

WESTERN MUNICIPAL WATER DISTRICT

Cannon Pump Station Project FAQ's

What is the Cannon Pump Station and Interconnection Project?

Western Municipal Water District (Western) is designing a new pump station and interconnection with Riverside Public Utilities (RPU). Known as the Cannon Pump Station, it will be built near Alessandro Boulevard and Overlook Parkway. Once complete, Cannon Pump Station will take water from RPU's mainline through an interconnection near Alessandro Boulevard and Overlook Drive and pump it to Western's distribution system.

Why is Western building the Cannon Pump Station?

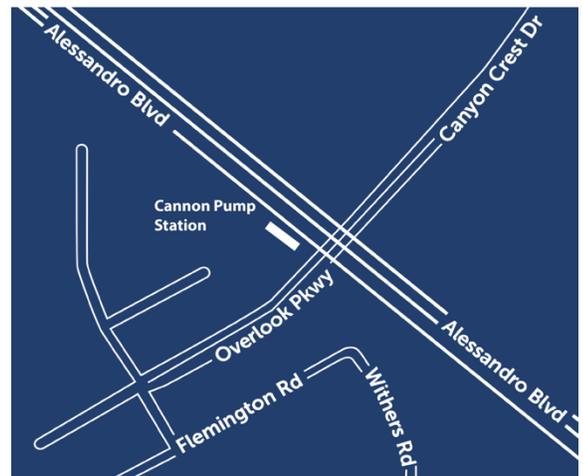
The Cannon Pump Station project is a partnership between Western and RPU. Western is purchasing excess groundwater from RPU and pumping it into their water distribution system at a reduced cost. RPU customers benefit by the sale of that excess water as it helps to stabilize their rates and contributes to water resiliency and reliability for both agencies.

Where is the pump station being built?

The Cannon Pump Station will be built on a 3-acre site owned by Western, located at the end of Caulfield Court in Riverside. Accessible from Caulfield Court, the site sits approximately 20 feet below the northwest corner of Alessandro Boulevard and Overlook Parkway.

What are the features of the Cannon Pump Station?

Cannon Pump Station's equipment will be housed in a new building that will be approximately 100 feet long and 26 feet wide, with a height of 16 feet. The building will be constructed with reinforced concrete masonry in earth-tone colors to complement the natural setting and blend nicely with the neighborhood aesthetics.





Why did Western choose this location and not build on other vacant lots in the area?

For more than a decade, Western and the City of Riverside studied locations of where a pump station could be built. This location was selected because of its proximity to the source of water. This location allows for the pump station to tie into existing infrastructure of the RPU line that runs along Alessandro Boulevard.

How is it possible that Western can build on the site if the area is zone residential?

Western, as a public water agency, is exempt from the City's and County zoning ordinance per CA Government Code 53091 (e).

What is the timeline for the project, and when is construction expected to begin?

Design for the project began in 2020 and is scheduled to be complete by late 2021. We expect construction to start in Spring 2022 and be fully complete with the pump station by late 2023.

What kinds of impacts may I expect in my neighborhood during construction? And how will the roads be protected?

Our goal is to be a good neighbor during and after construction is completed. Construction is expected to occur during city-permitted hours of 7 a.m. to 7 p.m. on weekdays. There will be no planned work on weekends or federal holidays.

Nearby residences may hear typical noise associated with construction such as construction equipment, vehicles, workers talking and safety back-up warning systems. As part of construction documents, we'll be sure contractors implement noise reduction and suppression efforts and implement a dust control plan to meet all air quality standards.

The roads will be inspected and Western will document their condition prior to construction. Once construction is complete, if there is any damage, Western will require the contractor to repair the roads back to their original condition or better.

How much additional traffic can I expect in my neighborhood during construction?

Western will work with its engineering partner, Carollo, to minimize impacts to neighbors during construction. Western has requested that the construction team park their personal vehicles off-site and be shuttled to the work site, helping to reduce vehicle traffic and parking congestion on Caulfield Court. All construction equipment that enters the work site, will stay onsite for the duration of construction.

How often will vehicles be entering the pump station site once operational?

The site will have low vehicle activity as the station is being designed to be operated and monitored remotely. Materials are expected to be delivered approximately once a month with staff visiting the facility on a bi-weekly basis for in-person inspections and other operations activities.

Will neighbors be able to feel the vibration from the pumps?

Western maintains and monitors our pumps continuously. Vibrations will not be felt outside the building or near the boundaries of the pump facility, slight vibrations may be felt within the building. In addition, vibration sensors will be designed into the pumps to monitor during operation, should vibrations exceed our mandated levels, the pumps will shut-off automatically.

How loud will the pumps be?

All operational equipment such as pumps and compressors will be housed inside the 8-inch block reinforced concrete mason building. Any noise generating equipment located outside the concrete block building will be contained inside its own noise suppression enclosure. All these measures will help us keep a quiet facility.

What types of chemicals will be used at this location?

The chemicals being used at this location are safe and typical in standard water treatment. Chlorine and ammonia are combined to create chloramines, which disinfects the water. The construction and management of a pump station is something Western is extremely familiar with and skilled at.

What is the plan if a leak occurs and how do you contain it?

Best practices have been developed over time on how to handle chemicals and reduce the risk of a spill. This begins with having the right monitoring systems and equipment in place. Tanks to be used at this location are double lined and would have containment on site. If there is a leak, an alarm system is triggered notifying staff of the issue and it is addressed immediately from a remote location, so it reaches containment within the building, preventing issues outside of the building.

I saw activity happening near the site recently. If construction isn't starting yet, what is Western working on?

In May, Western's contractors were installing a temporary fence on the north west boundary of Western's property at 1356 Caulfield Court. Once construction begins, the temporary fence will be replaced with a wrought iron fence that will complement the neighborhood aesthetics.

Has Western studied the impacts on property values?

Historically, an operational water pump station does not affect property values. The facility will be well-maintained with very minimal noise or visual impacts. Residents can also expect to see the property gated and secured, which will be an improvement from the current conditions at this location.

How can the community stay informed about the project?

As part of our ongoing commitment to keeping community members informed and involved throughout the project's development, we're ready to have an open line of communication with residents and businesses.

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Securing Your Water Supply

We'll keep you informed through a variety of ways such as virtual and in-person meetings (as public health precautions allow), direct mail letters, postcards, email, and an updated webpage. We encourage you to sign up for project notifications by visiting wmwd.com/Subscribe or the Cannon Pump Station Project tab at wmwd.com/CIFP.

Who can I contact with my questions or concern?

We appreciate you and welcome your feedback any time. Curious about the project? Have questions or concerns? We encourage you to contact Western's Strategic Communications Department at 951.571.7119 or outreach@wmwd.com.