



CITY OF BISHOP

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www.ca-bishop.us/CityofBishopPublicWorks.htm

Request For Proposals

Well 3 Test Well

Release: 16 October 2007

Close: 16 November 2007

Contact: David Grah, Director of Public Works

General: The City of Bishop requests proposals for implementation and analysis of a test well to evaluate a planned domestic water production well site and to provide information for detailed design of that production well.

Background:

The City of Bishop owns a 2 acre site intended for the construction of a new domestic water production well, to be called Well 3. The undeveloped site is annexed by the city but is not contiguous with the rest of the city. See attached location map.

Before designing and constructing a production well, the city needs to verify the suitability of the site for a production well and would like to gather and analyze information to be used for the design of the well. This Request for Proposals (RFP) is for this verification and information. This RFP covers the planning, implementation, and analysis of a test well. In addition, it is anticipated the test well would be used as a monitoring well after the production well is in place. Any conversion of the required of the test well for this purpose is included in this RFP.

Environmental analysis and documentation for the test well is being completed separately by a consultant to the City of Bishop.

Scope of Work:

All work shall be under the direction of properly qualified professionals and shall be suitable for the purposes intended as a part of this project. In general, the work consists of the following items.

1. Plan, implement, and analyze a test well to 1,000 feet below the ground surface.
2. Use information gathered during the drilling of the test well and other information to define the subsurface geologic, hydro-geologic, and water quality conditions at the Well 3 site.
3. Present information needed or useful in the detailed design of production well.
4. Complete work by converting test well to a monitoring well for use in conjunction with future production well.

Specifically, items 1, 3, and 4 are expected to include the following:

Test Well:

- Locate test well on well site to maximize effectiveness as a test well and for later use as a monitoring well.
- Obtain necessary permits, conform to regulations, and comply requirements of environmental documents, including avoidance of any sensitive areas.
- Implement well.
- Obtain data to describe geologic formations encountered.
- Perform sieve analyses of formation samples.
- Test productivity of water producing zones.
- Collect discrete-depth water samples.
- Analyze water samples for the constituents shown on the last page of this RFP (excluding attachments).
- Obtain data to estimate water production rates from water producing zones.
- Perform borehole geophysical logging including deviation survey, resistivity, gamma, and caliper.
- Contain well materials, including fluids, to work area shown on attached site map.

Present Information:

- Provide report of conditions found in test well. Include detailed and overview data to support the design of a production well at the site.

Complete Work:

- Convert test well to monitoring well such as by sealing portion of well, installing casing, and installing well head.
- Prepare required documentation of test well activity.
- Remove materials related to the work from the site except that cuttings and other unobjectionable material can remain on site if graded and shaped.

Proposal:

Proposals should address all the items of work described above. Proposals should describe proposed drilling methods, test well design, sample collection methods, data collection methods, data analysis methods, presentation format and content, rationale for these methods, and how work will be performed under the direction of properly qualified professionals and work will be suitable for the purposes intended.

A qualifying proposal must include:

1. Brief description of firm, contact person, address, telephone number, and e-mail address.
2. Description of approach to work and description of proposed products.
3. Resumes of staff involved.
4. Three references.
5. Proposed work schedule.
6. Estimate of cost.

Proposals must be received no later than 1500 (3 pm) on the close date of this Request for Proposals. Send proposals to:

David Grah
Director of Public Works
City of Bishop
377 West Line Street
Bishop, California 93514
publicworks@ca-bishop.us

Proposals shall be submitted in a sealed envelope which is clearly marked with the title of the Request for Proposal. Proposals shall be signed by an authorized person from the consulting firm.

Selection Process: The consultant will be selected based on the experience and ability of the firm and staff to accomplish the scope of work, based on the proposal and considering the effective use of City funds. The City is particularly interested in receiving proposals from female, minority, and locally-owned small businesses. It is anticipated that each firm will be rated using the following criteria and rating schedule.

Evaluation Criteria	Possible Rating Points
Technical expertise and ability to dedicate qualified staff to effort.	20
Quality of proposed products.	20
Experience successfully completing similar projects.	20
Able to maintain excellent client service over life of project.	20
Able to deliver product cost effectively and in a timely way.	20
Total	100

The City will attempt to negotiate a contract with the highest rated firm. The City reserves the right to reject any or all proposals, to waive minor irregularities in proposals, or to negotiate minor deviations with the successful firm.

Water Sample Tests

Water sample testing shall be performed by an independent lab approved for drinking water analysis by the State of California and should include:

General Mineral	Inorganic Chemical	General Physical
Bicarbonate	Aluminum	Color
Carbonate	Arsenic, total	Odor
Hydroxide	Arsenic, dissolved	Temperature
Total alkalinity	Barium	Turbidity
Calcium	Cadmium	
Chloride	Chromium	
Conductivity	Lead	
Copper	Mercury	
pH	Nitrate	
MBAS	Nitrite	
Iron, total	Selenium	
Iron, dissolved	Silver	
Potassium	Fluoride	
Magnesium	Antimony	
Manganese	Beryllium	
Sodium	Nickel	
Sulfate	Thallium	
Specific Conductance	Cyanide	
Total Dissolved Solids		
Total Hardness		
Zinc		

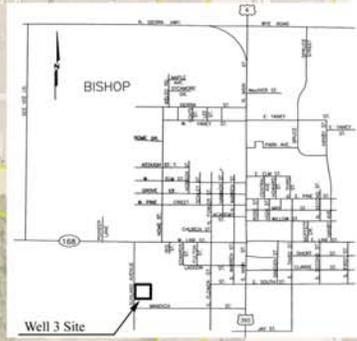
City Hall

City of Bishop Well 3 Test Well Project Work Area

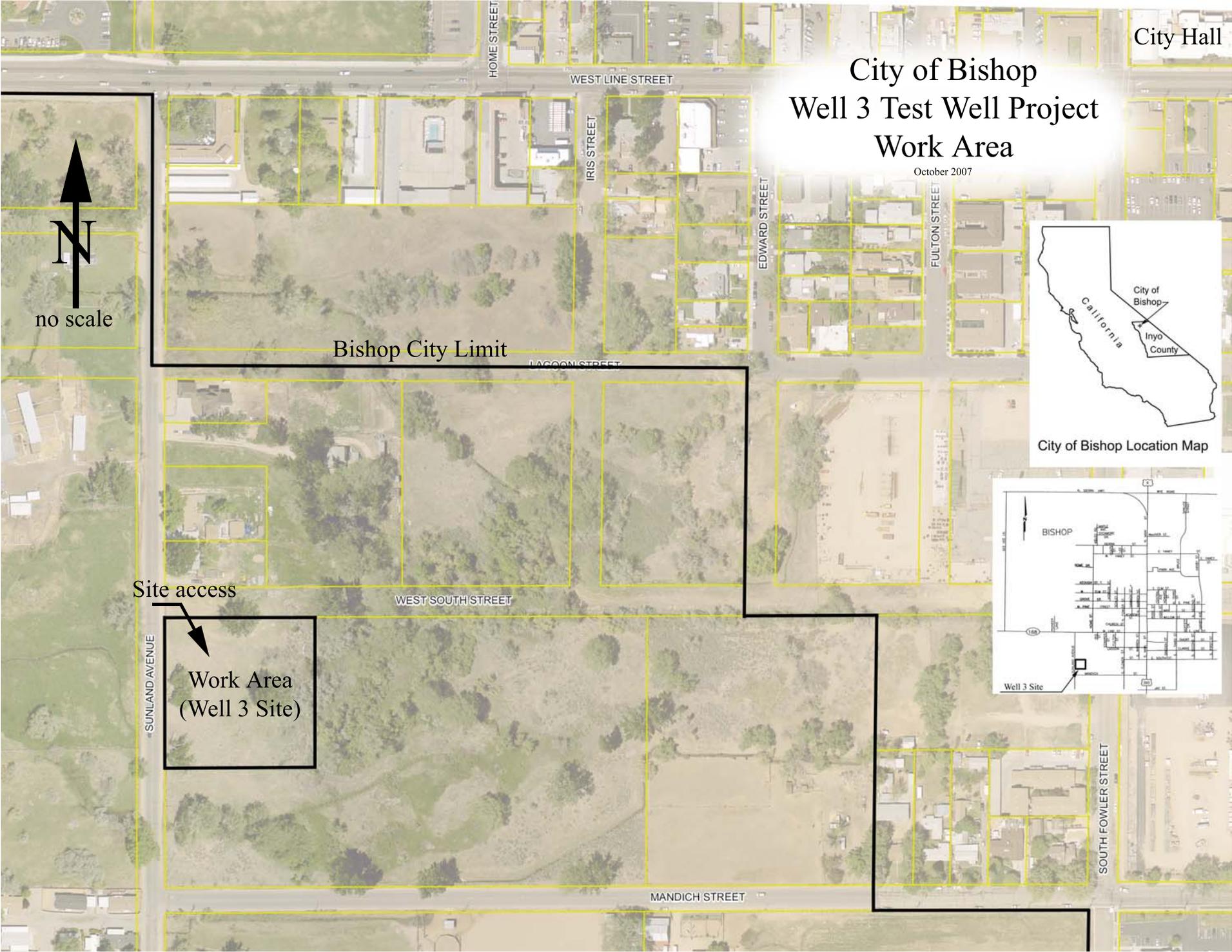
October 2007



City of Bishop Location Map



Well 3 Site



no scale

Bishop City Limit

Site access

Work Area
(Well 3 Site)

SUNLAND AVENUE

HOME STREET

WEST LINE STREET

IRIS STREET

EDWARD STREET

FULTON STREET

LAGOON STREET

WEST SOUTH STREET

MANDICH STREET

SOUTH FOWLER STREET