

**CITY OF PEORIA, ARIZONA
COUNCIL COMMUNICATION**

CC: 7C
Amend No. _____

Date Prepared: August 20, 2007

Council Meeting Date: September 4, 2007

TO: Terrence L. Ellis, City Manager

FROM: Stephen L. Bontrager, Utilities Director 

THROUGH: Shawn Kreuzwiesner, Engineering Manager 

PREPARED BY: Aaron L. Ashcroft, Civil Engineer ^{ALA}
8-22-07

SUBJECT: Authorize Expenditure for Change Order #4 of the Jomax Water Reclamation Facility Phase 2 Expansion (VCFD 06-02, LCON08006)

RECOMMENDATION:

That Mayor and Council authorize expenditure of \$98,078 for payment of the Peoria's portion of Change Order #4 for Jomax Water Reclamation Facility (WRF) Phase 2 Expansion. Payment will be made from accounts: \$49,039 from the Water Expansion Fund Water Systems Account (2161-2221-543002-CIPWW-UT00173) and \$49,039 from the Wastewater Expansion Fund Wastewater Systems Account (2510-2630-543003-CIPWW-UT00173). Also, request the use of Reserves from Water and Wastewater Expansion Funds, and a budget transfer from General Fund Contingency in the amount of \$98,078 to the following: Water Expansion Fund Water Systems Account (2161-2221-543002-CIPWW-UT00173) in the amount of \$49,039 and Wastewater Expansion Fund Wastewater Systems Account (2510-2630-543003-CIPWW-UT00173) in the amount of \$49,039.

SUMMARY:

At the July 11, 2006 VCFD Board Meeting, the VCFD Board approved a Construction Managers at Risk Contract with MGC Contractors for the construction of the Jomax Water Reclamation Facility (WRF) Phase 2 Expansion. MGC's initial contract amount of \$51,022 included pre-construction services including constructability reviews, detailed costs estimates and value engineering services prior to award of the final Guaranteed Maximum Price (GPM) for construction.

At the August 21, 2006 VCFD Board Meeting, the VCFD Board awarded Change Order #1 to fund the GMP for MGC to construct the Jomax WRF Phase 2 Expansion. The amount of this change order was \$14,374,634. At this time Change Order #2 was also issued to establish the contract times for construction.

At the April 17, 2007 VCFD Board Meeting, the VCFD Board awarded Change Order #3 in the amount of \$114,009 to fund several scope changes that were necessary due to a combination of unforeseen conditions, final approved permits, and owner directed changes. At this same

meeting, staff indicated that not all of the scope changes had been quantified at that time and that a separate Council Communication would be issued to address the remaining changes.

At this time, the remaining scope changes that have been identified have now been quantified (see Exhibit A, attached). The amount needed to fund these changes is \$253,813. In addition, MGC's contract time will be extended by 27 days from February 27, 2008 to March 25, 2008 in order to perform the work. The following table summarizes the contract amendments to date:

Item	Amount	VCFD Share	Peoria Share
MGC Preconstruction Services	51,022	22,960	28,062
MGC Change Order #1 (Original GMP)	14,374,634	6,468,585	7,906,049
MGC Change Order #2 (Construction Time)	na	na	na
MGC Change Order #3	114,009	51,304	62,705
MGC Change Order #4	253,813	155,735	98,078
Total	14,793,478	6,698,584	8,094,894

Staff recommends that the Mayor and Council authorize the expenditure for Peoria's portion of Change Orders #4 for the Jomax WRF Phase 2 Expansion in the amount of \$98,078. Also, staff requests the use of Reserves from Water and Wastewater Expansion Funds, and a budget transfer from General Fund Contingency in the amount of \$98,078 to the following: Water Expansion Fund Water Systems Account (2161-2221-543002-CIPWW-UT00173) in the amount of \$49,039 and Wastewater Expansion Fund Wastewater Systems Account (2510-2630-543003-CIPWW-UT00173) in the amount of \$49,039. Payment will be made from the following accounts: \$49,039 from the Water Expansion Fund Water Systems Account (2161-2221-543002-CIPWW-UT00173) and \$49,039 from the Wastewater Expansion Fund Wastewater Systems Account (2510-2630-543003-CIPWW-UT00173).

ATTACHMENT(s):

1. Exhibit "A" – Jomax WRF Expansion Phase 2, Change Order #4

EXHIBIT A

VISTANCIA COMMUNITY FACILITIES DISTRICT
 JOMAX WATER RECLAMATION FACILITY PHASE 2 EXPANSION
 PROJECT NO. VGFD06-02
 CHANGE ORDER NO. 4

WCD NO.	RECOP NO.	SUBJECT	REVIEWER	WCD TIME (days)	WCD AMOUNT	VCFD Share	Peoria Share	BASIS	DESCRIPTION
15	15	Blower Building Elec. Room Drywall Credit	LJ	0	\$ (9,484)	\$ (4,268)	\$ (5,216)	City Requested Change	Remove the drywall included within the Blower Building Electrical Room.
16	16A	Blower Building Roof	LJ	0	\$ 20,048	\$ 9,022	\$ 11,026	Contractor Requested Change	Change to meet design intent of drawings beyond original value engineering effort.
19	19	Aeration Basin 1B Baffle Wall Addition	LJ	12	\$ 55,905	\$ 25,137	\$ 30,748	City Requested Change	Provide a concrete baffle wall within existing aeration basin 1B similar to the baffle walls in the new aeration basins.
21	21	PLC Changes	LJ	0	\$ 5,262	\$ 2,368	\$ 2,894	Design Change	PLC system revisions between 90% and 100% design
22	22	Security System Addition	LJ	3	\$ 9,279	\$ 4,176	\$ 5,103	City Requested Change	Provide electrical conduit within Blower and Headworks Buildings for security system
23	23	Headworks Add Bar	LJ	10	\$ 4,473	\$ 2,013	\$ 2,460	Design Change	Additional reinforcement at Headworks Building beam
24	24	Door Hardware Upgrades to COP standards	LJ	0	\$ 5,150	\$ 2,318	\$ 2,833	City Requested Change	Provide door hardware to meet current City standards
25	25	Headworks Deck Supports	LJ	2	\$ 3,000	\$ 1,350	\$ 1,650	Design Change	Provide additional supports under the second floor decking near pipe and electrical penetrations.
26	26	Ductbanks for the Security System	LJ	0	\$ 10,165	\$ 4,574	\$ 5,591	City Requested Change	Provide additional conduit in Headworks Building for security cameras at the roof. Additional conduits in ductbank system to tie into existing security system.
27	27	Chlorine analyzer model per COP standards	AEP	0	\$ 9,175	\$ 4,129	\$ 5,046	Design Change	Provide chlorine analyzer per COP standards.
28	28A	Wall mounted davit crane bases in Headworks Bldg.	AEP	0	\$ 1,256	\$ 565	\$ 691	Design Change	Return flush mounted bases and install wall mounted bases at the Headworks Building.
29	29	Additional duct smoke detectors for fire alarm system	AEP	0	\$ 4,424	\$ 1,991	\$ 2,433	City Requested Change	Include duct smoke detection devices for all HVAC equipment at the Headworks and Blower Buildings
30	30	Primary Power to Potable Well No. 1	AEP	0	\$ 75,490	\$ 75,490	\$ -	City Requested Change	Provide power to Potable Well No. 1
31	31	Existing EIM Actuators Voltage Change	AEP	0	\$ 9,670	\$ 4,352	\$ 5,319	Design Change	The existing blower inlet actuators are 480V motors. The new installation will require the motors to be 120V. This change includes swapping out the motors to accommodate the voltage change.
32	32	Extra Work Allowance	AEP	0	\$ 50,000	\$ 22,500	\$ 27,500	Contingency	Owner's contingency for the project.
TOTAL					\$ 253,813	\$ 155,735	\$ 98,078		