



**PURCHASING ITEM  
FOR  
COUNCIL AGENDA  
Memo No. CA12-202**

**1. Agenda Item Number:** 28  
**2. Council Meeting Date:** June 14, 2012

**TO: MAYOR & COUNCIL**  
**THROUGH: CITY MANAGER**

**3. Date Prepared:** May 22, 2012

**4. Requesting Department:** Municipal Utilities

**5. SUBJECT:** Award GMP No. 2 for the Ocotillo Water Reclamation Facility (OWRF)/Airport Water Reclamation Facility (AWRF) Lift Station and Deep Sewer, Project No. WW1104-401 to Achen-Gardner Construction, LLC, for, in an amount not to exceed \$8,184,691.49 for a revised total contract amount not to exceed \$23,002,106.33, contingent upon written notification from Intel and appropriate funding.

**6. RECOMMENDATION:** Staff recommends Council award GMP No. 2 for the Ocotillo Water Reclamation Facility (OWRF)/Airport Water Reclamation Facility (AWRF) Lift Station and Deep Sewer, Project No. WW1104-401 to Achen-Gardner Construction, LLC, for, in an amount not to exceed \$8,184,691.49 for a revised total contract amount not to exceed \$23,002,106.33, contingent upon written notification from Intel and appropriate funding.

**7. BACKGROUND/DISCUSSION:** Staff identified the need for new wastewater infrastructure to accommodate Intel's plant expansion on south Dobson Road. Facilities to be constructed include a lift station to transfer increasing volumes of wastewater from the Ocotillo Water Reclamation Facility (OWRF) to the Airport Water Reclamation Facility (AWRF). Other work includes a 42" gravity sewer line from Intel's property line north to a junction structure and connecting to a 66" diameter sewer line upstream of the proposed lift station. The new lift station will add system backup to the City's smaller existing lift station and force main system.

This Phase of the project includes services to complete mechanical, electrical, and site work, install a 36" force main, and a 20" reclaimed waterline on OWRF's site.

**8. EVALUATION:** On October 27, 2011, Council approved a Construction Manager at Risk construction services contract to Achen-Gardner Construction, LLC. The contractor was selected in accordance with state law for Construction Manager at Risk services. Staff reviewed the scope of work, billing rates, and total fee for this project, compared them to historical costs, and determined they are reasonable.

**9. FINANCIAL IMPLICATIONS:**

Cost:	\$12,685,782.71	GMP No. 1 - Original Contract
	\$ 2,131,632.13	GMP No. 1A – Change Order No. 1
	<u>\$ 8,184,691.49</u>	GMP No. 2
	\$23,002,106.33	Total
Savings:	N/A	
Long Term Costs:	N/A	

**Fund Source:**

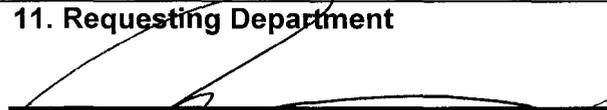
<u>Acct. No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
615.3910.6814.6WW022	Wastewater Operating	Water Reclamation Facility Expansion	Yes	\$8,184,691.49

**10. PROPOSED MOTION:** Move Council award GMP No. 2 for the Ocotillo Water Reclamation Facility (OWRF)/Airport Water Reclamation Facility (AWRF) Lift Station and Deep Sewer, Project No. WW1104-401 to Achen-Gardner Construction, LLC, for, in an amount not to exceed \$8,184,691.49 for a revised total contract amount not to exceed \$23,002,106.33, contingent upon written notification from Intel and appropriate funding, and authorize the Mayor to sign the contract documents.

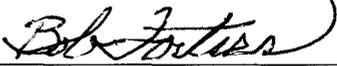
**ATTACHMENTS:** Contract, Location Map

**APPROVALS**

**11. Requesting Department**

  
John Knudson, Utilities Engineering Manager

**12. Transportation & Development**

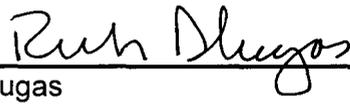
  
Bob Fortier, Capital Projects Manager

  
Sheina Hughes, City Engineer

**13. Department Head**

  
Dave Siegel, Municipal Utilities Director

**14. City Manager**

  
Rich Dlugas



# OWRF / AWRF WASTEWATER LIFT STATION 42" SEWER LINE - PHASE II PROJECT NO. WW1104-401



-  PROJECT AREA
-  RECLAMATION FACILITY
-  42" RELIEF SEWER
-  WASTEWATER FORCE MAIN



**CITY OF CHANDLER**  
CHANGE ORDER NUMBER 2  
DATE 05/21/12

This Change Order is not valid until signed by both the City and the Contractor. Signature of the Contractor indicates agreement herewith, including any adjustments in the Contract Price or Contract Time.

PROJECT NAME OWRF/AWRF Lift Station/Deep Sewer CONTRACTOR Achen-Gardner Construction, LLC  
PROJECT NO. WW1104-401 COST ACCT # \_\_\_\_\_  
USER DEPT Municipal Utilities NTP DATE 11/10/11

TO: Achen-Gardner Construction, LLC  
(CONTRACTOR)

YOU ARE DIRECTED TO MAKE THE FOLLOWING CHANGES TO THIS CONTRACT:  
(Describe changes in detail and/or reference attached cost breakdown sheet.)

Work included in this Change Order is required due to redefinition of wastewater characteristics from Intel. Additional services include OWRF lift station work to complete the balance of the mechanical, electrical, site work, install 36" force main on the OWRF site, and install 20" reclaimed waterline on OWRF site. The design changes are specifically described in Exhibits A and B, attached hereto and incorporated herein by reference.

ORIGINAL CONTRACT AMOUNT: \$12,685,782.71  
CURRENT CONTRACT PRICE PRIOR TO CHANGE ORDER: \$14,817,414.84  
(Including previous change orders)  
NET CHANGE RESULTING FROM THIS CHANGE ORDER: \$8,184,691.49  
REVISED CONTRACT PRICE INCLUDING THIS CHANGE ORDER: \$23,002,106.33  
CHANGE ORDER IS % OF ORIGINAL CONTRACT AMOUNT: 64.52%

CONTRACT TIME OR COMPLETION DATE PRIOR TO THIS CHANGE ORDER (Including previous change orders): 8/22/1901 7/10/13  
DAYS DATE

NET CHANGE RESULTING FROM THIS CHANGE ORDER: 0  
DAYS

REVISED CONTRACT TIME AND COMPLETION DATE: 600  
DAYS DATE

THE ABOVE IS AGREED TO BY:  
Achen-Gardner Construction, LLC  
CONTRACTOR

By:  6-4-12  
Date

CITY OF CHANDLER (Date & Name of Owner Dept. verbal approval): \_\_\_\_\_

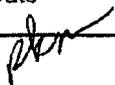
For Change Orders of less than \$50,000 and 10% of contract price:

Title: \_\_\_\_\_ Signature \_\_\_\_\_  
Department Director or Designee By: \_\_\_\_\_ Date \_\_\_\_\_  
Or (but not both)

For Change Orders of \$50,000 or more, or 10% or more of contract price:

MAYOR  
Approved by Council on: \_\_\_\_\_  
Date \_\_\_\_\_

Date: \_\_\_\_\_  
Attest: City Clerk \_\_\_\_\_ Date \_\_\_\_\_

Approved as to form: \_\_\_\_\_  
City Attorney 

## Exhibit A

### **OWRF/AWRF Lift Station – Phase 2, Package 2 Plans**

Site work grading and drainage modifications.

Site work access driveway paving, curb and gutter, and related civil improvements.

Site work landscape modifications and reinstallations!

Yard piping and associated LS at-grade structural concrete elements necessary to support mechanical and electrical elements.

Lift station bridge crane, structural steel, and miscellaneous fabricated metal elements.

Odor control tanks and pumps.

Electrical enclosure, switchgear, and RTU/PLC.

Roof system

Project dust control

Chainlink fence

Privacy panels

Painting exposed pipe and steel

Metering pumps and air compressor

Quality control testing

Survey and as-builts

Decomposed granite

Hand place rip-rap

Furnish VFD Pumps

Furnish electrical enclosures

### **OWRF 36-inch Force Main ("FM") – Basis of Design Report and associated Preliminary Plans**

2,411-feet of 36-inch ID HDPE pipe and related improvements.

Install 7-foot access manhole

MAG 404 pipe crossing (195 LF)

Lift station connection piping

Survey/staking

Quality control testing

### **OWRF 20-inch Reclaimed Waterline ("RWL") Upgrades**

(Note: Scope is necessary to accommodate Intel upgrades south of OWRF site and was added to this project's scope to facilitate design and coordination with LS scope on OWRF site. Cost to construct will be 100% responsibility of Intel.)

1,100-feet of 20-inch diameter DIP RWL.

OWRF PRV upgrades.

Flow meter station.

36" x 20" tapping sleeve and valve

Remove/replace landscape

Replace decomposed granite

Survey/staking

Quality control testing

**Exhibit B**

GMP 2 - OWRF/AWRF Lift Station	\$5,921,036.89
GMP 2 - OWRF Force Main	\$1,529,024.55
GMP 2 - OWRF 20" Reclaimed Waterline Upgrades	<u>\$734,630.05</u>
GMP 2 Total	\$8,184,691.49