EXHIBIT
"A"

STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

SUPPLEMENTAL CONTRACT NO. 1
TO CONTRACT FOR ENGINEERING SERVICES

FIRM: **CAROLLO ENGINEERS, INC.** **("Engineer")**
ADDRESS: **10900 Stonelake Boulevard, Building 2, Suite 126, Austin, TX 78759**
PROJECT: **Raw Water Treatment Improvements**

This Supplemental Contract No. 1 to Contract for Engineering Services is made by and between the City of Round Rock, Texas, hereinafter called the "City" and Carollo Engineers, Inc., hereinafter called the "Engineer."

WHEREAS, the City and Engineer executed a Contract for Engineering Services, hereinafter called the "Contract," on the 8th day of March, 2024 for the Raw Water Treatment Improvements Project in the amount of $85,432.00; and

WHEREAS, it has become necessary to amend the Contract to modify the provisions for the scope of services and to increase the compensation by $72,400.00 to a total of $157,832.00;

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

I.

Article 1, City Services and Exhibit A, City Services shall be amended as set forth in the attached Addendum To Exhibit A.

II.

Article 2, Engineering Services and Exhibit B, Engineering Services shall be amended as set forth in the attached Addendum to Exhibit B. Exhibit C, Work Schedule shall be amended as set forth in the attached Addendum to Exhibit C.

III.

Article 4, Compensation and Exhibit D, Fee Schedule shall be amended by increasing by $72,400.00 the maximum amount payable under the Contract for a total of $157,832.00, as shown by the attached Addendum to Exhibit D.

IN WITNESS WHEREOF, the City and the Engineer have executed this Supplemental Contract in duplicate.

CAROLLO ENGINEERS, INC.

By: Carolyn Russell
Vice President

4/29/25
Date

CITY OF ROUND ROCK

By: _____
Craig Morgan, Mayor

_____
Date

APPROVED AS TO FORM:

_____
Stephanie L. Sandre, City Attorney

Addendum to Exhibit A
City Services

The City of Round Rock will furnish to the Engineer the following items/information:

- Designate a person to act as City's representative with respect to the services to be performed or furnished by the Engineer. This representation will have authority to transmit instructions, receive information, interpret, and define City's policies and decisions with respect to engineering services.

- City will participate in meetings and facilitate the sharing of information, provide guidance, and respond to requests for information.

- City will provide relevant records, water quality data, and as-built drawings to the Consultant.

- City will provide timely review of deliverables in accordance with the project schedule. City will provide review comments on deliverables in writing within two weeks of delivery.

- City will construct and operate the pilot demonstration system.

Addendum to Exhibit B
Engineering Services

CITY OF ROUND ROCK
ZEBRA MUSSELS EVALUATION AND WATER/WASTEWATER PFAS STUDY
ENGINEERING SERVICES
AMENDMENT NO. 1
MARCH 2025

SCOPE OF WORK

PROJECT DESCRIPTION

The City of Round Rock (Owner) is taking proactive steps to protect their raw water source from invasive zebra mussels that have been detected in central Texas watersheds, but not yet at the Owner's WTP intakes. Task 200 of the original Scope of Work produced a Technical Memorandum (TM) for a Zebra Mussel Control Strategy at the Owner's Lake Georgetown Raw Water Intake. The TM includes the background, conceptual designs, and comparison of three (3) copper-based zebra mussel control alternatives – EarthTec QZ, copper ion generation, and non-proprietary copper sulfate – with the existing sodium permanganate system. The comparison of the three alternatives were completed based on an evaluation matrix that included the following criteria: water quality impacts, effectiveness for zebra mussel control, TCEQ and U.S. Army Corps permitting requirements, compatibility with the existing system, operability, maintainability, and costs. Resulting from this evaluation, the Owner selected EarthTec QZ as their zebra mussel control strategy and a pilot demonstration is planned to validate the full-scale applicability of the alternative. Amendment No. 1 involves services requested by the Owner for Carollo Engineers (Engineer) to support their EarthTec QZ pilot demonstration and the permitting requirements associated with this pilot.

BASIC SERVICES TASKS

Engineer will provide permitting assistance for the Owner to proceed with the Pilot Demonstration and provide technical support and analysis of the Pilot Demonstration results and findings during and after the demonstration period.

The following tasks are included in this scope of services:

- Task 100 – Project Management
- Task 200 – Permitting Assistance
- Task 300 – Pilot Support

ASSUMPTIONS

This scope and fee are based on the following assumptions:

- Engineer will provide technical assistance to the Owner on the pilot test approach, develop the pilot test protocol, and pilot test report.

- Owner will be responsible for procuring any required pilot test equipment and setting up the pilot system in coordination with the vendor.

- Owner will be responsible for operating the pilot system. Engineer will provide a protocols for pump drawdown tests, sampling, and field data collection with log sheets. Engineer will meet with the Owner to advise on pilot start-up and operation, and meet during the pilot to provide QA on pilot operations.

- An amendment will be needed for the Engineer and its Subconsultant to prepare a 404 permit, if required by the USACE.

TASK 100 – PROJECT MANAGEMENT

Engineer will provide project management services to facilitate efficient project completion. Engineer's efforts will include the following activities, and will be based on the assumptions stated, where applicable.

Task 101 – Team Project Management

Engineer will provide project management services specific to the internal team for the purposes of managing the team to complete the tasks described in this scope of work through the duration of the contract.

Task 102 – Prepare and Submit Project Status Reports

Engineer will prepare and submit to the Owner, in electronic PDF format, a monthly project status report, summarizing the work completed by Engineer during the previous month, anticipated work for the following month, current budget and schedule status, and any project issues requiring discussion or resolution. This task assumes a submission of a maximum of ten (10) status reports during the duration of the project.

Task 103 – Meetings

Engineer will attend the following meetings with the Owner at different stages of the project. Following each meeting, Engineer will prepare and distribute minutes documenting key discussion and action items from the meeting.

- Kick-off Meeting: Engineer will attend a kick-off meeting at the onset of the project to confirm the scope of work, review contractual responsibilities, confirm goals, and clarify questions. Scope assumes one (1) in-person meeting with Owner, with attendance by maximum of two (2) Engineer representatives.

- Pilot Start-Up Meeting: Engineer will meet with City operators to discuss pilot start-up and operations. Scope assumes one (1) in-person meeting with attendance by maximum of two (2) Engineer representatives.

- Mid-Pilot Check-In: Engineer will attend a check-in meeting in the middle of the Pilot Demonstration to discuss project progress, and potential issues and resolution. Scope

assumes one (1) in-person meeting with Owner, with attendance by maximum of two (2) Engineer representatives.

- Post-Pilot Review Meeting: Engineer will attend a review meeting upon completion of the Pilot Demonstration to discuss findings and Engineer's approach for the Pilot Test Report. Scope assumes one (1) in-person meeting with Owner, with attendance by maximum of two (2) Engineer representatives. Engineer will start drafting the Pilot Test Report following the meeting.

Task 100 Deliverables:

- Monthly Status Reports and Invoices
- Meeting Minutes

TASK 200 – PERMITTING ASSISTANCE

Engineer will assist the Owner with coordination with the Texas Commission for Environmental Quality (TCEQ), U.S. Army Corps of Engineers (USACE), and vendors to develop the Pilot Test Protocol and obtain regulatory approval for a 1-year EarthTec Pilot Demonstration at the Owner's Lake Georgetown Raw Water Intake. Additionally, the Engineer will coordinate with USACE to obtain approval for use of a copper ion generation system for zebra mussel control at the Lake Georgetown Raw Water Intake. Detailed activities are described in the following subtasks based on the assumptions stated, where applicable.

Task 201 – Coordination with TCEQ

Engineer will perform the following activities to assist the Owner in obtaining TCEQ approval for a 1-year EarthTec Pilot Demonstration.

- Engineer will coordinate and attend a preliminary virtual meeting with TCEQ and the Owner to discuss the requirements for approval of the EarthTec Pilot Demonstration. Scope assumes two (2) Engineer representatives preparing for and attending one (1) meeting with TCEQ.

- Engineer will develop a draft and final Pilot Test Protocol. The protocol will include technical details including dosing procedures, equipment installation locations, operations plan, sampling plan, and anticipated impacts to the Owner's raw water quality. Engineer will submit the draft protocol to the Owner for review. The final Pilot Test Protocol will be submitted to TCEQ.

- Engineer will coordinate and attend a virtual follow-up meeting with TCEQ after the final Pilot Test Protocol is submitted. The purpose of this meeting is to follow up with TCEQ on the approval process and resolve potential questions TCEQ may have regarding the Pilot Test Protocol. Scope assumes two (2) Engineer representatives preparing for and attending one (1) follow-up meeting with TCEQ.

- The scope also assumes eight (8) hours in total for Engineer representatives to respond to any comments and questions that TCEQ has on the Pilot Test Protocol, and perform

work and communication required by TCEQ to obtain approval of the Pilot Demonstration.

Task 201 Deliverables:

- Draft and final Pilot Test Protocol
- Meeting minutes

Task 202 – Coordination with USACE

Engineer and its Subconsultant will perform the following activities to assist the Owner in obtaining USACE approval for a 1-year Pilot Demonstration for EarthTec and copper ion generation.

- Engineer will coordinate and attend a virtual meeting with USACE and the Owner to discuss the requirements for approval of dosing EarthTec and copper ion from copper ion generation (should the Owner elect to implement this technology in the future) at the Lake Georgetown intake, and for maintaining existing approval of dosing sodium permanganate. Scope assumes three (3) hours each for two (2) Engineer representatives preparing for and attending one (1) meeting with USACE.
- Engineer will obtain and provide the information required by USACE for the pilot. The scope assumes the following information will be provided: chemical data sheets, details on chemical storage and containment, dose, and equipment for copper ion generation if used.

Task 202 Deliverables:

- Submittal to USACE
- Meeting minutes

203 – Coordination with Vendor

Engineer will coordinate with the EarthTec and copper ion generator vendors for information requested by TCEQ or USACE for regulatory approval, and for input on Pilot Test Protocol development, when applicable.

Task 203 Deliverables:

- None

TASK 300 – PILOT SUPPORT

Task 301 – Site Visits

Engineer will conduct three (3) half-day site visits by one (1) Engineer representative to the Pilot Demonstration location throughout the 1-year EarthTec QZ Pilot Demonstration. The purpose of

the site visits is to routinely check the status of Pilot Demonstration and provide technical support to the Owner about potential issues.

Task 301 Deliverables:

- Site Visit Notes

Task 302 – Draft and Final Pilot Test Report

Engineer will develop a draft and final Pilot Test Report after the Post-Pilot Review Meeting with the Owner. The report will include consistency of EarthTec dosing, storage and feed system operability and maintainability, and recommendations and lessons learned for full-scale implementation. The draft Pilot Test Report will be submitted to the Owner for review and comments. The Pilot Test Report will be finalized upon receipt of Owner's comments.

Task 302 Deliverables:

- Draft and Final Pilot Test Report

Task 303 – Additional Technical Support (As-Needed)

Engineer will provide additional technical support during the Pilot Demonstration as requested by the Owner. Scope assumes a maximum of twelve (12) hours of work can be performed, and work to be performed must be approved by the Owner.

Task 303 Deliverables:

- None

Addendum to Exhibit C
Work Schedule

Schedule

Immediately upon receipt of Notice to Proceed (NTP), Engineer is prepared to proceed with the following schedule.

- Task 103 Meetings:
    - Kick-off Meeting: within 2 weeks of NTP
    - Pilot Start-Up Meeting: within 1 week prior of Pilot Demonstration startup
    - Mid-Pilot Check-in Meeting: 6 months after Pilot Demonstration starts
    - Post-Pilot Review Meeting: within 2 weeks of Pilot Demonstration completion
- Task 200 Permitting Assistance:
    - 1 month after NTP
- Task 301 Site Visits:
    - Throughout the 1-year Pilot Demonstration period
- Task 303 Draft and Final Testing Report
    - 2 months after Pilot Demonstration completion

Addendum to Exhibit D
Fee Schedule

Attached Behind This Page

Exhibit D - Fee Schedule
City of Round Rock - Zebra Mussels Evaluation and W/WW PFAS Study - AMENDMENT 1

Task #	Task Description	Labor Hours and Costs							Other Direct Costs (Travel / Meals)	Subconsultant	Task Total
	Project Role	Principal in Charge	Technical Advisor / Interim PM	Project Manager	Staff Engineer	Technical Editor					
	Labor Category	Principal Professional	Senior Professional	Senior Professional	Staff Engineer	Document Processing					
	Project Team Member	Hani Michel, PE	Caroline Russell, PhD, PE	Brenna Bates, PE	Jerry Yan, PhD	Katy Butler	Labor Total				
							Hours	Dollars			
		$318	$280	$280	$140	$120					
100	**PROJECT MANAGEMENT**										
	Team Project Management	2	8	18	0	0	28	$7,916			$7,916
	Prepare and Submit Project Status Reports	0	2	4	0	4	10	$2,160			$2,160
	Meetings	4	8	8	12	0	32	$7,432	$400		$7,832
200	**Permitting Assistance**										
	Coordination with TCEQ	2	18	0	42	4	66	$12,036			$12,036
	Coordination with USACE	2	4	0	16	0	22	$3,996		$13,794	$17,790
	Coordination with Vendor	0	2	4	12	0	18	$3,360			$3,360
300	**Pilot Support**										
	Site Visits	0	2	6	12	0	20	$3,920	$150		$4,070
	Draft and Final Pilot Test Report	2	8	16	40	10	76	$14,156			$14,156
	Additional Technical Support (As-Needed)	0	4	4	6	0	14	$3,080			$3,080
	Totals	**12**	**56**	**60**	**140**	**18**	**286**	**$58,056**	**$550**	**$13,794**	**$72,400**