



MEMORANDUM

TO: City Council

FROM: Bill Robeson, Assistant City Manager/Public Works Director

BY: Jill McPeck, Capital Improvement Project Manager

SUBJECT: Consideration of Approval of Construction Specifications for the Wood Place, Farroll/Sandalwood, Sandalwood/Cameron, & Woodland Back Yards Sewer Lining Project and Associated California Environmental Quality Act Exemption, PW 2021-10

DATE: May 10, 2022

SUMMARY OF ACTION:

Approve construction specifications, authorize the solicitation of bids, and affirm the California Environmental Quality Act exemption determination for the Wood Place, Farroll/Sandalwood, Sandalwood/Cameron, & Woodland Back Yards Sewer Lining Project.

IMPACT ON FINANCIAL AND PERSONNEL RESOURCES:

An allocation of \$267,200 of American Rescue Plan Act (ARPA) funds are available in the amended FY 2021/22 Capital Improvement Program budget for the design, inspection, construction, and contingencies of the subject project. The engineer's estimate for the Base Bid is \$216,000 and \$85,000 for the Bid Add Alternate. Staff time will be necessary to coordinate bidding activities with interested contractors and the design consultant.

RECOMMENDATION:

1) Approve the construction specifications for the Wood Place, Farroll/Sandalwood, Sandalwood/Cameron, & Woodland Back Yards Sewer Lining Project, PW 2021-10; 2) Authorize staff to advertise for construction bids; 3) Find that the project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15301(b); and 5) Direct the City Clerk to file a Notice of Exemption.

BACKGROUND:

In accordance with the 2012 Wastewater System Master Plan, the approved FY 2021/22 - FY 2025/26 Capital Improvement Program (CIP) budget included \$217,200 of Sewer funds for a trenchless sewer rehabilitation project for lining sewer pipes along:

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- Back Yards between Farroll Avenue and Sandalwood Ave, South Halcyon Road to Alder Street
- Back Yards west of Wood Place

The CIP budget also included \$50,000 of Sewer funds for a project to complete lining the remaining section of sewer pipe along backyards west of Woodland Drive.

On July 27, 2021, the Council approved the use of \$267,200 of ARPA funds for the Project in place of Sewer funds to help offset the increase in costs to rate payers.

In preparing for the project and to determine the condition of the pipes, a video inspection of each pipe segment was performed. The video inspections revealed that the pipe along South Alpine Avenue was still in favorable condition, and due to offsets in the existing pipe along Vernon Street, it would not be possible to line the pipe. Therefore, the back yard pipe segment between Sandalwood Avenue/Cameron Court identified in the wastewater master plan was added to the project to replace the South Alpine Avenue and Vernon Street segments. Collectively, the linings at the following segments are now included in what is referred to in this report as the Project:

- Back Yards between Farroll Avenue and Sandalwood Ave, South Halcyon Road to Alder Street
- Back Yards west of Wood Place
- Back Yards west of Woodland Drive

In order to bid the Project and provide immunity to the City, the City Council is requested to approve the specifications prior to the construction bidding process. Also, the scope of work is required to be environmentally cleared prior to bidding.

ANALYSIS OF ISSUES:

The Project scope of work involves the rehabilitation of sewer pipe that runs beneath the back yards of existing homes using a cured in place pipe (CIPP) method. CIPP is a trenchless (or no-dig) process where a flexible tube is inserted and pulled through the existing pipes from manholes or clean outs and is then cured using either hot water under hydrostatic pressure or steam pressure, to expand the tube to tightly bond with the interior of the existing pipes. This trenchless method allows the pipes to be rehabilitated in place without having to perform excavation and pipe replacement which would be extremely disruptive and expensive, if not nearly impossible, due to the locations in existing back yards. The project scope also includes a Bid Add Alternate for sewer lateral connection seals that are extra preventative measures to prevent leakage and/or intrusion but are not essential to a long-term functional sewer system. The purpose of connection seals is to seal any gaps between the house laterals and the lined sewer pipe to help prevent

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infiltration of groundwater into the sewer, exfiltration of sewerage into the surrounding soil, and tree roots from growing into the sewer. Based on the engineer's estimate, the connection seals have been included as a Bid Add Alternate. This allows the City to award just the Base Bid should there not be enough available budget to fund both the Base Bid (sewer pipe lining) and the Bid Add Alternate (sewer lateral connection seals).

The locations of the proposed work are shown in the following table:

		<u>Base Bid:</u> Sewer Lining		<u>Bid Add Alt:</u> Connection Seals
Back Yard Locations	Limits	Pipe Diameter	Length (ft)	Number of Laterals
West of Wood Place	Dodson Way to 200 Wood Place	6"	412	14
West of Woodland Drive	Olive Street to Farroll Avenue	14"	285	1
	Farroll Avenue to Woodland Drive	8"	186	1
Farroll Avenue/Sandalwood Ave	South Halcyon Road to Alder Street	6"	526	17
Sandalwood Ave/Cameron Court	South Halcyon Road to Alder Street	6"	634	14

The proposed contract time is 45 working days. Should successful bids be received and a construction contract awarded, work is expected to be performed from July through September 2022, depending on material availability. Project specifications are available for review at the Public Works Department.

ALTERNATIVES:

The following alternatives are provided for the Council's consideration:

1. Determine that the Project is categorically exempt from CEQA under Guidelines Section 15301(b), approve the construction specifications with the Bid Add Alternate, and direct staff to bid the project with the Bid Add Alternate;
2. Determine that the Project is categorically exempt from CEQA under Guidelines Section 15301(b), approve the construction specifications without the Bid Add Alternate, and direct staff to bid the project without the Bid Add Alternate;

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3. Do not approve the construction specifications and direct staff to evaluate alternative locations, and return to City Council for approval in the future; or
4. Provide other direction to staff.

ADVANTAGES:

The CIPP technology allows rehabilitation of sewer mains in place without having the need for more costly excavation and disruption. Moving forward with the Project will allow for the expenditure of American Rescue Plan Act (ARPA) funds within the required timeline.

DISADVANTAGES:

There will be intermittent sewer service disruption for customers during the Project. These will be minimized as much as possible and the Project specifications require the contractor to notify affected residents in advance.

ENVIRONMENTAL REVIEW:

The Project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guideline Section 15301(b) for the repair and maintenance of existing facilities of publicly-owned utilities used to provide sewerage.

PUBLIC NOTIFICATION AND COMMENTS:

The Agenda was posted at City Hall and on the City's website in accordance with Government Code Section 54954.2.

Attachment:

1. Notice of Exemption