

Board of Commissioners Consent Decree Information Sheet

Commissioner District 4 – Chakira Johnson

Report Date January 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.

Total Assessments Progress		Assessments Completed by Type	
		Inspection Type	Total Length (LF) / Manhole Count
Assessment Area	Total Length (LF)	Priority Areas	1,524,856
Priority Areas	1,524,856	Acoustic Inspection	563,035
Complete	1,524,856	CCTV Inspection	224,422
Other Areas	4,145,925	Manhole Condition Assessment	3,775
Complete	4,105,184	Sewer Cleaning	10,969
To Be Completed	40,742	Smoke Test	690,178
Grand Total	5,670,782	Sonar/TISCIT	32,478
		Other Areas	4,145,925
		Acoustic Inspection	1,449,784
		CCTV Inspection	978,858
		CCTV Inspection with rehab	5,678
		Manhole Condition Assessment	7,748
		Sewer Cleaning	56,434
		Smoke Test	1,420,064
		Sonar/TISCIT	227,360
		Grand Total	5,670,782

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 & Q2 of 2024 only.

Countywide Q1/2-2024		Total	CD 4 - Q1/2-2024		Total
Easement Clearing (SqFt)	2,152,938		Easement Clearing (SqFt)	0	
Cleaning (LF)	535,640		Cleaning (LF)	54,540	
Root Control (LF)	769,187		Root Control (LF)	156,631	
Grand Total	3,457,765		Grand Total	211,171	

Priority Area Rehabilitation Progress

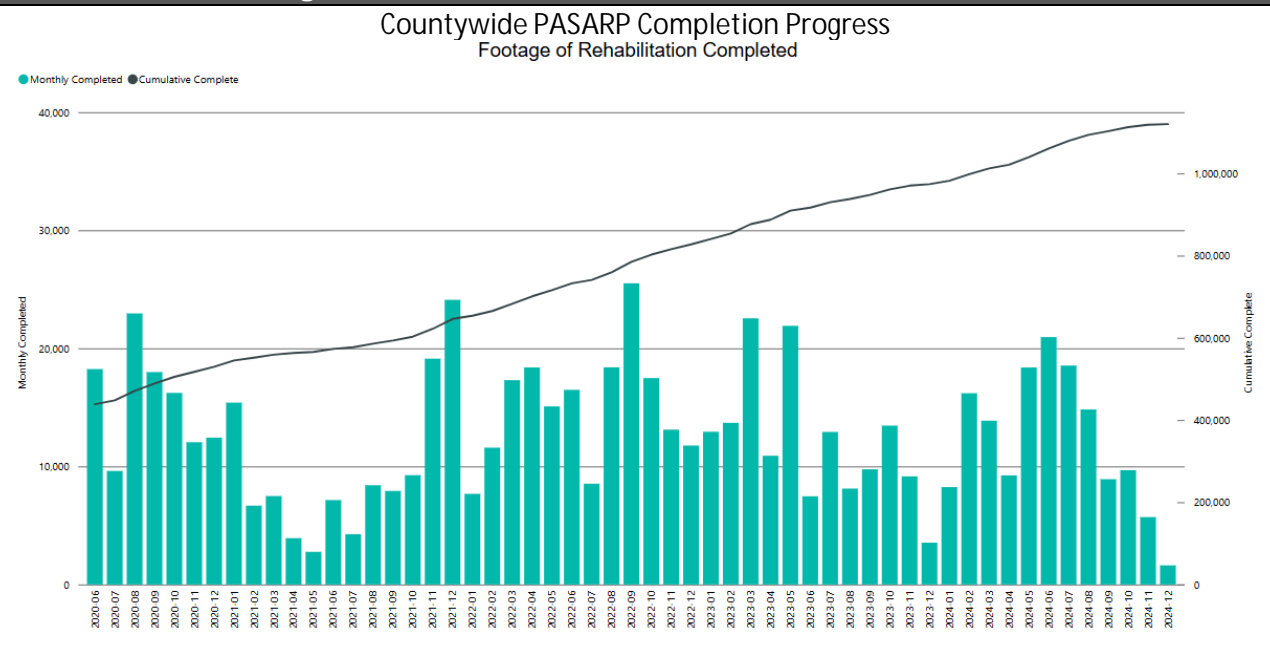
Priority Areas Progress	
	Total Length (LF)
Contracted	231,403
Completed	168,149
In Progress	63,254
Not Contracted	6,970
In Progress	6,970
Grand Total	238,373

Rehabilitation Completed by Type	
Rehabilitation Method	Total Length (LF)
Abandoned	9,084
Lining	135,410
Point Repair	8,044
Point Repair & Lining	782
Replacement	14,830
Grand Total	168,149

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 January 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

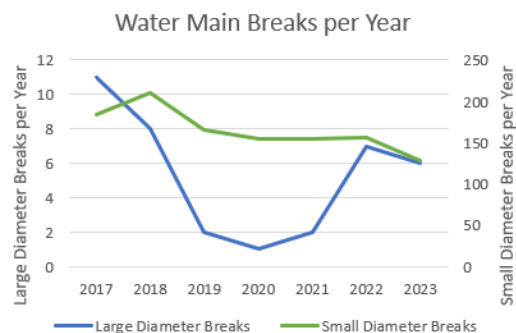
Pipe Construction	Feet	Miles
Asbestos Cement	539,268	102.1
Cast Iron	672,246	127.3
Copper	179,480	34.0
Ductile Iron	998,030	189.0
Galvanized	54,318	10.3
PVC	390,455	73.9
Other / Unknown	20,006	3.8
Total Feet	2,833,796	536.7

Large Diameter System Details

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	
Large Diameter	35
Small Diameter	1,253



Key Upcoming Projects	
Project Name	Benefit
Scott Boulevard Phase 3 Water Main Replacement	Replacement of deteriorated cast iron water transmission main
PCCP Transmission Main Replacement Phase B (Avondale)	Replacement of deteriorated PCCP water transmission mains
Avondale Water Tank Replacement	Replacement of existing elevated storage tank