

Board of Commissioners Consent Decree Information Sheet

Commissioner District 3 – Nicole Massiah

Report Date January 2025

Collection System Overview

District 3 contains more than 550 miles of sanitary sewer gravity mains and about 13,600 manholes. Most flows from District 3 are treated at the Snapfinger Plant, and some flows are directed toward Atlanta’s South River WRF. The County has completed assessment of the Priority Areas with the District and have identified about 240,000 LF as requiring rehabilitation while the remaining sewer mains within the Priority Areas will undergo upkeep in Maintenance Management System program. Assessments 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.

		Assessments Completed by Type	
		Inspection Type	Total Length (LF) / Manhole Count
Total Assessments Progress			
Assessment Area	Total Length (LF)		
Priority Areas	2,327,013	Priority Areas	2,327,013
Complete	2,327,013	Acoustic Inspection	918,476
Other Areas	4,035,610	CCTV Inspection	300,372
Complete	3,981,963	Manhole Condition Assessment	5,066
To Be Completed	53,647	Sewer Cleaning	9,682
Grand Total	6,362,624	Smoke Test	1,004,175
		Sonar/TISCIT	89,242
		Other Areas	4,035,610
		Acoustic Inspection	1,228,422
		CCTV Inspection	1,010,148
		CCTV Inspection with rehab	12,728
		Manhole Condition Assessment	4,055
		Sewer Cleaning	101,866
		Smoke Test	1,253,008
		Sonar/TISCIT	425,382
		Grand Total	6,362,624

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 3 - Q1/2-2024		Total
Easement Clearing (SqFt)	2,152,938		Easement Clearing (SqFt)	0	
Cleaning (LF)	535,640		Cleaning (LF)	146,981	
Root Control (LF)	769,187		Root Control (LF)	141,988	
Grand Total	3,457,765		Grand Total	288,969	

Priority Area Rehabilitation Progress

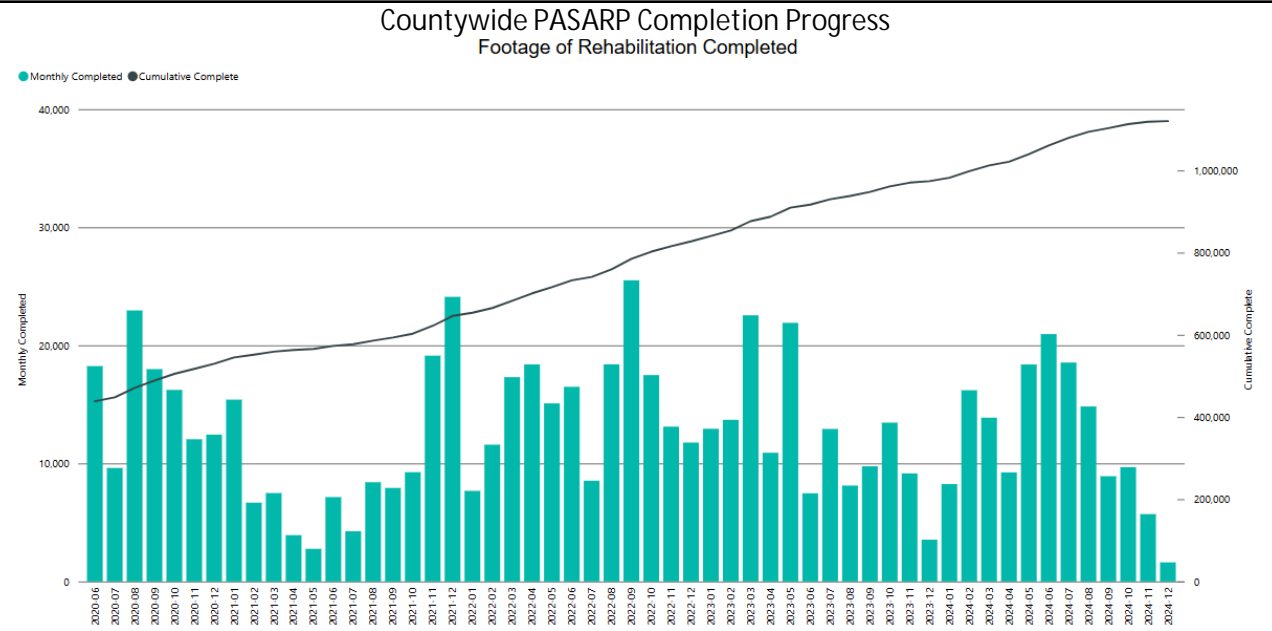
Priority Areas Progress	
	Total Length (LF)
Contracted	269,447
Completed	235,727
In Progress	33,720
Not Contracted	17,375
In Progress	17,375
Grand Total	286,822

Rehabilitation Completed by Type	
Rehabilitation Method	Total Length (LF)
Abandoned	3,006
Lining	220,170
Replacement	11,503
Assessment	1,048
Grand Total	235,727

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. Commission District 3 has 3 lift stations and 3,700 LF of force main to ensure the proper collection of wastewater. All rehabilitation work for lift stations in District 3 was completed by the end of 2019, and routine maintenance is ongoing.

Overall PASARP Progress



Board of Commissioners Water System Information Sheet

Commissioner District 3 – Nicole Massiah

Report Date January 2025

Distribution System Overview

District 3 contains more than 560 miles of small diameter (less than 16”) water mains and more than 36 miles of large diameter (greater than 16”) water mains. The system in District 3 contains more than 4,400 fire hydrants to support fire protection efforts. There are 7 water tanks in District 3, at Columbia Drive, Whites Mill Road, McAfee Road, and Wesley Chapel Road. The tanks help to manage water pressure during periods of peak demand.

Small Diameter System Details

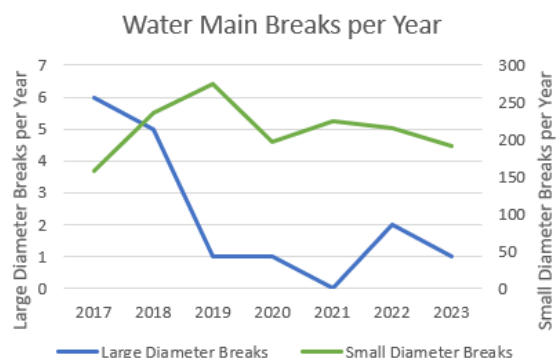
Pipe Construction	Feet	Miles
Asbestos Cement	628,740	119.1
Cast Iron	976,699	185.0
Copper	173,044	32.8
Ductile Iron	1,014,563	192.2
Galvanized	97,360	18.4
PVC	90,809	17.2
Other / Unknown	15,911	3.0
Total Feet	2,981,216	564.6

Large Diameter System Details

Pipe Construction	Feet	Miles
Cast Iron	12,814	2.4
Carbon Steel	82,938	15.7
Ductile Iron	90,913	17.2
Prestressed Concrete Cylinder Pipe	5,976	1.1
Other / Unknown	6	0.0
Total Feet	192,641	36.5

Water Main Breaks Since 2017

District 3 Breaks since 2017	
Large Diameter	16
Small Diameter	1,649



Key Upcoming Projects	
Project Name	Benefit
PCCP Transmission Main Replacement Phase A (Glendale)	Replacement of deteriorated PCCP water transmission mains
Miriam/Ousley Area Water Main Replacement (Phase 2)	Replacement of deteriorated cast iron and asbestos cement water mains
Columbia Water Tank Replacement (steel)	Replacement of existing storage tank & Pump Station