

## City Council Action Report

Date: January 9, 2006  
Subject: Wastewater Treatment Plant Improvements - New Effluent Pipeline  
Design Services  
Strategic Council Goal: Goal # 2

### **Recommended Action and Major Considerations:**

- Authorize the Mayor to execute the attached Amendment #2, Effluent Pipeline Design Services, between the City of Northglenn and Integra Engineering of Denver, Colorado, for an amount of \$15,417. Authorization of Amendment #2 shall bring the total contract to not exceed \$2,389,584.
- This amendment meets Council's Goal of Upgraded City Infrastructure and Facilities.
- Amendment #2 will support the effort to improve the marketability of the WWTP as a regional facility, provide greater flexibility to implement the Cities Integrated Water Resources Management plan. In addition, construction of the pipeline will proactively position the City for compliance with Colorado Department of Public Health and Environment new permit limits that may be imposed in the 2007 permit renewal.

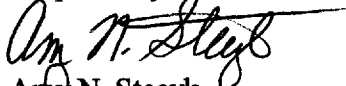
### **Background and Other Information:**

- In Staff Report No. 04-18 City Council authorized the Mayor to execute amendment #1 with Integra Engineering for construction management during the construction of the expanded facility. City staff is very satisfied with the quality of their work on the project to date.
- Construction of the effluent pipeline was a part of the original design and was bid as an alternate. Due to funding limitations at the time of award, the pipeline was not included in the original construction contract. Amendment #2 supports the construction of this effluent pipeline. The scope of work in this amendment specifically includes redesign to increase the size of the pipe and permitting support with the state. The increased size will allow the pipeline to serve larger flows.


### **Budget Information:**

- Contingency from the wastewater plant expansion project will be used to fund this amendment.
- The Finance Department has verified that these funds are available and can be used for this amendment.


Respectfully Submitted:

  
Amy N. Stecyk,  
Civil Engineer I

Approved for Submittal:

  
Phil Nelson  
City Manager

Funding Available:

  
Brent Worthington  
F.I.S.S. Manager

**COUNCIL ACTION TAKEN:**

## AMENDMENT 2

**PROJECT NAME:** Wastewater Treatment Plant Engineering Design Services

**STAFF REPORT NUMBER:** SR 06-02

THIS AMENDMENT to the AGREEMENT, made this 11<sup>th</sup> day of January, 2006, by and between the City of Northglenn, hereinafter called "CITY" and Integra Engineering hereinafter called "CONSULTANT".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONSULTANT will commence and complete the design services defined in:

AMENDMENT 2. EFFLUENT PIPELINE DESIGN SERVICES

2. The CONSULTANT will furnish all of the professional services necessary for the completion of the PROJECT described herein.

3. The CONSULTANT will commence the work required by the CONSTRUCTION MANAGEMENT SERVICES within 10 (ten) days after the date of the NOTICE TO PROCEED and will complete same within 100 days unless the period for completion is extended otherwise by the CITY.

4. The CONSULTANT agrees to perform the WORK described in AMENDMENT 2 EFFLUENT PIPELINE DESIGN SERVICES and comply with the terms therein for the sum of \$15,417.00, or as otherwise agreed upon by the CITY and the CONSULTANT. The total cost of engineering services authorized under the original Agreement for design services and Amendment 1 plus this AMENDMENT 2 shall not exceed \$2,389,584.00 without prior written authorization from the CITY.

5. The term "EFFLUENT PIPELINE DESIGN SERVICES" means and includes all items as set forth in the written document submitted to the CITY on January 11, 2006 by the CONSULTANT.

6. The CITY will pay the CONSULTANT on a monthly basis in accordance with the CITY's accounts payable schedule.

7. This AMENDMENT 2 to the AGREEMENT shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this AMENDMENT 1 to the AGREEMENT in duplicate, each of which shall be deemed an original on the date first written above.

**City of Northglenn**

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

ATTEST:

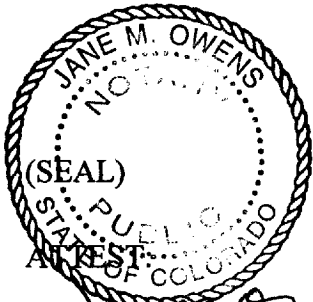
\_\_\_\_\_  
Name \_\_\_\_\_  
Title \_\_\_\_\_  
(SEAL)

APPROVED AS TO FORM:

\_\_\_\_\_  
Herbert C. Phillips, City Attorney

CONSULTANT:

By Michael P. Lutz  
Name Michael P. Lutz  
(Please Type or Print)  
Title \_\_\_\_\_



My Commission Expires 2/15/2006  
Name Jane M. Owens  
(Please Type or Print)  
Title Notary Public

# Northglenn Wastewater Treatment Plant Scope of Engineering Services

## Amendment 2

### Fee Estimate

Table A2-1 provides an estimate of the level of effort and cost for each task described in the Scope of Engineering Services for Amendment 2. Total cost for Amendment 2 shall not exceed \$15,417 without prior written authorization from the City.

**Table A2-1 Northglenn Effluent Pipeline CM Cost Estimate**

Item	Quantity	Cost, dollars
<b>42" Pipeline Design</b>		
Engineering Design, hrs	62	6,011
Easements, legal desc.	1	800
<b>Total</b>		<b>6,811</b>
<b>Amend Site Application</b>		
Labor, hrs	48	5,460
Expenses		500
Amend Permit to include two new outfall sewer locations		0
Labor, hrs	24	2,646
<b>Total</b>	<b>48</b>	<b>8,606</b>
<b>Total Cost</b>		<b>15,417</b>

\* Design services include the design and preparation of contract drawings to upgrade the original 30" effluent pipeline to a 42" pipeline.

Cost estimate based on negotiation of pipeline construction as change order to existing construction contract. Cost estimate does not include public bidding and award.

Site Application amendment includes required engineering documents with evaluation of service area, site selection, consolidation analysis, flood plain, geotechnical, easements, schedule, financing, and evidence of signs notifying public of alignment and discharge location.

For the services described in Amendment 2, Integra Engineering shall be compensated based upon hourly billing rates plus expenses incurred directly for the project. Hourly billing rates and charges for expenses shall be standard 2006 rates.

Table A2-2 summarizes the original contract and amendments to date. Total project cost for all services provided under this Agreement shall not exceed \$2,389,584 without prior written authorization.

**Table A2-2 Summary of Agreement and Amendments**

Item	Description	Cost, dollars
Original Contract	Planning and Design	1,295,900.00
Amendment 1	Construction Engineering (CM)	1,078,267.00
Amendment 2	Effluent Pipeline Design	15,417.00
Total		2,389,584.00