



AGENDA
ITEM 4j
DATE 3-23-09

City Council Report

Date: March 23, 2009
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Elizabeth Huning, City Engineer
Subject: Desert Well No. 11 (10940 E. Pecos Road)
Electrical Improvements and Security Enhancements
Project No. 03-002-002
City Council District No. 6

Purpose and Recommendation

The purpose of this report is to provide information to the Council on bids received for Project No. 03-002-002, Desert Well No. 11, Electrical Improvements and Security Enhancements, 10940 E. Pecos Road. It is recommended that Council award this project to the low bidder, W. E. O'Neil Construction Company of Arizona, for a total award amount of \$364,331.48.

Background

The City of Mesa maintains and operates numerous groundwater wells to provide drinking water for Mesa citizens. Desert Well No. 11 is located on Pecos Road near Mountain Road, in a relatively remote and less populated portion of the City. See the attached Exhibit "A", Project Location Map, for the location of this well site. The well at this site was originally drilled in 2000 and equipped with a pump in 2002, but has been out of service for the past two years due to thefts and vandalism at the site.

Electrical components, metals, and wiring have been stolen from the property for the metal re-sale value, resulting in the well being inoperable. The thefts have occurred on multiple occasions. Desert Well No. 11 is a critical water supply facility and is used to meet peak water demands during the summer months and during water treatment plant outages. The well site needs to be secured to protect the City's investment and ensure that this water supply is operational.

Discussion

This project will completely rebuild the electrical system, chlorination system, and process controls for this site, so that the well is fully functional. This project will also replace the existing chain link fence with an 8-foot. high masonry block wall with security top, and the chain link gates will be replaced with wrought iron gates. A security camera system will be installed to monitor the site and relay intrusion alarms back to the Utilities Control Center.

Community Impact – This project will result in an improved water system to service the Desert Wells water pressure zone. Temporary impacts are anticipated to include construction noise and dust, and temporary traffic restrictions. Once work is started, the project is anticipated to be complete in ninety (90) calendar days.

Alternatives

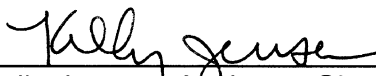
An alternative to the project would be to defer these improvements to a later date. This is not recommended because it would remove this well from the City's water portfolio and decrease the reliability of the City's potable water system, with significant impacts to the water supply in the southeast part of the City.

Fiscal Impact


The recommended total award amount for this project is \$364,331.48, based on the low bid of \$331,210.44 plus an additional \$33,121.04 (10% allowance for change orders). Funding is available from the approved FY 2008/09 Water Bond Program.

Coordinated With

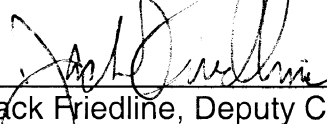
The Water Resources Department concurs with this recommendation.



Kelly Jensen, Assistant City Engineer



Elizabeth Huning, City Engineer

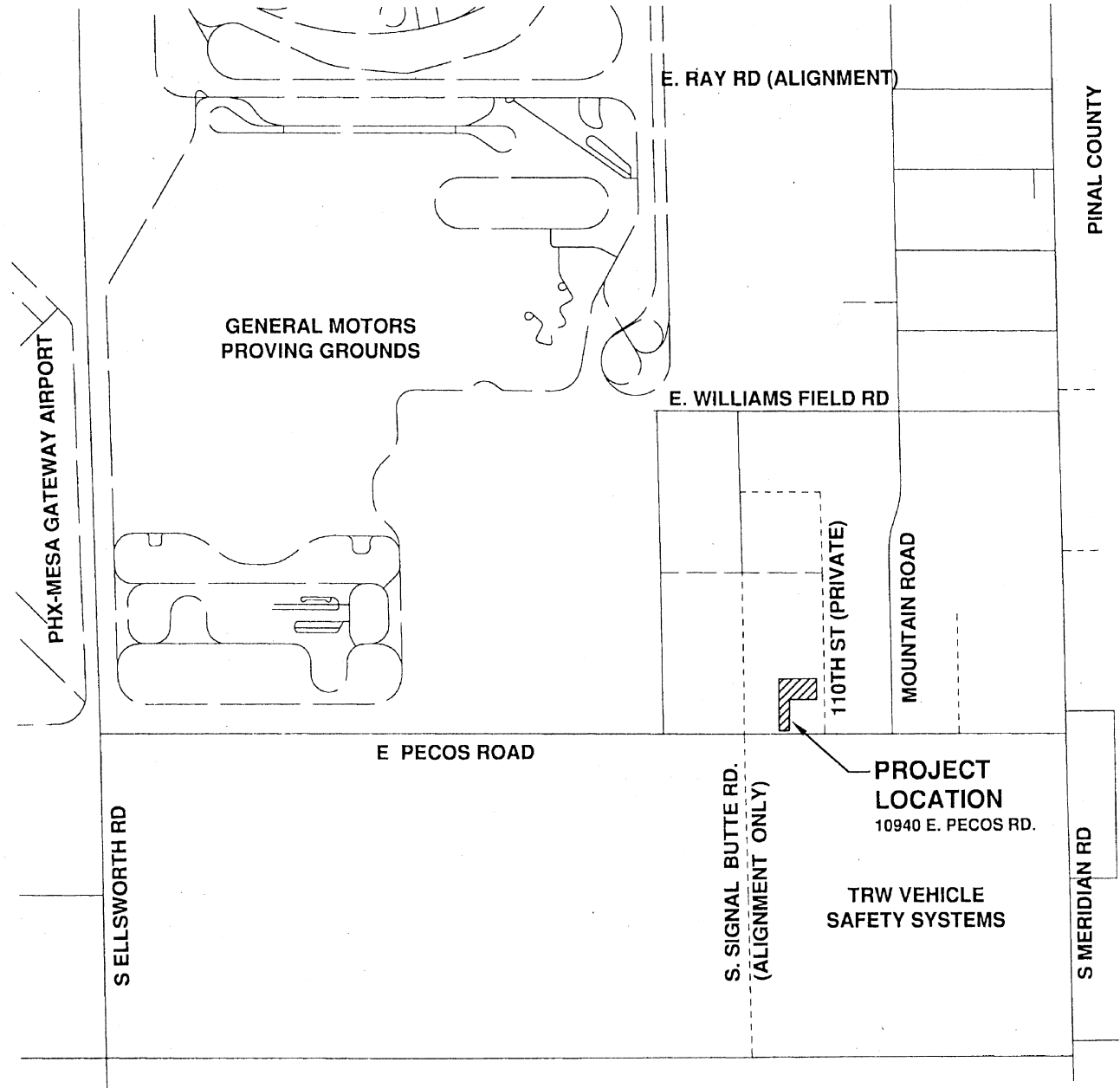


Jack Friedline, Deputy City Manager



mesa·az

EXHIBIT "A"



I:\03-002-002 SECURITY ENHANCEMENTS AT DESERT WELL #11\CAD\COUNCIL MAP.DWG

PROJECT LOCATION MAP
DESERT WELL NO. 11-ELECTRICAL IMPROVEMENTS
AND SECURITY ENHANCEMENTS
10940 E. PECOS ROAD
PROJECT NO. 03-002-002



Budget Information:
FY 08/09 Water Bond Program

CITY OF MESA
MESA, ARIZONA

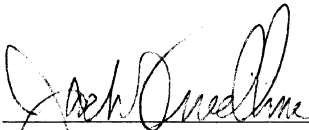
DESERT WELLS NO. 11 ELECTRICAL IMPROVEMENTS AND SECURITY
ENHANCEMENTS, 10940 E. PECOS RD.

PROJECT NO. 03-002-002

Tabulation of Bids Received, Thursday, February 19, 2009, at 1:00 P.M.

ENGINEER'S ESTIMATE	\$586,150.00
1. W.E. O'Neil Construction Company of Arizona	\$331,210.44
2. Spire Engineering LLC	\$364,500.00
3. Weber Group LC	\$365,375.75
4. Tackett Construction Inc	\$369,990.00
5. Prime Contracting LLC	\$397,531.00
6. Norquay Construction Inc	\$402,880.00
7. Felix Construction Company	\$405,057.50
8. Currier Construction Inc.	\$420,660.00

Recommend award to low bidder, W.E. O'Neil Construction Company of Arizona, in the amount of \$331,210.44 plus an additional \$33,121.04 (10% allowance for change orders) for a total award of \$364,331.48.



Jack Friedline
Deputy City Manager