

August 23, 2006

Mr. Roger Huff
Technical Support Manager
City of Columbus Division of Water
Utilities Complex, 3rd Floor
910 Dublin Road
Columbus, Ohio 43215-1116

RE: SOUTH WELLFIELD EXPANSION
PROJECT NO. 690359
CONTRACT NO. EA025198-002, DOW CT. No. 1000

Dear Mr. Huff:

Please consider this letter as our request to modify our existing engineering agreement dated January 25, 2002 for the above referenced project.

Section VII – Suspension of Work of the Engineering Services Agreement states that *“If suspension, delay or interruption by direction of the City causes an increase in the Engineer’s cost of performance of the balance of the work, the City agrees to consider the Engineer’s claim to cover such increased costs at such time as the City may direct the resumption of the work.”* URS wishes to modify the existing contract dated January 25, 2002, between the City of Columbus, Ohio and URS Corporation for Engineering Services related to the South Wellfield Expansion – Well Installation Project No. 690359 (DOW Contract No. 1000). The reasons for this requested modification are as follows:

- 1) to change the contract expiration date from September 24, 2004 to December 31, 2008,
- 2) to adjust wage rates for the years 2006 through 2008,
- 3) to finalize plans and specifications for the collector wells and vertical wells that were placed on hold by the City in August 2003, and
- 4) to increase the scope of work and associated engineering fees to allow for the collector wells and vertical well projects to be bid and constructed as individual projects (5 separate contracts) in lieu of the originally anticipated 3 separate contracts.

Background:

The City currently owns and operates four collector wells in southern Franklin County that provide the source of supply of the Parsons Avenue Water Plant (PAWP). These collector wells include CW-101, CW-103, CW-104 and CW-115. An additional collector well (CW-120) has

been designed in the vicinity of the PAWP and is currently under final review by the City prior to bidding. The City placed work on Collector Wells 106, 201, 202 and Vertical Wells 251, 252 and 253 on hold in August 2003 at approximately the 70% submittal stage to allow for the completion of the Parsons Avenue Water Plant (PAWP) Concept Plan, which evaluated the impacts of gravel/rock mining on the PAWP well field. That Plan has been completed and delivered to the City. Also, CW-106 was put on hold due to acquisition of additional property to satisfy OEPA isolation distance requirements. Additionally, final designs for Collector Wells 201 and 202 and Vertical Wells 251, 252 and 253 were put on hold due to ODOT US23/easement acquisition issues. The City now wishes to finalize the Collector/Vertical well designs and proceed with the bidding and construction phases of the project.

Since many of the Engineering Services are going to be performed 3 to 4 years later than originally anticipated, direct salaries and expenses need to be increased to account for the average inflation during this period. The Average Annual Consumer Price Index (CPI) for Midwest Urban areas is shown in the Table below:

Table: Historical Consumer Price Indices

YEAR	AVERAGE ANNUAL CPI
2002	174.9
2003	178.3
2004	182.6
2005	188.4
2006	192.0
Percent Increase from 2002 to 2006	+ 9.8 %

Source: US Department of Laobr, Bureau of Labor Statistics

The above table shows the total CPI inflation rate from the year 2002 through May of 2006 was 9.8 percent. Therefore, the balance of services not yet performed under this contract is requested to be increased by 9.8%. These costs, along with scope of work changes are described in more detail below and broken down in that attached Schedule A.

MODIFICATIONS TO SCOPE OF SERVICES

A. DESIGN/SCOPE CHANGES: During the course of work under the existing contract, URS was requested by the City to perform additional tasks, which requires a modification to the Engineering Agreement. This additional work is described as follows:

Task 1: Update and Complete Plans and Specifications for Collector Wells.

URS will review the 70% plans and specifications completed for Collector Wells 106, 201 and 202 in August 2003 and update said plans and specifications to include the City's review comments current design standards and requirements.

Task 2: Update and Complete Plans and Specifications for Vertical Wells.

URS will review the 70% plans and specifications completed for Vertical Wells 251, 252 and 253 in August 2003 and update said plans and specifications to include the City's review comments from CW-120 reviews, as applicable.

Task 3: Prepare survey/legal documents for CW-106 additional property.

Site CW-106 required an additional 8.355 acres to meet the Ohio EPA isolation / sanitary setback control distances. URS prepared the necessary Plat and Legal Description of required property and delivered it to the City.

Task 4: Bidding & Construction Administration Services.

URS shall prepare bidding documents for each Collector Well and Vertical Well project. It is assumed that each collector well will be bid individually (four contracts) and that the three (3) vertical wells will be bid as one contract (total of five construction contracts). The original Engineering Agreement assumed that the construction of the wells would be performed under a maximum of three construction contracts. This modification is based on increasing the Bidding and Construction Services from three (3) contracts to a total of five (5) construction contracts.

The level of effort for professional services required during the Testing & Performance Evaluation and Project Startup/Closeout services will be increased due to the administration of five (5) construction contracts in lieu of three (3) contracts. We have added 30 percent to the original budgets for these tasks to account for this increased effort.

No increases (other than wage rate inflation) in project inspection services are requested at this time. The contract allows for 18 months of project inspection time. These services may need to be increased in the future depending on the timing of the construction contracts.

B. ADDITIONAL SERVICES (PICKAWAY COUNTY IMPACT EVALUATION):

Additional effort identified to be completed under this phase of the project is noted below:

Task 1: Groundwater Modeling – This work has been completed and no additional modification is required for this work.

Task 2: Well Surveys – This work was put on hold until the completion of the PAWP Concept Plan. The Pickaway County well surveys were about 70% complete at the time the

project was put on hold. The well surveys need to be completed and documented. Additionally, new developments and new homes have been built in the survey area. The original scope of work included about 100 well surveys. We now estimate that there are a total of about 168 wells to be surveyed. Presently, 118 surveys have been completed.

Task 3: Impact Mitigation Plan – No work has been initiated on this task. The budget for this task needs to be increased due to time delays and increased labor rates.

Task 4: Meeting and Responses to Concerns – Two meetings have been held to date and several more coordination Public Participation meetings are envisioned. The balance of this budget needs to be increased to account for the time lag in completing this work.

C. SCHEDULE:

The original contract completion time shall be extended until December 31, 2008. This Completion date is based on the City authorizing bidding of all Collector and Vertical well projects by January 31, 2007

We thank you in advance for your consideration of this request to modify our existing engineering services agreement. Should you have any questions concerning the information contained herein, please do not hesitate to contact me.

Sincerely,
URS Corporation

Stephen H. Henson, P.E.
Project Manager

Cc: File 14572147 (3.1.1)

Schedule A
Breakdown of Estimated Costs – Modification Request 8/23/06
Columbus South Wellfield – Contract No. 1000

A-1 Additional fee required to update & finalize Plans & Specs for Collector Wells (CW 106, 201 and 202)

	Direct Labor				Increase in Fee Requested
	Hours	Rate	Mult.	Cost	
Project Manager	32	\$ 70	2.9	\$ 6,496	
Design Engineer	96	\$ 32	2.9	\$ 8,909	
Cadd Designer	72	\$ 30	2.9	\$ 6,264	
Technical Support	48	\$ 19	2.9	\$ 2,645	
Subtotal					\$ 24,314

A-2 Additional fee required to update & finalize Plans & Specs for Vertical Wells (VW 251, 252, & 253)

	Direct Labor				Increase in Fee Requested
	Hours	Rate	Mult.	Cost	
Project Manager	24	\$ 70	2.9	\$ 4,872	
Design Engineer	64	\$ 32	2.9	\$ 5,939	
Cadd Designer	48	\$ 30	2.9	\$ 4,176	
Technical Support	32	\$ 19	2.9	\$ 1,763	
Subtotal					\$ 16,750

A-3 Additional fee required to prepare Plat and Legal Description for Site CW-106

	Direct Labor				Increase in Fee Requested
	Hours	Rate	Mult.	Cost	
Field Survey Crew (2 men)	16	\$ 54	2.9	\$ 2,506	
Property/Document Research	4	\$ 35	2.9	\$ 406	
Survey Calculations	6	\$ 35	2.9	\$ 609	
Legal Description	5	\$ 35	2.9	\$ 508	
Plat Preparation	8	\$ 35	2.9	\$ 812	
Proj. Mgmt. & Mtgs w/ Prop. Owners	5	\$ 70	2.9	\$ 1,015	
Subtotal					\$ 5,855

A-4 Increase due to Administering 5 Construction Contracts in lieu of 3 Construction Contracts.

Bidding Phase (2 add. Contracts)	\$ 24,000	(2 contracts x \$12,000 each)	
Construction Administration	\$ -	Already included in contract	
Project Inspection	\$ -	Depends on timing of when contracts are bid/constructed	
Testing & Performance Eval.	\$ 10,500	Add 30% to original contract amount	
Startup/Closeout	\$ 4,500	Add 30% to original contract amount	
Subtotal			\$ 39,000

B Additional Services for Pickaway County Impact Evaluations

	Original Contract Amount	Additional \$ Required to complete job	
B-1 Groundwater Modeling	\$ 28,231	\$ -	Already complete - No additional work required
B-2 Well Surveys (Existing + Expanded)	\$ 24,461	\$ 17,353	30% of work remain (\$24,461 x 0.3 x .098) + increase number of wells to be surveyed by 68%.
B-3 Impact Mitigation Plan	\$ 28,665	\$ 2,809	Budget of \$28,665 x 9.8%
B-4 Meetings/Responses to Concerns	\$ 35,042	\$ 3,434	Budget of \$35,042 x 9.8%
Subtotal			\$ 23,596

C Other Work subject to increased fee due to inflation resulting from delaying the performance of the services.

	Original Contract Amount	9.8% Increase	
Bidding Phase (3 Contracts)	\$ 35,000	\$ 3,430	
Construction Administration	\$ 150,000	\$ 14,700	
Project Inspection	\$ 210,036	\$ 20,584	
Testing & Performance Eval.	\$ 35,000	\$ 3,430	
Startup/Closeout	\$ 15,000	\$ 1,470	
Total Increase due to Project Delays		\$ 43,614	
Subtotal			\$ 43,614
Total Increase Requested			\$ 153,130