

# STAFF REPORT

DATE: November 10, 2008

TO: Water/Sewer Committee

FROM: Lonnie Thibodeaux, Water Utilities Director

SUBJECT: **RECOMMEND APPROVAL OF PLANS AND SPECIFICATIONS FOR THE WELL HEAD FACILITIES FOR WELLS 10 AND 11 LOCATED ADJACENT TO FIRESTATION 7, AUTHORIZATION FOR THE CITY ENGINEER TO CALL FOR BIDS; APPROVAL OF A PROFESSIONAL SERVICES AGREEMENT WITH INFRASTRUCTURE ENGINEERING CORPORATION IN THE AMOUNT OF \$77,481 FOR CONSTRUCTION PHASE SUPPORT SERVICES; AND AUTHORIZATION FOR THE CITY MANAGER TO EXECUTE THE AGREEMENT**

## **SYNOPSIS**

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve the plans and specification for the Well Head Facilities for Wells 10 and 11 project located adjacent to Fire Station 7 and authorization for the City Engineer to call for bids; approval of a professional services agreement with Infrastructure Engineering Corporation of Oceanside in the amount of \$77,481 for construction phase support services during construction, and authorization for the City Manager to execute the agreement.

## **BACKGROUND**

The Mission Basin Groundwater Purification Facility, located at 215 Fireside Drive, 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 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 satisfactory completed with the exception of the production wells, which when drilled did not produce sufficient quantities for production.

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 11 exploratory wells to map the Basin for possible future use. As part of the drilling project, Oceanside had the SDCWA analysis

up to five sites with an emphasis on three that can replace the poorly performing well sites 6, 7 & 8. Three of the sites are within a mile of the Mission basin groundwater Facility with one being on the plant site. Well site 9 at the plant site has been drilled by the SDCWA and during the test pumping produced up to 1,600 gallons per minute (gpm). The other two sites, well sites 10 and 11, adjacent to Fire Station 7 have recently been drilled by the SDCWA and test pumping indicates the two wells each produce 1,600 gpm (Exhibit A).

### **ANALYSIS**

To be able to use the newly drilled wells requires that wellhead facilities be constructed which will include piping, mechanical, electrical/controls, civil work and landscaping.

The design engineer, Infrastructure Engineering Corporation, who prepared the plans and specifications, will provide construction phase support services during construction. Construction phase support services include reviewing submittals for concurrence with plan specifications, requests for information and reviewing change orders.

### **FISCAL IMPACT**

The Mission Desalter Facility Expansion fund has a balance of \$3,279,235. The engineers estimate for the well head facilities is \$2,100,000 plus the construction phase support services cost of \$77,481. Therefore, adequate funds are available for the project.

### **CITY ATTORNEY'S ANALYSIS**

The documents are being reviewed by the City Attorney's office.

### **INSURANCE REQUIREMENTS**

The City's standard insurance requirements will be met.

### **COMMISSION OR COMMITTEE REPORT**

Does not apply.

## **RECOMMENDATIONS**

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve the plans and specification for the Well Head Facilities for Wells 10 and 11 project located adjacent to Fire Station 7 and authorization for the City Engineer to call for bids; approval of a professional services agreement with Infrastructure Engineering Corporation of Oceanside in the amount of \$77,481 for construction phase support services during construction, and authorization for the City Manager to execute the agreement.

PREPARED BY:

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Greg Blakely  
Administration Manager

Exhibit A: Site Map

# STAFF REPORT

DATE: November 10, 2008

TO: Water/Sewer Committee

FROM: Lonnie Thibodeaux, Water Utilities Director

SUBJECT: **APPROVAL OF A PROFESSIONAL SERVICES AGREEMENT WITH MADDAUS WATER MANAGEMENT IN THE AMOUNT OF \$125,000 TO PREPARE THE OCEANSIDE WATER CONSERVATION MASTER PLAN**

## **SYNOPSIS**

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve a professional services agreement with Maddaus Water Management of Alamo, California, in the amount of \$125,000 to prepare the Oceanside Water Conservation Master Plan, and authorize the City Manager to execute the agreement.

## **BACKGROUND**

The City Council approved the Integrated Water Utilities Master Plan (IWUMP) on July 9, 2008. The water supply analysis in the IWUMP included a section on water conservation that detailed Oceanside's current and proposed future water conservation measures. Since the City's water conservation program was analyzed in the IWUMP, severe drought and court-ordered pumping restrictions have caused California's water supply to drop to historic low levels. Water Utilities staff was directed to prepare a more comprehensive water conservation master plan in response to the existing drought that will probably cause mandatory water restrictions as early as 2009 and to ongoing limitations on future water supply.

## **ANALYSIS**

The water supply outlook for the San Diego region has worsened since the IWUMP was adopted. The City Council adopted a Drought Response Conservation ordinance on July 9, 2008 that establishes four levels of drought conditions with increasing water use restrictions. The Water Conservation Master Plan is intended to develop measures that will achieve water conservation goals and comply with best management practices during the drought and in more normal water supply years.

A request for proposal was sent out in September to six consultants (Exhibit B). On October 30, 2008, proposals were received from two of the solicited consultants. In accordance with the City's procedure, a panel was selected to evaluate the proposals. The panel recommended that the proposal in an amount not to exceed \$125,000 from Maddaus Water Management (MWM) be selected. MWM has prepared several water conservation plans for cities and water agencies

in California and other states. MWM was also the sub-contractor that prepared the water conservation section in the City's IWUMP.

**FISCAL IMPACT**

In the adopted budget for FY 08-09, City Council approved a carry forward of \$1,085,007 in the Miscellaneous Water Projects budget (712.858240.5241). There are budgeted funds for the project.

**COMMISSION OR COMMITTEE REPORT**

Does not apply.

**CITY ATTORNEY'S ANALYSIS**

The referenced documents are being reviewed by the City Attorney's office.

**RECOMMENDATION**

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve a professional services agreement with Maddaus Water Management of Alamo, California, in the amount of \$125,000 to prepare the Oceanside Water Conservation Master Plan, and authorize the City Manager to execute the agreement.

PREPARED BY:

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Greg Blakely  
Administration Manager

Exhibit A – Request for proposal mailing list

# STAFF REPORT

DATE: November 10, 2008

TO: Water/Sewer Committee

FROM: Lonnie Thibodeaux, Water Utilities Director

SUBJECT: **RECOMMEND ADOPTION OF THE CALIFORNIA ENVIRONMENTAL QUALITY ACT NOTICE OF EXEMPTION, APPROVAL OF PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF THE ST. MALO SEWER REPLACEMENT PROJECT; AND AUTHORIZATION FOR THE CITY ENGINEER TO CALL FOR BIDS**

## **SYNOPSIS**

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommends that the City Council adopt the California Environmental Quality Act Notice of Exemption (CEQA), approve the plans and specifications for construction of the St. Malo Sewer Replacement Project; and authorization for the City Engineer to call for bids.

## **BACKGROUND**

A portion of the existing St. Malo Sewer system (Exhibit A) has been identified for immediate replacement. The cast iron pipe was originally installed in the mid 1960's; this sewer segment has reached and exceeded its useful lifespan.

Several residential backups and subsequent investigations have determined that this segment needs to be replaced in order to avoid future spills and backups. This segment is entirely within the residential streets in the St. Malo Subdivision and services the entire development.

## **ANALYSIS**

The project will consist of replacement of 488 linear feet of cast iron pipe with polyvinylchloride pipe starting at Eaton Street and Pacific Street proceeding into the St. Malo subdivision. Staff estimates that the construction timeframe for replacement of the pipe will take approximately two months and will be completed during the winter off season to minimize the impact to residences.

The plans and specifications are available for review in the City Engineer's and the City Managers office. The project has been reviewed for compliance with the CEQA requirements. On July 24, 2008, a Notice of Exemption was issued by the City of Oceanside Planning Department (Exhibit B).

**FISCAL IMPACT**

The Miscellaneous Sewer Projects fund (722.869780) has a balance of \$1,360,105. The engineers estimate for the construction of the St. Malo Sewer Replacement project is \$203,000. There are adequate funds available for the project.

**CITY ATTORNEY’S ANALYSIS**

The documents are being reviewed by the City Attorney.

**INSURANCE REQUIREMENTS**

The City’s standard insurance requirements will be met.

**COMMISSION OR COMMITTEE REPORT**

Does not apply.

**RECOMMENDATIONS**

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommends that the City Council adopt the California Environmental Quality Act Notice of Exemption (CEQA), approve the plans and specifications for construction of the St. Malo Sewer Replacement Project; and authorization for the City Engineer to call for bids.

PREPARED BY:

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Greg Blakely  
Administration Manager

- Exhibit A: Site Map
- Exhibit B: CEQA Notice of Exemption