



**City of Woonsocket
Sewer Collection System**

Annual Report

2011

As per EPA order No. 07-035, the City of Woonsocket is pleased to submit their third Wastewater Collection System Annual Report. During calendar year 2011, the City of Woonsocket made progress in many areas at the collection system such as flushing and cleaning, CCTV, controlling fat & oil and grease, and spot repairs of more than 31 segments of sewer lines to reduce I/I impact by an estimated 359,040 gpd during wet season. The City spent over \$341,300 for the repairs to the 32 segments of the sewer lines.

This report follows the format required by the EPA Order of 07-035:

A) Summary listing of all SSO:

During calendar year 2011, the System has received a total of 66 complaints of which 26 complaints were reportable SSO.

The table below summarizes the details of all complaints and other activities by the Sewer Division (including blockages, pipe repairs, debris removal, and jetted storm drains)

Table 1 –A
Summary

MONTH	TOTAL COMPLAINTS	TOTAL SSO	TOTAL # OF CITY SEWER BLOCKAGES	TOTAL # OF HOMEOWNER BLOCKAGES	TOTAL # OF HOMEOWNER SSO	OTHER COMPLAINT ISSUES	TOTAL PIPE REPAIRS	TOTAL I/I REMOVED (GPD)	DEBRIS REMOVED (TONS)	JETTED STORM DRAINS IN (FT)	REPLACED MANHOLE COVERS
January-10	12	3	1	5	2	6	1	0	0	0	1
February-10	6	5	0	6	5	0	1	0	10.55	0	1
March-10	2	1	0	2	1	1	0	0	38.55	0	1
April-10	4	0	0	2	0	1	0	0	14.31	423	0
May-10	10	3	1	2	1	7	0	0	0	0	0
June-10	2	1	0	1	1	1	0	0	0	0	0
July-10	7	2	1	3	4	3	13	10080	0	0	0
August-10	5	0	0	0	0	5	15	48960	0	0	2
September-10	4	2	0	2	2	1	0	0	0	0	0
October-10	7	3	0	2	2	5	1	300000	10.93	0	0
November-10	5	4	2	2	1	1	0	0	38.09	0	0
December-10	2	2	0	2	2	0	0	0	22.14	0	3
Totals	66	26	5	29	21	31	31	359040	134.57	423	8

5/1/2011	6:00 PM	6:25 PM	236 Mason Street	Bob Lussier		Basement	.5 gal	Blocked lateral
5/23/2011	1:00 PM	1:15 PM	155 Boyden Street	Susan Gurdo-Burke	508-400-3302	Basement	1 gal	Rags in Sewer main
6/13/2011	1:30 p.m.	2:15 p.m.	75 South Street	Mark Marvino	401-692-6818	Basement	1 gal	Blocked lateral
7/5/2011	8:01 a.m.	8:45 a.m.	121 Talcott Street	Brian Vartanian		Basement	.5 gal	Blocked lateral
7/5/2011	4:00 p.m.	4:23 p.m.	269 Walnut Hill Road	Robbie Comire	401-597-5004	Basement	2 gal	Blocked lateral
7/7/2011	2:00 p.m.	2:20 p.m.	269 Walnut Hill Road	Robbie Comire	401-597-5004	Basement	2 gal	Blocked lateral
7/20/2011	5:50 p.m.	6:30 p.m.	28 Angel Street	Barry Honois	401-787-0572	Basement bathroom	2 gal	Blocked lateral
7/31/2011	3:00 p.m.	3:15 p.m.	Intersections of First Ave. & Chestnut St.	City of Woonsocket		Excavation site	920,000 gal	Broken sewer main
9/8/2011	2:16 p.m.	2:45 p.m.	26 Virginia Avenue	Pauline Lekatsas	401-741-9724	Basement	5 gal	Blocked lateral
9/13/2011	12:00 p.m.	12:15 p.m.	317 Third Avenue	Mr. Sarde	401-447-0379	Basement	1 gal	Roots in lateral
10/3/2011	9:58 a.m.	10:30 a.m.	286 Grandview Avenue	Silvia Barthew	401-769-1623	Basement	.5 gal	Blocked lateral
10/31/2011	2:00 p.m.	2:43 p.m.	80 Fabien Street	Adult Day Care Center	401-229-9752	Basement	5 gal	Blocked lateral
11/3/2011	12:15 p.m.	12:30 p.m.	64 East Street			Basement apartments	10 gals	Grease

11/10/2011	11:00 p.m.	11:30 p.m.	173 - 193 Sayles Street			Basement apartments	15 gals	Vandalism
11/25/2011	4:00 p.m.	4:45p.m.	164 Dana Street	Jerry Cardone	401-762-2523	Bathroom	.5 gal	Blocked lateral
12/13/2011	2:52 p.m.	3:25 p.m.	87 Manville Road	Sandra Stone	401-762-9269	Basement	20 gals	Blocked lateral
12/19/2011	2:30 p.m.	2:50 p.m.	52 Rustic Drive	Dorothy Stothard	401-762-0621	Basement	1 gal	Blocked lateral

B) Other activities

1. Flushing and Cleaning:

During the calendar year 2011 the city through its contractor Veolia Water NA (VWNA) flushed and cleaned a total of 119,375 feet of sewer lines. In the past three years the city has flushed and cleaned 338,272 feet of lines. To date the city has flushed and cleaned a total of 475,647 feet of lines This cleaned footage reflect that 78.1% of the entire sewer system has been cleaned. It must also be noted that during this reporting year, VWNA removed over 134.57 tons of debris from the sewer system

2. CCTV:

During the year 2011, VWNA has done CCTV on a total of 161,054 feet of lines To date a total of 451,516 feet of sewer lines have been CCTV. This footage reflects that 77.0% of the system was CCTV. All CCTV were conducted according to PACP protocol.

3. Manhole inspection:

During the year 2011, VWNA inspected a total of 738 manholes. To date 1,867 manholes have been inspected. This total reflects that 53.3% of manholes were inspected. All manholes inspection were conducted in accordance to NASSCO's standard The actions of the City of Woonsocket to reduce SSO during 2011 are as follow:

1. Infiltration:

In 2009 the City of Woonsocket entered a 10 years contract with Veolia Water NA (VWNA) to maintain and operate its wastewater collection system. Under the term of the contract, VWNA will clean and flush 120,000 feet of sewer pipes every year. The contract also requires VWNA to CCTV 58,000 feet per year as well as an additional 66,000 feet per year for the next three years in order to CCTV all the 23 areas identified as high priority areas in the 2006 flow study (Attachment B). **The above table shows that VWNA, CCTV a total of 161,054 feet.**

a) In 2011, The City authorized Veolia Water to perform spot repairs at 30 locations. Some locations were identified and classified as gushers and some locations were identified as structural defects. (Attachment C). Veolia Water has already completed all the spot repairs. It is estimated that these spot repairs reduced the amount of infiltrations by 59,040 gallons per day.

b) Cross Country Swamp Area:

The City completed cleaning, CCTV and relining 2,115 feet of sewer pipes of cross country in a swamp area including rising and installing some manholes. This project was financed by SRF loan.

In addition the City contracted Veolia Water to reline 792 feet, (the remaining segment of the above project). The reduction of infiltration during the wet season in above two projects is estimated at 300,000 gallons per day. The total cost for both projects is \$291,500

2. Inflow:

The 2006 flow study shows that there were 19 areas in the City which exceeding 6,000 g/in-mi (Copy enclosed) (Attachment B). The City focused on the highest eight areas and authorized VWNA to conduct smoke testing.

The City also authorized Veolia to install inserts at manhole which has holes of 18 or more. This reporting year, Veolia installed 100 inserts.

GIS Mapping

The City of Woonsocket converted their entire sewer mapping to GIS in 2007. The City continues to upgrade the GIS and the last upgrade was done in April 2011.

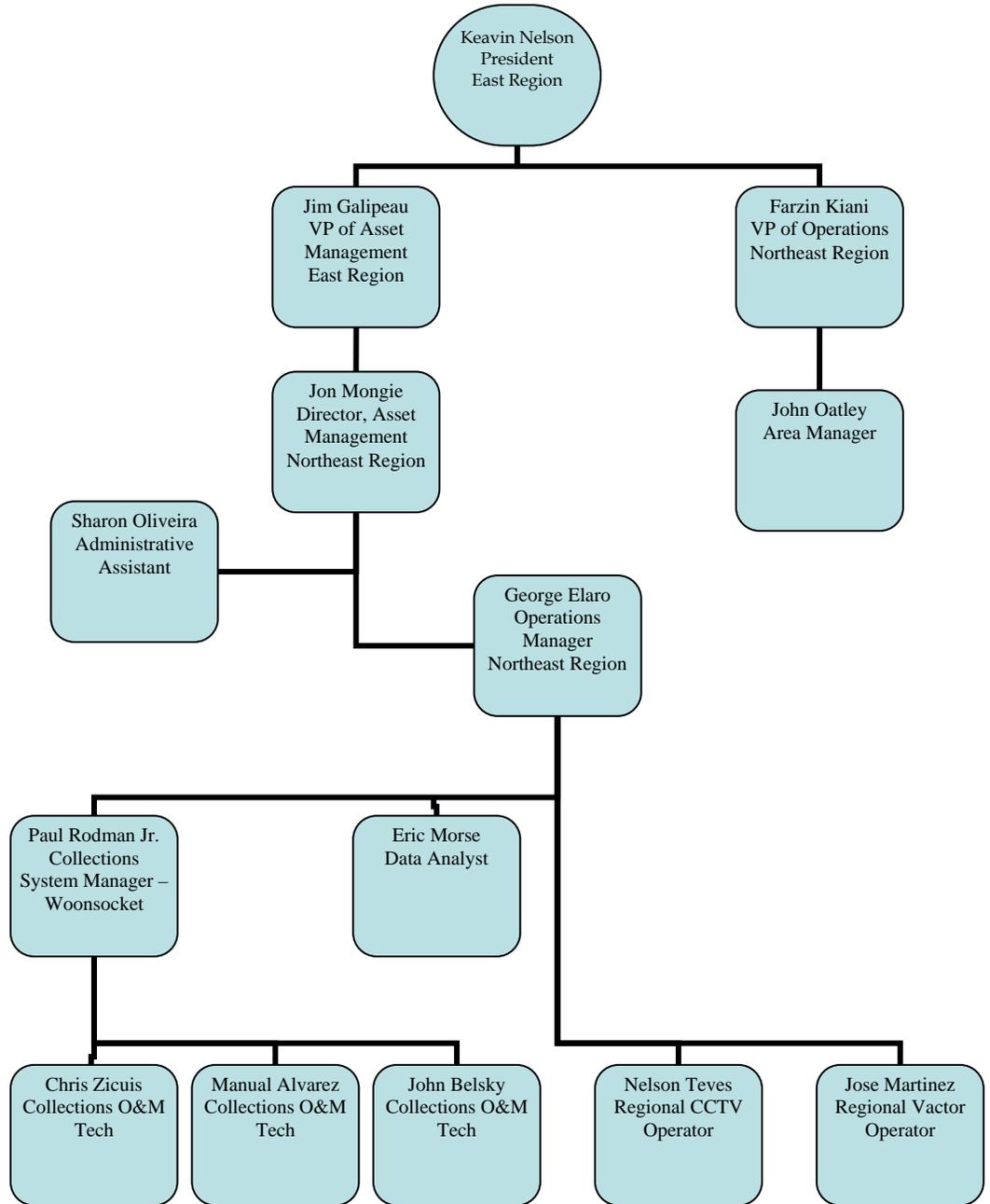
Under the contract Veolia Water, The City down load every three months the latest CCTV conducted to its GIS database.

C) Budget and Staffing:

The Sewer collection system is financed by sewer use charge fund. Copy of the current year budget can be found in (Attachment D). The City of Woonsocket has established Capital Improvement fund many years ago. The current budget the City budgeted \$400,000 for this fund. Please find statement from the City's Controller in (Attachment E) to shows that there is a balance available of over \$900,000 for Future capital improvement.

Due to the retirement of City's employees, The City entered to contract agreement with VWNA to operate and maintain the City's wastewater collection system for the next 10 years. VWNA took over all aspect of the collection system as of July 1, 2009.

The following is the VWNA organization chart:



The State of Rhode Island RIDEM was notified of the agreement between the City and VWNA. Copies of job descriptions can be found in (Attachment F). The collection system Manger and one of O&M Tech are certified MACP & PACP.

City's effort to reduce extraneous flow and FOG:

1: I/I

Based on the monitoring study of 2006, the City in 2008 has selected the worst five areas to flush and CCTV in order to find out what segments of the sewer pipes need repairs to reduce ground water entering the sewer pipes. This will reduce the extraneous flow by increasing the sewer capacity and repairs the severely damage sewer pipes and damage manholes as well as reducing I/I. In year 2010 the City continues to clean and flush and CCTV some of the priority I/I areas. The City also requested that the other three communities to conduct flow monitoring study and smoke testing to reduce their flow to the Wastewater plant.

It is the City understanding that RIDEM will issue an order to the town of North Smithfield to conduct CMOM evaluation. It is also the City understanding that the State of Mass will order the Town of Blackstone and the Town of Bellingham to do the same.

Based on VWNA report, it was determined that there were more than 477 manholes in the City which contribute to inflow as much as 690,000 gallons per day. This estimated inflow for vented manhole covers was based on study conducted by Neehan Foundry Company. The following is an example of vented manhole in Woonsocket:



VWNA already inserted more than 220 inserts in order to reduce Inflow.

2: FOG:

In 2008, the City IPP started to permit all restaurants in the service area. Currently the IPP issued 150 permits. Only hand full of restaurants to be permitted. 128 restaurants have grease traps or grease interceptor. The IPP has issued compliance schedule to the remaining restaurants. In FY 2011, the IPP inspected 50 restaurants and additional 50 restaurants will be inspected in FY 2012

D) Buried Manholes:

During the current CCTV, Inland Water discovers some buried manholes. Arrangements are made to raise the manholes above grade. As the CCTV of the system progress any manholes discover to be buried will be raised.

E) Other Sewer Improvement in 2011

- a. Extend sewer service at Cady Street. Funding for the project will be paid through SRF loan to the City.
- b. Cleaning 800 feet of the 60" sewer line from Hamlet siphon to the plant. Veolia Water removed 276 tons of grit, sands and rags from this segment of the pipe (See map in Attachment G).

G) Project during calendar year 2012:

During the calendar year 2012, the City with their contractor will work to achieve the following:

- a. Complete upgrade North Main Street Pump Station according to consent agreement with RIDEM. City already administrated bid procedure and the lower bidder will soon be awarded the contract. The cost of the upgrade will be financed through SRF loan to the City.
- b. As discussed above that the City of Woonsocket will continue to flush and CCTV the 23 areas with high severity of infiltration to reduce flow to the plant and increase system capacity. This task should be completed by June 30, 2012
- c. The agreement between the City and VWNA call for the inspection of 700 manholes per contract year (from July 1 to the following June 30). The City expects that VWNA will inspect estimated 700 during calendar year 2011.

- d. Raise any discovered buried manholes.
- e. The IPP already started to inspect permitted restaurants and will continue with this task during 2011.

Public Education and outreach:

Recently, the City's Wastewater and Sewer launched a webpage. The purpose of the webpage is educating the public on the Pretreatment regulations and the sewer system. The public will be able to down load permit application and review current rate.

The site is designed to educate the public on FOG and items not to be disposed in the sewer in order to reduce SSO in general. The webpage inform the public that the City accept waste vegetable oil to be recycled to biodiesel. The webpage also publish the important telephone numbers which the public my need in case if there is a sewer, odor or billing problems. (See Attachment H for more details of the website)

ATTACHMENT A

A.4 Pipe Repairs

Summary of Pipe Repairs:

Number of repairs: 1
Total length of repairs (ft): 6.00
Total actual cost (\$): \$15,319.07

Pipe ID	Repair ID	Repair Length (ft)	Status	Defect Type	Repair Type
WW_200.193.1	1295900026_rodman	6.000	COMP (Completed)	MAIN (Break In Main)	REPLACE (Replacement)

Repair Record

Repair ID: 1295900026_rodman		Job Number: 2020900	
Status: COMP (Completed)	Defect Type: MAIN (Break In Main)	Repair Type: REPLACE (Replacement)	Cause of Failure: WORKS (Other Works)
Start Length (ft): 190.000	Repair Length (ft): 6.000	CCTV Required: N	Shape: CIRC (Circular)
Material: DIP (Ductile Iron Pipe)	Lining Material: -	Lining Type: -	
Width (in): -	Height (in): 8.0	<p>Notes: 11:30 p.m. Collections Crew arrives on scene to find a police detail by a manhole cover with sewage bubbling out by the Diamond Hill Pump Station. The crew began looking for manholes that were not surcharged so they can begin jet rodding the main to clear the suspected blockage. There was no manhole down stream to the pump station that was not surcharged.</p> <p>11:45 p.m. Collections crew notifies the wastewater plant staff that the pumps inside the pump station may have failed.</p> <p>12:00 a.m. Wastewater operations and collections system staff found that one of the pumps in the station may have been air bound.</p> <p>12:05 a.m. Collections crew jet rods 700 ft of the force main where it ties into the gravity sewer.</p> <p>2:00 a.m. First septic hauler arrives on scene to by-pass overflowing manhole. Operations staff continues to work on pumps in the dry well and collections crew attempts to find manholes that are not surcharged to attempt to trace back to the suspected blockage.</p> <p>4:00 a.m. SSO is stopped by by-passing the flows to the pump station by using septic trucks. It was estimated that roughly 2500 gallons was released to the street which flowed to a near by catch basin.</p> <p>5:00 a.m. more septic trucks arrive on scene. it was thought at this time there was a problem with the pumps in the dry well. The plan of action was to pump down the wet well so that the maintenance staff can examine the pumps.</p> <p>8:30 a.m. the flow in the gravity manholes upstream of the pump station return to normal. While cycling the pumps and checking manholes the crew members notice there was water coming through a manhole wall. When the pumps shut off the water coming through the manhole stops. This is tested three times to verify that the force main may be broken by the manhole.</p> <p>9:00 a.m. the City of Woonsocket Public Works Director is notified of the situation and authorizes approval to proceed with work.</p>	

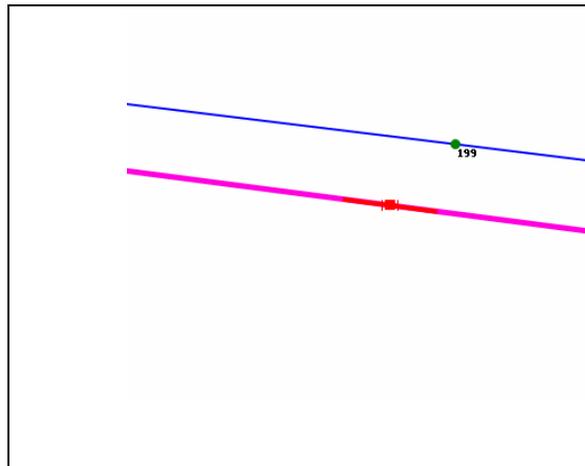


		<p>9:05 a.m. Boyle and Fogarty is notified and begin assembling a crew to do an emergency dig and replace a section of sewer force main. Septic haulers continue to by-pass pump station.</p> <p>9:30 a.m. Collections crew begins applying hypo to the areas of discharge and the affected catch basin.</p> <p>12:00 p.m. Dig safe area has been marked out and all permits filled out and approved. Boyle and Fogarty Construction begin excavating to locate the broken force main.</p> <p>1:30 p.m. the section of broken force main is found and measurements are taken to replace the pipe section.</p> <p>4:00 p.m. the repair is made and the hole is back filled and cold patched.</p> <p>6:00 p.m. Work area is sanded by the Highway Department and the work area is cleaned.</p>
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Schedule Number: -	Completed: Y
Date/Time Planned: 23:00 24 Jan 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 12:00 24 Jan 2011
Repeat Period: -	Date Completed: 18:00 24 Jan 2011
Team Leader: RODMAN (Rodman Paul)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	

Pipe Information:

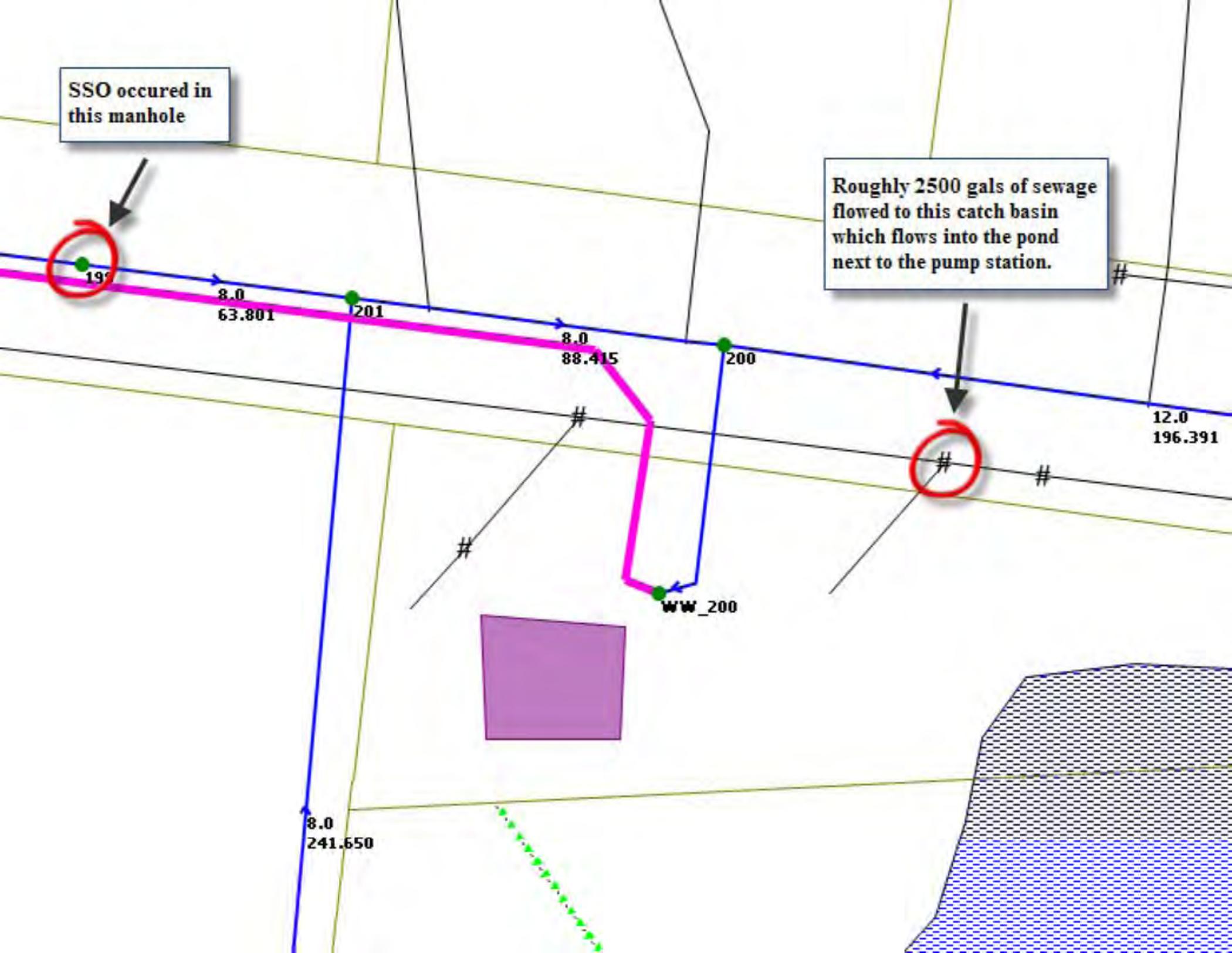
Pipe ID: WW_200.193.1	Pipe Type: FM (Force Main)
Location: Diamond Hill Road	Site Condition: -
US Material: CI	US Lining Material: -
US Shape: CIRC (Circular)	US Width (in): 8.0
DS Material: CI	DS Lining Material: -
DS Shape: CIRC (Circular)	DS Width (in): 8.0
US Depth From Cover (ft): 0.000	DS Depth From Cover (ft): 0.000
Notes: 1970	





SSO occurred in this manhole

Roughly 2500 gals of sewage flowed to this catch basin which flows into the pond next to the pump station.



Date – July 31,2011

Caller – Woonsocket Water Department

Address – Intersection of First Avenue and Chestnut Street

Time Called – 3:00 p.m.

Time Inspected – 3:30 p.m.

Reason for complaint – Sanitary Sewer Overflow

Result of complaint – Sanitary Sewer Overflow

At 3:00 p.m. the on call employee received a call from the call service that there was a sewer back up at the intersection of First Avenue and Chestnut Street in Woonsocket, RI. 3:15 p.m. the on call employee arrived on site and called Collection System Manager to give an update of the situation. 3:30 p.m. the Collection System Manger called in the other department employees to assist with the SSO and notified the UGAM Operations Manager, George Elaro. 4:15 p.m. the entire Woonsocket Collections Crew arrives on site with 2 vacator trucks and a flusher truck and began looking for sewer manholes through the piles of debris from the fallen mill building and sand bagging all storm basins and access points where water was flowing to the Blackstone River. At this point there were large standing ponds of sewerage at the excavation site being contained by piles of debris on the property. 4:30 p.m. Collections System Manger, Paul Rodman spoke to the demolition contractor that had been digging in the same location where the sewage was coming out of the ground. 5:00 p.m. Septic haulers were called in to assist with by-passing the flow because no sewer manholes could be located due to large piles of debris. 5:30 p.m. The Collections Crew began to jetrod from the siphon inlet chamber roughly 220ft downstream from the SSO location. 6:00 p.m. The first septic hauler arrives on site and the by-pass pumping begins. 7:00 p.m. The sewage is isolated to a 30ft x 30ft x 10ft hole that the demo contractor made and has stopped over flowing throughout the property. Boyle & Fogarty Construction are called for an emergency sewer main repair and a message was left. The City Engineering Dept. was called to contact their emergency contractor and a message was left. 8:45 p.m. The second septic hauler arrives on site. By-pass pumping continues. 11:45 p.m. The water level in the trench is low enough to show the large rocks that crushed the 12" VCP sewer pipe. 12:00 a.m. Disinfection of the site beings using 10 gal of hypo. 1:00 a.m. Both sides of the broken pipe are exposed and a 6ft piece of flex tubing was sleeved in place as a temporary pipe to keep flow moving throughout the pipe in case of a wall collapse. 1:45 a.m. The Collections Group continues to jet and vacuum the sewer main downstream of the break so it can be CCTV'd to find the extent of the damage. 4:00 a.m. Cleaning of the pipe continues as there is still a large amount of demolition debris being removed from the pipe consisting of large rocks, gravel, and dirt. 7:00 a.m. The overnight shift is relieved by the first shift staff and cleaning of the downstream section of pipe continues. There is still a large amount of debris being removed from the pipe. Boyle & Fogarty is contacted and will be on site at 9:00 a.m. to inspect the job to determine what equipment will be needed. City Engineering Department is contacted and updated of the recent events in place of the Public Works Director who is not available. Mike Debrouse would be on site at 9:15 a.m. to meet with VWNA and Boyle & Fogarty. 10:00 a.m. Septic haulers were contacted to arrive on site at 11:30 a.m. to begin by-pass pumping so Boyle & Fogarty could excavate the wet soil and to determine the extent of the damage so a repair can be made. Alex Pinto from RIDEM arrives on site to speak with the VWNA Management personnel about the SSO details. Mr. Pinto requests that the calculation of amount overflowed begin Friday July 29, 2011 at 3:00 p.m. when the Demolition Contractor left the site and end at 7:00 p.m. Sunday July 31, 2011 when the flow was isolated.

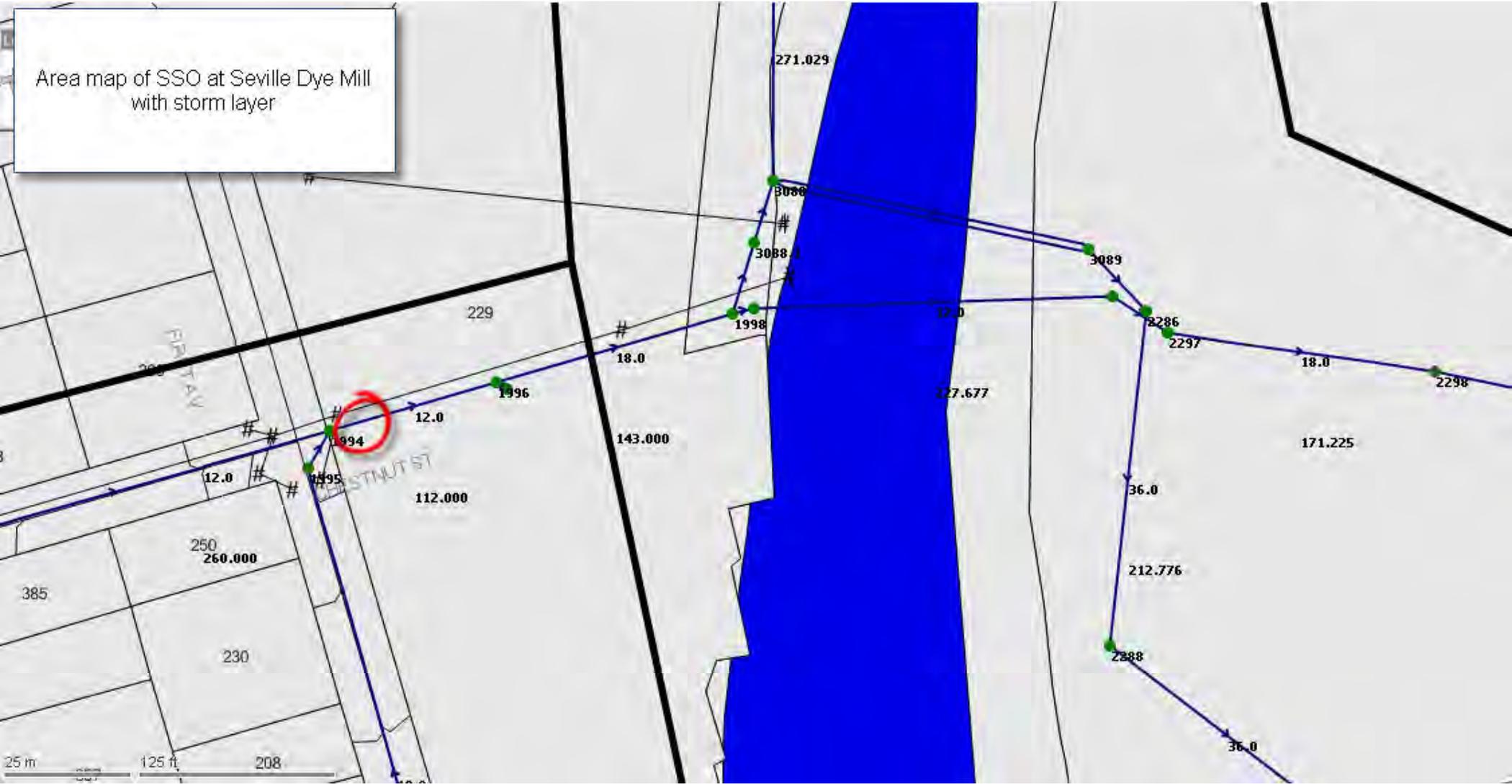
The VWNA Management personnel utilized the 2007 CDM/ADS Flow Monitoring Study in Woonsocket to calculate the daily flow rate of this particular flow area. Coincidentally there was a flow meter installed downstream of the broken pipe during the study period. It was determined that 920,000 gallons was released during the 51 hour SSO event.

12:00 p.m. By-pass pumping and excavation begins. 1:45 p.m. The remains of the damaged 12" VCP pipe are removed and a new 8' section of 12" PVC is set in place and attached to the existing pipe with two (2) Fernco Couplings. 2:00 p.m. The new PVC repair is CCTV'd and found to be sound, also showing no further damage of the existing pipe. 2:45 p.m. Backfilling of the trench is complete with a 2ft bed of crushed stone and 3ft layers of processed gravel at which point Boyle &

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Fogarty and the septic haulers are released from the site. 3:00 p.m. Two members of the UGAM crew remain on site to vacuum any remaining standing water as a result of the SSO. The remaining foundations of the mill had captured large amounts of over flowing sewage that needed to be vacuumed and disinfected prior to leaving the site. 6:00 p.m. The crew has finished on site and returned to the plant.

Area map of SSO at Seville Dye Mill with storm layer



ATTACHMENT B

ATTACHMENT C



Summary of Pipe Repairs:

Number of repairs: 12

Total length of repairs (ft): 44.00

Total estimated cost (\$): 22,500.00

Total actual cost (\$): 22,500.00

US MH	DS MH	Street Location	Distance in Feet from US MH	Diameter (in)	PACP Defect Code	Criticality of Structural Defect	Recommended Repair	Repair Cost
2093	2476	Warren Avenue	73 - 78	8	BSV	10	8" x 8' CIPL	\$2,100
542	543	Poplar Street	150.2	8	IR & FM	2	8" x 4' CIPL	\$1,800
4712	4713	Ray Avenue	146.4	8	IG	10	8" x 2' CIPL	\$1,700
3244	3245	St. Louis Avenue	61.5	8	BSV	10	8" x 4' CIPL	\$1,800
4624	4623	Progresso Avenue	218 - 220	8	FM & HSV	10	8" x 4' CIPL	\$1,800
721	720	Memorial Drive	4.8	8	BSV	10	8" x 4' CIPL	\$1,800
721	720	Memorial Drive	71 - 75	8	BSV	10	8" x 6' CIPL	\$2,000
3802	3803	Castle Heights Court	4	8	XP	10	8" x 4' CIPL	\$1,800
4618	4619	Merida Avenue	26	8	XP	10	8" x 4' CIPL	\$1,800
4329	4324	Gaulin Avenue	65	8	BSV	10	8" x 4' CIPL	\$1,800
717	718	Bourdon Boulevard	24 - 26	8	BSV	10	8" x 6' CIPL	\$2,000
709	708	Bourdon Boulevard	187.1	10	BVV	10	10" x 6' CIPL	\$2,100
							Total	\$22,500

Repair Record

Repair ID: 1313140859_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: MAIN (Break In Main)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: GROUND (Ground Movement)
Start Length (ft): 64.000	Repair Length (ft): 4.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: -2	Actual Cost (\$): - 1800
Estimated Duration: -2	Estimated Cost (\$): - 1800

Schedule Number: -	Completed: Y
Date/Time Planned: 09:21 19 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 09:36 19 Jul 2011
Repeat Period: -	Date Completed: 09:48 19 Jul 2011
Team Leader: RODMAN (Rodman Paul)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	



Pipe Information:

US MH 4329 – DS MH 4324		Pipe Type: Gravity
Location: Gaulin Avenue		Site Condition:
US Material: VCP	US Lining Material: None	US Lining Type: None
US Shape: CIR	US Width (in):	US Height (in): 8
DS Material: VCP	DS Lining Material: None	DS Lining Type: None
DS Shape: VCP	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair

Post Repair



Repair Record

Repair ID: 1313145575_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: MAIN (Break In Main)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: WORKS (Other Works)
Start Length (ft): 218.000	Repair Length (ft): 4.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: - 2	Actual Cost (\$): - 1800
Estimated Duration: - 2	Estimated Cost (\$): - 1800

Schedule Number: -	Completed: Y
Date/Time Planned: 10:42 18 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 10:44 18 Jul 2011
Repeat Period: -	Date Completed: 10:45 18 Jul 2011
Team Leader: ZICUIS (Zicuis Chris)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	



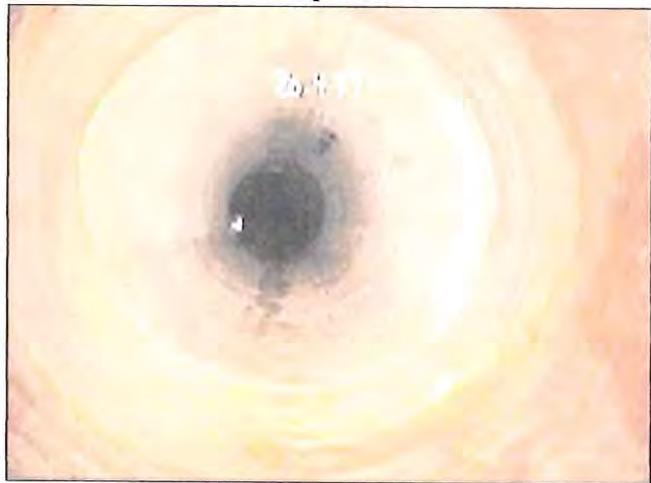
Pipe Information:

US MH 4624 – DS MH 4623		Pipe Type: Gravity
Location: Progresso Avenue		Site Condition:
US Material: VCP	US Lining Material: None	US Lining Type: None
US Shape: CIR	US Width (in):	US Height (in): 8
DS Material: PVC	DS Lining Material: None	DS Lining Type: None
DS Shape: CIR	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair



Post Repair



Repair Record

Repair ID: 1313142906_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: MAIN (Break In Main)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: GROUND (Ground Movement)
Start Length (ft): 4.000	Repair Length (ft): 4.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: - 2	Actual Cost (\$): - 1800
Estimated Duration: - 2	Estimated Cost (\$): - 1800

Schedule Number: -	Completed: Y
Date/Time Planned: 09:55 14 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 09:56 14 Jul 2011
Repeat Period: -	Date Completed: 09:57 14 Jul 2011
Team Leader: RODMAN (Rodman Paul)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	



Pipe Information:

US MH 721 – DS MH 720		Pipe Type: Gravity
Location: Memorial Drive		Site Condition:
US Material: VCP	US Lining Material: None	US Lining Type: None
US Shape: CIR	US Width (in):	US Height (in): 8
DS Material: VCP	DS Lining Material: None	DS Lining Type: None
DS Shape: CIR	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair

Post Repair



Repair Record

Repair ID: 1313145971_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: INFILT (Infiltration)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: GROUND (Ground Movement)
Start Length (ft): 29.000	Repair Length (ft): 2.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: -2	Actual Cost (\$): -1800
Estimated Duration: -2	Estimated Cost (\$): -1800

Schedule Number: -	Completed: Y
Date/Time Planned: 10:46 26 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 10:49 26 Jul 2011
Repeat Period: -	Date Completed: 10:53 26 Jul 2011
Team Leader: ZICUIS (Zicuis Chris)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	

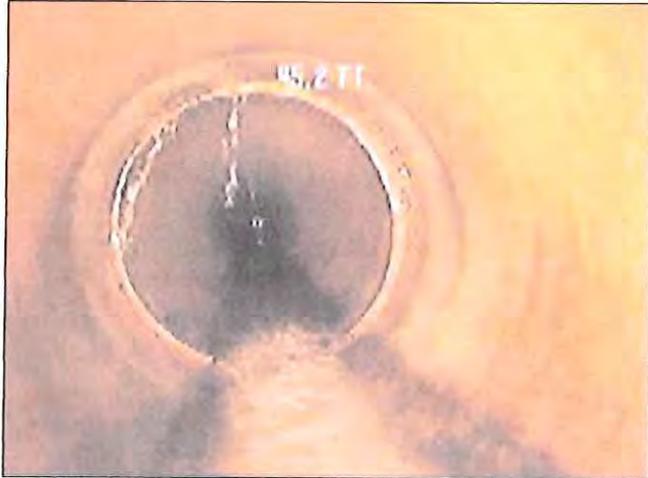


Pipe Information:

US MH 4712 – DS MH 4713		Pipe Type: Gravity
Location: Ray Avenue		Site Condition:
US Material:	US Lining Material:	US Lining Type:
US Shape:	US Width (in):	US Height (in):
DS Material: VCP	DS Lining Material: None	DS Lining Type: None
DS Shape: Cir	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair

Post Repair



Repair Record

Repair ID: 1313143111_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: INFILT (Infiltration)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: GROUND (Ground Movement)
Start Length (ft): 150.000	Repair Length (ft): 4.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: -2	Actual Cost (\$): -1800
Estimated Duration: -2	Estimated Cost (\$): -1800

Schedule Number: -	Completed: Y
Date/Time Planned: 10:35 19 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 10:36 19 Jul 2011
Repeat Period: -	Date Completed: 10:38 19 Jul 2011
Team Leader: ZICUIS (Zicuis Chris)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	

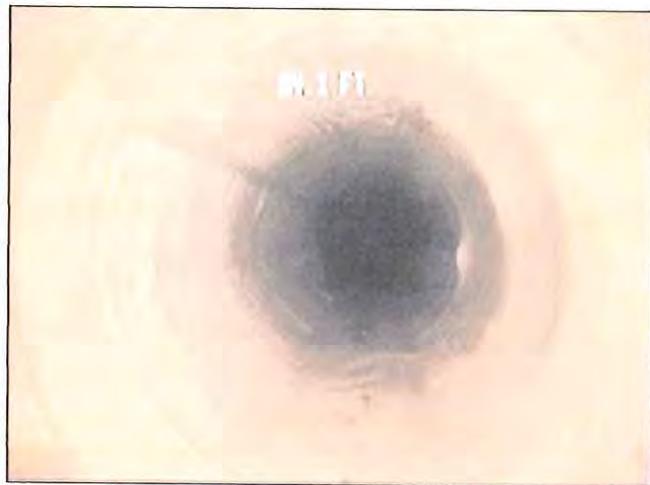
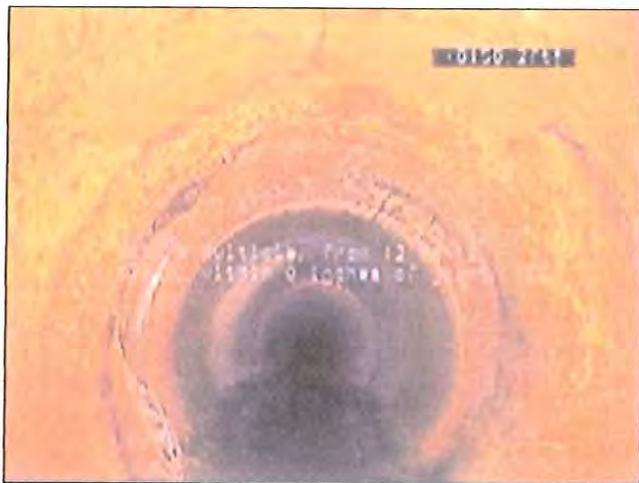


Pipe Information:

US MH 542 – DS MH 543		Pipe Type: Gravity
Location: Poplar Street		Site Condition:
US Material: VCP	US Lining Material: None	US Lining Type: None
US Shape: CIR	US Width (in):	US Height (in): 8
DS Material: VCP	DS Lining Material: None	DS Lining Type: None
DS Shape: CIR	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair

Post Repair



Repair Record

Repair ID: 1313146511_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: MAIN (Break In Main)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: GROUND (Ground Movement)
Start Length (ft): 73.000	Repair Length (ft): 8.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: -2	Actual Cost (\$): -2100
Estimated Duration: -2	Estimated Cost (\$): -2100

Schedule Number: -	Completed: Y
Date/Time Planned: 10:55 29 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 10:57 29 Jul 2011
Repeat Period: -	Date Completed: 10:59 29 Jul 2011
Team Leader: ZICUIS (Zicuis Chris)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	



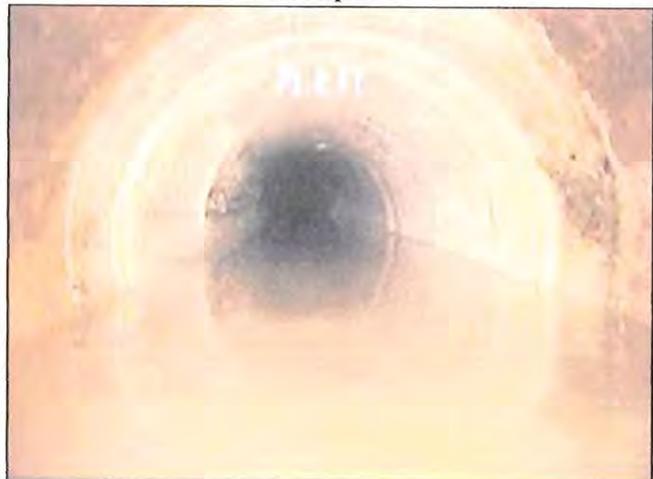
Pipe Information:

US MH 2093 – DS MH 2476		Pipe Type: Gravity
Location: Warren Avenue		Site Condition:
US Material: VCP	US Lining Material: None	US Lining Type: None
US Shape: CIR	US Width (in):	US Height (in): 8
DS Material: VCP	DS Lining Material: None	DS Lining Type: None
DS Shape: CIR	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair



Post Repair



Repair Record

Repair ID: 1313147202_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: MAIN (Break In Main)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: GROUND (Ground Movement)
Start Length (ft): 70.000	Repair Length (ft): 6.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: -2	Actual Cost (\$): -2000
Estimated Duration: -2	Estimated Cost (\$): -2000

Schedule Number: -	Completed: Y
Date/Time Planned: 11:07 15 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 11:08 15 Jul 2011
Repeat Period: -	Date Completed: 11:09 15 Jul 2011
Team Leader: ZICUIS (Zicuis Chris)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	



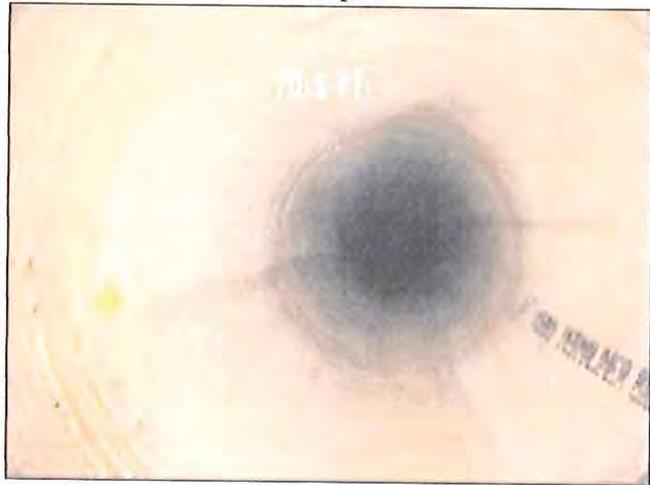
Pipe Information:

US MH 721 – DS MH 720		Pipe Type: Gravity
Location: Memorial Drive		Site Condition:
US Material: None	US Lining Material: None	US Lining Type: None
US Shape: Cir	US Width (in):	US Height (in): 8
DS Material: None	DS Lining Material: None	DS Lining Type: None
DS Shape: Cir	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair



Post Repair



Repair Record

Repair ID: 1313156829_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: COL (Collapse)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: WORKS (Other Works)
Start Length (ft): 1.000	Repair Length (ft): 4.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: -2	Actual Cost (\$): -1800
Estimated Duration: -2	Estimated Cost (\$): -1800

Schedule Number: -	Completed: Y
Date/Time Planned: 13:47 13 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 13:48 13 Jul 2011
Repeat Period: -	Date Completed: 13:51 13 Jul 2011
Team Leader: RODMAN (Rodman Paul)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	



Pipe Information:

US MH 3802 – DS MH 3803		Pipe Type: Gravity
Location: Castle Heights Court		Site Condition:
US Material: VCP	US Lining Material: None	US Lining Type: None
US Shape: Cir	US Width (in):	US Height (in): 8
DS Material: VCP	DS Lining Material: None	DS Lining Type: None
DS Shape: Cir	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair



Post Repair



Repair Record

Repair ID: 1313158930_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: COL (Collapse)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: WORKS (Other Works)
Start Length (ft): 23.000	Repair Length (ft): 4.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: -2	Actual Cost (\$): -1800
Estimated Duration: -2	Estimated Cost (\$): -1800

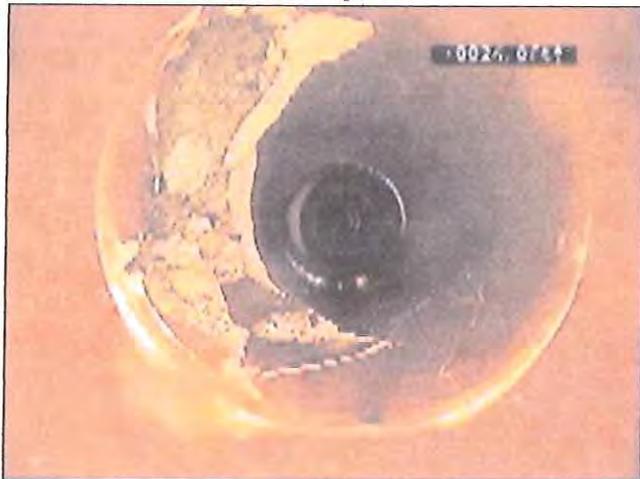
Schedule Number: -	Completed: Y
Date/Time Planned: 14:22 12 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 14:23 12 Jul 2011
Repeat Period: -	Date Completed: 14:24 12 Jul 2011
Team Leader: ZICUIS (Zicuis Chris)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	



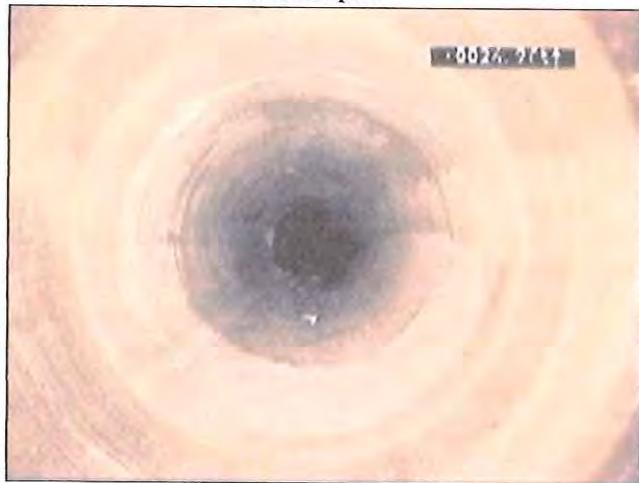
Pipe Information:

US MH 4618 – DS MH 4619		Pipe Type: Gravity
Location: Merida Avenue		Site Condition:
US Material: VCP	US Lining Material: None	US Lining Type: None
US Shape: Cir	US Width (in):	US Height (in): 8
DS Material: VCP	DS Lining Material: None	DS Lining Type: None
DS Shape: CIR	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair



Post Repair



Repair Record

Repair ID: 1313158499_rodman		Job Number: 2020900.3501	
Status: - Completed	Defect Type: BREAK (Break)	Repair Type: CIP_LINER (Cured In-Place Liner)	Cause of Failure: GROUND (Ground Movement)
Start Length (ft): 64.000	Repair Length (ft): 4.000	CCTV Required: Y	Shape: - Circular
Material: VCP (Vitrified Clay Pipe)	Lining Material: EP (Epoxy)	Lining Type: CIP (Cured in Place)	
Width (in): -	Height (in): 8.0	Notes: -	

Actual Duration: -2	Actual Cost (\$): -1800
Estimated Duration: -2	Estimated Cost (\$): -1800

Schedule Number: -	Completed: Y
Date/Time Planned: 14:15 13 Jul 2011	Task Status: COMP (Completed)
Estimated Completion Date: -	Date/Time Started: 14:16 13 Jul 2011
Repeat Period: -	Date Completed: 14:17 13 Jul 2011
Team Leader: ZICUIS (Zicuis Chris)	Repeat Schedule Number: -
Contractor: VEOLIA (Veolia Water North America)	

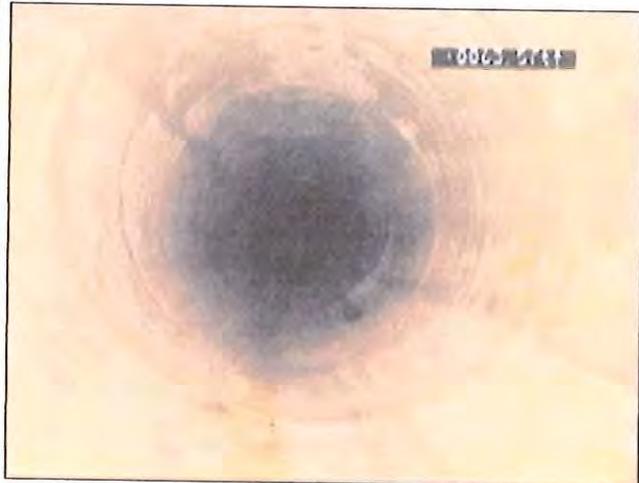


Pipe Information:

US MH 3244 – DS MH 3245		Pipe Type: Gravity
Location: Saint Louis Avenue		Site Condition:
US Material: VCP	US Lining Material: None	US Lining Type: None
US Shape: Cir	US Width (in):	US Height (in): 8
DS Material: VCP	DS Lining Material: None	DS Lining Type: None
DS Shape: Cir	DS Width (in):	DS Height (in): 8
US Depth From Cover (ft):		DS Depth From Cover (ft):
Notes:		

Pre Repair

Post Repair



ATTACHMENT D

USER CHARGE COLLECTION FUND
Public Works Department
Sewer Division
 Detail 2011-2012
 page 1 of 2

	Adopted Budget FY 11	Adjusted Budget FY 11	Total Est. Expended FY 11	Adopted Budget FY 12
U6951 Personal Services				
-51110 Permanent Services	\$ -	\$ -	\$ -	\$ -
-51122 Temporary Labor	\$ -	\$ -	\$ 19,850	\$ 19,850
Permanent Services	-	-	19,850	19,850
Extra Compensation				
-51141 Overtime	-	-	-	-
-51144 Out of Class Pay	-	-	-	-
-51145 Longevity	-	-	-	-
-51147 Sick Leave Reimb	-	-	-	-
51148 Comp Time Reimb	-	-	-	-
-51149 Shift Differential	-	-	-	-
-51153 Non Sick/Injury Bonus	-	-	-	-
-51155 Bonus for Course	-	-	-	-
Total Extra Compensation	-	-	-	-
Total Personal Services	-	-	19,850	19,850
U6952 Maintenance & Servicing				
-52211 Postage	-	-	-	-
-52212 Telephone	600	600	600	600
-52213 Dues and Subscriptions	-	-	-	-
-52214 Advertising	-	-	-	-
-52219 Education Training	-	-	-	-
-52221 Printing & Reproducing	-	-	-	-
-52223 Operations & Management	684,451	684,451	684,451	698,140
-52227 Accelerated Cleaning	150,000	150,000	153,000	155,000
-52231 Gen. Maint. & Upkeep	-	-	-	-
-52234 Veh & Outside Equip Upkeep	-	-	-	-
-52238 Maintenance - Roads & Walks	-	-	-	-
-52244 Land Rental Charges	2,475	2,475	2,475	2,475
-52251 Heating	-	-	-	-
-52252 Light & Power	50,000	50,000	50,000	50,000
-52290 Engineering Services	50,000	50,000	50,000	50,000
Total Maint. & Servicing	937,526	937,526	940,526	956,215

account detail continued on next page

USER CHARGE COLLECTION FUND

Public Works Department

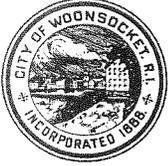
Sewer Division

Detail 2011-2012

page 2 of 2

	Adopted Budget FY 11	Adjusted Budget FY 11	Total Est. Expended FY 11	Adopted Budget FY 12
U6953				
<u>Operating Supplies</u>				
-53311 Office Supp. & expenses	-	-	-	-
-53321 Gas & Diesel Fuel	-	-	-	-
-53322 Tires & Batteries	-	-	-	-
-53335 Water Purchased	3,000	3,000	3,000	3,000
-53344 Tools & Implements	-	-	-	-
-53346 Cleaning & Hskp Supplies	-	-	-	-
-53349 Other Supplies	-	-	-	-
-53363 Clothing & Footwear	-	-	-	-
-53366 Medical Supplies	-	-	-	-
-53369 Clothing Allowance	-	-	-	-
Total Operating Supplies	3,000	3,000	3,000	3,000
U6954				
<u>General Charges</u>				
-54433 City Employees Pension	-	-	-	-
-54434 FICA Employer Cost	-	-	1,519	1,519
-54449 RWT Service Charges	-	-	-	-
-54451 Vehicle Insurance	-	-	-	-
-54452 Insurance Workers Comp	-	-	-	-
-54453 Insurance Liability	-	-	-	-
-54456 Insurance-Group Life	-	-	-	-
-54471 Health Insurance	-	-	7,452	8,800
-54472 Dental Insurance	-	-	2,272	3,000
-54473 Renewal & Replace Fund	200,000	200,000	200,000	400,000
Total General Charges	200,000	200,000	211,243	413,319
TOTAL SEWER DIVISION	\$ 1,140,526	\$ 1,140,526	\$ 1,174,619	\$ 1,392,384

ATTACHMENT E



CITY OF WOONSOCKET, RHODE ISLAND
OFFICE OF THE FINANCE DIRECTOR
FORWARD WOONSOCKET
"A CITY ON THE MOVE"

January 30, 2012

Adel Banoub
City of Woonsocket
Regional Wastewater Plant
11 Cumberland Hill Road
Woonsocket, RI 02895

Dear Adel,

The funding of the User Renewal and Replacement fund from User Charge for the past three fiscal years was as follows:

Fiscal Year 2009	\$500,000
Fiscal Year 2010	\$100,000
Fiscal Year 2011	\$200,000

As of December 31, 2011, User owed User R&R \$908,092. The Fiscal Year 2012 funding is budgeted at \$400,000 with no transfer made to date.

The balance of the User Renewal and Replacement fund as of December 31, 2011 is as follows:

Cash	\$ 29,703
Investments	\$ 33,458

Sincerely,


Christine Chamberland
City Controller

ATTACHMENT F



June 30, 2009

COLLECTION SYSTEM MANAGER, WOONSOCKET, RI

Responsibilities/Duties for this position: Supervises approximately three full time employees on a regular basis. The work involves the maintenance of sanitary collection systems and pump stations as needed. Employees typically perform cleaning, inspection and maintenance of the gravity sanitary sewer pipes and manholes. The unique feature of this system is the pipes are large diameter of 10 to 30 inches.

Experience, Education and/or Licensing needed for this position: Degree in related field or equivalent related experience. Must hold or be working toward the highest level of Collection System Certification as required by site. Must demonstrate knowledge and experience of health and safety requirements, federal, state and local laws and codes. Must be First Aid and CPR certified within 90 days of hire. Five to seven years in progressive experience in the operation and maintenance of a sanitary sewer collection system with specialized experience in cleaning and inspecting large deep sanitary sewer pipes and manholes. Lead experience or supervisory training required with understanding of human relations, training, performance evaluation and health and safety.

Candidate must have:

- Experience in Cleaning and inspecting large diameter gravity sewer pipes and manholes.
- Effective skills in troubleshooting, problem solving and team building.
- The availability to help execute the wet weather operations plan.
- The ingenuity and initiative to coordinate problem resolution and to execute the contract requirements within a team environment.
- General knowledge of budget preparation and understanding of cost control.
- Demonstrated good verbal communications and interpersonal skills in order to interface with and motivate all levels of personnel.
- Demonstrated ability to prepare accurate, timely, effective, complete and easily understood written communications and reports.
- Proficiency in the care and use of all site specific, facility required PPE (Personal Protection Equipment).
- Computer skills and a knowledge of word processing, spreadsheet and presentation software for preparing work related reports, charts, graphs and data submittal requirements.
- The ability to use computer systems for preparing work orders and purchasing requisitions.
- The ability to work on an on-call, rotational 24 hour emergency basis with the other Collection System Supervisor.
- Must have or develop skills for the O&M of pump stations and instrumentation and control equipment.
- A demonstrated commitment to compliance with applicable laws and regulations, the Company's Code of Business Conduct and other Company policies and procedures.

Collections O&M Technician

JOB DESCRIPTION

Business Unit / Location: VWNA / Woonsocket, RI	Position Code: 270010 Benchmark
Department: UGAM	Prepared by: J. Mongie Last Update: April 9, 2010
Managed by (Title): Collections System Supv / Mgr	FLSA Status: Non-Exempt
Department Approval	HR Approval

SUMMARY

Performs field maintenance, inspection, installation or repairs in one or more areas such as system protection (line locates and inspections of the collection system), cleaning and CCTV pipe, SSES projects, and system flows, and inspecting and maintaining manholes, pipes, and wet wells.

Note: This position requires a mandatory rotating on-call schedule with a half hour response time. Also ability to travel to other job locations

KNOWLEDGE, EXPERIENCE AND SKILLS REQUIRED TO CARRY OUT THE JOB

Technical Knowledge, Years of Related Experience, Certifications Required, Equipment and/or Systems Experience

High school or GED with the ability to read, write and comprehend English (maps, operational, maintenance, safety and quality instructions) and be able to carry out verbal and written instructions.

Ability to perform basic mathematical calculations. Some vocational training and mechanical aptitude preferred, with the ability to read, interpret and record data from meters, gauges, panels, computer consoles and other equipment.

Six months to two years experience in a related position with ability to comprehend specifications, drawings and manuals.

Minimum water / wastewater license as required by regulatory agency at site.

Experience using power, pneumatic, hydraulic, and hand tools.

Experience using pressure gauges and precision measuring instruments.

Must have ability to use a computer or computer device for record keeping.

Must consistently demonstrate the ability to learn and independently perform assigned duties and meet or exceed production and quality goals.

Must demonstrate ability to work in a team environment and willingness to assume additional or new responsibilities readily.

Must demonstrate the ability to work well and communicate with clients, management and the general public.

Must possess a valid driver's license and a safe driving record.

TRAINING REQUIRED

What training will an employee require to successfully perform the duties of the position?

Employee Orientation, Field Service Operating Procedures, Safety, Confined Space training, OSHA and Quality Training. Equipment inspection and repair training.

HAZWOPER (Hazardous Waste Operations and Emergency Response) Level I and II First Responder Certification if required by site. Minimum water / wastewater operator state certification.

Cross-connection certification if required by site.

Customer Service Training. Computer or systems training as required.

Must become proficient in the care and use of all site specific, facility required PPE (Personal Protection Equipment), including respirators, gas detectors, confined space equipment, etc.)

Forklift Certification if required by site.

Works toward increasing skills in additional functional areas or in obtaining advanced skills / certifications.

CDL Class B with Tanker endorsement Knowledge of operations and maintenance of Vactor Trucks May perform more advanced functions as part of training and development.
Learning Curve: How much time is required to effectively perform the job? <input type="checkbox"/> 0-3 months <input type="checkbox"/> 3-6 months <input checked="" type="checkbox"/> 6-9 months <input type="checkbox"/> 9 months to 1 year <input type="checkbox"/> 1 – 1 ½ years <input type="checkbox"/> 1 ½ to 2 years <input type="checkbox"/> 2 to 3 years

E or N	MAIN ACTIVITIES CARRIED OUT	% OF TIME
	Identify the major tasks accomplished by this job. Identify % of time spent on each and whether activity is an E- essential function or N – non-essential function of the job.	
E	Performs inspections for sewer pipe repairs, replacements and fresh water sources. Performs system locates. Performs cleaning and maintenance of pipes and manholes.	30%
E	Learns to use the InfoNet Mobile application to record and complete existing work orders and create work orders ad hoc in the field.	15%
E	Learns to perform SSES projects, such as smoke testing, dye testing, dye flooding, building inspection, sewer tie in & sewer extension inspections and manhole inspections.	25%
E	Performs routine and preventative maintenance on equipment. Promptly reports any operational problems to Lead or Supervisor.	10%
E	Cleans equipment and work area as required and properly disposes of waste according to safety and environmental policies. Operates vehicles for field service purposes.	10%
E	SPECIFIC ACTIVITIES (INTERMITTENT, ON AN OCCASIONAL BASIS, ETC.) May travel to other projects for assistance.	10%

SCOPE AND IMPACT OF THE JOB	
Revenue or budget managed: \$ 0 Investments decided upon / managed: none at this level	
Number of Direct Reports: 0 Number of Indirect Reports: 0 Titles of Reports: n/a	
Nature of Supervisory Responsibility: <input checked="" type="checkbox"/> None	
Degree of supervision received or the degree of autonomy given: The degree to which supervisor outlines the methods to be followed or results to be obtained and checks work or progress. Works under direct supervision: Works either with higher level or more experienced team member or specific instructions are given on assignments or follows written or verbal instructions and established procedures (specifications, drawing and manuals) and standard practice to perform assigned tasks.	
Complexity of Duties and Decisions: The extent to which duties are guided by standard policy, practice or precedents or the amount of resourcefulness and planning and creative effort in devising new methods, policies, procedures, products or original application. Performs a variety of manual functions. Follows established procedures to perform standardized or routine tasks. Must follow established operational, maintenance, safety and emergency response procedures. Must adhere to specifications and schedule. May suggest process improvements.	
Initiative: Describe the ingenuity, creative imagination or original thought that is expected of the job. Uses initiative in carrying out recurring assignments. Waits for direction for next steps and assignments outside of routine. Keeps supervisor informed of problems.	
How errors detected and what is possible impact of those errors? Work is reviewed for completeness and accuracy, or inherent checks are built into the nature of the work. Most errors are caught during self-inspection before leaving work unit. Impact is minimal.	

INTERPERSONAL / COMMUNICATIONS
Indicate internal and external contacts and purpose of contacts.
Internal contact with immediate associates and immediate supervisor for instructions, training and guidance. Frequent contact with customers to resolve service issues and problems.

WORK ENVIRONMENT AND DEMANDS

List the work environment and physical demands encountered while performing the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Work Environment:

Spends majority of time in field environment and occasionally works in an office, maintenance or repair shop environment. Typically spends 85% of time exposed to outdoor and sometimes inclement weather. Company service vehicles are used as required. May serve rotational 24 hour emergency on-call.

Possible Work Hazards:

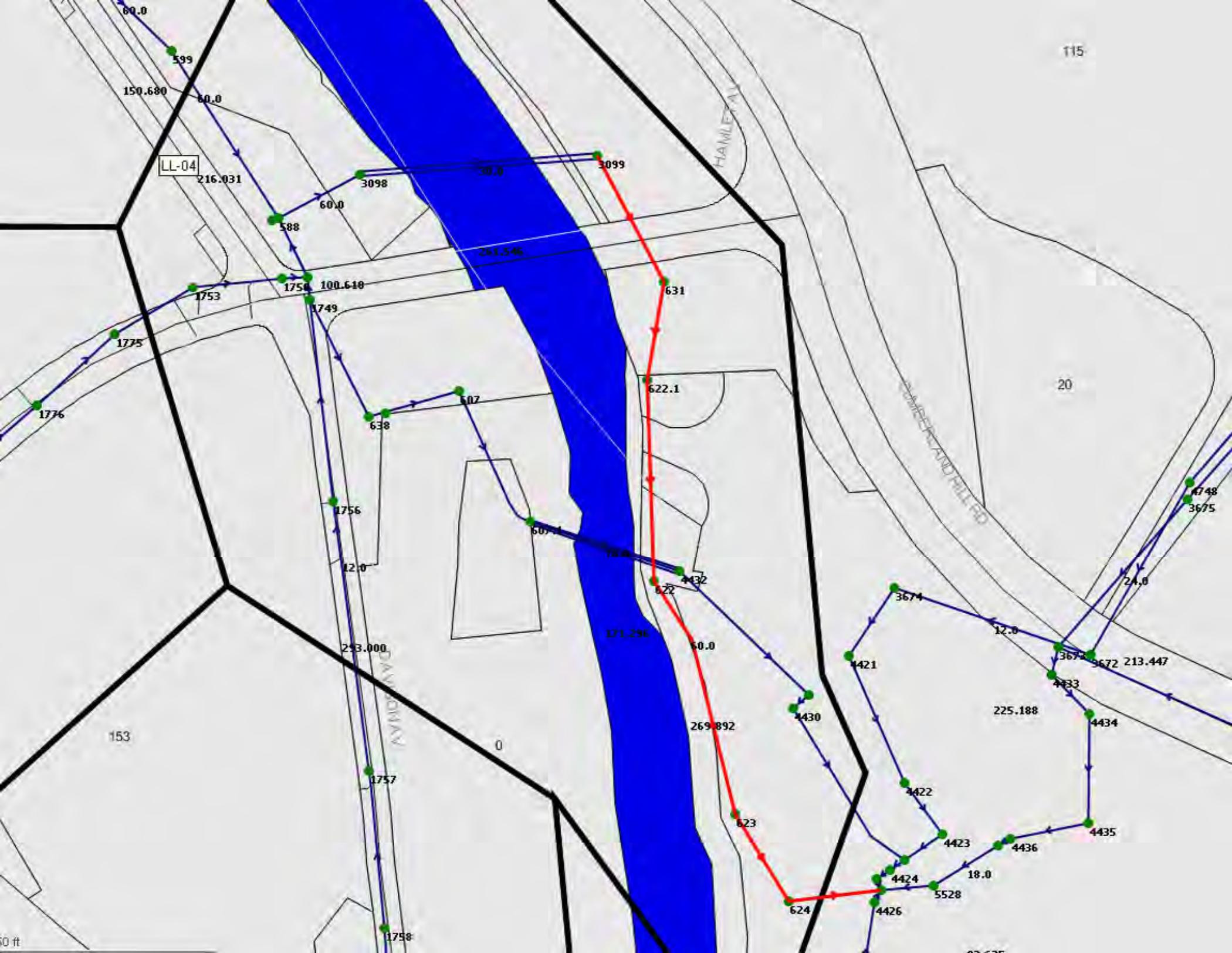
May be exposed to possible operations hazards including fumes, dust, toxic and caustic chemicals, noise, rotating machinery, high pressure and hot and cold temperatures, slippery surfaces, water and electrical hazards and confined spaces.

Physical Demands:

Amount of time spent – Standing 25%, Walking 75% for as many as five miles per shift. Requires close visual and hearing observation to detect non-conformance and machine malfunction. Constantly uses hands to finger, handle or feel and frequently reaches with hands and arms. Works in various positions; works on ladders, catwalks, and supports at heights of 50 feet above the ground; and works with hands extended above and below head and body up to 40 minutes using hand tools weighing up to 15 pounds. Must be able to lift and carry 50 pounds (occasionally 60 pounds) distances of 10 feet. Occasional stooping, bending or kneeling and entering confined spaces.

This job description is a general description of essential job functions. It is not intended as an employment contract, nor is it intended to describe all duties someone in this position may perform. All employees are expected to perform tasks as assigned by supervisory personnel, regardless of job title or routine job duties.

ATTACHMENT G



ATTACHMENT H



December 14, 2010

Report on the new Wastewater/Sewer Website

In August 3, 2007, USEPA has issued an Administrative Order for the City to conduct a **“Capacity, Management, Operation and Maintenance “CMOM” Program Assessment**. EPA gave the City 180 days to complete the CMOM Program Assessment. The City completed the self assessment on time and was submitted to EPA on January 8, 2008. The order also requires that the City file annual report with both EPA and RIDEM every January.

Part of the CMOM, EPA requires the City to describe in details, the City effort to public education/outreach program e.g. user rate, Fat, Oil and Grease (FOG) and Sanitary Sewer Overflow (SSO). The City notified EPA that the City will develop a website to educate the public on all the above subjects.

I have designed the new Wastewater/Sewer website which is published and can be accessed through the City Main website.

The following is the main page

Woonsocket Regional Wastewater Commission



- **Sewer Division**
- **Pretreatment Division**
- **Wastewater Plant**
- **City Ordinance pertaining to Sewer & Pretreatment**

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If the user clicks on the Sewer Division option, the following page will be accessible:

[WOONSOCKET HOMEPAGE](#) • [CITY CALENDAR](#) • [CONTACT US](#) • [SEARCH](#)

Sewer Division

- [Frequently Asked Questions](#)
 - [Information About Your Sewer](#)
 - [Woonsocket Sewer System](#)
 - [Proper Disposal/Recycling of Cooking Oil](#)
 - [What you need to know before hiring a Plumber](#)
 - [Annual Sewer Use Charges - RI Cities & Towns](#)
 - [City Sewer Policy](#)
 - [Contact Us](#)
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If the user selects Pretreatment option, the following page will be available:

Pretreatment Division



- [Frequently Asked Questions](#)
 - [Rates](#)
 - [Plant History](#)
 - [Pretreatment Annual Report for 2010](#)
 - [Contact Us](#)
 - [Permit Application](#)
 - [Permit Application - Restaurants](#)
 - [U.S. EPA](#)
 - [RIDEM](#)
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I will continue to develop and improve on Wastewater/Sewer website as needed.

In August 2010, EPA was notified that the Wastewater/Sewer website up and running.

Adel Banoub