ERIE COUNTY WATER AUTHORITY



INTEROFFICE MEMORANDUM

September 11, 2018

To:

Terrence D. McCracken, Secretary to the Authority

From:

Leonard F. Kowalski, Senior Distribution Engineer

Subject: Contract WSA-012 Amendment No.1

Water System Improvements

Towns of Cheektowaga and Amherst ECWA Project No. 201700088

Attached are the following documents:

1. ECWA Authorization Form for processing Professional Service Contract Amendment #1 with Wm. Schutt & Associates Engineering & Land Surveying P.C.

2. Three originals of Professional Service Contract Amendment #1 for the above referenced project.

The Amendment is to increase the Resident Inspection and Resident Inspection Fixed Fee for the above referenced project.

The Authority estimated the inspection hours in the original request for proposal (RFP), which was responded to by the Consultant. There is no accurate means to calculate these costs prior to construction.

Consulting engineering must inspect the work site daily, accounting for material, supplies and equipment on the work site, as well as counting the number and type of laborers being employed on the site. These inspections must take place daily, even when no work is taking place on site. These inspections ensure and verify the accuracy of prevailing wage reports and invoices being submitted for payment and reimbursement. Delays in construction due to unexpected or unforeseen problems or weather-related delays will increase the hours for resident inspections. The Authority estimates these costs based on the size of the construction project and past experience with projects of similar size.

In this case, the hours estimated by the Authority were inadequate to properly provide inspection services for the duration of the construction project and therefore need to be increased to compensate the consultant for the services that were provided.

Construction work cannot continue without daily inspections. If we would have halted inspection services and told the contractor to stop working, the Authority would most likely be subjected to demobilization and remobilization costs associated with the contractor pulling off the job until the inspection services were reestablished. Having the contractor stop work would

- 2 -

adversely affect their schedule and the project would most likely not get done this construction season.

The increased amount reflects the actual construction schedule and site conditions encountered during construction. The following table provides the original contract cost, proposed amendment cost and total contract cost.

	Original Contract	Amendment No.1	Original Contract + All Amendments
Survey	\$38,970.00	\$0.00	\$38,970.00
Design	\$47,950.00	\$0.00	\$47,950.00
General Services	\$33,670.00	\$0.00	\$33,670.00
Estimated Resident Inspection	\$52,560.00	\$73,000.00	\$125,560.00
Estimated Resident Inspection			-
Fixed Fee	\$5,256.00	\$7,300.00	\$12,556.00
Record Drawings	\$16,000.00	\$0.00	\$16,000.00
Estimated Special Services	\$7,000.00	0.00	\$7,000.00
TOTALS	\$201,406.00	\$80,300.00	\$281,706.00

This work is within the original scope of the Professional Services Contract dated April 28, 2017 and the project is adequately funded.

The cost for the contractor to perform the work associated with this project is \$1,878,509.50.

LFK: jmf Attachments cc: R.Stoll

CONT-WSA-012-1701-011

ERIE COUNTY WATER AUTHORITY PROFESSIONAL SERVICES CONTRACT AMENDMENT No. 1

	01700088	Contract No.	WSA-012		
Job No.		EC No.			
OWIP No.		Entered by/Date	lfk 09/11/2018		
Title: V	Vater System Improvements				
	owns of Cheektowaga and				
•	Wm. Schutt & Associates Engineering & Land Surveying P.C.				
Description of Chang Increase 3.D.1 Estima	ge to Contract: ated Resident Inspection and	l Resident Inspection	Fixed Fee.		
Reason for Change: The resident inspection	on fee in the Professional Se	rvices Contract was i	nitially estimated by		
ECWA. The fee is being increased based on the actual construction schedule and site conditions for the project.					
Tot the project.	Total Constitution (Constitution Constitution Constitutio	WHAT I WAS A STATE OF THE STATE	APP Andrews - Application - Ap		
	ng Cost Schedule as follows	S:			
Survey: no change					
Design: no change					
General Services: no		00.00			
Estimated Resident Inspection: increase by \$73,000.00					
Resident Inspection Fixed Fee: increase by \$7,300.00 Record Drawings: no change					
		7- HAVE. 12-MI			
Estimated Special Services: no change					
APPROVED BY:					
Wm. Schutt & Associates Engineering & Land Surveying, P.C.		ERIE COUNTY WATER AUTHORITY			
		a de la serie	State alule		
-William E. Schutt, PE	Date	Russell J. Stoll, PE	hate		
President	_ 	Executive Enginee	r		
Original Contract A	101mt \$201.406.00				
Original Contract Am Amendment No. 1	sount \$201,406.00 \$80,300.00	Jerome D. Schad	T)		
2 Infoliation 140. 1	φου,300.00	Chairman	Date		
TOTAL	\$281,706.00				