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS48-3NNW	Piper	22405	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NS48-3NW	Piper	22405	Catch Basin	Paved Concrete	18	4.1	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Pavement Replacement, Reset F&C w/Ext. Seal, Vactor Clean, Remove Debris	2016	0145-0458
NS48-3SSW	Piper	22175	Catch Basin	Paved Concrete	18	4.8	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Reset F&C w/Ext. Seal, Pavement Replacement, Vactor Clean, Seal Wall Joints	2016	0145-0458
NS48-4	Piper Ave	22110	Combined MH	Paved-Conc	48	12.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS48-5	Piper Ave	21848	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS48-5SE	Rein	21848	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS48-6	Piper Ave	21808	Combined MH	Paved-Conc	48	10.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS48-7	Piper Ave	21730	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS48-8	Toepfer Rd	16805	Combined MH	Paved-Conc	48	3.7	Brick	1	1	0.8	0.4	1	4.2	4	16.8		2007	0145-0320
NS53-1	Nine Mile Rd		Combined MH	Paved-Asph	48	18.4	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS53-2	Shakespeare Ave	22484	Combined MH	Paved-Conc	48	16.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS53-3	Shakespeare Ave	22426	Combined MH	Paved-Conc	48	15.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS53-4	Shakespeare Ave	22176	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS53-5	Shakespeare Ave	22096	Combined MH	Paved-Conc	48	12.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS53-5NW	Shakespeare	22111	Catch Basin	Paved Concrete	24	4.1	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS53-6	Shakespeare Ave	21840	Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS53-6NE	Shakespeare, cb on Ash	22000	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS53-7	Shakespeare Ave	21810	Combined MH	Paved-Conc	48	9.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS53-8	Shakespeare Ave	21778	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS53-8NW	Shakespeare	21779	Catch Basin	Paved Concrete	24	4.6	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS53-9	Shakespeare Ave	21728	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS55-1SW	9 Mile	16546	Catch Basin	Paved Concrete	24	3.3	Combination	0.5	1	0.5	0.4	1	3.4	4	13.6	Replace Manhole	2016	0145-0458
NS59-1	Nine Mile Rd		Combined MH	Paved-Conc	48	25.7	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-10	Veronica Ave	15716	Combined MH	Paved-Conc	48	19.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-10-3	Veronica Ave	15394	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-10-5	Gratiot Ave	21330	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-10-6	Gratiot Ave	21330	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-11	Veronica Ave	15548	Combined MH	Paved-Conc	48	17.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-12	Veronica Ave	@ Crusade	Combined MH	Paved-Conc	48	18.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2007	0145-0320
NS59-12-1	Lincoln Ave	15505	Combined MH	Paved-Conc	48	13.5	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-12-1-1	Lincoln Ave	15548	Combined MH	Paved-Conc	48	9.5	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-12-2	Crusade Ave	21552	Combined MH	Paved-Conc	48	11.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-12-3	Toepfer Rd		Combined MH	Sidewalk	48	11.0	Precast	1	0.5	0.8	1	1	4.3	3	12.9		2016	0145-0458
NS59-12-4	Toepfer Rd		Combined MH	Sidewalk	48	8.6	Precast	1	0.5	0.8	0.8	1	4.1	2	8.2		2016	0145-0458
NS59-12-5	Toepfer Rd		Combined MH	Paved-Asph	48	5.0	Block	1	1	0.8	0.4	1	4.2	2	8.4		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-12-5A	Toepfer Rd	15580	Sanitary MH	Paved-Asph	48	7.5	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2007	0145-0320
NS59-12-6	Toepfer Rd		Combined MH	Paved-Conc	48	4.8	Block	1	1	0.8	0.4	1	4.2	3	12.6		2007	0145-0320
NS59-12-6SE	Jean	21561	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7		2016	0145-0458
NS59-13	Veronica Ave	15361	Combined MH	Paved-Conc	48	18.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14	Veronica Ave	15298	Combined MH	Paved-Conc	48	18.2	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-14-1	Gratiot Ave	21400	Combined MH	Paved-Asph	48	16.3	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-10	Gratiot Ave	@ Toepfer	Combined MH	Paved-Asph	48	11.9	Precast	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-14-11	Gratiot Ave	21728	Combined MH	Paved-Asph	48	11.9	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS59-14-12	Gratiot Ave	21754	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-12A	Gratiot Ave	21754	Combined MH	Paved-Asph	48	6.2	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458
NS59-14-13	Gratiot Ave	21800	Combined MH	Paved-Asph	48	13.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-14	Gratiot Ave	21800	Combined MH	Paved-Conc	48	11.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-15	Gratiot Ave	22044	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-16	Gratiot Ave	22048	Combined MH	Paved-Conc	48	10.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-14-16A	Gratiot Ave	22048	Combined MH	Paved-Asph	48	6.1	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458
NS59-14-16E	Chestnut	15526	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS59-14-17	Gratiot Ave	22130	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-14-2	Gratiot Ave	21500	Combined MH	Paved-Asph	60	17.2	Precast	1	1	1	1	0.5	4.5	2	9		2016	0145-0458
NS59-14-3	Gratiot Ave	21500	Combined MH	Paved-Asph	60	17.2	Precast	1	1	1	1	0.5	4.5	2	9		2016	0145-0458
NS59-14-4	Gratiot Ave	21500	Combined MH	Paved-Asph	60	16.9	Precast	1	1	1	1	0.5	4.5	2	9		2016	0145-0458
NS59-14-5	Gratiot Ave	21500	Combined MH	Paved-Asph	60	16.5	Precast	1	1	1	1	0.5	4.5	3	13.5		2016	0145-0458
NS59-14-6	Gratiot Ave	21530	Combined MH	Sidewalk	48	16.3	Brick	1	0.5	0.8	1	0.5	3.8	4	15.2		2016	0145-0458
NS59-14-7	Gratiot Ave	21650	Combined MH	Sidewalk	48	13.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-15	Gratiot Ave	21330	Combined MH	Sidewalk	48	18.8	Brick	1	0.5	0.8	1	1	4.3	3	12.9		2016	0145-0458
NS59-16	Veronica Ave		Sanitary MH	Paved-Conc	48	17.5	Precast	1	1	0.8	1	1	4.8	2	9.6		2007	0145-0320
NS59-16-1	Veronica Ave		Combined MH	Paved-Conc	48	16.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-16-1SE	Gratiot. Catch basin is on Veronica	21411	Catch Basin	Paved Concrete	24	4.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Seal Wall Joints	2016	0145-0458
NS59-16-2	Lincoln Ave		Combined MH	Paved-Asph	48	14.8	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-16-2-1	Lincoln Ave		Combined MH	Paved-Conc	48	14.0	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-16-2-2	Lincoln Ave	14920	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-16-2-2NW	Lincoln	14907	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-16-2-3	Lincoln Ave	14701	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-16-2-3A	Lincoln Ave		Combined MH	Paved-Conc	48	8.4	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-16-2-4			Combined MH	Yard-Front	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-16-2-4-1	Beechwood Ave	21535	Combined MH	Yard-Front	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-16-2A	Gratiot Ave	21543	Combined MH	Paved-Conc	48	13.7	Block	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-16-3	Toepfer Rd		Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-16-3-2	Toepfer Rd	15040	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-16-3-3	Toepfer Rd	15000	Combined MH	Paved-Conc	48	9.8	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-16-3-3A	Toepfer Rd		Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NS59-16-3-4	Toepfer Rd		Combined MH	Paved-Conc	48	8.3	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NS59-16-4	Gratiot Ave	21705	Combined MH	Sidewalk	48	12.5	Precast	1	0.5	0.8	1	1	4.3	2	8.6		2016	0145-0458
NS59-17	Veronica Ave		Combined MH	Paved-Conc	48	18.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-17-1	Veronica Ave	14970	Combined MH	Paved-Conc	48	10.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-17-1A	Veronica Ave		Combined MH	Paved-Conc	48	8.6	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-17-2	Veronica Ave	14740	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-17-3	Veronica Ave	14640	Combined MH	Paved-Conc	48	7.9	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-17A	Gratiot Ave	21319	Combined MH	Paved-Conc	48	18.0	Block	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-17B	Veronica Ave		Combined MH	Paved-Conc	48	11.3	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NS59-18	Collinson Ave		Combined MH	Paved-Conc	48	16.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-18-1	Collinson Ave	14850	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-18-2	Collinson Ave	14770	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-18-2NE	Collinson	14821	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Remove Debris	2016	0145-0458
NS59-18-2NW	Collinson	14770	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-19	Gratiot Ave	21145	Combined MH	Paved-Asph	48	17.6	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-1A	Boulder Ave	22476	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS59-2	Boulder Ave	22400	Combined MH	Paved-Conc	48	12.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-20-1	Gratiot Ave	21103	Combined MH	Paved-Conc	48	9.6	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-21	Agnes Ave		Combined MH	Paved-Conc	48	15.1	Brick	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NS59-21-1	Agnes Ave	14722	Combined MH	Paved-Conc	48	9.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-21-1NE	Agens	14725	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-21-2	Agnes Ave	14634	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-21-3	Beechwood Ave		Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-21-4	Beechwood Ave	21326	Combined MH	Paved-Conc	48	7.2	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-22-1	Lydia Ave	14740	Combined MH	Yard-Front	48	10.4	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-22-1A	Lydia Ave	14784	Combined MH	Yard-Front	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-22-2	Lydia Ave	14630	Combined MH	Yard-Front	48	8.4	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-22-2A	Lydia Ave	14674	Combined MH	Yard-Front	48	9.0	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-23	Gratiot Ave	21005	Combined MH	Driveway-Asph	48	14.1	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-24	Gratiot Ave	21007	Combined MH	Paved-Conc	48	14.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-24-1	Jacob Ave	14767	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-24-2	Jacob Ave	14706	Combined MH	Paved-Conc	48	10.5	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-24-3	Beechwood Ave		Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-24-4	Beechwood Ave		Combined MH	Paved-Conc	48	7.5	Block	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-25-1	Ego Ave	14636	Combined MH	Paved-Conc	48	9.7	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-25-2	Beechwood Ave		Combined MH	Paved-Conc	48	10.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-25-3	Beechwood Ave	20904	Combined MH	Paved-Conc	48	7.9	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-26	Juliana Ave	14725	Combined MH	Paved-Conc	48	12.9	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-26-1	Juliana Ave	14687	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-26-1S	Juliana	14710	Catch Basin	Paved Concrete	18	5.6	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458
NS59-26-1W	Juliana	14687	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole	2016	0145-0458
NS59-26-2	Juliana Ave	14630	Combined MH	Paved-Conc	48	8.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-27	Gratiot Ave	20777	Combined MH	Non-Paved	48	13.5	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-28	Gratiot Ave	20733	Combined MH	Paved-Conc	48	13.7	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-29	Gratiot Ave	20703	Combined MH	Paved-Asph	48	12.9	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-3	Boulder Ave	22154	Combined MH	Paved-Conc	48	22.1	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-30	Gratiot Ave	20703	Combined MH	Paved-Asph	48	13.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-5	Boulder Ave	21854	Combined MH	Paved-Conc	48	12.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-6	Toepfer Rd	16305	Combined MH	Paved-Conc	48	22.0	Brick	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-6-1	Boulder between Lincoln and Toepfer	16306	Combined MH	Paved Concrete	48	19.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS59-6-10	Sprenger	16405	Combined MH	Paved Asphalt	48	12.8	Combination	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS59-6-10SW	Sprenger	16224	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NS59-6-11	Boulder between Ego and Springer	16405	Combined MH	Yard Front	48	13.0	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Grout	2016	0145-0458
NS59-6-11-1	Ego	16077	Combined MH	Yard Back	48	10.9	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS59-6-11-2	Ego	16003	Combined MH		48	9.9	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel, Chimney Reconstruct	2016	0145-0458
NS59-6-12	Boulder between Juliana and Ego	16404	Combined MH	Yard Front	48	11.9	Combination	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Grout	2016	0145-0458
NS59-6-12-1	Ego	16084	Combined MH	Yard Back		12.1	None	1	0.5	0.5	1	0.5	3.5	3	10.5	Internal Chimney Seal	2016	0145-0458
NS59-6-13	Boulder at Juliana	16404	Combined MH	Yard Front	48	11.5	Combination	1	0.5	0.8	1	0.5	3.8	3	11.4	Reset F&C w/Ext. Seal, Internal Chimney Seal, Chimney Reconstruct, Grout	2016	0145-0458
NS59-6-13SW	Juliana but cb is on boulder	16404	Catch Basin	Paved Asphalt	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement, Remove Debris	2016	0145-0458
NS59-6-14	Boulder between Stricker and Juliana	16404	Combined MH	Yard Front	48	11.6	Combination	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Grout	2016	0145-0458
NS59-6-15	8 Mile	16435	Combined MH	Yard Front	48		Combination	1	0.5	0.8	0.2	0.5	3	3	9	Internal Chimney Seal, Grout	2016	0145-0458
NS59-6-15ANE	Stricker	16165	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-6-16	8 Mile	16435	Combined MH	Paved Asphalt	48	10.8	Precast	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal	2016	0145-0458
NS59-6-17	8 Mile	16145	Combined MH	Paved Concrete	48	8.0	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-6-1A	Toepfer	16140	Combined MH	Yard Back	48	13.3	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-6-1B	Toepfer	16110	Combined MH	Yard Back	48	10.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS59-6-2	Boulder N of Lincoln	16305	Combined MH	Paved Concrete	48	19.1	Precast	1	1	0.8	1	0.5	4.3	2	8.6	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS59-6-3	Boulder at Lincoln	16305	Combined MH	Paved Concrete	48	17.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-6-4	Boulder at Lincoln	16354	Combined MH	Yard Front	48	18.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Chimney Reconstruct, Seal Lift Holes	2016	0145-0458
NS59-6-5	Boulder between Collinson and Lincoln	16354	Combined MH	Paved Asphalt	48	17.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Seal Lift Holes	2016	0145-0458
NS59-6-5-2	Veronica	16085	Combined MH	Yard Back	48	10.6	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS59-6-5A	Lincoln	16404	Combined MH	Yard Back	48	11.9	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS59-6-5B	Veronica	21450	Combined MH	Paved Asphalt	48	16.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-6-6	Veronica at Boulder	16404	Combined MH	Paved Asphalt	48	15.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS59-6-7	Boulder between Collinson and Veronica	16405	Combined MH	Yard Front	48	15.2	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS59-6-8	Boulder at Collinson	16404	Combined MH	Paved Concrete	48	13.1	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Seal Lift Holes, Point Pipes	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-6-9	Boulder between Sprenger and Collinson	16405	Combined MH	Yard Front	48	13.4	Combination	1	0.5	0.8	1	0.5	3.8	3	11.4	Remove Debris, Grout	2016	0145-0458
NS59-6-9-2	Sprenger	16085	Combined MH	Yard Back	48	10.2	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS59-6A	Toepfer Rd	16305	Combined MH	Paved-Asph	48	12.0	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS59-6A-A	Toepfer Rd	16315	Combined MH	Yard-Front	48	14.4	Precast	1	1	0.8	1	1	4.8	2	9.6		2016	0145-0458
NS59-6B	Toepfer Rd	16343	Combined MH	Paved-Asph	48	7.8	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NS59-6B-B	Toepfer Rd	16501	Combined MH	Sidewalk	48	9.4	Precast	1	0.5	0.8	1	1	4.3	2	8.6		2016	0145-0458
NS59-7	Redmond Ave	21704	Combined MH	Yard-Side	48	20.3	Brick	1	0.5	0.8	1	1	4.3	3	12.9		2016	0145-0458
NS59-7-0-2	Glander Ave	15590	Combined MH	Yard-Back	48	13.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-7-1	Redmond Ave	21822	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-7-1SW	Redmond, West curb	21822	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS59-7-2	Redmond Ave	21928	Combined MH	Paved-Conc	48	9.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-7-2A	Redmond Ave	21934	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-7-2ANW	Ash, cb on Redmond	15772	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NS59-7-2BNW	Redmond	21898	Catch Basin	Paved Concrete	18	4.7	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-7-2BS	Redmond	21846	Catch Basin	Paved Concrete	18	4.6	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS59-7-2BSW	Chestnut	15710	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement, Chimney Reconstruct	2016	0145-0458
NS59-8	Redmond Ave	21452	Combined MH	Paved-Conc	48	19.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct, Point Pipes	2016	0145-0458
NS59-8-0	Virginia	21171	Combined MH	Paved Concrete	48	15.9	Precast	1	1	0.8	1	0.5	4.3	3	12.9	Reset F&C w/Ext. Seal, Chimney Reconstruct	2016	0145-0458
NS59-8-0-2NNE	Virginia	21063	Catch Basin	Paved Asphalt	22	4.9	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS59-8-0-4	Virginia	20813	Combined MH	Yard Front	48	11.3	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS59-8-0-6	Virginia	20703	Combined MH	Paved Concrete	48	8.8	Precast	1	1	0.8	0.8	0.5	4.1	2	8.2		2016	0145-0458
NS59-8-0-6N	Virginia	20723	Catch Basin	Paved Concrete	21	2.1	Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Chimney Reconstruct, Seal Wall Joints	2016	0145-0458
NS59-8-2	Redmond Ave	21216	Combined MH	Paved-Conc	48	13.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-8-3	Redmond @ Ego	20850	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-8-3-1	Ego Ave	20951	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-8-3A	Redmund on Ego Ave	209520	Combined MH	Paved-Conc	48	8.4	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS59-8-4	Redmond Ave	20920	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-8-5	Redmond Ave	20840	Combined MH	Paved-Conc	48	10.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-8-6	Redmond Ave	20726	Combined MH	Paved-Conc	48	8.7	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4	Replace Cone Section	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-8-7	Redmond Ave	20710	Combined MH	Driveway Concrete	48	8.6	Brick	1	0.5	0.8	0.8	0.5	3.6	3	10.8	Replace Cone Section	2016	0145-0458
NS59-9	Universal Ave	21340	Combined MH	Paved-Conc	48	20.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-0	Universal Ave		Combined MH	Sidewalk	48	15.5	Brick	1	0.5	0.8	1	0.5	3.8	4	15.2		2016	0145-0458
NS59-9-0-1	Universal Ave		Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-0-1A	Universal Ave		Combined MH	Paved-Asph	48	8.8	Brick	1	1	0.8	0.8	1	4.6	4	18.4		2016	0145-0458
NS59-9-0-2	Lincoln Ave	15612	Combined MH	Paved-Conc	48	11.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-0-2A	Toepfer Rd		Combined MH	Yard-Front	48	7.1	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS59-9-0-2B	Toepfer Rd		Combined MH	Paved-Asph	48	6.0	Block	1	1	0.8	0.6	1	4.4	3	13.2		2016	0145-0458
NS59-9-0-2BB	Toepfer Rd		Combined MH	Two-Lane	48	7.5	Brick	1	1	0.8	0.8	1	4.6	4	18.4		2016	0145-0458
NS59-9-0-3	Lincoln Ave	15545	Combined MH	Paved-Conc	48	9.7	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-0-3A	Jean Ave	21551	Combined MH	Paved-Conc	48	8.4	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-0-4	Lincoln Ave	15505	Combined MH	Paved-Conc	48	8.4	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-0-5	Crusade Ave	21552	Combined MH	Paved-Conc	48	7.5	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-1	Universal Ave	21252	Combined MH	Paved-Conc	48	19.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-11	Eight Mile Rd	15297	Combined MH	Paved-Asph	48	6.4	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458
NS59-9-1-1	Collinson Ave	15674	Combined MH	Paved-Conc	48	16.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-1-2	Sprenger Ave	15674	Combined MH	Yard-Back	48	16.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-12A	Stricker Ave	15311	Combined MH	Paved-Conc	48	8.8	Precast	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-1-4	Collinson Ave	15416	Combined MH	Paved-Conc	48	9.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-1-4A	Collinson Ave	15416	Sanitary MH	Paved-Conc	48	5.4	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-15	Eight Mile Rd	15205	Combined MH	Paved-Conc	48	10.0	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-1-5AN	Collinson	15361	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Pavement Replacement, Remove Debris, Reset F&C w/Ext. Seal, Chimney Reconstruct	2016	0145-0458
NS59-9-16	Eight Mile Rd	15005	Combined MH	Paved-Asph	48	10.3	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-1-6A	Collinson Ave	15237	Sanitary MH	Driveway-Conc	48	5.5	Brick	1	0.5	0.8	0.6	0.5	3.4	4	13.6		2007	0145-0320
NS59-9-1-6BE	Collinson	15303	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole, Pavement Replacement, Remove Debris	2016	0145-0458
NS59-9-17	Gratiot Ave	20840	Combined MH	Driveway-Conc	48	8.8	Precast	1	0.5	0.8	0.8	0.5	3.6	3	10.8		2016	0145-0458
NS59-9-1-7	Gratiot Ave	21230	Combined MH	Paved-Conc	48	11.7	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-1-8	Gratiot Ave	21250	Combined MH	Paved-Conc	48	10.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-1A	Veronica Ave		Combined MH	Paved-Conc	48	19.8	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-9-1AA	Veronica Ave		Sanitary MH	Paved-Conc	48	20.4	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2007	0145-0320
NS59-9-1B	Veronica Ave	15615	Combined MH	Paved-Conc	48	17.8	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-9-1C	Veronica Ave	15505	Combined MH	Paved-Conc	48	18.5	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-1D	Veronica Ave	15329	Combined MH	Paved-Conc	48	18.2	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS59-9-1E	Gratiot Ave	21330	Combined MH	Paved-Conc	48	18.6	Precast	1	1	0.8	1	1	4.8	3	14.4		2016	0145-0458
NS59-9-2	Universal Ave	21058	Combined MH	Paved-Conc	48	16.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-2-1	Sprenger Ave	15714	Combined MH	Paved-Conc	48	14.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-2-4	Sprenger Ave	15416	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-2-4AN	Sprenger but cb is on crusade	15417	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Internal Chimney Seal	2016	0145-0458
NS59-9-2-4ANNE	Springer but cb is on crusade	15505	Catch Basin	Paved Concrete	18	4.1	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS59-9-2-6	Sprenger Ave	15132	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-2-6A	Sprenger Ave	15161	Sanitary MH	Paved-Conc	48	6.1	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-2-7	Gratiot Ave	21030	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-2-7A	Gratiot Ave	21030	Combined MH	Paved-Conc	48	10.9	Block	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-3	Universal Ave	20952	Combined MH	Paved-Conc	48	14.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-3-1	Ego Ave	15714	Combined MH	Yard-Front	48	11.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-3-4	Ego Ave	15416	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-3-4A	Ego Ave	15410	Sanitary MH	Paved-Conc	48	6.5	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-3-6	Ego Ave	15290	Combined MH	Paved-Conc	48	9.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-3-6A	Ego Ave	15290	Sanitary MH	Paved-Asph	48	5.8	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-3-8	Gratiot Ave	20958	Combined MH	Paved-Asph	48	10.5	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-3-9	Gratiot Ave	20980	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS59-9-4	Universal Ave	20852	Combined MH	Paved-Conc	48	13.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-4-1	Juliana Ave	15714	Combined MH	Paved-Conc	48	11.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-4-2	Stricker Ave	15773	Combined MH	Yard-Back	48	12.5	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-4-4	Juliana Ave	15414	Combined MH	Paved-Conc	48	9.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-4-6	Juliana Ave	15300	Combined MH	Paved-Conc	48	9.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-4-7	Juliana Ave	15303	Sanitary MH	Paved-Conc	48	6.7	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9-5	Universal Ave	20794	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS59-9-5-1	Eight Mile Rd	15921	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-5A	Eight Mile Rd	15843	Combined MH	Paved-Conc	48	12.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS59-9-6	Eight Mile Rd	15827	Combined MH	Yard-Back	48	13.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-6A	Universal Ave	20727	Sanitary MH	Paved-Conc	48	6.0	Brick	1	1	0.8	0.6	0.5	3.9	3	11.7		2007	0145-0320
NS59-9-7	Eight Mile Rd	15827	Combined MH	Yard-Back	48	13.2	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-8	Eight Mile Rd	15640	Combined MH	Yard-Back	48	13.4	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS59-9-9	Stricker Ave	15400	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS59-9-9A	Crusade Ave	15504	Sanitary MH	Paved-Conc	48	6.1	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2007	0145-0320
NS59-9A	Universal Ave	21340	Combined MH	Paved-Conc	48	19.5	Precast	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS61-1	Nine Mile Rd	16226	Combined MH	Paved-Asph	48	17.1	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS61-1-1	Nine Mile Rd	16304	Combined MH	Paved-Asph	48	11.4	Brick	1	1	0.8	1	1	4.8	4	19.2		2016	0145-0458
NS61-1-10	Boulder Ave	21732	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS61-1-2	Boulder Ave	22516	Combined MH	Paved-Conc	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS6-11-2-2	Schroeder Ave	21830	Combined MH	Yard-Front	48	8.7	Precast	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS61-1-3	Boulder Ave	22438	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-11-3	Normandy Ave	21724	Combined MH	Paved-Conc	48	13.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS61-1-4	Boulder Ave	22414	Combined MH	Paved-Conc	48	24.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-11-4	Brittany Ave	21724	Combined MH	Paved-Conc	48	12.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS61-1-5	Boulder Ave	22180	Combined MH	Paved-Conc	48	10.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-11-5	Gascony Ave	21724	Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS61-1-6	Boulder Ave	22102	Combined MH	Paved-Conc	48	8.6	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS6-11-6	Tuscany Ave	21730	Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS61-1-6A	Boulder Ave	22060	Combined MH	Paved-Conc	48	8.1	Precast	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS61-1-7	Boulder Ave	22018	Combined MH	Paved-Conc	48	10.1	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-11-7	Lambrecht Ave	21728	Combined MH	Paved-Asph	48	11.1	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS61-1-8	Boulder Ave	21840	Combined MH	Paved-Conc	48	22.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS61-1-9	Boulder Ave	21778	Combined MH	Paved-Conc	48	9.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS6-11-9	Toepfer Rd	17363	Combined MH	Paved-Asph	48	11.0	Brick	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS61-2	Nevada Ave	22460	Sanitary MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2007	0145-0320

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS61-3	Nevada Ave	22188	Combined MH	Paved-Conc	48	13.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-13-10	Lincoln	16829	Combined MH	Paved Concrete	48	17.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal	2016	0145-0458
NS6-13-11-3	Lincoln	16544	Combined MH	Yard Back	48	13.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-11-5	Veronica	16475	Combined MH	Yard Back	48	9.1	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-12	Veronica	16831	Combined MH	Paved Concrete	48	16.5	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-13	Victoria	16850	Combined MH	Yard Back	48	18.1	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-13-3	Collinson	16545	Combined MH	Yard Back	48	12.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-13-4	Veronica	16464	Combined MH	Yard Back	48	10.1	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-14	Collinson	16835	Combined MH	Paved Concrete	48	16.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-15	Collinson	16846	Combined MH	Yard Front	48	17.3	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-15-3	Sprenger	16545	Combined MH	Yard Back	48	11.5	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Chimney Reconstruct	2016	0145-0458
NS6-13-16	Sprenger	16846	Combined MH	Paved Concrete	48	15.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-17-3	Ego	16545	Combined MH	Yard Back	48	11.6	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-19	Lincoln	16837	Combined MH	Yard Back	60	20.1	Brick	1	0.5	1	1	0.5	4	3	12		2016	0145-0458
NS6-13-19-2	Ego	16704	Combined MH	Paved Concrete	48	9.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-19-2A	Juliana	16704	Manhole	Paved Concrete	48	5.3	Brick	1	1	0.8	0.6	0.5	3.9	3	11.7	Internal Chimney Seal, Chimney Reconstruct, Point Pipes	2016	0145-0458
NS6-13-19-2B	Sprenger	16545	Combined MH	Yard Back	48	10.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-19-3	Sprenger	16535	Combined MH	Yard Back	48	10.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-19-4	Juliana	16515	Combined MH	Yard Back	48	9.7	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-19-5	Stricker	16465	Combined MH	Yard Back	48	10.8	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458
NS6-13-20	Juliana	16827	Combined MH	Paved Concrete	48	13.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Chimney Reconstruct	2016	0145-0458
NS6-13-21-2	Juliana	16704	Combined MH	Paved Concrete	48	8.8	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-21-3	Stricker	16535	Combined MH	Yard Back	48	10.1	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-23	Stricker	16832	Combined MH	Paved Concrete	48	12.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-26	Shakespeare	16704	Combined MH	Paved Concrete	48	11.7	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS6-13-26A	Stricker	16704	Manhole	Paved Concrete	48	4.7	Brick	1	1	0.8	0.4	0.5	3.7	3	11.1	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-26B	Stricker	16707	Manhole	Paved Concrete	48	5.6	Brick	1	1	0.8	0.6	0.5	3.9	3	11.7	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-13-26BNW-1	Stricker	16465	Catch Basin	Paved Concrete	20		Block	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Seal Wall Joints, Remove Debris	2016	0145-0458
NS6-13-27	8 Mile	16545	Combined MH	Yard Back	48	12.0	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS6-13-28	8 Mile	16485	Combined MH	Yard Back	48	8.3	Precast	1	0.5	0.8	0.8	0.5	3.6	3	10.8	Internal Chimney Seal	2016	0145-0458
NS6-13-3ANW	Lincoln	17445	Catch Basin	Paved Concrete	18	3.0	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS6-13-6-2-1	Veronica	17074	Combined MH	Yard Back	48	12.8	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS6-13-6-5-1	Ego Ave	17086	Combined MH	Yard Back	48	12.7	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4	Install Bench, Install Channel	2016	0145-0458
NS6-13-9-2-1NW	Toepfer	16554	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	1	3.6	4	14.4	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS6-13-9-3	Lincoln	16525	Combined MH	Yard Back	48	10.9	Brick	1	0.5	0.8	1	0.5	3.8	3	11.4		2016	0145-0458
NS61-3S	Nevada	22188	Catch Basin	Paved Concrete	18	5.8	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Vactor Clean, Remove Debris, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS61-4	Nevada Ave	22106	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-1-4AW	Holland, CB on north curb	18130	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS61-5	Nevada Ave	21848	Combined MH	Paved-Conc	48	10.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-15-4	Collinson	17303	Combined MH	Paved Concrete	48	8.1	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Internal Chimney Seal, Chimney Reconstruct	2016	0145-0458
NS6-15-4A	Collinson at David	17307	Manhole	Paved Concrete	72	5.6	Brick	1	1	1	0.6	0.5	4.1	3	12.3	Chimney Reconstruct, Internal Chimney Seal	2016	0145-0458
NS61-5N	Nevada	22004	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Remove Debris, Vactor Clean	2016	0145-0458
NS61-5NW	Nevada	22007	Catch Basin	Paved Concrete	18	5.4	Precast	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Replace Manhole, Vactor Clean, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS61-5S	Nevada	21842	Catch Basin	Paved Concrete	18	4.5	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Chimney Reconstruct, Vactor Clean, Pavement Replacement	2016	0145-0458
NS61-6	Nevada Ave	21778	Combined MH	Paved-Conc	48	9.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS6-16-4	Sprenger	17307	Combined MH	Paved Concrete	48	9.2	Brick	1	1	0.8	1	0.5	4.3	3	12.9	Internal Chimney Seal	2016	0145-0458
NS6-16-4A	David at Sprenger	17307	Manhole	Paved Concrete	48	5.6	Brick	1	1	0.8	0.6	0.5	3.9	3	11.7	Internal Chimney Seal, Point Pipes	2016	0145-0458
NS6-16-4ASE	Sprenger	17304	Catch Basin	Paved Concrete	18	4.9	Combination	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Chimney Reconstruct, Pavement Replacement, Replace Manhole	2016	0145-0458
NS61-7	Nevada Ave	21714	Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS6-17-3	Ego on David	17303	Combined MH	Paved Concrete	48	8.5	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Chimney Reconstruct	2016	0145-0458
NS61-8	Nevada Ave	21706	Combined MH	Paved-Conc	48	6.4	Precast	1	1	0.8	0.6	1	4.4	3	13.2		2016	0145-0458
NS6-18-2	Juliana on David	17305	Combined MH	Paved Concrete	48	8.9	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3	Internal Chimney Seal, Point Pipes, Pavement Replacement	2016	0145-0458
NS6-2-1ASE	Empire	18502	Catch Basin	Paved Concrete	18	3.1	Precast	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS6-24SW	8 mile	17001	Catch Basin	Paved Concrete	24	4.2	Block	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS63-2	Virginia Ave	22474	Combined MH	Paved-Conc	48	16.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-2-1	Etheyn Ct	16100	Combined MH	Paved-Conc	48	9.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-2-2	Gratiot Ave	22556	Combined MH	Paved-Conc	48	7.8	Brick	1	1	0.8	0.8	0.5	4.1	4	16.4		2016	0145-0458
NS6-3-2AN	Oak. CB on Rosalind	18203	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3		2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS63-2NNW	Virginia	22606	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-2SW	Virginia	22461	Catch Basin	Paved Concrete	18	4.0	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement, Replace Frame	2016	0145-0458
NS63-3	Virginia Ave	22404	Combined MH	Paved-Conc	48	15.0	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-3-1	Oak Ave	15910	Combined MH	Paved-Conc	48	12.7	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-3-1SW	Oak	15910	Catch Basin	Paved Concrete	18	4.3	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-3-2	Oak Ave	15888	Combined MH	Paved-Conc	48	12.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-3-3	Gratiot Ave	22500	Combined MH	Paved-Conc	48	12.3	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-3-4	Gratiot Ave	22500	Combined MH	Paved-Conc	48	12.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-3N	Virginia	22404	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-3S	Virginia	22246	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-3SW	Virginia, cb on Oak	22247	Catch Basin	Paved Concrete	18	6.0	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Reset F&C w/Ext. Seal, Pavement Replacement	2016	0145-0458
NS63-4	Virginia Ave	22166	Combined MH	Paved-Conc	48	13.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-4-1	Mok Ave	15750	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-4-1N	Mok		Catch Basin	Paved Concrete			Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole, Reset F&C w/Ext. Seal, Internal Chimney Seal, Remove Debris, Pavement Replacement	2016	0145-0458
NS63-4-2A	Mok Ave	15678	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-4-3	Gratiot Ave	22340	Combined MH	Paved-Conc	48	10.3	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-4-4	Gratiot Ave	22422	Combined MH	Paved-Conc	48	9.8	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-5	Virginia Ave	22068	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-5-1	Couzens Ave	15772	Combined MH	Paved-Conc	48	10.0	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-5-2	Couzens Ave	15696	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-5-3	Gratiot Ave	22322	Combined MH	Paved-Conc	48	10.6	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-5-3A	Gratiot Ave	22322	Combined MH	Paved-Asph	48	12.0	Precast	1	1	0.8	1	0.5	4.3	2	8.6		2016	0145-0458
NS63-5-3SE	Couzens	15634	Catch Basin	Paved Concrete	18	5.5	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458
NS63-5-4	Gratiot Ave	22322	Combined MH	Paved-Conc	48	9.8	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-5S	Virginia	22058	Catch Basin	Paved Concrete	18	4.7	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS63-5SW	Virginia	22057	Catch Basin	Paved Concrete	24	3.3	Block	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Seal Wall Joints, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS63-6	Virginia Ave	21846	Combined MH	Paved-Conc	48	11.4	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-6-1	Ash Ave	21934	Combined MH	Paved-Conc	48	9.9	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-6-1WNW	Ash	15772	Catch Basin	Paved Concrete	18	5.2	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole	2016	0145-0458

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								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS63-6-2	Ash Ave	15704	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-6-2S	Ash	15704	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
NS63-6-3	Gratiot Ave	22150	Combined MH	Paved-Conc	48	11.9	Brick	1	1	0.8	1	0.5	4.3	3	12.9		2016	0145-0458
NS63-6-4	Gratiot Ave	22150	Combined MH	Paved-Conc	48	11.2	Brick	1	1	0.8	1	0.5	4.3	4	17.2		2016	0145-0458
NS63-6E	Virginia	21846	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Remove Debris	2016	0145-0458
NS63-6NE	Virginia	22008	Catch Basin	Paved Concrete				0.5	1	0.5	0.2	0.5	2.7	4	10.8	Remove Debris, Vactor Clean	2016	0145-0458
NS63-7	Virginia Ave	21776	Combined MH	Paved-Conc	48	9.0	Brick	1	1	0.8	0.8	0.5	4.1	3	12.3		2016	0145-0458
NS63-8	Virginia Ave	21716	Combined MH	Paved-Conc	48	7.0	Brick	1	1	0.8	0.6	0.5	3.9	4	15.6		2016	0145-0458
NS63-8ANNE	Virginia	22028	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
NS64-1W	Gratiot (on 9 Mile)	22301	Catch Basin	Paved Concrete	24	2.4	Block	0.5	1	0.5	0.2	1	3.2	3	9.6	Chimney Reconstruct, Pavement Replacement, Point Pipes, Seal Wall Joints	2016	0145-0458
NS6-6-7-2	Veronica	16084	Combined MH	Yard Back	48	9.1	Precast	1	0.5	0.8	1	0.5	3.8	3	11.4	Internal Chimney Seal, Install Bench, Install Channel	2016	0145-0458
NS6-6NNW	Curtain	18283	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Replace Manhole, Pavement Replacement	2016	0145-0458
NS67-8-1BE	Mihelich	22095	Catch Basin	Paved Concrete	42	3.2	Block	0.5	1	0.8	0.4	0.5	3.2	3	9.6	Internal Chimney Seal, Point Pipes, Seal Wall Joints	2016	0145-0458
NS67-8W	Crescentwood	15138	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458
NS68-2SW	Elmwood	22375	Catch Basin	Paved Concrete	18	4.9	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Reset F&C w/Ext. Seal, Replace Manhole, Pavement Replacement	2016	0145-0458
NS68-4SW	Elmwood	22145	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS69-4S	Hayes	22126	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	1	3.2	3	9.6	Vactor Clean	2016	0145-0458
NS69-6NE	Crescentwood, cb on Hayes	15005	Catch Basin	Paved Concrete	24	4.8	Block	0.5	1	0.5	0.4	1	3.4	4	13.6	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS69-6NNW	Crescentwood, cb on Hayes	14941	Catch Basin	Paved Concrete	22	3.9	Block	0.5	1	0.5	0.4	1	3.4	4	13.6	Vactor Clean, Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS69-6NW	Crescentwood	14941	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	1	3.6	3	10.8	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS71-11N	Oakwood	21828	Catch Basin	Paved Concrete	18	5.1	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Chimney Reconstruct, Pavement Replacement, Vactor Clean	2016	0145-0458
NS71-12	Toepfer Rd	14740	Combined MH	Paved-Conc	48	8.7	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NS71-12-1	Toepfer Rd	14700	Combined MH	Paved-Conc	48	8.4	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NS71-12-2	Toepfer Rd		Combined MH	Paved-Conc	48	7.6	Brick	1	1	0.8	0.8	1	4.6	2	9.2		2016	0145-0458
NS71-12A	Toepfer Rd	14840	Combined MH	Paved-Conc	48	8.2	Brick	1	1	0.8	0.8	1	4.6	3	13.8		2016	0145-0458
NS71-12N	Toepfer but cb is on oakwood	14740	Catch Basin	Paved Concrete	18		Combination	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole, Remove Debris	2016	0145-0458
NS71-8SW	Oakwood	22061	Catch Basin	Paved Concrete	18	2.4	Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS71-9N	Oakwood	22006	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Replace Manhole, Pavement Replacement	2016	0145-0458
NS71-9SE	Crescentwood	14802	Catch Basin	Paved Concrete	18	4.8	Other	0.5	1	0.5	0.4	0.5	2.9	4	11.6	Replace Manhole	2016	0145-0458

MHNum	Street	Address	Structure Type	MHLoc	MHDiam	MHDepth	WallConst	Consequence of Failure (COF) Criteria					Consequence of Failure (COF) Score	Structural PACP Rating/ POF Score	Criticality Score (BRE)	Recommendations	Last Inspection	Job Number
								Structure Type	Physical Location	Structure Size	Structure Depth	Road Type						
NS71-9W	Oakwood	21979	Catch Basin	Paved Concrete	18	4.4	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Chimney Reconstruct, Pavement Replacement	2016	0145-0458
NS74-3W	Firwood	22309	Catch Basin	Paved Concrete	18	6.3	Other	0.5	1	0.5	0.6	0.5	3.1	3	9.3	Vactor Clean, Internal Chimney Seal	2016	0145-0458
NS74-5E	Firwood	22010	Catch Basin	Paved Concrete	18	5.7	Other	0.5	1	0.5	0.6	0.5	3.1	4	12.4	Replace Manhole, Pavement Replacement, Vactor Clean	2016	0145-0458
NS76-3SW	Beechwood	22153	Catch Basin	Paved Concrete	18	0.0	Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Remove Debris, Raise	2016	0145-0458
NS76-5NW	Beechwood	22003	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	3	8.1	Vactor Clean	2016	0145-0458
NS76-5SW	Beechwood	21975	Catch Basin	Paved Concrete	18	2.5	Block	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Vactor Clean, Reset F&C w/Ext. Seal, Seal Wall Joints, Chimney Reconstruct, Replace Manhole, Remove Debris, Pavement Replacement	2016	0145-0458
NS76-6SW	Beechwood	21949	Catch Basin	Paved Concrete	18	4.2	Other	0.5	1	0.5	0.4	0.5	2.9	3	8.7	Replace Manhole	2016	0145-0458
NS76-7S	Beechwood	21830	Catch Basin	Paved Concrete	18		Other	0.5	1	0.5	0.2	0.5	2.7	4	10.8	Replace Manhole	2016	0145-0458
B19-0-1	Juliana	18050	Manhole	Paved Concrete	0	10.3	Precast	1	1	0.5	1	0.5	4	2	8	Internal Chimney Seal, Remove Calcite Buildup	2016	0145-0458
B9-1-1	Toepfer	19005	Manhole	Yard Side	36	11.9	Precast	1	0.5	0.5	1	1	4	2	8		2016	0145-0458
B9-2	Toepfer	18175	Manhole	Paved Concrete	48		Precast	1	1	0.8	0.2	1	4	2	8	Internal Chimney Seal, Remove Debris, Install Drop Connection	2016	0145-0458
NN29-3	Semrau Ave		Combined MH	Paved-Conc	24	19.6	Brick	1	1	0.5	1	0.5	4	2	8		2016	0145-0458
NS59-8-1	Redmond Ave	21346	Combined MH	Paved-Conc		16.3		1	1	0.5	1	0.5	4	2	8		2016	0145-0458
NS6-11-4A	Brittany Ave	21706	Combined MH	Paved-Conc	48		None	1	1	0.8	0.2	1	4	2	8		2007	0145-0320
NS6-11-5A	Gascony Ave	21706	Combined MH	Paved-Conc	48		Brick	1	1	0.8	0.2	1	4	2	8		2007	0145-0320