

The background image shows industrial equipment for water wells. It features large blue cylindrical tanks with various pipes, valves, and gauges. A prominent yellow valve is visible on the left. The equipment is mounted on a concrete base. A red banner is overlaid across the middle of the image.

# Cannon

Water Wells



# Reliable Responsive Solutions

*We have provided Reliable Responsive Solutions to clients for projects large and small since 1976.*

In the last decade, we have helped clients plan, design, and implement potable water wells throughout California, enabling them to provide their communities with a safe and reliable drinking water supply.

To accomplish this, we maintain a skilled team of professionals, which include the following:

- Civil Engineers
- Mechanical Engineers
- Electrical Engineers
- Automation and Control Systems Engineers
- Structural Engineers
- Surveyors
- GIS Specialists
- Funding Administrators
- Technicians and Designers

We understand proper coordination with an expert Hydrogeologist is an essential component for preparing to site and drill a well. During our years providing clients with consulting, design, and construction of their wells, we've established strong working relationships with trusted Hydrogeologists throughout California.

## Overview

Preparing a new well for use means more than simply adding a pump and motor. There are several additional factors involved with the design and engineering to successfully equip a water well, and we take the time to work with our clients to better understand and define how they want to operate their facilities. We also incorporate material preferences, and account for proper electrical and automation services, site development, grading, paving, appurtenances, fencing, access lighting, security, and LID requirements. As a full-service engineering, surveying, and construction management firm, we take pride in our ability to offer clients a broad range of services and design options. Preparing for new or multiple wells requires a team that knows how to provide you with a functioning well efficiently and economically. Our team has continuously worked on water well equipping projects throughout California for nearly a decade. From concept through final construction, Cannon can provide the services you need to make your well project a success.



# Well Site Considerations

## Overview

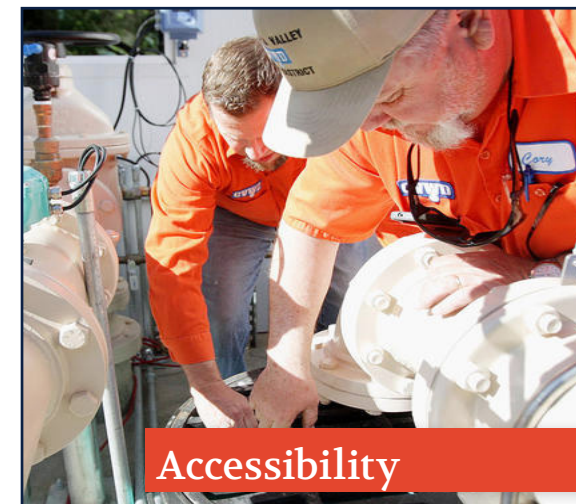
Properly siting your well is a critical first step that often determines how your well facility will function. After a hydrogeologist recommends a site or evaluates a site under consideration, Cannon evaluates the well location in relationship to the existing water system infrastructure and the necessary improvements required. We account for accessibility for maintenance equipment and vehicles, nearby drainage facilities, permits and approvals, aesthetics, security, enclosures, and potential long-term use of the facility.



Security



Visual Sims & Aesthetics



Accessibility



Enclosures



Permits & Approvals



Landscaping & LID

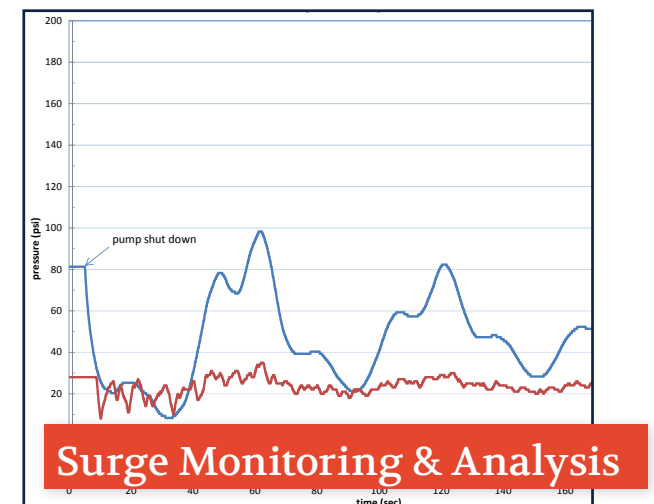
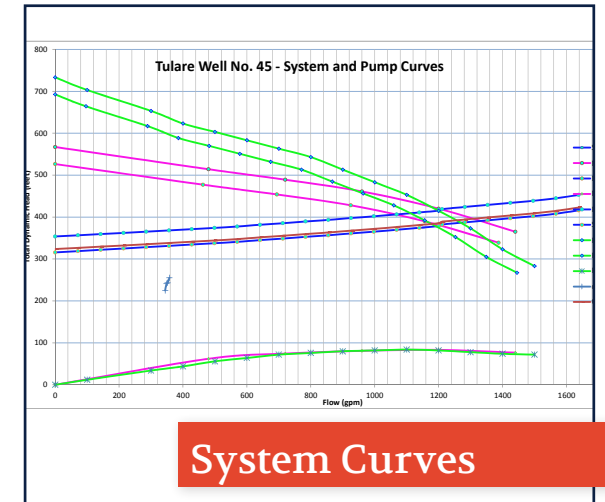
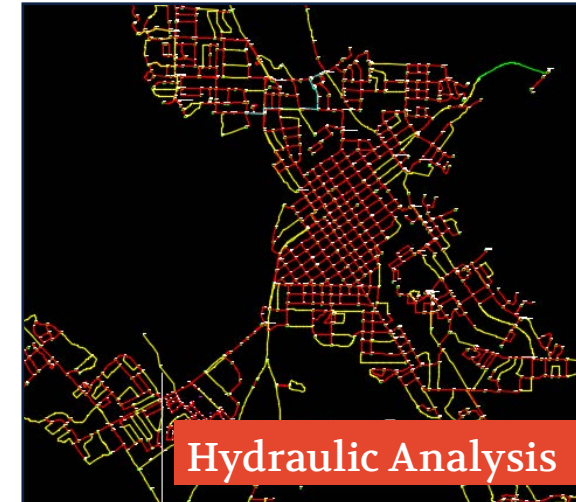


# Systems Analysis & Well Design

## Overview

Cannon provides a multi-disciplined approach to completing your well project. Our surveyors establish the base of engineering design by preparing topographic and boundary surveys. Then, our civil engineers prepare rough and finished grading plans, including the facilities to route drainage to street and storm drains. Our civil mechanical engineers design and engineer the pumps, motors, piping, valves, and metering devices that convey to a governing agency's water system. Our structural engineers design the buildings, canopies, concrete slabs, fences, and appurtenances for the pumps and electrical equipment. Finally, Cannon's in-house landscape architects prepare sustainable landscaping and irrigation plans incorporating Low Impact Development (LID) features with the assistance of our civil engineers.

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“My experience with Cannon has been excellent. They provided proactive solutions and their design plans were thorough. They have been responsive in their communications and diligent in delivering their work product complete and on-time..”

- John Knipe, PE, City of Westlake Village



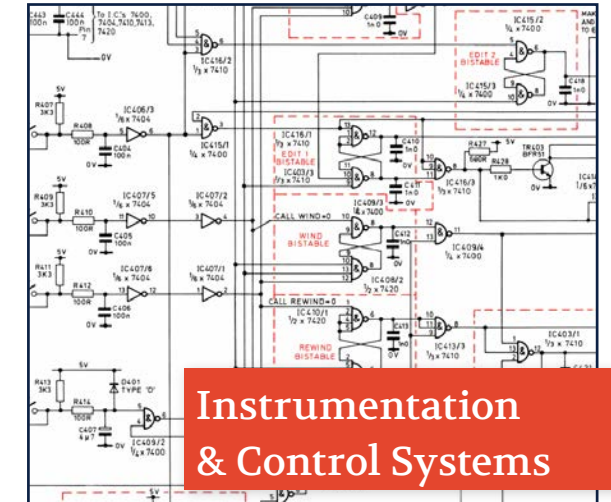
# Automation & Electrical

## Overview

Automation (i.e. Supervisory Control and Data Acquisition/SCADA systems) provide a wealth of opportunity and information to ascertain how well your facility is functioning. A well-designed SCADA system will monitor and alert when a VFD should be ramped up or down, depending on the water table. There are many configurations and options to choose from, and our team of experts will work to customize a system that's right for you.



Power Distribution



Instrumentation  
& Control Systems



Transformers



PLC Programming



Back-up Power —  
Automatic & Manual



Radio and Telemetry



# Construction Management

## Overview

Making sure that your well moves from concept to design and completion requires a commitment to seeing the project through. Our team of experts has the ability to provide your project with proper construction management services, including the following:

- Submittal and RFI Review
- Bidding
- Bid Review
- Contract Review
- Document Control
- Photo and Video Documents
- Project Reports
- Inspection and Testing
- Change Order Management
- Schedule Management
- Punch List Control
- Claim Resolution

“I continue to enjoy working with Cannon staff and recommend them for anyone in need of construction management services.”

- Ditas Esperanza, PE, City of Paso Robles

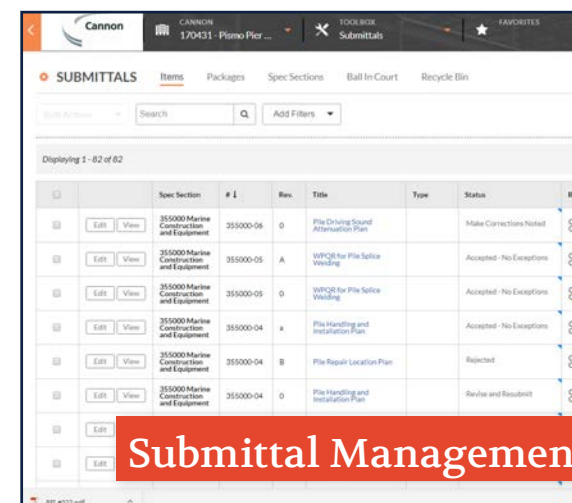
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Bid Support



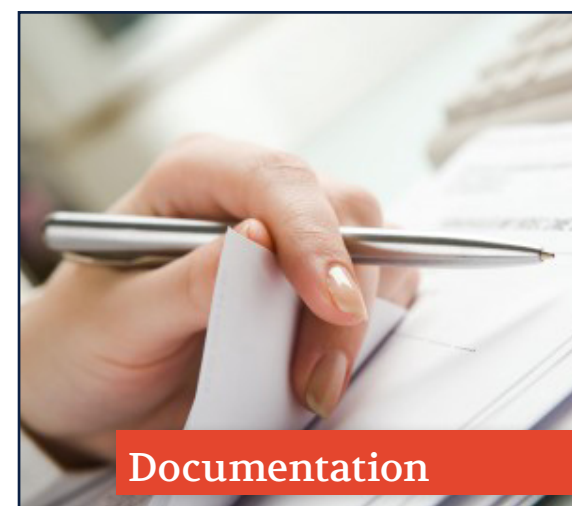
Observation, Testing, & Special Inspections



Submittal Management



Change Order Management



Documentation



Claims Resolution

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# Projects

## Overview

Cannon has completed multiple well projects throughout California continuously since 2008. The following projects summarize a selection of the projects we have worked on, from survey and design through equipping and construction management.



Equipping and Related  
Site Work for Well No. 21  
*Vernon, California*



Upland Well System Integration  
*Solvang, California*



Design and CM for Golf  
Course Well No. 7  
*Ventura, California*



Design and Equipping for  
Well No. 3  
*Lost Hills, California*



CVWD Design and CM for  
Well No. 16  
*La Crescenta, California*



Survey, Design, and  
Equipping for Well No. 4  
*Nipomo, California*



Design for Seven New  
Wells—Arsenic Mediation;  
Water Production Facility  
*Delano, California*



Survey, Design, Equipping,  
and CM for Tower Road Well  
*Paso Robles, California*





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