

**CITY OF PEORIA, ARIZONA  
COUNCIL COMMUNICATION**

CC: 18C  
Amend No. \_\_\_\_\_

Date Prepared: June 13, 2008

Council Meeting Date: July 1, 2008

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**TO:** Carl Swenson, City Manager

**FROM:** Stephen L. Bontrager, Utilities Director 

**THROUGH:** Shawn Kreuzwiesner, Engineering Manager 

**PREPARED BY:** Leisa Burdine, Civil Engineer 

**SUBJECT:** Approve Contract Amendment No. 4 with Brooks Engineering & Surveyors, Inc. for additional design services in association with the 24-inch water line on 79<sup>th</sup> Avenue from Greenway Road to the Sports Complex reservoirs, and authorize the use of reserves and a budget transfer in the amount of \$8,295 from the Water Operating fund. Contract No. LCON09903, Capital Improvement Project UT00034, Solicitation No. P04-0006.

**RECOMMENDATION:**

That Mayor and Council approve Contract Amendment No. 4 with Brooks Engineering & Surveyors, Inc. (BROOKS) for additional design services in association with the 24-inch water line on 79<sup>th</sup> Avenue from Greenway Road to the Sports Complex reservoirs for an amount not-to-exceed \$8,295. Staff also recommends the use of reserves and a budget transfer from Water Contingency fund 2050-2050-570000 in the amount of \$8,295 to Water Utility account 2050-2140-543002-CIPWR-UT00034. Payment will be made from the Water Utility account 2050-2140-543002-CIPWR-UT00034.

**SUMMARY:**

The 24-inch water line on 79<sup>th</sup> Avenue from Greenway Road to the Sports Complex reservoirs (Refer to Exhibit "A") will deliver water from the Greenway Water Treatment Plant transmission line to the reservoirs located at the Sports Complex reservoir site for peak demand use.

On January 6, 2004, a design services contract was awarded to BROOKS in an amount of \$498,286.00. The original design services contract was for the following three water line projects.

1. 16-inch water line on Country Gables (79<sup>th</sup> Avenue to 83<sup>rd</sup> Avenue)
2. 24-inch water line on 79<sup>th</sup> Avenue (Greenway Road to Sports Complex reservoirs)
3. 30-inch water line on Lake Pleasant Road (Rose Garden Lane to Beardsley Road)

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**CITY CLERK USE ONLY:**

- Consent Agenda
- Carry Over to Date: \_\_\_\_\_
- Approved
- Unfinished Business (Date heard previous: \_\_\_\_\_)
- New Business

ORD. # \_\_\_\_\_ RES. # \_\_\_\_\_  
LCON# 09903D LIC. # \_\_\_\_\_  
Action Date: \_\_\_\_\_

In July 2004, Contract Amendment No. 1 was approved in the amount of \$5,771 for additional field survey and geotechnical work for the design of the Country Gables 16-inch water line . In December 2004, Contract Amendment No. 2 was approved in the amount of \$8,352 for the design of monitoring and controls systems for the 24-inch water line located on 79<sup>th</sup> Avenue from Greenway Road to the Sports Complex reservoirs. In August 2006, Contract Amendment No. 3 was approved in the amount of \$34,160 for additional construction management for the 24-inch water line on 79<sup>th</sup> Avenue from Greenway Road to the Sports Complex reservoirs.

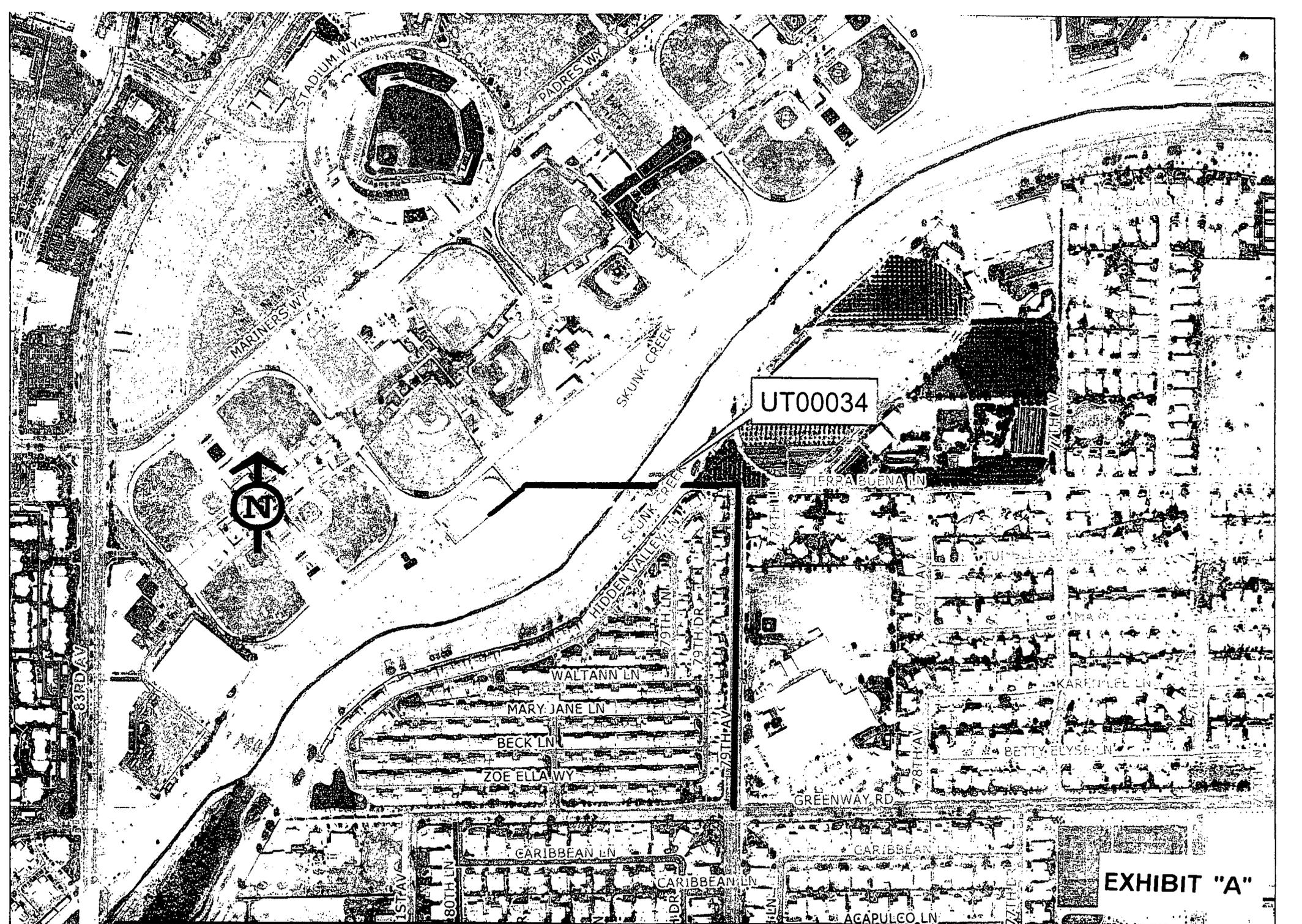
During the construction of the 24-inch water line on 79<sup>th</sup> Avenue, it was brought to staffs' attention that additional electrical and instrumentation design, inspection, and programming was needed to ensure the project met the functional needs of the City. Contract Amendment No. 4 provides funding to ensure that the Sports Complex reservoir site will communicate correctly with the Greenway Water Treatment Plant site for an amount not-to-exceed \$8,295. The use of reserves is needed and a budget transfer from the Water Contingency fund 2050-2050-570000 in the amount of \$8,295 to the Water Utility account 2050-2140-543002-CIPWR-UT00034. Payment will be made from the Water Utility account 2050-2140-543002-CIPWR-UT00034.

The following table summarizes the proposed contract funding.

ITEM	AMOUNT
Original Contract Value	\$ 498,286.00
Contract Amendment No. 1 (Additional Field Survey)	\$ 5,771.00
Contract Amendment No. 2 (Design of Electronic System Monitoring & Controls)	\$ 8,352.00
Contract Amendment No. 3 (Additional Construction Management)	\$ 34,160.00
Contract Amendment No. 4 (Additional electrical and instrumentation design, inspection and programming)	\$ 8,295.00
<b>REVISED CONTRACT TOTAL</b>	<b>\$ 554,864.00</b>

ATTACHMENT(s):

- Exhibit "A" – Area Map
- Exhibit "B" - BROOKS Contract Amendment No. 4



UT00034

EXHIBIT "A"

24-inch Water line - 79th/Greenway - Peoria Sports Complex - UT00034

201 East Washington Street  
Suite 500  
Phoenix, AZ 85004  
Tel: (602) 567-4000  
Fax: (602) 567-4001

EXHIBIT "B"

July 25, 2007

BROWN AND  
CALDWELL

Mr. Matt Tsark  
Brooks Engineers & Surveyors, Inc.  
4602 East Elwood Street, Suite 16  
Phoenix, Arizona 85040

Subject: 79<sup>th</sup> Avenue Waterline Project

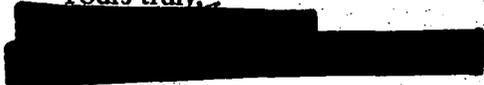
Dear Mr. Tsark,

Brown and Caldwell's (BC) entire cost to do the electrical and instrumentation design, inspection and programming was \$8,000. Due to events beyond our control, we have had to make numerous trips to complete our scope. As an example, the Contractors were not complete with their work when we showed up for a scheduled start up on more than one occasion. It was discovered on another trip that the wrong remote Input/Output (I/O) module was installed and needed to be ordered. In another instance, BC showed up to load and test the program, but the Contractor did not show up to support the testing as was scheduled. There also have been issues with the existing PLC software that have caused additional work.

Based on these issues, BC is requesting a change order for \$8,295.00. This will compensate BC for the additional hours used to complete the project.

Please contact me if you have any questions.

Yours truly,

  
Jim Fordyce  
Project Manager  
Brown and Caldwell

JF:lm

July 30, 2007

Ms. Leisa Burdine, P.E.  
City of Peoria  
Utilities Department  
8401 West Monroe Street  
Peoria, AZ 85345

Subject: **Change Order 004- Additional Construction Phase Services**  
**79<sup>th</sup> Avenue 24" Waterline**  
**Project No. P04-0006**



**BROOKS**  
**ENGINEERS &**  
**SURVEYORS**  
**INC.**

Since 1982

Dear Ms. Burdine,

As a result of additional work required to complete the 79<sup>th</sup> Avenue Waterline Project, Brooks Engineers & Surveyors, Inc. (Brooks) is submitting the following change order for a revision to the Post-Construction Phase services provided to the City of Peoria (City).

This proposal is submitted on behalf of Brown & Caldwell (B&C), as a subconsultant to BROOKS, for the reasons stated in their letter. A copy of this letter is attached. The total cost to complete these additional services will be \$16,295. This is an increase of \$8,295 to the previously approved budget of \$8,000.

Should you require any additional information, please let us know.

Sincerely,

**BROOKS ENGINEERS & SURVEYORS, INC.**



Matthew K. Tsark, P.E.  
Project Manager

CC: Project File (91604FF)

Attachments: (1) B&C Change Order Request



# CONTRACT AMENDMENT

## Change Order

Materials Management  
Procurement

8314 W. Cinnabar Ave.  
Peoria, AZ 85345  
Telephone: (623) 773-7115  
Fax: (623) 773-7118

Buyer: Christine Finney

Solicitation No.: P04-0006 Page 1 of  
Amendment No.: Four (4) Date: June 4, 2008

ORIGINAL

Project No.: Agreement Date: 01/08/2004

Project Description: Various Waterlines Completion Date:

Change Order Type:  Owner Initiated  Errors & Omissions  Unknown Conditions

The changes as shown on the attached sheet are hereby made to the contract.

### Contract Price Change:

Original Contract Price:	\$498,286.00
Total of previous change orders:	\$48,283.00
Original contract price plus previous change order(s):	\$546,569.00
The contract price due to this change order will be increased/decreased by:	\$8,295.00
The new contract price including this change order will be:	\$554,864.00

### Contract Time Change:

The contract time will be increased by N/A days.

The new date for completion of all work will be N/A

Contractor hereby acknowledges receipt and agreement. A signed copy shall be filed with the City of Peoria, Materials Management Division.

Signature

6/13/08  
Date

Corporate Secretary  
Matthew S. Richards  
Typed Name and Title

Brooks Engineering &  
Surveyors, Inc.  
Company Name

4602 E. Elwood St, #16

Address

Phoenix

City

AZ

State

85040-1960

Zip Code

Attested By:

Mary Jo Kief, City Clerk

Leisa Burdine, Civil Engineer

Christine Finney, Buyer

15C 070108  
CC Number

Approved By: Herman F. Koebergen, Materials Manager

LCON 09903D  
Contract Number

Approved as to Form: Stephen M. Kemp, City Attorney

The above referenced Contract Amendment is hereby Executed

\_\_\_\_\_, \_\_\_\_\_, at Peoria, Arizona

City Seal

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Official File

Carl Swenson, City Manager