



City Council Report

Date: May 4, 2009
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Elizabeth Huning, City Engineer
Subject: Water Line & Gas Line Replacement
9th Place – Country Club Drive to Center Street
City of Mesa Project No. 01-557-005
Council Districts No. 1 and No. 4

Purpose and Recommendation

The purpose of this report is to provide information to the Council on the results of the bids received for Project No. 01-557-005, Water Line & Gas Line Replacement, 9th Place – Country Club Drive to Center Street, (See Exhibit “A” for project location).

It is recommended that the Council award this project to the low bidder, RBG/ERU Joint Venture for a total award of \$562,320.00.

Background

In April of 2008, the City’s Water Resources Department created a prioritized list of water mains that must be replaced. The size, age, service history, and pipe material were all analyzed to establish which lines should be replaced first. The water main in 9th Place from Country Club Drive to Center Street was selected as a priority for replacement. When replacing mains, the age and condition of other adjacent City utilities are considered because it is more economical to replace them at the same time. In this case, the adjacent gas main also needs to be replaced.

Community Impact – Temporary impacts to the area will include construction noise, dust, traffic restrictions, and temporary water and gas service interruption (for a maximum of four hours). Once work is started, project completion is anticipated within ninety (90) calendar days.

Discussion

The existing water main on 9th Place is 4-inch diameter cast iron pipe (CIP) constructed in 1964 from Country Club Drive to Grand Street and 6-inch diameter CIP constructed in 1953 from Grand to Center Street. The current City Standard is 8-inch minimum diameter for water mains. The small size of the existing water main, plus it’s age and service history made it a replacement priority.

This project will replace these existing mains with 3,900 linear feet of new 8-inch diameter ductile iron pipe (DIP). The new water line will provide reliable water service to City customers on 9th Place. This project will also replace all existing 85 water meters, water services and fire hydrants to comply with City standards.

The existing gas main in this area is 2-inch diameter steel pipe constructed in 1964 from Country Club Drive to Grand Street, and 1.5-inch diameter steel pipe constructed in 1940 and 1946 from Grand to Country Club. These lines have exceeded their design life and are recommended for replacement in a joint trench with the water main to take advantage of reduced trench and pavement replacement costs.

Alternatives

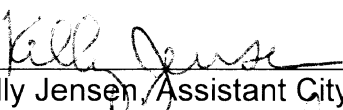
An alternative would be to not proceed with this project and not replace the aging water and gas infrastructure. This is not recommended, since the water mains in this area are undersized, susceptible to water main breaks, water service disruptions, and the water main and gas line has reached the end of their useful life.

Fiscal Impact

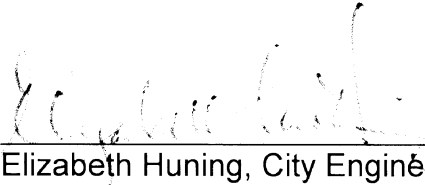
The recommended total award of this project is \$562,320.00, which consists of a low bid of \$511,200.00 plus an additional \$51,120.00 (10% allowance for change orders). This project is funded from the FY 08/09 Water and Gas Bond Capital Programs.

Coordinated With

The Water Resources Department concurs with this recommendation.



Kelly Jensen, Assistant City Engineer



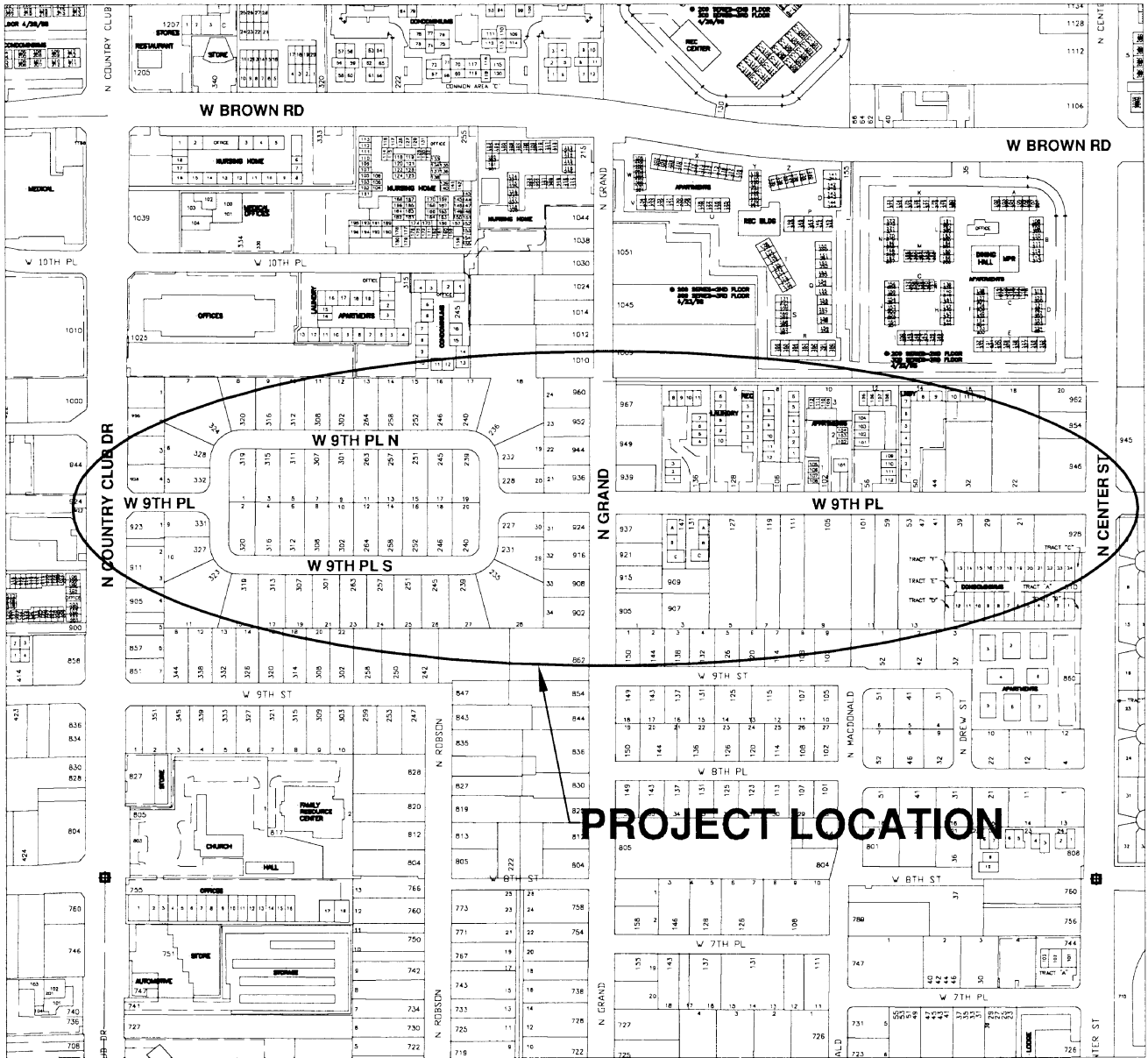
Elizabeth Huning, City Engineer



Jack Friedline, Deputy City Manager



EXHIBIT "A"



PROJECT LOCATION MAP WATER LINE & GAS LINE REPLACEMENT 9th PLACE COUNTRY CLUB DR. TO CENTER ST PROJECT NO. 01-557-005



Budget Information:
FY 08/09 Water and Gas Bond Capital Programs

CITY OF MESA
MESA, ARIZONA

WATER LINE AND GAS LINE REPLACEMENT, 9TH PLACE,
COUNTRY CLUB DRIVE TO CENTER STREET

PROJECT NO. 01-557-005

Tabulation of Bids Received, Thursday, March 19, 2009, at 1:30 P.M.

ENGINEER'S ESTIMATE	\$594,850.00
1. RBG/ERU Joint Venture	\$511,200.00
2. Spire Engineering LLC	\$542,595.00
3. Sahuaro Pipeline Corporation	\$587,314.00
4. Northern Pipeline Construction Company	\$597,787.00
5. Visus Engineering Construction Inc.	\$610,060.00
6. Summit Builders	\$623,317.72
7. Pierson Construction Corporation	\$640,555.00
8. Kelco Contracting LLC	\$654,530.00
9. B and F Contracting Inc.	\$666,925.00
10. Standard Construction Company Inc.	\$687,810.00
11. Petra Contracting	\$704,496.50
12. Arizona Pipeline Company	\$869,951.00
13. T and T Construction Inc.	\$889,065.00

PDI Construction – Not Read – Did not acknowledge addenda

Recommend award to low bidder, RBG/ERU Joint Venture, in the amount of \$511,200.00 plus an additional \$51,120.00 (10% allowance for change orders) for a total award of \$562,320.00.



Jack Friedline
Deputy City Manager