



**PURCHASING ITEM  
FOR  
COUNCIL AGENDA  
Memo No. CA13-013**

**1. Agenda Item Number:**  
**33**  
**2. Council Meeting Date:**  
July 26, 2012

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

**3. Date Prepared:** July 9, 2012

**4. Requesting Department:** Municipal Utilities

**5. SUBJECT:** Award Amendment No. 1 to the Construction Manager at Risk Contract for pre-construction services to McCarthy Building Companies, Inc. for the Airport Water Reclamation Facility Expansion, Project No. WW1013-251, in an amount not to exceed \$377,005, and a revised contract price of \$877,005, contingent upon written notification from Intel and appropriate funding.

**6. RECOMMENDATION:** Staff recommends Council award Amendment No. 1 to the Construction Manager at Risk Contract for pre-construction services to McCarthy Building Companies, Inc. for the Airport Water Reclamation Facility Expansion, Project No. WW1013-251, in an amount not to exceed \$377,005, and a revised contract price of \$877,005, contingent upon written notification from Intel and appropriate funding.

**7. BACKGROUND/DISCUSSION:** The Airport Water Reclamation Facility is located on Queen Creek Road, just west of McQueen Road. Staff identified the need for design and construction of new wastewater treatment capacity to accommodate Intel's plant expansion on South Dobson Road. Public information meetings were held on May 31, 2012 with residents neighboring the facility to discuss expansion and odor control. Construction will begin in 2012 and is expected to be completed in spring 2014. Treatment capacity of the facility will increase from 15 million gallons per day (MGD) to 22 MGD.

The initial pre-construction phase was the first step in the process. The contractor developed a construction schedule based on field inspections, and also provided reviews, value engineering suggestions and prepared the project cost model and the first two guaranteed maximum prices (GMP) for Phase 1 and Phase 2. With this amendment, the contractor will continue to develop the schedule, provide value engineering analysis, constructability reviews, and subcontractor coordination. Additionally, they will prepare the pricing for Phases 3, 4, and 5, to be approved by Council in the future.

**8. EVALUATION:** The selection process was followed according to State law for design services. Twelve (12) Statements of Qualifications were received from qualified firms on November 4, 2011. The Selection Committee included the following members:

Joshua Plumb, P.E., Engineering Project Manager  
Bob Fortier, Construction Project Manager  
Kim Neill, Utilities Operations Manager  
John Pinkston, Wastewater Facilities Superintendent  
John Rydzewski, Intel  
Carl McFarland, Chandler Resident/Registered Contractor

The Committee held interviews and discussions with McCarthy Building Companies, PCL Construction, Inc., Sundt Construction, and Archer Western Contractors. After interviews, the Committee determined the following ranking:

1. McCarthy Building Company, Inc.
2. PCL
3. Sundt
4. Archer Western

McCarthy Building Companies, Inc. was selected based on qualifications, design capability, current workload, and experience. 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:	\$500,000	Original Contract
	<u>\$377,005</u>	Amendment No. 1
	\$877,005	Total

Savings: N/A  
Long Term Costs: N/A

**Fund Source:**

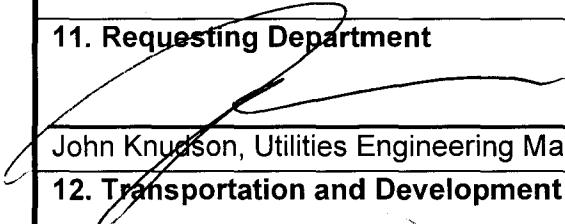
<u>Acct. No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded:</u>	<u>Amount:</u>
615.3910.6810.6WW022	Wastewater Operating	Water Reclamation Facility Expansion	Yes	\$377,005

**10. PROPOSED MOTION:** Move Council Award Amendment No. 1 to the Construction Manager at Risk Contract for pre-construction services to McCarthy Building Companies, Inc. for the Airport Water Reclamation Facility Expansion, Project No. WW1013-251, in an amount not to exceed \$377,005, and a revised contract price of \$877,005, contingent upon written notification from Intel and appropriate funding, and authorize the Mayor to sign the contract documents.

**ATTACHMENTS:** Contract, Location Map

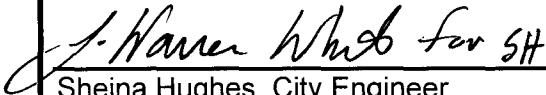
**APPROVALS**

**11. Requesting Department**

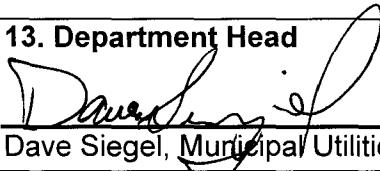
  
John Knudson, Utilities Engineering Manager

**12. Transportation and Development**

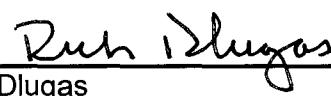
  
Bob Fortier, Construction Projects Manager

  
Sheina Hughes, City Engineer

**13. Department Head**

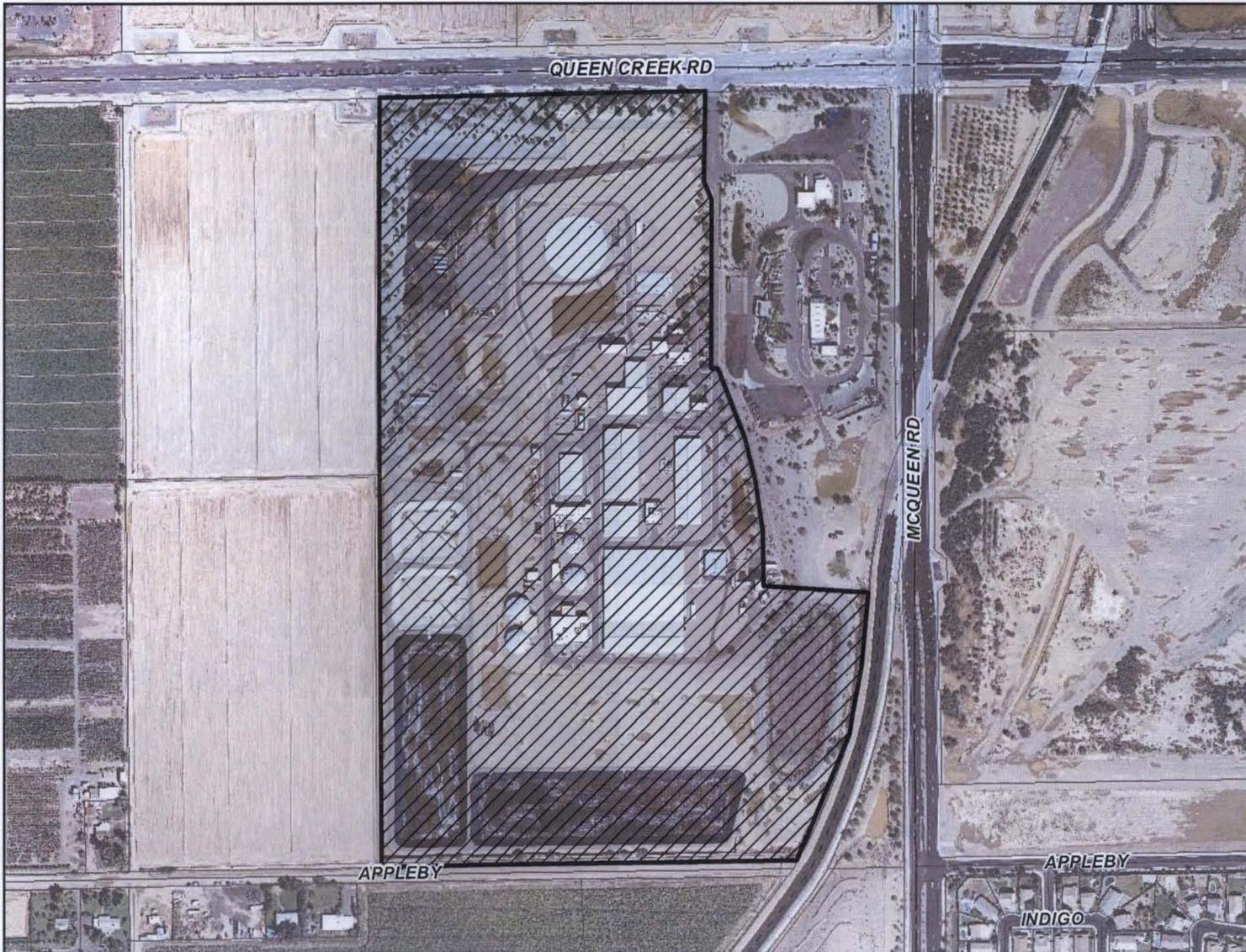
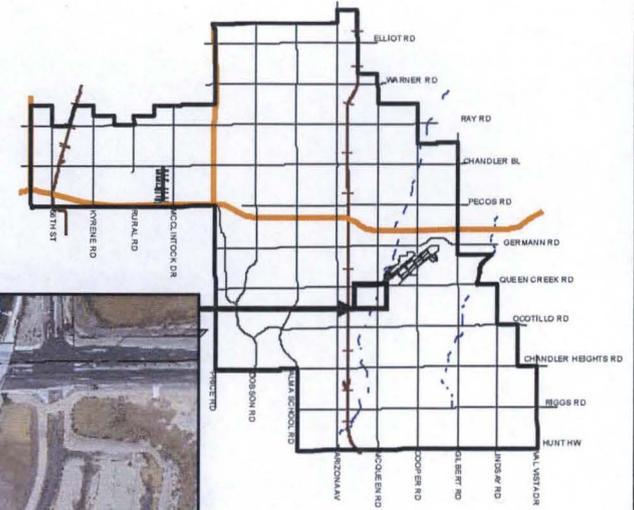
  
Dave Siegel, Municipal Utilities Director

**14. City Manager**

  
Rich Dlugas



# AIRPORT WATER RECLAMATION FACILITY EXPANSION PROJECT NO. WW1013-251



**MEMO NO. CA13-013**

 PROJECT SITE



NTS  
**CHANGIS**



Chandler Arizona

AMENDMENT NUMBER 1

Project Name: Airport Water Reclamation Facility Expansion  
Project No.: WW1013-251

This Amendment No. 1 to that certain Agreement between the City Of Chandler (CITY) and McCarthy Building Companies, Inc. dated for February 13, 2012 is entered into this \_\_\_\_ day of \_\_\_\_\_, 2012.

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

NOW THEREFORE, the parties agree as follows:

1. Section 3, 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 6, of the above referenced Agreement, is hereby; amended by increasing the total contract price by an amount not to exceed the sum of Three Hundred Thirty-Seven Thousand and Five Dollars, (\$337,005) for a total Contract Price not to exceed the sum of Eight Hundred Thirty-Seven Thousand and Five Dollars (\$837,005) of all payable in accordance with Exhibit B, attached hereto and incorporated herein by reference.
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 \_\_\_\_\_, 2012.

CITY OF CHANDLER:

By: \_\_\_\_\_  
MAYOR Date

APPROVED AS TO FORM:  
\_\_\_\_\_  
City Attorney by \_\_\_\_\_

ATTEST:  
\_\_\_\_\_  
City Clerk

CONSULTANT:

BY: \_\_\_\_\_  
Title:

ATTEST: (If corporation)  
\_\_\_\_\_  
Secretary

WITNESS: (If Individual or Partnership)  
\_\_\_\_\_

SEAL



## EXHIBIT A SCOPE OF WORK

CM@Risk shall provide additional pre-construction services to encompass the second phase of funding to complete the Chandler AWRP Expansion to 22 MGD. CM@Risk shall prepare GMPs with assumptions and bid item descriptions; negotiate GMPs with CITY; revise and make adjustments in scope or pricing as agreed; and prepare GMPs for final approval. Three additional GMPs are anticipated.

**GMP 5, to be submitted on August 23, 2012,** is an Equipment Procurement GMP, that will include the following equipment: The Chlorine contact basin gates, The Flocc Filter Underdrain System, Flocculators, Flocc Filter Area Gates, Flocc Filter Rapid Mixers, Flat Panel Covers for the Chlorine Contact Basin, and will also include the excavation and shoring of the reclaimed water reservoir.

**GMP 3, to be submitted on December 14, 2012,** includes all of the civil, structural, electrical, process mechanical, and associated yard piping work for: The Aeration Basin Blower Building, Prestage Basin #1 & #2 Grit Chambers, Prestage Basin Odor Control, Secondary Clarifiers #7 & #8, RAS/WAS pump Station, Secondary Clarifier Splitter Box Mods, Reclaimed Water Reservoir, Reclaimed Water Reservoir Pump Station, and Scum Pump Station. Purchase only of Process Equipment for the following: Dewatering Building Odor Control, Thickening Building Blower Room, Thickening Feed Pump Station, Thickening Building Polymer Feed, Thickened WAS Pump Station, Gravity Belt Thickener, and Backwash Pump Station.

GMP 4 also includes the remainder of the process equipment and process piping at: Aeration Basins 7-9, Aeration Basin Odor Control, Prestage Basin #2, Chlorine Contact Basin #3, Flocc Basin/ Filters/ Rapid Mix Modifications, Tank Drain Pump Station, Belt Press Feed Pump Station,

**GMP 4, to be submitted on January 10, 2013,** includes all of the civil, structural, electrical, process mechanical, and associated yard piping work for: Tank Drain Pump Station, Belt Press Feed Pump Station, and the RW/ BW Electrical Building Modifications. It also includes the remainder of the process equipment and process piping at: Secondary Clarifiers #7 & #8, RAS/ WAS Pump Station, Washwater EQ Basin & Pump Station, Reclaimed Water Reservoir, Reclaimed Water Pump Station Modifications, Dewatering Building Modifications, Dewatering Building Odor Control, Thickening Building Blower Room, Thickening Feed Pump Station, Thickening Building Polymer Feed, Thickened WAS Pump Station, Gravity Belt Thickener, and Scum Pump Station.

CM@Risk shall also provide additional site survey and potholing, as necessary to complete the tasks outlined above. This scope also includes an allowance for plan production and printing.

**EXHIBIT B  
FEE SCHEDULE**

COST CODE	TITLE	Budget RATE + \$	BUDGET HOURS	BUDGET AMOUNT	ACTUAL HOURS TO DATE	PROJECTED HOURS TO COMPLETE	PROJECTED AMOUNT TO COMPLETE	PROJECTED TOTAL BUDGET	PROJECTED(OVER) / UNDER ORIGINALBUDGET
01000.0001.00.00	Project Manager	\$ 135	898	\$ 121,230	433	160	\$ 14,899	\$ 55,220	\$ 66,010
01000.0001.00.00	Electrical-I&C Estimator	\$ 104	328	\$ 34,112	119	472	\$ 37,958	\$ 47,528	\$ (13,416)
01000.0001.00.00	Mech / Civil Estimator	\$ 104	528	\$ 54,912	520	160	\$ 11,283	\$ 47,954	\$ 6,958
01000.0001.00.00	Electrical-I&C Super			\$ -	284	80	\$ 5,716	\$ 26,006	\$ (26,006)
01000.0001.00.00	Gen'l Superintendent			\$ -	400	160	\$ 16,947	\$ 59,315	\$ (59,315)
01000.0001.00.00	Mechanical - Asst. PM			\$ -	240	760	\$ 49,301	\$ 64,870	\$ (64,870)
01000.0001.00.00	Project Engineer			\$ -	203	160	\$ 9,175	\$ 20,816	\$ (20,816)
01000.0001.00.00	Project Admin / Misc.	\$ 59	32.00	\$ 1,888	120	40	\$ 1,800	\$ 7,200	\$ (5,312)
			1786	\$ 212,142	2319	1992	\$ 147,080	\$ 328,909	\$ (116,767)
COST CODE	TITLE	Budget RATE \$	BUDGET HOURS	BUDGET AMOUNT	ACTUAL HOURS TO DATE	PROJECTED HOURS TO COMPLETE	PROJECTED AMOUNT TO COMPLETE	PROJECTED TOTAL BUDGET	(OVER) / UNDER BUDGET
01000.0003.00.00	Project Executive	\$ 203	54	\$ 10,962	48	165	\$ 33,495	\$ 43,239	\$ (32,277)
01000.0003.00.00	Project Director	\$ 180	378	\$ 68,040	118	476	\$ 85,680	\$ 106,920	\$ (38,880)
01000.0003.00.00	Chief Project Estimator	\$ 135	964	\$ 130,140	271	868	\$ 117,180	\$ 153,765	\$ (23,625)
01000.0003.00.00	Concrete Estimator	\$ 104	568	\$ 59,072	325	950	\$ 98,800	\$ 132,600	\$ (73,528)
01000.0003.00.00	Estimator's	\$ 104		\$ -	30	784	\$ 81,536	\$ 84,656	\$ (84,656)
01000.0003.00.00	Scheduler	\$ 101	8	\$ 808	24	56	\$ 5,656	\$ 8,080	\$ (7,272)
			1972	\$ 269,022	816	3299	\$ 422,347	\$ 529,260	\$ (260,238)
Total Labor				\$ 481,164	3135	5291	\$ 569,427	\$ 858,169	\$ (377,005)
Site Survey				\$ 2,000	Site Survey			\$ 2,000	\$ -
Pot Holing				\$ 10,000	Pot Holing			\$ 10,000	\$ -
Plan Production and Printing				\$ 6,836	Plan Production and Printing			\$ 6,836	\$ -
<b>PRECON TOTOLS</b>				\$ 500,000	Total		\$ 877,005	\$ (377,005)	