



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CP18-128**

1. Agenda Item Number:

34

2. Council Meeting Date:
January 25, 2018

TO: MAYOR AND COUNCIL

3. Date Prepared: January 10, 2018

THROUGH: CITY MANAGER

4. Requesting Department: Public Works & Utilities

5. SUBJECT: Construction Contract No. WW1610.401 with Currier Construction, Inc., for the Tumbleweed Aquifer Storage and Recovery Well Sand Separator System

6. RECOMMENDATION: Staff recommends City Council award Construction Contract No. WW1610.401 to Currier Construction, Inc., for the Tumbleweed Aquifer Storage and Recovery Well Sand Separator System, in an amount not to exceed \$1,834,750.00.

7. BACKGROUND/DISCUSSION: The City operates and maintains ten aquifer storage and recovery (ASR) wells in the vicinity of Tumbleweed Park. The ASR wells are cycled seasonally. In the summer, the wells are pumped to recover water for use in the reclaimed water irrigation system. In the winter, excess reclaimed water is injected through the wells for storage in the upper aquifer. To optimize operations and extend the life of the ASR wells, the wells are regularly pumped to purge and clean them. Purge water from this process contains sand. This water is currently sent to the sewer collection system for retreatment. The sand builds up in the sewer pipes, requiring significant maintenance effort to keep the lines clear.

Staff has identified a sand separator system as a means to eliminate the retreatment of purged water and the deposition of sand in the sewer collection system. The purged water from all wells will be routed to the proposed Tumbleweed ASR wells sand separator system, and the reclaimed water will be pumped back to the reclaimed water system for irrigation use. Separated solids will be hauled away for landfill disposal. Construction will be coordinated with the Parks Division.

The project scope of work includes the installation of centrifugal sand separators, an underground settling basin, extension of an existing masonry wall, installation of vehicle and man-gates, modifications to existing retention basins, and electrical modifications. The construction contract time is 270 calendar days for substantial completion and 300 calendar days for final completion.

A Project Agreement for construction management services with Wilson Engineers, LLC, for the Tumbleweed ASR Well Sand Separator System, is also scheduled for this City Council meeting.

8. EVALUATION: Five (5) bids were opened on December 21, 2017. The bid results were as follows:

Contractor	Bid Total	Contractor	Bid Total
Currier Construction, Inc.	\$1,834,750	Degan Construction, LLC	\$2,104,000
Redpoint Contracting	\$1,865,400	MGC Contractors, Inc.	\$2,164,000
Schofield Civil Construction, LLC	\$2,053,000		

9. FINANCIAL IMPLICATIONS:

Cost: \$1,834,750.00
Savings: N/A
Long Term Costs: N/A

Fund Source:

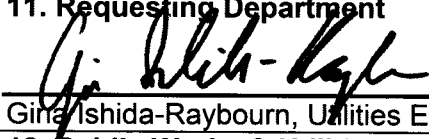
<u>Account No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
611.3910.6817.6WW189	Wastewater Bond	Effluent Reuse Storage & Recovery Wells	Yes	\$1,834,750

10. PROPOSED MOTION: Move City Council award Construction Contract No. WW1610.401 to Currier Construction, Inc., for the Tumbleweed Aquifer Storage and Recovery Well Sand Separator System, in an amount not to exceed \$1,834,750.00.

ATTACHMENTS: Location Map

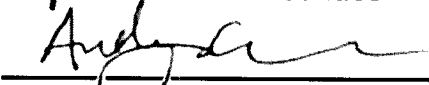
APPROVALS

11. Requesting Department



Gina Ishida-Raybourn, Utilities Engineering Manager

12. Public Works & Utilities



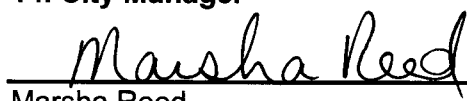
Andrew Goh, Capital Projects Manager

13. Department Head



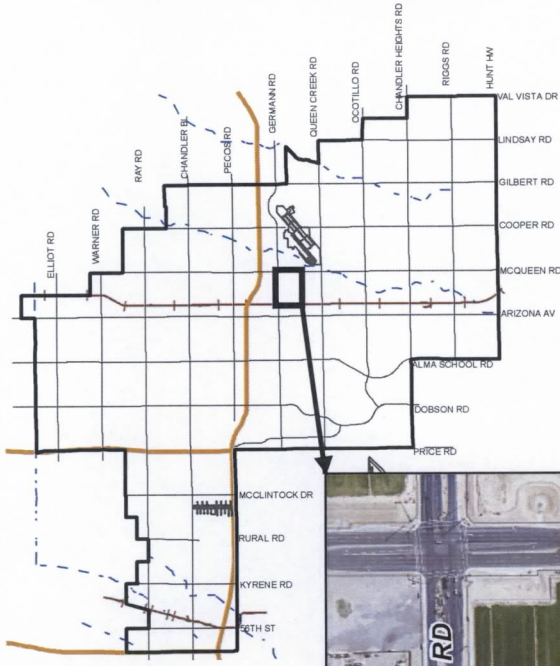
John Knudson, Public Works & Utilities Director

14. City Manager



Marsha Reed

TUMBLEWEED AQUIFER STORAGE AND RECOVERY (ASR) WELLS PROJECT NO. WW1610.401



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ASR WELLS

PROPOSED VAULT
LOCATION

