

# STAFF REPORT



ITEM NO. 6  
CITY OF OCEANSIDE

DATE: August 20, 2008  
TO: Honorable Mayor and City Council Members  
FROM: Water Utilities Department  
SUBJECT: **APPROVAL OF PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF THE PEACOCK HILLS SERVICE AREA REGULATING STATION PROJECT AND AUTHORIZATION FOR THE CITY ENGINEER TO CALL FOR BIDS**

## **SYNOPSIS**

Staff and the Utilities Commission recommend that the City Council approve the plans and specifications for construction of the Peacock Hills Service Area Regulating Station project, and authorize the City Engineer to call for bids.

## **BACKGROUND**

The Peacock Hills Service Area Pressure Regulating Station (Station) is located on the east side of the City's Guajome Reservoir site at 1398 Temple Heights Drive (Exhibit A). The purpose of the Station is to reduce pressure in the aqueducts prior to discharging into the two reservoirs and to maintain minimum pressure to the Peacock Hills Service Area. This Station was constructed in 1978 and houses the City's number 2 and number 3 aqueducts, which are both 24-inch steel pipelines. The aqueducts originate at the Weese Filtration Plant and terminate at the two Guajome Reservoirs. Outside of the east side of the Station is a 12-inch pipeline that comes from both aqueducts and serves the Peacock Hills area.

The Station is undersized, inadequately ventilated, poorly lit, and has no facilities such as stairs, landings, or lifting devices to facilitate proper maintenance. It is difficult for staff to access and maintain. The facility needs to be expanded and upgraded to current regulations. Furthermore, the steel pipes that are inside and outside of the Station have extensive metal surface loss and pitting and need to be replaced.

## **ANALYSIS**

The Peacock Hills Service Area Regulating Station was designed by DBE-Psomas, of Carlsbad, California. The project consists of installing a new pressure regulating station facility. The work generally includes furnishing labor, equipment, materials, and services to construct an aboveground concrete masonry unit building on a belowground reinforced concrete slab and wall structure to house pipe lines, telemetry (SCADA)

equipment, electrical and instrumentation equipment, CLA-VAL regulating valves, butterfly and gate valves, air and vacuum valves, manual air release valves, bridge and jib cranes, and other appurtenances. The pipeline work includes installation and testing CML&C steel pipe and fabricated steel fittings and connections to the existing City of Oceanside facilities. The work also includes upgrading the existing pressure regulating vault and converting it into a meter vault facility including magnetic flow meters, valves, electrical upgrades, and roof and wall retrofits. Other items of work include by-pass piping and appurtenances, grading, trench and structure excavation and backfill, site improvements, and excavation safety measures.

Staff estimates that the construction of the Peacock Hills Service Area Regulating Station will take approximately 420 calendar days. The plans and specifications are available for review in the Water Utilities Department. The project is exempt from California Environmental Quality Act requirements.

### **FISCAL IMPACT**

The Peacock Hills Service Area Pressure Regulating Station project (712.857422) has \$1,189,834 available FY 2007-08 carry forward. \$350,000 in FY 2007-08 carry forward funds will be transferred from the San Luis Rey Waste Water Treatment Plant Water Reclamation project (712.858241.5701) to the Peacock Hills Area Pressure Regulating Station project (712.857422.5701). The engineer's estimate for the total project construction is \$1,308,000. Therefore, adequate funds are available for the project.

### **INSURANCE REQUIREMENTS**

The City's insurance requirements will be met.

### **COMMISSION OR COMMITTEE REPORT**

The Utilities Commission approved staff's recommendation at its regularly scheduled meeting on July 15, 2008.

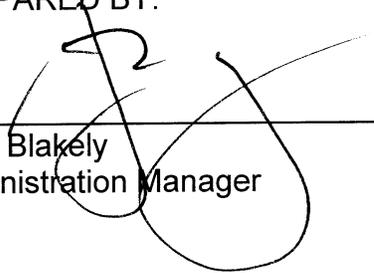
### **CITY ATTORNEY'S ANALYSIS**

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

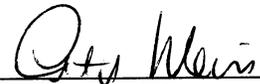
**RECOMMENDATIONS**

Staff and the Utilities Commission recommend that the City Council approve the plans and specifications for construction of the Peacock Hills Service Area Regulating Station project, and authorize the City Engineer to call for bids.

PREPARED BY:

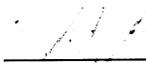
  
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Greg Blakely  
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SUBMITTED BY:

  
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Peter A. Weiss  
City Manager

REVIEWED BY:

Michelle Skaggs Lawrence, Deputy City Manager

  
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 Lonnie Thibodeaux, Water Utilities Director

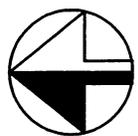
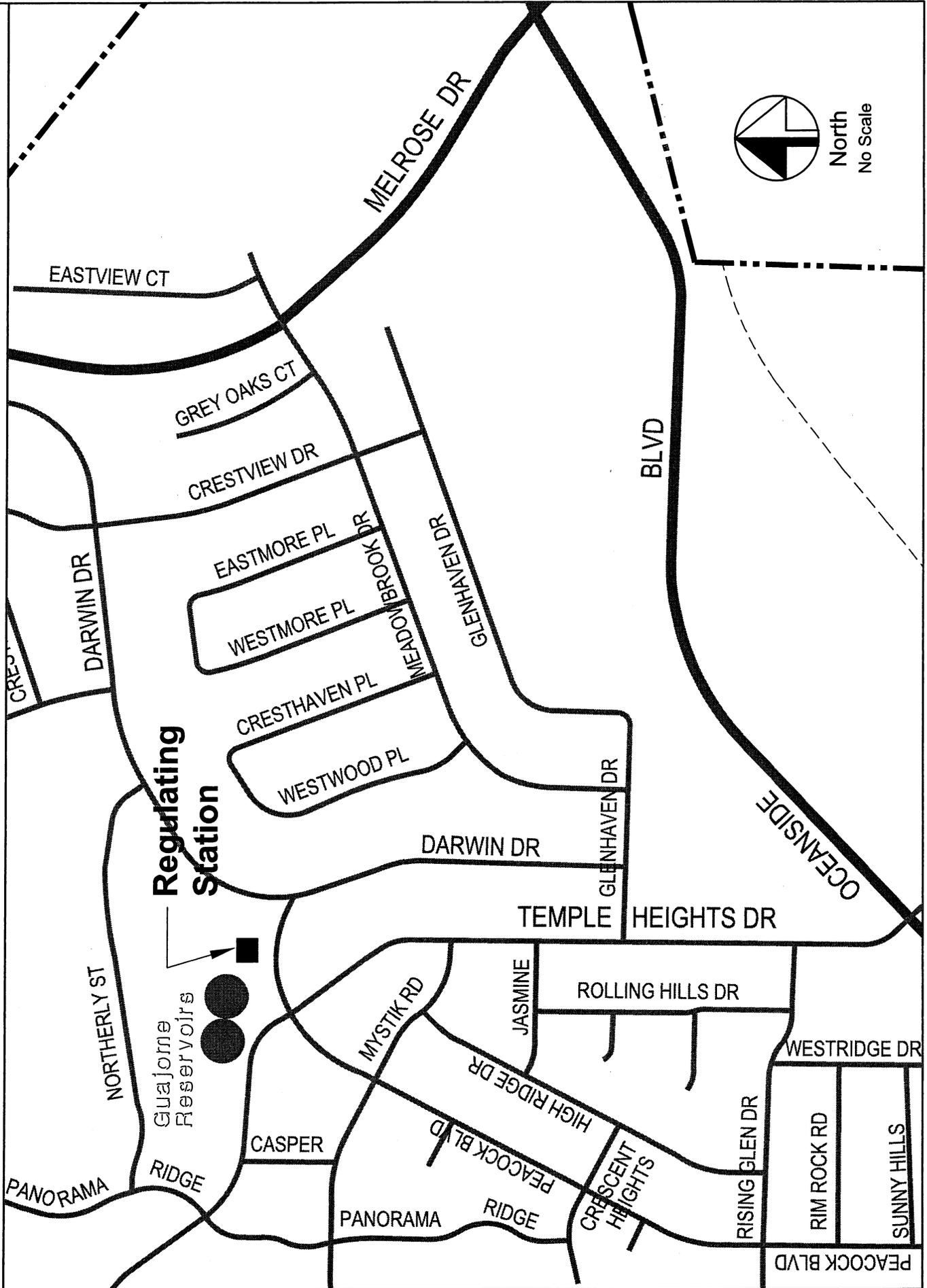
  
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Teri Ferro, Financial Services Director

  
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Exhibit A: Site Map

# Peacock Hills Service Area Regulating Station



North  
No Scale