

INFRASTRUCTURE MANAGEMENT

The District has several active projects that are part of our infrastructure enhancement focusing the assets that are owned collectively by all of our customers in the form of our distribution system. RMWD's task is to efficiently manage your investment to get the maximum service from them at the most reasonable expense and here are ways.

We manage a distribution system that covers over 80 square miles and consists of over 325 miles of pipelines! These assets allow the water that started as snow in the Rockies to gets to your home, and the management of the assets that deliver this water to you is the core of what we do here at RMWD. Here are some of our projects currently underway.

Rice Canyon 18-inch Transmission Main - Construction started for the new 18-inch water line began in early January 2022. This new water line will move water from the Rice Canyon Tank into the Horse Ranch Creek and Citro neighborhoods. This new water line also allows the District to move water from one of its Metropolitan Water District (MWD) Connections, which is less expensive than its other San Diego County Water Authority (SDCWA) Connections. The project is expected to be completed by the end of 2022. Pictured below.



People using the trails in this area have likely encountered temporary trail closures and there is signage at each trailhead directing people away from active construction.

Rainbow Valley Cathodic Protection – The project will install Cathodic Protection (CP) on a steel water main starting at the Rainbow Heights Pump Station and ending at the Rainbow Hills Pump Station along 8th Street. CP uses sacrificial anodes to protect metallic pipelines such as this steel water line. By installing CP, the sacrificial anodes prevent additional corrosion to the protected pipeline, thus extending the life of critical infrastructure. The first picture shows a test station where District personnel can test the anodes. The second picture is the drill rig which is used to drill the deep wells where the anodes are buried. The project is scheduled for completion by May 2022. As seen below.



Sewer Lift Station 1 Replacement – The project started construction in mid-January. This is a multi-phase project where a new sewer lift station will be constructed off Thoroughbred Lane (as seen in the picture below), and new gravity and force main sewer lines. The District continues to coordinate with the County, Cal Trans, and the tenants of the affected shopping centers to minimize impact to traffic delays. All shopping centers will remain open during construction and detour signage will direct vehicles around the work zone(s). Pictured below.



Live Oak Park Bridge – While this is a County of San Diego Capital Improvement Project (CIP), the District has two (2) existing water lines that hang on the side of the bridge. These two water lines will temporarily be taken out of service so the County’s contractor can perform the bridge replacement work.

Once the new bridge is constructed, the District’s contractor will then re-install the water lines. There will be no water service interruption to the District’s customers as a part of this work. This is a great example of two local agencies working together! The County is the lead agency, however, as always, our customers may contact the District with any questions about the project. Not pictured. District project details can be found on our website at www.rainbowmwd.com/rmwd-projects.