



Agenda Date: 12/2/2020

Agenda Placement: 8C

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors

FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer

REPORT BY: Simon Kobayashi, Associate Engineer - 707-258-6030

SUBJECT: Approve Project, Concur with CEQA Determination, and Authorize the General Manager to Issue Notice Inviting Bids for the Pond Levee Maintenance Project (CIP 20707)

RECOMMENDATION

Approve the project, concur with staff's CEQA determination, and authorize the General Manager to issue Notice Inviting Bids for the Pond Levee Maintenance Project (CIP 20707)

EXECUTIVE SUMMARY

The project consists of replacing pond transfer structures, removing abandoned pipes, and restoring the pond levee outer wall height at specific locations. Replacement of the pond transfer structures was identified in the 2011 Wastewater Treatment Plant Master Plan as a priority due to their condition and lack of adequate flow control. The structures between ponds 1 and 2 were replaced in 2011 and structures between ponds 2 and 3 were replaced in 2019. This project will replace the remaining structures, which are between ponds 2 and 4 and ponds 3 and 4. The project will also remove some abandoned pipes from the outer levee wall from ponds 2 and 3.

Since the pond system was constructed in 1967, the levee embankments have experienced differential settlement at certain locations which requires those locations to be raised back to the design elevation to reestablish design storage capacity. The project will raise approximately 1,700-feet of the top of levee embankments by approximately 1.5 feet in the areas where the levee embankments have settled.

The engineer's estimate of probable construction cost for the project is approximately \$1,200,000.

Construction is scheduled for the dry-weather season of 2021 to take advantage of lower pond levels during the summer.

Plans are available for review at NapaSan's administrative office and will be available at the Board meeting on

December 2, 2020.

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 10-year capital improvement plan. There are sufficient funds in the capital plan to cover project costs.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The existing pond transfer structures have reached the end of their useful lives and requires replacement. The pond levee outer wall heights need to be raised reestablish design capacity of the pond system.
Is the general fund affected?	Yes
Future fiscal impact:	Construction will be completed in FY 21/22. Unused budget in the current fiscal year will be carried forward into the next fiscal year.
Consequences if not approved:	Staff will continue to use improvised methods to regulate flow between the ponds. The project would not get constructed.
Additional Information:	None.

ENVIRONMENTAL IMPACT

Staff performed a preliminary CEQA review of this project and determined the project is Categorical Exempt. This project consists of replacement or reconstruction of existing systems and/or facilities involving negligible or no expansion of capacity, which corresponds to Categorical Exemption 15302 (c) of the California Environmental Quality Act (CEQA) Guidelines. If the Board concurs with this determination, staff will file the attached Notice of Exemption.

BACKGROUND AND DISCUSSION

NapaSan performs regular surveys of the pond levee elevations to identify settlement over time. The scope of the levee raising portion of this project was developed based on the results of the surveys. NapaSan's last levee raising project was performed in 2006 and focused on other portions of the pond levees.

Imported levee fill soil is included as a bid alternate for this project bid. NapaSan is taking the minimum cost approach for levee fill soil, and continues to search for alternative soil sources that meet the project specification requirement to stockpile on-site in advance of the project. If soil cannot be found in advance of the project, the bid alternate for the contractor to provide the levee fill soil would be included in the contractor's scope of work.

SUPPORTING DOCUMENTS

- A . CEQA Resolution
- B . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy