



October 16, 2025

Request for Proposals - Hydrogeologic Consulting Services for Siting, Design, Installation, and Testing of a Groundwater Production Well

HONORARY TRUSTEE:

Harlan J. Burchardi
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TRUSTEES:

DIVISION 1
Mark Moniot

DIVISION 2
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GENERAL MANAGER
Paeter E. Garcia

1. Project Overview

The hydrogeology consulting company ("Consultant") will provide professional services to support the development of a new groundwater production well for the Santa Ynez River Water Conservation District, Improvement District No.1 (ID-1). ID-1's goal is to have a new production well capable of producing near or above 1,000 gpm, ideally with hexavalent chromium (Cr6) concentrations consistently below the State Maximum Contaminant Level of 10 ug/L. Services will include hydrogeologic evaluation, well siting, design specifications, oversight of well drilling and construction, aquifer testing, water quality sampling, and documentation.

2. Objectives

- Review existing information developed by ID-1 and others for the most suitable location for a new production well based on nearby wells, hydrogeologic conditions, water demand, infrastructure, and regulatory constraints.
- Develop detailed well design specifications suitable for bidding to ensure optimal yield, efficiency, and water quality.
- Oversee drilling and installation to industry and regulatory standards.
- Conduct aquifer testing and water quality analysis to confirm well performance and suitability.
- Provide comprehensive reporting and recommendations for long-term use and management.

3. Scope of Services

Task 1. Preliminary Hydrogeologic Assessment

- Review existing data (e.g., previous assessments provided by ID-1, geologic maps, well logs, pumping records, data from the Eastern Management Area (EMA) Groundwater Sustainability Plan (GSP)).
- Review potential well sites identified by ID-1 based on aquifer characteristics, accessibility, infrastructure, land use, and regulatory setbacks.

- Conduct site reconnaissance and evaluate hydrogeologic setting.
- Provide siting recommendations based upon assessment.

Task 2. Well Design

- Develop preliminary and final well design documents and well design schematic including dimensions and materials for upper casing, sanitary seal, production casing, screen intervals, screen slot size, gravel pack, sounding tube, gravel feed/video access tube, and identify anticipated well depth. Include performance criteria for drilling fluids, water management, formation sampling, mud and waste management, well development, video surveys, plumbness and alignment, assumed test pump total head and yield, and sand pumping. Identify need for noise abatement and security fencing, if necessary.
- Ensure design complies with state and local regulations.
- Prepare technical specifications and bid documents suitable for bidding. Assume pre-selected drilling contractors will be invited to bid on the project.
- Recommend potential drilling contractors capable of constructing the well in accordance with the specifications.
- Provide an engineering estimate of the contractor costs for installing and testing the well.

Task 3. Drilling and Construction Oversight

- Provide field oversight during drilling, logging, sanitary seal installation, casing, screen installation, gravel pack placement, and well development.
- Collect lithologic samples and prepare a geologic log.
- Document drilling progress, construction methods, and material quantities.
- Ensure contractor compliance with design and specifications.

Task 4. Aquifer and Pumping Test

- Install pressure transducers in the production well and observation wells, as applicable.
- Collect pre-test water levels and measure water levels during drawdown and recovery.
- Monitor flow rate and sand production during testing.
- Analyze test results to determine transmissivity, storativity, specific capacity, and sustainable pumping rates.

Task 5. Water Quality Sampling and Analysis

- Collect groundwater samples from the production well at the conclusion of the aquifer test.
- Coordinate laboratory analysis for drinking water parameters (e.g., Title 22 / EPA standards) and other analytes identified by ID-1.
- Compare results with regulatory and client requirements.

Task 6. Reporting and Recommendations

- Prepare draft and final completion report summarizing siting, design, construction, test results, and water quality findings.
- Provide pumping capacity recommendations and operational guidelines.

- Include construction diagrams, logs, test data, and regulatory compliance documentation.

4. Deliverables

- Well siting memorandum with recommended location(s).
- Preliminary well design and specifications for ID-1 review.
- Final well design drawings and specifications.
- Contractor cost estimate.
- Daily field notes and lithologic logs.
- Pumping test data and analysis report.
- Final comprehensive well completion report.

5. Schedule

- The Consultant will coordinate with ID-1 to develop a detailed schedule.
Typical duration:
 - Siting and design: 2–4 weeks
 - Permitting, as applicable: 4–12 weeks (depending on agencies)
 - Drilling and installation: 4–8 weeks
 - Testing and reporting: 2–4 weeks

6. Budget

- The Consultant will provide a time and materials, not to exceed, budget by task for all consulting services. Identify personnel responsible for project management, design, and field observation. Include all expenses and identify subcontractors.

7. Responsibilities

- **Consultant:**
 - Provide professional hydrogeologic expertise and project oversight.
 - Work shall be performed or overseen by a licensed geologist/hydrogeologist.
 - Weekly check-ins with ID-1.
 - Ensure compliance with industry standards and regulations.
 - Maintain accurate documentation.
- **ID-1:**
 - Provide access to site and existing records.
 - Provide funding for drilling contractor and laboratory services.
 - Administer permit and regulatory requirements, as applicable.
 - Review and approve deliverables.

8. Exclusions (if applicable)

- Drilling contractor services, construction costs, and equipment are excluded.
- As applicable, permitting, regulatory, and environmental review are excluded.

9. Proposal Submittal Requirements

Project Team and Qualifications

Please identify key project team members including project manager, lead hydrogeologist, field geologists, and any subcontractors Consultant plans to use on the project. Include a description of their respective roles, years of related experience, licenses, and any special skills. Provide resumes that describe relevant experience with design and installation of water supply production wells and experience working in the Santa Ynez groundwater basin. Identify the office where each team member resides.

Project Scope of Work

Please describe any suggested changes or clarifications to the scope of work presented in this RFP.

References

Please provide three references for work completed in the last 5 years for the design and construction of water supply wells, including owner names, phone numbers, and email addresses.

Project Schedule (in addition to the schedule discussed in this RFP)

Please provide a suggested schedule for completing the tasks described in the RFP.

Proposal Submittal

Please submit a response to this RFP by: Friday November 7th, 2025

Submit proposal electronically (via email) to:

Dan Drugan, Water Resources Manager

Santa Ynez River Water Conservation District, ID-1

ddrugan@syrwd.org

ID-1 reserves the right to select a consultant based on reasonable criteria it deems necessary to best serve the needs of the District. ID-1 may request a phone interview.