



# City Council Report

AGENDA ITEM 5d  
DATE 4-20-09

**Date:** April 20, 2009  
**To:** City Council  
**Through:** Jack Friedline, Deputy City Manager  
**From:** Elizabeth Huning, City Engineer  
**Subject:** Apache Country Club Estates Water Line Replacement  
Project No. 01-641-002  
Council District 6

## 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. 01-641-002, Apache Country Club Estates Water Line Replacement, which will replace existing waterlines in a neighborhood on the south and east corner of Broadway Road and Power Road. (Refer to Exhibit A for location map.)

It is recommended that Council award this project to the low bidder, Spire Engineering LLC, in the amount of \$1,200,815.00.

## Background/Discussion

The project area has water lines that are substandard (3-inch, 4-inch, and 6-inch diameter) in size, are at the end of their useful life (most were installed in 1962), and this area is a high risk area for water line breaks. The existing pipe in the area is older, brittle pipe material which tends to break longitudinally along the pipe. This type of pipe is no longer manufactured due to the high break history. Several breaks occurred in January 2009, when leaks in three locations were reported and repaired. Additionally, the project area does not have fire hydrants spaced closely enough to meet current City standards so additional hydrants are being installed.

This project will replace approximately 18,000 linear feet of these lines with new 8-inch diameter water lines within the right-of-way that have reached the end of their useful life. Also, thirty-three (33) additional fire hydrants will be installed to meet current design standards and the existing 282 water meters and service lines will also be replaced.

Community Impact – Temporary impacts to the area will include construction noise and dust. At times there may be short-term driveway access restrictions and short duration water outages which will be coordinated with property owners. Once work is started, the project is anticipated to take six (6) months to complete.

## Alternatives

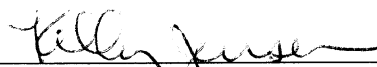
An alternative to this project would be to not replace the water mains, services, and meters, and to not add fire hydrants. This is not recommended due to the substandard water line sizes, the history of water line breaks, and the lack of sufficient fire hydrants. Failure to replace this pipe will result in repeated breaks with resulting impacts including disruption of customer water service, possible personal property damage, road and sidewalk damage, and expenses related to emergency repairs.

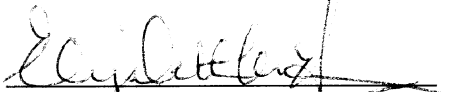
## Fiscal Impact

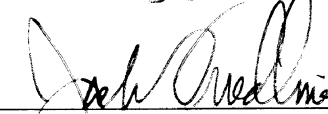
The recommended total award amount for this project is \$1,200,815.00, based on the low bid of \$1,091,650.00 plus an additional \$109,165.00 (10% allowance for change orders). Funding is available from the Preliminary FY 09/10 Water Bond Capital Program.

## Coordinated With

The Water Resources Department concurs with this recommendation.

  
\_\_\_\_\_  
Kelly Jensen, Assistant City Engineer

  
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Elizabeth Huning, City Engineer

  
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Jack Friedline, Deputy City Manager



# EXHIBIT A



FILE: ESPROJECT:\01-641-002 APACHE CC WL REPLACEMENT\CAD\VICINITY MAP.dwg 03/26/09

## PROJECT LOCATION MAP APACHE COUNTRY CLUB WATER LINE REPLACEMENT PROJECT NO. 01-641-002



NORTH  
NOT TO SCALE

Budget Information:  
Preliminary FY 09/10 Water Bond Capital Program

CITY OF MESA  
MESA, ARIZONA

APACHE COUNTRY CLUB WATERLINE REPLACEMENT, EAST BROADWAY  
ROAD TO EAST PUEBLO AVE.; SOUTH POWER ROAD TO SOUTH 72<sup>ND</sup>  
STREET

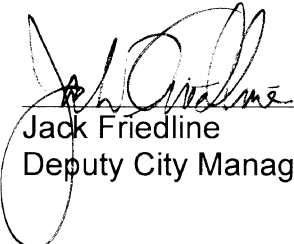
**PROJECT NO. 01-641-002**

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

<b>ENGINEER'S ESTIMATE</b>	<b>\$1,903,200.00</b>
1. Spire Engineering LLC	\$1,091,650.00
2. Cactus Coyote Contracting LLC	\$1,168,115.84
3. J J Sprague of Arizona Inc.	\$1,193,808.20
4. R K Sanders Inc.	\$1,211,750.00
5. Petra Contracting	\$1,313,555.00
6. Visus Engineering Construction Inc.	\$1,319,250.00
7. Blucor Contracting Inc.	\$1,343,728.00
8. Kelco Contracting LLC	\$1,359,775.00
9. Saguaro Pipeline Corporation Inc.	\$1,399,804.00
10. RBG ERU Joint Venture	\$1,409,435.00
11. Underground Utilities Inc.	\$1,462,857.58
12. T and T Construction Inc.	\$1,504,497.00
13. Arapahoe Utilities and Infrastructure Inc.	\$1,534,560.00
14. B and F Contracting Inc.	\$1,567,900.00
15. Prime Contracting LLC	\$1,578,285.00

16. Hall Brothers Excavation LLC	\$1,585,281.34
17. Lee's Pipelines Inc.	\$1,589,940.00
18. Pierson Construction Corporation	\$1,614,050.00
19. Standard Construction Company	\$1,653,200.00
20. Pipeline Dynamics Inc.	\$1,655,225.00
21. Talis Construction Corporation	\$1,700,855.60
22. Shiya Strehans Contracting Company	\$1,847,325.00
23. Wheeler Construction Inc.	\$1,899,920.00
24. Summit Builders	\$2,112,742.10

Recommend award to low bidder, Spire Engineering LLC, in the amount of \$1,091,650.00 plus an additional \$109,165.00 (10% allowance for change orders) for a total award of \$1,200,815.00.



Jack Friedline  
Deputy City Manager