

STAFF REPORT



ITEM NO. 8 CITY OF OCEANSIDE

DATE: November 15, 2006

TO: Honorable Mayor and Councilmembers

FROM: Water Utilities Department

SUBJECT: **RECOMMEND APPROVAL OF PLANS AND SPECIFICATIONS FOR THE WELL NO. 9 – PHASE 2 MECHANICAL IMPROVEMENTS**

SYNOPSIS

Staff and the Utilities Commission recommend that the City Council approve the plans and specifications for the Well No. 9 – Phase 2 Mechanical Improvements 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 project, accepted by 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 except for the production wells which, when drilled, did not produce sufficient quantities of water.

In October 1998, City Council authorized a joint participation agreement between the City of Oceanside, San Diego County Water Authority (SDCWA) and the Metropolitan Water District (MWD) for participation in the Groundwater Recovery Program (GRP). As part of the GRP study, SDCWA has drilled eleven exploratory wells to map the Basin for possible future use. As part of the drilling project, Oceanside had the SDCWA analyze up to five sites with an emphasis on three to 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, Well 9, being on the plant site. Well 9 was drilled by the SDCWA and during the test pumping produced up to 2,220 gallons per minute which is sufficient for delivery to the desalting facility. In order to utilize this new well, the City contracted to have the well head facility designed.

ANALYSIS

The City contracted with Infrastructure Engineering Corporation to prepare contract documents for the construction of Well Site No. 9. These contract documents include preparation of plans and specifications for the project. This includes grading, electrical/controls, piping, mechanical, structural, landscape and irrigation plans.

City staff in the Water Utilities Department completed the raw water pipeline and drain line for the project. Therefore, the only remaining underground work was minor grading and connection work. Now that this work is completed, the only facilities left to make the well head facility operational is the mechanical work. Therefore, the Phase 2 – mechanical improvements can be performed by one contractor specializing in mechanical piping/valving for well head facilities.

FISCAL IMPACT

In Fiscal Year 2005-2006, the Mission Basin Groundwater Purification Facility Expansion project (712.857426 and 715.857425) had a total of \$4,720,709 left to carry forward for Fiscal Year 2006-2007. The engineer’s estimate for the construction of Well No. 9 – Phase 2 – Mechanical Improvements is \$187,200. 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.

COMMISSION OR COMMITTEE REPORT

The Utilities Commission approved staff’s recommendation at its October 17, 2006 meeting.

RECOMMENDATIONS

Staff and the Utilities Commission recommend that the City Council approve the plans and specifications for the Well No. 9 – Phase 2 Mechanical Improvements project, and authorize the Public Works Director to call for bids.

PREPARED BY:



Greg Blakely
Administration Manager

SUBMITTED BY:



Barry E. Martin
Interim City Manager

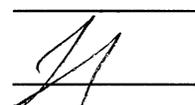
Attachment A: Site Map

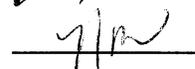
REVIEWED BY:

Michelle Skaggs Lawrence, Assistant to the City Manager

Lonnie Thibodeaux, Interim Water Utilities Director

Nita McKay, Financial Services Director





WELL SITE 9 - PHASE 2 MECHANICAL IMPROVEMENTS

