WORK AUTHORIZATION NO. 1
PROJECT: CR 201 City of Georgetown Water Line Relocation

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated July 22, 2025 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Cobb, Fendley & Associates, Inc. (the "Engineer").

Part1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is $172,092.00.

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on August 5, 2025, upon final acceptance and full execution of the parties hereto and shall terminate on September 30, 2027. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this ____day of _____, 20___.

ENGINEER:	COUNTY:
Cobb, Fendley & Associates, Inc.	Williamson County, Texas
By: Sandra G Khoury	By: _____
	Signature
Sandra G. Khoury, P.E.	
Printed Name	Printed Name
Executive Vice President	
Title	Title
August 11, 2025	
Date	Date

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Rate Schedule

ATTACHMENT A

SERVICES TO BE PROVIDED BY COUNTY

Williamson County and/or its Designated Representative(s) will provide project direction, review and oversight of utility design and engineering services for all Road and Bridge Projects and will provide all project related design files, topographic survey and right-of-way data to assist with coordination efforts.

Williamson County and/or its Designated Representative(s) will negotiate and secure Interlocal Agreements (ILA), when applicable, and provide copies to Utility Coordinator upon execution.

ATTACHMENT B

SERVICES TO BE PROVIDED BY ENGINEER

UTILITY DESIGN

The ***Engineer*** will coordinate and develop PS&E for utilities to be included in the construction contract for the County upon written request by the Utility Owner and/or the County. All joint bid utility plan requests are to be approved by the County or Designated Representative prior to commencing work.

The ***Engineer*** will provide design, bid, and construction phase services for the installation of approximately 3,800 linear feet of 2", 6", 8", 12", and 16" water main and service pipe, 950 linear feet of 4", 16", 18", and 30" steel encasement installed via open trench and jack/bore, required appurtenances, and connections to the existing 2", 6", 12", and 16" water lines associated with the construction of the CR 201 roadway improvement project in Williamson County. This scope assumes that the water line plans will be included in the PS&E for the roadway, bridge, and drainage plans, joint bid with the roadway and drainage plans, and constructed by the roadway and drainage Contractor. Below is a detailed scope of services.

I. Design Phase

The ***Engineer*** will prepare plans and compile specifications for the construction of the water utility relocations. Below is a detailed scope of services. If relocations in addition to the ones labeled on the attached strip map are identified, an additional services proposal will be prepared to perform the necessary relocation design work. This proposal assumes that the ***Engineer*** will prepare erosion controls for the water utility relocations. The design phase assumes 30%, 90%, and 100% submittals to City of Georgetown.

A. Data Development.
   1. Gather and analyze data. Obtain plans and electronic files for roadway and topographical information. This scope assumes that survey information for water line relocations located within the ROW will be provided by the roadway engineer and that it will provide data adequate to design the relocations within the ROW. This scope assumes that additional survey will be necessary to prepare relocations for water lines that are currently in easement and will be relocated into a new easement, and that this survey will be performed and provided by others and provided to the ***Engineer*** for use in relocation design outside existing survey limits.
   2. Prepare preliminary adjustment and relocation plans for relocations associated with the roadway design.
   3. Coordinate with the City on preliminary layouts and relocations. Includes one coordination meeting with the City.

B. Plans. The ***Engineer*** will prepare design plans at 30%, 90%, and 100% completion, to be submitted to City of Georgetown for review. We anticipate the following sheets to be included in our design set.

1. Cover sheet. (1 Sheet)
2. General Notes. Assemble a set of general notes using City of Georgetown and TCEQ standards. (1 Sheet)
3. Summary of Quantities (1 Sheet). Prepare a summary of quantities sheet. A blank sheet will be included in the 30% plans. Full quantities will be included in the 90% and 100% submittals.
4. Overall Layout Sheet (1 Sheet). Prepare an overall reference sheet to scale.
5. Erosion and Sedimentation Control Sheets (6 sheets). Prepare 11"x17" erosion and sedimentation control plan sheets at 90% and 100% submittals. Assumes 6 sheets.
6. Plan Sheets (4 Sheets). Prepare plan sheets for the 2" and 6" water main relocations at 30%, 60%, 90%, and 100% submittals for the proposed water line relocations at a scale of 1" = 40' on 11"x17" plan sheets, with a true half size. Assumes 4 sheets. This scope assumes 2" and 6" water main relocations do not need to be profiled. The scope also assumes fire hydrant plan and profile sheets will not be required.
7. Plan and Profile (7 Sheets). Prepare plan sheets for the 8", 12" and 16" water main relocations at 30% submittal and full plan and profile sheets at 90% and 100% submittals for the proposed relocations at a scale of 1" = 40' on 11"x17" plan sheets, with a true half size. Assumes 7 sheets. The scope assumes fire hydrant plan and profile sheets will not be required.
8. Detail Sheets (4 sheets). Prepare detail sheets showing standard construction details and special, project-specific details. Assumes 4 sheets.
9. Restrained Joint Calculations (1 Sheet). Perform restrained joint calculations and include a table of required lengths calculated in the plans. Assumes 1 sheet.

Note: This scope assumes that environmental clearance required for new easements, if applicable, will be handled by others. This scope assumes that additional survey needed for relocations outside of the right-of-way will be coordinated with and performed by others. This scope assumes that easement investigation and acquisition will be handled by others. This scope assumes that traffic controls, if necessary, will be handled by others.

C. Specifications. The ***Engineer*** will assemble standard technical specifications to be included in the roadway contract documents. A list of specifications relevant to the project will be provided with the 30% submittal to the City of Georgetown. A full set of utility specifications and special provisions required will be provided with the 90% and 100% submittals for the water line relocations. City of Georgetown and City of Austin standard technical specifications will be used for this project. This scope assumes that front end/contract documents will be prepared by others.

D. Quantity Take-Off/Cost Estimate/Bid Form. The ***Engineer*** will perform a quantity take off and prepare a bid form. A quantity take-off will be performed at the 30%, 90%, and 100% submittals. An opinion of probable construction cost will be prepared for the 30% (+/- 25%), 90% (+/- 10%), and 100% submittals. Bid items to be included in the bid form will be prepared by the roadway and drainage consultant.

E. QA/QC. The ***Engineer*** will perform internal quality control reviews on the plans and specifications prior to each submittal to City of Georgetown.

F. Prepare 3 submittal packages. The ***Engineer*** will assemble plans and specifications and submit to City of Georgetown for review. This scope assumes there will be a 30%, 90%

and 100% Final Bid Set submittal. The ***Engineer*** will electronically provide 11"x17" size plans and specifications for each submittal.

G. Respond to comments. The ***Engineer*** will review comments provided by the City of Georgetown and prepare a written response to the comments for inclusion with the subsequent submittal.
H. Coordination/Review meetings (3). This includes meetings to discuss submittals to City of Georgetown and comments from reviewers. If the correspondence, meetings, and revisions required by the City exceeds the number of meetings listed in this scope of services, then additional services will be required.
I. Approvals. Coordinate with City of Georgetown to obtain required approvals for construction. This scope assumes that permits will be obtained by others.
J. Project Management. This proposal assumes an eight (8) month design schedule.

II. Bid Phase

The ***Engineer*** will provide limited assistance in the bidding of the project. This scope assumes that the utility relocation bid items will be included in the roadway project bid and the ***Engineer*** will provide assistance as related to water relocations only. This scope also assumes that the Owner will engage a bidding assistance center for the distribution and management of plans during bid phase. Distribution of plans and maintenance of a plan holders list is not included in this scope. Below is a detailed scope of services for bid phase:

A. Attend pre-bid conference. Meeting agenda and minutes prepared by others.
B. Respond to contractor's questions during bidding process.
C. Prepare addenda (assume 1) to address contractor questions. Distribution will be handled by others.

The following items are not included in bid phase services:

A. Review bid tabs.
B. Review contractor recommendation.

III. Construction Phase

The ***Engineer*** will provide limited construction administration and observation assistance to the project and City of Georgetown. This scope does not include inspection services. This scope assumes construction duration of six (6) months. All scopes of services in this scope are related to water and wastewater utility relocations only. Below is a detailed scope of services for construction phase:

A. Attend preconstruction meeting.
B. Attend three (3) meetings bi-monthly when utility adjustments are in process.
C. Attend periodic site visits. Assume three (3) site visits (not coincident with progress meetings). If additional visits are required, then this will result in additional services.
D. Review project submittals/shop drawings. The ***Engineer*** will review each submittal up to two (2) times. If the Contractor requires a third submittal, it will be reviewed as an

additional service and at the Contractor's expense, as will be written in the contract documents. This scope assumes submittals for 15 individual items.

E. Respond to Requests for Information (RFI). The ***Engineer*** will coordinate with City of Georgetown and the Contractor on RFIs and respond with clarifications as needed. This scope assumes four (4) RFIs.
F. Change Orders. The ***Engineer*** will assist in negotiation and preparation of change order documents, should they be necessary. This scope assumes one (1) change order.
G. Record Drawings. The ***Engineer*** will prepare a set of record drawings based on Contractor's redlines in the field. Record drawings will be provided to the City electronically.
H. Project Management. This proposal assumes a six (6) month construction schedule.

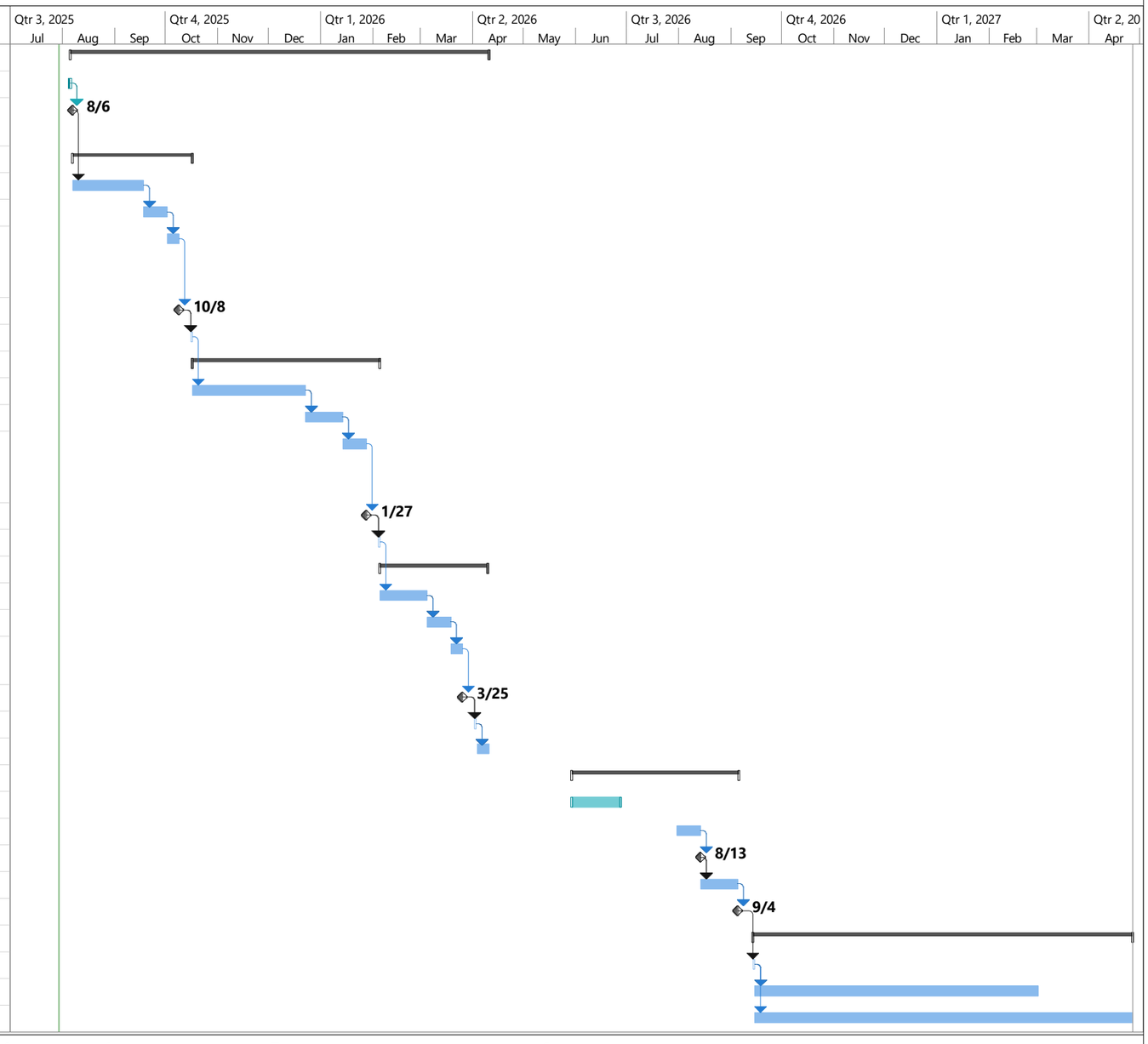
The following items are not included in construction phase services:

A. Review of pay estimates.
B. This Construction Phase Services assumes that one project inspector amongst the stakeholders will be assigned and there will not be coordination amongst the various stakeholders during construction.
C. Final Walk Through and Punch List.

ATTACHMENT C - WORK SCHEDULE

Williamson County Road & Bridge
CR 201 Work Authorization 1
City of Georgetown Water Relocations
Project Schedule

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**CR 201 Water Adjustments/Relocati**	**170 days**	**Tue 8/5/25**	**Thu 4/9/26**	
2		Effective Date	1 day	Tue 8/5/25	Tue 8/5/25	
3		Work Authorization Approved/NTP	1 day	Wed 8/12/25	Wed 8/12/25	2
4		**30% Water Design**	**51 days**	**Thu 8/7/25**	**Thu 10/16/25**	
5		30% Design	30 days	Thu 8/7/25	Wed 9/17/25	3
6		QA/QC + Backcheck	10 days	Thu 9/18/25	Wed 10/1/25	5
7		Address Comments, QA/QC Verification, + EOPC and Specifications	5 days	Thu 10/2/25	Wed 10/8/25	6
8		Submittal to City	0 days	Wed 10/8/25	Wed 10/8/25	7
9		Workshop Meeting	1 day	Thu 10/16/25	Thu 10/16/25	8FS+5 days
10		**90% Water Design**	**71 days**	**Fri 10/17/25**	**Wed 2/4/26**	
11		90% Design	45 days	Fri 10/17/25	Mon 12/22/25	9
12		QA/QC + Backcheck	10 days	Tue 12/23/25	Tue 1/13/26	11
13		Address Comments, QA/QC Verification, + EOPC and Specifications	10 days	Wed 1/14/26	Tue 1/27/26	12
14		Submittal to City	0 days	Tue 1/27/26	Tue 1/27/26	13
15		Review Meeting with City	1 day	Wed 2/4/26	Wed 2/4/26	14FS+5 days
16		**100% Water Design**	**46 days**	**Thu 2/5/26**	**Thu 4/9/26**	
17		100% Design	20 days	Thu 2/5/26	Wed 3/4/26	15
18		QA/QC + Backcheck	10 days	Thu 3/5/26	Wed 3/18/26	17
19		Address Comments, + EOPC and Specs	5 days	Thu 3/19/26	Wed 3/25/26	18
20		Submittal to City	0 days	Wed 3/25/26	Wed 3/25/26	19
21		Review Meeting with City	1 day	Thu 4/2/26	Thu 4/2/26	20FS+5 days
22		City Approval	1 wk	Fri 4/3/26	Thu 4/9/26	21
23		**Bid Phase**	**71 days**	**Fri 5/29/26**	**Fri 9/4/26**	
24		Develop Bid Documents	21 days	Fri 5/29/26	Fri 6/26/26	
25		Advertisement/Bidding	10 days	Fri 7/31/26	Thu 8/13/26	
26		LET	0 days	Thu 8/13/26	Thu 8/13/26	25
27		Contract Execution	16 days	Fri 8/14/26	Fri 9/4/26	26
28		NTP	0 days	Fri 9/4/26	Fri 9/4/26	27
29		**Construction Phase**	**161 days**	**Mon 9/14/26**	**Mon 4/26/27**	
30		Pre-Construction Meeting	1 day	Mon 9/14/26	Mon 9/14/26	28FS+5 days
31		Substantial Construction	6 mons	Tue 9/15/26	Mon 3/1/27	30
32		Final Construction	8 mons	Tue 9/15/26	Mon 4/26/27	30



Project: CR 201 Water Relocatio

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

		Hours						Expenses			
		$260.00 per hour	$215.00 per hour	$195.00 per hour	$152.00 per hour	$150.00 per hour	$0.700 per mile	$15.000 per each	$0.150 per sheet		
	Task	**Proj Mgr II**	**Proj Mgr I**	**Engr II**	**Grad Engr II**	**Coordinator II**	**Mileage**	**Delivery**	**Copies**	Total Hours	Total Budget
	Design Phase										
A	Preliminary										
A1	Kickoff meeting	2		2						4	$910.00
A2	Gather and analyze data.	4		8	8		132			20	$3,816.00
A3	Coordination meeting with City	2		2						4	$910.00
B	30% Phase									0	$0.00
B1	Cover (1 Sheets)	1		1						2	$455.00
B2	General Notes (1 Sheets)			1						1	$195.00
B3	Overall Layout (1 Sheets)			1	2					3	$499.00
B4	Plan (4 Sheets)			12	16					28	$4,772.00
B5	Plan and Profile (7 Sheets)			21	28		132			49	$8,351.00
B6	Standard Details (4 Sheets)			3						3	$585.00
B7	Specifications List	1		3	3					7	$1,301.00
B8	Quantity Take-Off/Cost Estimate/Bid Form			5	5					10	$1,735.00
B9	QA/QC	3	9							12	$2,715.00
B10	Submittal Packages	1		1						2	$455.00
B11	Respond to Comments	1		2						3	$650.00
B12	Coordination/Review Meetings	2		2	2					6	$1,214.00
C	90% Phase										
C1	Cover (1 Sheets)				1					1	$152.00
C2	General Notes (1 Sheets)				1					1	$152.00
C3	Summary of Quantities (1 Sheets)				1					1	$152.00
C4	Overall Layout (1 Sheets)				1					1	$152.00
C5	Erosion and Sedimentation Controls (6 Sheets)			18	24					42	$7,158.00
C6	Plan (4 Sheets)			16	24					40	$6,768.00
C7	Plan and Profile (7 Sheets)			42	70		132			112	$18,830.00
C8	Restrained Joint Calculations (1 Sheets)			4	8					12	$1,996.00
C9	Standard Details (4 Sheets)			3						3	$585.00
C10	Specifications + Special Provisions	3		8						11	$2,340.00
C11	Quantity Take-Off/Cost Estimate/Bid Form			7	7					14	$2,429.00
C12	QA/QC	4	13							17	$3,835.00
C13	Submittal Packages	1		1						2	$455.00
C14	Respond to Comments	1		2						3	$650.00
C15	Coordination/Review Meetings	2		2	2					6	$1,214.00
D	100% Phase										
D1	Cover (1 Sheets)				1					1	$152.00
D2	General Notes (1 Sheets)				1					1	$152.00
D3	Summary of Quantities (1 Sheets)				1					1	$152.00
D4	Overall Layout (1 Sheets)				1					1	$152.00
D5	Erosion and Sedimentation Controls (6 Sheets)			18	24					42	$7,158.00
D6	Plan (4 Sheets)			12	16					28	$4,772.00
D7	Plan and Profile (7 Sheets)			28	56		132			84	$13,972.00
D8	Restrained Joint Calculations (1 Sheets)			4	8					12	$1,996.00
D9	Standard Details (4 Sheets)			3						3	$585.00
D10	Specifications + Special Provisions	3		4						7	$1,560.00
D11	Quantity Take-Off/Cost Estimate/Bid Form			7	7					14	$2,429.00
D12	QA/QC	4	13							17	$3,835.00
D13	Submittal Packages	1		1						2	$455.00
D14	Respond to Comments	1		2						3	$650.00
D15	Coordination/Review Meetings	2		2	2					6	$1,214.00
E	Approval			3						3	$585.00
F	Project Management (8 Months)	24				16				40	$8,640.00
	Hour Sub Total	63	35	251	320	16	528	0	0	685	
	Subtotal Labor Costs	$16,380.00	$7,525.00	$48,945.00	$48,640.00	$2,400.00	$369.60	$0.00	$0.00		$123,890.00
	Subtotal Expense Costs										$389.00
	Bid Phase										
A	Attend pre-bid conference	2		6			88			8	$1,690.00
B	Respond to contractors' questions	4		8						12	$2,600.00
C	Prepare Addenda (1)	6		10						16	$3,510.00
	Hour Sub Total	12	0	24	0	0	88	0	0	36	
	Subtotal Labor Costs	$3,120.00	$0.00	$4,680.00	$0.00	$0.00	$61.60	$0.00	$0.00		$7,800.00
	Subtotal Expense Costs										$65.00
	Construction Phase										
A	Attend preconstruction meeting	2		2			88			4	$910.00
B	Attend Progress Meetings (3)	6		6			408			12	$2,730.00
C	Site Visits (3)	6		6	6		204			18	$3,642.00
D	Review Submittals (15)			15	15					30	$5,205.00
E	Respond to RFIs (4)	8		16	16					40	$7,632.00
F	Change Orders (1)	9		8						17	$3,900.00
G	Record drawings	11		22	22					55	$10,494.00
H	Project Management (6 Months)	12				12				24	$4,920.00
	Hour Sub Total	54	0	75	59	12	700	0	0	200	
	Subtotal Labor Costs	$14,040.00	$0.00	$14,625.00	$8,968.00	$1,800.00	$490.00	$0.00	$0.00	$0.00	$39,433.00
	Subtotal Expense Costs										$515.00

Fee Estimate			
Task	Labor	Expense	Total Fee
Design	$123,890.00	$389.00	$124,279.00
Bid	$7,800.00	$65.00	$7,865.00
Construction	$39,433.00	$515.00	$39,948.00
Total	$171,123.00	$969.00	$172,092.00