

Board of Commissioners Consent Decree Information Sheet

Commissioner District 1 – Robert Patrick

Report Date January 2025

Collection System Overview

District 1 contains more than 570 miles of sanitary sewer gravity mains and about 15,700 manholes. Most flows from District 1 are directed toward Atlanta’s RM Clayton WRF. The County has completed assessment of the Priority Areas with the District and have identified about 210,000 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.

		Assessments Completed by Type	
		Inspection Type	Total Length (LF) / Manhole Count
Total Assessments Progress			
Assessment Area	Total Length (LF)		
Priority Areas	1,532,124	Priority Areas	1,532,124
Complete	1,532,124	Acoustic Inspection	467,822
Other Areas	4,382,206	CCTV Inspection	281,608
Complete	4,304,713	Manhole Condition Assessment	3,703
To Be Completed	77,494	Sewer Cleaning	19,485
Grand Total	5,914,330	Smoke Test	757,107
		Sonar/TISCIT	2,400
		Other Areas	4,382,206
		Acoustic Inspection	1,224,745
		CCTV Inspection	1,156,386
		CCTV Inspection with rehab	350
		Manhole Condition Assessment	7,260
		Sewer Cleaning	87,172
		Smoke Test	1,520,468
		Sonar/TISCIT	385,825
		Grand Total	5,914,330

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 1 - Q1/2-2024		Total
Easement Clearing (SqFt)	2,152,938		Easement Clearing (SqFt)	2,152,938	
Cleaning (LF)	535,640		Cleaning (LF)	121,004	
Root Control (LF)	769,187		Root Control (LF)	142,930	
Grand Total	3,457,765		Grand Total	2,416,872	

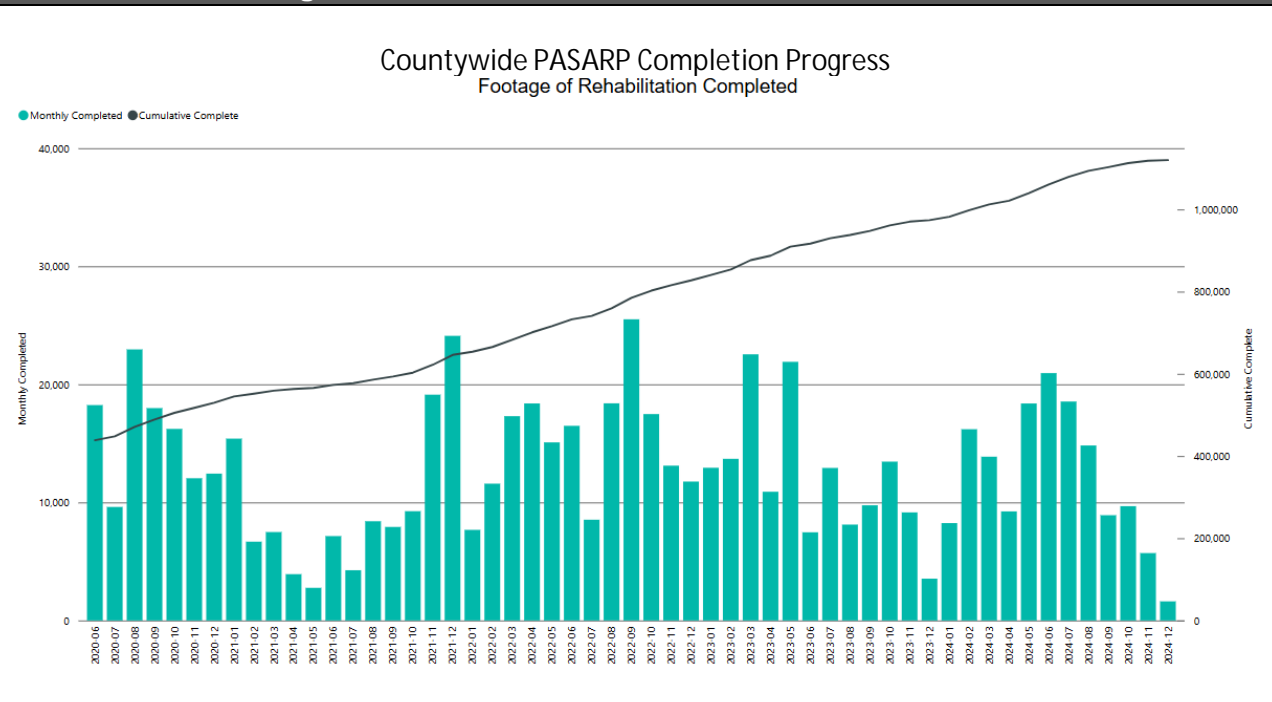
Priority Area Rehabilitation Progress

Priority Areas Progress		Rehabilitation Completed by Type	
	Total Length (LF)	Rehabilitation Method	Total Length (LF)
Contracted	240,200	Abandoned	301
Completed	187,444	Lining	167,919
In Progress	52,756	Point Repair	6,053
Not Contracted	6,215	Point Repair & Lining	544
In Progress	6,215	Replacement	12,627
Grand Total	246,415	Grand Total	187,444

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 1 has 15 lift stations and 27,000 LF of force main to ensure the proper collection of wastewater. All planned lift station rehabilitation was completed by the end of 2019.

Overall PASARP Progress



Board of Commissioners Water System Information Sheet

Commissioner District 1 – Robert Patrick

Report Date January 2025

Distribution System Overview

District 1 contains more than 592 miles of small diameter (less than 16”) water mains and more than 53 miles of large diameter (greater than 16”) water mains. The system in District 1 contains more than 5,100 fire hydrants to support fire protection efforts. District 1 is home to the Scott Candler Water Treatment Plant – the sole source of potable water for DeKalb County. There are a total of 8 water storage tanks in District 1 – 5 at the Scott Candler WTP, 2 in Dunwoody, and the ground storage tank in Tucker. These tanks help to manage water pressure during periods of peak demand.

Small Diameter System Details

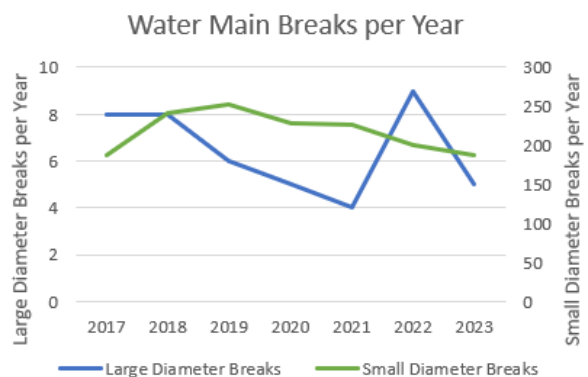
Pipe Construction	Feet	Miles
Asbestos Cement	1,042,963	197.5
Cast Iron	743,228	140.8
Copper	208,446	39.5
Ductile Iron	819,142	155.1
Galvanized	47,609	9.0
PVC	263,939	50.0
Other / Unknown	5,578	1.1
Total Feet	3,125,328	592.1

Large Diameter System Details

Pipe Construction	Feet	Miles
Cast Iron	36,551	6.9
Carbon Steel	127,681	24.2
Ductile Iron	117,149	22.2
Prestressed Concrete Cylinder Pipe	0	0.0
Other / Unknown	41	0.0
Total Feet	281,381	53.3

Water Main Breaks Since 2017

District 1 Breaks since 2017	
Large Diameter	46
Small Diameter	1,645



Key Upcoming Projects	
Project Name	Benefit
SCWTP Clearwells	Two new clearwells and associated pump station to add redundancy to plant operations
60" Transmission Main Phase A	New 60" transmission main to help with current and future water demands throughout the County
Peachtree Industrial Blvd 30" Transmission Main Replacement	Replacement of existing 30" transmission main experiencing frequent failures