

City of Alexandria Sanitary Sewer Asset Renewal Program

Assessing and Rehabilitating the City's Sanitary Sewer System



Asset Renewal Program Overview

In 2020, the City of Alexandria initiated a long-term program to renew the City's aging sewer system. **Our goal? To improve the reliability and level of service to our City's communities.** This program involves a continuous system of asset inspection and rehabilitation, allowing for time- and cost-efficient rehabilitation. The City takes improvement and reliability of our sewer system seriously. That is why we are performing major sewer rehabilitation work, and why we continue to create new initiatives that engage stakeholders, including residents, businesses, community organizations, and local government officials, in the planning, implementation, and monitoring of our Sewer Asset Renewal Programs. We aim to foster transparency, accountability, and public support for infrastructure improvements.

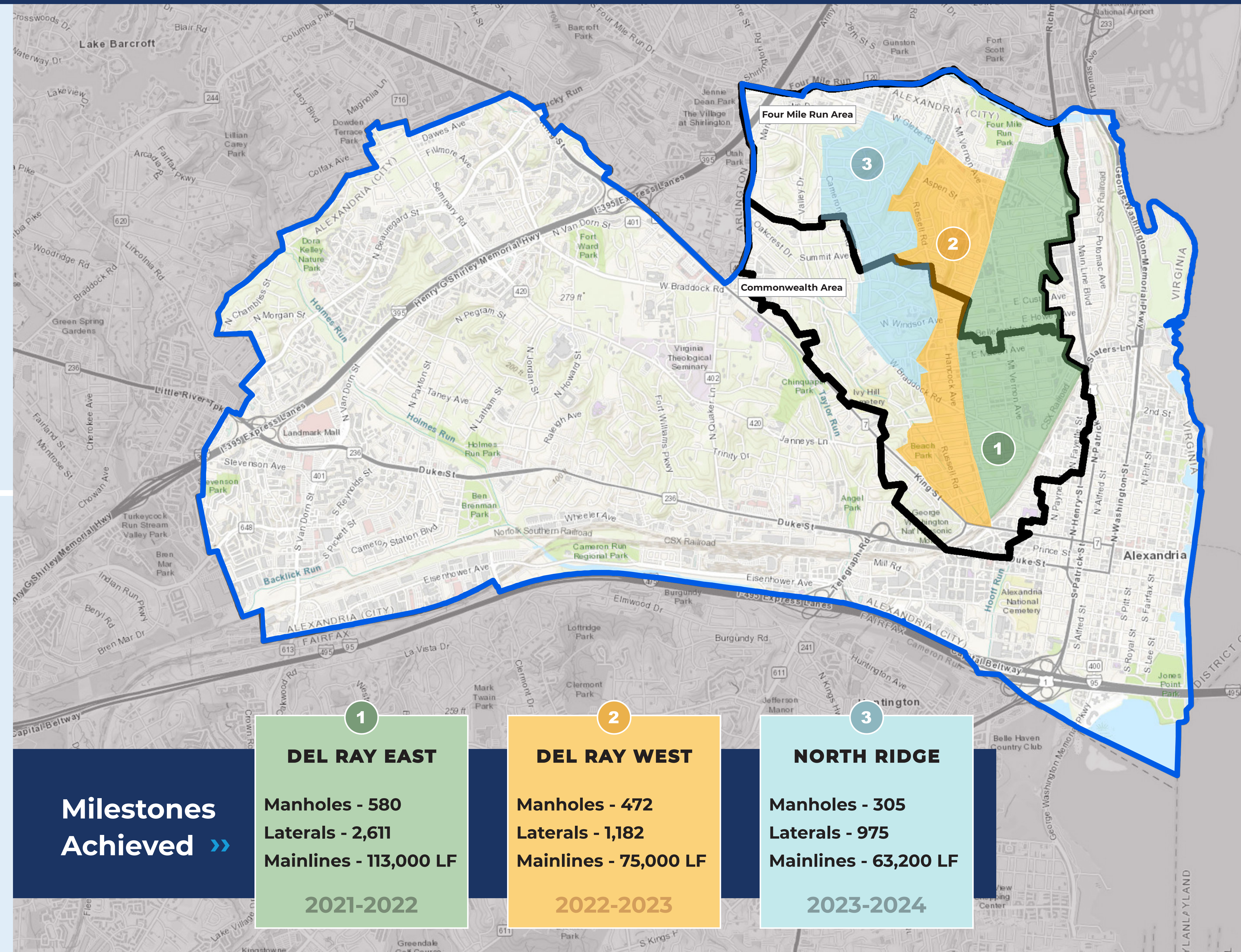
Goals of the Asset Renewal Program

- Alexandria has some of the most historic infrastructure in the DC Metro area. The Asset Renewal Program will help to preserve the integrity of the aging sewer system and provide reliable service for decades to come.
- Improve the condition and lifespan of sewer systems by repairing, replacing, or upgrading deteriorating or aging infrastructure components such as pipes and manholes.
- Implement proactive maintenance strategies to prevent system failures and mitigate the need for emergency repairs, reducing operational costs and disruptions to service.
- Provide an accelerated schedule of condition assessment and rehabilitation through a streamlined inspection, design, and rehabilitation sequence.
- Optimize asset management practices to prioritize investments, allocate resources effectively, and maximize the return on investment in sewer infrastructure renewal projects.

What does the Asset Renewal Program Involve?

This Asset Renewal Program consists of a multiphase approach to simultaneously:

- Evaluate the current structural and operational state of the sewer system structures (manholes, catch basins, & inlets).
- Conduct closed circuit television (CCTV) investigations based on data collected during the structure inspections.
- Develop, design, and implement a sewer system rehabilitation plans.



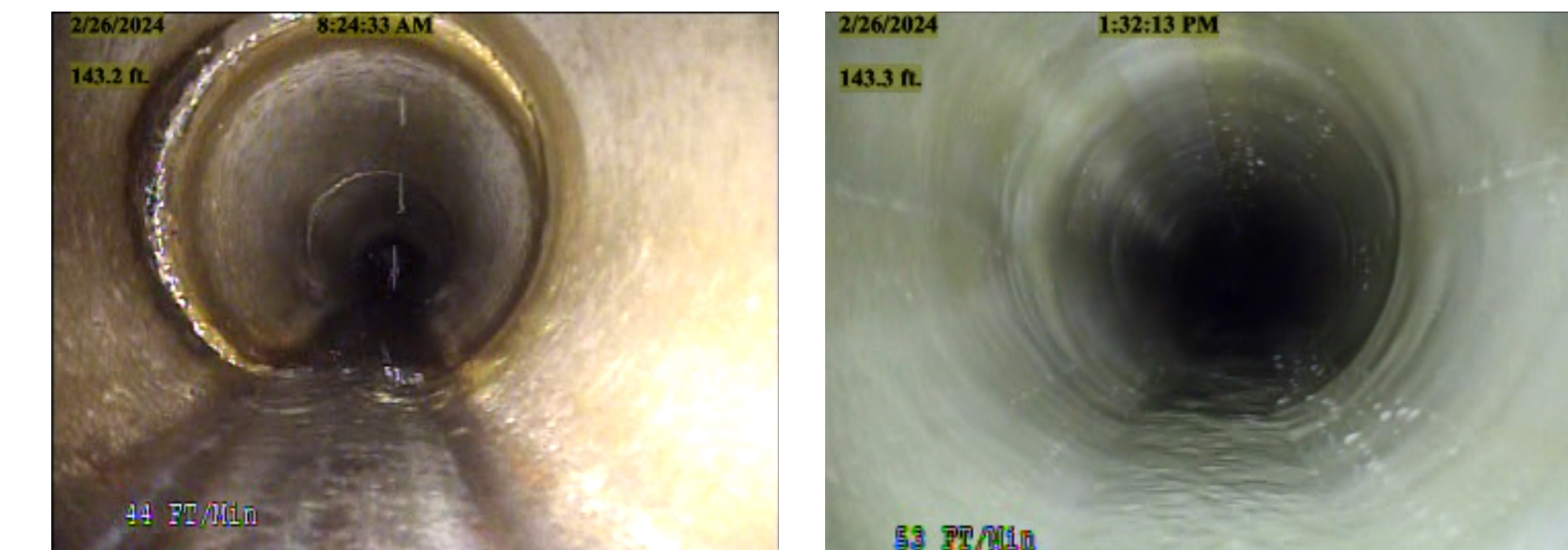
Comprehensive assessment of the sewer system and its components enables us to target specific locations for rehabilitation so we can invest in the neighborhoods that need it most. Recently, we have completed manhole and sewer line condition assessment in the North Ridge, Del Ray West, and Del Ray East sewersheds.

Our targeted asset renewal approach empowers our team to rehabilitate the sewer system components that matter most.



Snapshot of Our Renewal Efforts

Sewer Mainline Renewal



Manhole Renewal



Manhole Renewal



Other Initiatives

The City of Alexandria is doing more than sewer system asset renewal. Visit www.alexandriava.gov/sewers for more information regarding the following initiatives, all of which aim to improve the quality and reliability of the City's sewer services.

- >> City Assistance Program for Sewer Backflow Prevention
- >> Fats, Oils and Grease (FOG) Reduction Program
- >> Manhole Insert Program

What can you do to help?

- Yield for inspection crews as they inspect sewer structures in the roadway and side walks.
- Report any clogged inlets and catch basins you may see in your neighborhood via Alex 311.
- If you have any questions or concerns about sewer structures and/or sewer system operations in your neighborhood, contact the Sanitary Infrastructure Division at (703) 746-4014.
- Visit www.alexandriava.gov/sewers for more information.