TO: HONORABLE CITY COUNCIL
FROM: CITY MANAGER DEPARTMENT: PUBLIC WORKS
DATE: OCTOBER 6, 2008 CMR:379:08
REPORT TYPE: CONSENT
SUBJECT: Approval of a Wastewater Treatment Enterprise Fund Contract With JMB Construction, Inc. in The Total Amount of $878,800 for the Recycled Water Contact Chamber Retrofit Project at the Regional Water Quality Control Plant - Capital Improvement Program Project WQ-80021

RECOMMENDATION
Staff recommends that Council:

1. Approve and authorize the City Manager or his designee to execute the attached Wastewater Treatment Enterprise Fund contract with JMB Construction, Inc. (Attachment A) in the total amount of $878,800 for the recycled water contact chamber retrofit project at the Regional Water Quality Control Plant (RWQCP), Capital Improvement Program Project WQ-80021; and

2. Authorize the City Manager or his designee to negotiate and execute one or more change orders to the contract with JMB Construction, Inc. for related, additional but unforeseen work which may develop during the project, the total value of which shall not exceed $87,880.

DISCUSSION
Project Description
The RWQCP water reclamation facility is designed to treat a portion of the RWQCP effluent and produce recycled water that meets the state’s Title 22 recycled water regulations. The plant is designed to supply recycled water to the Palo Alto Golf Course, Greer Park, the Baylands Duck Pond, water trucks, and sites in Mountain View. Current recycled water use is about 500,000 gallons per day in the dry season; the peak flow rate rises to approximately 2.5 million gallons per day during night time irrigation. This beneficial use of recycled water is scheduled to more than double over the next few years. The existing chlorine contact chamber is not designed for optimum contact time between the water and the chlorine disinfectant at the anticipated higher flow rates. This project ensures the continued proper disinfection of the recycled water delivered to existing and future customers in Palo Alto and Mountain View. Chlorine, in the form of sodium hypochlorite, will be used to disinfect the filtered water and maintain chlorine residual in the storage tanks and distribution pipelines. Existing process tanks will be covered and fitted with baffles, the flow path will be re-routed to improve hydraulics, and the peak chlorine contact capacity will be increased to at least 6.3 million gallons per day with adequate chlorine contact time to meet state Title 22 recycled water regulations. Tank covers will (a) reduce the potential for foreign debris to enter the tanks; and (b) reduce sunlight induced demand for additional
chlorine in the tanks. Reducing chemical use will result in a more cost-effective operation. The design of this project was performed by Water Works Engineers, Inc. (CMR:198:08)

Summary of Bid Process

<table>
<thead>
<tr>
<th>Bid Name/Number</th>
<th>Recycled Water Contact Chamber Retrofit #128718</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Length of Project</td>
<td>5 months</td>
</tr>
<tr>
<td>Number of Bids Mailed to Contractors</td>
<td>13</td>
</tr>
<tr>
<td>Number of Bids Mailed to Builder's Exchanges</td>
<td>11</td>
</tr>
<tr>
<td>Total Days to Respond to Bid</td>
<td>27</td>
</tr>
<tr>
<td>Pre-Bid Meeting?</td>
<td>Yes</td>
</tr>
<tr>
<td>Number of Company Attendees at Pre-Bid Meeting</td>
<td>11</td>
</tr>
<tr>
<td>Number of *Bids Received:</td>
<td>2</td>
</tr>
<tr>
<td>Bid Price Range</td>
<td>From a low of $878,800 to a high of $1,484,000</td>
</tr>
</tbody>
</table>

*Bid summary provided in Attachment B. Certification of Nondiscrimination is Attachment C.

City required that bidders pay prevailing wage on this project due to the regional nature of the recycled water service area.

Staff has reviewed all bids submitted and recommends that the bid of $878,800 submitted by JMB Construction, Inc. be accepted and that JMB Construction, Inc. be declared the lowest responsible bidder. The bid is 16.7 percent above the engineer's estimate of $753,000. The change order amount of $87,880 which equals 10 percent of the total contract is requested for related, additional but unforeseen work which may develop during the project.

Staff confirmed with the Contractor's State License Board that the contractor has an active license on file. Staff checked references supplied by the contractor for previous work performed and found no significant complaints.

**RESOURCE IMPACT**
Funds for this project are included in the 2008-09 Wastewater Treatment Enterprise Fund budget.

**POLICY IMPLICATIONS**
This recommendation does not represent any change to existing City policies.

**ENVIRONMENTAL REVIEW**
The recommended action is exempt from review under the California Environmental Quality Act pursuant to CEQA Guidelines Section 15301 (b), which includes maintenance of publicly-owned wastewater facilities involving negligible expansion.

**ATTACHMENTS**
Attachment A: Contract
Attachment B: Bid Summary
Attachment C: Certification of Nondiscrimination

PREPARED BY: JAMES S. ALLEN
Acting Manager, RWQCP

DEPARTMENT HEAD: GLENN S. ROBERTS
Director of Public Works

CITY MANAGER APPROVAL: JAMES KEENE
City Manager