



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: June 24, 2014

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Design For The Elings Park Booster Pump Station

RECOMMENDATION:

That Council authorize the Public Works Director to execute a City Professional Services contract with Penfield & Smith in the amount of \$43,000 for design services for the Elings Park Booster Pump Station Installation, and authorize the Public Works Director to approve expenditures of up to \$4,300 for extra services that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND

The City's reclaimed water system has been developed in multiple phases, and the City has been incorporating projects and adding customers to the system as the opportunity becomes available. Elings Park is a customer that is presently serviced by the reclaimed water system, however, operational constraints limit the options available to optimally manage the system. One major constraint is the pressure requirement to move water up to the higher elevations at Elings Park (70ft at the bottom and 375ft 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. 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.

PROJECT DESCRIPTION

The work consists of the installation of a booster pump station at Elings Park to maintain the system pressures required at the increased elevations of the park facilities.

DESIGN PHASE CONSULTANT ENGINEERING SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with Penfield & Smith in the amount of \$43,000 for design, and \$4,300 for potential extra services, for a total amount of \$47,300. Penfield & Smith was selected through the Request For Proposal process. Penfield & Smith submitted a proposal for Civil Engineering design services for the Alameda Well replacement project and they have the experience and expertise to complete this project.

FUNDING

The following summarizes all estimated total Project costs:

ESTIMATED TOTAL PROJECT COST

Design (by Contract)	\$47,300
Other Design Costs - City staff, Survey, Environmental (Assessments, etc.)	\$58,198
Subtotal	\$105,498
Estimated Construction Contract w/Change Order Allowance	\$201,333
Estimated Construction Management/Inspection (by Contract or City)	\$24,725
Estimated Other Construction Costs (testing, etc.)	\$7,500
Subtotal	\$233,558
TOTAL PROJECT COST	\$339,056

There are sufficient appropriated funds in the Water Fund to cover these costs.

SUSTAINABILITY IMPACT:

The current recycled water distribution system operates two pump stations for extended amounts of time to sustain elevated pressures for Elings Park. The primary benefit of installing a new and smaller pump station is to replace the five hours of daily use of the La Mesa Pump Station. The estimated electrical cost savings is calculated to be approximately \$18,000 per year. This electrical savings translates to a reduction of approximately 120,000 pounds per year of carbon dioxide.

PREPARED BY: Amanda Flesse, Supervising Civil Engineer/CW/mj

SUBMITTED BY: Rebecca J. Bjork, Public Works Director

APPROVED BY: City Administrator's Office