



Prince George's County Council Special Meeting

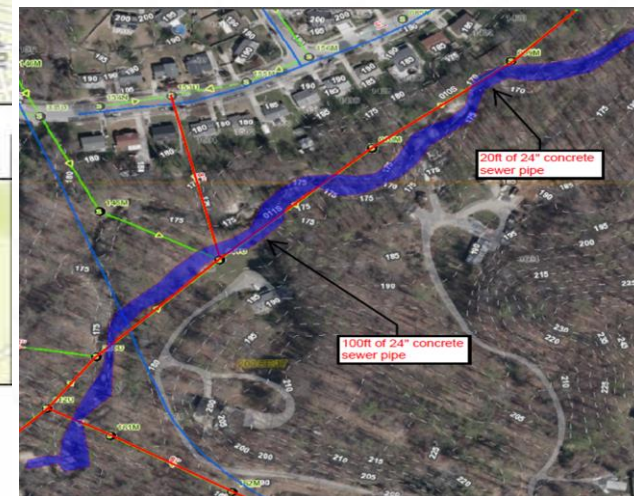
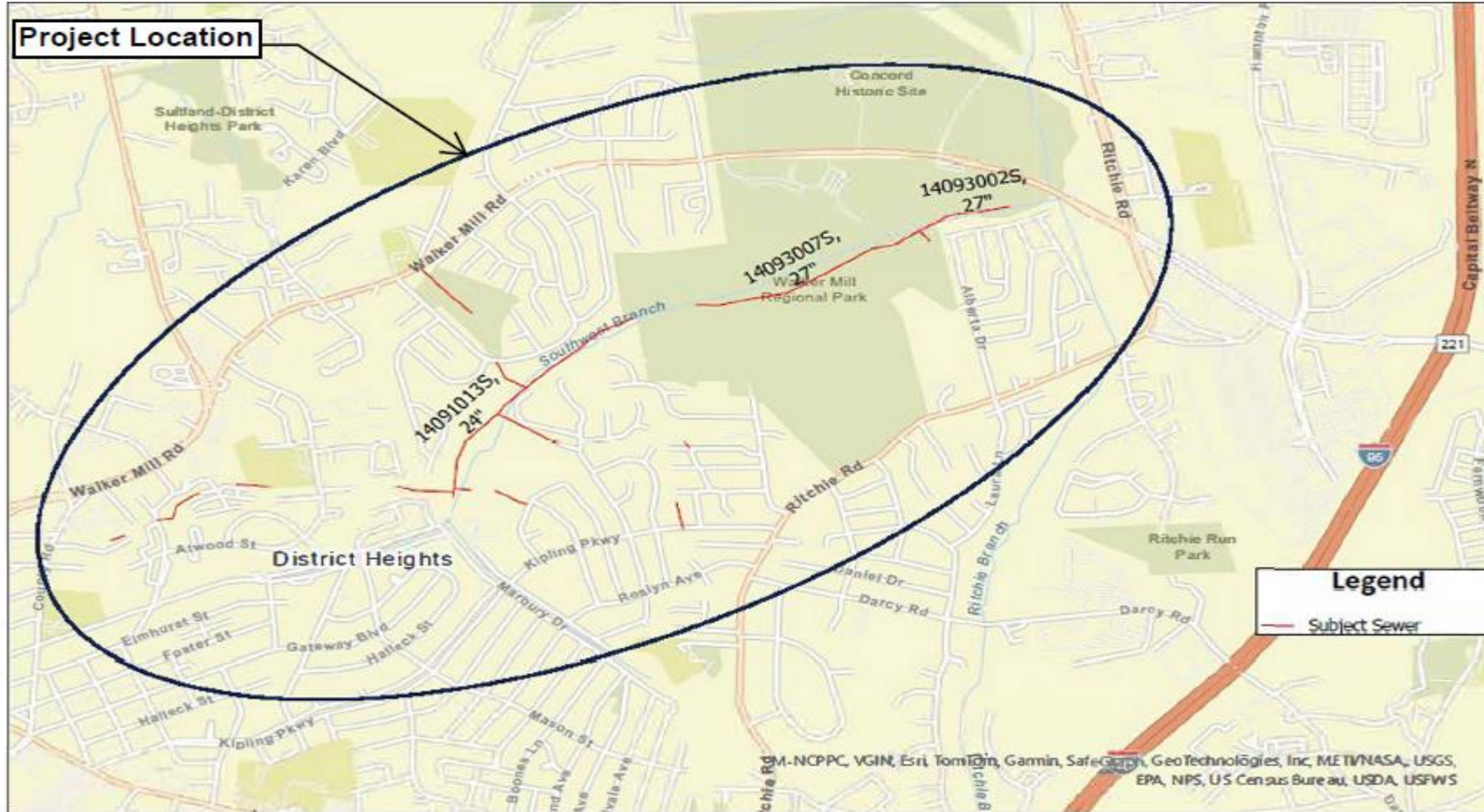
Western Branch Rehabilitation Project

Pipeline Design Division

Patricia Vaughan-Braimbridge, Section Manager

May 9, 2024

Western Branch Sewer Improvements and Stream Stabilization Project Location Map



Western Branch Sewer Improvements and Stream Stabilization



Project

This project is in the Forestville neighborhood of District Heights in Prince George's County Maryland. It rehabilitates 2.3 miles of sewer mains; 16 manholes, and sewer laterals in the Environmental Sensitive Areas (ESA). The rehab methods are the replacement and lining of sewer mains, manholes, and sewer laterals; The armoring protection of exposed pipes and manholes; and the stabilization of stream bank and bed. This project is in an Environmental Justice Area (EJA)

Existing Condition

The sewer network servicing this area is over 75 years old and is in a deteriorated condition. The sewer system has defects such as surface spalling, suspect joints with deposit attached encrustation, grease, fine roots, and mineral deposits in the main line.



Western Branch Sewer Improvements and Stream Stabilization



How will this project help the service area?

Service Delivery

- This project will benefit ratepayers by preventing and eliminating inflow and infiltration (I/I), preventing basement backups and sanitary Sewage Overflows (SSO), and reducing sewage flows to the Wastewater Treatment Plant (WWTP)
- This project will significantly improve residents' quality of life by facilitating proper waste disposal and eliminating unpleasant odors and unsanitary conditions

Financial Stewardship

- The armoring protection of the sewer assets will Stabilize the stream beds and banks benefiting the County MS4 program and the Chesapeake Bay. Also, improving fish passage

Operational Reliability and Resilience

- This project will promote better sanitation and hygiene, reducing the risk of waterborne diseases in the community

Diversity, Equity, and Inclusion and Environmental Justice (DEI & EJ)

- This project includes minority-owned, women-owned business partners
- This project serves 4190 residential customers and 127 commercial customers within a designated Environment Justice Area (EJA)

Regulatory Challenges

- As with all projects located within the Environmentally sensitive areas, WSSC Water must abide by all Federal, State, and Local environmental regulations which require specialized construction access roads that will minimize the disturbance to the woodlands and vegetation.



Western Branch Sewer Improvements and Stream Stabilization



Project Cost & Duration

- Design Completed
 - Cost: \$341,972.33
 - Design duration - 24 months
 - Consultant - Remington & Vernick Engineers (RVE)

- Construction
 - Estimated start date: Summer 2024
 - Estimated finish date: Summer 2025
 - Estimated construction cost: \$8,200,000



Questions?