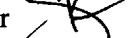




## LOGISTICS MEMORANDUM

# 07-03

May 24, 2007

**TO:** Honorable Mayor Kathleen M. Novak and City Council Members

**FROM:** A.J. Krieger, City Manager   
Kurt Kowar, Logistics Center Manager   
Amy Ward, Civil Engineer II 

**SUBJECT:** CR-44-Water Treatment Plant (WTP) Clearwell Expansion Design Contract,  
Amendment #1, Additional Design Services

### RECOMMENDATION:

Attached to this memorandum is a Resolution which, if approved, would authorize the Mayor to execute Amendment #1 to the Professional Services Agreement between the City of Northglenn and The Engineering Company (TEC) for additional design services. Staff recommends approval of the proposed amendment.

### BACKGROUND:

On August 10, 2006, the City Council approved Staff Report 06-22 to execute a Professional Services Agreement (PSA) between the City and TEC to complete the design of the WTP Clearwell /Administration Addition. The design scope of the PSA included an expansion of the existing clearwell and a new administration building for the WTP.

Amendment #1 addresses additional costs incurred by TEC increasing the size of the clearwell, adding a meter vault and overflow structure, and providing additional bid services.

The original request for proposal specified a 125,000 gallon clearwell expansion based on the *Evaluation of Potable Water Storage Distribution and Pumping Systems*, performed by Integra Engineering in 1998. However, during design the originally proposed size was increased to 330,000 gallons due to recent updates to the Colorado Department of Health and Environment regulations. This increase required additional structural engineering to complete the design.

Second, The Engineering Company was requested to add an overflow structure and relocate a meter vault that was not addressed in the original request for proposal. These components became identified in the preliminary design analysis and are a necessary part of the final design.

Lastly, to receive outstanding insurance monies per CIRSA requirements from the previous administration facility fire, it became necessary to split the construction of the administration building and clearwell expansion into two separate projects. The additional costs incurred for this split are to cover the modification of project drawings and specifications to accommodate two separate stand alone projects.

### POTENTIAL OBJECTION:

City Staff is not aware of any specific opposition to the proposed Amendment #1.

### BUDGET/TIME IMPLICATIONS:

The cost of Amendment #1 for Additional Design Services as proposed is \$47,151.30. There are sufficient funds in the 2007 Water Treatment Plant Clearwell project budget, account 502.69264.000.3999.749.

### STAFF REFERENCE:

Please contact Kurt Kowar, Logistics Center Manager at [kkowar@northglenn.org](mailto:kkowar@northglenn.org), or (303) 349-3772.

SPONSORED BY: COUNCIL MEMBER MONROE

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-44  
Series of 2007

\_\_\_\_\_  
Series of 2007

A RESOLUTION APPROVING A FIRST ADDENDUM TO THE AGREEMENT FOR PROFESSIONAL SERVICES BETWEEN THE CITY OF NORTHGLENN AND THE ENGINEERING COMPANY

WHEREAS, the City of Northglenn entered into a Professional Services Agreement dated August 10, 2006 with The Engineering Company for civil engineering services; and

WHEREAS, the parties desire to supplement the Agreement with the attached Addendum #1 to allow for an additional scope of services for the Water Treatment Plant Clearwell/Administration Building design services.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

The First Addendum to the Professional Services Agreement between the City of Northglenn and The Engineering Company is hereby approved and the Mayor is authorized to execute same on behalf of the City of Northglenn.

DATED, at Northglenn, Colorado, this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
KATHLEEN M. NOVAK  
Mayor

ATTEST:

\_\_\_\_\_  
DIANA L. LENTZ, CMC  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
COREY Y. HOFFMANN  
City Attorney

**ADDENDUM #1 TO AGREEMENT FOR PROFESSIONAL SERVICES**

THIS FIRST ADDENDUM TO AGREEMENT FOR PROFESSIONAL SERVICES is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2007, by and between the CITY OF NORTHGLENN, State of Colorado (hereinafter referred to as the "City") and THE ENGINEERING COMPANY (hereinafter referred to as "Consultant").

**RECITALS:**

A. On August 10, 2006, the City and Consultant entered into an Agreement for Professional Services for civil engineering services (the "Agreement").

B. The parties desire to supplement the Agreement with this Addendum #1 to allow for an additional scope of services for the design services for:

**Exhibit A, Water Treatment Plant Clearwell/Administration Additional Design Services**

**AGREEMENT**

NOW, THEREFORE, it is hereby agreed that for the consideration hereinafter set forth, that Consultant shall provide to the City, professional engineering services as needed in the manner provided in the Agreement.

1. The Scope of Services in the Agreement is hereby supplemented to include the scope of services for the design services attached hereto as **Exhibit A**, and incorporated herein by this reference (the "Additional Scope of Services"). Consultant shall commence work on the Additional Scope of Services within ten (10) days of the issuance of a Notice to Proceed.

2. Subparagraph A. of Article IV entitled "Compensation" is hereby amended to provide as follows:

A. Compensation shall not exceed \$47,151.30 for the work described in **Exhibit A** to this Addendum #1.

3. The original Agreement is in full force and effect and is hereby ratified by the City and the Consultant. The original Agreement and this Addendum constitute all of the agreements between the City and the Consultant.

IN WITNESS WHEREOF, the parties hereto each herewith subscribe to the same in duplicate.

**CITY OF NORTHGLENN, COLORADO**

By: \_\_\_\_\_  
Kathleen M. Novak  
Title: Mayor

ATTEST:

\_\_\_\_\_  
Diana L. Lentz, City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
Corey Y. Hoffmann, City Attorney

**CONSULTANT**

By: [Signature]  
Vice-President 5/16/07  
Title Date

ATTEST:

[Signature]  
Secretary 5/16/07  
Title Date

FILE: 06-053.05 COR



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Fort Collins, CO 80525

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May 9, 2007

Amy Ward, P.E.  
City of Northglenn  
P.O. Box 330061  
Northglenn, Colorado 80233-8061

ATTN: Amy Ward, P. E.

RE: Additional Costs for Water Treatment Plant Clearwell and Administration Building Design

Dear Ms. Ward:

I am writing to modify our request for additional costs incurred during the design of the Clearwell and Administration Building as described in our letter dated February 16, 2007. Our revised request is outlined below.

Additional Bid

TEC Labor	\$	14,954.75
TEC Expenses	\$	64.99
Subs		
Arch	\$	2,635.50
Elect	\$	2,373.00
Mechanical	\$	313.95
Requested Change	\$	20,342.19

Previously-Approved Additional Work

Meter Vault	Hours	Cost
Project Manager I	36	\$ 3,600.00
Design Technician I	16	\$ 1,184.00
Principal II	4	\$ 556.00
Subtotal		\$ 5,340.00
Overflow/dechlorination	Hours	Cost
Project Manager I	40	\$ 4,000.00
Design Technician I	24	\$ 1,776.00
Principal II	4	\$ 556.00
Subtotal		\$ 6,332.00
Requested Change	Total	\$ 11,672.00

Amy Ward, P.E.  
City of Northglenn  
May 9, 2007  
Page 2

Requested Increase

We request your consideration of an increase for additional costs incurred due to the increased size of the clearwell and pumping station that were necessary to meet regulatory requirements. We have changed from the proposed 125,000 gallon clearwell and 4 mgd pumping station to a 320,000 gallon clearwell and 10 mgd pumping station. Additional electrical costs were also incurred due to the condition of the existing breakers. The estimated total project costs incurred by TEC are shown below.

Total Design Costs To Date (not incl. additional work above)		\$ 108,495.43
Estimated Work Remaining	+	\$ 15,081.80
Contract Amount	-	\$ 93,303.00
		<hr/>
		\$ 30,274.23

More detailed information is contained in our letter dated March 23, 2007.

Based on our discussions, TEC proposes to share the increased cost with the City so that the requested increase is \$15,137.11.

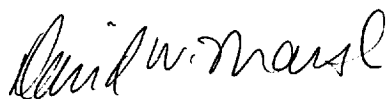
Summary of Request

The total requested change is summarized below.

Additional Bid		\$ 20,342.19
Previously Approved Additional Work		\$ 11,672.00
Requested Increase		\$ 15,137.11
Total Requested		<hr/>
		\$ 47,151.30

We would be pleased to meet with you to discuss this request and to answer any questions you may have.

Sincerely,



David W. Marsh, P.E.  
Project Manager  
The Engineering Company

**TEC HOURLY RATE SCHEDULE**

<b>Classification</b>	<b>Hourly Rate</b>
Principal III	\$148.00
Principal II	\$139.00
Principal I	\$120.00
Project Manager II	\$115.00
Project Manager I	\$100.00
Senior Engineer	\$88.00
Project Engineer II	\$83.00
Project Engineer I	\$80.00
Design Engineer II	\$74.00
Design Engineer I	\$70.00
Resident Observer II	\$85.00
Resident Observer I	\$70.00
Surveying Manager	\$92.00
Surveying Party Chief II	\$61.00
Surveying Party Chief I	\$55.00
Network Administrator	\$86.00
Design Tech II	\$79.00
Design Tech I	\$74.00
CAD Operator II	\$60.00
CAD Operator I	\$62.00
GIS Analyst	\$62.00
Office Support	\$43.00
Mileage	\$0.50/mi.
Robotic Leica	\$45.00
GPS	\$60.00