

CAPITAL IMPROVEMENT PROGRAM QUARTERLY REPORT



The Temecula Valley Regional Water Reclamation Facility has multiple planned improvements.

STEPHEN J. CORONA
DIRECTOR
DIVISION 2



The City of Temecula, and the southern and eastern portions of the City of Murrieta, and Wine Country.

Los Alamos Hills Water Facilities

PROJECT SUMMARY

A portion of northeast Murrieta is not currently served by any water district and is not annexed into Metropolitan Water District or Eastern Municipal Water District. This area is referred to as the Keyhole Area and is within Eastern Municipal Water District's service area sphere. Residents in this area currently rely on private wells for water supply. A feasibility study for the area would help identify the facility requirements to serve the area with consideration of the area's long-term plan for integration into the District's water system. Project Location: Segments of Los Alamos Road, Mason Avenue, Mary Place, Celia Road, Sommerville Road, and a potential easement through private property.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2023
- Finish: Fall 2024

PROJECT BUDGET

- Estimated Total Project Budget: \$4,762,000
- Estimated Construction Budget: \$3,842,000
- Estimated Grant Percentage: 63%

PROJECT BENEFIT

EMWD's water conveyance system is designed to provide reliability and redundancy to deliver high-quality water to homes and businesses with minimal interruptions and to promote public safety through the delivery of sufficient pressure and availability to support fire suppression services.

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Roxanne Rountree
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountrr@emwd.org
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Calle Medusa Sewer Line Erosion Protection

PROJECT SUMMARY

The District 10-inch gravity sewer is threatened by ongoing erosion caused by an unnamed creek within the City of Temecula, near Calle Medusa. This project is evaluating two long-term solutions to the ongoing erosion. The first alternative is the construction of a new lift station which will allow the District to discontinue use of the gravity sewer near the creek. The second alternative is a coordinated multi-agency/entity effort to address the creek in order to protect in place District assets along with those of Southern California Edison, Metropolitan Water District, Southern California Gas Company, and neighboring private properties.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2028
- Finish: Summer 2028

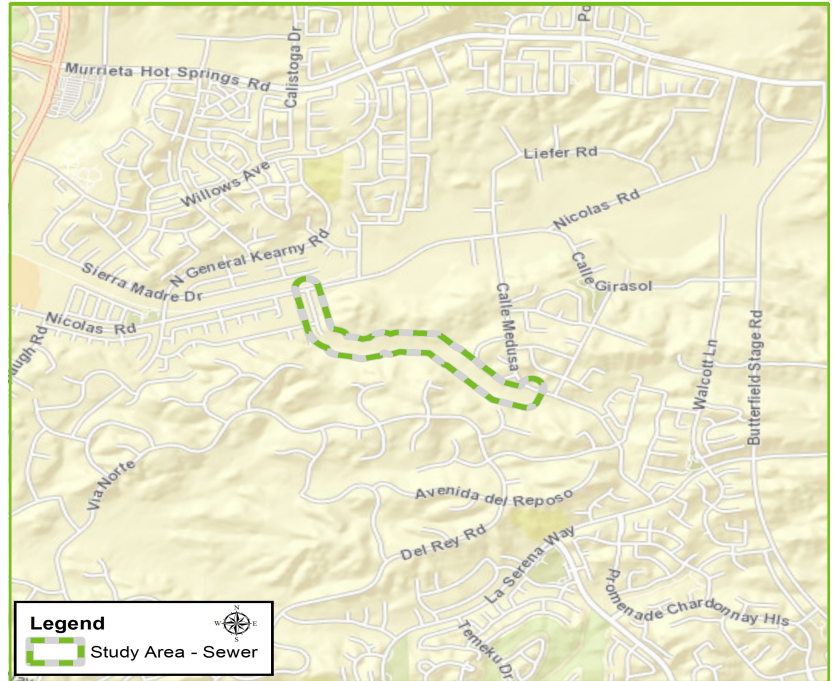
PROJECT BUDGET

- Estimated Total Project Budget: \$8,217,000
- Estimated Construction Budget: \$6,601,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

EMWD strives to protect public health through the safe and reliable transmission of wastewater from homes and business to its regional water reclamation facilities.

PROJECT LOCATION



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Diaz Sewer Modification

PROJECT SUMMARY

Upsize approximately 1,500 linear feet of 8-inch to 15-inch gravity sewer along Diaz Road from north of Rancho Way to Diaz Lift Station within the City of Temecula. Project must address utility interference, including existing storm drain crossing Diaz Road.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2023
- Finish: Summer 2024

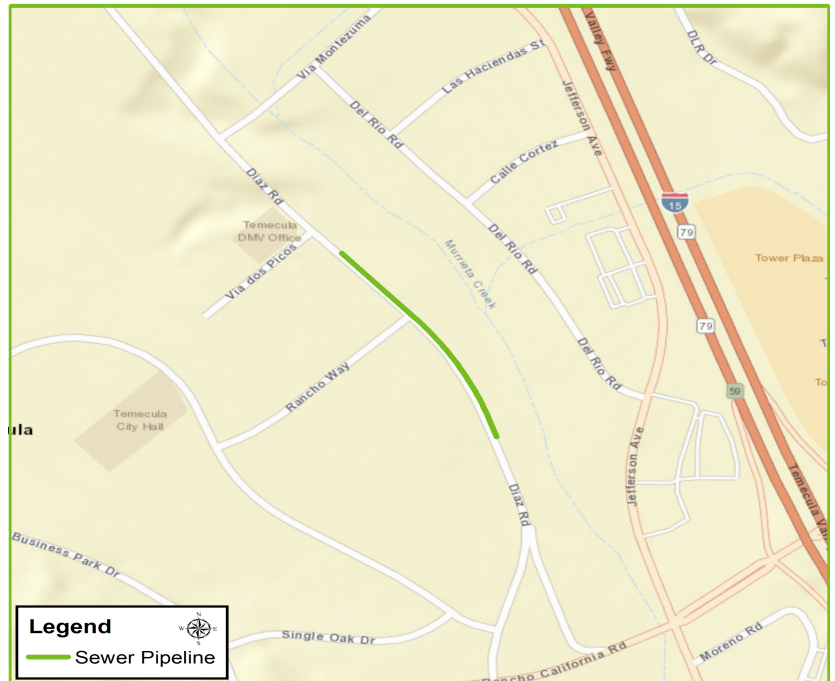
PROJECT BUDGET

- Estimated Total Project Budget: \$9,500,000
- Estimated Construction Budget: \$8,633,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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Front Street Lift Station Rehab

PROJECT SUMMARY

Upon recent inspection, it was determined that the wetwell piping and coating system has deteriorated and approaching the end of its useful life. This project will replace the discharge pipes with stainless steel materials and install new corrosion resistant guide rails. To accommodate the project work, the wetwell must be bypassed during construction. Project Location: 44980 Old Town Front Street, Temecula, CA

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2023/2024
- Finish: Winter 2024/2025

PROJECT BUDGET

- Estimated Total Project Budget: \$986,000
- Estimated Construction Budget: \$727,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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Golden Triangle Sewer Infrastructure

PROJECT SUMMARY

The project includes a 15-inch diameter sewer that can serve ultimate upstream demands as well as the Golden Triangle development with a crossing of Murrieta Hot Springs Road and a jack and bore sewer pipeline across the I-15 freeway to existing sewer in Guava Street.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2025
- Finish: Fall 2026

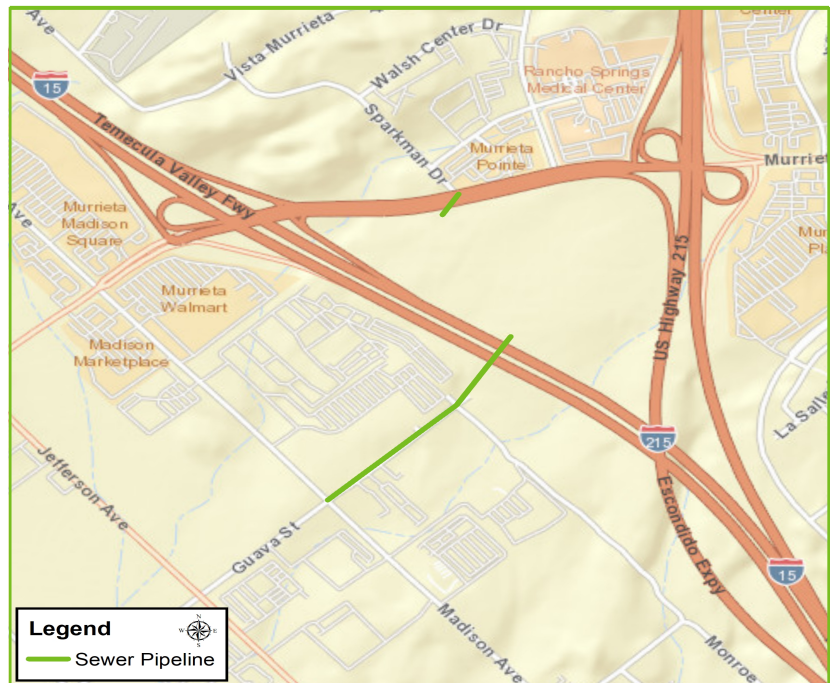
PROJECT BUDGET

- Estimated Total Project Budget: \$2,929,000
- Estimated Construction Budget: \$2,121,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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Division No. 2

Northern Wine Country Sewer

PROJECT SUMMARY

Project will construct approximately 14,000 LF of sanitary sewer main along Rancho California Road, Glen Oaks Road, Warren Road, and East Benton Road. This project will also include the installation of service laterals along the proposed alignment. Project Location: Temecula Wine Country

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Winter 2025/2026

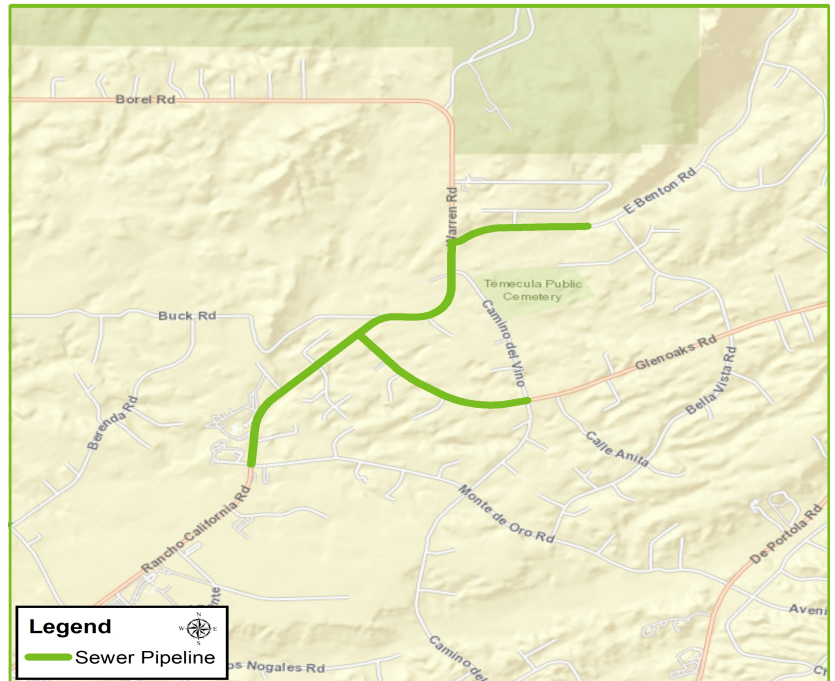
PROJECT BUDGET

- Estimated Total Project Budget: \$10,966,000
- Estimated Construction Budget: \$8,992,000
- Estimated Grant Percentage: 46%

PROJECT BENEFIT

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PROJECT LOCATION



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Southern Wine Country Sewer

PROJECT SUMMARY

Project will construct approximately 23,000 LF of sanitary sewer main along Anza Road and De Portola Road. This project will also include the installation of service laterals along the proposed alignment. Project Location: Temecula Wine Country

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Winter 2025/2026

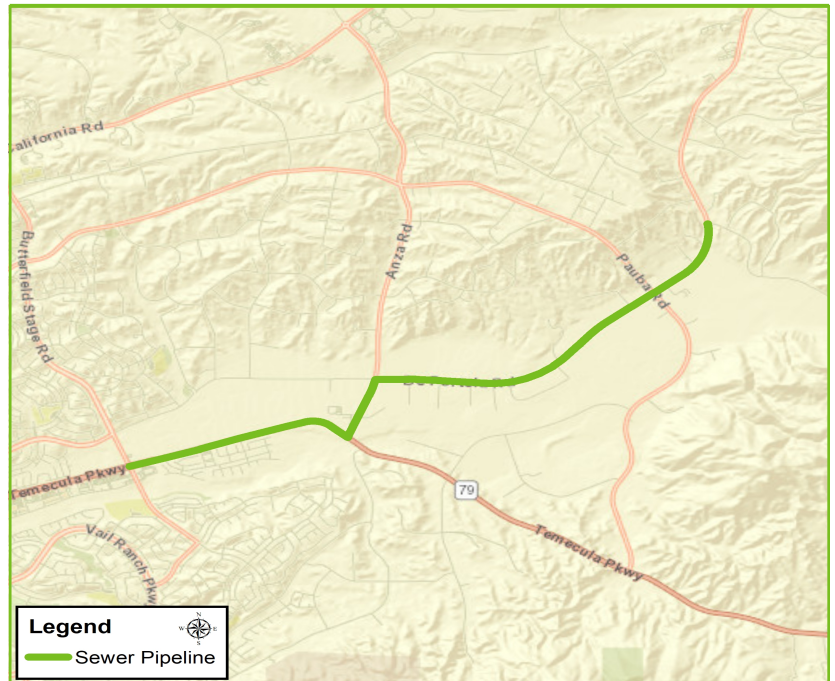
PROJECT BUDGET

- Estimated Total Project Budget: \$17,483,000
- Estimated Construction Budget: \$14,336,000
- Estimated Grant Percentage: 35%

PROJECT BENEFIT

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PROJECT LOCATION



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Temecula Valley Regional Water Reclamation Facility Dewatering Building Corrosion Mitigation

PROJECT SUMMARY

This project will prepare the preliminary engineering study to mitigate corrosion in the building. Alternatives will be prepared for the modification of the fresh air intake and foul air extraction system, including the screw conveyors preliminary layout. Project Location: Temecula Valley Regional Water Reclamation Facility, 42565 Avenida Alvarado, Temecula, California 92590.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2022
- Finish: Summer 2023

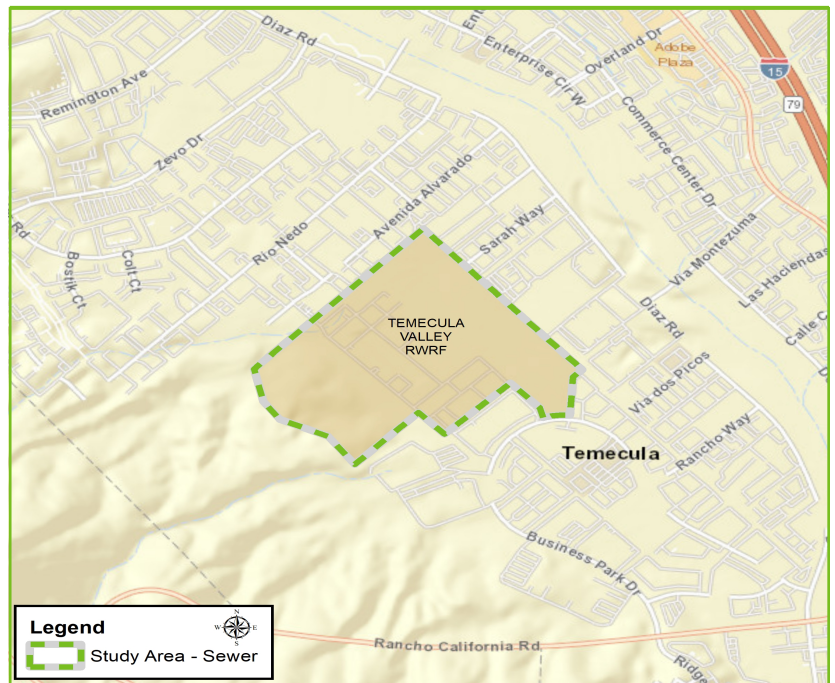
PROJECT BUDGET

- Estimated Total Project Budget: \$2,921,000
- Estimated Construction Budget: \$2,683,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

EMWD protects public health through cost-effective projects and programs to manage biosolids, achieve long-term disposal independence through environmentally sustainable reuse, and the development of recycled water supplies.

PROJECT LOCATION



MORE INFORMATION

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Temecula Valley Regional Water Reclamation Facility Erosion Control

PROJECT SUMMARY

This project is to design and implement permanent erosion control measures at south hill site at Temecula Valley Regional Water Reclamation Facility. Location: 42565 Avenida Alvarado, Temecula, California

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Winter 2024/2025

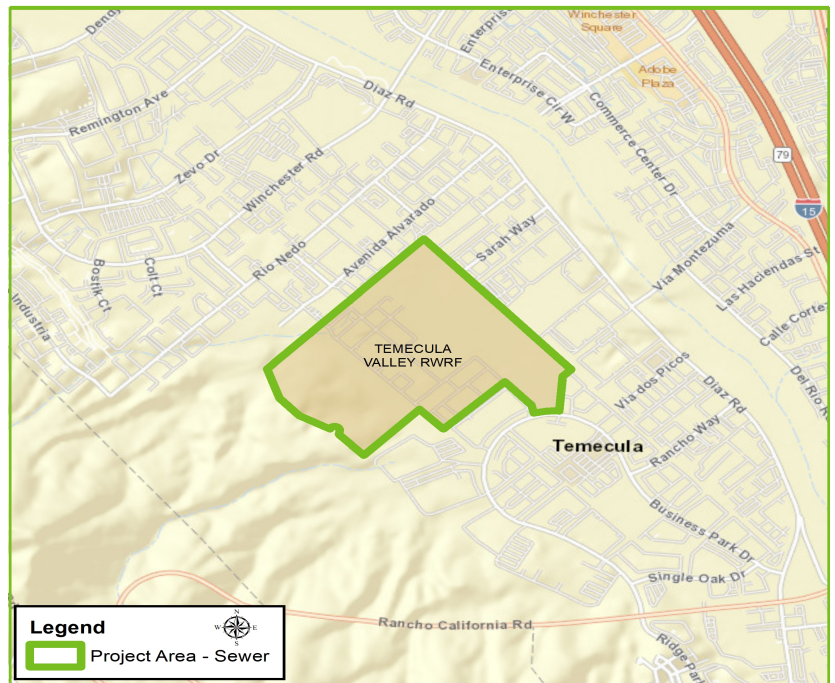
PROJECT BUDGET

- Estimated Total Project Budget: \$280,000
- Estimated Construction Budget: \$219,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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Temecula Valley Regional Water Reclamation Facility Gravity Sand Filter Rehabilitation

PROJECT SUMMARY

This project will modify power feed and control at the gravity filters motor operated valves and install new motor operators, conduit, and cables for the existing slide gates at the headworks. Project Location: Temecula Valley Regional Water Reclamation Facility, 42565 Avenida Alvarado, Temecula, CA 92590.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2024
- Finish: Spring 2025

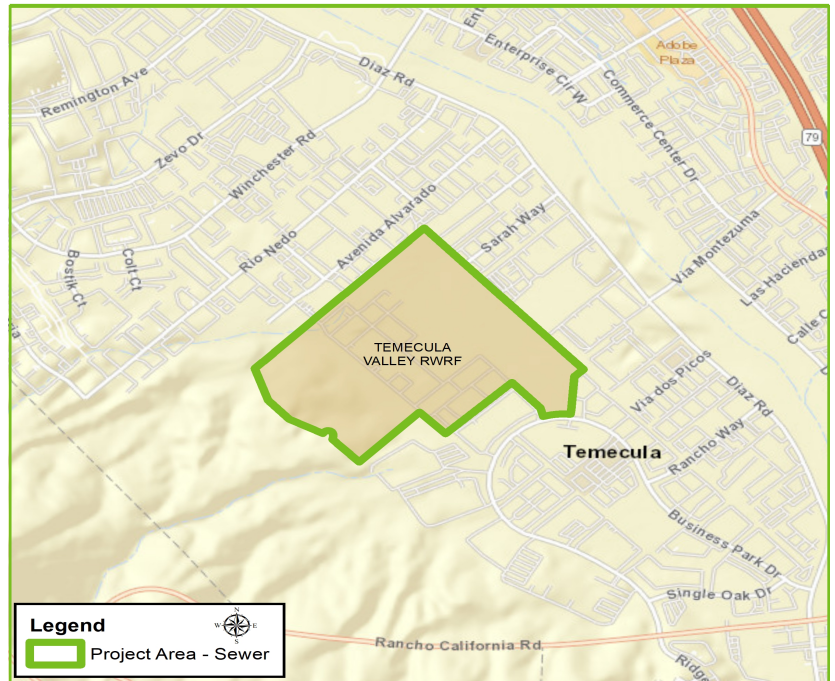
PROJECT BUDGET

- Estimated Total Project Budget: \$996,000
- Estimated Construction Budget: \$883,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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Temecula Valley Regional Water Reclamation Facility Multi Purpose Building Retrofit

PROJECT SUMMARY

This project plans to repurpose the old blower building that was constructed in 1970s. Once renovated, the rooms could be used for various events at the Water Reclamation Facility. Construction includes roof replacement, case work, floor and wall finishing, ceiling work, HVAC, lighting, plumbing work, and exterior work. Project Location: 42565 Avenida Alvarado, Temecula, California 92590.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2022
- Finish: Spring 2023

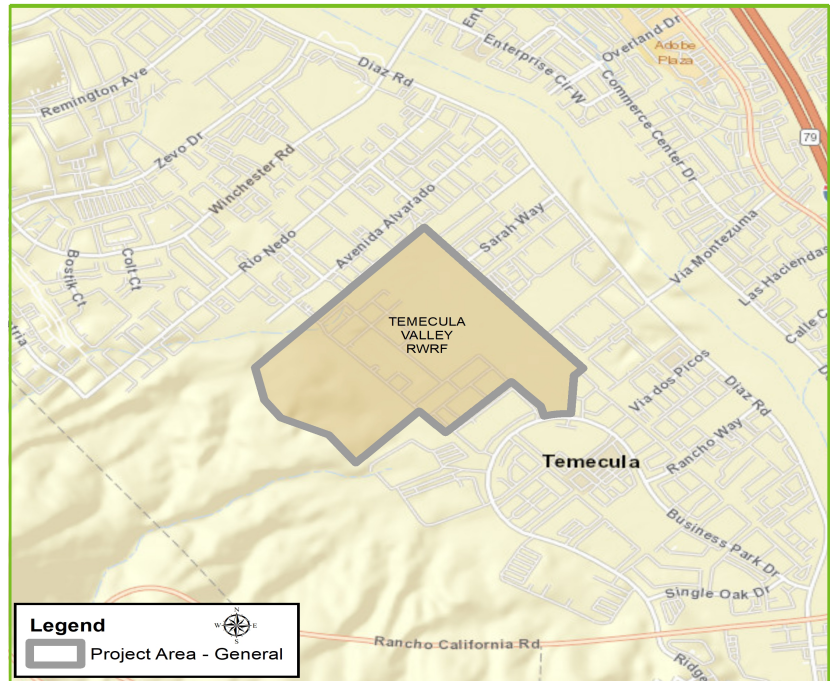
PROJECT BUDGET

- Estimated Total Project Budget: \$2,375,000
- Estimated Construction Budget: \$2,130,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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Temecula Valley Regional Water Reclamation Facility Plant 1 Air Line Replacement

PROJECT SUMMARY

This project will design and construct a replacement aeration air system for Plant 1 consisting of above-grade stainless steel piping, providing a more durable material and better access for ongoing maintenance activities. Project Location: TVRWRF, 42565 Avenida Alvarado, Temecula, California 92590

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2024
- Finish: Spring 2025

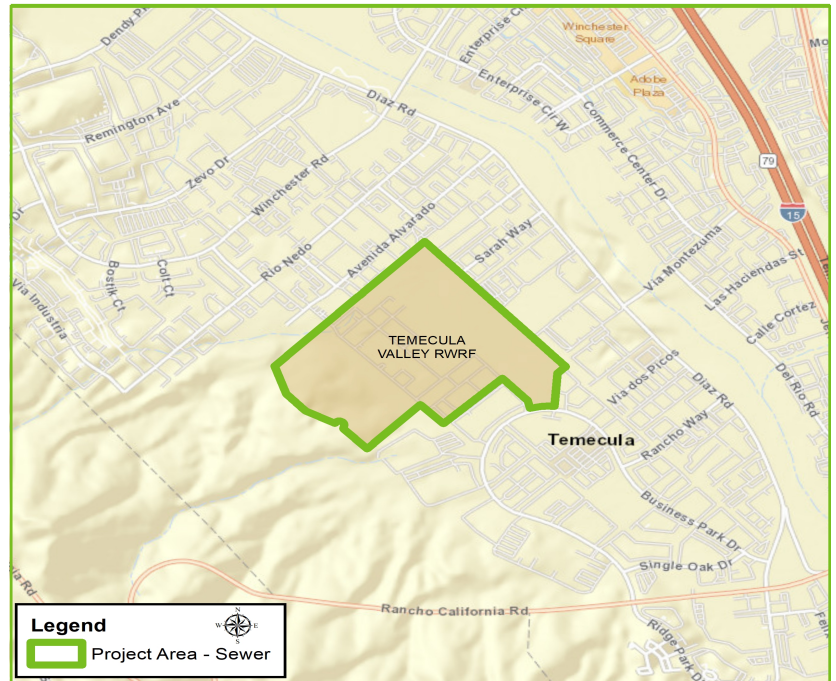
PROJECT BUDGET

- Estimated Total Project Budget: \$10,000,000
- Estimated Construction Budget: \$8,200,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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Temecula Valley Regional Water Reclamation Facility TEPS VFD Installation

PROJECT SUMMARY

This project will replace existing soft starters at TEPS electrical building with Variable Frequency Drives (VFD). Project Location: Temecula Valley Regional Water Reclamation Facility, 42565 Avenida Alvarado, Temecula, CA 92590.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2023/2024
- Finish: Winter 2024/2025

PROJECT BUDGET

- Estimated Total Project Budget: \$3,338,000
- Estimated Construction Budget: \$3,100,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



MORE INFORMATION

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- EMWD BOARD MEMBER:
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Division No. 2

Warm Springs Lift Station Replacement

PROJECT SUMMARY

Warm Springs Lift Station Replacement project is the design and construction of a new regional sewage lift station with an initial capacity of 27 MGD, including site work, yard piping, off-site piping, civil paving and grading, structural, architectural, mechanical, electrical and instrumentation, infrastructure in support of future odor control system, and demolition of the existing lift station. Project is located at 27900 Diaz Road, in the City of Temecula, at intersection of Zevo Drive.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2030
- Finish: Summer 2033

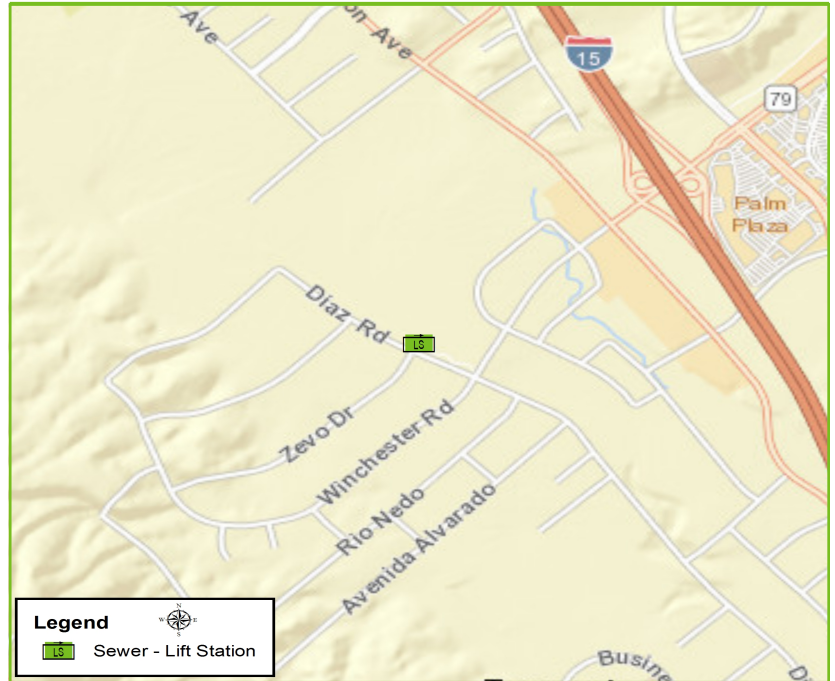
PROJECT BUDGET

- Estimated Total Project Budget: \$36,225,000
- Estimated Construction Budget: \$29,705,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



MORE INFORMATION

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Public Affairs Manager
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- EMAIL: rountrr@emwd.org
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Wine Country Trench Stabilization Pilot

PROJECT SUMMARY

Pavement cracking and settlements observed above the sewer backfill area along Rancho California Road between Anza Road and Monte De Oro Road. This project is to perform a pilot demonstration of feasibility and cost-effectiveness of using pressure grout to densify and stabilize trench. Two pilot locations are selected. The first location is at Rancho California Road, approximately 275 linear feet of trench, and the second is located at Monte de Oro Road, approximately 250 linear feet of trench.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2022/2023
- Finish: Summer 2023

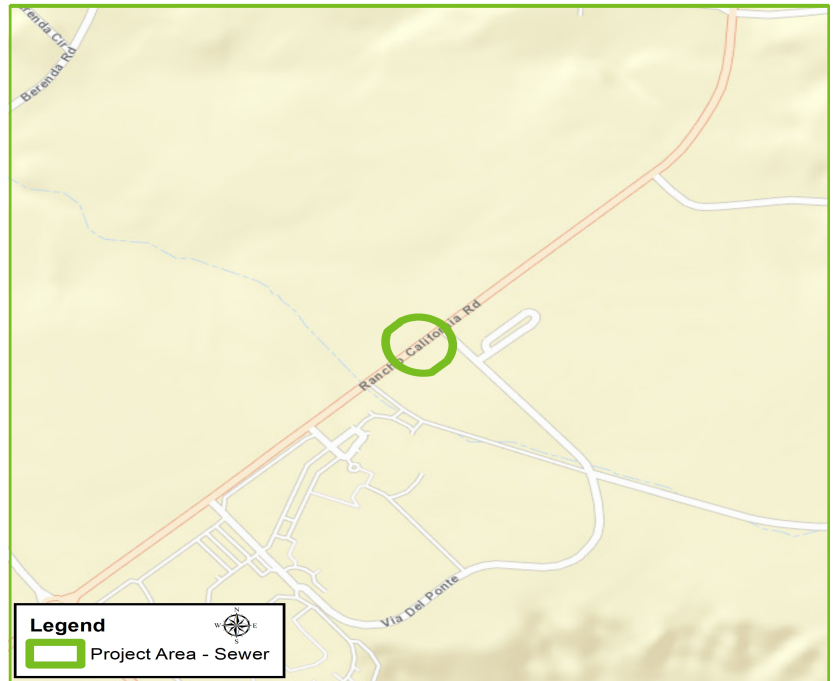
PROJECT BUDGET

- Estimated Total Project Budget: \$331,000
- Estimated Construction Budget: \$304,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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