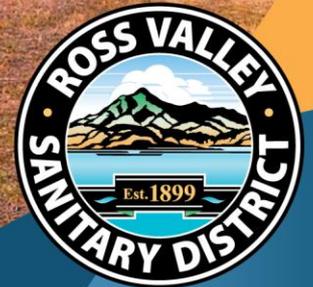


Putting Your Dollars to Work –
Protecting Public Health
and the Environment

Ross Town Council – September 13, 2018



Ross Valley Sanitary District

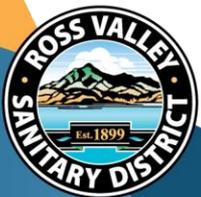
Ross Valley Sanitary District (RVSD)

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

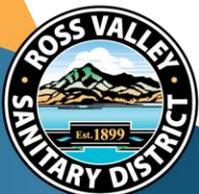
200 miles of collection sewer lines
and 19 pumping stations
collect, pump and transport
approximately ***4 million gallons***
of wastewater per day to the
Central Marin Sanitation Agency (CMSA)
for treatment.

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



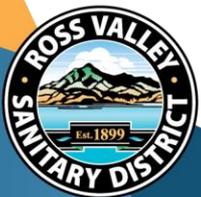
Capital Improvement Program (CIP)

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Since 2013, construction has been underway on projects to replace outdated system infrastructure and enhance local wastewater system reliability and efficiency.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



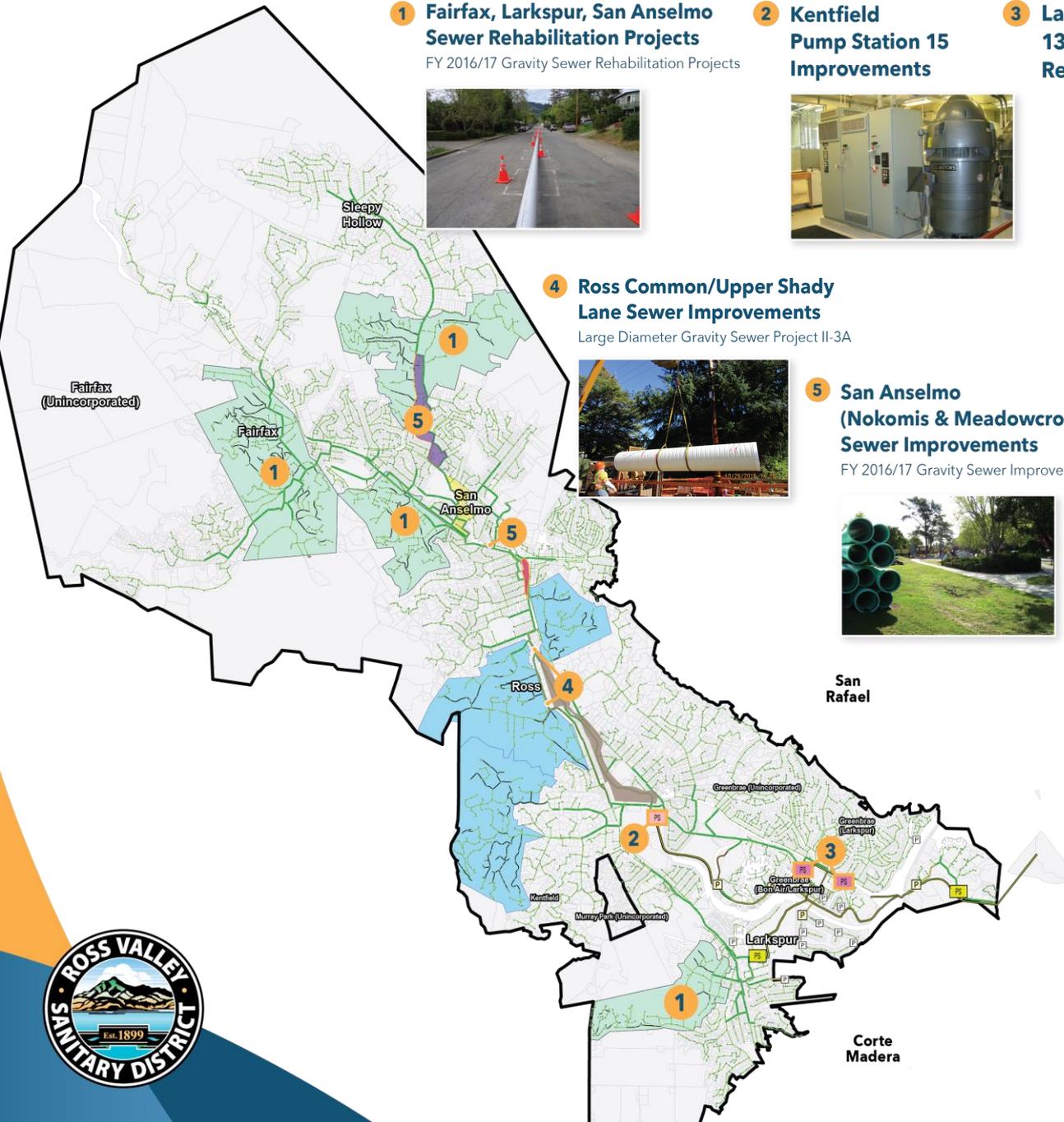
3 Larkspur Pump Stations 12 (Bon Air Center) & 13 (Greenbrae) Rehabilitation



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

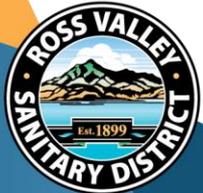


5 San Anselmo (Nokomis & Meadowcroft) Sewer Improvements
FY 2016/17 Gravity Sewer Improvements



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**
- PS Larkspur Pump Stations 12 (Bon Air Center) & 13 (Greenbrae) Rehabilitation
 - PS 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



Active Project Map

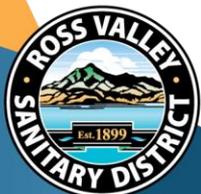
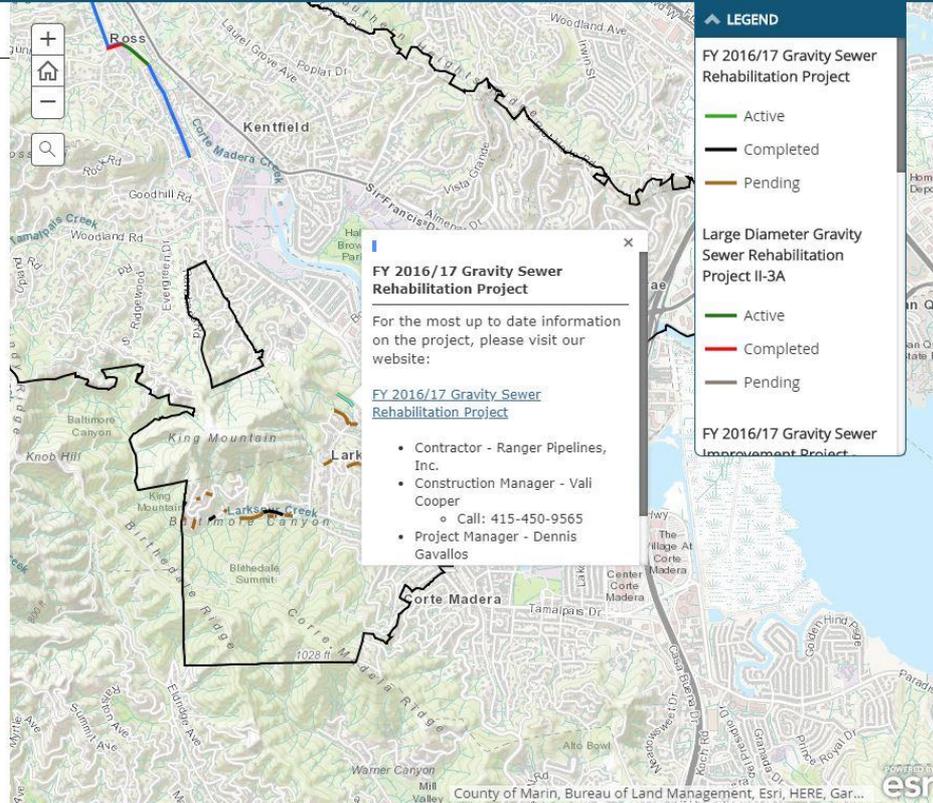
Ross Valley Sanitary District Capital Improvement Program

Current CIP Projects Completed CIP Projects

Ross Valley Sanitary District Capital Improvement Program

The RVSD infrastructure that we operate and maintain in your neighborhood includes a portion of the 200 miles of sewer pipelines and 19 pump stations which collect, pump and transport approximately 4 million gallons of wastewater per day to the Central Marin Sanitation Agency for treatment. Much of this infrastructure is old or outdated.

The Capital Improvement Program (CIP) consists of



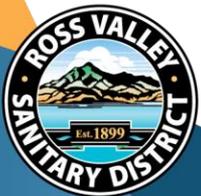
Active and Upcoming Projects

4 Ross Common/Upper Shady Lane Sewer Improvements

Large Diameter Gravity Sewer Project II-3A



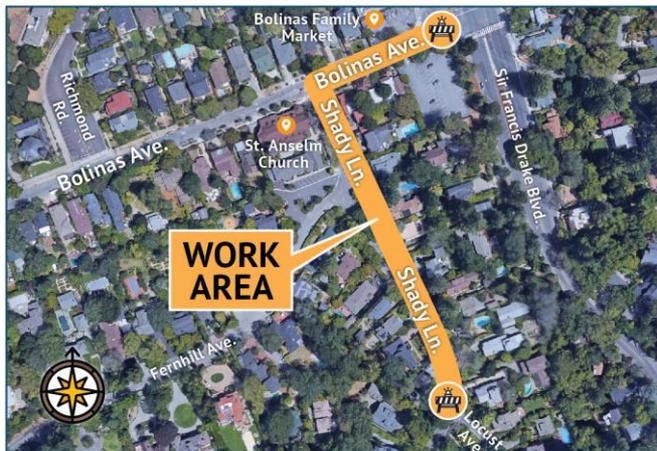
Lower Shady Lane/Poplar Ave
Large Diameter Gravity Sewer Project II-3B
(in design)



Ross Common / Upper Shady Lane

Rehabilitate 2,300 linear feet (LF) of 8 to 28 inch sewer pipeline to:

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



Overall Project Schedule: July 2018 – Spring 2019

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

Some night and weekend work may be necessary for long duration continuous trenchless installations or as otherwise coordinated with the Town



Ross Common / Upper Shady Lane

Project construction includes:

- Sanitary sewer replacements on public and private property.
- Sewer pipeline rehabilitation via:
 - ✓ Pipe bursting (~1,420 LF)
 - ✓ Open-cut removal and replacement (~ 650 LF)
 - ✓ Slip lining (~190 LF)
 - ✓ Bypass pumping of sanitary sewer flow
- Excavation, shoring and backfill, saw cutting.
- Pipe and manhole repairs and pavement restoration.

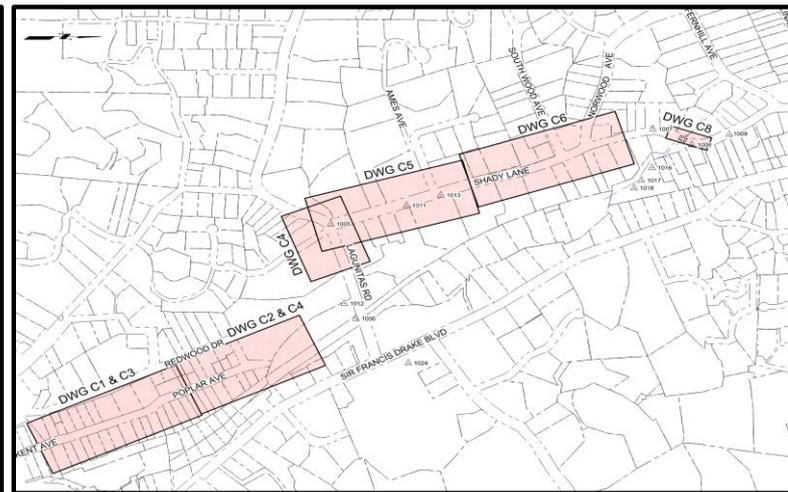
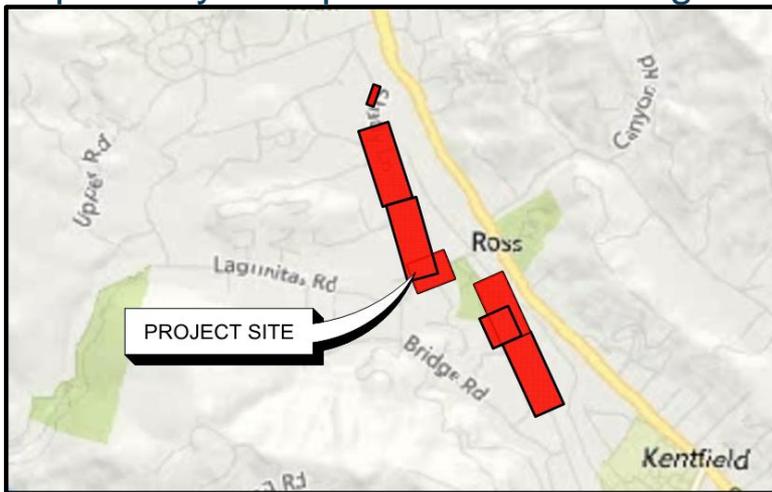
*Visit www.RVSD.org/construction for more information



Lower Shady Lane / Poplar Ave

Rehabilitate/reconstruct 4,200 linear feet (LF) of existing 21 inch sewer pipeline to:

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



Overall Project Schedule: July 2019 – Spring/Summer 2020

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

Some night and weekend work may be necessary for long duration trenchless installations or as otherwise coordinated with the Town



Lower Shady Lane / Poplar Ave

Project construction includes:

- Bore-and-jack siphon crossing Ross Creek at Locust.
- Parallel sewer construction by open-cut.
- Sewer pipeline rehabilitation via trenchless methods such as cured-in-place pipe (CIPP) or fold & form.
- Bypass pumping of sanitary sewer flow.
- Excavation, shoring and backfill, saw cutting.
- Pipe and manhole repairs and pavement restoration.

*Visit www.RVSD.org/construction for more information



Large Diameter Gravity Sewer Projects

WHAT YOU CAN EXPECT

Please expect noise and dust, vibration, possible odors, lane closures and detours, parking restrictions, travel delays and night-time work on streets near each work site during construction activity. Mail and package delivery to these areas will not be interrupted. Local and emergency access will be maintained at all times.



**NOISE
& DUST**



**LANE CLOSURES
& DETOURS**



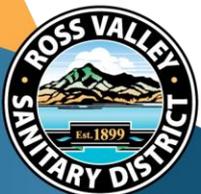
**PARKING
RESTRICTIONS**



**TRAVEL
DELAYS**



**NIGHT-TIME
WORK**



Construction Notices



Committed to Excellence

555 DUBOIS STREET, SAN RAFAEL, CA 94901 PHONE (415) 459-8640 FAX (415) 459-4884

ROSS VALLEY SANITARY DISTRICT FY 2016/17 Gravity Sewer Improvements Project

Date Distributed: Thursday, 8-23-18

Dear Property Owner and/or Resident:

Maggiora & Ghilotti, Inc. will be working on critical improvements to the Ross Valley Sanitary District sewer infrastructure in your neighborhood. Current elements of the work require that the construction and lane closures proceed outside of normal work hours. The extended hours will permit us to maintain an accessible and safe pedestrian path of travel through the construction zone.

LOCATION & SCHEDULE:

Sir Francis Drake Blvd

Thu. 8-23-18

Sat. 8-25-18

(Between Sierra Avenue and Mountain View Avenue)

Thursday work hours will be 8 AM through 6 PM. Saturday work hours will be 8:00 AM through 5:00 PM, this schedule is subject to change, and you will be notified if changes are necessary.

TRAFFIC CONTROL:

Driveways along the south side of Sir Francis Drake Blvd between Sierra Avenue and Mountain View Avenue may be temporarily blocked periodically during the scheduled work hours above. Please reach out to us to advise about special needs or access requirements and we will work to provide access to your driveway.

We understand that this is an inconvenience and we appreciate your cooperation.

Please note that emergency vehicles will be afforded access, so if you have an emergency, please **dial 911**. We thank you for your patience while we complete all work as quickly as safely possible. Should you have any questions or concerns, please contact the following project personnel:

CONTRACTOR: Maggiora & Ghilotti Inc.

Chuck Plomteaux-Dispatch

Office: 415-459-8640

PROJECT OWNER: Ross Valley Sanitary District (RVSD)

Justin Seufert: Construction Manager for RVSD

Cell: 530-966-7901



Completing this work is vital to achieving our goals:

- Protect public health and the environment by reducing the risk of sewer overflows.
- Lateral Grants / Loans Program: Money to help homeowners repair and replace faulty sewer laterals.
- Continue partnering with the community to replace outdated sewer laterals.
- Help RVSD ensure that service is provided at the “lowest sustainable cost.”

Over
\$3.8 million in grants have been awarded to homeowners who replaced their laterals since 2009.
♦  **\$800,000** in grant funding has been budgeted for FY 18/19!



More Information at www.RVSD.org

Ads in the Marin IJ and PacSun News; Construction Notice mailers; Project site banners to inform the community; Online CIP Updates; GM Bulletins.



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 Balines Ave./Upper Shady Ln. area (Upper Shady) and the Legunites Rd./Ross Common (Ross Common).




PROJECT CONSTRUCTION WILL INCLUDE

- Sanitary sewer replacements on public and private property.
- Sewer pipeline rehabilitation via pipe bursting (~1,420 LF), open-cut removal and replacement (~650 LF) and slip lining (~190 LF), with bypass pumping of sanitary sewer flow.
- Excavation, shoring and backfill, saw cutting, pipe and manhole repairs and new manholes.
- Landscapes and pavement restoration.

www.RVSD.org



Ross Valley Sanitary District Construction Project – Protecting Public Health and the Environment

Kentfield Pump Station 15 Improvements Project

PROJECT CONSTRUCTION:
Summer 2018 – Winter 2018

This project is part of RVSD's Capital Improvement Program to replace outdated sewer 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

WORK INFORMATION:
URL: www.rvdsd.org/construction
Email: Construction@rvsd.org
Cell: 415-259-2949
Fax: 415-259-2948
www.RVSD.org



Ross Valley Sanitary District

It's now easier
than ever to update your old
sewer lateral through the RVSD
Lateral Replacement Grant Program.



Over **\$3.8 million**
in grants have been
awarded to homeowners
who replaced their
laterals since 2009. **\$800,000** in grant
funding has been budgeted for FY 18/19!



TO LEARN MORE
Visit: www.rvdsd.org/LRGP

www.RVSD.org • 415-259-2949



Ross Valley Sanitary District

General Manager's Monthly Bulletin

August 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.

**RVSD offices will be closed in observance of the
Labor Day Holiday on Monday, September 3**

Grants and Loans Update: The RVSD Lateral Replacement Grants and Loans program offers financial assistance funding for sewer lateral replacements. RVSD is committed to continue partnering with the community to replace outdated sewer laterals and established this grant and loan program with committed resources to help homeowners repair and replace faulty sewer laterals.

Grant funding of up to \$2,500 is available for individual properties located in high inflow and infiltration (I&I) basins as determined by prior RVSD flow studies, or on streets with Paving Condition Index (PCI) values of 30 and lower or which are planned for future paving by local agencies within the next 12 to 18 months.

The standard maximum loan amount for lateral replacements is \$10,000. For properties facing higher paving costs due to work on a moratorium street or to remove illegal storm water connections such as sump pumps or roof drains, the maximum amount is \$15,000.

Please [click here](#) to see if you qualify!

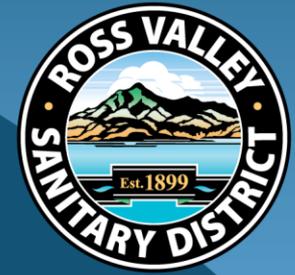
RVSD Achieves 100% Clean Energy: [Read the press release here!](#)

An energy use milestone was reached this July when the District began using 100 percent California renewable electricity through MCE's [Deep Green Service](#).

RVSD has
awarded over
\$4 million
to 1600+ people/homes
through these programs;
more than **\$982,000**
remains for FY 18/19.




www.RVSD.org



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.