

Ross Valley Sanitary District

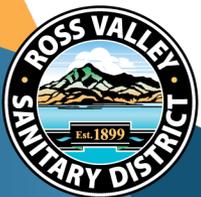
Ross Valley Sanitary District (RVSD)

Established in 1899.

Dedicated to protecting public health
and preserving the environment.

RVSD service area includes:

Fairfax, San Anselmo, Ross,
Larkspur, Bon Air, Sleepy Hollow,
Kentfield, Kent Woodlands,
Oak Manor and Greenbrae.



Infrastructure & System Overview

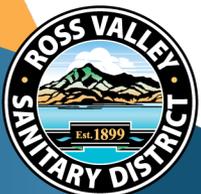
200 miles of collection sewer lines
and 19 pumping stations
collect, pump and transport
approximately **4 million gallons**
of wastewater per day to the
Central Marin Sanitation Agency
(CMSA) for treatment.

19 pump stations:
5 major pump stations
2 minor pump stations
12 lift stations

5,293 manholes
5,653 pipes

173 mi of small diameter gravity sewer
11.9 mi of trunk sewer
12.5 mi of large diameter gravity sewer
7.83 mi of force mains

Average age:
64 years



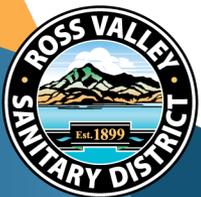
Capital Improvement Program (CIP)

Much of this infrastructure is over 100 years old.

RVSD is working to rehabilitate underground wastewater pipelines through a construction program that is spread out over more than ***34 miles of road throughout Ross Valley.***

Capital Improvement Program (CIP) construction projects protect public health and the environment by reducing the risk of sewer overflows.

Since 2013, construction has been underway on projects to replace outdated system infrastructure and enhance local wastewater system reliability and efficiency.



MAP LEGEND

Gravity Sewer Improvement Projects

Project Areas

- FY 2015/16 Gravity Sewer Improvements - *Completed Spring 2019*
- FY 2016/17 Gravity Sewer Rehabilitation Projects

Project Pipes

- FY 2015/16 and 2016/17 Rehabilitation
- FY 2016/17 Gravity Sewer Improvements

Large Diameter Gravity Sewer Rehabilitation Projects

- Large Diameter Gravity Sewer Project II-1
- Large Diameter Gravity Sewer Project II-2
- Large Diameter Gravity Sewer Project II-3A

Gravity Sewer System

- Gravity Sewer
- Large Diameter Gravity Sewer
- Manholes, Rodholes, Other

Pump Station Projects

- Larkspur Pump Stations 12 (Bon Air Center) & 13 (Greenbrae) Rehabilitation - *Completed Spring 2019*
- Kentfield Pump Station 15 Improvements

Pump Stations

- PS Major Pump Station
- P Minor Station
- P Lift Station

Force Mains

- Major Pump Station
- Minor Pump Station
- Bypass
- Lift Station
- District Boundary



Map is Not to Scale

4 Ross Common (Upper & Lower Shady Lane) Sewer Improvements

- Large Diameter Gravity Sewer Project II-3A (Upper Shady Lane) - *Completed Summer 2019*
- Large Diameter Gravity Sewer Project II-3B (Lower Shady Lane)

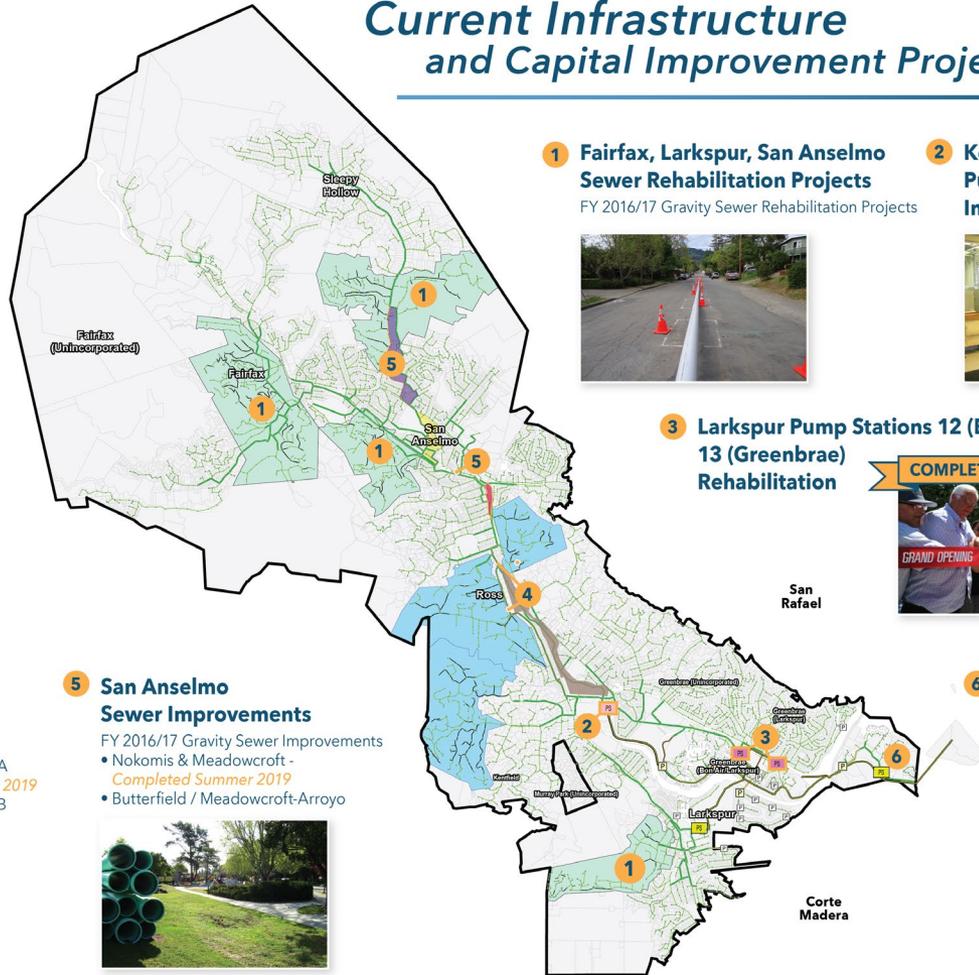


5 San Anselmo Sewer Improvements

- FY 2016/17 Gravity Sewer Improvements
- Nokomis & Meadowcroft - *Completed Summer 2019*
 - Butterfield / Meadowcroft-Arroyo



Current Infrastructure and Capital Improvement Projects



1 Fairfax, Larkspur, San Anselmo Sewer Rehabilitation Projects

FY 2016/17 Gravity Sewer Rehabilitation Projects



2 Kentfield Pump Station 15 Improvements

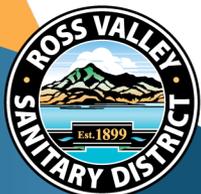


3 Larkspur Pump Stations 12 (Bon Air Center) & 13 (Greenbrae) Rehabilitation

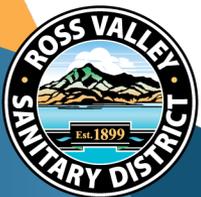
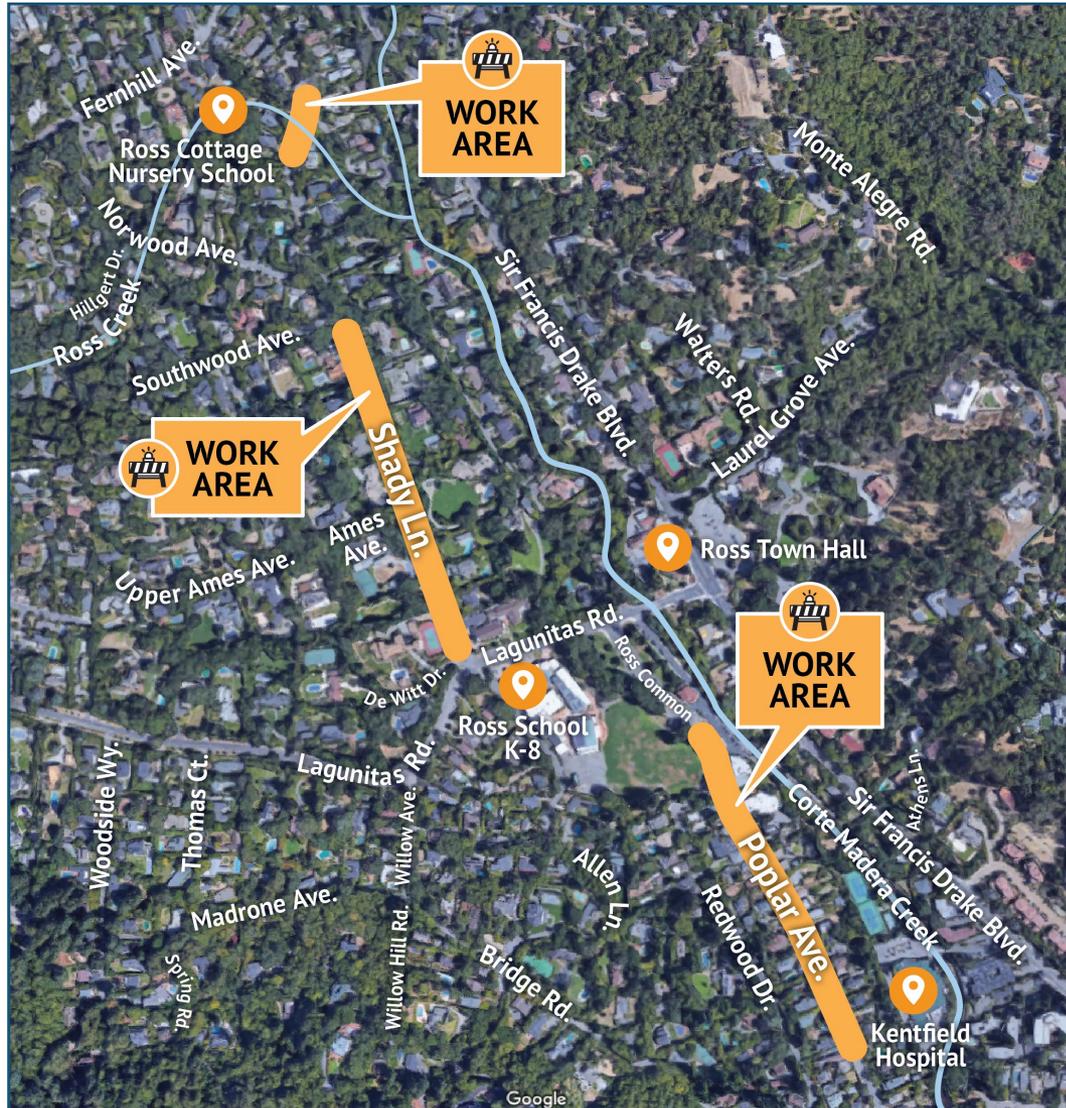
COMPLETED SPRING 2019



6 Larkspur Landing Cleanup Project



Town of Ross Ross Common/Poplar Ave Sewer Improvements



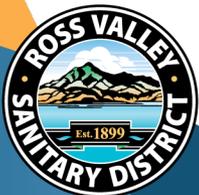
Town of Ross Ross Common/Poplar Ave Sewer Improvements

Project Schedule: Summer – Fall 2019

Work Hours: 8 AM to 5 PM, Monday – Friday

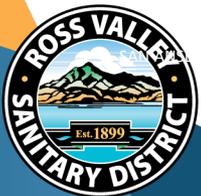
Rehabilitate 4,200 linear feet (LF) of existing 21 inch diameter sewer pipeline and structures to:

- Replace old or outdated system infrastructure
- Enhance wastewater system reliability and efficiency
- Improve system performance during wet weather



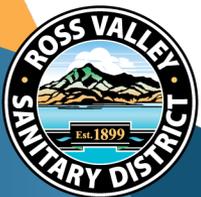


Open Trench





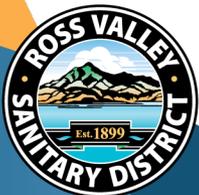
Pilot Tube Guided Boring



Completing this work is vital to achieving our goals:

- Protect public health and the environment by reducing the risk of sewer overflows.
- Continue working with the community to replace the 80-90% of outdated sewer laterals that still remain.
- Help RVSD ensure that service is provided at the “lowest sustainable cost.”
- More information about lateral grant and loan programs is at www.RVSD.org/LRGP.

An  average of **600** homeowners replaced their laterals in FY 16/17 & FY 17/18



More Information:

Ads in the Marin IJ and PacSun News; Construction Notices mailed out; Project site street banners to inform the community; Online CIP Updates; GM Bulletins.

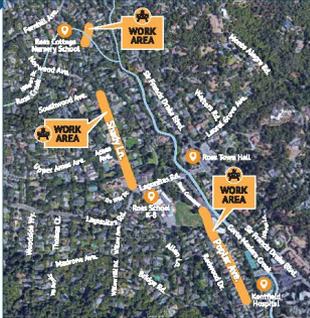


Protecting Public Health and the Environment

PROJECT INFORMATION SHEET

Large Diameter Gravity Sewer Project II-3B Lower Shady Lane / Poplar Ave

As part of maintaining the 200 miles of collection sewer lines operated by Ross Valley Sanitary District (RVSD), a Capital Improvement Program (CIP) is underway with construction projects needed to protect public health and the environment by reducing the risk of sewer overflows.



Work to replace outdated system infrastructure and enhance system reliability is taking place in your neighborhood.

The **Lower Shady Lane / Poplar Ave Sewer Improvements** will replace old or outdated system infrastructure and enhance local wastewater system reliability and efficiency. Construction to improve system performance during wet weather will involve rehabilitation of 4,200 linear feet (LF) of existing 21 inch diameter sewer pipeline and associated structures. The projects being completed at a cost of \$4.9 million.

The project is located in three areas: Ross Creek, Lower Shady Lane and Kent/Poplar Ave.

PROJECT CONSTRUCTION WILL INCLUDE

- Sanitary sewer replacements on public and private property.
- Bore-and-jack siphon crossing Ross Creek at Locust.
- Parallel sewer construction by open-cut.
- Sewer pipeline rehabilitation via trench-less methods such as cured-in-place pipe or fold and form, with bypass pumping of sanitary sewer flow.
- Excavation, shoring and backfill, saw cutting.
- Pipe and manhole repairs.
- Pavement restoration.

www.RVSD.org



Your dollars at work –

Protecting Public Health and the Environment

We have started construction on projects to replace outdated infrastructure and enhance local wastewater system reliability.

These projects are needed to protect public health and the environment by reducing the risk of sewer overflows.

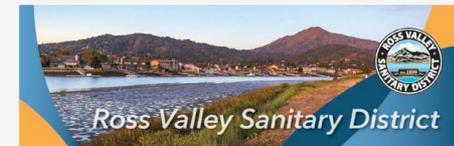
We will continue to work with the community to complete replacement of the 80-90% of outdated sewer laterals that still remain.



MORE INFORMATION ABOUT CONSTRUCTION IN YOUR AREA

Visit: www.RVSD.org/construction
Email: Construction@rvsd.org
Call: Construction Hotline (415) 413-7805

www.RVSD.org



General Manager's Monthly Bulletin June 2019

Ross Valley Sanitary District provides this monthly news bulletin of current notable activity and events to stay connected to the community we serve. We welcome your feedback on any information in the bulletin and if at any time you no longer prefer to receive this information, simply unsubscribe using the link below.

For more information, visit www.RVSD.org.

June has been a busy month!

Community members joined us for the **Pump Station 12 Ribbon Cutting ceremony on June 11** to mark the completion of improvements to Pump Stations 12 and 13 in Greenbrae/Larkspur. Both are located at the Bon Air Shopping Center.

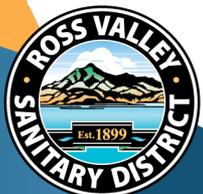


The system infrastructure at both Pump Stations 12 and 13 has been upgraded and/or replaced to enhance local wastewater system reliability and efficiency, improve system performance during wet weather and reduce odors and noise. These ratepayer-funded projects are needed to protect public health and the environment by reducing the risk of sewer overflows.

Pictured in front of Pump Station 12 (above, L to R) are: Board Members Michael Boorslein and Tom Gaffney, Melissa Apaya of Assemblymember Marc Levine's office, Board Members Doug Kelly and Pam Meigs, Andrea Schultz, President of Greenbrae Management, and General Manager Steve Moore.

Phase One sewer improvements for the **Butterfield/Meadowcroft-Aroyo Project in San Anselmo** began on June 17 and are anticipated to be complete this fall. Work on Phase Two of the project is anticipated to begin this fall.

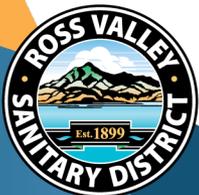
Our Proposed Rates for **Sewer Service Charges were unanimously adopted by the Board of Directors** at the public hearing held on June 19. The adopted rates are effective July 1, 2019 to July 1, 2023. These funds are used to operate and maintain

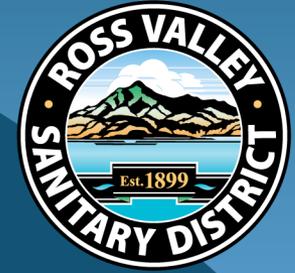


www.RVSD.org

More Information:

- **Visit** www.RVSD.org/construction to find out if there will be any construction in your neighborhood.
- **Visit** www.RVSD.org/LRGP to learn more about our lateral replacement grant and loan programs.
- **Email** Construction@rvsd.org for general inquiries or to request being added to the project email list.
- **Call RVSD at 415-259-2949.** RVSD office staff are available Monday - Friday from 7:30 a.m. to 4 p.m. We can assist you with emergency service 24 hours a day, seven days per week.





Thank you!

RVSD APPRECIATES your patience during construction as we fulfill our commitment to making strategic long-term infrastructure improvements.