

Board of Commissioners Consent Decree Information Sheet																																																										
Commissioner		District 4 – Chakira Johnson																																																								
Report Date		April 2025																																																								
Collection System Overview																																																										
District 4 contains more than 480 miles of sanitary sewer gravity mains and about 13,100 manholes. Most flows from District 4 are treated by the Snapfinger and Pole Bridge plants, with a portion treated by Atlanta or Gwinnett County. The County has completed assessment of the Priority Areas with the District and have identified about 125,000 LF as requiring rehabilitation while the remaining sewer mains within the Priority Areas will undergo upkeep in Maintenance Management System program. Assessment and maintenance of the sewers outside of the Priority Areas are ongoing.																																																										
Assessment Progress																																																										
Methodologies for assessment include smoke testing, in which non-toxic smoke is injected into the system to identify areas of potential I&I in the system; acoustic testing, which utilizes sound waves to detect breakages and voids; CCTV inspection, which provides a visual inspection of sewer lines; and, TISCIT which uses sonar to identify defects in large interceptor lines.																																																										
<div>Total Assessments Progress</div> <table><tr><th>Assessment Area</th><th>Total Length (LF)</th></tr><tr><td>Priority Areas</td><td>1,527,284</td></tr><tr><td>Complete</td><td>1,527,284</td></tr><tr><td>Other Areas</td><td>4,589,535</td></tr><tr><td>Complete</td><td>4,500,075</td></tr><tr><td>To Be Completed</td><td>89,459</td></tr><tr><td>Grand Total</td><td>6,116,818</td></tr></table>		Assessment Area	Total Length (LF)	Priority Areas	1,527,284	Complete	1,527,284	Other Areas	4,589,535	Complete	4,500,075	To Be Completed	89,459	Grand Total	6,116,818	<div>Assessments Completed by Type</div> <table><tr><th>Inspection Type</th><th>Total Length (LF) / Manhole Count</th></tr><tr><td>Priority Areas</td><td>1,527,284</td></tr><tr><td>Acoustic Inspection</td><td>563,007</td></tr><tr><td>CCTV Inspection</td><td>229,902</td></tr><tr><td>Manhole Condition Assessment</td><td>3,774</td></tr><tr><td>Point Repair</td><td>2,646</td></tr><tr><td>Sewer Cleaning</td><td>5,327</td></tr><tr><td>Smoke Testing</td><td>690,150</td></tr><tr><td>Sonar/TISCIT</td><td>32,478</td></tr><tr><td>Manhole Rehab / Replace</td><td>1</td></tr><tr><td>Other Areas</td><td>4,589,535</td></tr><tr><td>Acoustic Inspection</td><td>1,778,733</td></tr><tr><td>CCTV Inspection</td><td>1,040,276</td></tr><tr><td>Lining</td><td>8,724</td></tr><tr><td>Manhole Condition Assessment</td><td>7,945</td></tr><tr><td>Point Repair</td><td>2,339</td></tr><tr><td>Sewer Cleaning</td><td>99,710</td></tr><tr><td>Smoke Testing</td><td>1,418,763</td></tr><tr><td>Sonar/TISCIT</td><td>233,041</td></tr><tr><td>Manhole Rehab / Replace</td><td>4</td></tr><tr><td>Grand Total</td><td>6,116,818</td></tr></table>	Inspection Type	Total Length (LF) / Manhole Count	Priority Areas	1,527,284	Acoustic Inspection	563,007	CCTV Inspection	229,902	Manhole Condition Assessment	3,774	Point Repair	2,646	Sewer Cleaning	5,327	Smoke Testing	690,150	Sonar/TISCIT	32,478	Manhole Rehab / Replace	1	Other Areas	4,589,535	Acoustic Inspection	1,778,733	CCTV Inspection	1,040,276	Lining	8,724	Manhole Condition Assessment	7,945	Point Repair	2,339	Sewer Cleaning	99,710	Smoke Testing	1,418,763	Sonar/TISCIT	233,041	Manhole Rehab / Replace	4	Grand Total	6,116,818
		Assessment Area	Total Length (LF)																																																							
Priority Areas	1,527,284																																																									
Complete	1,527,284																																																									
Other Areas	4,589,535																																																									
Complete	4,500,075																																																									
To Be Completed	89,459																																																									
Grand Total	6,116,818																																																									
Inspection Type	Total Length (LF) / Manhole Count																																																									
Priority Areas	1,527,284																																																									
Acoustic Inspection	563,007																																																									
CCTV Inspection	229,902																																																									
Manhole Condition Assessment	3,774																																																									
Point Repair	2,646																																																									
Sewer Cleaning	5,327																																																									
Smoke Testing	690,150																																																									
Sonar/TISCIT	32,478																																																									
Manhole Rehab / Replace	1																																																									
Other Areas	4,589,535																																																									
Acoustic Inspection	1,778,733																																																									
CCTV Inspection	1,040,276																																																									
Lining	8,724																																																									
Manhole Condition Assessment	7,945																																																									
Point Repair	2,339																																																									
Sewer Cleaning	99,710																																																									
Smoke Testing	1,418,763																																																									
Sonar/TISCIT	233,041																																																									
Manhole Rehab / Replace	4																																																									
Grand Total	6,116,818																																																									

Preventative Maintenance

Preventative maintenance includes preventing the intrusion of roots, cleaning of lines, and ensuring access through easement clearing allow DWM to ensure the integrity of the system. Information reported is for Q1 of 2025 only.

Countywide – Q1-2025	Total	District 4 – Q1-2025	Total
Cleaning (LFt)	86,735	Cleaning (LFt)	6,952
Easement Clearing (SqFt)	5,476,114	Easement Clearing (SqFt)	1,655,289
Root Control (LFt)	111,596	Root Control (LFt)	25,525
Grand Total	5,674,445	Grand Total	1,687,766

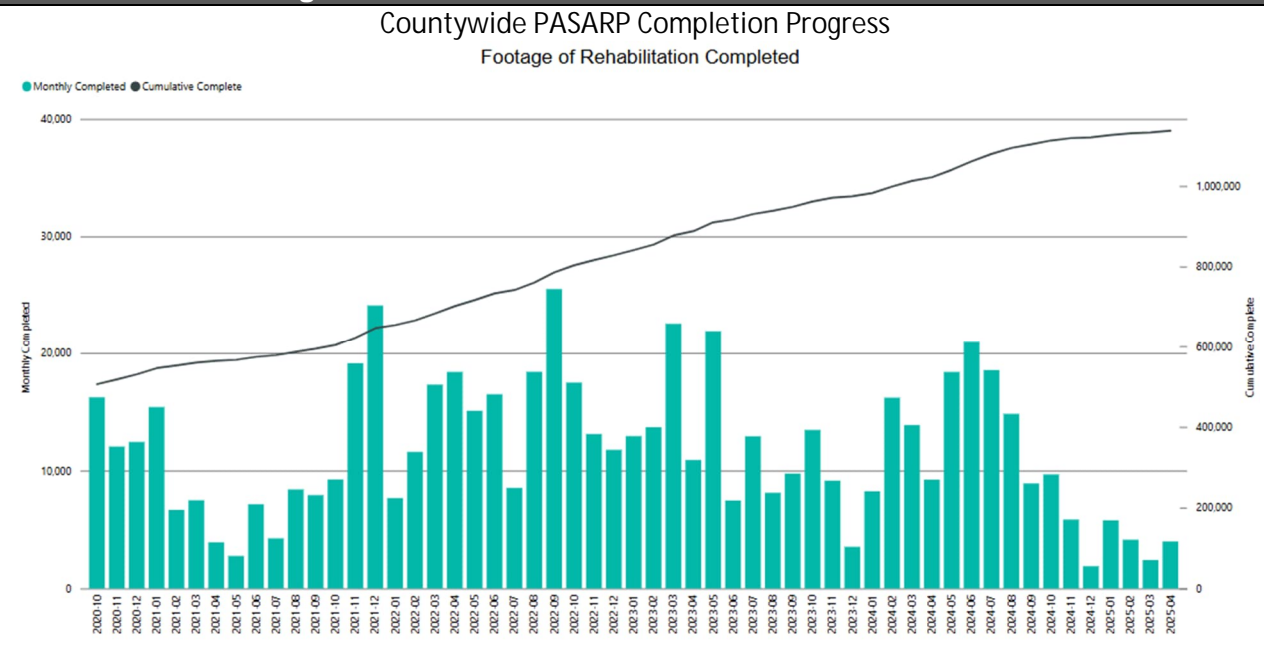
Priority Area Rehabilitation Progress

Priority Areas Progress		Rehabilitation Completed by Type	
	Total Length (LF)	Rehabilitation Method	Total Length (LF)
Contracted	255,131	Abandoned	9,084
Completed	177,512	Lining	144,773
In Progress	77,619	Point Repair	8,044
Not Contracted	6,970	Point Repair & Lining	782
In Progress	6,970	Replacement	14,830
Grand Total	262,101	Grand Total	177,512

Lift Stations & Force Mains

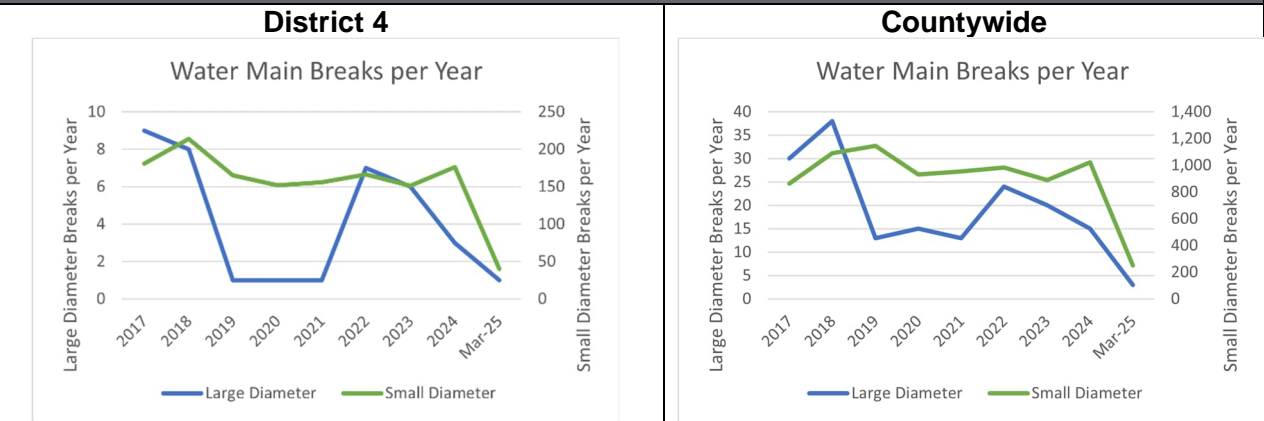
Sewer lift stations pump untreated wastewater via a force main from lower lying areas to areas that will allow for gravity flow of the wastewater to a treatment facility. District 4 has 13 lift stations and 17,500 LF of force main to ensure the proper collection of wastewater. All planned lift station rehabilitation in District 2 was completed by the end of 2019, and routine maintenance is ongoing.

Overall PASARP Progress



Board of Commissioners Water System Information Sheet																														
Commissioner		District 4 – Chakira Johnson																												
Report Date		April 2025																												
Distribution System Overview																														
District 4 contains more than 530 miles of small diameter (less than 16”) water mains and more than 55 miles of large diameter (greater than 16”) water mains. The system in District 4 contains more than 4,900 fire hydrants to support fire protection efforts. There are 2 water tanks in District 4, the Tucker elevated tank, and the Avondale elevated tank. The Avondale tank is currently planned for replacement. The tanks help to manage water pressure during periods of peak demand.																														
Small Diameter System Details																														
<table><tr><th>Pipe Construction</th><th>Feet</th><th>Miles</th></tr><tr><td>Asbestos Cement</td><td>539,268</td><td>102.1</td></tr><tr><td>Cast Iron</td><td>672,246</td><td>127.3</td></tr><tr><td>Copper</td><td>179,480</td><td>34.0</td></tr><tr><td>Ductile Iron</td><td>998,030</td><td>189.0</td></tr><tr><td>Galvanized</td><td>54,318</td><td>10.3</td></tr><tr><td>PVC</td><td>390,455</td><td>73.9</td></tr><tr><td>Other / Unknown</td><td>20,006</td><td>3.8</td></tr><tr><td>Total Feet</td><td>2,833,796</td><td>536.7</td></tr></table>				Pipe Construction	Feet	Miles	Asbestos Cement	539,268	102.1	Cast Iron	672,246	127.3	Copper	179,480	34.0	Ductile Iron	998,030	189.0	Galvanized	54,318	10.3	PVC	390,455	73.9	Other / Unknown	20,006	3.8	Total Feet	2,833,796	536.7
Pipe Construction	Feet	Miles																												
Asbestos Cement	539,268	102.1																												
Cast Iron	672,246	127.3																												
Copper	179,480	34.0																												
Ductile Iron	998,030	189.0																												
Galvanized	54,318	10.3																												
PVC	390,455	73.9																												
Other / Unknown	20,006	3.8																												
Total Feet	2,833,796	536.7																												
Large Diameter System Details																														
<table><tr><th>Pipe Construction</th><th>Feet</th><th>Miles</th></tr><tr><td>Cast Iron</td><td>29,081</td><td>5.5</td></tr><tr><td>Carbon Steel</td><td>97,238</td><td>18.4</td></tr><tr><td>Ductile Iron</td><td>120,369</td><td>22.8</td></tr><tr><td>Prestressed Concrete Cylinder Pipe</td><td>45,870</td><td>8.7</td></tr><tr><td>Other / Unknown</td><td>0</td><td>0.0</td></tr><tr><td>Total Feet</td><td>292,557</td><td>55.4</td></tr></table>				Pipe Construction	Feet	Miles	Cast Iron	29,081	5.5	Carbon Steel	97,238	18.4	Ductile Iron	120,369	22.8	Prestressed Concrete Cylinder Pipe	45,870	8.7	Other / Unknown	0	0.0	Total Feet	292,557	55.4						
Pipe Construction	Feet	Miles																												
Cast Iron	29,081	5.5																												
Carbon Steel	97,238	18.4																												
Ductile Iron	120,369	22.8																												
Prestressed Concrete Cylinder Pipe	45,870	8.7																												
Other / Unknown	0	0.0																												
Total Feet	292,557	55.4																												
Water Main Breaks Since 2017																														
District 4 Breaks since 2017		Countywide Breaks since 2017																												
Large Diameter	37	Large Diameter	171																											
Small Diameter	1,401	Small Diameter	8,127																											

Water Main Breaks Since 2017



Key Upcoming Projects

Project Name	Benefit
Roman Court CD Sewer Upsizing	Capacity related upsizing of sewer primarily in same trench or realignment
PCCP Transmission Main Replacement Phase B (Avondale)	Replacement of deteriorated PCCP water transmission mains
Avondale Water Tank Replacement	Replacement of existing elevated storage tank