



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CP16-149**

1. Agenda Item Number:
15

2. Council Meeting Date:
February 25, 2016

TO: MAYOR AND COUNCIL

3. Date Prepared: February 10, 2016

THROUGH: CITY MANAGER

4. Requesting Department: Municipal Utilities

5. SUBJECT: Project Agreement with Wilson Engineers, LLC, for the Price Road Reclaimed Waterline

6. RECOMMENDATION: Staff recommends City Council award a Project Agreement to Wilson Engineers, LLC, for design services, for the Price Road Reclaimed Waterline, pursuant to Annual Water and Wastewater Services Contract No. EN1517.101, Project No. WW1604.201, in an amount not to exceed \$176,305.

7. BACKGROUND/DISCUSSION: This project will design a 12-inch reclaimed waterline on Price Road, between Germann and Queen Creek roads. The new reclaimed waterline will complete a system loop to provide new service connections for future development along the west side of Price Road. In addition, the new waterline will increase system reliability for existing customers.

The project scope of work consists of: preliminary design, utility coordination, construction document preparation, permitting assistance, and bid services.

8. EVALUATION: This project is being performed under the Annual Water and Wastewater Services Contract No. EN1517.101, to Wilson Engineers, LLC. The costs proposed for this project have been evaluated by staff and are determined to be reasonable. The contract completion time is 270 calendar days following Notice to Proceed.

9. FINANCIAL IMPLICATIONS:

Cost: \$176,305
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>
610.3910.6712.6WW192	Reclaimed Water Reserve	Effluent Reuse – Transmission Mains	Yes	\$176,305

10. PROPOSED MOTION: Move City Council award a Project Agreement to Wilson Engineers, LLC, for design services, for the Price Road Reclaimed Waterline, pursuant to Annual Water and Wastewater Services Contract No. EN1517.101, Project No. WW1604.201, in an amount not to exceed \$176,305.

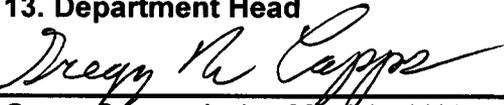
ATTACHMENTS: Location Map, Agreement

APPROVALS

11. Requesting Department

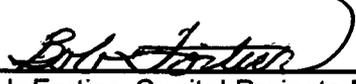
13. Department Head


John Knudson, Utilities Engineering Manager

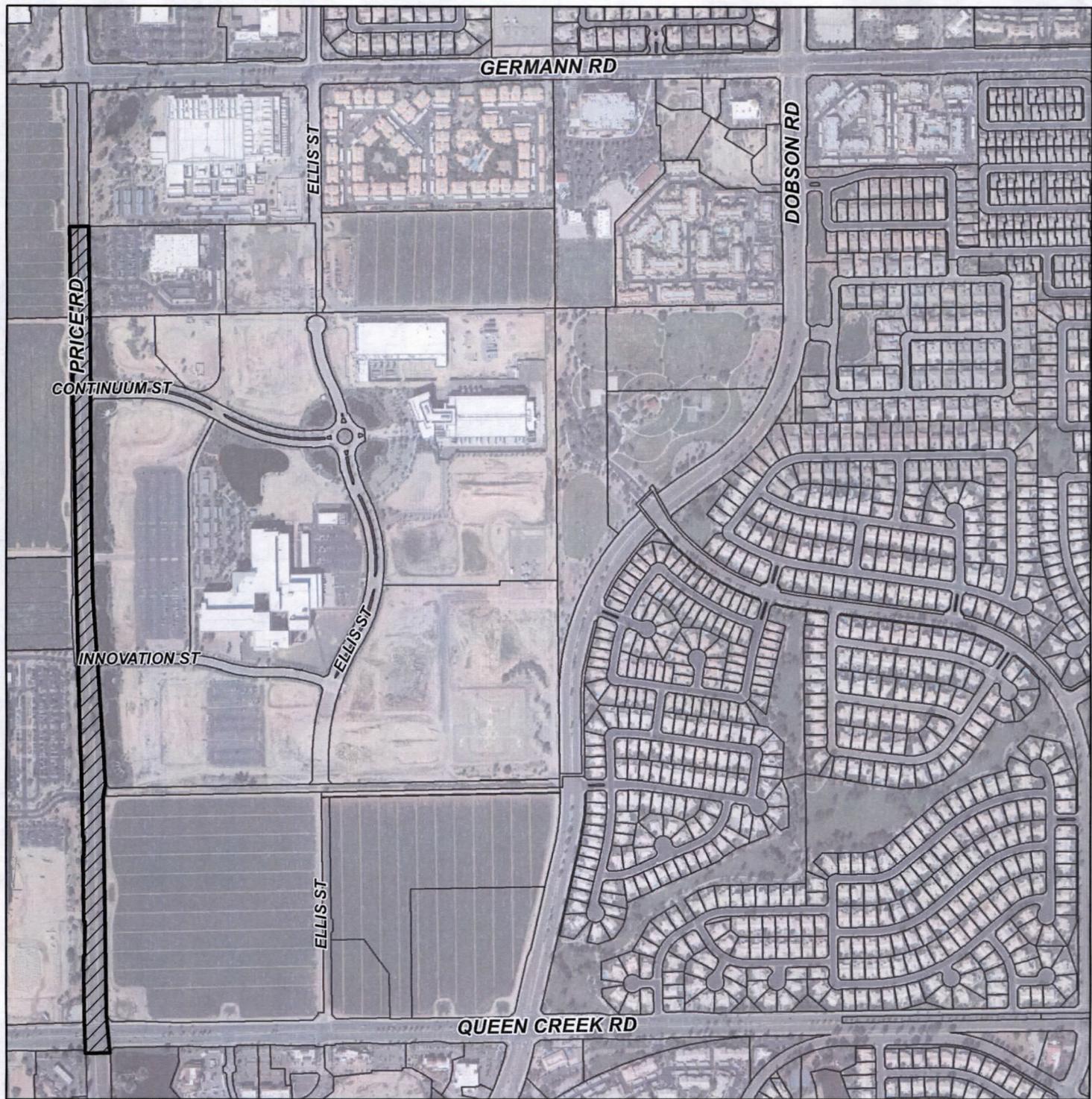

Gregg Capps, Acting Municipal Utilities Director

12. Transportation & Development

14. City Manager


Bob Fortier, Capital Projects Manager

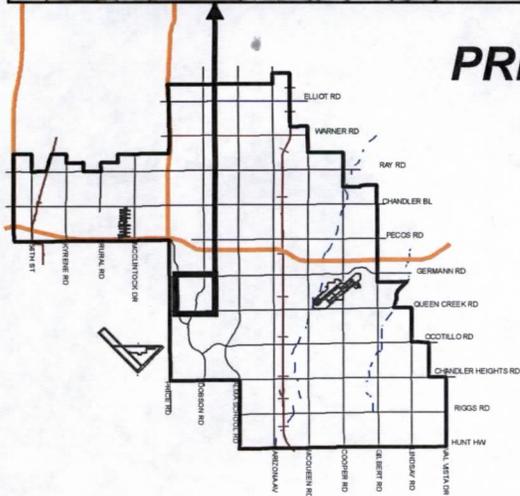

Marsha Reed, Acting City Manager



**PRICE RD RECLAIMED WATERLINE
PROJECT NO. WW1604.201**



MEMO NO. CP16-149



 PROJECT LOCATION



**PROJECT AGREEMENT
PURSUANT TO ANNUAL CONTRACT NO. EN1517.101**

PROJECT AGREEMENT NO: WW1604.201

This PROJECT AGREEMENT is made this day of 2016, by and between the City of Chandler, a municipal corporation (hereinafter referred to as "CITY") and Wilson Engineers, LLC, registered in the state of Arizona (hereinafter referred to as "Annual Consultant") and is a project agreement entered into pursuant to Annual Contract No. EN1517.101.

CITY and Wilson Engineers, LLC, in consideration of the mutual covenants herein set forth, agree as follows:

ARTICLE 1 - DESCRIPTION OF WORK:

This project is Price Road Reclaimed Waterline, Project Number WW1604.201. The scope of work consists of a new 12-inch reclaimed waterline along the Price Road Corridor between Germann Road and Queen Creek Road to provide reclaimed water to CITY customers. The new reclaimed waterline is proposed to tie into an existing 8-inch reclaimed water line located west of the Queen Creek Road and Price Road intersection and connect to an existing 12-inch reclaimed waterline located east of the Germann Road and Price Road intersection. The new reclaimed waterline will include new service connections for major users identified by the City along the Price corridor including from the existing 12-inch reclaimed waterline approximately 1,000 linear feet north of Germann Road, all as more particularly set forth in Exhibit A attached hereto and incorporated herein by reference.

The Annual Consultant shall not accept any change of scope, or change in contract provisions, unless issued in writing, as a contract amendment and signed by the Contract Administrator.

ARTICLE 2 - CONTRACT PRICE:

CITY shall pay Annual Consultant for completion of the Work in accordance with the Contract Documents a fee not to exceed One Hundred Seventy Six Thousand Three Hundred Five Dollars (\$176,305) determined and payable as set forth in Annual Contract EN1517.101 and Exhibit B attached hereto and made a part hereof by reference.

ARTICLE 3 - CONTRACT TIME:

The contract time is two hundred seventy calendar days and Annual Consultant agrees to complete all work within Two Hundred Seventy (270) calendar days of the date CITY issues a Notice to Proceed.

ARTICLE 4 - GENERAL:

This Project Agreement is entered into pursuant to Annual Contract No. EN1517.101 and the terms and conditions contained therein are incorporated herein by reference as if set forth in full.

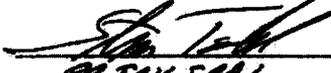
IN WITNESS WHEREOF, the parties hereto have executed this Project Agreement on the day and year first written above.

This Project Agreement will be effective on this _____ day of _____, 2016.

CITY OF CHANDLER

FOR THE ANNUAL:

MAYOR DATE:

By: 
Title: PRINCIPAL

ADDRESS FOR NOTICE
City of Chandler
P.O. Box 4008, Mail Stop 407
Chandler, AZ 85244-4008
480-782-3307

ADDRESS FOR NOTICE
Mr. Steve Todd
Wilson Engineers, LLC
9633 S. 48th St., Ste. 290
Phoenix, AZ 85044-5658

APPROVED AS TO FORM:

Phone: 480-893-8860

City Attorney By: 
ATTEST:

City Clerk

EXHIBIT A SCOPE OF WORK

ANNUAL CONSULTANT shall perform design services consisting of the following project tasks:

TASK 1.0 PRELIMINARY DESIGN

Subtask 1.1 Data Collection and Review Collect and review available information pertaining to existing and planned facilities along the pipeline alignment:

- Obtain and review Price Road Corridor as-builts from the CITY.
- Obtain and review the CITY's GIS map for Price Road Corridor.

Subtask 1.2 Site Survey Perform a field survey along the entire planned pipeline alignment. Survey will include a portion of the Queen Creek Road and Germann Road for connection to existing reclaimed water lines.

Subtask 1.3 Utility Investigations/Meetings Coordinate with utility companies during design to mitigate or minimize potential utility conflicts with existing and proposed private utility facilities during construction. Contact all of the utility companies with existing or planned utilities along the pipeline alignment. Obtain as-builts and/or plans of the utilities and incorporate into the construction drawings for this project. Submit each design deliverable to the utility companies for review and comment. Incorporate and modify design as needed to address utility company comments/conflicts. Facilitate utility coordination meetings with the CITY and other utilities representatives. An allowance is included for potholing and surveying exact locations of potential underground utility conflicts.

Subtask 1.4 Design Basis Report Based on the available data, site investigations, and the CITY's design standards. Prepare a Design Basis Report for the pipeline and submittal to the CITY. The report will include preliminary plan sheets without profile views, preliminary construction cost estimate, and identification of any additional design issues and recommendations. Six (6) copies of the Design Basis Report shall be submitted for review. A review meeting will be conducted to discuss comments on the Design Basis Report.

TASK 2.0 CONTRACT DOCUMENT PREPARATION

Prepare construction contract documents. It is assumed that bi-weekly meetings will be held for coordination with the CITY to review the status and progress of the project.

Subtask 2.1 60% Submittal Based on the planned horizontal alignment developed in the Basis of Design Report, a 60% set of plans, specifications, and construction cost estimate will be developed that include the planned profile of the new reclaimed waterline and the vertical location of all existing or future utility crossings. Six (6) copies of the 60% Submittal shall be submitted for review in addition to CITY Development Services plan review copies. A review meeting will be conducted to discuss comments on the 60% Submittal from the CITY and Utility Companies.

Subtask 2.2 90% Submittal Prepare preliminary 90% construction documents including plans, specifications, and construction cost estimate for the project. The plans shall incorporate the comments received on the 60% submittal. Six (6) copies of the 90% Submittal in addition to CITY Development Services plan review copies and Maricopa County Environmental Services Department (MCESD) plan review copies. A review meeting will be conducted with the CITY to review and discuss all comments received on the 90% Submittal from the CITY, Utility Companies, and MCESD.

Subtask 2.3 Final Submittal The final 100% plans, specifications, and construction cost estimate will be prepared incorporating CITY's and MCESD's comments. One (1) reproducible set of Professional Engineer sealed plans, specifications, construction cost estimate, and bid tab will be submitted in addition to Mylar Cover Sheet and copies for CITY and MCESD permit approval, which shall be used to produce the construction document set.

TASK 3.0 BID SERVICES

Subtask 3.1 Pre-Bid Conference Attend the pre-bid conference to answer bidder questions pertaining to the Contract Documents.

Subtask 3.2 Questions As needed, assist CITY in responding to bidder inquiries after the pre-bid conference and preparation of addenda.

Subtask 3.3 Prior Approval Review. As needed, assist CITY in review of requests for substitutions or approved equals.

Subtask 3.4 Bid Evaluations. As needed, assist CITY in review of bids, if bids are over or under construction cost estimate provide justification and make recommendation of where or not to award construction contract. As needed, assist CITY in evaluation of proposed subcontractors.

CLARIFICATIONS, ASSUMPTIONS, AND EXCLUSIONS

- Detailed Survey of Price Road between Queen Creek Road and Germann Road shall be performed by a sub-consultant. ANNUAL CONSULTANT is responsible for managing and completing all work at no additional cost to the CITY.
- The site survey is proposed to be completed with a ground collection method. The site survey does not include an orthographic aerial of the project area.
- Fifteen (15) potholes are anticipated and accounted for in the Potholing Services Allowance.
- Design shall include identification and outlining of construction sequencing for the reclaimed waterline construction work.
- Design shall include landscape and irrigation design services.
- If required for plan approval, design shall include a drainage memo.
- If required for plan approval, design shall include Erosion Sediment Control Plans.
- Items excluded from design:
 - Geotechnical Services. It is assumed the geotechnical investigation completed on the previous Price Road Waterline Project will be utilized.
 - Construction Phase Engineering Services. It is assumed that a separate contract will be executed to define the Scope and Budget for any Engineering Services during Construction as desired by the CITY for this project.
- Expenses for items such as printing, delivery, and mileage, and MCESD fees shall be compensated at cost utilizing the Direct Expense Allowance.
- Owner's Allowance shall only be utilized for additional services with prior written approval from the CITY.
- Transition/progression from 90% comments to Final Submittal will be based on the status of the Wells Fargo Development and planned construction of the Price Road and Queen Creek intersection, by that Developer. The plan is to have this project's construction activities take place just prior to or at the same time as the developer's construction activities to minimize disruption to the public.

**EXHIBIT B
FEE SCHEDULE**

Task No.	Description	Subtotal
Task 1.0 - Preliminary Design		\$16,730.00
1.1	Data Collection and Review	\$1,450.00
1.2	Site Survey	\$890.00
1.3	Utility Investigation/Meetings	\$4,680.00
1.4	Design Basis Report	\$9,710.00
Task 2.0 - Contract Document Preparation		\$98,790.00
2.1	60% Submittal	\$27,080.00
2.2	90% Submittal	\$50,900.00
2.3	Final Submittal	\$20,810.00
Task 3.0 - Bid Services		\$5,360.00
3.1	Pre-Bid Conference	\$890.00
3.2	Questions	\$1,220.00
3.3	Prior Approval Review / Issue Addenda	\$2,640.00
3.4	Bid Evaluations	\$610.00
Subtotal Direct Labor Costs		\$120,880.00
Sub-Consultants and Allowances		\$55,425.00
1.2	Surveying Services Sub-Consultant	\$15,000.00
1.3	Potholing Services Allowance	\$10,425.00
1.0 thru 3.0	Direct Expenses Allowance	\$2,000.00
2.2	Landscape and Irrigation Design Allowance	\$3,000.00
2.2	Erosion Sediment Control Plan Allowance	10,000.00
-	Owner's Allowance	\$15,000.00
TOTAL FEE		\$176,305.00