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DATE: July 12, 2006

TO: Honorable Mayor and City Councilmembers

FROM: Water Utilities Department

SUBJECT: **APPROVAL OF PLANS AND SPECIFICATIONS FOR THE WELLS 10 AND 11 RAW WATER PIPELINE**

### **SYNOPSIS**

Staff and the Utilities Commission recommend that the City Council approve the plans and specifications for the Wells 10 and 11 Raw Water Pipeline project, and authorize the Public Works Director to call for bids.

### **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 4, 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.

**FISCAL IMPACT**

In the adopted budget for Fiscal Year 2006-2007, City Council approved an appropriation of \$2,195,604 for the Mission Basin Groundwater Purification Facility Expansion. The engineer's estimate to construct the project is \$1,315,000, so adequate funds are available for the project.

**CITY ATTORNEY'S ANALYSIS**

The referenced documents have been reviewed by the City Attorney and approved as to form.

**INSURANCE REQUIREMENTS**

The City's standard insurance requirements will be met.

**COMMISSION OR COMMITTEE REPORT**

The Utilities Commission approved staffs recommendation at its June 20, 2006 commission meeting.

**RECOMMENDATIONS**

Staff and the Utilities Commission recommend that the City Council approve the plans and specifications for the Wells 10 and 11 Raw Water Pipeline project, and authorize the Public Works Director to call for bids.

PREPARED BY:

  
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Greg Blakely  
Administrative Manager

SUBMITTED BY:

  
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Barry E. Martin  
Interim City Manager

Exhibit A - Site Map

REVIEWED BY:

Michelle Skaggs Lawrence, Assistant to the City Manager

Lonnie Thibodeaux, Interim Water Utilities Director

  
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# Wells 10 and 11 with new 20 inch waterline

