

- **Board of Directors**  
**Engineering and Operations Committee**

September 12, 2006 Board Meeting

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8-1

### **Subject**

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Appropriate \$3.31 million; award a \$2,648,710 construction contract to Pima Corporation dba Advanced Construction to construct Phase I of the Weymouth Perimeter Improvements project; and authorize amendment to an existing agreement with Tetra Design, Inc. (Approp. 15369)

### **Description**

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The F. E. Weymouth Water Treatment Plant was placed into service in 1941 with an initial capacity of 100 million gallons per day (mgd). The plant was expanded twice to its current capacity of 520 mgd. It delivers a blend of water from the Colorado River and State Water Project to Metropolitan's Central Pool portion of the distribution system.

Based on recent site planning efforts conducted for the Weymouth Oxidation Retrofit Program (ORP), staff recommends that perimeter improvements proceed along the northern and western boundaries of the Weymouth plant and that entrance and security improvements proceed at the eastern entrance on Wheeler Avenue. Benefits of these improvements include enhanced security, screening, and continued positive relations with the city of La Verne and the local neighborhood.

In July 2005, the Board authorized final design of the Weymouth Perimeter Improvements. The project has been divided into four phases to allow initial portions of the work to proceed expeditiously. Later phases of the project will be coordinated with upcoming projects such as the Weymouth ORP. Award of a construction contract for the Phase I Perimeter Improvements is included in this action. The Phase I Perimeter Improvements include the addition of landscaping and decorative security wall/fencing along the west side of the plant, and construction of additional employee parking along Moreno and Sedalia Avenues. Final design of the Phase II improvements is underway. These improvements will include landscaping and irrigation along the north and south boundaries of the plant and improvements to some areas adjacent to the existing Water Quality Laboratory parking lot. Staff plans to return to the Board to award a construction contract for the Phase II improvements in late 2006. The Phase III improvements will upgrade the Weymouth plant's east entrance on Wheeler Avenue. This project includes a new guard enclosure; improved lighting and communication features for enhanced security; new entrance gate; and two traffic lanes in each direction. Final design will be completed in early 2007, in coordination with design of the Weymouth ORP. Phase IV improvements will address areas impacted by construction of the Weymouth ORP and will be completed in conjunction with the ORP in late 2009.

**Attachment 4** shows the planned phases of landscaping work and their expected completion dates.

These planned improvements are consistent with the draft La Verne Area Master Plan developed during the mid-1990s, and the Weymouth Master Site Plan approved through Resolution No. 06-10 of the City Council of the city of La Verne on February 6, 2006.

### **Weymouth Perimeter Improvements Phase I – Construction (\$3.31 million)**

Specifications No. 1546A for the Weymouth Perimeter Improvements Phase I was advertised on June 5, 2006. As shown in **Attachment 2**, three bids were received and opened on July 11, 2006. The low bid from Sharma General Engineering Contractors, Inc. was deemed to be non-responsive. The second low bid from Pima Corporation dba Advanced Construction, in the amount of \$2,648,710, complies with the requirements of the specifications. For this contract, Metropolitan established a Small Business Enterprise (SBE) participation level

of at least 20 percent of the bid amount. Pima Corporation dba Advanced Construction has committed to meet the SBE percentage. The engineer's estimate was \$2.919 million.

This action appropriates \$3.31 million in budgeted funds and awards a \$2,648,710 construction contract to Pima Corporation dba Advanced Construction to construct Phase I of the Weymouth Perimeter Improvements. In addition to the amount of the contract, the appropriated funds include \$283,000 for construction inspection, \$186,000 for staff and consultant support, and \$192,000 for remaining budget. Support activities include project management, coordination with the city of La Verne, and technical support by the design consultant, Tetra Design, Inc. Tetra Design will review submittals received from the contractor, respond to requests for information, and advise inspection staff on technical issues as they may arise. Amendment of the existing Tetra Design agreement to perform this work is described below.

Metropolitan staff will perform construction inspection of the contract. For this project, the anticipated cost of construction inspection and support is approximately 10.8 percent of the total construction cost. Engineering Services' goal for inspection of projects with construction costs less than \$3 million is 9 to 15 percent.

### **Technical Engineering Support – Amendment to Existing Agreement**

Tetra Design, Inc. was selected through a competitive process (Request for Proposals No. 555) to provide architectural services for the Weymouth plant and authority to enter into an agreement was approved by the Board in March 2002. Tetra Design performed final design of the Weymouth Perimeter Improvements Phase I and is underway with design of the Phase II improvements. Staff recommends amending the existing Tetra Design agreement to provide follow-up technical support during construction of the Weymouth Perimeter Improvements Phase I. Amendment of the Tetra Design agreement is consistent with the agreement's scope of work and with the planned approach for project implementation.

This action authorizes an increase of \$28,000 to the existing agreement with Tetra Design, for a new not-to-exceed total of \$2.228 million, to provide technical support during construction of the Weymouth Perimeter Improvements Phase I. For this agreement, Metropolitan established an SBE participation level of 20 percent. Tetra Design is an SBE firm and thus achieves 100 percent participation.

This project has been evaluated and recommended by Metropolitan's Capital Investment Plan Evaluation Team and funds have been included within the fiscal year 2006/07 capital budget. See [Attachment 1](#) for the Financial Statement, [Attachment 2](#) for the Abstract of Bids, [Attachment 3](#) for the Location Map, and [Attachment 4](#) for the Weymouth Plant Perimeter Landscaping Plan.

### ***Project Milestones***

April 2007 – Completion of Weymouth Perimeter Improvements Phase I

### **Policy**

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Metropolitan Water District Administrative Code Section 5108: Appropriations

Metropolitan Water District Administrative Code Section 8121: General Authority of Chief Executive Officer to Enter Contracts

### **California Environmental Quality Act (CEQA)**

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#### **Weymouth Perimeter Improvements Phase I – Construction**

CEQA determination for Option #1:

The environmental effects from the funding, designing, constructing, and operating of the Weymouth Perimeter Improvements Phase I were originally evaluated in the Final Environmental Impact Report (Final EIR) for the F. E. Weymouth Filtration Plant Ozonation Facilities and Site Improvements Program. The Final EIR was certified by the Board on April 12, 2005. The Board also approved the Findings of Fact (findings), the Statement of Overriding Considerations (SOC), and the Mitigation Monitoring and Reporting Program (MMRP). The current board actions are solely based on construction for the Weymouth Perimeter Improvements Phase I and not on any changes to the approved project itself. Hence, the previous environmental documentation acted on by the

Board in conjunction with the proposed action fully complies with CEQA and the State CEQA Guidelines. Accordingly, no further CEQA documentation is necessary for the Board to act on the proposed action.

The CEQA determination is: Determine that the proposed action has been previously addressed in the certified 2005 Final EIR, findings, SOC, and MMRP and that no further environmental analysis or documentation is required.

CEQA determination for Options #2 and #3:

None required

### **Technical Engineering Support – Amendment to Existing Agreement**

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA because it involves continuing administrative activities (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not subject to CEQA because it involves other government fiscal activities, which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines).

The CEQA determination is: Determine that the proposed action is not subject to the provisions of CEQA pursuant to Sections 15378(b)(2) and 15378(b)(4) of the State CEQA Guidelines.

CEQA determination for Options #2 and #3:

None required

## **Board Options**

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### **Option #1**

Adopt the CEQA determination and

- a. Appropriate \$3.31 million in budgeted funds;
- b. Award a \$2,648,710 contract to Pima Corporation dba Advanced Construction to construct Phase I of the Weymouth Perimeter Improvements; and
- c. Authorize an increase of \$28,000 to the existing agreement with Tetra Design, for a new not-to-exceed total of \$2.228 million.

**Fiscal Impact:** \$3.31 million of budgeted funds under Approp, 15369

**Business Analysis:** This option is consistent with the draft La Verne Area Master Plan and the Weymouth Master Site Plan, as approved by the city of La Verne.

### **Option #2**

- a. Do not award the construction contract and re-advertise in an attempt to receive more favorable bids; and
- b. Do not amend the existing agreement with Tetra Design.

**Fiscal Impact:** None

**Business Analysis:** This option will delay completion of Phase I of the Weymouth Perimeter Improvements and delay actions that would allow Metropolitan to be consistent with the draft La Verne Area Master Plan and the Weymouth Master Site Plan, as approved by the city of La Verne.

**Option #3**

- a. Do not proceed with the phased perimeter improvements; and
- b. Do not award the construction contract or amend the Tetra Design agreement.

**Fiscal Impact:** None

**Business Analysis:** Current landscaping will be unable to screen new planned facilities efficiently and plant security will not be enhanced. This option would not be consistent with the draft La Verne Area Master Plan or the Weymouth Master Site Plan, as approved by the city of La Verne.


**Staff Recommendation**

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Option #1

  
\_\_\_\_\_  
Roy L. Wolfe  
Manager, Corporate Resources

8/18/2006  
Date

  
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Jeffrey Knightlinger  
General Manager

8/23/2006  
Date

**Attachment 1 – Financial Statement**

**Attachment 2 – Abstract of Bids**

**Attachment 3 – Location Map**

**Attachment 4 – Weymouth Perimeter Landscaping Plan**

BLA #4266

**Financial Statement for Weymouth Water Treatment Plant Improvements Program**

A breakdown of Board Action No. 18 for Appropriation No. 15369 is as follows:

	<b>Previous Total Appropriated Amount (Sept. 2006)</b>	<b>Current Board Action No. 18 (Sept. 2006)</b>	<b>New Total Appropriated Amount</b>
Labor			
Studies and Investigations	\$ 1,065,477	\$ -	\$ 1,065,477
Final Design	752,000	-	752,000
Owner Costs (Program management, agency coordination)	2,193,000	155,000	2,348,000
Construction Inspection and Support	2,359,000	283,000	2,642,000
Metropolitan Force Construction	1,288,000	-	1,288,000
Materials and Supplies	991,000	-	991,000
Incidental Expenses	90,000	3,000	93,000
Professional/Technical Services	5,864,000	28,000	5,892,000
Contracts	24,446,735	2,648,710	27,095,445
Remaining Budget	5,821,788	192,290	6,014,078
<b>Total</b>	<b>\$ 44,871,000</b>	<b>\$ 3,310,000</b>	<b>\$ 48,181,000</b>

**Funding Request**

<b>Program Name:</b>	Weymouth Water Treatment Plant Improvements Program		
<b>Source of Funds:</b>	Revenue Bonds, Replacement and Refurbishment or General Funds		
<b>Appropriation No.:</b>	15369	<b>Board Action No.:</b>	18
<b>Requested Amount:</b>	\$ 3,310,000	<b>Capital Program No.:</b>	15369-I
<b>Total Appropriated Amount:</b>	\$ 48,181,000	<b>Capital Program Page No.:</b>	E-70
<b>Total Program Estimate:</b>	\$ 163,000,000	<b>Program Goal:</b>	I – Infrastructure Reliability

**The Metropolitan Water District of Southern California**

**Abstract of Bids Received on July 11, 2006 at 2:00 P.M.**

**Specifications No. 1546A**

**F. E. Weymouth Water Treatment Plant  
Perimeter Improvements Phase I**

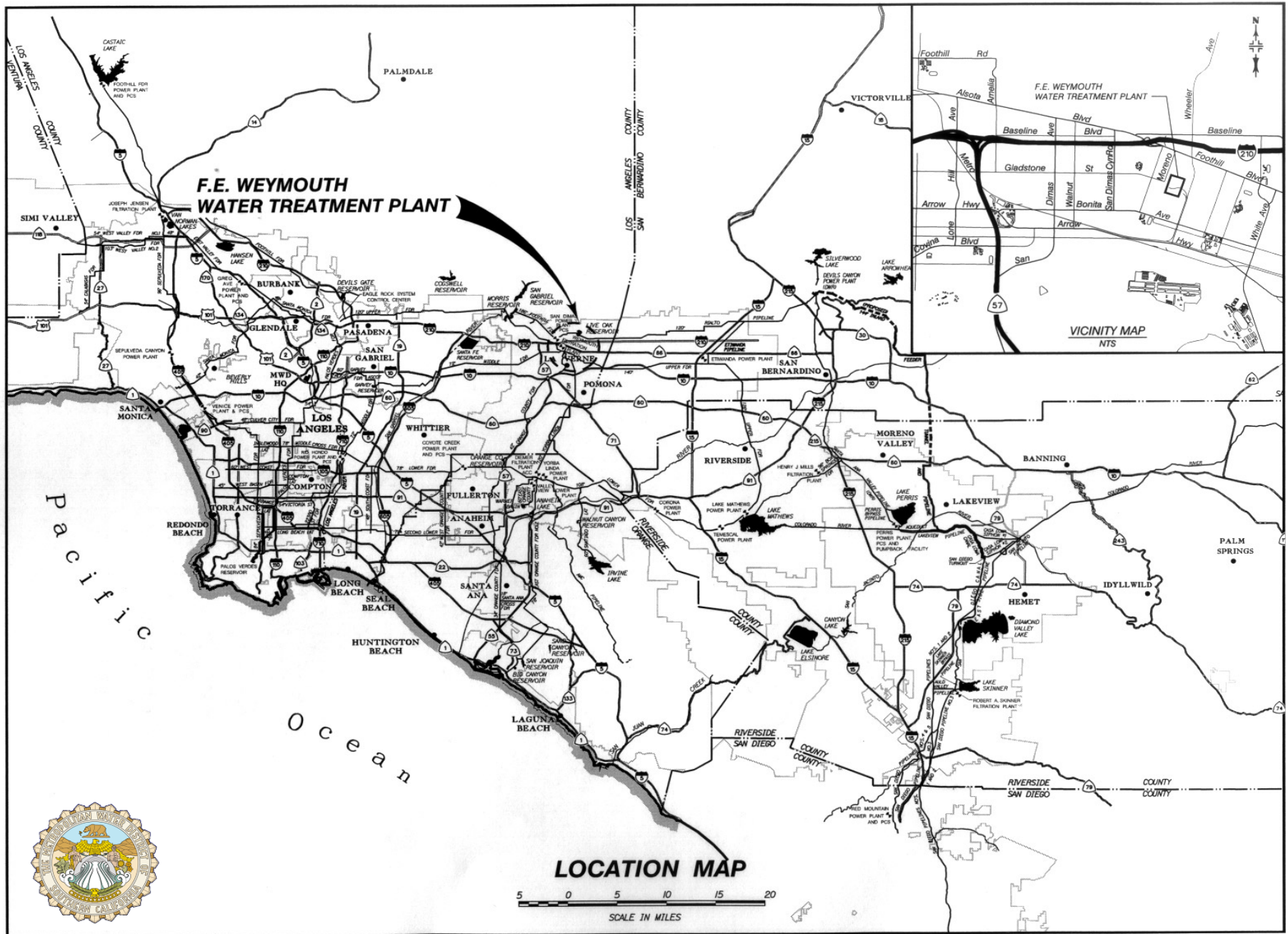
The project consists of the addition of landscaping and decorative security wall/fencing along the west side of the Weymouth plant, and construction of additional employee parking along Moreno and Sedalia Avenues.

**Engineer's Estimate: \$2,919,000**

<b>Bidder and Location</b>	<b>Total</b>	<b>SBE \$</b>	<b>SBE %</b>	<b>Met SBE*</b>
Sharma General Engineering Contractors, Inc., Moorpark, CA**	\$ 2,615,000	-	-	-
Pima Corporation dba Advanced Construction, Los Angeles, CA	\$ 2,648,710	\$ 2,648,710	100	YES
Brutoco Engineering & Construction, Inc., Fontana, CA	\$2,713,944	-	-	-






\*SBE (Small Business Enterprise) Participation set at 20 percent

\*\*Non-responsive bid



# Weymouth Perimeter Landscaping Plan



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|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|  Complete        |  Phase III - 2007 |
|  Phase I - 2007  |  Phase IV - 2009  |
|  Phase II - 2007 |                                                                                                      |