



# CITY OF SANTA BARBARA

## COUNCIL AGENDA REPORT

**AGENDA DATE:** September 8, 2015

**TO:** Mayor and Councilmembers

**FROM:** Engineering Division, Public Works Department

**SUBJECT:** Increase In Construction Change Order Authority For Elings Park Recycled Water Pump Station Project

**RECOMMENDATION:** That Council:

- A. Approve a transfer of \$214,795 from Water Operating Fund reserves to the Water Capital Fund;
- B. Increase appropriations and estimated revenues by \$214,795 in the Water Capital Fund for the Elings Park Recycled Water Pump Station Project;
- C. Authorize an increase in the Public Works Director's change order authority to approve expenditures for extra work for the Elings Park Recycled Water Pump Station Project, Contract No. 25,181, with Pacific Coast Excavation, Inc., in the amount of \$150,000, for a total project expenditure authority of \$385,264;
- D. Authorize an increase in the Public Works Director's change order authority to approve expenditures for extra work for the Elings Park Recycled Water Pump Station Project, Contract No. 24,879 for design services with Stantec, in the amount of \$7,500, for a total project change order expenditure authority of \$54,800; and
- E. Authorize an increase in the Public Works Director's change order authority to approve expenditures for extra work for the Elings Park Recycled Water Pump Station Project, Contract No. 25,182 for construction support services with Mimiaga Engineering Group, in the amount of \$32,289, for a total project change order expenditure authority of \$58,029.

**DISCUSSION:**

**BACKGROUND**

The Reclaimed Water System has been developed in multiple phases, adding customers as appropriate. However, operational constraints limit the options available to staff to optimally manage the system. One major constraint is the pressure required to move water up to higher elevations at Elings Park (from 70 feet at the bottom to 375 feet at the top). To maintain this elevated pressure, a significant portion of the system must operate at above normal pressures for extended periods. This pressure is maintained by operating both the Golf Course and La Mesa Pump Stations.

## Council Agenda Report

### Increase In Construction Change Order Authority For Elings Park Recycled Water Pump Station Project

September 8, 2015

Page 2

Incorporating a smaller booster pump station at Elings Park will provide reliable service to this customer while allowing the remainder of the system to operate at a lower, steady pressure. The pump station will not increase the total quantity of water delivered. The water that is delivered will be at a higher pressure allowing sprinklers to function more efficiently.

The project as designed consists of building two concrete pads, a retaining wall, and the installation of a skid-mounted pump station. A black vinyl chain link fence will be installed around the pump station and there will be one parking space for a maintenance vehicle. The project includes a landscape plan that screens the pump station from Jerry Harwin Parkway. Elings Park staff will install and maintain landscaping for this project.

#### CURRENT STATUS

On April 14, 2015, Council awarded a contract in the amount of \$213,874, with a change order authority of \$21,390, to Pacific Coast Excavation for the construction of the Elings Park Recycled Water Pump Station (Project), Bid No. 3722.

Work on site began on July 21, 2015. During excavation, the Contractor discovered landfill trash at levels not anticipated per the soils report. City staff is working with the geotechnical engineer, structural engineer, and environmental personnel on a potential design solution. Because any proposed re-design will require review through the City's Building and Safety Division and potentially the Architectural Board of Review, the completion of the Project may be extended as far as February 2016.

Nearly all of the construction change order authority has been used for the installation of a Southern California Edison intercept box that was not required during design, and the removal and hauling of the landfill trash, and unsuitable soils that were encountered during excavation. The balance of the current construction change order authority will not be sufficient to cover the anticipated costs of extra work needed to complete the Project.

On June 24, 2014, Council awarded a contract to Penfield and Smith (now Stantec) in the amount of \$47,300, including extra services. This contract included design of the Project and support during the construction phase. The concrete pads for the transformer and pump station and the retaining walls around the site will need to be re-evaluated and potentially strengthened and raised. The small amount remaining on their contract will not be enough to cover the re-evaluation.

On April 14, 2015, Council awarded a contract in the amount of \$23,400 with change order authority of \$2,340, to Mimiaga Engineering Group for construction support services. The increase in Mimiaga's contract will be used to support the monitoring of excavation once construction restarts for hazardous materials in the trash, such as construction debris.

Of the \$214,795 requested from Water Fund Reserves, \$189,789 will be used to increase contract change order authority and the remaining \$25,006 will be for materials testing and Staff construction management costs.

**BUDGET/FINANCIAL INFORMATION:**

**FUNDING**

The following summarizes the additional expenditures recommended in this report:

**CONSTRUCTION CONTRACT FUNDING SUMMARY**

	<b>Base Contract</b>		<b>Change Order</b>	<b>Total</b>
	<b>Base Contract</b>	<b>Initial Change Order</b>	<b>Increased Change Order Amount</b>	<b>Total</b>
Pacific Coast Excavation	\$213,874	\$21,390	\$150,000	\$385,264
Stantec	\$43,000	\$4,300	\$7,500	\$54,800
Mimiaga Engineering Group	\$23,400	\$2,340	\$32,289	\$58,029
Pacific Materials Laboratory	\$1,500		\$5,000	\$6,500
Construction Management (City Staff)	\$33,866		\$20,006	\$53,872
<b>Totals</b>	<b>\$315,640</b>	<b>\$28,030</b>	<b>\$214,795</b>	<b>\$558,465</b>

Staff requests the transfer and appropriation of funds from Water Fund reserves to the Water Capital Fund to cover the extra work items.

**PREPARED BY:** Linda Sumansky, Principal Civil Engineer/AF/MM/kts

**SUBMITTED BY:** Rebecca J. Bjork, Public Works Director

**APPROVED BY:** City Administrator's Office