

# STAFF REPORT

DATE: April 24, 2008

TO: Utilities Commission

FROM: Lonnie Thibodeaux, Water Utilities Director

SUBJECT: **RECOMMEND APPROVAL OF PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF THE MESA-GARRISON SEWER FORCE MAIN PROJECT, LOCATED FROM GARRISON AND MESA DRIVE TO EL CAMINO REAL AND OCEANSIDE BOULEVARD, AND AUTHORIZATION FOR THE CITY ENGINEER TO CALL FOR BIDS FOR THE PROJECT**

## **SYNOPSIS**

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve the plans and specifications for construction of the Mesa-Garrison Sewer Force Main project; and authorization for the City Engineer to call for bids.

## **BACKGROUND**

Sewage flows from Mesa Drive and Oceanside Boulevard east of El Camino Real combine with flows from the Buena Vista Lift Station (BVLS) to form what is called the Mesa/Garrison Area Sewer System in the Wastewater Master Plan. The 24-inch gravity sewer main that handles the flows is above capacity during wet-weather flows and experiences chronic surcharging in a shallow manhole at the Mesa/Garrison intersection.

One method of eliminating the surcharging of the 24-inch gravity sewer main was to remove the BVLS flow. Tetra Tech, Inc. of Oceanside, California, designed a new force main that connects the Buena Vista Force Main (BVFM) in the El Camino Real/Oceanside Boulevard intersection to a 42-inch pressure pipe in the Mesa Drive/Garrison Street intersection (Exhibit A). When the new force main is constructed the BVLS flow will be diverted from the 24-inch gravity sewer to the 42-inch pressure pipe which will eliminate the surcharging in the shallow manhole at the Mesa/Garrison intersection.

The project consists of installing approximately 2,628 linear feet of force main via the conventional open trench method of construction and installing 44 linear feet of force main inside of a 48-inch steel sleeve by the bore-and-jack method of construction under two 72-inch storm drain pipes just south of Mesa Drive in El Camino Real. The

connections to the BVFM in the Oceanside Boulevard/El Camino Real intersection and to the 42-inch pressure pipe in the Mesa/Garrison intersection will also be constructed.

### **ANALYSIS**

Staff estimates that the construction of the Mesa-Garrison Sewer Force Main will take approximately 200 calendar days.

The plans and specifications are available for review in the Water Utilities Department.

This project is exempt from the California Environmental Quality Act requirements.

### **FISCAL IMPACT**

In Fiscal Year 2007-2008, there was a carry forward of \$1,634,475 for the Mesa/Garrison 42-inch Gravity Sewer project (726.865666). The engineer's estimate for total project construction is \$1,456,070. Therefore, adequate funds are available for the project.

### **INSURANCE REQUIREMENTS**

The City's standard insurance requirements will be met.

### **COMMISSION OR COMMITTEE REPORT**

The Water/Sewer Committee approved staff's recommendation at its regularly scheduled meeting on April 8, 2008.

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

The documents are being reviewed by the City Attorney.

### **RECOMMENDATIONS**

Staff and the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve the plans and specifications for construction of the Mesa-Garrison Sewer Force Main project; and authorization for the City Engineer to call for bids.

PREPARED BY:

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Greg Blakely  
Administration Manager

Exhibit A – Location Map