

Engineering & Capital Projects
Department

City of San Diego Pipeline Rehabilitation TierraSanta Improv 2

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October 18, 2023

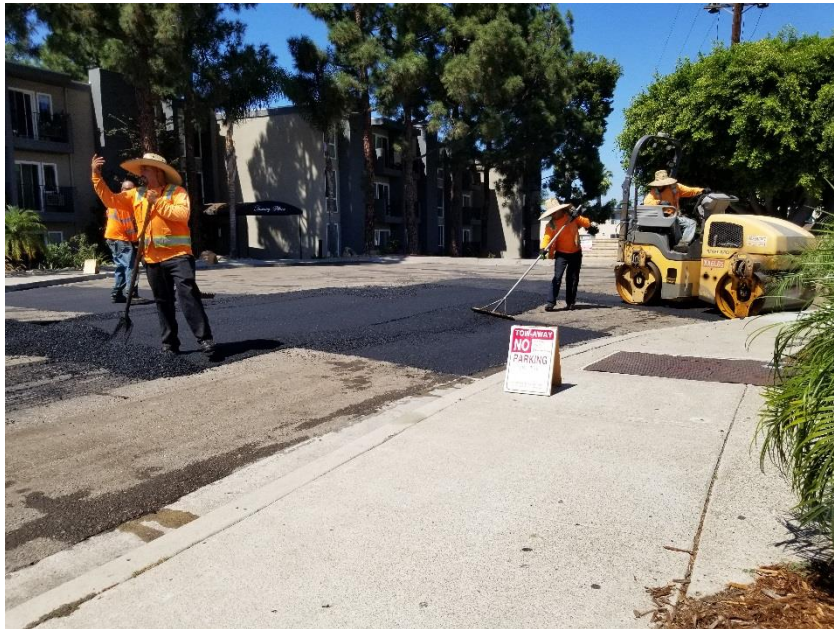
- ❖ Sewer rehabilitation projects are part of the City's program to upgrade the sewer system.
- ❖ Sewer mains are due for replacement or rehabilitation based on the age and condition of the pipes.
- ❖ The goal is to have a safe and efficient sewage system.
- ❖ Sewer pipeline rehabilitation projects line deteriorated or end-of-service life sewer mains and laterals with a hard plastic liner.
- ❖ Plastic liners can extend the pipe service by 50 years.



- ❖ Lining sewer main is achieved through access to maintenance holes and cleanouts.
- ❖ Pipes and maintenance holes are upgraded without trenching.



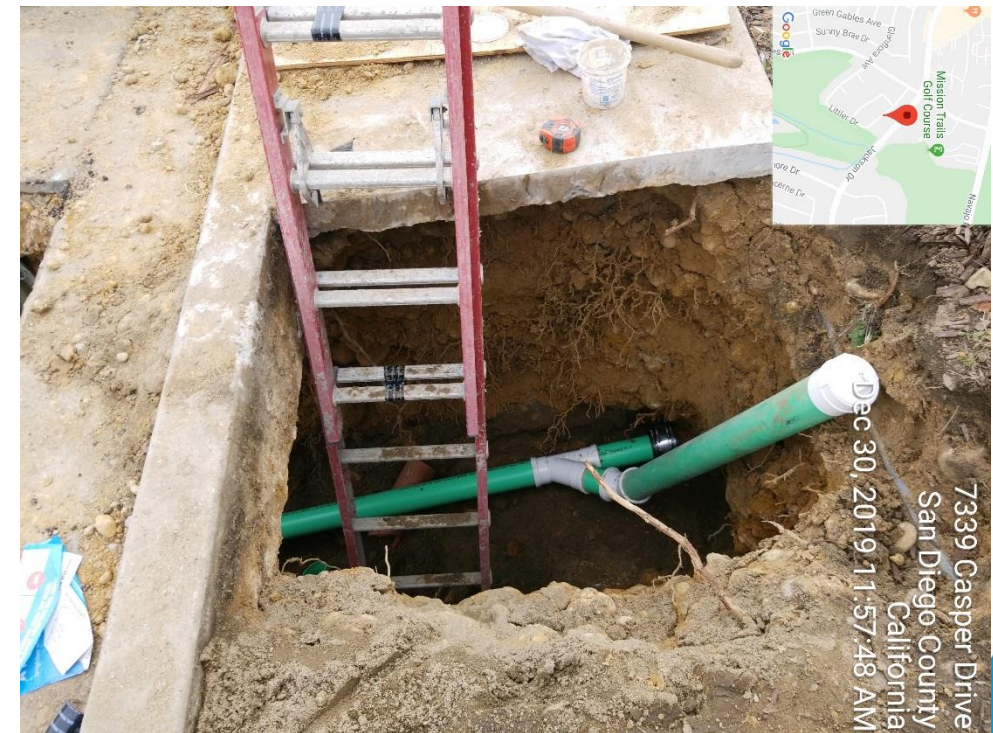
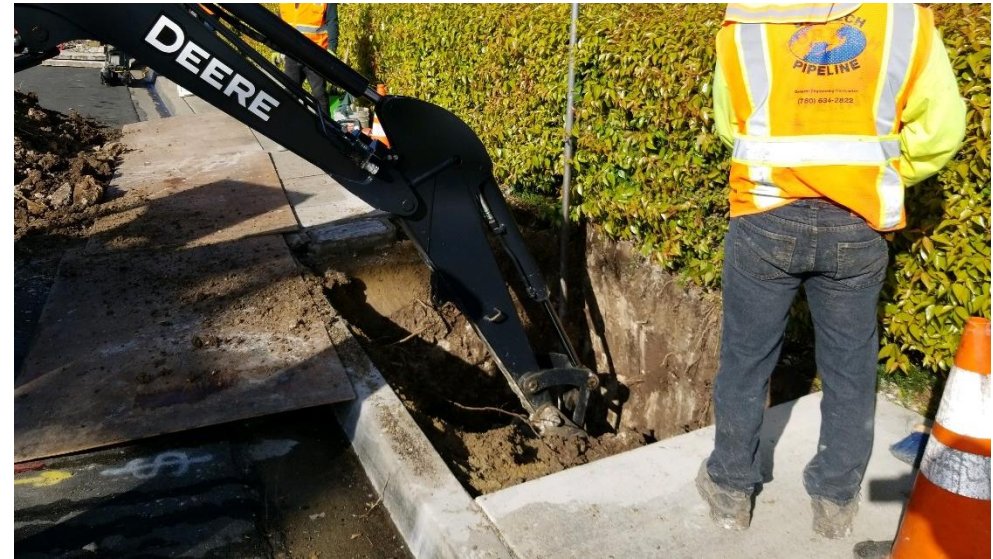
- ❖ Sewer rehabilitation projects aren't completely trenchless all the time.
- ❖ Pipe segments that are in poor condition are replaced. This is called a point repair.
- ❖ Once the point repair is complete, the excavated area is resurfaced.



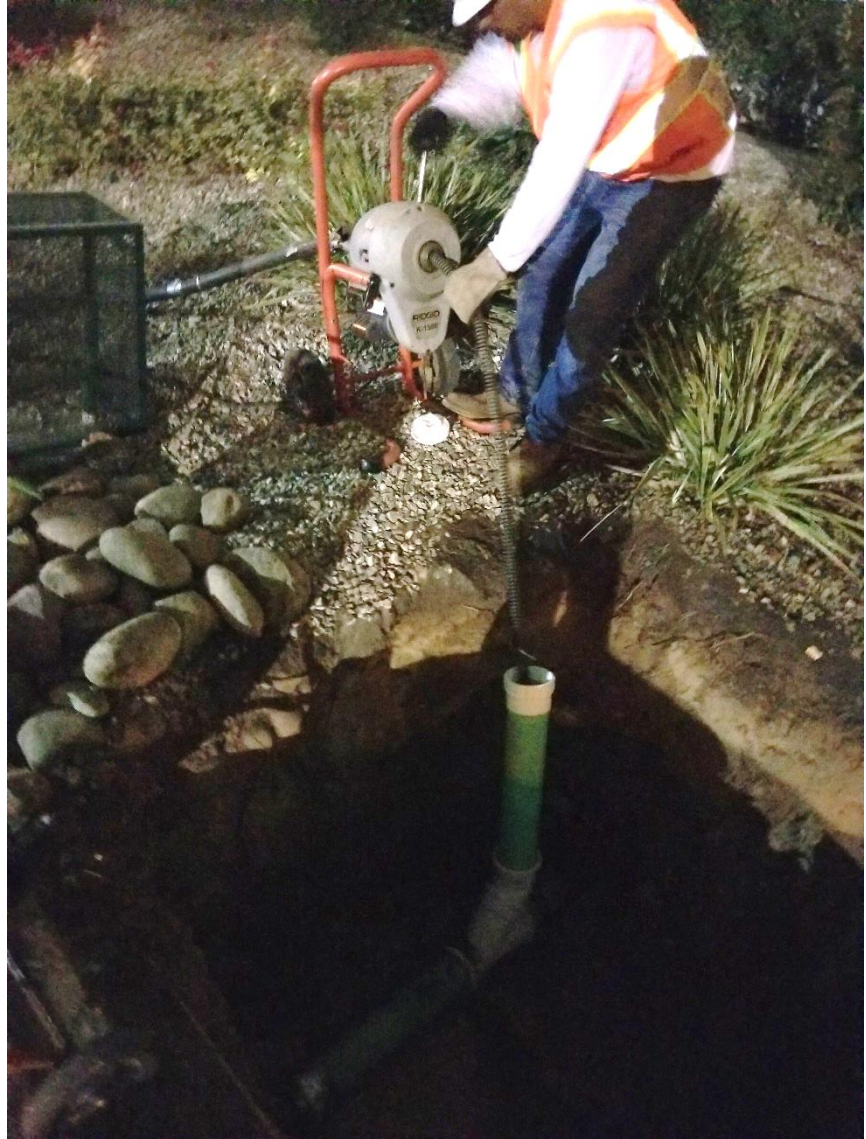
- ❖ Previous design standards didn't require sewer maintenance holes or cleanouts at the most upstream pipe segment.
- ❖ Therefore, maintenance holes or cleanouts are installed at these locations for maintenance access.
- ❖ A maintenance hole or cleanout is required to perform sewer rehabilitation.



- ❖ Sewer laterals connect property plumbing to the public sewer main.
- ❖ Sewer laterals are also rehabilitated.
- ❖ If the existing sewer lateral doesn't have a cleanout, one will need to be installed to rehabilitate the sewer main.

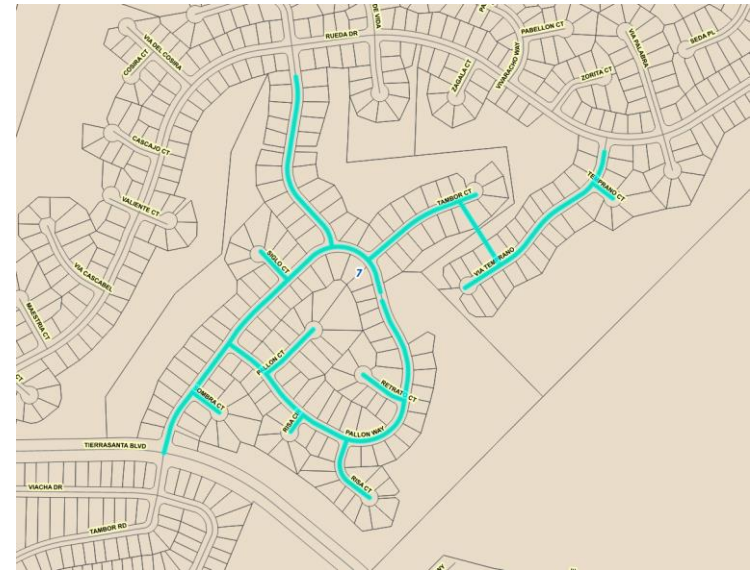


- ❖ Improves sewer system efficiency and reliability.
- ❖ Extends the service life of sewer pipes without having to dig them up and replace them.
- ❖ Lining an existing pipeline is generally a quicker and more cost-effective alternative to digging up an entire pipeline.
- ❖ Creates less impact on the community and environment.



Tierrasanta Improv 2

- ❖ Located in the Tierrasanta neighborhood.
- ❖ This project consists of the replacement of approximately 122 LF of existing 8-inch PVC sewer main and the trenchless rehabilitation of approximately 7,608 LF (1.44 Miles) of existing 8-inch sewer mains, including the associated sewer laterals (Approximately 188) from the sewer main to the property line. Furthermore, this project will rehabilitate approximately 29 manholes, perform 14 point repairs, replace 2 existing manholes, install 6 cleanouts, 1 manhole, and several sewer lateral cleanouts as necessary to complete the lateral lining work.
- ❖ Excavation is required for point repairs, cleanout installation and maintenance hole replacement and installation.
- ❖ Many of these sewer mains were built in the 1970s.



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TIERRASANTA IMPROV 2

SENIOR ENGINEER JAIME A. RAMOS 619-533-5103	PROJECT MANAGER VALADEZ, ROBERTO 619-533-7422	PROJECT ENGINEER JAZRAWI, GHAZI 619-533-4668	FOR QUESTIONS ABOUT THIS PROJECT Call: (619) 533-4207 Email: engineering@sandiego.gov
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DESIGN LOCATION MAP



Legend

- Sewer Main Rehab
- Point Repair&Rehab
- REHAB MH
- NEW MH
- NEW Cleanout
- - - Rehab Lateral
- Sewer Main Replacement



COMMUNITY NAME: Tierrasanta
Date: 8/8/2023

COUNCIL DISTRICT: 7



WBS NO: B23041



What You Can Expect

- ❖ **Sewer service:** Will not be interrupted.
- ❖ **Construction notices:** The contractor will deliver door hanger notices to property owners at least one week before work begins on their respective streets.
- ❖ **Street parking :** Restrictions may be implemented. Construction crews will maintain access to businesses and residences.
- ❖ **Normal construction days and hours:** Monday through Friday, 7:30 a.m. to 3:30 p.m.
- ❖ **Night work:** No night work.

- ❖ In the following weeks, a fact sheet will be mailed to all residents within 300 feet of the scheduled work detailing the scope and dates.
- ❖ After the project has been awarded to a contractor, 30-day construction notices will be sent out to the same addresses.



Tierrasanta Improv 2

Background

The City of San Diego has an ongoing program to rehabilitate existing sewer mains throughout the City. As part of this program, the City will begin rehabilitating the sewer system servicing your community starting in the spring of 2024. The rehabilitation process consists of inserting a plastic liner inside the existing sewer pipes from either maintenance holes or cleanouts. The liner will improve the structural integrity as well as extend the service life of the existing pipe. To rehabilitate sewer laterals that connect a property to the sewer main, the City contractors will install a [cleanout](#) for the liner installation. Should a resident not want a cleanout installed at their property, their respective sewer lateral will not be rehabilitated. Residents who choose not to have a cleanout installed should contact the Project Manager Roberto Valadez at rvaladez@saniego.gov to ensure the City takes note of their request. A location map illustrating the project area is enclosed with this notice.

Project Overview

The project is located in the [Tierrasanta](#) community in Council District 7. The project scope includes:

- Rehabilitating approximately 1.44 miles (7,608 feet) of 8-inch sewer mains, including existing maintenance holes and sewer laterals.
- Installing new maintenance holes and cleanouts as needed.
- Installing new curb ramps, as needed, to provide access for all users.
- Resurfacing streets impacted by construction activities.
- Using best management practices to control erosion and protect storm drain inlets.

Project Schedule

Design: Expected completion in September 2023.

Construction: April 2024 through July 2025.*

Project Budget

The project's planning, design and construction budget is \$3.67 [million](#).*

*Project schedule and budget are subject to change.

- ❖ **Winter 2023:** The project will be awarded to a contractor.
- ❖ **Spring 2024:** Construction begins.
- ❖ **Summer 2025:** Construction completion.



Questions?

Contact:

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Project Engineer

Gjazrawi@sandiego.gov

619-533-4668