



TITLE

Building E Pump Station Improvements Project (WW26-0200)

RECOMMENDATION

Adopt a Resolution amending the Fiscal Year 2025-26 Capital Improvement Program Budget to include the Building E Pump Station Improvements Project (WW26-0200) for an amount not to exceed \$350,000 and appropriating \$350,000 from Fund 550 Wastewater Capacity Fee to the project budget.

CONTACT

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BACKGROUND & ANALYSIS

Background

The future Napa River Ecology Center, located at 205 Wetlands Edge, includes both active and decommissioned City sanitary sewer infrastructure. Active facilities include the existing Building E Pump Station and a sewer overflow pond that is typically activated only during major storm events, when inflow and infiltration (I/I), including stormwater entering the sanitary sewer system, can temporarily exceed downstream treatment capacity.

The Building E Pump Station has been incrementally upgraded over the years to improve reliability and manage wet-weather flow conditions as the City has expanded. However, a permanent in-ground bypass pipeline to convey excess flows to the overflow pond during extreme storm events was not constructed as part of prior capital improvement efforts.

To manage peak flows and prevent sanitary sewer overflows, City staff have historically deployed temporary above-ground piping to divert excess flows to the overflow pond. While this approach has effectively protected the system during extreme weather events, it requires field mobilization and installation of temporary surface infrastructure across portions of the site.

Analysis

The planned development of the Napa River Ecology Center fundamentally changes the context of this facility. The site will transition from a primarily utility-support function to a publicly accessible,

education-oriented community asset. Recurring deployment of above-ground bypass piping is not compatible with the intended public interface of the Ecology Center, as it creates physical barriers to pedestrian circulation, affects site accessibility, and conflicts with the long-term vision for the property.

The Building E Improvements were originally scheduled for construction in the Fiscal Year 2026/27 Capital Improvement Program (CIP). However, the American Canyon Community and Parks Foundation (ACCPF) has recently secured additional funding sufficient to award the Ecology Center construction contract. With groundbreaking anticipated later in the near future, staff recommends expediting the pump station bypass improvements to ensure the permanent in-ground pipeline is installed prior to vertical construction.

Completing this work in advance of the Ecology Center construction will minimize site conflicts, reduce overall disruption, and avoid costly retrofits once the public facility is operational. Installation of a permanent in-ground bypass pipeline represents a necessary modernization of critical wastewater infrastructure and ensures long-term compatibility between essential utility operations and the City's investment in a publicly accessible Ecology Center.

Upon approval of this item, staff will coordinate with ACCPF's civil engineering firm, RSA+, to finalize the pump station design plans and proceed with public advertisement of the project. Staff is requesting City Council authorization to allocate the necessary budget authority to complete design, construction, and provide project management and inspection services.

COUNCIL PRIORITY PROGRAMS AND PROJECTS

Community and Sense of Place: "Build on the strength of our local community to develop a clear 'sense of place' and establish our unique identity."

FISCAL IMPACT

Staff recommends appropriating \$350,000 for the Building E Pump Station Improvements Project (WW26-0200) with the source of funding coming from Wastewater Capacity Fee Fund (Fund 550). The fiscal impact of the Recommended Action will reduce the balance of Fund 550 from \$1.2M to \$850k.

ENVIRONMENTAL REVIEW

15301 - The Project is exempt from review under the California Environmental Quality Act ("CEQA") under the Class 1 exemption of existing facilities of Section 15301 of Title 14 of the California Code of Regulations and said exemption is not negated by any exception under Section 15300.2 of said Regulations.

COMMUNICATION

Level 0: No Further Public Communication Needed

ATTACHMENTS:

1. Resolution - Building E Pump Station