



Agenda Date: 1/10/2018

Agenda Placement: 7F

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors
FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer
REPORT BY: Robin D. Gamble, Asset Manager - (707) 258-6031
SUBJECT: Accept Completion of the Manhole Rehabilitation Basin H Project (CIP 18704)

RECOMMENDATION

Adopt Resolution accepting completion and authorizing General Manager to file the Notice of Completion at the Office of the Recorder, Napa County, California for the Manhole Rehabilitation Basin H Project (CIP 18704).

EXECUTIVE SUMMARY

On August 31, 2017 NapaSan entered into a contract with H&R Plumbing and Drain Cleaning, Inc. to furnish all labor, materials, equipment, and services to construct the Manhole Rehabilitation Basin H Project (CIP 18704). On December 29, 2017 the General Manager submitted his Certificate of Completion to the Board Secretary certifying that the project was completed to his satisfaction. NapaSan is currently holding \$8,582 (5%) 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 the NapaSan receives confirmation that all vendors and subcontractors have been paid in full.

The original contract amount was \$158,684. A change order for the project resulted in an increase of \$12,956 which is 8.2% of the original contract amount. The change order added coating to manholes in the project area that were found to be leaking during construction. The additional work is expected to further reduce groundwater infiltration into manholes within the project area. The final contract amount is \$171,640.

FISCAL IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

None.

BACKGROUND AND DISCUSSION

The scope of this project resulted from the ongoing infiltration and inflow (I/I) investigations identifying manholes as a source of infiltration within the collection system. Basin H displayed a high amount of I/I during wet weather events in January/February 2017. This project rehabilitated manholes in Basin H of the collection system that had been lined in the 1970's using Nipak liners which showed to have infiltration from the annular space between the liner and host pipe during flow monitoring and nighttime reconnaissance. A similar project was previously completed that rehabilitated manholes in the State Street area that also had Nipak pipe connections with successful reduction of infiltration. With the completion of this project all of the annular space in manholes having pipes with Nipak liners have been rehabilitated.

Flow monitoring will be conducted this winter which will measure the reduction of I/I achieved by this project.

NapaSan staff performed construction management and inspection for the project.

SUPPORTING DOCUMENTS

- A . Certificate of Completion
- B . Completion Resolution

Napa Sanitation District: Approve

Reviewed By: Timothy Healy