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12-1-09

City Council Report

Date: December 7, 2009
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Beth Huning, City Engineer
Subject: Southeast Water Reclamation Plant Ground Fault System Installation,
City Project 08-003-001
Council District 6

**Strategic
Initiatives**



Purpose and Recommendation

The purpose of this report is to provide information to the Council on the results of the bids received for the Southeast Water Reclamation Plant (SEWRP) Ground Fault System Installation, located at the 6308 E. Baseline Road (See Exhibit A for the project location).

Staff recommends that Council award this project to the low bidder, JK Communication and Construction, Inc. dba Kleven Construction, for a total award amount of \$39,772.70.

Background

There is an existing standby power system at the SEWRP that powers the plant in the event of an interruption in the Salt River Project (SRP) electrical feed for the plant. When SRP power is restored, the standby power system continues to run in parallel with the SRP power for a short period of time, thereby eliminating the need to shut down and re-start all of the plant equipment when transferring back to SRP power. In order to operate in this mode, our service agreement with SRP requires that protective devices be installed on the plant's electric equipment to prevent the standby generators from back feeding SRP's system to protect their workers from injury.

Discussion

This project provides the transformers and relays necessary to detect a ground fault on SRP's system and disconnect the SEWRP plant from the SRP grid if this condition occurs.

Community Impact – The project will occur within the limits of the plant site and will have minimal, if any, impact on the public. The plant will remain in operation throughout the project. Once started, all construction is anticipated to be completed within 14 calendar days.

Alternatives

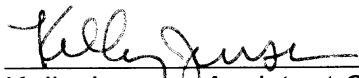
One option is to not approve this project, which would result in a violation of the signed SRP agreement, and would be an operational and safety hazard. This is not recommended.

Fiscal Impact

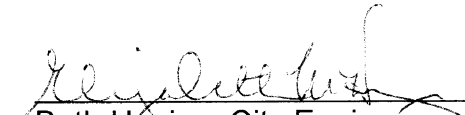
The recommended total award amount for this project is \$39,772.70 based on the low bid amount of \$36,157.00 plus an additional \$3,615.70 (10% allowance for change orders). Funding is available from the adopted FY09-10 Wastewater Capital Bond Program.

Coordinated With

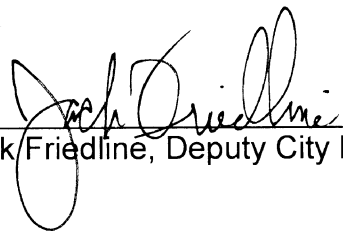
The Water Resources Department concurs with the recommendation.



Kelly Jensen, Assistant City Engineer



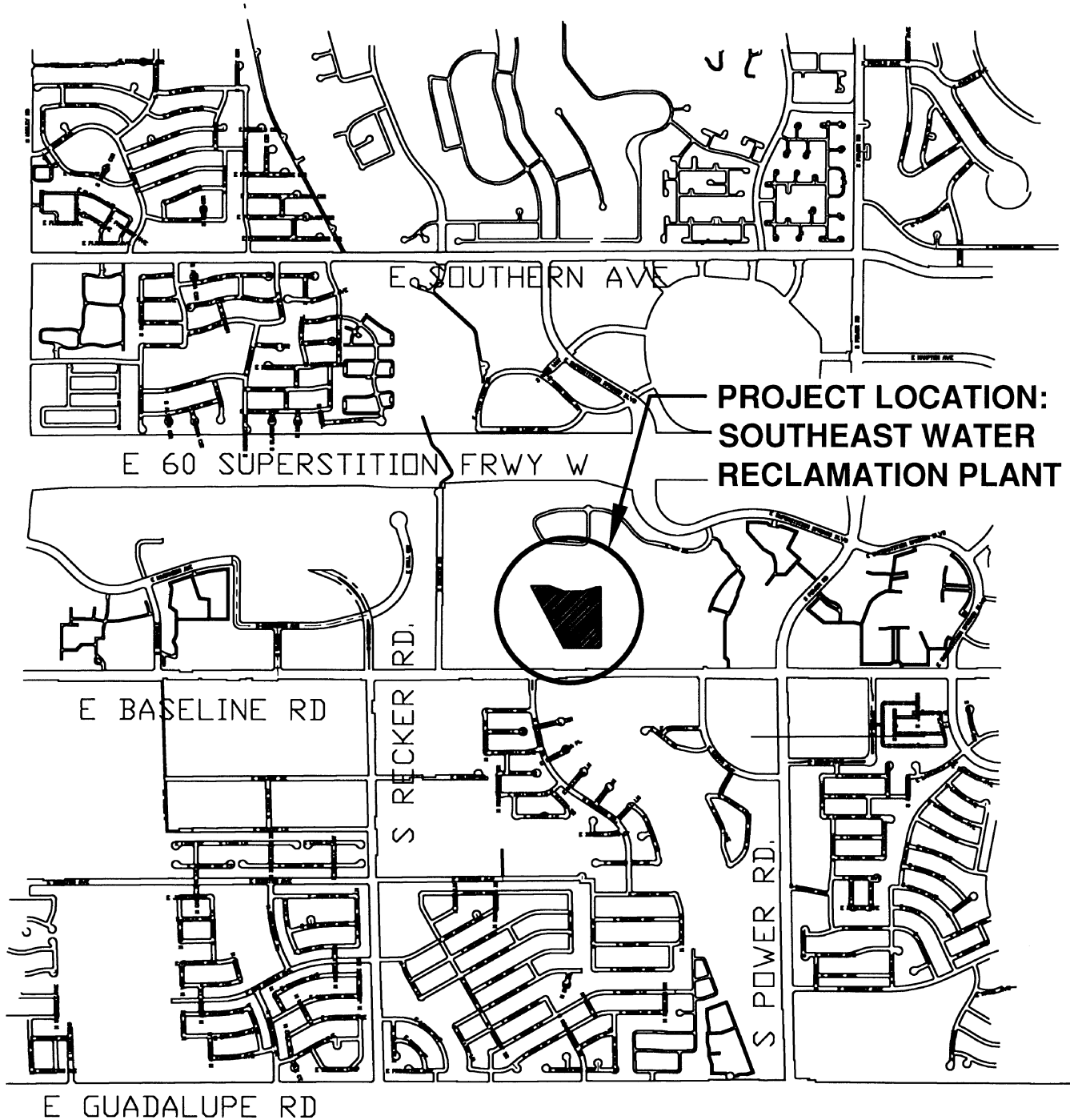
Beth Huning, City Engineer



Jack Friedline, Deputy City Manager



EXHIBIT "A"



**SOUTHEAST WATER RECLAMATION PLANT
GROUND FAULT SYSTEM INSTALLATION
6308 E BASELINE RD.
PROJECT NO. 08-003-001**



CITY OF MESA
MESA, ARIZONA

Southeast Water Reclamation Plant Ground Fault System Installation

PROJECT NO. 08-003-001

Tabulation of Bids Received, Thursday, October 29, 2009, at 1:00 P.M.

ENGINEER'S ESTIMATE	\$34,000.00
1. JK Comm. and Construction, dba Kleven Construction	\$36,157.00
2. ESS International Corporation	\$59,870.00