

**CITY OF PEORIA, ARIZONA
COUNCIL COMMUNICATIONS**

CC: _____

Amend No. _____

Date prepared: March 31, 2010

Council Meeting Date: May 4, 2010

TO: Carl Swenson, City Manager

THROUGH: Susan J. Daluddung, Deputy City Manager

FROM: Andrew Granger, P. E., Engineering Director

THROUGH: Dan Nissen, P. E., Assistant City Engineer

SUBJECT: Beardsley Water Reclamation Facility Recharge Basin (UT00300, Solicitation No. P08-0047AP9, ACON25008P9)

RECOMMENDATION:

Discussion and possible action to approve Contract Amendment No. 1 to Quest Civil Constructors for a Guaranteed Maximum Price (GMP) of \$1,100,176 for construction services associated with the Beardsley Water Reclamation Facility Recharge (WRF) basin.

SUMMARY:

The Beardsley Water Reclamation Plant (WRP) is located at the southwest corner of Beardsley Road and 111th Avenue. Two of the existing 10 basins have been under-performing for over 3 years, which has made operations at this zero-discharge facility extremely difficult. The city has invested extensive time and money into investigating the cause and developing solutions to cure these operational issues. The addition of one or more recharge basins at the Beardsley Underground Storage Facility will result in increased recharge capacity, allowing the city to bank reclaimed water more reliably by reducing evaporation losses and earning storage credits used for exchanges, which will substantially increase efficiency. The additional amount of reclaimed water recharged in the new basin will be reported to the Arizona Department of Water Resources in the Annual Underground Water Storage Report. This project will fund the construction of additional recharge capacity at the Beardsley Water Reclamation Facility.

The Beardsley WRF Recharge Basin project will entail the excavation of a 5-acre recharge basin located in the Beardsley Water Reclamation Facility property. This project also includes the extension of effluent lines and the construction of additional monitoring equipment.

CITY CLERK USE ONLY:

- Consent Agenda
- Carry Over to Date: _____
- Approved
- Unfinished Business (Date heard previous: _____)
- New Business
- Public Hearing: No Action Taken

ORD. # _____ RES. # _____
LCON# _____ LIC. # _____
Action Date: _____

This project is funded with American Recovery and Reinvestment Act (ARRA) federal funds, under the United States Department of Interior, Bureau of Reclamation Challenge Grant Program and matching City funding. The Grant Agreement was executed on September 30, 2009. The project funding is currently broken down as follows.

Grant Funds:	\$708,300
City Funds:	<u>722,326</u>
Total Cost:	\$1,430,626

A summary of the contract amounts is as follows:

Quest Civil Contractors - Pre-construction Services:	\$ 222,395
Quest Civil Contractors - Construction Services:	<u>\$1,100,176</u>
Revised Contract Amount:	\$1,322,571

Project completion will be accomplished in two phases, preconstruction and construction. The preconstruction phase is nearing completion. At this time staff would like to request approval of the construction phase for the project.

<i>Task</i>	<i>Date</i>
Preconstruction Phase	December 2009 – April 2010
Construction GMP to Council	May 4, 2010
Construction Commencement	May 2010
Project Completion	September 30, 2010

FISCAL NOTE:

Funding for this contract is available in the FY2010 Capital Improvement Program. Payment in the amount of \$1,100,176 will be made to Quest Civil Constructors from the following Beardsley WRF Recharge Basin accounts:

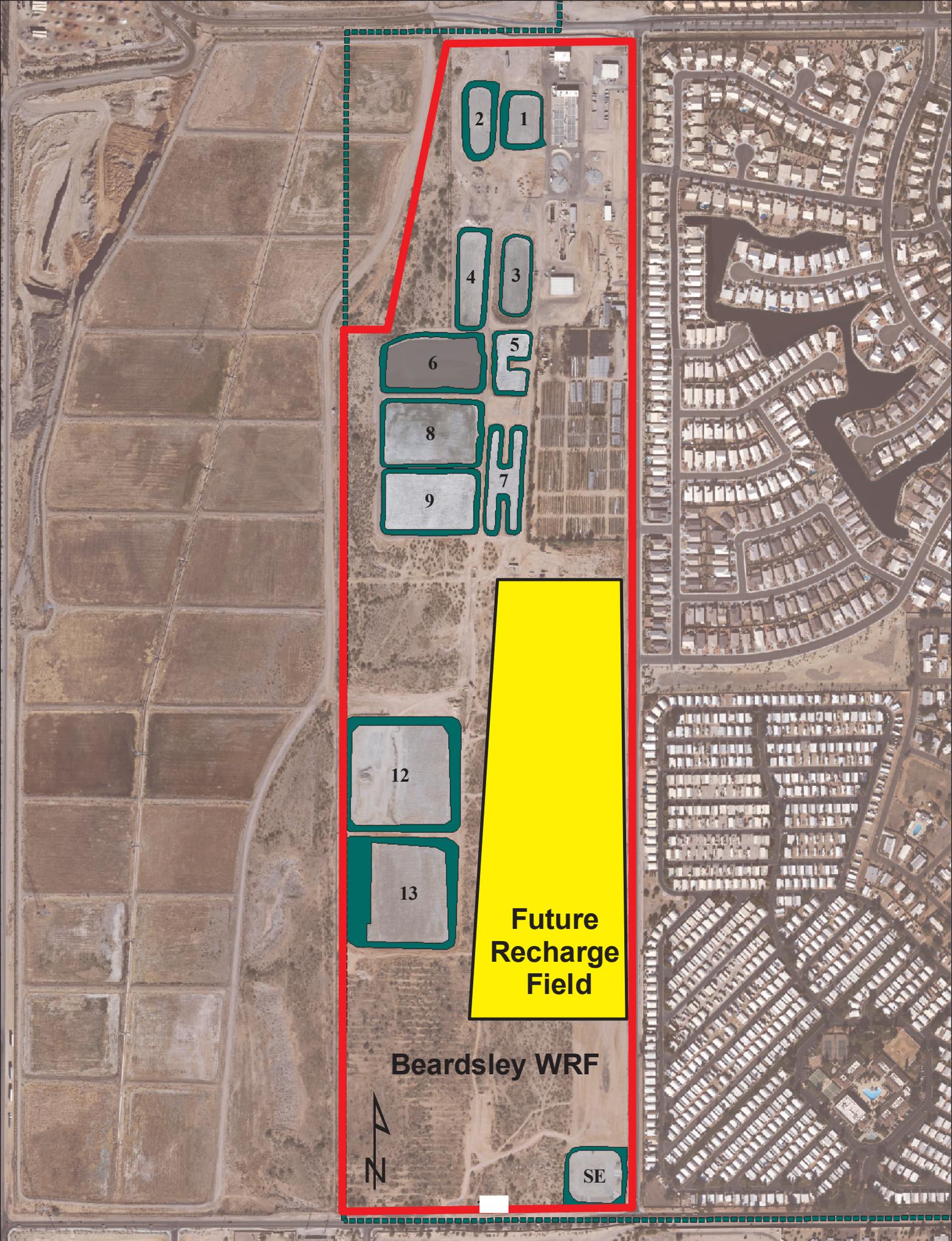
- Wastewater Utility Fund Wastewater System Account 2400-2550-543003-CIPWW-UT00300 (\$244,715)
- Grant Fund Wastewater System Account 7860-7810-543003-CIPWW-UT00300 (\$237,702)
- Water Utility Fund Water System Account 2050-2140-543002-CIPWR-UT00300 (\$308,880),
- Grant Fund Water System Account 7860-7810-543002-CIPWR-UT00300 (\$308,879)

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ATTACHMENT:

1. Location Map

PREPARED BY: Joe Kurrus, P. E., Engineering Supervisor



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**Future
Recharge
Field**

Beardsley WRF



SE

The contract
pertaining to this
agenda item is on file
in the City Clerk's
Office.