



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: March 12, 2013

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Design Of Wellhead For New Corporation Yard Well

RECOMMENDATION:

That Council authorize the Public Works Director to execute a Professional Services contract with Carollo Engineers in the amount of \$80,000 for design services for the Corporation Yard Wellhead Project, and authorize the Public Works Director to approve expenditures of up to \$8,000 for extra services of Carollo Engineers that may result from necessary changes in the scope of work.

DISCUSSION:

The City is in the process of replacing the existing Corporation Yard Well. The first phase, which will begin this month, involves abandoning the existing well and drilling the new well. The second phase will involve installing the wellhead on the new well. This contract is for the design of that wellhead.

BACKGROUND

The City's groundwater supplies are an important part of the City's overall water supply. They help meet peak summer water demands and supplement depleted surface water supplies during droughts. Groundwater supplies also serve as an emergency water source in the event of a catastrophic interruption to the water supplies from the Santa Ynez River or the State Water Project.

In 2011, Council awarded a contract to rehabilitate the Ortega Groundwater Treatment Plant (OGTP), which included rehabilitation of three of the four downtown wells. The OGTP facility and wells are anticipated to be ready for operation in the summer of 2013. Rehabilitation of the Corporation Yard Well was originally included in the OGTP project scope. However, during the initial design phase, it was determined that the CYW was in the process of failing and a new well would need to be drilled. Work pertaining to the Corporation Yard Well was removed from the OGTP project scope.

Municipal well development has two distinct phases. The first phase involves drilling the well. The second phase involves installing the wellhead, which includes the associated piping, electrical systems, pump and motor.

In December 2012, Council awarded a contract to Layne Christensen (Layne) for construction services on the first phase, which includes drilling a replacement well and abandoning the existing well. This work is scheduled to begin in March and be completed in May 2013.

PROJECT DESCRIPTION

The Corporation Yard Wellhead (“CYW”) Project is the second and final phase necessary to put the well into production. Staff conducted a competitive request for proposals and recommends hiring Carollo Engineers (Carollo) to perform the necessary engineering design for the Project. Carollo was found to be best suited to perform the work and has successfully performed many other similar projects for the City.

Staff recommends that Council authorize the Public Works Director to execute a contract with Carollo in the amount of \$80,000 and authorize the Public Works Director to approve expenditures of up to \$8,000 for extra services, for a total of \$88,000. The scope of Carollo’s work includes preparing construction documents for the well pump, wellhead piping, electrical service, and instrumentation to monitor well production and direct flows to the OGTP for treatment before being put into the water distribution system. Carollo’s scope of work also includes providing assistance during the bidding phase. Staff will return to Council to award a construction contract for the CYW Project in fall 2013.

FUNDING

There are sufficient appropriated funds in the Water Fund to cover the cost of the CYW Project. The following summarizes the expenditures recommended in this report and all expenditures associated with the new Corporation Yard Well:

ESTIMATED TOTAL PROJECT COST

Phase 1 – Well Drilling	\$1,442,830
Phase 2 – Wellhead	
Design (by Contract)	\$ 88,000
Design (by City Staff)	\$ 30,000
Subtotal	\$ 118,000
Construction	\$ 200,000
Construction Management (by City Staff)	\$ 40,000
Subtotal	\$ 240,000
TOTAL PROJECT COST	\$1,800,830

This item was heard by the Water Commission at its regular meeting on February 11, 2013. The Water Commission voted 5-0-0 in favor of staff's recommendations.

PREPARED BY: Joshua Haggmark, Principal Civil Engineer/CW/mj

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office