

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES
FROM: CASEY CLABORN, ASSOCIATE ENGINEER
WATER DEPARTMENT – ASSET MANAGEMENT

SUBJECT: PROJECT WORK ORDER APPROVAL – PROFESSIONAL
ENGINEERING DESIGN SERVICES FOR CARLEY AND PETER
SPRINGS WELL REHABILITATION

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Contract Review Subcommittee and the Water Department that the Board of Public Utilities, by motion, approve a Project Work Order under the Master Professional Services Agreement with West Yost & Associates, of Santa Rosa, CA for Professional Engineering Design Services for Carley and Peter Springs Well Rehabilitation, in the amount not to exceed \$905,441.

EXECUTIVE SUMMARY

The Carley Well and Peter Springs Well serve as emergency water sources for the City's water supply. Both wells and associated ancillary infrastructure are in various degrees of disrepair or suboptimal operation requiring rehabilitation or replacement. The objective of this project is to improve the Carley and Peter Springs well system to meet the City's long-term objectives for water resources.

BACKGROUND

These wells were constructed in 1949 (Carley) and 1923 (Peter Springs) and the wells are nearing the end of their useful life. An initial evaluation of both wells was conducted, which included background research, camera inspections, and pump testing. The evaluation produced recommendations for capital improvements which will be designed and supervised under this Project Work Order. These recommended capital improvements are as follows:

Develop a new Carley Well with a minimum production of 700 gpm with all new ancillary infrastructure to support the City's emergency groundwater program. The well and well

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house shall be designed to mitigate future differential settlement and/or ground subsidence.

Redevelop the existing Peter Springs Well and upgrade existing infrastructure to supplement the City's emergency groundwater program. This well is currently disconnected from the potable water system because of differential ground movement.

Remove and replace the interconnecting infrastructure between the Carley and Peter Springs well sites to maintain connectivity and mitigate future ground subsidence and differential settlement.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

Not applicable.

ANALYSIS

Staff solicited proposals through PlanetBids on July 12, 2021, and proposals were received on August 13, 2021. A total of two (2) proposals were received and a review committee made up of City staff evaluated both proposals. The review committee included one Interim Deputy Director, two Supervising Engineers, a Senior Water Resources Planner, a Utility System Superintendent, and two Associate Engineers.

West Yost & Associates was selected as the most qualified firm based on their focused design approach, their familiarity with the site and past analysis, and their geotechnical subconsultant's expertise. West Yost also distinguished themselves by providing a detailed map of project site challenges and a project schedule showing potential station downtime for each construction phase.

Phase 1 of design is anticipated to begin in January 2022. This Project Work Order will cover the complete design of improvements to both wells including water quality considerations. It also includes the construction oversight required for both new well installation and the construction of a new well building and other supporting infrastructure for the well site.

Construction is anticipated to begin in July 2022 and be complete in December 2023 and will occur in two phases, with a new well installation followed by well facility replacement.

FISCAL IMPACT

This project is funded by the Water CIP fund. This design effort is fully funded, and the upcoming construction work will be funded with planned allocations in the 5-year Capital Improvement Program.

ENVIRONMENTAL IMPACT

Pursuant to the California Environmental Quality Act (CEQA), City Council adopted a Mitigated Negative Declaration (MND) on September 19, 2013, for the Ground Water Master Plan, which included well drilling and development as a component of the project. Section 15162 of the CEQA Guidelines identifies the threshold for requiring an update or addendum to an adopted CEQA document. There are no substantial changes in the project, no substantial changes in circumstances, and no new information of substantial importance. The scope of the originally adopted MND was such that there are no new or more severe adverse impacts associated with the construction aspects of the proposal currently under consideration and no additional environmental review is necessary.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not applicable

ATTACHMENTS

- Attachment 1 - Project Work Order and Agreement

CONTACT

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