



Agenda Date: 2/20/2019

Agenda Placement: 8B

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 2018 Collection System Rehabilitation Project (CIP 18705)

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 2018 Collection System Rehabilitation Project (CIP 18705).

EXECUTIVE SUMMARY

On March 6, 2018, NapaSan entered into a contract with Southwest Pipeline and Trenchless Corporation to furnish all labor, materials, equipment, and services required for the construction of the 2018 Collection System Rehabilitation Project (CIP 18705). On February 13, 2019, 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 \$4,503,329.33. Currently 5% or \$225,166.47 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 \$4,719,546. Total change orders for the project decreased the contract amount by \$216,216.67 which is 4.6% of the original contract amount. There were two change orders that accounted for unexpected site conditions and modifications to the project scope. The engineer's estimate of probable construction cost was \$4,800,000.

FISCAL IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

None.

BACKGROUND AND DISCUSSION

The 2007 Collection System Master Plan (CSMP) identified \$120 million in capacity expansion projects as a result of the high amount of Infiltration and Inflow (I&I) that enters the collection system. The CSMP recommended an I&I Reduction Program to remove I&I from the system as an alternative to conducting capacity expansion projects.

The I&I Reduction Program findings indicate that certain areas in the collection system contribute much higher I&I than other areas. The areas defined within the scope of this project are sources of significant I&I and are in need of rehabilitation. The majority of the areas defined in this scope are upstream of the Lake Park Basin, which has a history of sanitary sewer overflows associated with storm events.

This project completed the following scope of work:

1. Rehabilitated 36,540 linear feet (6.9 miles) of sewer main (2.5% of the total system);
2. Replaced or rehabilitated 51 manhole and flush hole structures;
3. Rehabilitated or replaced 648 public laterals; and
4. Replaced or installed 216 cleanouts.

Staff performed construction management and inspection of this project. Post-construction flow monitoring is currently being performed as part of the I&I Reduction Program to evaluate the effectiveness of this project and other similar projects.

SUPPORTING DOCUMENTS

- A . Certificate of Completion - CIP 18705
- B . Completion Resolution - CIP 18705
- C . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy