

Basin C Sewer Rehabilitation Project

Why Does the Sewer Need Rehabilitation?

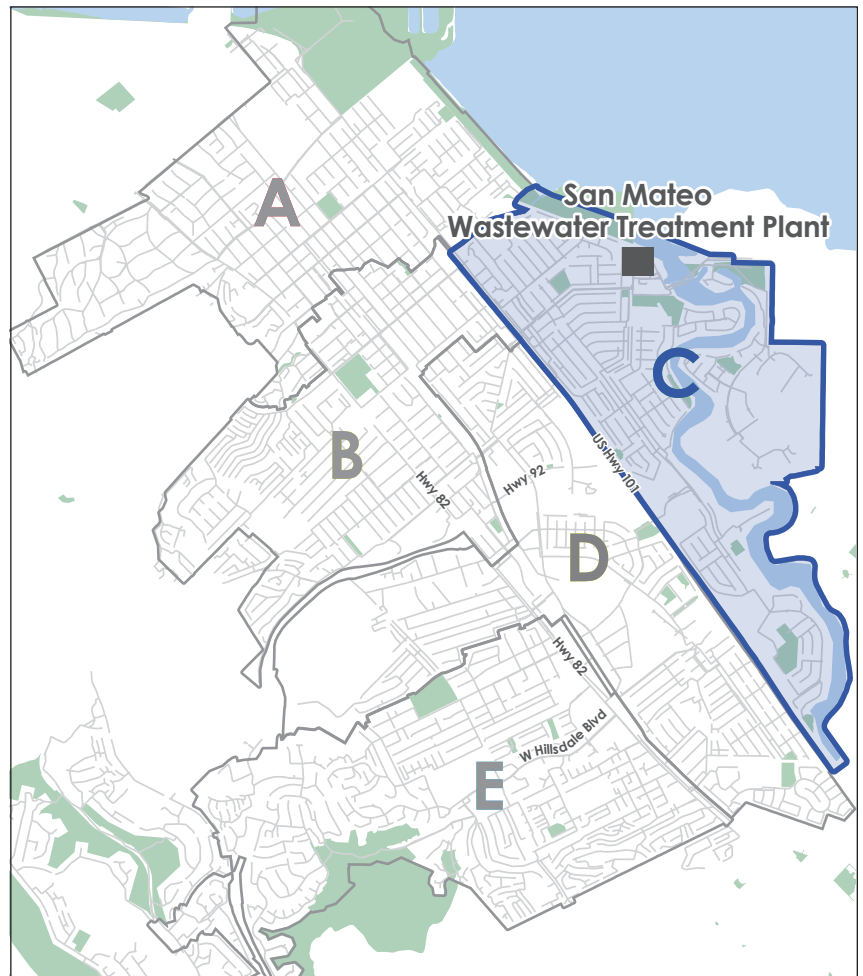
Over time, the ground can shift, roots can penetrate, and traffic can affect sewer pipes – causing them to settle and crack, allowing rainwater and groundwater to enter the system. This rehabilitation project is needed to meet regulatory requirements and prevent infiltration that can lead to overflows. The purpose of this project is to proactively upgrade and rehabilitate aging pipes and manholes to ensure proper operation into the future.

Where Will the Work Occur?

The work in Basin C will occur at multiple sites within the public right-of-way (ROW) and within easements on private property, including front yards, backyards, and driveways. This basin serves as the collection system for public and commercial centers, such as the Bridgepointe Shopping Center and the San Mateo Wastewater Treatment Plant, as well as several residential neighborhoods, including Shoreview, Parkside, Marina Lagoon, Marina Gardens, Lakeshore, Mariner's Green, Harbor Town, and Laguna Vista.

Where is Basin C?

San Mateo's stormwater and wastewater collection system is divided into five major sewer basins. Basin C includes areas between J Hart Clinton Drive and Kimberley Way on the eastern side of Highway 101.



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About the Clean Water Program

The Clean Water Program is a 10-year comprehensive plan to upgrade the aging wastewater collection and treatment system with advanced infrastructure that will provide reliable services and protect public health and the environment for years to come.

Project Description

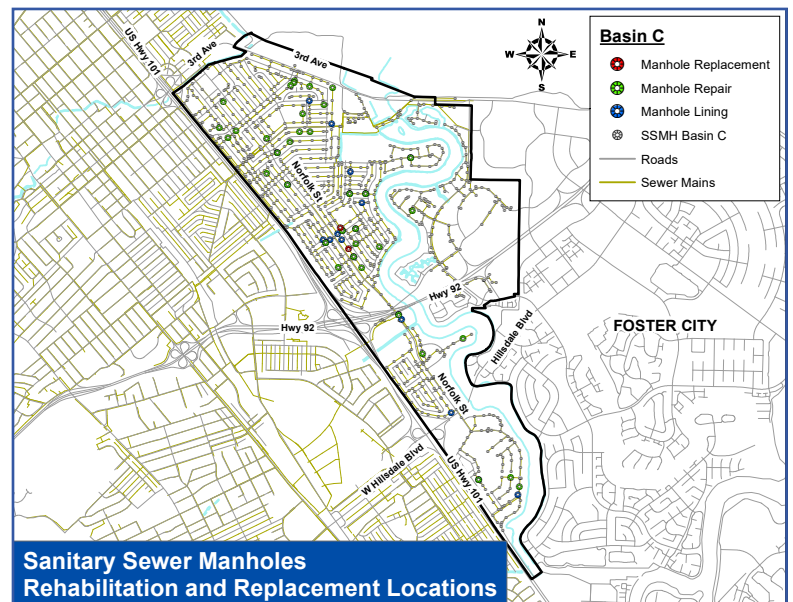
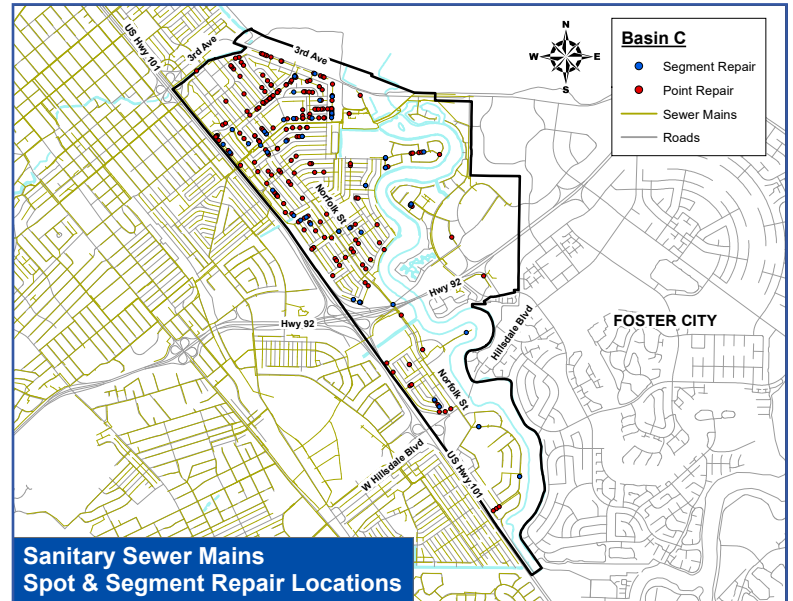
Repair needs were first identified based on video surveillance data collected using closed-circuit television (CCTV) cameras to assess the condition of the pipes. The results were used to identify problem areas in the Basin C collection system.

This project focuses on two types of work:

- Gravity Sewer System – Spot and segment repairs
- Manholes – Repairs and replacements

During this project, our contractors will repair damaged or displaced 6-, 8-, 10-, 18-, and 21-inch-diameter sanitary sewer mains with the same size polyvinyl chloride (PVC) pipe at 259 locations.

Work also includes rehabilitating 118 manholes with lining, repairing channels and benches, and fully removing and replacing select manholes. Common manhole rehabilitation methods include (1) replacing the frame and cover, (2) applying cement mortar as a binding agent to the inside, and (3) applying epoxy liner to the inside for resurfacing.



Project Timeline

Project Assessment Using CCTV data

