



Agenda Date: 3/2/2022
Agenda Placement: 7C

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors
FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer
REPORT BY: Karl Ono, Associate Engineer - (707) 258-6013
SUBJECT: Accept Completion of the 2021 Treatment Plant Improvements Project (CIP 20708)

RECOMMENDATION

Adopt resolution accepting completion and authorize the General Manager to file the Notice of Completion at the Napa County Office of the Recorder for the 2021 Treatment Plant Improvements Project (CIP 20708).

EXECUTIVE SUMMARY

On March 15, 2021 the District entered into a contract with JMB Construction, Inc. to furnish all labor, materials, equipment, and services required for the construction of the 2021 Treatment Plant Improvements Project (CIP 20708).

The project replaced three polymer tanks and associated structural, mechanical, and electrical components that serve a critical role in the recycled water treatment process and had reached the end of their useful lives. Additionally, the project replaced three 36-inch diameter butterfly valves located on the treated effluent pipelines.

On February 24, 2022, the General Manager submitted the Certificate of Completion to the Board Secretary certifying that the project was completed to his satisfaction. The total approved contract amount for this project is \$620,253.37. Currently 5% or \$31,012.67 is being held as retention on this project. The full retention amount will be released to the contractor 35-days after filing of the Notice of Completion with the Recorder and after NapaSan receives confirmation that all vendors and subcontractors have been paid in full.

The original contract was awarded for \$658,900. Total change orders for the project decreased the contract amount by \$38,646.63 which is a 5.9% reduction from the original contract amount. There were two change orders that accounted for owner-initiated changes that added scope to certain portions of the project and subtracted scope from others. The engineer's estimate of probable construction cost was \$1,200,000.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

None.

BACKGROUND AND DISCUSSION

The coagulant polymer system was installed as part of the 1994 Soscol Water Recycling Facility Phase I Upgrade Project. The system consists of three storage tanks, which were relocated from a temporary facility during the 1994 project. Prior to this project, one polymer tank had failed and the other two tanks were approaching the end of their useful life. This project replaced the three existing tanks, installed a new concrete pad for anchorage of new seismic tank support stands, installed new ultrasonic level indicating transmitters, and modified piping to accommodate the new tank configuration.

The 36-inch diversion valves were also installed as part of the 1994 Soscol Water Recycling Facility Phase I Upgrade Project. Operations staff had observed that the valves were beginning to leak and were in need of repair or replacement. As part of the design effort, Carollo conducted an investigation as to whether the existing valves could be refurbished rather than replaced. It was determined that the replacing the existing valves was more cost effective and offered benefits to the project's schedule that could not be achieved if the valves were to be refurbished.

SUPPORTING DOCUMENTS

- A . Certificate of Completion - CIP 20708
- B . Completion Resolution - CIP 20708

Napa Sanitation District: Approve

Reviewed By: Timothy Healy