Administrative Report

H.8., **File #** 21-2825 **Meeting Date:** 8/3/2021

To: **MAYOR AND CITY COUNCIL**

From: TED SEMAAN, PUBLIC WORKS DIRECTOR

TITLE

APPROVE THE PLANS AND SPECIFICATIONS FOR THE ALTA VISTA SEWER PUMP STATION PROJECT, JOB NO. 50300, AND AUTHORIZE THE CITY CLERK TO ADVERTISE FOR COMPETITIVE BIDS.

EXECUTIVE SUMMARY

The Alta Vista Sewer Pump Station Project ("Project") will replace two small existing pump stations and construct in their place one larger station with an emergency stand-by generator. The new pump station will replace the existing Alta Vista Ball Park Pump Station and Alta Vista Park Community Center Pump Station, both located near high activity areas in Alta Vista Park. The new pump station will be constructed within the Alta Vista Park to the north of the Community Center parking lot in the hillside adjacent to Camino Real. See attached map for general locations of existing and proposed stations. Replacement of these older and less efficient stations with one designed to meet all current safety and building codes for the protection and preservation of life and property is considered an important part of maintaining the City's sanitary sewer system as recommended in the City's Sewer System Master Plan.

The total Project budget, funded through the Wastewater Enterprise Fund, in the current Capital Improvement Program is $2,275,000. The current engineer's estimate for the Project is $4.5 million due to the fact that material and equipment prices have increased significantly this past year due to extensive supply chain disruptions. Once the project is competitively bid and an accurate cost for construction is obtained, staff will request any additional funding necessary from the Wastewater Enterprise Fund at the time of project award. Plans and specifications for the Project have been prepared and are now ready to be advertised for competitive bids. The specifications allow one full calendar year to complete construction and project close-out. Project Plans and Specifications are available for review in the Plans and Specifications Review Area located behind the Engineering Services Division counter at City Hall.

BACKGROUND

To provide a statewide regulatory approach to address Sanitary Sewer Overflows, the State Water Resources Control Board adopted Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, Water Quality Order No. 2006-0003 ("Order"), on May 2, 2006. The Order requires that the City develop and implement a Sanitary Sewer Master Plan ("SSMP") that documents the City's program to properly operate and maintain its sanitary sewer system, including pump stations.

The SSMP covers various activities and programs addressing the system, including a System Evaluation and Capacity Assurance Plan ("SECAP"). In October 2009, the City Council approved the SSMP and in December 2010, the City Council approved a major update to the SSMP including updates to the SECAP. In May 2015, the City Council approved an update to the City's SSMP and SECAP. The 2015 updated SECAP lists the Alta Vista Pump Station Project as a priority project.

The Project includes the design and reconstruction of a new Alta Vista Sanitary Sewer Pump Station, including the demolition of two existing small pump stations including the Alta Vista Ball Park Pump Station and the Alta Vista Park Community Center Pump Station within the Alta Vista Park premises. The existing two stations have deficient and outdated controls, pump houses, discharge & suction pipes, valves, wet and dry wells, electronics and mechanical components and are currently in need of immediate repairs.

The existing Alta Vista Ball Park Pump Station stores 573 gallons of sewage and has a pump design capacity of 60 gallons per minute. The lift station is located adjacent to the batting cages near the baseball field on Julia Avenue. This pump station handles flows from the public restrooms and concession stand. The existing Alta Vista Park Community Center Pump Station stores 600 gallons of sewage and has a pump design capacity of 75 gallons per minute. The pump station is located in the grass area just outside the Community Center. The lift station handles flows from the Community Center restrooms and kitchen and also from the homes located across the street on Camino Real.

The new lift station will replace the two existing Pump Stations and will store 4,230 gallons of sewage and provide the minimum 3 feet per second force main design velocity. The sewage will be pumped through a new 4-inch force main and connect to a new drop manhole in Camino Real. The 6-foot diameter wet well will feature two 3.5 hp submersible wastewater pumps with a rated flow rate of 120 gallons per minute. The new pump station will be constructed within the Alta Vista Park to the north of the Community Center parking lot in the hillside adjacent to Camino Real.

This new pump station will meet all current safety and building codes to ensure the protection and preservation of life and property and operate the station in the most efficient and safe manner. The new station will include general civil, architectural, mechanical, structural, electrical and control work. It will include construction of a new electrical and emergency generator enclosure, complete with all architectural, structural, mechanical, plumbing, and electrical elements. The station's Supervisory Control and Data Acquisition ("SCADA") controls will be integrated into the City's existing wireless SCADA system. This project will also incorporate an art element at the site per the City's Public Art Ordinance (1% of project budget coordinated with the City's Public Art Commission).

The total project budget, funded through the Wastewater Enterprise Fund, in the current Capital Improvement Program is $2,275,000. The engineer's estimate for the Project is $4.5 million due to the fact that material and equipment prices have increased significantly this past year due to extensive supply chain disruptions. Once the Project is competitively bid and an accurate cost for construction is obtained, staff will request any additional funding necessary from the Wastewater Enterprise Fund at the time of project award. Staff anticipates advertising the project on August 3, 2021 and awarding the project in October or November of 2021. Plans and specifications for the Project have been prepared and are now ready to be advertised for competitive bids. The specifications allow one full calendar year to complete the Project construction and close-out. Project Plans and Specifications are available for review in the Plans and Specifications Review Area located

behind the Engineering permit counter at City Hall.

COORDINATION

The scope of work identified in the contract will be coordinated through the Public Works Department. The Public Art element will be coordinated with the Community Services Department.

FISCAL IMPACT

Funding		Estimated Expenditures	
Wastewater Fd (FY20-21)	$2,275,000	Bid Awardee-Construction	$4,000,000
Available Wastewater Fd	$2,225,000	Const. Mgmt./Inspection	$ 200,000
		Contingency Funds	$ 300,000
Total	$4,500,000	Total	$4,500,000

APPROVED BY:
Joe Hoefgen, City Manager

ATTACHMENTS

- Location Map of proposed and existing pump stations