



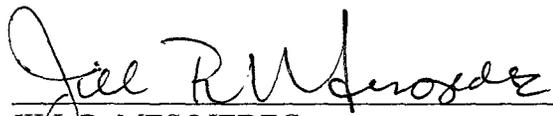
City Attorney's Communication #2016-497
February 10, 2016

TO: Alessandra Delfico, P.E., Engineer
FROM: Jill R. Mesojedec, FRP, Paralegal
VIA: Mark E. Berman, City Attorney 
RE: Resolution – Work Authorization No. 1 / Tetra Tech, Inc.

As requested in your memorandum dated February 4, 2016, Utilities Memorandum No. 16-43, I have prepared and attached the following form of Resolution:

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE WORK AUTHORIZATION NO. 1 IN THE AMOUNT OF \$38,665.00 PURSUANT TO THE CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES BETWEEN THE CITY OF POMPANO BEACH AND TETRA TECH, INC. FOR CONTINUING ENGINEERING SERVICES; PROVIDING AN EFFECTIVE DATE.

Please feel free to contact me if I may be of further assistance.



JILL R. MESOJEDEC

/jrm
l:cor/util/2016-497

Attachment

CITY OF POMPANO BEACH
Broward County, Florida

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE WORK AUTHORIZATION NO. 1 IN THE AMOUNT OF \$38,665.00 PURSUANT TO THE CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES BETWEEN THE CITY OF POMPANO BEACH AND TETRA TECH, INC. FOR CONTINUING ENGINEERING SERVICES; PROVIDING AN EFFECTIVE DATE.

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA:

SECTION 1. That a Work Authorization between the City of Pompano Beach and Tetra Tech, Inc. for the Water Treatment Plant Building Hurricane Hardening Study, a copy of which Work Authorization is attached hereto and incorporated by reference as if set forth in full, is hereby approved.

SECTION 2. That the proper City officials are hereby authorized to execute said Work Authorization between the City of Pompano Beach and Tetra Tech, Inc.

SECTION 3. This Resolution shall become effective upon passage.

PASSED AND ADOPTED this _____ day of _____, 2016.

LAMAR FISHER, MAYOR

ATTEST:

ASCELETA HAMMOND, CITY CLERK



**CITY OF POMPANO BEACH
CONTINUING CONTRACT FOR ENGINEERING SERVICES FOR
WATER AND REUSE TREATMENT PLANT PROJECTS**

**Work Authorization No. 1
Water Treatment Plant Building Hurricane Hardening Study**

I. PROJECT DESCRIPTION

That the services rendered pursuant to this Work Authorization No. 1 are in accordance with the terms and conditions of the Agreement for Consulting/ Professional Services between the City of Pompano Beach and Tetra Tech Inc., dated January 19, 2016 and approved by City Ordinance No. 2016-26.

Tetra Tech, Inc. (Tetra Tech) is pleased to present this proposal for engineering services to prepare a study to identify hurricane hardening elements at specific buildings of the Pompano Beach Water Treatment Plant. This proposal includes our understanding of the scope of work and level of effort necessary to complete this project.

Based on our recent site visit, our understanding of the project is to perform a hurricane hardening study of the Filter, High Service Pump (HSP)/Generator, Chemical, and Sludge Dewatering Buildings at the Water Treatment Plant (WTP), with a tiered approach to the improvements. The results of this study will include opinions of estimated cost, which will be utilized by the City to determine the scope for upgrading or modifying the existing structures in a future project.

II. SCOPE OF WORK

Task 1 – WTP Buildings Hurricane Hardening Study

The study will evaluate specific buildings (Filter, High Service Pump (HSP)/Generator, Chemical, and Sludge Dewatering) at the WTP to identify building component improvements to meet a Risk Category 3, 180-mph wind velocity in Exposure C terrain. The study will evaluate the following items for each building:

- the roofing and structural roof deck system,
- the exterior building walls and lateral force resisting system,
- exterior doors, windows, and louvers.

Task 1.1 – Data Collection, Review, and Documentation

Tetra Tech will collect and review data collected on the existing buildings, including electronic drawings. These drawings will be utilized to create figures within the memorandum. Drawings will not be created in AutoCad.

A site visit will be performed by two Tetra Tech staff to document the size and condition of various building components. WTP staff will escort and assist Tetra Tech staff to access various building components. Estimations will be made for building components which are difficult to access.

Tetra Tech will also attempt to obtain and review recent bids for similar building hardening improvements for use in estimating construction costs.

Task 1.2 – Identify and Quantify WTP Buildings Hardening Improvements

Hardening improvements for the four buildings will be identified, which meet the wind load requirements, improve lighting conditions in those areas requiring improved lighting identified by WTP staff, and provide equivalent airflow/ventilation to the existing conditions.

New building components and anticipated building modifications/improvements will be described and itemized by WTP building to facilitate prioritization.

Task 1.3 – Prepare Planning Level Estimated Construction Costs

A Class 4 planning level opinion of probable construction cost estimate will be prepared. Recent bids for similar building hardening projects will be utilized as a basis for costs. Estimated costs will include engineering and other costs as well as contingencies.

Task 1.4 – Draft Technical Memorandum

Tetra Tech will prepare a draft technical memorandum summarizing data obtained, hardening improvements and building modifications/improvements, and estimated construction costs. Where practical, a tiered approach to the hardening requirements for each building will be provided showing feasible improvements of certain building components that will achieve resistance to wind loads higher than the current design. The intent is to provide the City with information to make decisions based on a cost-benefit analysis. Figures, if required, will be created using electronic data collected. The draft Technical Memorandum will be utilized during in Task 1.5 for prioritization purposes.

Task 1.5 – Prioritization Meeting

A meeting will be coordinated to obtain review comments from the City on the draft Technical Memorandum, to prioritize the building hardening improvements, and to identify subsequent steps for this project.

Task 1.6 – Final Technical Memorandum

Tetra Tech will prepare a final technical memorandum incorporating review comments received from the City and prioritization of the improvements to be incorporated into the City's capital improvement plan. Meeting minutes from the Prioritization Meeting will be included in the final Technical Memorandum as an appendix.

III. ASSUMPTIONS and EXCLUSIONS

We have determined the following assumptions and exclusions as being critical to our proposed scope and compensation:

- The City will provide Tetra Tech copies of all available existing construction plans and specifications.

- Tetra Tech is anticipating one site visit to perform the building investigation work and one meeting with the City to review the results of the report.
- Tetra Tech may need to perform minor destructive testing to ascertain the existing construction. Minor destructive testing may include drilling small diameter holes in existing CMU cells to confirm the location of grouted rebar, small viewing holes in drywall surfaces, exterior excavation with a hand shovel to confirm foundation depths and sizes, etc. The amount of destructive investigation will be minimized to the greatest extent possible. Repair of any wall and ceiling finishes, vegetation, etc. is not part of Tetra Tech's scope of work. The locations for destructive testing will be approved by the City prior to undertaking.
- If the City is seeking any grant funds for this project or future follow on work, Tetra Tech should be provided with the respective document to ensure the recommendations meet any additional requirements not found in the building code.

IV. COMPENSATION

The total Lump Sum compensation for the Scope of Services described in Section II is \$38,665 and will be invoiced monthly on a percentage complete by subtask. The compensation for the Scope of Services by subtask is summarized below.

Task	Description	Fee
1	WTP Buildings Hurricane Hardening Study	\$38,665
Lump Sum Total		\$38,665

V. DELIVERABLES AND SCHEDULES

Tetra Tech's deliverable will be the following in .pdf format and delivered via email:

- Draft WTP Buildings Hardening Study Technical Memorandum – 1 month
- Final WTP Buildings Hardening Study Technical Memorandum – 2 weeks from comments

"CITY":

Witnesses:

CITY OF POMPANO BEACH

By: _____
LAMAR FISHER, MAYOR

By: _____
DENNIS W. BEACH, CITY MANAGER

Attest:

ASCELETA HAMMOND, CITY CLERK

(SEAL)

Approved As To Form:

MARK E. BERMAN, CITY ATTORNEY

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me this _____ day of _____, 2016 by **LAMAR FISHER** as Mayor, **DENNIS W. BEACH** as City Manager and **ASCELETA HAMMOND** as City Clerk of the City of Pompano Beach, Florida, a municipal corporation, on behalf of the municipal corporation, who are personally known to me.

NOTARY'S SEAL:

NOTARY PUBLIC, STATE OF FLORIDA

(Name of Acknowledger Typed, Printed or Stamped)

Commission Number

"CONTRACTOR":

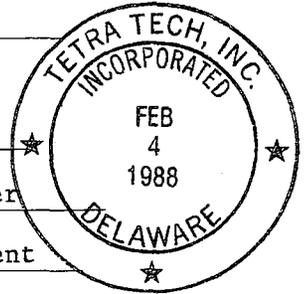
Tetra Tech, Inc.

(Print name of company)

By: _____

Print Name: Leslie L. Shoemaker

Title: Executive Vice President



Witnesses:

Debra Merrill

Karen Miller

ACKNOWLEDGMENT OF CONTRACTOR, IF A CORPORATION

STATE OF _____ }
COUNTY OF _____ } ss:

On this _____ day of _____, _____, before me personally came and appeared _____, to me known, who, being by me duly sworn, did depose and say that he resides at _____, that he is the _____ of Tetra Tech, Inc., the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that one of the impressions affixed to said instrument is an impression of such seal; that he is the proper official of said corporation designated to execute such contract, that he has authority so to do, that he executed same for and in behalf of said corporation, and this his act is the act and deed of said corporation.

Witness my hand and official notarial seal at _____ the day and year above written.

(SEE ATTACHED)

Notary Public

My Commission Expires: _____

CALIFORNIA JURAT WITH AFFIANT STATEMENT

GOVERNMENT CODE § 8202

- See Attached Document (Notary to cross out lines 1-6 below)
- See Statement Below (Lines 1-6 to be completed only by document signer[s], not Notary)

Signature of Document Signer No. 1

Signature of Document Signer No. 2 (if any)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of LOS ANGELES

Subscribed and sworn to (or affirmed) before me

on this 2ND day of FEBRUARY, 2016,
by Date Month Year

(1) LESLIE L. SHOEMAKER

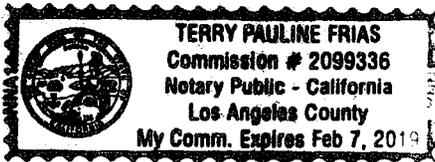
(and (2) _____),

Name(s) of Signer(s)

proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Signature _____

Signature of Notary Public



Seal
Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Price Proposal		Labor Plan							Price Summary / Totals				
		7 Resource							Task Pricing Totals		38,665		
Bill Rate >		210.00	215.00	135.00	165.00	165.00	70.00	225.00	Specify Add'l Fees on Setup		0		
Proj Area >									Technology Use Fee				
									Total Price		38,665		
Contract Type: Lump Sum									Pricing by Resource				
Project Phases / Tasks		Total Labor Hrs	Sr. Project Manager	Sr. Engineer 1	Project Engineer 1	Sr. Architect 2	Project Engineer 2	Project Assistant 2	QA/QC	Labor Rate Esc.	Labor	ODCs	Task Pricing Totals
		257	10	8	139	46	24	24	6	0.00%	37,165	1,500	38,665
1 - WTP Buildings Hurricane Hardening Study		257	10	8	139	46	24	24	6		37,165	1,500	38,665
1.1 - Data Collection, Review, and Documentation		8			4	2		2			1,010		1,010
1.2 - Identify and Quantify WTP Buildings Hardening Improvements		106			68	20	18				15,450	1,500	16,950
1.3 - Prepare Planning Level Estimated Construction Costs		60			40	8	6	4	2		8,440		8,440
1.4 - Draft Technical Memorandum		42	4	4	16	8		8	2		6,190		6,190
1.5 - Prioritization Meeting		9	2		3	2		2			1,295		1,295
1.6 - Final Technical Memorandum		32	4	4	8	6		8	2		4,780		4,780
Totals		257	10	8	139	46	24	24	6	0.00%	37,165	1,500	38,665

CERTIFICATE
TETRA TECH, INC.

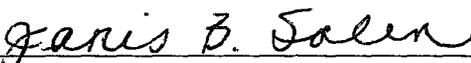
To: City of Pompano Beach

I hereby certify to you that I am the duly elected and qualified Senior Vice President, General Counsel and Secretary of Tetra Tech, Inc., a Delaware corporation (the "Company"), and that, as such, I am authorized to execute this Certificate on behalf of the Company. I further certify to you on behalf of the Company that:

Leslie L. Shoemaker, Executive Vice President of the Company, is authorized and empowered, in the name of the Company, in accordance with the Company's Signature Approval Authority Matrix, as approved by the Company's Board of Directors, for and on behalf of the Company, to sign work authorization proposals related to the Agreement for Consulting/Professional Services between the City of Pompano Beach and the Company, dated January 19, 2016, as approved by City Ordinance No. 2016-26.

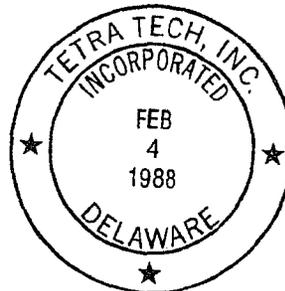
Further, Ms. Shoemaker knows the seal of the Company and shall affix such seal to any and all work authorization proposals.

IN WITNESS WHEREOF, I have hereunto set my hand as of this 2nd day of February, 2016.



Janis B. Salin
Senior Vice President, General Counsel and
Secretary

(Seal)



The attached certificate **copy** is meant to supplement the California notary language which does not mirror the Florida notary language on page five.

This is sort of a “blanket” certificate – not specific to any one work authorization.

