



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CA09-042**

1. Agenda Item Number:
28

2. Council Meeting Date:
August 28, 2008

TO: MAYOR & COUNCIL

3. Date Prepared: July 25, 2008

THROUGH: CITY MANAGER

4. Requesting Department: Municipal Utilities

5. SUBJECT: Approve Contract Amendment No. 1 to Engineering and Environmental Consultants, Inc. (EEC) for design of the Ocotillo Water Reclamation Facility Maintenance/Operations Improvements, WW0813-201, in an amount not to exceed \$45,281 for a revised contract total of \$97,143.

6. RECOMMENDATION: Staff recommends Council approve Contract Amendment No. 1 to Engineering and Environmental Consultants, Inc. (EEC) for design of the Ocotillo Water Reclamation Facility Maintenance/Operations Improvements, WW0813-201, in an amount not to exceed \$45,281 for a revised contract total of \$97,143.

7. BACKGROUND/DISCUSSION: In May 2008, Council approved an Annual Services contract to Engineering and Environmental Consultants, Inc. (EEC) to identify operational areas at the Ocotillo Water Reclamation Facility (OWRF) that are in need of repair, upgrades, or rehabilitation. The City has identified additional improvements to these areas that will enhance the operations of the OWRF.

This contract amendment will allow for the supplementary engineering design costs associated with the additional scope of work for modifications to the electrical and mechanical systems at the OWRF. This work will include integration of the proposed new electrical and mechanical equipment with the system that is currently being utilized to monitor and control the plant's operation; provide recommendations and design details to resolve a number of electrical issues identified by plant staff; and develop construction sequencing for the replacement of three Variable Frequency Drives.

8. EVALUATION PROCESS: Engineering and Environmental Consultants, Inc. was selected in accordance with established city policies and procedures. Council awarded the permitting, study, and design of water and wastewater facilities contract on September 6, 2007.

9. FINANCIAL IMPLICATIONS:

Cost: \$45,281
Savings: N/A
Long Term Costs: N/A
Fund Source:

Acct. No.:	Fund Name:	Program Name:	CIP Funded:	Amount:
615.3970.0000.5219	Wastewater Operating	Other Professional Services/Contracts	Non-CIP	\$ 45,281

10. PROPOSED MOTION: Move that Council approve Contract Amendment No. 1 to Engineering and Environmental Consultants, Inc. (EEC) for design of the Ocotillo Water Reclamation Facility Maintenance/Operations Improvements, WW0813-201, in an amount not to exceed \$45,281 for a revised contract total of \$97,143, and authorize the Mayor to sign the contract documents.

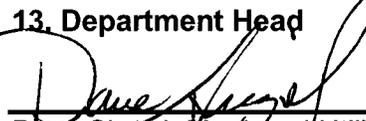
ATTACHMENTS: Location Map, Contract Amendment

APPROVALS

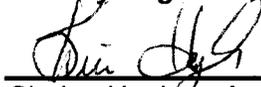
11. Requesting Department


Robert Mulvey, Assistant Municipal Utilities Director

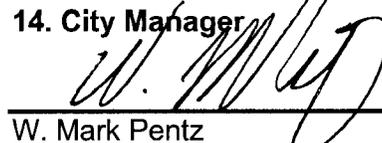
13. Department Head


Dave Siegel, Municipal Utilities Director

12. City Engineer

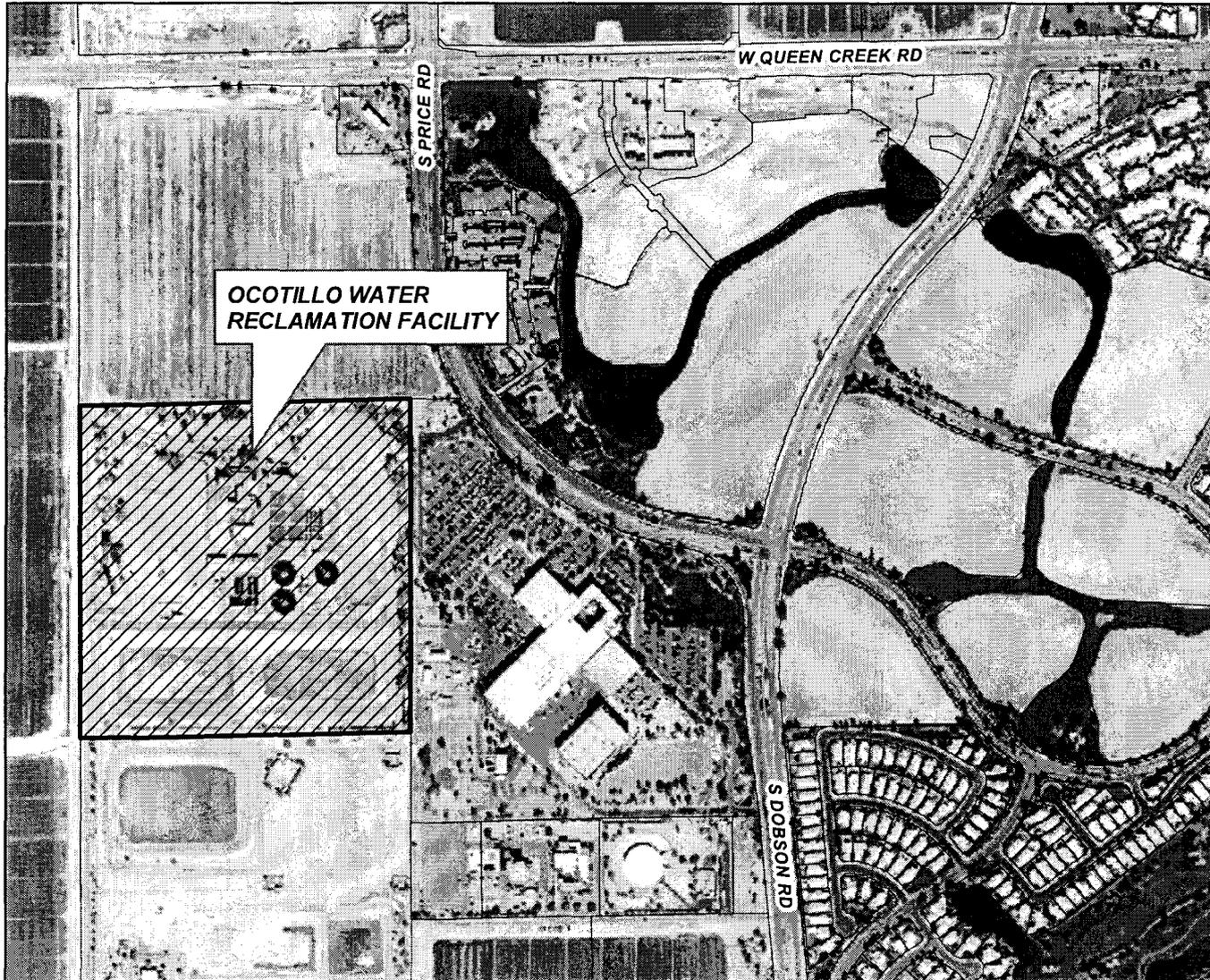
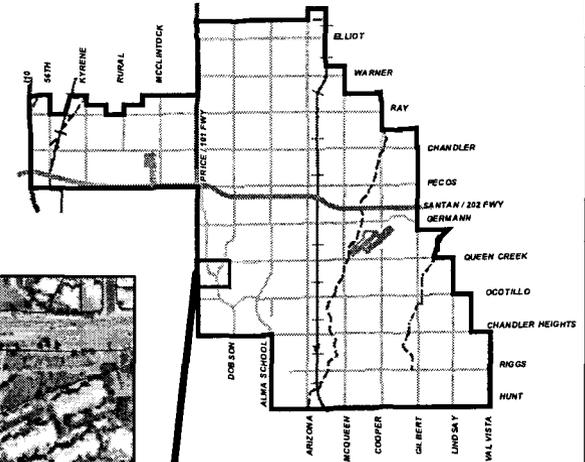

Sheina Hughes, Assistant Public Works Director/City Engineer

14. City Manager


W. Mark Pentz



OCOTILLO WATER RECLAMATION FACILITY MAINTENANCE/OPERATIONS IMPROVEMENTS PROJECT NO. WW0813-201



MEMO NO. CA09-042

Contract Amendment #1

 PROJECT AREA





Chandler Arizona

AMENDMENT NUMBER 1
TO PROJECT AGREEMENT NO: WW0813-201
PURSUANT TO ANNUAL CONTRACT NO. EN0719-101

Project Name: Ocotillo Water Reclamation Facility Maintenance/Operation Improvements
Project No.: WW0813-201

The City of Chandler (CITY) and Engineering and Environmental and Consultants, Inc. entered into an Annual Consultant Agreement (EN0719-101). Pursuant to this Annual Agreement the parties entered into an Agreement dated October 13, 2008. This Amendment No. 1 to that certain Agreement Between the City Of Chandler (CITY) and Engineering and Environmental Consultants, Inc., incorporated in the state of Arizona, for Ocotillo Water Reclamation Facility Maintenance/Operation Improvements dated 13, May, 2008 is entered into this _____ day of _____, 2008.

WHEREAS the parties have determined that it is necessary and desirable for ANNUAL CONSULTANT to perform additional services for CITY;

NOW THEREFORE, the parties agree as follows:

1. Section 1, of the above referenced Agreement, is hereby; amended by adding additional scope of work described in more detail in Exhibit A attached hereto and incorporated herein by reference.
2. Section 2, of the above referenced Agreement, is hereby; amended by increasing the total contract price by an amount not to exceed the sum of Forty Five Thousand Two Hundred Eighty One dollars, (\$45,281) all payable in accordance with Exhibit B, for a total contract price not to exceed the sum of Ninety Seven Thousand One Hundred Forty Three dollars, (\$97,143).
3. All other terms and conditions of the above referenced Agreement shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the parties have hereunto subscribed their names this _____ day of _____, 2008.

CITY OF CHANDLER:

By: _____

MAYOR Date

APPROVED AS TO FORM:

City Attorney by: _____

ATTEST: _____

City Clerk

ANNUAL CONSULTANT:

By: *Sharon A. Shaw*

Title: VICE PRESIDENT

ATTEST: (If corporation)

Secretary

WITNESS: (If Individual or Partnership)

SEAL

Amendment No. 1 cont.

Project No. WW0813-201

THESE CHANGES RESULT IN THE FOLLOWING ADJUSTMENTS OF CONTRACT PRICE AND TIME

ORIGINAL CONTRACT AMOUNT	\$ 51,862
CURRENT CONTRACT PRICE PRIOR TO THIS AMENDMENT (Including previous amendments)	\$ 51,862
NET INCREASE / DECREASE (Resulting from this amendment)	\$ 45,281
REVISED CONTRACT PRICE (Including this amendment)	\$ 97,143
AMENDMENT PERCENTAGE (Of original contract price)	<u>87%</u>
CONTRACT TIME PRIOR TO THIS AMENDMENT (Including previous amendments)	75 (Days or Date)
NET INCREASE/DECREASE (Resulting from this amendment)	0 (Days or Date)
REVISED CONTRACT TIME (Including this amendment)	75 (Days or Date)
THIS AMENDMENT No. _____	Does not Require Council Approval: Less than \$30,000* _____
	More than \$30,000 but less than 10% of Contract* _____
THIS AMENDMENT No. <u>1</u>	Requires Council Approval Greater than \$30,000* <u>X</u>
	Greater than 10% of Contract * <u>X</u>
*Including City Manager approved Amendments	
ORIGINAL CONTRACT COUNCIL DATE: 5-8-08 ITEM NO.:29, if applicable	
COUNCIL APPROVAL: _____ ITEM NO: _____, if applicable	

CC: City Clerk User Dept Project Mgr Consultant Project Anaylst File

EXHIBIT A
SCOPE OF WORK

This Scope of Services describes Engineering Services to be provided by Annual Consultant for the City of Chandler (City). The engineering services to be provided under this Scope of Services shall include additional services related to the Ocotillo Water Reclamation Facility Maintenance and Operations Improvements.

1. Annual Consultant shall retain a sub-consultant who specializes in instrumentation and controls to provide integration of the proposed new electrical and mechanical equipment with the system that is currently being utilized to monitor and control the plant's operation. The sub-consultant will carry out the instrumentation and control tasks associated with the change-out of existing electrical and mechanical equipment, including providing control schematics. Designs for RTU modifications will be furnished, however, PLC programming is not among the services covered by this authorization.
2. Annual Consultant shall recommend, and provide design details for, measures to overcome a number of electrical issues that have been pointed out by the plant operating staff. These include: the lights and receptacles in the Headworks Motor Control Center and the Headworks Building needing to be replaced; the existing 120-volt panel "LPH" in the MCC room needing to be replaced; investigating the H2S meter for possible relocation or replacement. A new power feed will be designed for the H2S meter, assuming it is to be relocated.
3. Annual Consultant shall devise alternatives whereby all three of the drives can be placed inside the Headworks Motor Control Center, and develop construction sequencing to allow only one VFD drive to be replaced at a time, while maintaining operation of all other existing drives.
4. Annual Consultant shall provide bidding services to cover the additional submittal reviews and Request for Information (RFI) corresponding to the expansion of the scope of work.

EXHIBIT B
FEE SCHEDULE

Item No.	Phase Description	Performed By	No. of Hours	Actual Hourly Rate	Item Cost
1.0 Planned Engineering Services					
1.1	Field investigation	Principal Engineer		\$175	\$0
		Project Manager IV	4	\$155	\$620
		Project Manager II	4	\$130	\$520
		Project Engineer III	9	\$110	\$990
		Designer V		\$120	\$0
		Designer III	9	\$100	\$900
		Designer I		\$80	\$0
		Cad III	12	\$75	\$900
		Admin		\$65	\$0
1.2	Detailed design	Principal Engineer		\$175	\$0
		Project Manager IV		\$155	\$0
		Project Manager II		\$130	\$0
		Project Engineer III	7	\$110	\$770
		Designer V		\$120	\$0
		Designer III	10	\$100	\$1,000
		Designer I		\$80	\$0
		Cad III	10	\$75	\$750
		Admin		\$65	\$0
1.3	Subconsultants				
	CR Engineers, Inc.	\$7,276.00			\$7,858
	Jensen Systems, Inc.	\$25,572.00			\$27,618
	Task 1 Subtotal				\$41,926
2.0 Bidding Services					
2.1	Bidding Services	Principal Engineer		\$175	\$0
		Project Manager IV	6	\$155	\$930
		Project Manager II		\$130	\$0
		Project Engineer III	4	\$110	\$440
		Designer V		\$120	\$0
		Designer III		\$100	\$0
		Designer I		\$80	\$0
		Cad III		\$75	\$0
		Admin		\$65	\$0
2.2	Subconsultant				
		CR Engineers	\$338.00		\$365
		Jensen Systems, Inc.	\$1,500.00		\$1,620
	Task 2 Subtotal				\$3,355
Other Direct Expenses (mileage, printing, deliveries, etc.)					
Total Consultant Fee					\$45,281