

CITY OF YUBA CITY
STAFF REPORT

Date: April 19, 2022
To: Honorable Mayor & Members of the City Council
From: Public Works Department
Presentation By: Ben Moody, Public Works & Development Services Director

Summary

Subject: Second Groundwater Well (18-18) – Plans & Specifications
Recommendation: Adopt a Resolution approving the plans and specifications for construction of the below-ground facilities of the Second Groundwater Well Project at the Water Treatment Plant and authorizing advertisement for bids on the project
Fiscal Impact: Engineer's Estimate \$945,000 – CIP Account No. 971191-65501 (Second Groundwater Well)

Purpose:

To provide additional water resources by securing access to groundwater at the Water Treatment Plant.

Council's Strategic Goals: The projects address the City Council's Strategic Goal of Improving Infrastructure.

Background:

The United States Bureau of Reclamation (USBR) has awarded the City a \$750,000 grant for the construction of a new potable groundwater well. A draft California Environmental Quality Act (CEQA) document and a USBR-approved National Environmental Protection Act (NEPA) document have both been completed.

On September 7, 2021, Council awarded a professional services agreement to West Yost & Associates of Davis, CA (West Yost) to develop plans and specifications for the drilling the new well and constructing the above-ground facilities, pump, and other related equipment. Due to the current drought conditions throughout the State, the design of this project has been fast-tracked in an attempt to bring the new well online as soon as possible.

In order to correctly design the above-ground facilities for the well, construction is planned to be broken down into two phases. The first phase is construction of the below-ground facilities, which involves drilling approximately 400 feet below the surface. At predetermined depths, samples will be taken where preliminary data has suggested there is a suitable groundwater aquifer. The data from the samples will help determine the yield of the well so equipment can be appropriately designed based on that yield. The anticipated yield from previous studies is approximately 2 million gallons per day.

The second phase will construct the above-ground facilities for the well including a three-sided structure, electrical cabinets, pump related equipment and plumbing. Recently, West Yost completed a 50% draft of plans and specifications for the above-ground facilities.

Analysis:

West Yost has prepared the plans, specifications, and estimate for construction of Phase I, the below-ground facilities, for the Second Groundwater Well project. With Council approval of the plans and specifications and authorization to advertise for bids, staff proposes the following schedule:

Advertise for Bid:	May 2022
Award Contract:	June 7, 2022
Start of Construction:	August - September 2022
Completion:	November 2022

West Yost has been in contact with well drillers in the area and are incorporating their availability into the project schedule. The tentative schedule for design and construction of the above-ground facilities is as follows:

Complete Design:	October 2022
Advertise for Bid:	November 2022
Award Construction Contract:	December 20, 2022
Start of Construction:	January 2023
Completion:	Spring 2023

The plans and specifications for the project are on file in the Public Works Department at City Hall and at <http://www.yubacity.net/publicworksplans> for review.

Fiscal Impact:

The total estimated Phase I project cost of the well drilling is \$945,000. This includes a 10% construction contingency and 12% construction management and inspection fees.

The project will be funded through CIP Account No. 971191-65501 (Second Groundwater Well). Currently, this account has a balance of \$4,157,500 including grant funds. Staff plans to utilize the \$750,000 in grant funds awarded by USBR for the project and the remaining costs will be covered by local funds from CIP Account No. 971191-65501. Detailed fiscal impacts will be presented to Council at the time of award based on actual bid amounts.

Environmental:

A mitigated negative declaration (MND) was prepared for the Second Groundwater Well project which assessed potential environmental impacts of the entire project as required by the California Environmental Quality Act (CEQA). Staff is currently working on submitting the MND to the State Clearing House in April and beginning the 30-day public comment period by the end of April. Staff plans to present the mitigated negative declaration to Council for adoption at the time of award of a construction contract.

Alternatives:

Instruct staff to direct West Yost & Associates to modify the plans and specifications. The project's schedule will be delayed resulting in less water resources being available to the City as the drought continues in California.

Recommendation:

Adopt a Resolution approving the plans and specifications for construction of the below-ground facilities of the Second Groundwater Well Project at the Water Treatment Plant and authorizing advertisement for bids on the project.

Attachments:

1. Resolution - Second Groundwater Well (18-18) – Plans & Specifications

Prepared By:

William Jow
Assistant Civil Engineer

Submitted By:

Diana Langley
City Manager

ATTACHMENT 1

RESOLUTION NO. _____

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF YUBA CITY APPROVING
THE PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF THE BELOW-
GROUND FACILITIES OF THE SECOND GROUNDWATER WELL PROJECT AT THE
WATER TREATMENT PLANT AND AUTHORIZING ADVERTISEMENT FOR BIDS ON
THE PROJECT**

WHEREAS, it is in the best interest for the City to construct a Second Groundwater Well in order to ensure the City has accessible water resources during times when the City's surface water rights are curtailed; and

WHEREAS, the United States Bureau of Reclamation has awarded \$750,000 through the Drought Resiliency Grant Program to construct a Second Groundwater Well; and

WHEREAS, the City has entered into a professional services agreement with West Yost and Associates of Davis, CA to develop plans and specifications for drilling the new well and constructing the above-ground facilities, pump, and other related equipment and West Yost and Associates have finished the plans and specifications for the below-ground facilities of the second groundwater well; and

WHEREAS, the Public Works Department intends to solicit bids for the drilling of a Second Groundwater Well at the Water Treatment Plant; and

WHEREAS, it has been determined by the City Council that such infrastructure is in the public interest,

NOW, THEREFORE, be it resolved and ordered by the City Council of Yuba City as follows:

1. The City Council finds that all of the facts set forth in the recitals above are true and correct and incorporated herein.
2. The plans and specifications for the Project are approved.
3. The Public Works Department is hereby authorized and directed to advertise for bids for the Project.

The foregoing Resolution was duly and regularly introduced, passed, and adopted by the City Council of the City of Yuba City at a regular meeting thereof held on the 19th day of April, 2022.

AYES:

NOES:

ABSENT:

ATTEST:

Dave Shaw, Mayor

Ciara Wakefield, Deputy City Clerk

APPROVED AS TO FORM
COUNSEL FOR YUBA CITY

Shannon L. Chaffin, City Attorney
Aleshire & Wynder, LLP