

CAPITAL IMPROVEMENT PROGRAM QUARTERLY REPORT



Board President Phil Paule is interviewed at the Perris II Desalter Dedication Event

PHILIP E. PAULE
PRESIDENT
DIVISION 1

The northern portion of the City of Murrieta, the southwest portion of the City of Moreno Valley, the northern portion of the City of Perris, and the unincorporated areas of French Valley, Winchester, Domenigoni, Diamond Valley, Homeland, Juniper Flats, Nuevo, Lakeview, Gilman Hot Springs, and Green Acres.



Cactus II Feeder Phase I Pipeline

PROJECT SUMMARY

The Cactus II Feeder consists of approximately two (2) miles of 42-inch to 30-inch diameter pipe extending from the end of the Cactus I Feeder at Heacock Street and Cactus Avenue, east along Alessandro Boulevard, then south to the intersection of Cactus Avenue and Moreno Beach Drive in the City of Moreno Valley. Phase 1 consists of approximately 8,100 feet of 42-inch pipe along Cactus Avenue between Heacock Street and Indian Street, along Indian Street between Cactus Avenue and Alessandro Boulevard, along Alessandro Boulevard between Indian Street and Perris Boulevard, and along Perris Boulevard between Alessandro Boulevard and Saint Christopher Lane.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2021
- Finish: Summer 2023

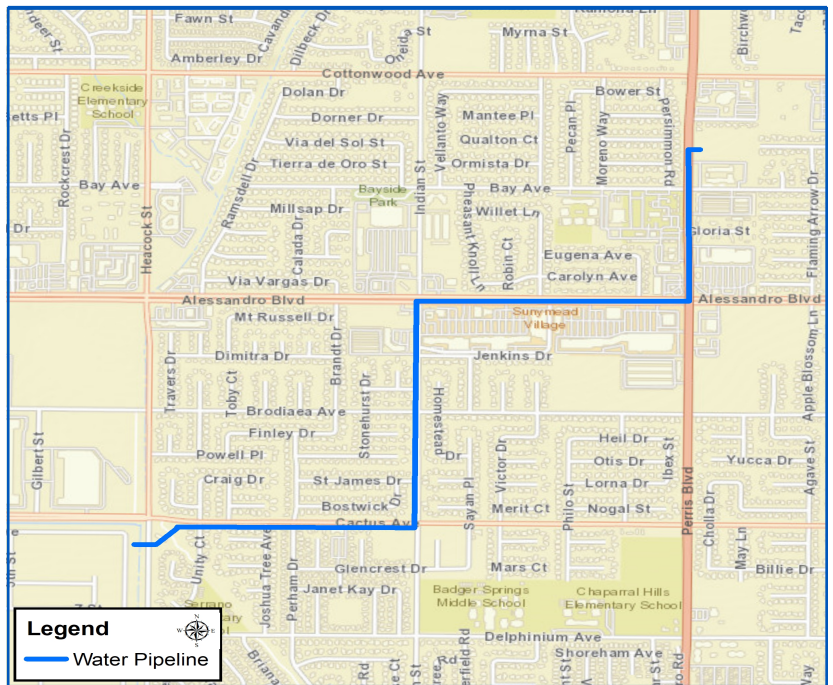
PROJECT BUDGET

- Estimated Total Project Budget: \$18,474,000
- Estimated Construction Budget: \$14,916,000
- Estimated Grant Percentage: N/A

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

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- EMWD BOARD MEMBER:
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Division No. 1

Citrus II Tank Interior Recoating

PROJECT SUMMARY

This project will rehab the Citrus II Tank, which is a 7.2 MG tank. The scope of work includes removal and replacement of interior and exterior coating, replacement of stairs, and installation of perimeter safety railing. Project Location: 27576 Citrus Avenue, Perris, CA

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2022
- Finish: Spring 2023

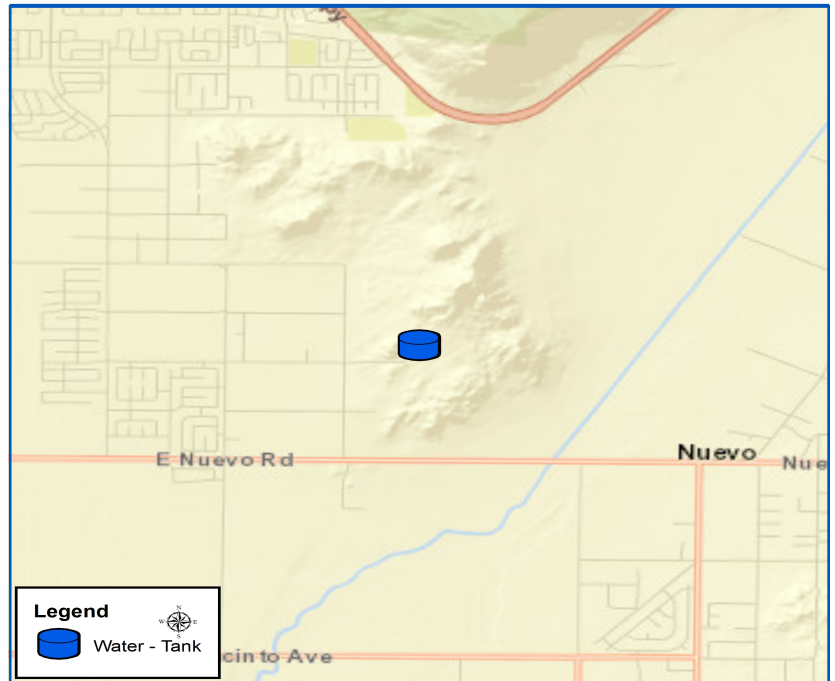
PROJECT BUDGET

- Estimated Total Project Budget: \$5,870,000
- Estimated Construction Budget: \$3,580,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

Water storage facilities allow EMWD to provide water supply reliability, maintain system pressurization and to provide emergency water storage in the event of unplanned outages.

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Amanda Fine
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- EMWD BOARD MEMBER:
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Menifee Road Water Pipeline

PROJECT SUMMARY

Design approximately 5,400 feet of 24-inch pipeline along Menifee Road, in the City of Menifee. Project will support existing demands and increased demands from current and planned development. Project Location: Along Menifee Road between Mountain Avenue and Watson Road, Menifee.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2023
- Finish: Fall 2024

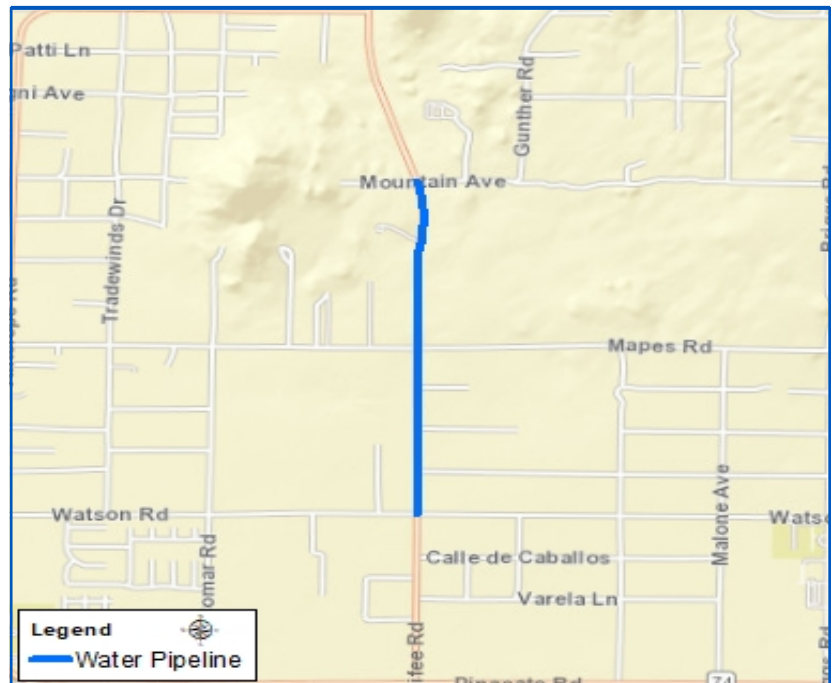
PROJECT BUDGET

- Estimated Total Project Budget: \$4,763,000
- Estimated Construction Budget: \$4,353,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
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Division No. 1

Mountain View Tank Rehabilitation

PROJECT SUMMARY

This project will rehab the Mountain View Tank. The scope of work includes removal and replacement of interior and exterior coating, replacement of stairs, and installation of perimeter safety railing. Project Location: 31385 Promontory Road, Murrieta, CA

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2022
- Finish: Spring 2023

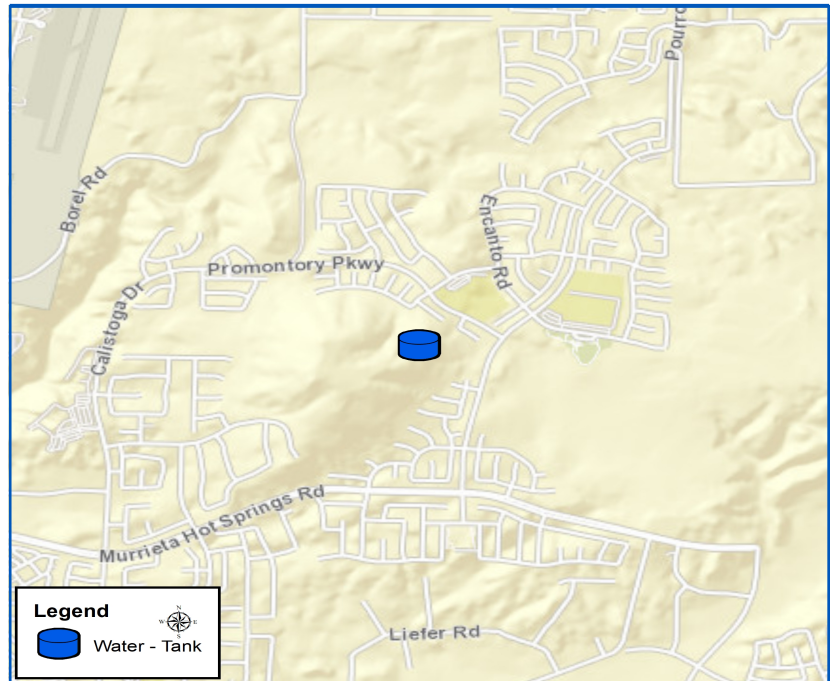
PROJECT BUDGET

- Estimated Total Project Budget: \$3,353,000
- Estimated Construction Budget: \$3,298,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

Water storage facilities allow EMWD to provide water supply reliability, maintain system pressurization and to provide emergency water storage in the event of unplanned outages.

PROJECT LOCATION



MORE INFORMATION

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Oleander I Tank Rehabilitation

PROJECT SUMMARY

Removal of existing interior coating and recoating of the tank interior; replacement of existing stairs; and installation of perimeter safety railing. Project Location: 17550 Lasselle Street, Moreno Valley, California 92555

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2023
- Finish: Spring 2024

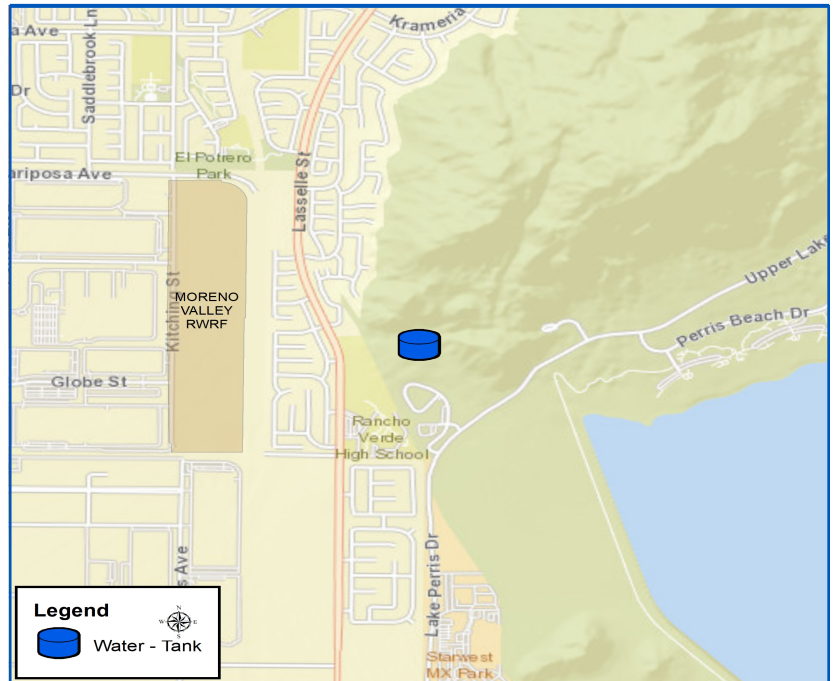
PROJECT BUDGET

- Estimated Total Project Budget: \$1,083,000
- Estimated Construction Budget: \$1,000,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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Pat Road Booster Engine Replacements

PROJECT SUMMARY

The Pat Road Booster Station is located at 34501 Leon Road, formerly known as the intersection of Pat Road and Leon Road in French Valley, California. The facility was constructed in 1992 and has a capacity of 40,000 GPM that conveys potable water north to the 1627 pressure zone. The facility includes four large pumps: two (2) electric-driven and two (2) gas-driven. The two gas-driven pumps will be replaced with electric-driven pumps to improve reliability.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2020
- Finish: Spring 2023

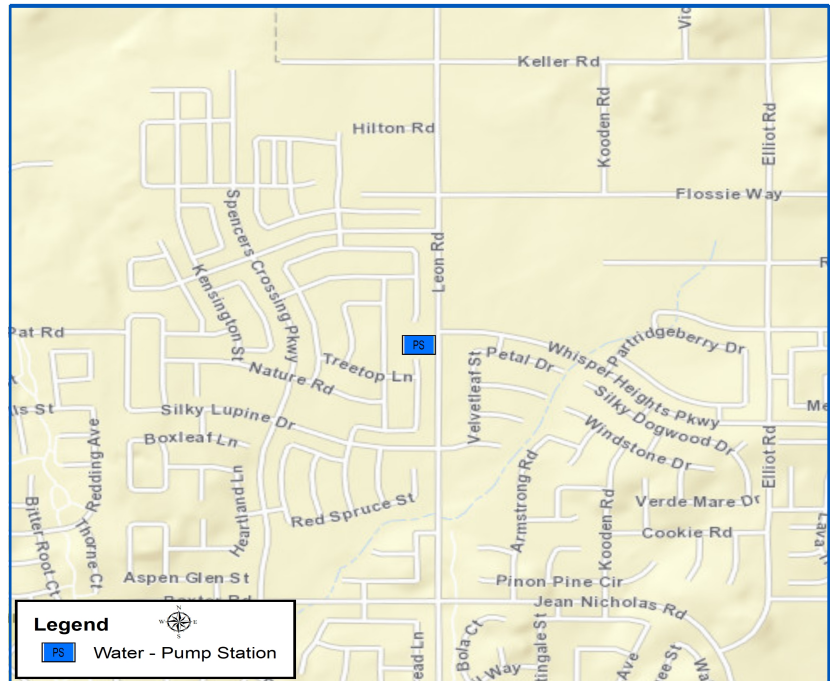
PROJECT BUDGET

- Estimated Total Project Budget: \$6,841,000
- Estimated Construction Budget: \$5,993,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



MORE INFORMATION

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Pettit Regulated Pressure Zone

PROJECT SUMMARY

The targeted area is generally confined between north of Cactus Avenue, and south of Cottonwood Avenue, between Heacock Avenue and Lasselle Street in the City of Moreno Valley. New pipelines, valves and controllers will be installed to create a new pressure zone by converting a portion of the Moreno PZ (1680 PZ) to be regulated from the Pettit PZ (1764 PZ). The new hydraulic grade line will be approximately 1710 feet, which will result in higher pressures for the customers and less pressure swings throughout the day.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2021
- Finish: Spring 2023

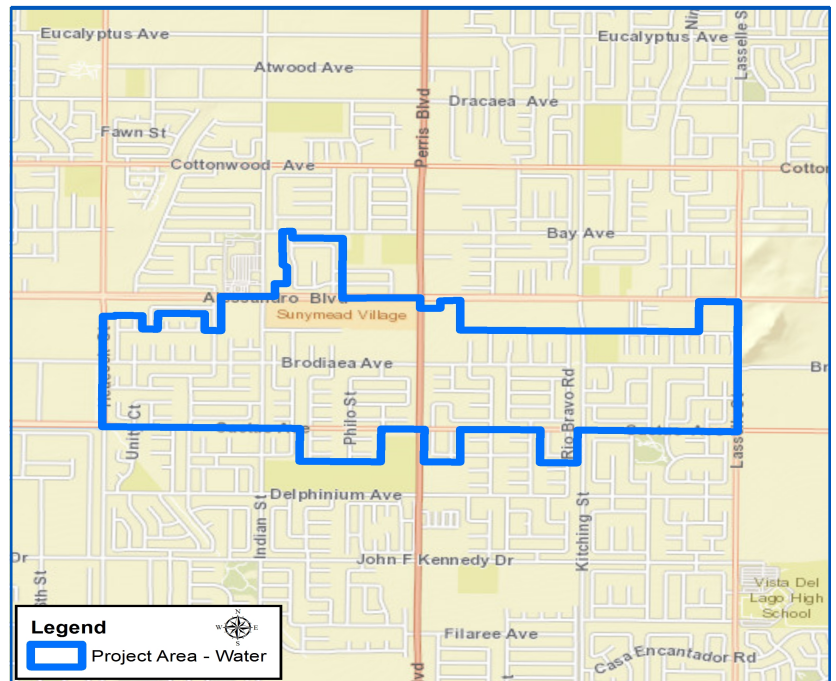
PROJECT BUDGET

- Estimated Total Project Budget: \$3,982,000
- Estimated Construction Budget: \$3,336,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



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Perris Water Filtration Plant Phase III Expansion

PROJECT SUMMARY

Phase III Expansion of the existing Perris Water Filtration Plant (PWF) to an estimated capacity of 34 MGD to increase supply capacity and reliability. This PAR will fund the first step of the Phase III Expansion, which includes a Capacity Improvements Study at three capacity thresholds: 20, 24, and 28 MGD. Project Location: 19750 Old Evans Road, Perris, CA.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2035/2036
- Finish: Fall 2037

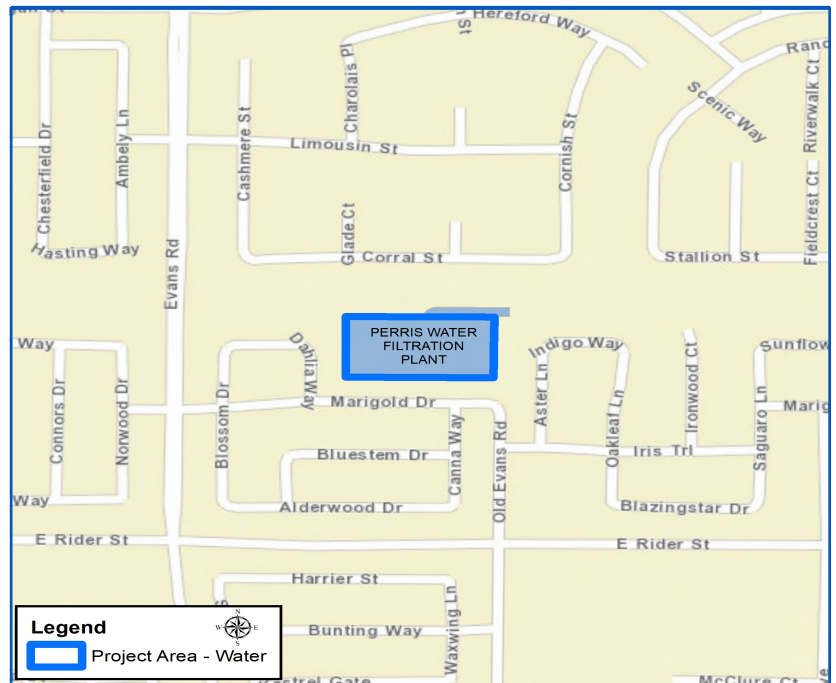
PROJECT BUDGET

- Estimated Total Project Budget: \$41,242,000
- Estimated Construction Budget: \$33,242,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

EMWD strives to ensure all supplies introduced into the distribution systems are of a water quality that protects the health and safety of the community and is in full compliance with all applicable Federal and State standards.

PROJECT LOCATION



MORE INFORMATION

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Perris Water Filtration Plant Maintenance

PROJECT SUMMARY

The Perris Water Filtration Plant (PWFP) treats Colorado River Water and the State Water project supplies using ultrafiltration membrane technology to produce up to 24 million gallons per day of potable water. Influent water entering the plant from the Colorado River is not pressurized and requires lifting into the plant facilities via the raw water pump station. The raw water pump station located at the Perris Water Filtration Plant has four pump cans that are showing signs of corrosion. Both the internal and external surfaces have several areas of complete coating failure and subsequent metal loss due to corrosion. Due to the level of corrosion, the pump cans need to be replaced.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2023
- Finish: Spring 2024

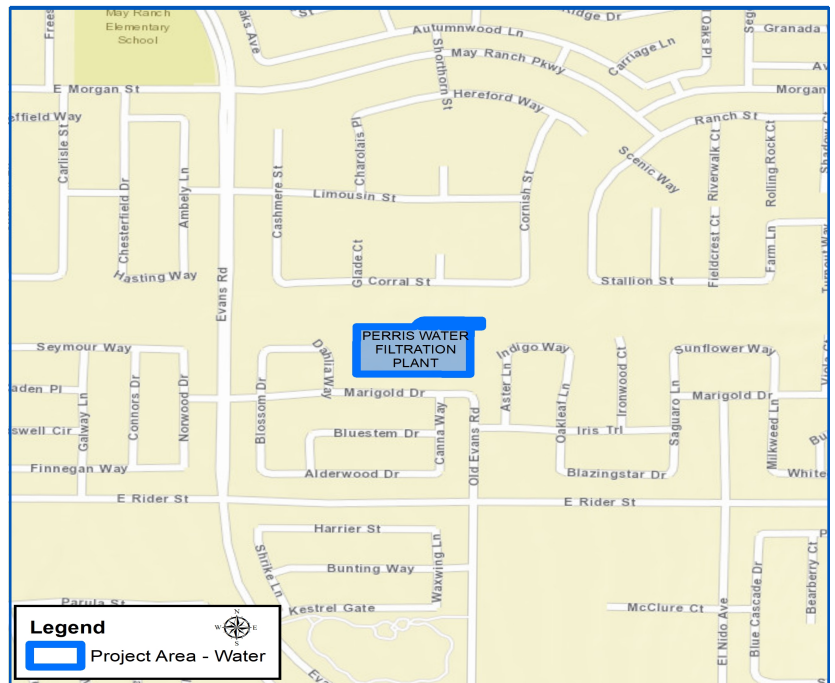
PROJECT BUDGET

- Estimated Total Project Budget: \$3,646,000
- Estimated Construction Budget: \$3,351,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



MORE INFORMATION

- CONTACT: Amanda Fine
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Rice Road Pipeline Project

PROJECT SUMMARY

Construct 700 linear feet of approximately 18-inch potable water pipeline on Rice Road crossing Salt Creek to accommodate growth. Project Location: On Rice Road between Olive Avenue and Domenigoni Parkway in Winchester, CA.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2024
- Finish: Fall 2025

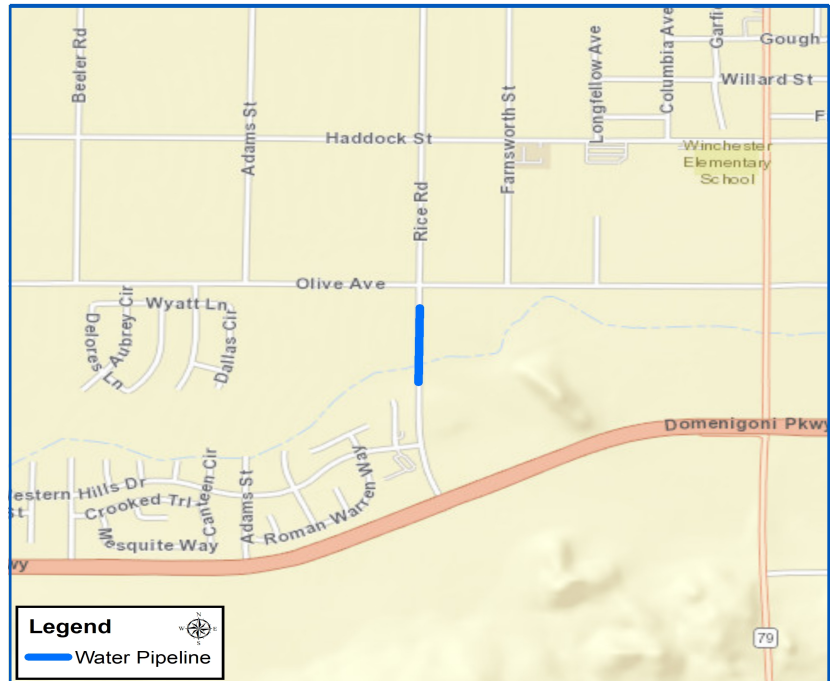
PROJECT BUDGET

- Estimated Total Project Budget: \$3,467,000
- Estimated Construction Budget: \$3,000,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
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Ridgecrest Road Tank Project

PROJECT SUMMARY

The Ridgecrest Road Tank project advances the design and construction of a potable water storage tank that will serve the 1720 Winchester Hills pressure zone. The improvements consist of a tank with a storage volume of approximately 3.4 million gallons, site improvements, and transmission pipeline. The final project location is to be determined.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2028
- Finish: Spring 2030

PROJECT BUDGET

- Estimated Total Project Budget: \$10,671,000
- Estimated Construction Budget: \$8,601,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

Water storage facilities allow EMWD to provide water supply reliability, maintain system pressurization and to provide emergency water storage in the event of unplanned outages.

PROJECT LOCATION



MORE INFORMATION

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Walnut Tank Rehab

PROJECT SUMMARY

The proposed project will include removal of existing interior recoating, recoating of the tank interior, removal of existing exterior coating, recoating of the tank exterior, replacement of existing stairs, and installation of perimeter safety railing. Project Location: 27939 Ramona Expressway, Perris, CA 92571

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2023
- Finish: Spring 2024

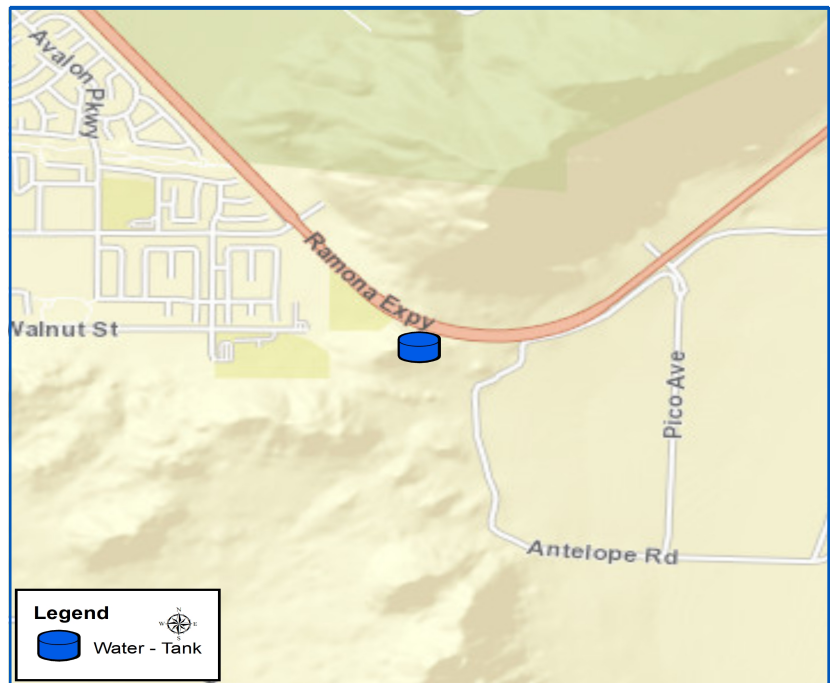
PROJECT BUDGET

- Estimated Total Project Budget: \$2,089,000
- Estimated Construction Budget: \$2,000,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



MORE INFORMATION

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Washington Street Pipeline Project

PROJECT SUMMARY

The project consists of design and construction of approximately 6,400 linear feet of 18-inch diameter transmission pipe. The project is located along Washington Street between Fields Drive and Abelia Street, south of the Winchester area in an unincorporated region of Riverside County.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Summer 2025

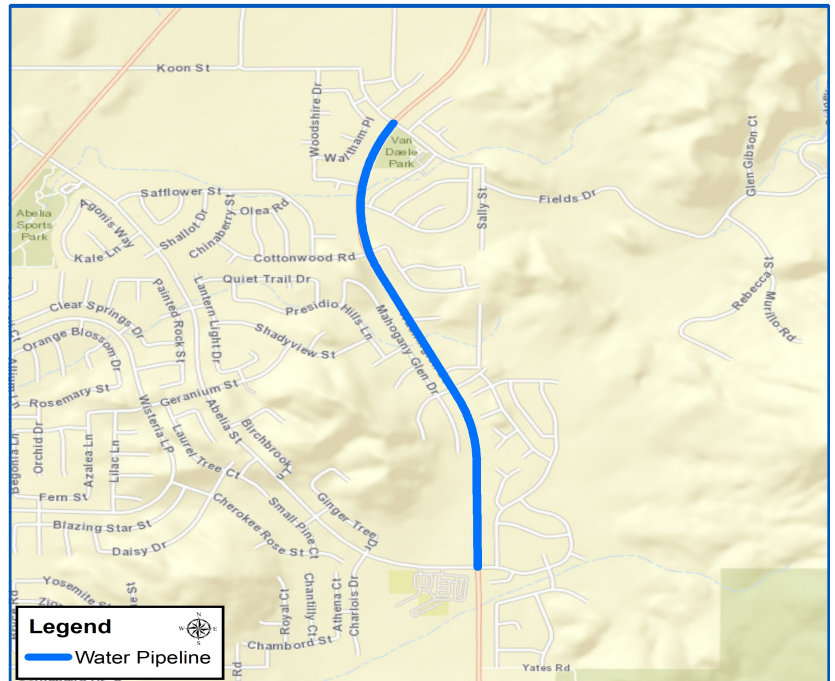
PROJECT BUDGET

- Estimated Total Project Budget: \$3,367,000
- Estimated Construction Budget: \$2,784,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
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Well 56 Wellhead Treatment

PROJECT SUMMARY

Well 56 is located at the intersection of Perry Street and Indian Avenue in the City of Perris. The well was constructed in 1994 and had an original design capacity of 1,200 GPM. The well was taken out of service in February of 2019 due to elevated levels of per- and polyfluoroalkyl substances (PFAS). It is suspected that PFAS entered the groundwater from the historic use of aqueous film forming foam at a firefighting training area on the east side of March Air Reserve Base. The District has proactively taken the well offline while perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic (PFOS) acid concentrations continue to be monitored and treatment options are evaluated.

CURRENT STATUS:

Planning

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2025
- Finish: Spring 2027

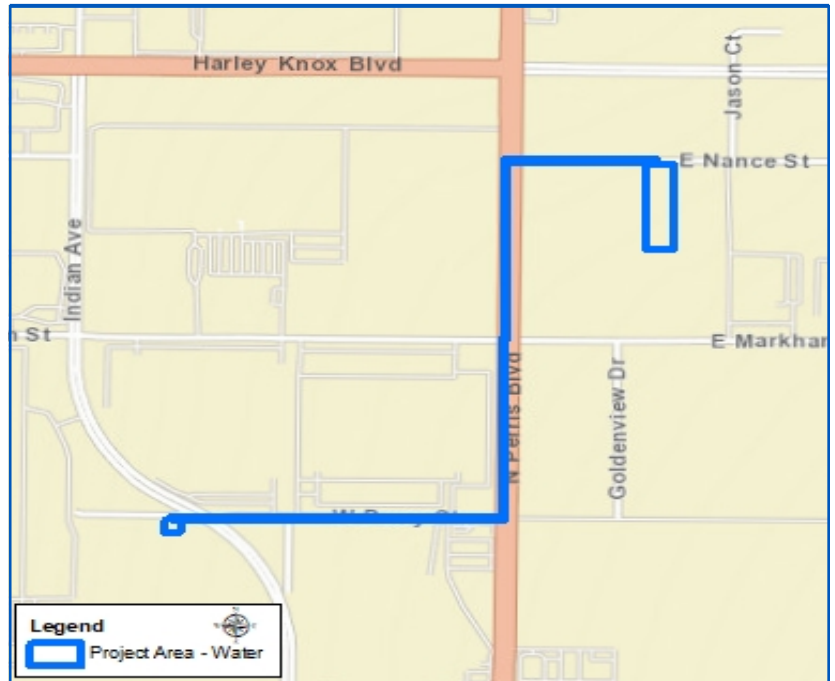
PROJECT BUDGET

- Estimated Total Project Budget: \$7,509,000
- Estimated Construction Budget: \$6,000,000
- Estimated Grant Percentage: 45%

PROJECT BENEFIT

Through collaborative and multi-faceted approaches, EMWD is able to successfully manage and augment its groundwater supplies in an economically and environmentally responsible manner to ensure long-term reliability for its customers.

PROJECT LOCATION



MORE INFORMATION

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- EMWD BOARD MEMBER:
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Division No. 1

Winchester 1650 Pressure Zone Realignment

PROJECT SUMMARY

The master plan recommended rezoning the 1650 Regulated PZ into the 1719 PZ to address pressure deficiencies. This planning effort will evaluate the best approach to implement the rezoning effort. A report will summarize the findings of the analysis and recommendation for implementing the CIP project. Project Location: Winchester, 1650 Pressure Zone

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

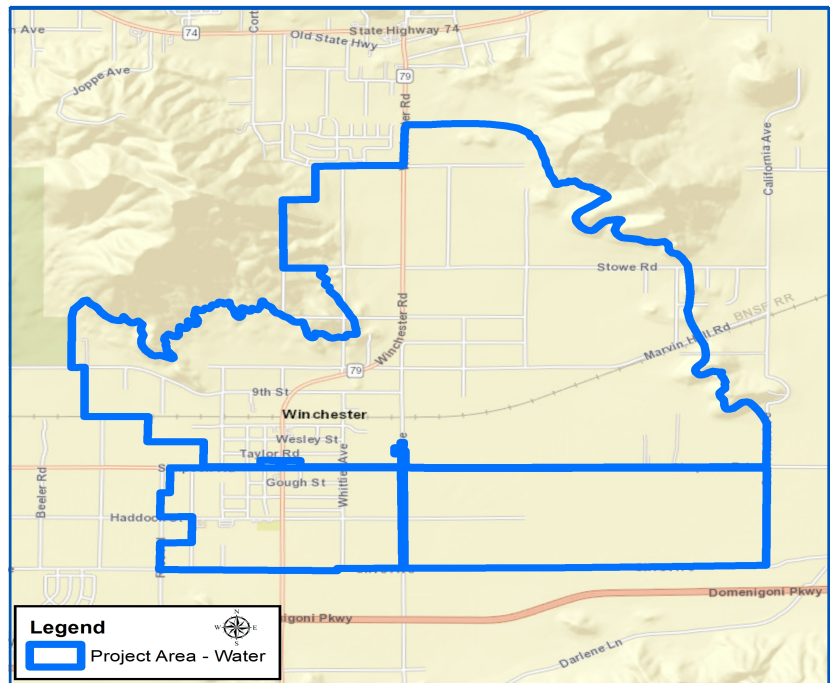
PROJECT BUDGET

- Estimated Total Project Budget: \$1,041,000
- Estimated Construction Budget: \$833,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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PROJECT LOCATION



MORE INFORMATION

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Kitching Street and Iris Avenue Sewer Project

PROJECT SUMMARY

This project is to replace existing 18-inch sewer along Kitching Street from Gentian Avenue to the Iris Avenue and existing 15-inch sewer along Iris Avenue from Kitching Street to La Fortuna Lane, in the City of Moreno Valley.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2023
- Finish: Summer 2024

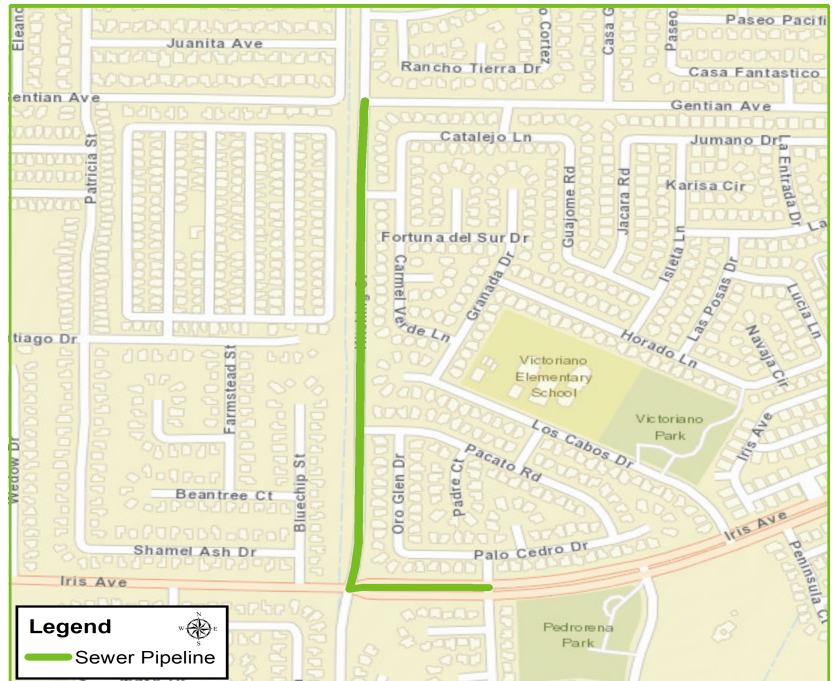
PROJECT BUDGET

- Estimated Total Project Budget: \$5,733,000
- Estimated Construction Budget: \$4,919,000
- 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



MORE INFORMATION

- CONTACT: Alma Ramirez
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Winchester Lift Station Bypass Wet Well

PROJECT SUMMARY

The proposed project will build a bypass wet well at the existing Winchester Lift Station facility. The manhole will be used as a bypass wet well in the future when the existing wet well is not possible to use. Project Location: 30554 Olive Avenue, Winchester, CA 92574

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Fall 2025

PROJECT BUDGET

- Estimated Total Project Budget: \$2,123,000
- Estimated Construction Budget: \$1,573,000
- 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



MORE INFORMATION

- CONTACT: Alma Ramirez
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Dunlap Drive Pipeline Replacement

PROJECT SUMMARY

The Dunlap Drive Recycled Water Pipeline consists of 36-inch diameter cement mortar lined and coated (CMLC) steel pipeline that extends approximately 3.8 miles. The pipeline conveys recycled water to Eastern Municipal Water District's Trumble Road Storage Ponds. The existing pipeline, which was originally constructed in 1992, has experienced several leaks due to corrosion and is near the end of its useful life. This replacement project is located within the 1627 Pressure Zone and is bounded on the south by Ellis Avenue and extends approximately 2,000 feet northerly along Dunlap Drive to just north of the San Jacinto River.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2026
- Finish: Summer 2027

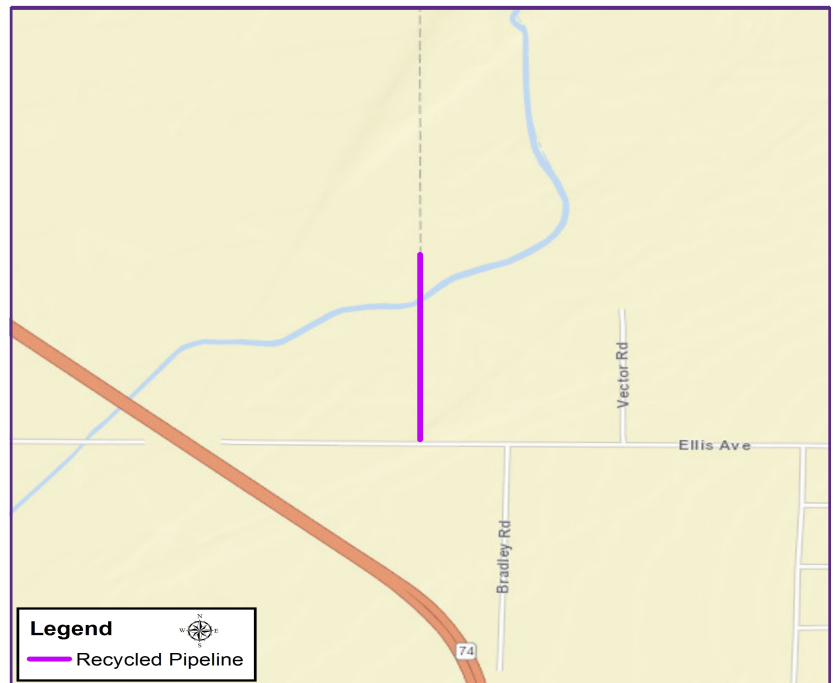
PROJECT BUDGET

- Estimated Total Project Budget: \$2,522,000
- Estimated Construction Budget: \$2,200,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

EMWD's recycled water conveyance system is designed to provide reliability and redundancy in delivering high-quality recycled water in a cost-effective manner to help reduce reliance on drinking water supplies for irrigation and industrial purposes.

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Amanda Fine
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French Valley Recycled Water Phase II Pipeline

PROJECT SUMMARY

The proposed French Valley Recycled Water Pipeline Phase II project will extend approximately 12,300 feet of recycled water pipeline to provide recycled water to multiple retrofit sites in the French Valley community, including Emerald Park, Brookfield Park, Susan LaVorgna Elementary School, Valley Wide Recreation and Park District Street Landscaping. The project will expand the recycled water distribution system to offset 121 acre feet per year of existing potable water use for landscape irrigation and a future retrofit by Temecula Valley Unified School District to offset an additional 14 acre feet per year for landscape irrigation.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2022
- Finish: Fall 2023

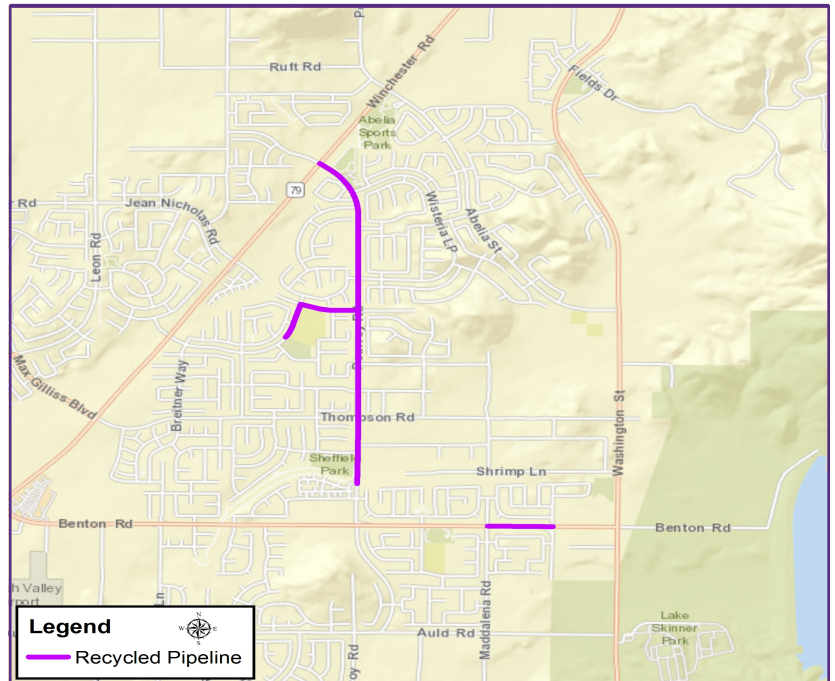
PROJECT BUDGET

- Estimated Total Project Budget: \$5,865,000
- Estimated Construction Budget: \$5,453,000
- Estimated Grant Percentage: 50%

PROJECT BENEFIT

EMWD's recycled water conveyance system is designed to provide reliability and redundancy in delivering high-quality recycled water in a cost-effective manner to help reduce reliance on drinking water supplies for irrigation and industrial purposes.

PROJECT LOCATION



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