

**PROFESSIONAL SERVICES
SUPPLEMENTAL AGREEMENT # 4
FOR
WEISS LANE/PECAN STREET WATER LINE**

**STATE OF TEXAS §
 §
COUNTY OF TRAVIS §**

This Supplemental Agreement No. 4 to a contract for Professional Services is made by and between the City of Pflugerville, Texas ("City") and CP&Y, Inc., dba STV Infrastructure ("Consultant"). City and Consultant may be referred to herein singularly as "Party" or collectively as the "Parties."

WHEREAS, the City and Consultant executed an Agreement for Professional Services ("Agreement") on the 23rd day of March, 2020 for the Weiss Lane/Pecan Street Water Line project ("Project") in the amount of \$1,154,308.00; and

WHEREAS, the City and Consultant executed a Supplemental Agreement # 1 for Professional Services for the Project in the amount of \$15,035.00, to add archeological survey and soil sampling and testing services to the Agreement; and

WHEREAS, the City and Consultant executed a Supplemental Agreement # 2 for Professional Services for the Project in the amount of \$22,960.00, to add fiber optic conduit and appurtenances design services to the Agreement; and

WHEREAS, the City and Consultant executed a Supplemental Agreement # 3 for Professional Services for the Project in the amount of \$24,521.00, for additional design and survey services; and

WHEREAS, the City and Consultant desire to enter into a Supplemental Agreement # 4 for Professional Services for the Project in the amount of \$128,494.00, on the 11th of October, 2024 to add additional permitting, design, survey services, and construction phase services to the Agreement; and

WHEREAS, it has become necessary to amend the Agreement to modify the provisions for the Scope of Services, Work Schedule, Compensation and Assignment and Subcontracting; and

WHEREAS, it is necessary for the City to amend its agreements from time to time to comply with changes in state law relating to contracts of municipalities.

NOW, THEREFORE, premises considered, the City and the Consultant agree that said Agreement is amended as follows:

1.

Article III. Scope of Services and Exhibit A, shall be amended as set forth in the attached addendum to Attachment 1.

Article III. Work Schedule and Exhibit B, shall be amended as set forth in the attached addendum to Attachment 1.

Article IV. Compensation to Consultant and Exhibit C (Fee Schedule), shall be amended by increasing by \$128,494.00 the amount payable under the Agreement for a total of \$1,345,318.00, as shown by the attached Addendum to Attachment 1 (Fee Schedule).

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Article XI. Assignment and Subcontracting shall be amended to add UES Professional Solutions 45, LLC as an approved subcontractor.



2.

Except as amended hereby and as previously amended as indicated above, the terms of the Agreement shall remain unchanged and in full force and effect.

EXECUTED and **AGREED** to as of the dates indicated below.

**CITY OF
PFLUGERVILLE**

CONSULTANT

	
(Signature)	(Signature)
Printed Name: <u>Sereniah Breland</u>	Printed Name: <u>Marisa Treviño Vergara, PE</u>
Title: <u>City Manager</u>	Title: <u>Senior Vice President</u>
Date: _____	Date: <u>10/21/2024</u>

APPROVED AS TO FORM:



Charles E. Zech

City Attorney

DENTON NAVARRO RODRIGUEZ BERNAL SANTEE & ZECH, P.C.

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**SCOPE OF SERVICES
SUPPLEMENTAL AGREEMENT # 4
FOR
WEISS LANE/PECAN STREET WATER LINE
PFLUGERVILLE, TEXAS**

Background

The following scope items include additional services to the agreement for the Weiss Lane/Pecan Street Water Line project, dated March 23, 2020. The additional services are requested to incorporate additional permitting coordination services, design revisions including a portion of the water line alignment on the Lakeside Meadows parcel (Parcel 7A) to accommodate future development plans, review and revise the design due to development, utility changes and funding requirements, and add construction phase services and materials testing services during construction.

I. Basic Services

A. DESIGN SERVICES

1. Permitting and Coordination
 - a. Resubmit TxDOT permit for approval for construction in RULIS system. Previous permit expired.
 - b. Coordination with Texas Gas to address new gas line construction along SH130 that was constructed while project was on hold.
 - c. Coordination with City's right of way agent for temporary construction easement extensions and easement updates.
 - d. Coordination with Lakeside Meadows to incorporate updates to site development plans. Coordination includes development of exhibits to communicate water line alignment relative to proposed site features for the purpose of advancing the permanent and temporary easement needs on this property. This task also includes an in-person meeting with the property owner to discuss project impacts and schedule.
 - e. Conduct additional site visit to investigate changed conditions since previous 100% design submittal.
2. Design Revisions
 - a. Parcel 7A/Northpoint Water Line Realignment
 - i. Adjust the alignment of the water line to accommodate facilities shown on a site plan provided by a developer. Revise the water line design to accommodate proposed development, and revise limits of the permanent water line easement and temporary construction easement. The update will include revision to the overall location sheet, plan and profile sheet, and stationing adjustment for the alignment beyond the adjustment throughout the plan set.
 - ii. Coordination with the City and property owner to clarify requirements of change, including plan review, incorporation of updated development CAD files and property information, and development of alignment adjustments for review by the property owner.

- iii. Meeting with City and property owner on site to review site conditions prior to incorporating design adjustment.
 - b. Lakeside Meadows Realignment
 - i. Adjust the alignment of the water line to accommodate a proposed water line and revised development features proposed by the developer.
 - c. Project Manual Updates
 - i. Revise project manual for compliance with City's updated standard front-end documents, which were updated and changed to Competitive Sealed Proposal.
 - ii. Add project manual requirements for compliance with Environmental Protection Agency's (EPA) Water Infrastructure Financing and Innovation Act (WIFIA) funding program.
 - iii. Develop and submit revised Issued for Bid set, including Plans, Project Manual, and updated Opinion of Probable Construction Cost (OPCC).
- 3. Additional Survey of Parcel 7A/Northpoint
 - a. Additional topographic field survey for area outside of project boundary. Includes one trip to the site for the surveyor to get additional topographic survey and update the project survey files.
 - b. Verify boundary survey and new deed descriptions, including subdivision of parcel into four parcels.
- 4. Metes and Bounds Document Updates
 - a. Revise six (6) exhibits with legal description (metes and bounds) documents for temporary construction easements based on updated property information, ownership and removing the permanent easement information, including QC/QA of revised final documents.

B. CONSTRUCTION PHASE SERVICES

- 1. 24-in. Water Line Bypass at Water Treatment Plant

A portion of the Weiss Lane/Pecan Water Line project was shifted to the Water Treatment Plant Expansion by Change Order. The tasks below are additional tasks required due to this scope of work being transferred to a separate project.

 - a. Attend up to three (3) virtual coordination meetings with the Contractor and Construction Manager of the Water Treatment Plant team to coordinate work progress.
 - b. Review material and product submittals as required by Contract Documents for conformance with the design concept indicated in the Construction Contract Documents. Such reviews will not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs. Submittal log will be prepared and maintained by others. Anticipate review of up to six (6) submittals.
 - c. Review Contractor's Request for Information (RFI) and respond accordingly. Such clarifications and interpretations will be consistent with the intent and reasonable inferable from the Construction Contract Documents. Anticipate review and response of up to two (2) RFIs.
 - d. Conduct on-site meeting to discuss the pressure zone conversion plan following completion and acceptance of 24-inch water line bypass. The PRV modification

plan will be developed by City Operations team, with input from Engineer and design consultant of 794' EST and pump station.

2. Construction Materials Testing (Performed by UES Professional Solutions 45, LLC)
 - a. See Scope of Services included in attached UES Proposal Letter.
 - b. Consultant will coordinate with UES regarding project setup, testing progress, and cursory review of test reports. The City inspector will be responsible for determining acceptance based on the test results. City shall compensate Engineer for all testing incurred on the project, and any repayment to the City required by the Contract documents for retesting or other tests deemed unsatisfactory shall be separately coordinated between the Contractor and City.

Schedule

- Consultant will provide updated Issued for Bid Set within four (4) weeks of receipt of final recorded easement documents.
- Construction Materials Testing will be performed on an on-call basis during construction, with a minimum of 48 hours notice for scheduling testing services during construction.

Fee Schedule

- See attached Fee Schedule.
 - Work performed by STV will be paid on a Lump Sum basis as percent complete of services completed.
 - Construction Materials Testing work performed by UES will be on a time and materials basis for actual testing services performed during the project.

**FEE SCHEDULE
SUPPLEMENTAL AGREEMENT #4
WEISS LANE/PECAN STREET WATER LINE**

Project Phase	Task Description	QA/QC	Project Manager	Senior Engineer	PE I	EIT	CAD Technician	Admin	Senior Technician	RPLS	2-Man Survey Party	Total Labor Hours	STV Cost	Subconsultant Cost (UES)*	Total Costs
		\$245.00	\$265.00	\$245.00	\$160.00	\$125.00	\$110.00	\$85.00	\$130.00	\$160.00	\$165.00				
I. Basic Services															
A.	DESIGN SERVICES														
1.	Permitting and Coordination		8	16	24	40	16					104	\$ 16,640.00	\$ -	\$ 16,640.00
2.	Design Revisions	8	16	24	32	48	60					188	\$ 29,800.00	\$ -	\$ 29,800.00
3.	Additional Survey of Parcel 7A/Northpoint	2	2				8	2	24	8	16	62	\$ 9,110.00	\$ -	\$ 9,110.00
4.	Metes and Bounds Document Updates (6)	2	2				12	2	18	6		42	\$ 5,810.00	\$ -	\$ 5,810.00
B.	CONSTRUCTION PHASE SERVICES														
1.	24-in. Water Line Bypass at Water Treatment Plant		12	20	24	32	8					96	\$ 16,800.00	\$ -	\$ 16,800.00
2.	Construction Materials Testing		4	8	16	20						48	\$ 10,092.00	\$ 40,242.00	\$ 50,334.00
TOTAL		12	44	68	96	140	104	4	42	14	16	540	\$ 88,252.00	\$ 40,242.00	\$ 128,494.00

* See Attachment; STV cost includes 5% subconsultant markup



August 21, 2024

STV Inc.

1 Chisholm Trail, Suite 130
Round Rock, Tx 78681

Attn: Ryan Owen, PE
ryan.owen@stvinc.com

**SUBJECT: PROPOSAL
CONSTRUCTION MATERIALS OBSERVATION AND TESTING
SERVICES PROPOSED NEW WEISS - PECAN WATER LINE
17500 WEISS LANE
PFLUGERVILLE, TEXAS
UES PROPOSAL NO.: RCP070924A**

Dear Mr. Owen,

Introduction

UES Professional Solutions 45, LLC (UES) is pleased to submit this proposal to provide Construction Materials Observation and Testing Services during construction of the proposed New Weiss - Pecan 42" Water Line project to be located near Weiss Lane in Pflugerville, Texas. UES proposes to provide qualified personnel to perform observation and testing services, as requested by your designated representative, in general accordance with the project specifications and plans.

Background Information

The following information was provided for our use in the preparation of this proposal:

- Project drawings prepared by STV dated June 30, 2024
- City of Pflugerville standard specifications

Project Understanding

Based on the referenced information, we understand that the proposed project will consist of the following:

- Water Line; approximately 9,800 feet in length
- Surficial paved area replacements; flexible and rigid pavement sections
- Concrete caps at drainage channel crossings

Scope of Services

UES proposes that the scope of our services for this project consist of the following observations and testing services. Our services will be provided to determine compliance of the contractors' work with the project plans and specifications.

- **Earthwork Observation and Testing**
 - Perform field moisture content and density testing on subgrade soils and soils/aggregates placed as select fill/fill/backfill.
 - Perform laboratory testing of soils to include:
 - Atterberg Limit (ASTM D4318)
 - Sieve Analysis (ASTM C136)
 - Percent Finer than No. 200 Sieve (ASTM D1140)
 - Moisture Density Relationship (ASTM D698)
- **Reinforcing Steel Observation**
 - Observe placement of reinforcing steel
 - Bar size
 - Bar spacing/lap
 - Bar support mechanisms
- **Concrete Observation and Testing:**
 - Continuous observation of the placement of structural concrete / masonry and periodic observation of the placement of non-structural concrete by personnel certified as ACI Concrete Field-Testing Technician, Grade 1.
 - Obtain representative samples of concrete (ASTM C172)
 - Measurement of slump (ASTM C143)
 - Determination of air content (ASTM C231)
 - Measurement of temperature (ASTM C1064)
 - Preparation of compressive strength test specimens (ASTM C31)
 - Laboratory compressive strength testing of test specimens (ASTM C39)
- **Hot Mix Asphaltic Concrete Observation and Testing**
 - Laboratory testing of Hot Mixed Asphaltic Concrete (HMAC) bag samples provided by client
 - Laboratory testing of HMAC core specimens to determine thickness and density
- **Engineering**
 - Review of material testing reports.

Unit Rates

The type of observations and field and laboratory tests that may be required on this project and the associated unit fees are as follows:

• Atterberg Limits (per test)	\$ 75.00
• Moisture/Density Relationship (per test)	\$ 265.00
• Sieve Analysis (per test)	\$ 85.00
• Minus #200 Sieve (per test)	\$ 55.00
• Field Density Testing - Nuclear Method (per test)	\$ 25.00
• Concrete Test Specimen (each)	\$ 25.00
• HMAC Extraction/Gradation, (each)	\$ 275.00
• HMAC Stability/Flows, (each)	\$ 135.00
• HMAC Max Theoretical Specific Gravity, (each)	\$ 95.00
• HMAC Molding Specimens, (set of 3)	\$ 165.00
• HMAC Density/Thickness Cored Specimens, (each)	\$ 40.00
• HMAC Coring Equipment, (daily)	\$ 135.00
• Engineering Technician (per hour)	\$ 65.00 (concrete)
• Sr. Engineering Technician (per hour)	\$ 72.00 (soil/rebar/hmac)
• Transportation Charge (per trip)	\$ 50.00
• Equipment Charge (per trip)	\$ 50.00
• Project Manager (per hour)	\$ 105.00
• Registered Professional Engineer (Per hour)	\$ 195.00
• Project Setup (each)	\$ 135.00

A three (3) hour minimum will be charged for all hourly services. Site visits by CWI, Project Manager, and Project Engineer; will be billed at a 4-hour minimum in addition to the testing fee. Overtime will be billed at a rate 1.5 times the hourly rate in addition to the unit fees listed above as follows:

- services provided before 0800 hours and after 1700 hours*
- services provided over 8 hours per day*
- services provided on Saturday, Sunday, and all Holidays*

In efforts to better service your project, UES recommends a minimum of 48 hours' notice for scheduling testing services. Cancellation of scheduled testing services should be notified at a minimum 24 hours prior to scheduled time of requested service by phone call only (email, phone text will not be accepted as a form of cancellation).

Note: At the time this proposal was prepared, a construction schedule was not available for our use. A construction schedule is a critical item in determining a Project Budget for Construction Materials Testing services. In lieu of a construction schedule, UES uses project based comparable project production rates and typical industry standards.

Projected Budget

Based on the information provided and our experience providing Construction Materials Observation and Testing Services on the similar projects, UES anticipates that the following quantities of testing may be required for this project:

Soils	Quantity	Amount	Total
Engineering Technician SR, hr	90	\$72.00	\$6,480.00
Engineering Technician SR OT, hr	6	\$108.00	\$648.00
Vehicle Charge, ea	30	\$50.00	\$1,500.00
Equipment Charge, ea	30	\$50.00	\$1,500.00
Atterberg Limits, ea	4	\$75.00	\$300.00
Moisture/Density Relationship, ea	4	\$265.00	\$1,060.00
Sieve Analysis, ea	1	\$85.00	\$85.00
Minus #200 Sieve, ea	3	\$55.00	\$165.00
Field Density Testing - Nuclear Method, ea	550	\$25.00	\$13,750.00
Project Manager, hr	6	\$105.00	\$630.00
Professional Engineer, hr	2	\$195.00	\$390.00
		Sub Total	\$26,508.00
Reinforcing Steel			
Engineering Technician SR, hr	27	\$72.00	\$1,944.00
Engineering Technician SR OT, hr	3	\$108.00	\$324.00
Vehicle Charge, ea	10	\$50.00	\$500.00
Project Manager, hr	1	\$105.00	\$105.00
Professional Engineer, hr	1	\$195.00	\$195.00
		Sub Total	\$3,068.00
Concrete			
Engineering Technician, hr	54	\$65.00	\$3,510.00
Engineering Technician OT, hr	6	\$97.50	\$585.50
Vehicle Charge, ea	20	\$75.00	\$100.00
Equipment	10	\$50.00	\$500.00
Concrete Test Cylinder, ea	50	\$25.00	\$1,250.00
Project Manager, hr	2	\$105.00	\$210.00
Professional Engineer, hr	1	\$195.00	\$195.00
		Sub Total	\$7,250.00

STV Inc.
August 21, 2024
UES Proposal No.: RCP070924A

Weiss - Pecan Waterline - Pflugerville
17500 Weiss Ln
Pflugerville, Tx.78660

Asphalt

Engineering Technician, hr	12	\$72.00	\$864.00
Engineering Technician OT, hr	4	\$108.00	\$432.00
Vehicle Charge, ea	4	\$50.00	\$200.00
Equipment, ea	2	\$50.00	\$100.00
Extraction/Gradation, ea	2	\$275.00	\$550.00
Density/Thickness Cored Specimens, ea	6	\$40.00	\$240.00
Max Theoretical Specific Gravity, ea	2	\$95.00	\$190.00
Stability/Flows, ea	2	\$135.00	\$270.00
Molding Specimens, set of 3	2	\$165.00	\$330.00
Project Manager, hr	1	\$105.00	\$105.00
Sub Total			\$3,281.00

Administrative

Project Set Up	1	\$135.00	\$135.00
Sub Total			\$135.00

Estimated Project Total \$40,242.00

UES suggests that a Construction Materials Observation and Testing services budget of **\$40,242.00** be set aside for this project. Proposal includes soils, concrete, and HMAC items listed on Sheet G-2 of the project drawings. The total fee will be dependent on the actual number of tests and Observations performed and number of trips made to the site.