SUBJECT: AUTHORIZATION TO ADVERTISE FOR BIDS - WELL NO. 28 PROJECT (PUMPING PLANT)

SOURCE: Public Works Department - Engineering Division

COMMENT: The Plans and Project Manual have been prepared for Well No. 28 Project (Pumping Plant). The well is located on “F” Street, south and next to the Wal Mart Distribution Center. This is the second phase of the well project and consists of the installation of a 100 HP pump, electrical system, above ground discharge piping and other items of work necessary to provide a complete pumping plant.

The contractor (Zim Industries, Inc.) for the first phase of the Well No. 28 Project has completed the drilling operations, development and production testing. The water quality is good and production will be about 550 gallons per minute. Site clean up and final billings are the only items requiring the contractor’s attention before staff will request acceptance of the project’s first phase.

The Plans and Project Manual are available for review in Public Works Department - Engineering Division.

The City’s consultant, Dee Jaspar & Associates, has prepared an Estimate of Probable Cost and the amount, including add alternates, is $617,000. This estimate is about 200% higher than normal. Estimating projects have become very difficult due to escalating construction costs and the high demand for well contract work.

Construction costs for Phase 1 work is approximately $298,000 and as stated, the second phase is estimated to be $617,000. These totals equate to an estimated construction cost of $915,000. During the 04/05 Annual Budget, $452,864 of Water Replacement Funds were appropriated for the Well No. 28 Project. The project will require an appropriation of $590,000 from other accounts within Water Replacement Fund to cover all costs, including construction contingencies and staff time.

RECOMMENDATION: That City Council:

1. Approve the Plans and Project Manual; and
2. Authorize staff to advertise for bids on the project; and

Dir ______ Appropriated/Funded ______ CM ________ Item No. 4
3. Authorize staff to appropriate the necessary Water Replacement Funds during the construction award process.

ATTACHMENTS: Locator Map
Engineer’s Estimate

P:\manager\Agenda Items\2005_04_05 CC Agenda\2005_04_05 Item 04.wpd
**City of Porterville**  
**Well No. 28 Facility Project**  
**Project No.: 89-9763**

**Engineer’s Cost Estimate for Well No. 28 Facility Construction**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Estimated Quantity</th>
<th>Unit of Measure</th>
<th>Unit Price</th>
<th>Estimated Extension Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mobilization, Demobilization, Clean-up</td>
<td>1</td>
<td>Is</td>
<td>$53,750</td>
<td>$53,750</td>
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<tr>
<td>2</td>
<td>Earthwork</td>
<td>115</td>
<td>Cy</td>
<td>$35</td>
<td>$4,025</td>
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<td>3</td>
<td>Concrete Pump Foundation for Deep Well</td>
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<td>$800</td>
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<td>4</td>
<td>Vertical Hollow Shaft Electric Motor</td>
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<tr>
<td>5</td>
<td>Deep Well Vertical Turbine Pump Assembly</td>
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<td>Is</td>
<td>$28,500</td>
<td>$28,500</td>
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<tr>
<td>6</td>
<td>Well Discharge Piping, Site Drainage System and Appurtenances</td>
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<td>Is</td>
<td>$77,850</td>
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<td>7</td>
<td>Concrete Foundation w/ VFD Building &amp; Shade Structure</td>
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<td>Cy</td>
<td>$31,000</td>
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<tr>
<td>8</td>
<td>3/4&quot; Class II Aggregate Base Site Ground Cover</td>
<td>308</td>
<td>If</td>
<td>$200</td>
<td>$6,160</td>
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<tr>
<td>9</td>
<td>Site Landscaping including Concrete Drive Approach</td>
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<td>10</td>
<td>Painting System</td>
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<td>11</td>
<td>Electrical and Controls</td>
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<td>12</td>
<td>SCADA</td>
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<td>13 Alt.</td>
<td>On-Site Sodium Hypochlorite Generation System</td>
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<td>14 Alt.</td>
<td>Chlorine Building w/ Concrete Foundation</td>
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Subtotal w/o Alt. 13-15  
10% Contingency  
**Total Estimate w/o Alt. 13-15:**  
$435,445

Subtotal w/ Alt. 13-15  
10% Contingency  
**Total Estimate w/ Alt. 13-15:**  
$478,990

* Estimate does not include SCE or phone company costs

Prepared By:  
Curtis M. Skaggs, Project Engineer  
3-24-05  
Date

Reviewed By:  
Michael R. Reed, City Engineer  
3-23-05  
Date

Reviewed By:  
Baldomero S. Rodriguez, Public Works Director  
5-28-05  
Date

Reviewed By:  
John Longley, City Manager  
Date