



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, ZONE 7

100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551 • PHONE (925) 454-5000 • FAX (925) 454-5727

ORIGINATING SECTION: FACILITIES ENGINEERING
CONTACT: BRANDON WOODS/RHETT ALZONA

AGENDA DATE: May 15, 2019

ITEM NO. 8c

SUBJECT: Award of Construction Contract for the Chain of Lakes Well No. 1 Facility Stabilization Project

SUMMARY:

- The Chain of Lakes Well No. 1 (COL 1) site is experiencing ongoing, noticeable ground settlement and lateral movement towards Cope Lake.
- In addition to housing the COL 1 well and electrical systems, the building houses the chemical systems and manifold piping to feed the combined water production from all three COL wells (COL 1, COL 2 and COL 5) to the Zone 7 transmission system.
- Protecting the building and other assets from ongoing settlement and lateral movement will help maintain COL wells reliability and help reduce untimely and expensive future repair costs.
- The current project scope includes installation of micropiles to support the building for protection against settlement, installation of large diameter (30”) cast-in-drilled-hole (CIDH) piles tied to the building foundation by horizontal tie-beams to support against lateral movement, and injecting grout at selected locations underneath the building floor slab to fill in any potential voids.
- In May 2018, the Board authorized a design contract with Cal Engineering and Geology, Inc. (CE&G) for the COL 1 Facility Stabilization Project.
- The project was advertised in accordance with California Public Contract Code and two bids were received.
- Staff has determined that the lowest responsive and responsible bidder is Conco West, Inc. with a bid of \$1,574,450.
- The Engineer’s estimate for the project was \$2,050,000.
- Staff recommends award of the construction contract to Conco West, Inc. for \$1,574,450 and authorizing the General Manager to issue change orders as and when needed in an amount not-to-exceed \$157,445 (10% of construction contract amount).

FUNDING:

Funding for the project is available in Fund 120 – Renewal and Replacement/System-Wide Improvements.

RECOMMENDED ACTION:

Adopt the attached resolution

BACKGROUND:

Chain of Lakes Well No. 1 (COL 1) was constructed during 2008 to 2010 and became operational in 2010. Since 2013, the COL 1 site has been experiencing noticeable ground settlement and movement south towards Cope Lake. In 2014, Zone 7 began to conduct periodic survey monitoring and installed inclinometers to measure subsurface horizontal displacements along various depths for soil layer stability assessments. As monitoring continued and Cal Engineering and Geology, Inc. (CE&G) further investigated the site movement, it was concluded that settlement of up to 13 inches could still occur as well as lateral ground movement. Since the portion of the yard south of the building is anticipated to experience more settlement, a previous project in 2017 relocated the building utility water supply and fire protection system piping to the north side of the building.

DISCUSSION:

In May 2018 and September 2018, the Zone 7 Board approved a contract with Cal Engineering and Geology, Inc. (CE&G) for development of design alternatives and detailed design of the recommended alternatives, respectively. The recommended design alternatives focused on protecting the COL 1 building from settlement and lateral movement. The scope of the project consists of 1) installing micro piles inside and around the perimeter of the well building and tying them into the building footings for underpinning to support the foundation against future settlement, 2) installing cast-in-drilled-hole (CIDH) piles, 30-inches in diameter, and connecting these CIDH piles to the building foundation with a horizontal tie beam for support against future lateral movement, 3) injecting grout at selected locations underneath the building floor slab to fill in any potential voids and 4) other work including, but not limited to, associated demolition and disposal work, removal and replacement of equipment conflicting with pile locations, installation of inclinometers, concrete and aggregate base work.

Staff has determined that the project is categorically exempt under CEQA and the Notice of Exemption (NOE) was filed with the Alameda County Recorder’s Office.

In early April, Zone 7 advertised the project in accordance with the Public Contract Code. In addition, the project was advertised on Zone 7’s website and Builders Exchanges. On April 30, 2019, the following bids were received:

<u>Bidder</u>	<u>Amount</u>
Conco West, Inc., Manteca, CA	\$1,574,450
Manito Construction, Pleasanton, CA	\$1,964,490

The Engineer’s Estimate for this project was \$2,050,000. Staff has reviewed the bid and has determined to be responsive and responsible.

Staff recommends the award of the construction contract to Conco West, Inc. as the lowest responsive and responsible bidder in the amount of \$1,574,450. Additionally, staff recommends that the Zone 7 Board authorize the General Manager to negotiate and issue change orders as and when needed in an amount not-to-exceed \$157,445 (10% contingency).

SCHEDULE:

Construction is expected to commence in June 2019 and substantial completion of the project is anticipated by mid-December 2019.

ATTACHMENT:

Resolution

ZONE 7
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
BOARD OF DIRECTORS

RESOLUTION NO.

INTRODUCED BY
SECONDED BY

**Award of Construction Contract for the Chain of Lakes Well No. 1 (COL 1)
Facility Stabilization Project**

WHEREAS, Zone 7 of the Alameda County Flood Control and Water Conservation District has a project for the construction of the COL 1 Facility Stabilization Project; and

WHEREAS, a Notice of Exemption per the California Environmental Quality Act (CEQA) guidelines was prepared and filed for the project; and

WHEREAS, the Project plans, specifications, appendices, and addenda were developed and advertised for bids in accordance with the California Public Contract Code; and

WHEREAS, two bids were received and publicly read by the Zone 7 General Manager's authorized representatives at the Zone 7 Administration Office, 100 North Canyons Parkway, Livermore, California on April 30, 2019, at 2:00 p.m.; and

WHEREAS, the lowest responsive and responsible bid received for this project is the bid by Conco West, Inc., with a bid of \$1,574,450.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District does hereby approve the plans, specifications, appendices, and addenda for the COL 1 Facility Stabilization Project; and

BE IT FURTHER RESOLVED that the bid of the lowest responsive and responsible bidder, Conco West, Inc., be accepted, and that the contract for the work be awarded to Conco West, Inc., for \$1,574,450; and

BE IT FURTHER RESOLVED that the General Manager be authorized to negotiate and execute the contract with Conco West, Inc., in an amount not-to-exceed \$1,574,450; and

BE IT FURTHER RESOLVED that the General Manager be authorized to negotiate and issue change orders as and when needed in an amount not-to-exceed \$157,445.

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSENT:

ABSTAIN:

I certify that the foregoing is a correct copy of a Resolution adopted by the Board of Directors of Zone 7 of the Alameda County Flood Control and Water Conservation District on May 15, 2019.

By: _____
President, Board of Directors