

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES
FROM: CHRIS BALANESI, ASSOCIATE CIVIL ENGINEER
TRANSPORTATION AND PUBLIC WORKS
SUBJECT: APPROVAL OF AMENDMENT NO. 2 TO PROJECT WORK
ORDER WITH GREEN VALLEY CONSULTING ENGINEERS –
EMERGENCY WELL PUMP STATION – A PLACE TO PLAY –
CONSTRUCTION MANAGEMENT AND INSPECTION

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Transportation and Public Works Department and Santa Rosa Water that the Board of Public Utilities, by motion, approve Amendment No. 2 to Project Work Order No. A010146-2016-20 with Green Valley Consulting Engineers of Santa Rosa, California, for the Emergency Well Pump Station – A Place to Play project for Construction Management and Inspection services, increasing the contract amount by \$146,773 for a total value of \$645,147.

EXECUTIVE SUMMARY

This motion will approve an amendment to Project Work Order (PWO) No. A010146-2016-20 with Green Valley Consulting Engineers, of Santa Rosa, California, to provide construction management and inspection services for the Emergency Well Pump Station – A Place to Play project.

BACKGROUND

The A Place to Play well project includes the conversion of an existing test well to an emergency ground water well and pump station. This conversion includes site grading, demolition of existing wellhead, well rehabilitation and improvements, construction of a pump facility, modification of an existing sewer manhole, storm drain improvements, and electrical service installation.

In 2006, a test well was installed at the site to assess the viability of a future emergency water supply. Pumping tests revealed that the well could sustainably produce up to approximately 500 gallons per minute (gpm).

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In 2016, a full inspection of the physical condition and pumping performance of the test well was completed which validated regulated constituents were below primary MCLs¹. The pumping test indicated an optimal pumping rate to be 475 gpm. Data obtained from this effort was the basis of design for the project, in converting the well from a testing facility to an operating emergency municipal water supply.

In June 2020, the City issued a notice to proceed for construction. However, in November 2020 the project was suspended during construction due to the discovery of arsenic in the groundwater. In response, the City retained the professional engineering services of Black & Veatch (BV) to assess the various arsenic removal alternatives and associated costs. The alternative evaluation concluded with the recommendation of reducing arsenic levels by increasing iron in the groundwater to facilitate the formation of iron arsenate which is then removed via cartridge filters. Using the results of BV's evaluation, the project engineer, West Yost Associates (WY), revised the project design to incorporate the recommended arsenic removal approach.

In October 2021, the Board approved, by motion, a Request for Change-Of-Scope Change Order, to provide additional funds and allow the contractor, Team Ghilotti, Inc. to implement WY's design revisions as required to reduce arsenic levels in the groundwater to below the MCL.

In February 2022, construction resumed.

By October 2022, the following project components were complete:

- well site clearing, grubbing, and re-grading,
- the well-building footings,
- underground water and storm drain utilities,
- water piping pressure testing,
- the concrete slab and masonry building structure,
- building roof, mechanical & electrical, drywall, and paint,
- the parking lot, and
- fencing.

In June 2022, the TESCO motor control center (MCC) was scheduled to be delivered to the project site. An additional MCC was required as part of WY's design revision. As of March 2023, delivery of the MCC was still delayed. Due to significant delays with delivery

¹ Drinking water standards are called maximum contaminant levels (MCLs). MCLs are found in [Title 22 of the California Code of Regulations](#). Primary MCLs address health concerns; esthetics such as taste and odor are addressed by secondary MCLs.

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of the MCC, the contractor requested another contract suspension through the winter for all other project elements except for the MCC procurement.

In Spring 2023, MCC construction commenced at the TESCO facility. In June 2023, the factory test of the MCC was conducted at the TESCO facility with City representatives. The test yielded several issues, leading to corrections, requests for information, and MCC updates. Due to these circumstances, the project was further delayed.

In March 2024, the MCC was finally delivered to the site and the temporary contract suspension for all other project elements was lifted.

Presently, final MCC integration is ongoing, main power is connected and the building is energized, and the well-head and new water treatment equipment are installed. Project completion is anticipated in Summer/Fall 2024.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

On May 7, 2020, the Board approved, by motion, award of Construction Contract No. C01965 in the amount of \$1,807,141.77 to the lowest responsive bidder, Team Ghilotti, Inc., (TGI) of Petaluma, California, for Emergency Well Pump Station – A Place to Play, approved a 15% contingency, and authorized a total contract amount of \$2,078,213.04.

On October 21, 2021, the Board approved, by motion, a Request for Change-Of-Scope Change Order for Emergency Well Pump Station – A Place to Play to increase the contract scope by \$870,369.00 with a 10% contingency, and authorized a total contract amount, including contingency, of \$3,035,618.94.

ANALYSIS

The additional scope of work necessitating Amendment 2 includes additional construction management and inspection service efforts to account for the various project circumstances in 2022 and 2023. The attached proposal describes said scope of work and request for additional funds, as required through the estimated completion date.

Project Work Orders (PWOs) less than or equal to \$500,000 may be executed by the City Manager. PWOs that exceed \$500,000 require the Board of Public Utilities (Board) approval.

Prior PWO No. A010146-2016-20 and No. A010146-2016-20A with Green Valley Consulting Engineers were executed by the Assistant City Manager on October 7, 2021, and January 31, 2022 respectively, for construction management and inspection services.

FISCAL IMPACT

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Approval of this PWO has no additional impact on the budget. Funds for this project were previously appropriated in the Capital Improvement Program Budget.

ENVIRONMENTAL IMPACT

The project has been reviewed in compliance with the California Environmental Quality Act (CEQA) and qualifies for a Class 1 Exemption under CEQA Guidelines Section 15303. The project involves construction and location of limited numbers of new, small facilities or structures and minor grading, paving and underground work that will not have a significant effect on the environment,

With regard to the development and use of the well as a long-term emergency supply, the City Council adopted a Mitigated Negative Declaration (MND) on September 19, 2013, for the Ground Water Master Plan, which included emergency groundwater supply development as a component of the project. There are no substantial changes in the project contemplated in the MND, no substantial changes in circumstances, and no new information of substantial importance since it was adopted.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not applicable.

ATTACHMENTS

- Attachment 1 – Project Work Order Amendment No. A010146-2016-20B

PRESENTER

Chris Balanesi, Associate Civil Engineer