

DATE: May 8, 2007

TO: Water/Sewer Committee

FROM: Lonnie Thibodeaux, Water Utilities Director

SUBJECT: **RECOMMEND AUTHORIZATION TO AWARD A CONTRACT FOR THE CONSTRUCTION OF THE RAW WATER PIPELINE FOR WELLS 10 AND 11 PROJECT AND APPROVAL OF THE PROFESSIONAL SERVICES AGREEMENT WITH RBF CONSULTING FOR CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES**

SYNOPSIS

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council award a contract in an amount not to exceed \$997,710 to SC Valley Construction of El Cajon, for construction of the Raw Water Pipeline for Wells 10 and 11 project, and authorize the City Manager to execute the agreement upon receipt of all supporting documents; and approve a professional services agreement with RBF Consulting of San Diego in an amount not to exceed \$305,370 for construction management and inspection services related to the project; and authorize the City Manager to execute the agreement.

BACKGROUND

The Mission Basin Groundwater Purification Facility, located at 215 Fireside Drive (Exhibit A), was originally constructed and put into operation in 1994. The original facility produced 2.2 million gallons per day (mgd) of brackish groundwater by use of a reverse osmosis treatment process. A subsequent expansion project was to bring the capacity of the plant up to 6.37 mgd. This expansion, accepted by the City Council in February 2003, consisted of three additional production wells, nine monitoring wells, a high and low pump station, an additional reverse osmosis train and other infrastructure-related work. All work was satisfactorily completed with the exception of the production wells which, when drilled, did not produce sufficient quantities for production.

On June 2, 2004, City Council approved the professional services agreement with Infrastructure Engineering Corporation for the preparation of plans and specifications. In October 1998, City Council authorized a joint participation agreement between the City of Oceanside, San Diego County Water Authority (Authority) and the Metropolitan Water District (MWD) for participation in the Groundwater Recovery Program (GRP). As part of the GRP study, Authority has drilled 11 exploratory wells to map the Mission Basin for possible future use.

ANALYSIS

As part of the cooperative drilling project with the Authority, Oceanside had the Authority analyze up to five sites with an emphasis on three that can replace the poorly performing well sites 6, 7 and 8. Three of the sites are within a mile of the Mission Basin Groundwater Facility with one being on the plant site. The one at the plant site has recently been drilled by the Authority and during the test pumping produced up to 2,220 gallons per minute. The other two sites are scheduled to be drilled within the next few months. The City must have a raw water pipeline designed and constructed to utilize these new wells.

On April 12, 2007, fourteen bids were received and opened for the Raw Water Pipeline for Wells 10 and 11 project. The apparent low bidder is SC Valley Construction, of El Cajon, with a bid in the amount of \$997,710 (Exhibit B). Staff has reviewed the bid submitted by SC Valley Construction and find that its bid bond and references are in accordance with City standards. The engineer's estimate to construct the project was \$1,990,000.

To properly manage these projects during construction, the services of a construction management and inspection support team are required. On June 27, 2006, staff solicited proposals from twelve engineering firms (Exhibit C) to provide construction management and inspection services during construction of this project. The firms were selected from a list compiled by the City of Oceanside's Engineering Department using the City's selection procedures for professional services. Included in the solicitation were all Oceanside firms that provide these services.

On July 20, 2006, two proposals and three letters declining participation in the request for proposal solicitation were received by the Water Utilities Department. In accordance with the City's procedure, a panel was selected to evaluate the proposals. The panel unanimously recommended that RBF Consulting of San Diego be selected to provide the construction management and inspection services.

RBF Consulting's construction management and inspection duties will be to ensure that the project is constructed according to the plans and specifications. Additional duties to be performed include day-to-day monitoring and inspection of the work; geotechnical engineering and inspection services; surveying; special inspections as required; preparation of daily, weekly and monthly reports; processing of proposed change orders; processing submittals and requests for information; maintenance of logs for all correspondence, submittals, requests for information and change orders; attending weekly and monthly progress meetings; and generating and submitting detailed as-built construction drawings.

FISCAL IMPACT

In the adopted budget for Fiscal Year 2006-2007, City Council approved an appropriation of \$4,720,709 for the Mission Basin Groundwater Purification Facility Expansion. The engineer's estimate to construct the project is \$2,300,000, so adequate funds are available for the project.

CITY ATTORNEY’S ANALYSIS

The documents are being reviewed by the City Attorney.

INSURANCE REQUIREMENTS

The City’s standard insurance requirements will be met.

COMMISSION OR COMMITTEE REPORT

Does not apply.

RECOMMENDATION

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council award a contract in an amount not to exceed \$997,710 to SC Valley Construction of El Cajon, for construction of the Raw Water Pipeline for Wells 10 and 11 project, and authorize the City Manager to execute the agreement upon receipt of all supporting documents; and approve a professional services agreement with RBF Consulting of San Diego in an amount not to exceed \$305,370 for construction management and inspection services related to the project; and authorize the City Manager to execute the agreement.

PREPARED BY:

Greg Blakely
Administrative Manager

- Exhibit A - Site Map
- Exhibit B - Bid Opening Results
- Exhibit C - Request for Proposal Mailing List

DATE: May 8, 2007

TO: Water/Sewer Committee

FROM: Lonnie Thibodeaux, Water Utilities Director

SUBJECT: **RECOMMEND AUTHORIZATION TO AWARD A CONTRACT FOR THE CONSTRUCTION OF THE LOMA ALTA CREEK ULTRA-VIOLET TREATMENT FACILITY AND APPROVAL OF THE PROFESSIONAL SERVICES AGREEMENT WITH CAROLLO ENGINEERS FOR CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES**

SYNOPSIS

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council award a contract in an amount not to exceed \$3,662,949.35 to Orion Construction Corporation of Vista for construction of the Loma Alta Creek Ultra-Violet Treatment Facility project, and authorize the City Manager to execute the agreement upon receipt of all supporting documents; and approve a professional services agreement with Carollo Engineers of Oceanside, in an amount not to exceed \$325,900 for construction management and inspection services; and authorize the City Manager to execute the agreement.

BACKGROUND

The Loma Alta Lagoon and Buccaneer Beach, located in the City of Oceanside, have a history of high bacteria levels. Since 1992, the Water Utilities Department has pumped the dry weather flows from the Loma Alta Lagoon directly into the wastewater ocean outfall. This practice allowed Buccaneer Beach to remain open and free from postings during popular summer months. Due to insufficient capacity in the outfall, an alternative to the diversion was necessary. This Ultra-Violet Facility at the Loma Alta Creek project (UV Facility) (Exhibit A) allows the flows to be discharged directly into the ocean after treatment and frees up outfall capacity for wastewater.

On January 16, 2006, Council adopted a resolution authorizing entering into an agreement with the State of California for a Proposition 40 Clean Beaches Initiative grant for the UV Facility. On May 17, 2006, Council approved a professional services agreement with Carollo Engineers for project design, plans and specifications and environmental permitting services for the UV Facility. During the design phase, cost estimates were developed for the project. It was determined that the project would cost approximately \$5,000,000. The City reapplied for this new grant amount and the State of California for a Proposition 40 Clean Beach Initiative task force voted to approve this increase in funds. The new \$5,000,000 grant replaces the original \$2,355,000 grant.

ANALYSIS

The intent of the Initiative was to fund projects that address postings and closures at California public beaches caused by bacterial contamination. To be funded, the beaches had to be on a Competitive Location List based on a history of poor bacterial water quality. Buccaneer Beach at Loma Alta Creek met this requirement. This \$5,000,000 grant will fund the design, permitting and building of a ultra-violet light treatment facility including filtration and discharge piping at the south end of the La Salina Wastewater Treatment Plant just north of Buccaneer Beach. The UV light, combined with sediment filters, will reduce the bacterial levels so that during dry weather months, the flow can be discharged directly into the ocean at the high tide line. The treatment facility will be housed in a building matching the design of the La Salina Wastewater Treatment Plant since it will be located inside the plant's perimeter. This project will be completed by October 2008, including a full year of water quality monitoring and report preparation.

On May 1, 2007, ten bids were received and opened for the Loma Alta Creek Ultra-Violet Treatment Facility project. The apparent low bidder is Orion Construction Corporation, of Vista, with a bid amount of 3,662,949.35 (Exhibit B). Staff has reviewed the bid submitted by Orion Construction Corporation and find that its bid bond and references are in accordance with City standards. The engineer's estimate to construct the project was \$4,280,000.

To properly manage this project during construction, the services of a construction management and inspection support team are required. On March 21, 2007, staff solicited proposals from sixteen engineering firms (Exhibit C) to provide construction management and inspections services during construction of this project. The firms were selected from a list compiled by the City of Oceanside's Engineering Department using the City's selection procedures for professional services. Included in the solicitation were all Oceanside firms that provide these services.

On April 24, 2007, four proposals were received by the Water Utilities Department. In accordance with the City's procedure, a panel was selected to evaluate the proposals. The panel unanimously recommended that Carollo Engineers of Oceanside be selected to provide the construction management and inspection services.

FISCAL IMPACT

Funding of this grant does not take place until the agreement between SWRCB and the City of Oceanside is executed. Staff will request the City Council to approve both the agreement and the funding at that time. Water Utilities expenditures on this project will be reimbursed by the grant.

COMMISSION OR COMMITTEE REPORT

Does not apply.

CITY ATTORNEY'S ANALYSIS

The documents are being reviewed by the City Attorney.

INSURANCE REQUIREMENTS

Does not apply.

RECOMMENDATION

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council award a contract in an amount not to exceed \$3,662,949.35 to Orion Construction Corporation of Vista for construction of the Loma Alta Creek Ultra-Violet Treatment Facility project, and authorize the City Manager to execute the agreement upon receipt of all supporting documents; and approve a professional services agreement with Carollo Engineers of Oceanside, in an amount not to exceed \$325,900 for construction management and inspection services; and authorize the City Manager to execute the agreement.

PREPARED BY:

Greg Blakely
Administration Manager

- Exhibit A - Site Map
- Exhibit B - Bid Opening Results
- Exhibit C - Request for Proposal Mailing List