



Agenda Date: 12/15/2021  
Agenda Placement: 7D

## Napa Sanitation District Board Agenda Letter

---

**TO:** Honorable Board of Directors  
**FROM:** Timothy Healy - General Manager  
NS-Technical Services/Engineer  
**REPORT BY:** Andrew Damron, Technical Services Director - 707-258-6000  
**SUBJECT:** Award Construction Contract for the 2022 Manhole Rehabilitation Project (CIP 20702)

---

### **RECOMMENDATION**

Award construction contract for the 2022 Manhole Rehabilitation Project (CIP 20702) to H&R Plumbing and Drain Cleaning, Inc. for the bid amount of \$95,970 and authorize the General Manager to execute the Agreement with the Contractor and issue the Notice to Proceed, when appropriate.

### **EXECUTIVE SUMMARY**

On December 2, 2021 NapaSan received four bids the 2022 Manhole Rehabilitation Project (CIP 20702). The engineer's estimate of probable construction cost for the project was \$110,000. H&R Plumbing and Drain Cleaning, Inc. is the lowest qualified bidder in the amount of \$95,970, which is 12.8% less than the engineer's estimate.

The second bid was submitted by Michels Corporation in the amount of \$124,712, which is approximately 30% higher than the low bid. The bid results are attached.

Notice to Proceed is expected to be issued in January 2022 and construction is expected to start in February 2022. The Contractor has 53 calendar days to substantially complete the project from Notice to Proceed.

### **FISCAL & STRATEGIC PLAN IMPACT**

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes

Where is it budgeted?	The project is budgeted in the FY 2021/22 capital budget. There are sufficient funds in the project budget.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The project is necessary to reduce groundwater infiltration.
Is the general fund affected?	Yes
Future fiscal impact:	None.
Consequences if not approved:	Infiltration will continue to enter the collection system from cracks and joints in the manholes. The I&I in the project areas will stay at current levels in the collection system and increase over time as the manholes continue to deteriorate.
Additional Information:	None.

### **ENVIRONMENTAL IMPACT**

On November 17, 2021 the Board concurred with Staff's determination that the project is Categorically Exempt under California Environmental Quality Act (CEQA) Guidelines Article 19, Section 15302 (c). The Notice of Exemption was filed with Napa County Recorder on November 24, 2021.

### **BACKGROUND AND DISCUSSION**

The purpose of this project is to rehabilitate approximately 74 manholes to reduce groundwater infiltration upstream of known sanitary sewer overflow locations. Experience with past projects has shown that manhole rehabilitation can be a cost-effective means of reducing wet weather flows by decreasing groundwater infiltration with minimal impacts to residents and businesses. This project will rehabilitate manholes identified by NapaSan staff as active sources of groundwater infiltration during October and November 2021.

Five large-scale manhole rehabilitation projects have been completed within the last few years. Results from pre- and post-construction flow monitoring have shown that the cost-effectiveness of manhole rehabilitation alone can be substantially greater than full-system rehabilitation for reducing groundwater infiltration in the collection system. Infiltration in manholes can be observed and recorded relatively easily during regular maintenance activities. Furthermore, the work can be completed independently of other projects and with less impacts to residents and business owners.

NapaSan staff have developed an in-house data collection and monitoring system for manhole condition assessments. Condition assessments are performed by NapaSan Collections Department staff on an ongoing basis and entered into a database that can be queried to identify manholes with active groundwater infiltration. Manholes are then selected for rehabilitation based on their locations and severity of the observed infiltration. The manholes selected for rehabilitation under this project have been identified as active sources of groundwater infiltration and are upstream of historical overflow locations.

### **SUPPORTING DOCUMENTS**

A . Bid Results

B . Project Map

Napa Sanitation District: Approve

Reviewed By: Timothy Healy