CITY OF ALBANY
CITY COUNCIL AGENDA
STAFF REPORT

Agenda date: March 16, 2020
Reviewed by: NA

SUBJECT: Call for Bids for 2020 Sanitary Sewer Rehabilitation Project – Phase B (Contract No. C20-46)

REPORT BY: Robert Gonzales, Capital Improvements Program Manager
Mark Hurley, Public Works Director/City Engineer

SUMMARY

In compliance with the requirements of the State Water Resources Control Board (Water Board) and the United States Environmental Protection Agency (USEPA), City staff has completed the plans, specifications, and estimate (PS&E) for the 2020 Sanitary Sewer Rehabilitation Project - Phase B (Project). The proposed project is part of a 10-year Capital Improvement Project for the City's sewer system. The Public Works Department requests that the Council authorize the City Manager to approve a Call for Bids for the Project.

STAFF RECOMMENDATION

That the Council adopt Resolution No. 2020-26 authorizing the City Manager to approve a Call for Bids for the 2020 Sanitary Sewer Rehabilitation Project – Phase B, Contract No. C20-46.

BACKGROUND

The City owns and maintains approximately 32 miles of sewer main and 14 miles of lower laterals. Sewer mains that have not yet been replaced or rehabilitated are predominantly made of vitrified clay with cement mortar joints. Most clay pipes in Albany's system are over 60 years old and are in a deteriorated condition. Root intrusion through the joints has caused fracturing and other pipe defects, which increase the risk of a major structural failure or blockage.

Older sewer systems also experience excessive amounts of wet weather sanitary flows caused by the infiltration of stormwater and groundwater into the cracked sewer pipes and aging brick manholes which would otherwise be conveyed through the storm drain system. This influx of water can overwhelm the treatment plants that clean wastewater, causing partially treated wastewater to be released into the San Francisco Bay.

In 2014, the City of Albany, along with seven other East Bay cities and agencies, entered into a Consent Decree agreement with the US Environmental Protection Agency, et. al,

which requires rehabilitation of at least 5,706 linear feet of sewer main per year. Under the terms of this deal, Albany is expected to rehabilitate 45,648 linear feet of sewer mains by June 30, 2021, and 5,706 linear feet per fiscal year thereafter until year 2030. The city contractor, Ranger Pipelines, is currently completing the 2018 sewer contract work and it is projected that by the end of Fiscal Year 2021, this planned work along with the current sewer work will bring the City into compliance with its annual sewer rehabilitation requirements.

DISCUSSION

The 2020 Sewer Rehabilitation Project – Phase B consists of the following: removal and replacement of approximately 5,367 linear feet of existing sewer mains; installation or rehabilitation of over 30 sanitary sewer manholes; and rehabilitation of approximately 1,748 linear feet of existing lower laterals at various locations.

As described below and shown on the attached map, the project will rehabilitate sewers primarily on the Marin Avenue/Buchanan trunk sewer which runs through existing easements thru the following properties and streets:

US Department of Agriculture/Oceanview School/UC Regents' Gill Tract

- Replacement of existing 18-inch to 12-inch vitrified clay pipes by pipe bursting longer lasting plastic pipes with sizes ranging from 20-inch to 14-inch diameter all within an existing 25-foot sewer easement starting easterly from the US Department of Agriculture (USDA) entrance gate through Ocean View Park, which continuous on through the Ocean View Elementary School property, and southerly through Jackson Street and easterly again through the Gill Tract Community Farm owned by University of California up to the intersection of San Pablo Avenue and Marin Avenue, for a total of 2,004 linear feet. Staff will continue to coordinate regularly during construction.

Marin Avenue

- Replacement of existing 10-inch vitrified clay pipe with 15-inch plastic pipe by open cut excavation in the median of Marin Avenue from Cornell Avenue to Masonic Avenue for approximately 500 linear feet.
- Replacement of existing 10-inch sewers on Marin Avenue from Cornell Avenue to Curtis Avenue, for a total of 2,862 linear feet.

The sewer rehabilitation project will require the city and its contractor to coordinate the work with USDA, Ocean View Elementary School, University of California Gill Tract Community Farm and Caltrans (State Highway 123).

Sewer work to be performed on Marin Avenue will be limited to one street block at a time, however, traffic lanes on Marin Avenue (one lane each way) will remain open during construction. Hours of work on Marin Avenue will be expanded during summer months, Monday to Friday and limited to 9:00 am to 3:30 pm in the fall; changeable message signs will be placed at entrances of the construction zone to advise motorists to take alternate routes. The contractor will be required to perform work in the vicinity of the Marin Elementary School when the school is out on summer recess (July 12, 2020 to August 24, 2020) to minimize impacts to school activities.

The following are the key dates through the bidding period:

March 16, 2020	Council Authorization
March 26, 2020	1st publication of Notice
April 2, 2020	2nd publication of Notice
April 21, 2020	Bid Opening

ENVIRONMENTAL CLEARANCE:

This project consists of the rehabilitation of an existing sewerage facility to meet current standards of public health and safety and is determined to be categorically exempt under CEQA.

SUSTAINABILITY CONSIDERATIONS

The rehabilitation of sanitary sewer mains and laterals prevents sanitary sewer overflows (SSOs). SSOs can reach storm drains and the San Francisco Bay causing unhealthy bacteria and pollutant levels. Preventing SSOs is a requirement of the Consent Decree.

FINANCIAL SUMMARY

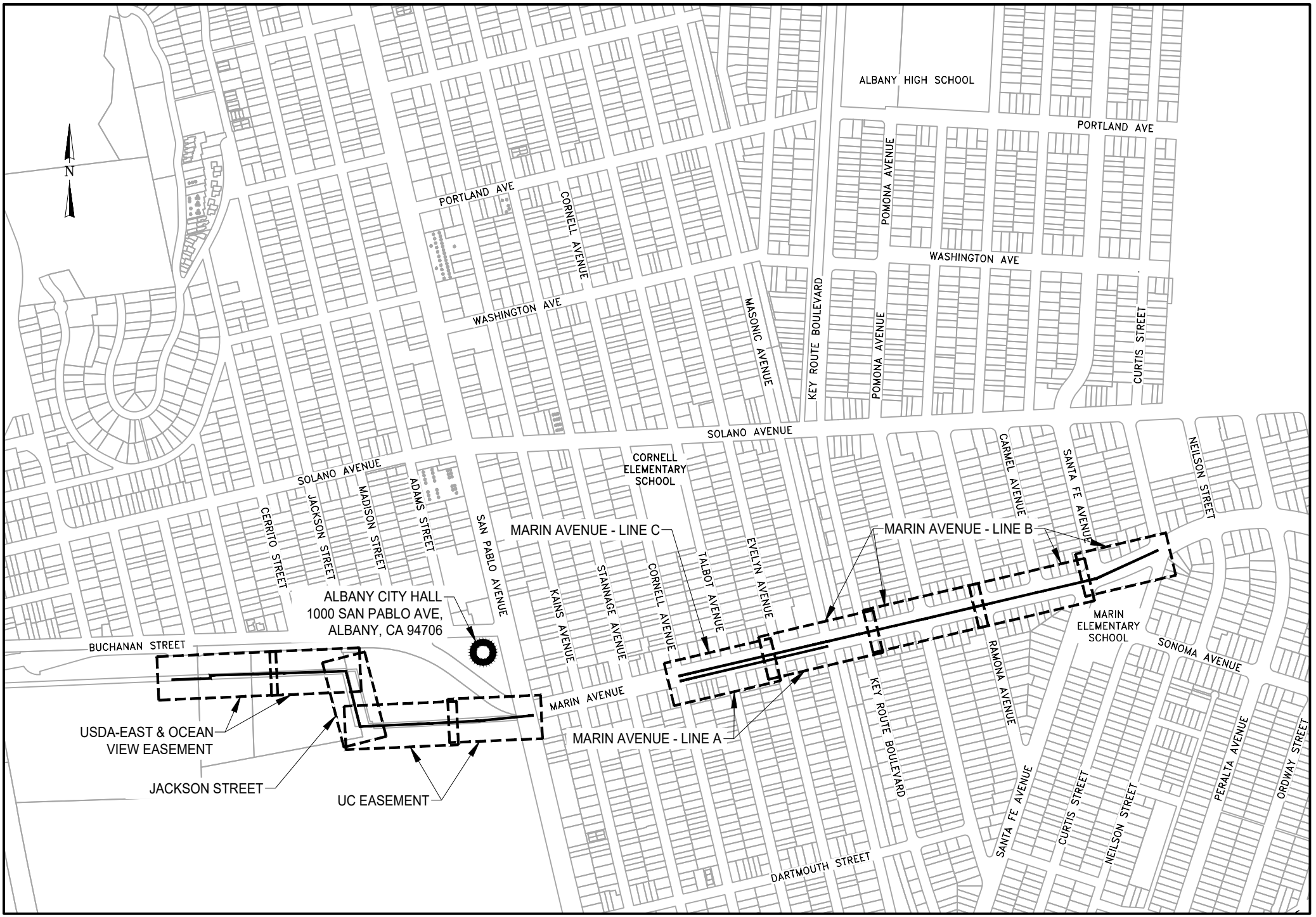
The following are the estimated costs of construction:

Construction	$ 2,594,000
Construction Mgmt./Inspection	$ 237,000
Materials Testing	$ 10,000
Contingency	$ 399,000
Total Estimated Cost	$ 3,240,000

There are adequate funds to implement this project in the Sewer Capital Project Fund (4002). Staff will request any additional appropriation at the time of contract award if needed.

Attachments:

1. Project Location Map
2. Resolution No. 2020-26



PROJECT LOCATION MAP

RESOLUTION NO. 2020-26

A RESOLUTION OF THE ALBANY CITY COUNCIL AUTHORIZING THE CITY MANAGER TO APPROVE A CALL FOR BIDS FOR THE 2020 SANITARY SEWER REHABILITATION PROJECT-PHASE B

WHEREAS, the City of Albany is required by Consent Decree to rehabilitate its aging sanitary sewer system; and

WHEREAS, the City of Albany's Capital Improvement Plan includes the Annual Sewer Rehabilitation Project to implement the requirements of the Consent Decree; and

WHEREAS, the City has prepared the bid and contract documents necessary to call for bids for the 2020 Sewer Rehabilitation Project; and

WHEREAS, the project consists of the rehabilitation of an existing sewerage facility to meet current standards of public health and safety and is determined to be categorically exempt under CEQA.

NOW, THEREFORE, BE IT RESOLVED, that the Albany City Council authorize the City Manager to approve a Call for Bids for the 2020 Sanitary Sewer Rehabilitation Project - Phase B.

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NICK PILCH, MAYOR