

**PROFESSIONAL SERVICES  
SUPPLEMENTAL AGREEMENT # 2  
FOR  
Weiss Transmission Main Phase I  
Manville TM and Add'l ROW/Easements**

STATE OF TEXAS           §  
   §  
COUNTY OF TRAVIS      §

FIRM:           Cobb, Fendley & Associates, Inc.

ADDRESS:   505 E. Huntland Drive, Suite 100  
              Austin, Texas 78752

This Supplemental Agreement No. 2 to a contract for Professional Services is made by and between the City of Pflugerville, Texas ("City") and Cobb, Fendley & Associates ("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 28th day of May, 2015 for the Weiss Lane Transmission Main Phase I project in the amount of \$ 305,119.10 ; and

WHEREAS, the City and Consultant executed a Supplemental Agreement # 1 for Professional Services for the Weiss Lane Transmission Main Phase I project in the amount of \$24,558.00 on the February 23, 2016 to add PISD Revisions and Ford Property Reroute to the agreement; and

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

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 Exhibit A.


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

Article IV. Compensation to Consultant and Exhibit C (Fee Schedule), shall be amended by increasing by \$118,053.00 the amount payable under the Agreement for a total of \$447,730.10 as shown by the attached Addendum to Exhibit C (Fee Schedule).

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

**CITY OF  
PFLUGERVILLE**

**CONSULTANT**

<hr/>	
(Signature)	(Signature)
Printed Name: <u>Brandon E. Wade</u>	Printed Name: <u>Julie Hastings, P.E.</u>
Title: <u>City Manager</u>	Title: <u>Principal</u>
Date: <u></u>	Date: <u>September 8, 2016</u>

APPROVED AS TO FORM:

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George Hyde  
City Attorney  
DENTON NAVARRO ROCHA BERNAL HYDE & ZECH, P.C.

***Exhibit A***  
**Weiss Lane Manville Transmission Main**  
**Design, Bid, and Construction Phase Scope of Services**  
**Additional ROW / Easement Descriptions**  
**September 8, 2016**

The project will construct approximately 4,700 linear feet of 16" water transmission main from the Pflugerville Parkway on the west side site, cross Weiss Lane at Via Sorento Way, then align on the east side of Weiss through to north of Aventura Way. This water line is for Manville Water Supply Corporation to relocate for the Weiss Lane Transmission Main, and upsize to 16" to provide adequate size for future growth. The Manville water line alignment will parallel the City of Pflugerville's transmission main improvements from Via Sorento Way to Aventura Way. This project is assumed to be included in the bid set for the City of Pflugerville Weiss 1B Transmission Water Main.

Below is a detailed description of the scope of services.

**Manville Transmission Main**

**I. Preliminary Engineering**

**A. Alignment Analysis**

1. Gather and analyze data including adjacent project information, property owners, aerials, topo, and environmental information.
2. Assimilate the data and prepare alignments.
3. Develop alignment recommendations including preliminary plan and profile.
4. Prepare preliminary construction cost estimate.

**B. Coordination and Project Management**

1. Attend two coordination meetings to review preliminary alignment and 30% / Preliminary Design submittal
2. Update project schedule.
3. Project management.

**II. Design Phase**

**A. Plan Production.** CF will submit plans for review at the 90%, and 100% completion stages for each project phase. The plans will include the following plan sheets:

1. Cover Sheet. Update cover sheet to include signature block for Manville.
2. Notes Sheet. Update notes sheet to include Manville waterline.
3. Plan and Profiles (12 sheets).
4. Traffic Control Plans (1 sheet). Anticipate that traffic control will only be needed for ingress/egress from the construction zones and will not actually require lane-closures.
5. Erosion and Sedimentation Control (6 sheets). Provide E&S sheets with 90% and 100% submittals.
6. Detail sheets – it is assumed that the Manville waterline will be constructed using existing details included for the Weiss Phase 1B Transmission Main and minimal additional details will be required.
7. Design calculations. Perform calculations required to design waterlines.

- B. Project Manual (Bid Form).** It is assumed that the project manual produced for the Weiss Lane Phase 1B Transmission Main will be adequate to include the Manville WSC waterline. The Bid Form will need to be revised.
- C. Quantity Take Off.** CF will provide a quantity take off at each design submittal.
- D. Cost Estimate.** CF will provide a cost estimate at each design submittal with decreasing levels of contingency as design progresses.
- E. QA/QC.** CF will engage senior design personnel to perform outside quality control reviews at each submittal. A Quality Assurance Manager will oversee the QA/QC program for the project.
- F. Prepare submittals.** CF will deliver 3 sets of 11"x17" plans and 3 project manuals for each submittal as well as an electronic copy in PDF format for each phase.
- G. Respond to comments.** CF prepare formal written responses to comments at each submittal.
- H. Coordination / Review Meetings.** This scope assumes that a coordination/review meeting will be attended at the conclusion of each design submittal to review progress and comments. Coordination will occur with the City of Pflugerville, Manville WSC, and the Weiss Lane roadway design engineer. (4 meetings assumed).

**III. Bid Phase.** CF will perform the services below for Bid Phase of the project. The Manville WSC Waterline will be included in the bid for Weiss Lane Transmission Main Phase 1B. The services listed below are considered to be in addition to bid phase services previously contracted in the PSA.

- A. Respond to Contractor Questions.** CF will respond to Contractor questions regarding clarifications to the plans.
- B. Addenda.** Questions or clarifications required for the Manville Transmission Main will be addressed under addenda previously included in the Agreement executed on the 28<sup>th</sup> day of May, 2015.

This scope assumes that a bidding assistance center will be used for bid phase and the City will be responsible for uploading plans, project manual, and addenda onto the bidding assistance center and will retain a hard copy at City offices. CF will not be responsible for plan distribution.

**VI. Construction Phase.** CF will perform the services below for Construction Phase of the project. The Manville WSC Waterline will be included in the bid for Weiss Lane Transmission Main Phase 1B. The services listed below are considered to be in addition to bid phase services previously contracted in the PSA. This proposal assumes that the addition of this waterline will increase construction phase by three (3) months.

- A. Progress Meetings.** CF will attend monthly progress meetings. This scope assumes three (3) additional meetings.
- B. Site Visits.** CF will attend monthly site visits / construction meetings. This scope assumes three (3) additional months. CF is not performing construction inspection and will be visiting the site to observe general conformance with contract documents and evaluate issues should they arise.
- C. Review Shop Drawings.** CF will review Contractor submittals. This scope assumes that the Contractor's submittals will be in accordance with the contract documents, and that the contract documents will include the provision that

submittals will only be reviewed twice. Subsequent reviews will be conducted at the expense of the Contractor. Scope assumes ten (10) additional submittals. CF will maintain the submittal log.

- D. Pay Applications.** CF will review pay applications. City inspector will verify quantities. CF will approve pay applications based on quantities reported by the Inspector. Assumes three (3) additional pay applications.
- E. Requests for Information.** CF will respond to Contractor requests for information. This scope assumes seven (7) requests for information. CF will issue drawing revisions as required. Drawing revisions resulting from change of scope of project will be prepared as an additional service.
- F. Change Orders.** CF will assist the City in evaluating and preparing change order documentation to address construction / quantity changes. Scope assumes one (1) change orders.
- G. Walkthrough.** CF will add the Manville waterline to the walk through.
- H. Record Drawings.** CF will prepare record drawings based on Contractor redlines as verified by the City Inspector.

**Construction Material Testing.** Arias Geoprofessionals will perform construction materials testing. Refer to the attached proposal from Arias dated August 12, 2016 for a detailed scope of services.

#### **Additional ROW / Easement Descriptions**

Additional ROW / Easement Descriptions have been identified for the project. Below is a summary of descriptions required.

Weiss Lane Transmission Main Easement Count				
Phase 1A				
Property	ROW	PUE	WL	Cost
Ford	1	1	1	
COPf	1	1	1	
Total Phase 1A	2	2	2	
Weiss Phase 1B				
Norman and Virginia Weiss	1	1	0	
Keith Weiss	1	1	0	
Caldwell	1	1	0	
Sorento (2013132325) (southern property)	1	1	0	
Talley	1	1	0	
Friesen	1	1	0	
Sorento (2012164042) (ROW and PUE already dedicated)	0	0	0	
Total Phase 1B	6	6	0	

Total Weiss TM	8	8	2	
\$/Description	\$1,893.00	\$880.00	\$880.00	
Total Project Cost	\$15,144.00	\$7,040.00	\$1,760.00	\$23,944.00
Original Budget				\$14,080.00
<b>Amount of additional request</b>				<b>\$9,864.00</b>



13581 Pond Springs Road Austin, Texas 78729 • Phone: (512) 428-5550 • Fax: (512) 428-5525

Friday, August 12, 2016

Arias Job No: 2016-601

Proposal ID: 1

Ms. Julie Hastings, P.E., MBA  
Regional Municipal Manager  
Cobb Fendley & Associates, Inc.  
505 E. Huntland Drive  
Suite 485  
Austin, Texas 78752-5136

Via Email: [jhastings@cobbhendley.com](mailto:jhastings@cobbhendley.com)

RE: Proposal for Construction Materials Testing (CMT)  
Proposed Manville WSC Weiss Lane Transmission Main  
Pflugerville, Texas

Dear Ms. Hastings:

Arias & Associates, Inc. appreciates the opportunity to submit our proposal for testing services on the referenced project. The attachment presents our Estimate for providing CMT quality control services, as requested during the project by your representatives. We rely on your representatives to contact our dispatcher when our services are desired. Therefore, the quantity and frequency of testing is the responsibility of our customer.

Quality control or assurance tests serve to indicate the material quality for the specific material tested at a specific location at a particular time and date. Quality control or assurance tests do not represent the quality of any other portion of material placed, other than the portion tested and cannot in any way guarantee the quality of a final work product.

We understand that the project will consist of approximately 4,600 LF of 16-inch waterline within the ROW of Weiss Lane, including one open-cut crossing of Weiss Lane. We understand that Weiss Lane will be reconstructed, and have therefore assumed that testing of the temporary pavement patch will not be required. A line item description of our on call services that are included in the total cost estimate of this proposal are mentioned below:

- 1) Sampling backfill and base materials for laboratory testing.
- 2) In-place field density testing of soil backfill and base materials within the ROW backfill area. We have assumed that testing will be performed at a frequency of about 1 test per 400 L.F., per 8-inch lift. Assumed depth of backfill is about 4 feet, and as much as 8 feet at the road crossing.
- 3) Professional service fees for project management, data processing, engineer review, and reporting.

We have prepared an estimate for our on call scope of services based on the above description of the project. Project plans, specifications, or a construction schedule was not available at the time this proposal was generated. Should Arias & Associates, Inc. be awarded this project, we request that a full set of plans, specifications be provided to us. Efforts will be made to maintain the testing cost within our Estimate, but we recognize that variations in construction schedules could result in differences between the actual and estimated testing cost; and that our Estimate may change depending on the means and methods utilized by the contractor. Requests for any required change orders will be made as soon as possible during the construction of the project. Services authorized by the client or their designated representative in excess of the Estimated quantities will be charged per our appropriate unit rates.

We propose that we conduct this work on a unit fee basis in accordance with the attached General Conditions. Charges will be incurred only for those services actually provided. Invoice payments are due upon receipt.

In order for us to better serve you, please fill out the attached Project Information Sheet and return at your earliest convenience; in addition please provide us with a copy of the plans and specifications applicable to our services and the project.

We look forward to assisting you towards the successful completion of this project.

John S. Landwermeyer, P.E. will be the manager representative for Arias & Associates, Inc. on this job. You can contact John by calling (512) 940-2598 or by emailing jlandwermeyer@ariasinc.com.

### Cost Estimate

<b><u>Laboratory Testing (Soils)</u></b>	<b><u>Quantity</u></b>	<b><u>Price</u></b>		<b><u>Total</u></b>
Atterberg Limits Determination	1	68.00	each	\$ 68.00
Material Sample Pickup (2 minimum)	3	41.50	hour	\$ 124.50
Moisture Density Relationship	2	189.00	each	\$ 378.00
Trip Charge	2	32.00	each	\$ 64.00
<b>Sub Total:</b>				<b>\$ 634.50</b>
<b><u>Soil Testing</u></b>	<b><u>Quantity</u></b>	<b><u>Price</u></b>		<b><u>Total</u></b>
Nuclear Gauge	12	63.00	trip	\$ 756.00
Soils Observation Technician (3 minimum)	48	41.50	hour	\$ 1,992.00
Trip Charge	12	32.00	each	\$ 384.00
<b>Sub Total:</b>				<b>\$ 3,132.00</b>
<b><u>Professional Services</u></b>	<b><u>Quantity</u></b>	<b><u>Price</u></b>		<b><u>Total</u></b>
Data Processing	4	51.00	hour	\$ 204.00
Manager	4	100.00	hour	\$ 400.00
<b>Sub Total:</b>				<b>\$ 604.00</b>
<b>Total:</b>				<b>\$ 4,370.50</b>

#### Excluded Items:

- 1) Retest of failed inspections, standby time, or cancellations without notice.
- 2) Observation and testing of concrete for sidewalks, driveways, curbs, gutters, and/or any other incidental non-structural units.
- 3) Observation and testing of asphalt.
- 4) Observation and testing of retaining walls and/or any associated materials.
- 5) Any and all surveying services to define locations and/or boundaries including verification of limits of the vertical and/or horizontal extent of select fill or other materials placed during construction.
- 6) Engineering services not specifically requested.
- 7) Any other products or services not specifically addressed in the above scope.

Rates for excluded items and other services quoted on request.

Minimum call-out charge for technician and equipment is 3 hours. Minimum call-out charge for material sampling and/or sample pickup is 2 hours. Charges are accrued portal to portal. An overtime rate of 1.4 times the above quoted rates is applicable to time worked in excess of 8 hours per day Monday through Friday, hours worked before 6:00 a.m. or after 6:00 p.m., and all hours worked on Saturdays, Sundays, and holidays.



## Exhibit B

### Work Schedule

Article II. Term shall be amended by changing the term of the Agreement to terminate on December 31, 2017 with the ratification and incorporation of the terms of the original agreement.

## Exhibit C

### Fee Schedule

These design, bid, and construction phase services can be performed at the lump sum fee as described below.

SA2 Request Summary	
Weiss Lane Manville Transmission Main	
Design, Bid, and Construction Phase Services	
Cobb Fendley	
Design and Bid	\$77,610.00
Construction	\$25,010.00
Expenses	\$1,199.00
Arias – Construction Materials Testing	\$4,370.00
Total (Design, Bid Construction Manville Waterline)	\$108,189.00
Total Metes and Bounds Additional	\$9,864.00
Total Amount Requested in SA2	\$118,053.00