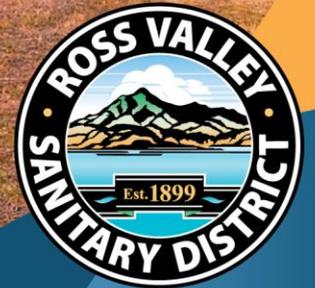


Putting Your Dollars to Work - Protecting
Public Health
and the Environment

San Anselmo Town Council – July 24, 2018



Ross Valley Sanitary District

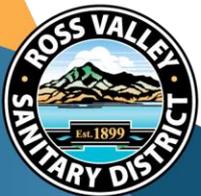
Ross Valley Sanitary District (RVSD)

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



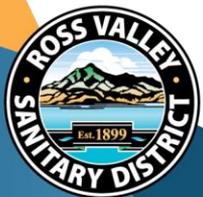
Capital Improvement Program (CIP)

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Since 2013, construction has been underway on projects to replace outdated system infrastructure and enhance local wastewater system reliability and efficiency.



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



4 Ross Common/Upper Shady Lane Sewer Improvements
Large Diameter Gravity Sewer Project II-3A



5 San Anselmo (Nokomis & Meadowcroft) Sewer Improvements
FY 2016/17 Gravity Sewer Improvements



MAP LEGEND

Gravity Sewer Improvement Projects

Project Areas

- FY 2015/16 Gravity Sewer Improvements
- 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
- Kentfield Pump Station 15 Improvements

Pump Stations

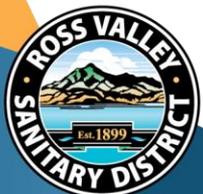
- Major Pump Station
- Minor Station
- Lift Station

Force Mains

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



Map is Not to Scale



Upcoming Projects

1 Fairfax, Larkspur, San Anselmo Sewer Rehabilitation Projects

FY 2016/17 Gravity Sewer Rehabilitation Projects



5 San Anselmo (Nokomis & Meadowcroft) Sewer Improvements

FY 2016/17 Gravity Sewer Improvements



Fairfax, Larkspur, San Anselmo Sewer Rehabilitation Projects

Project Schedule: November 2017 – Winter 2018/19

Work Hours: 8 a.m. to 5 p.m. Monday – Friday

Rehabilitate 42,000 linear feet (LF) of 6 to 8 inch diameter sewer pipeline to:

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



Fairfax, Larkspur, San Anselmo Sewer Rehabilitation Projects

Project construction includes:

- Sanitary sewer replacements on public and private property.
- Sewer pipeline rehabilitation via:
 - ✓ Cured-in-place pipe lining methods (~25,600 LF)
 - ✓ Pipe bursting (~10,000 LF)
 - ✓ Open-cut removal and replacement (~5,600 LF)
 - ✓ Horizontal direction drilling (~830 LF)
 - ✓ Bypass pumping of sanitary sewer flow
- Excavation, shoring and backfill, saw cutting and lateral replacement.
- Pipe and manhole repairs and pavement restoration.



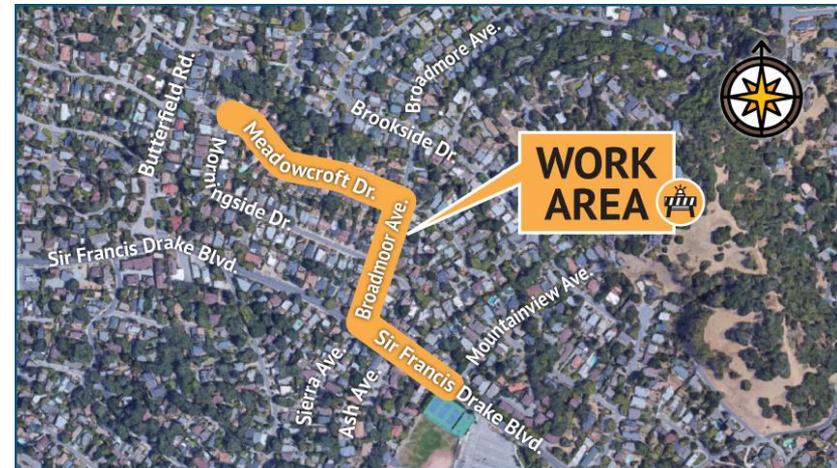
San Anselmo (Nokomis & Meadowcroft)

Overall Project Schedule: Summer 2018 – December 2018

Work Hours: 8 a.m. to 5 p.m.* Monday – Friday

Rehabilitate 3,300 linear feet (LF) of 18 to 24 inch sewer pipeline to:

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



San Anselmo (Nokomis & Meadowcroft)

RVSD, Marin Municipal Water District (MMWD), the Town of San Anselmo and Marin County are coordinating to reduce construction impacts from other projects in the Morningside and Brookside neighborhoods this summer.

Project Construction Will Include:

- Sanitary sewer replacements on public and private property.
- Sewer pipeline rehabilitation via:
 - ✓ Open-cut removal and replacement (~2,170 LF)
 - ✓ Pipe reaming (~440 LF)
 - ✓ Pipe bursting (~350 LF)
 - ✓ Cured-in-place pipe lining methods (~350 LF on Sycamore Ave.)
 - ✓ Bypass pumping of sanitary sewer flow
- Excavation, shoring and backfill, saw cutting and lateral replacement.
- Pipe and manhole repairs and pavement restoration.



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.”

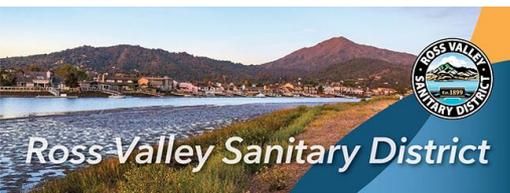


Over **650**
customers replaced
their laterals in
FY 2016/17



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.



Ross Valley Sanitary District

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.



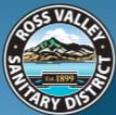
MORE INFORMATION ABOUT CONSTRUCTION IN YOUR AREA

Visit: www.RVSD.org/construction

Email: Construction@rvsd.org

Call: Construction Hotline (415) 413-7805

www.RVSD.org



Protecting Public Health and the Environment

CONSTRUCTION NOTICE

Large Diameter Gravity Sewer Project II-3A Ross Common / Upper Shady Lane

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 **Ross Common / Upper Shady Lane 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 2,300 linear feet (LF) of sewer pipeline ranging in size from 8 to 28 inches in diameter and associated structures. The project is being completed at a cost of \$4 million.

The project will take place within two project areas located in the Town of Ross: the Bolinas Ave./Upper Shady Ln. area (Upper Shady) and the Lagunitas Rd./Ross Common (Ross Common).






PROJECT

WHAT YOU CAN EXPECT

Please expect noise, dust, partial bike lane closures and travel delays near the work site during construction activity. All construction equipment and materials will be stored within the fenced area surrounding the Pump Station. Local emergency access will be maintained at all times.

SCHEDULE AND WORK HOURS

Overall Project:
Summer 2018 - Winter 2018

Work Hours:
7 a.m. - 6 p.m.
Monday - Friday





MORE INFORMATION ABOUT CONSTRUCTION PROJECTS

Email: Construction@rvsd.org

To leave a message or request being added to the project email list

Call: the RVSD Construction Hotline (415) 413-7805

The project team will respond to inquiries within 1-2 business days

Visit: www.RVSD.org/construction

To find out if there will be construction in your neighborhood

RVSD office staff are available Monday through Friday from 7:30 a.m. to 4 p.m.

We can assist you with emergency service 24 hours a day, seven days a week.

Our office and emergency number is (415) 259-2949.



Ross Valley Sanitary District Construction Project –

Protecting Public Health and the Environment

PS 15 Kentfield Pump Station Improvements Project

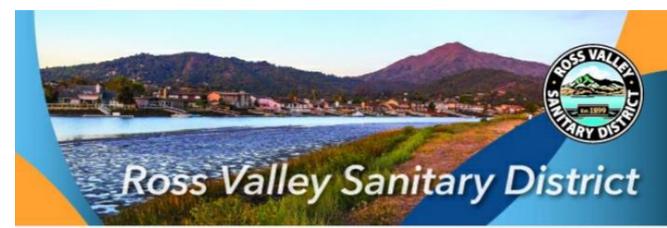
PROJECT CONSTRUCTION:
Summer 2018 – Winter 2018

This project is part of RVSD's Capital Improvement Program to replace outdated system infrastructure and enhance local wastewater system reliability and efficiency. These projects are needed to protect public health and the environment by reducing the risk of sewer overflows.

CONTRACTOR:
Anderson Pacific
andpac.com

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

www.RVSD.org



General Manager's Monthly Bulletin

June 2018

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.

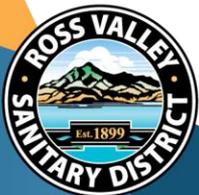
For more information, visit www.RVSD.org.

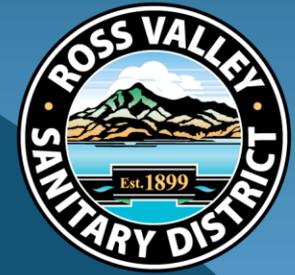
Adoption of Fiscal Year (FY) 2018-19 Budget: The RVSD Board unanimously approved the District's FY 2018-19 Budget. As with many other Marin County government agencies, RVSD's Fiscal Year (FY) runs from July 1 through June 30. Our budget is organized along two primary revenue and spending categories: Operations and Maintenance (O&M) and Capital. RVSD's primary revenue sources are wastewater utility service rates and ad valorem (property tax) revenue. Rate revenue is used first to pay for O&M expenses, with any remaining funds then allocated to capital expenses. Ad valorem (property tax) revenue is used exclusively for capital expenses.

The District's FY 2018-19 O&M budget is \$18 million and the Capital budget, including

More Information:

- Email Construction@rvsd.org
- Call the RVSD **Construction Hotline** at (415) 413-7805 if you have questions.
- Visit www.rvsd.org/construction to find out if there will be any construction in your neighborhood.
- RVSD office staff are available Monday through Friday from 7:30 a.m. to 4 p.m. We can assist you with emergency service 24 hours a day, seven days a week. **Our office and emergency number is 415-259-2949.**





Thank you!

For helping us in our mission to provide customers with highest quality wastewater collection service through a system that has no avoidable sanitary sewer overflows at the lowest sustainable cost.