



City Council Report

AGENDA
ITEM 6f
DATE 9-14-09

Date: September 14, 2009
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Elizabeth Huning, City Engineer
Subject: Waterline Replacement at Various Locations
Project No. 01-557-007
Council Districts 5 and 6

Strategic Initiatives



Purpose and Recommendation

The purpose of this report is to provide information to the Council on the bids received for the Waterline Replacement at Various Locations, near Main and Power and Main and Crismon (See Exhibit "A").

It is recommended that Council award this project to the low bidder, G & G Construction Company for a total award of \$193,451.23.

Background

The City's Water Resources Department has created a prioritized list of aging water mains that require replacement due to their size, age, service history and pipe material, which were all analyzed to establish their respective replacement priority. The water main in Crismon Road from Main Street to Wood Avenue and a small portion of the water main in the Power Road at Main Street were selected as the highest priorities for this project.

Community Impact – Temporary impacts to the area will include construction noise, dust, temporary traffic restrictions, and possible water service interruptions for a maximum of four hours. The project is anticipated to be completed within forty-five (45) calendar days.

Discussion

The existing water main in Crismon Road is an 8-inch diameter water main and the ownership and maintenance of this line was accepted by the City in 1995 when we acquired the Desert Sage Water Company. The date of installation of the waterline is unknown, but the line is becoming increasingly susceptible to breaks and has a high repair history. The replacement line will be upgraded to a 12-inch diameter since this

the standard size for water mains within arterial streets.

The water main at the intersection of Power Road and Main Street is constructed with a mix of sizes, materials, and unknown installation dates. This main is also very difficult to service since it is located within an easement on private property that has walls and modular building encroachments and restricted access. This project will abandon the old waterline within the easement and install a new main in Power Road from Main Street to Sunaire. The total length of waterline to be installed is approximately 2,300 linear feet.

Alternatives

An alternative would be to not proceed with this project and not replace the aging water infrastructure. This is not recommended since the water mains in this area are susceptible to water main breaks, water service disruptions, and are in locations very difficult to service.

Fiscal Impact

The recommended total award of this project is \$193,451.23, which consists of a low bid of \$175,864.75 plus an additional \$17,564.48 (10% allowance for change orders). This project is funded from the approved FY 09/10 Water Bond Capital Program.

Coordinated With

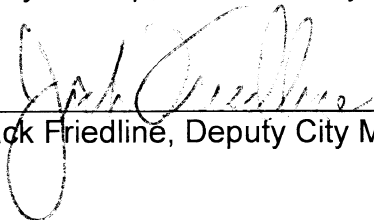
The Water Resources Department concurs with this recommendation:



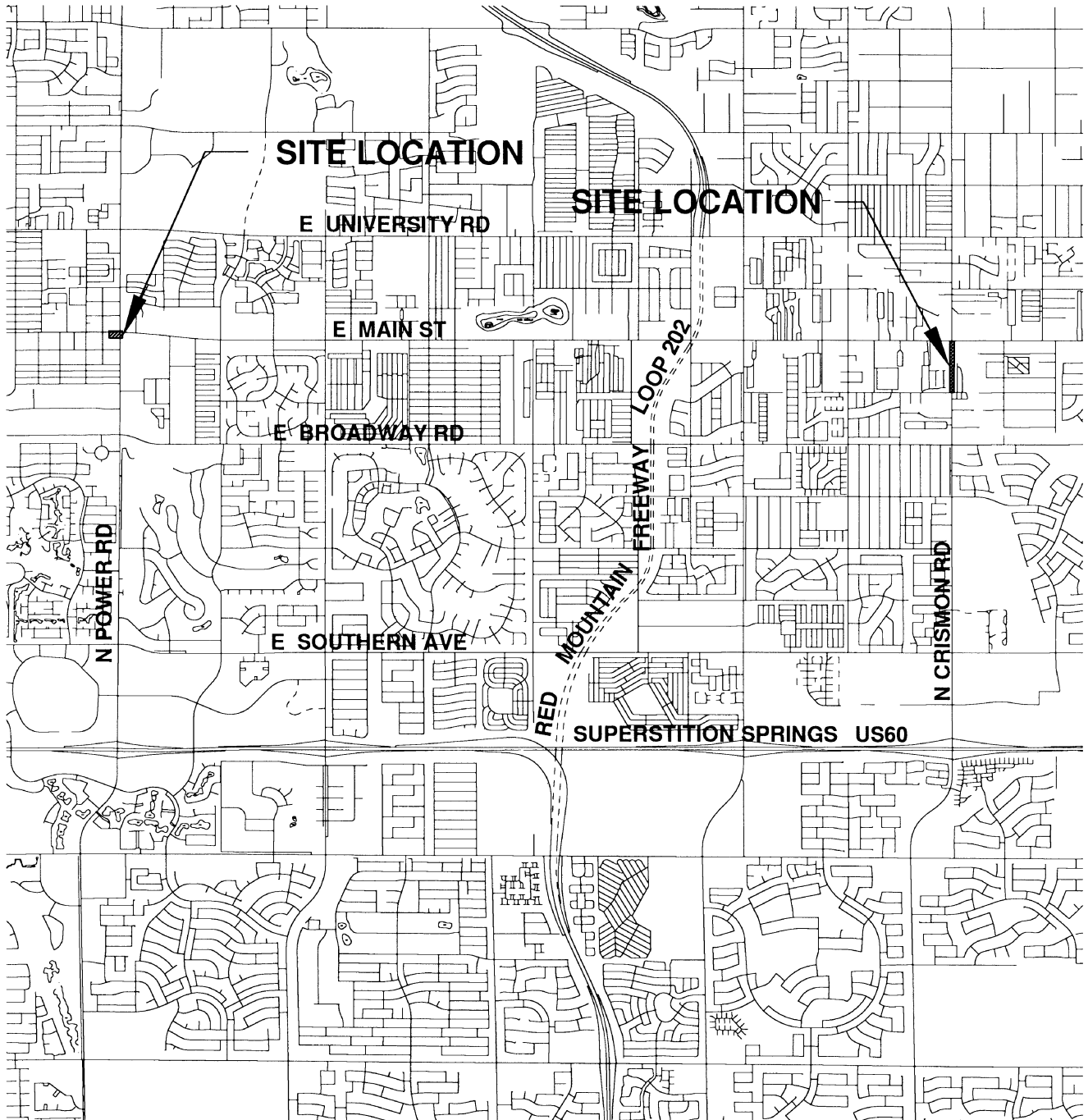
Kelly Jensen, Assistant City Engineer



Beth Huning, City Engineer



Jack Friedline, Deputy City Manager



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PROJECT LOCATION MAP
2008/2009 WATERLINE REPLACEMENT
AT VARIOUS LOCATIONS
PROJECT NO. 01-557-007



CITY OF MESA
MESA, ARIZONA

2008/09 WATER LINE REPLACEMENT AT VARIOUS LOCATIONS

PROJECT NO. 01-557-007

Tabulation of Bids Received, Thursday, August 20, 2009, at 1:30 p.m.

ENGINEER'S ESTIMATE	\$208,480.00
1. G and G Construction Company	\$175,864.75
2. JJ Sprague of Arizona Inc.	\$181,461.15
3. Petra Contracting	\$192,520.00
4. Apache Pipelines Inc.	\$193,430.00
5. Spire Engineering LLC	\$196,400.00
6. City Wide Contracting LLC	\$197,325.00
7. Crush Construction LLC	\$199,825.00
8. Juarez Contracting Inc.	\$207,796.00
9. Sallaway Development LLC	\$211,406.00
10. Sahuaro Pipeline Corporation	211,597.00
11. Lee's Pipelines Inc.	\$226,945.00
12. Visus Engineering Construction Inc.	\$231,000.00
13. Central Arizona Pipeline Contractors Inc.	\$237,205.14
14. Mercury Constructors Inc.	\$238,090.00
15. Underground Utilities Inc.	\$247,460.00
16. Straightline Utilities LLC	\$248,455.00
17. Klass Services Inc.	\$249,570.00

18. Gunsight Construction Companies LLC	\$249,875.00
19. Summit Pueblo West LLC	\$257,781.81
20. Double D Construction Inc.	\$260,580.04
21. Shiya Strepans Construction Company	\$264,085.00
22. B and F Contracting Inc.	\$278,120.00
23. Graef Construction Inc.	\$348,937.56