

**EXHIBIT**  
**"A"**



**CITY OF ROUND ROCK  
CONTRACT FOR ENGINEERING SERVICES**

**FIRM:** Plummer Associates, Inc. (“Engineer”)  
**ADDRESS:** 1221 Auraria Parkway, Denver, CO 80204  
**PROJECT:** BCRWWS East WWTP SCADA and HMI Programming Services

**THE STATE OF TEXAS** §  
§  
**COUNTY OF WILLIAMSON** §

THIS CONTRACT FOR ENGINEERING SERVICES (“Contract”) is made and entered into on this the \_\_\_ day of \_\_\_\_\_, 2019 by and between the CITY OF ROUND ROCK, a Texas home-rule municipal corporation, whose offices are located at 221 East Main Street, Round Rock, Texas 78664-5299, (hereinafter referred to as “City”), and Engineer, and such Contract is for the purpose of contracting for professional engineering services.

**RECITALS:**

WHEREAS, V.T.C.A., Government Code §2254.002(2)(A)(vii) under Subchapter A entitled “Professional Services Procurement Act” provides for the procurement by municipalities of services of professional engineers; and

WHEREAS, City and Engineer desire to contract for such professional engineering services; and

WHEREAS, City and Engineer wish to document their agreement concerning the requirements and respective obligations of the parties;

NOW, THEREFORE, WITNESSETH:

That for and in consideration of the mutual promises contained herein and other good and valuable considerations, and the covenants and agreements hereinafter contained to be kept and performed by the respective parties hereto, it is agreed as follows:

## **CONTRACT DOCUMENTS**

The Contract Documents consist of this Contract and any exhibits attached hereto (which exhibits are hereby incorporated into and made a part of this Contract) and all Supplemental Contracts (as defined herein in Article 13) which are subsequently issued. These form the entire contract, and all are as fully a part of this Contract as if attached to this Contract or repeated herein.

### **ARTICLE 1 CITY SERVICES**

City shall perform or provide services as identified in Exhibit A entitled "City Services."

### **ARTICLE 2 ENGINEERING SERVICES**

Engineer shall perform Engineering Services as identified in Exhibit B entitled "Engineering Services."

Engineer shall perform the Engineering Services in accordance with the Work Schedule as identified in Exhibit C entitled "Work Schedule." Such Work Schedule shall contain a complete schedule so that the Engineering Services under this Contract may be accomplished within the specified time and at the specified cost. The Work Schedule shall provide specific work sequences and definite review times by City and Engineer of all Engineering Services. Should the review times or Engineering Services take longer than shown on the Work Schedule, through no fault of Engineer, Engineer may submit a timely written request for additional time, which shall be subject to the approval of the City Manager.

### **ARTICLE 3 CONTRACT TERM**

**(1) Term.** The Engineer is expected to complete the Engineering Services described herein in accordance with the above described Work Schedule. If Engineer does not perform the Engineering Services in accordance with the Work Schedule, then City shall have the right to terminate this Contract as set forth below in Article 20. So long as the City elects not to terminate this Contract, it shall continue from day to day until such time as the Engineering Services are completed. Any Engineering Services performed or costs incurred after the date of termination shall not be eligible for reimbursement. Engineer shall notify City in writing as soon as possible if he/she/it determines, or reasonably anticipates, that the Engineering Services will not be completed in accordance with the Work Schedule.

**(2) Work Schedule.** Engineer acknowledges that the Work Schedule is of critical importance, and agrees to undertake all necessary efforts to expedite the performance of Engineering Services required herein so that construction of the project will be commenced and completed as scheduled. In this regard, and subject to adjustments in the Work Schedule as provided in Article 2 herein, Engineer shall proceed with sufficient qualified personnel and consultants necessary to fully and timely accomplish all Engineering Services required under this Contract in a professional manner.

**(3) Notice to Proceed.** After execution of this Contract, Engineer shall not proceed with Engineering Services until authorized in writing by City to proceed as provided in Article 7.

#### **ARTICLE 4** **COMPENSATION**

City shall pay and Engineer agrees to accept the amount shown below as full compensation for all engineering services performed and to be performed under this Contract.

Engineer shall be paid on the basis of actual hours worked by employees performing work associated with this Contract, in accordance with the Fee Schedule attached hereto as Exhibit D. Payment of monies due for the Engineer's subconsultant's services shall be based on the actual amount billed to the Engineer by the subconsultant. Payment of monies due for direct cost expenses shall be based on the actual costs.

The maximum amount payable under this Contract, without modification of this Contract as provided herein, is the sum of One Million Five Thousand Five Hundred Eighty and No/100 Dollars, (\$1,005,580.00). Engineer shall prepare and submit to City monthly progress reports in sufficient detail to support the progress of the work and to support invoices requesting monthly payment. Any preferred format of City for such monthly progress reports shall be identified in Exhibit B entitled "Engineering Services". Satisfactory progress of work shall be an absolute condition of payment.

The maximum amount payable herein may be adjusted for additional work requested and performed only if approved by written Supplemental Agreement.

#### **ARTICLE 5** **METHOD OF PAYMENT**

Payments to Engineer shall be made while Engineering Services are in progress. Engineer shall prepare and submit to City, not more frequently than once per month, a progress report as referenced in Article 4 above. Such progress report shall state the percentage of completion of Engineering Services accomplished during that billing period and to date. Simultaneous with submission of such progress report, Engineer shall prepare and submit one (1) original and one (1) copy of a certified invoice in a form acceptable to City. This submittal shall also include a progress assessment report in a form acceptable to City.

Progress payments shall be made in proportion to the percentage of completion of Engineering Services identified in Exhibit D. Progress payments shall be made by City based upon Engineering Services actually provided and performed. Upon timely receipt and approval of each statement, City shall make a good faith effort to pay the amount which is due and payable within thirty (30) days. City reserves the right to withhold payment pending verification of satisfactory Engineering Services performed. Engineer has the responsibility to submit proof to City, adequate and sufficient in its determination, that tasks were completed.

The certified statements shall show the total amount earned to the date of submission and shall show the amount due and payable as of the date of the current statement. Final payment does not relieve

Engineer of the responsibility of correcting any errors and/or omissions resulting from his/her/its negligence.

**ARTICLE 6**  
**PROMPT PAYMENT POLICY**

In accordance with Chapter 2251, V.T.C.A., Texas Government Code, payment to Engineer will be made within thirty (30) days of the day on which the performance of services was complete, or within thirty (30) days of the day on which City receives a correct invoice for services, whichever is later. Engineer may charge a late fee (fee shall not be greater than that which is permitted by Texas law) for payments not made in accordance with this prompt payment policy; however, this policy does not apply in the event:

- A. There is a bona fide dispute between City and Engineer concerning the supplies, materials, or equipment delivered or the services performed that causes the payment to be late; or
- B. The terms of a federal contract, grant, regulation, or statute prevent City from making a timely payment with federal funds; or
- C. There is a bona fide dispute between Engineer and a subcontractor or between a subcontractor and its supplier concerning supplies, materials, or equipment delivered or the Engineering Services performed which causes the payment to be late; or
- D. The invoice is not mailed to City in strict accordance with instructions, if any, on the purchase order, or this Contract or other such contractual agreement.

City shall document to Engineer the issues related to disputed invoices within ten (10) calendar days of receipt of such invoice. Any non-disputed invoices shall be considered correct and payable per the terms of Chapter 2251, V.T.C.A., Texas Government Code.

**ARTICLE 7**  
**NOTICE TO PROCEED**

The Engineer shall not proceed with any task listed on Exhibit B until the City has issued a written Notice to Proceed regarding such task. The City shall not be responsible for work performed or costs incurred by Engineer related to any task for which a Notice to Proceed has not been issued.

**ARTICLE 8**  
**PROJECT TEAM**

City's Designated Representative for purposes of this Contract is as follows:

David Freireich, P.E.  
Project Manager  
2008 Enterprise Drive  
Round Rock, TX 78664  
Telephone Number (512) 671-2756

Mobile Number (512) 563-1121  
Fax Number N/A  
Email Address [dfreireich@roundrocktexas.gov](mailto:dfreireich@roundrocktexas.gov)

City's Designated Representative shall be authorized to act on City's behalf with respect to this Contract. City or City's Designated Representative shall render decisions in a timely manner pertaining to documents submitted by Engineer in order to avoid unreasonable delay in the orderly and sequential progress of Engineering Services.

Engineer's Designated Representative for purposes of this Contract is as follows:

Nicholas Toussaint  
Principal  
1221 Auraria Parkway  
Denver, CO 80204  
Telephone Number (720) 774-6136  
Telephone Number (720) 425-6240  
Email Address [ntoussaint@plummer.com](mailto:ntoussaint@plummer.com)

## **ARTICLE 9**

### **PROGRESS EVALUATION**

Engineer shall, from time to time during the progress of the Engineering Services, confer with City at City's election. Engineer shall prepare and present such information as may be pertinent and necessary, or as may be requested by City, in order for City to evaluate features of the Engineering Services. At the request of City or Engineer, conferences shall be provided at Engineer's office, the offices of City, or at other locations designated by City. When requested by City, such conferences shall also include evaluation of the Engineering Services.

Should City determine that the progress in Engineering Services does not satisfy the Work Schedule, then City shall review the Work Schedule with Engineer to determine corrective action required.

Engineer shall promptly advise City in writing of events which have or may have a significant impact upon the progress of the Engineering Services, including but not limited to the following:

- (1) Problems, delays, adverse conditions which may materially affect the ability to meet the objectives of the Work Schedule, or preclude the attainment of project Engineering Services units by established time periods; and such disclosure shall be accompanied by statement of actions taken or contemplated, and City assistance needed to resolve the situation, if any; and
- (2) Favorable developments or events which enable meeting the Work Schedule goals sooner than anticipated.

**ARTICLE 10**  
**SUSPENSION**

Should City desire to suspend the Engineering Services, but not to terminate this Contract, then such suspension may be effected by City giving Engineer thirty (30) calendar days' verbal notification followed by written confirmation to that effect. Such thirty-day notice may be waived in writing by agreement and signature of both parties. The Engineering Services may be reinstated and resumed in full force and effect within sixty (60) days of receipt of written notice from City to resume the Engineering Services. Such sixty-day notice may be waived in writing by agreement and signature of both parties. If this Contract is suspended for more than thirty (30) days, Engineer shall have the option of terminating this Contract.

If City suspends the Engineering Services, the contract period as determined in Article 3, and the Work Schedule, shall be extended for a time period equal to the suspension period.

City assumes no liability for Engineering Services performed or costs incurred prior to the date authorized by City for Engineer to begin Engineering Services, and/or during periods when Engineering Services is suspended, and/or subsequent to the contract completion date.

**ARTICLE 11**  
**ADDITIONAL ENGINEERING SERVICES**

If Engineer forms a reasonable opinion that any work he/she/it has been directed to perform is beyond the scope of this Contract and as such constitutes extra work, he/she/it shall promptly notify City in writing. In the event City finds that such work does constitute extra work and exceeds the maximum amount payable, City shall so advise Engineer and a written Supplemental Contract will be executed between the parties as provided in Article 13. Engineer shall not perform any proposed additional work nor incur any additional costs prior to the execution, by both parties, of a written Supplemental Contract. City shall not be responsible for actions by Engineer nor for any costs incurred by Engineer relating to additional work not directly associated with the performance of the Engineering Services authorized in this Contract or any amendments thereto.

**ARTICLE 12**  
**CHANGES IN ENGINEERING SERVICES**

If City deems it necessary to request changes to previously satisfactorily completed Engineering Services or parts thereof which involve changes to the original Engineering Services or character of Engineering Services under this Contract, then Engineer shall make such revisions as requested and as directed by City. Such revisions shall be considered as additional Engineering Services and paid for as specified under Article 11.

Engineer shall make revisions to Engineering Services authorized hereunder as are necessary to correct errors appearing therein, when required to do so by City. No additional compensation shall be due for such Engineering Services.

**ARTICLE 13**  
**SUPPLEMENTAL CONTRACTS**

The terms of this Contract may be modified by written Supplemental Contract if City determines that there has been a significant change in (1) the scope, complexity or character of the Engineering Services, or (2) the duration of the Engineering Services. Any such Supplemental Contract must be duly authorized by the City. Engineer shall not proceed until the Supplemental Contract has been executed. Additional compensation, if appropriate, shall be identified as provided in Article 4.

It is understood and agreed by and between both parties that Engineer shall make no claim for extra work done or materials furnished until the City authorizes full execution of the written Supplemental Contract and authorization to proceed. City reserves the right to withhold payment pending verification of satisfactory Engineering Services performed.

**ARTICLE 14**  
**USE OF DOCUMENTS**

All documents, including but not limited to drawings, specifications and data or programs stored electronically, (hereinafter referred to as "Instruments of Service") prepared by Engineer and its subcontractors are related exclusively to the services described in this Contract and are intended to be used with respect to this Project. However, it is expressly understood and agreed by and between the parties hereto that all of Engineer's designs under this Contract (including but not limited to tracings, drawings, estimates, specifications, investigations, studies and other documents, completed or partially completed), shall be the property of City to be thereafter used in any lawful manner as City elects. Any such subsequent use made of documents by City shall be at City's sole risk and without liability to Engineer, and, to the extent permitted by law, City shall hold harmless Engineer from all claims, damages, losses and expenses, resulting therefrom. Any modification of the plans will be evidenced on the plans and be signed and sealed by a licensed professional prior to re-use of modified plans.

By execution of this Contract and in confirmation of the fee for services to be paid under this Contract, Engineer hereby conveys, transfers and assigns to City all rights under the Federal Copyright Act of 1976 (or any successor copyright statute), as amended, all common law copyrights and all other intellectual property rights acknowledged by law in the Project designs and work product developed under this Contract. Copies may be retained by Engineer. Engineer shall be liable to City for any loss or damage to any such documents while they are in the possession of or while being worked upon by Engineer or anyone connected with Engineer, including agents, employees, Engineers or subcontractors. All documents so lost or damaged shall be replaced or restored by Engineer without cost to City.

Upon execution of this Contract, Engineer grants to City permission to reproduce Engineer's work and documents for purposes of constructing, using and maintaining the Project, provided that City shall comply with its obligations, including prompt payment of all sums when due, under this Contract. Engineer shall obtain similar permission from Engineer's subcontractors consistent with this Contract. If and upon the date Engineer is adjudged in default of this Contract, City is permitted to authorize other similarly credentialed design professionals to reproduce and, where permitted by law, to make changes, corrections or additions to the work and documents for the purposes of completing, using and maintaining the Project.

City shall not assign, delegate, sublicense, pledge or otherwise transfer any permission granted herein to another party without the prior written contract of Engineer. However, City shall be permitted to authorize the contractor, subcontractors and material or equipment suppliers to reproduce applicable portions of the Instruments of Service appropriate to and for use in their execution of the Work. Submission or distribution of Instruments of Service to meet official regulatory requirements or for similar purposes in connection with the Project is permitted. Any unauthorized use of the Instruments of Service shall be at City's sole risk and without liability to Engineer and its Engineers.

Prior to Engineer providing to City any Instruments of Service in electronic form or City providing to Engineer any electronic data for incorporation into the Instruments of Service, City and Engineer shall by separate written contract set forth the specific conditions governing the format of such Instruments of Service or electronic data, including any special limitations not otherwise provided in this Contract. Any electronic files are provided by Engineer for the convenience of City, and use of them is at City's sole risk. In the case of any defects in electronic files or any discrepancies between them and any hardcopy of the same documents prepared by Engineer, the hardcopy shall prevail. Only printed copies of documents conveyed by Engineer shall be relied upon.

Engineer shall have no liability for changes made to the drawings by other engineers subsequent to the completion of the Project. Any such change shall be sealed by the engineer making that change and shall be appropriately marked to reflect what was changed or modified.

#### **ARTICLE 15** **PERSONNEL, EQUIPMENT AND MATERIAL**

Engineer shall furnish and maintain, at its own expense, quarters for the performance of all Engineering Services, and adequate and sufficient personnel and equipment to perform the Engineering Services as required. All employees of Engineer shall have such knowledge and experience as will enable them to perform the duties assigned to them. Any employee of Engineer who, in the opinion of City, is incompetent or whose conduct becomes detrimental to the Engineering Services shall immediately be removed from association with the project when so instructed by City. Engineer certifies that it presently has adequate qualified personnel in its employment for performance of the Engineering Services required under this Contract, or will obtain such personnel from sources other than City. Engineer may not change the Project Manager without prior written consent of City.

#### **ARTICLE 16** **SUBCONTRACTING**

Engineer shall not assign, subcontract or transfer any portion of the Engineering Services under this Contract without prior written approval from City. All subcontracts shall include the provisions required in this Contract and shall be approved as to form, in writing, by City prior to Engineering Services being performed under the subcontract. No subcontract shall relieve Engineer of any responsibilities under this Contract.

**ARTICLE 17**  
**EVALUATION OF ENGINEERING SERVICES**

City, or any authorized representatives of it, shall have the right at all reasonable times to review or otherwise evaluate the Engineering Services performed or being performed hereunder and the premises on which it is being performed. If any review or evaluation is made on the premises of Engineer or a subcontractor, then Engineer shall provide and require its subcontractors to provide all reasonable facilities and assistance for the safety and convenience of City or other representatives in the performance of their duties.

**ARTICLE 18**  
**SUBMISSION OF REPORTS**

All applicable study reports shall be submitted in preliminary form for approval by City before any final report is issued. City's comments on Engineer's preliminary reports shall be addressed in any final report.

**ARTICLE 19**  
**VIOLATION OF CONTRACT TERMS/BREACH OF CONTRACT**

Violation of contract terms or breach of contract by Engineer shall be grounds for termination of this Contract, and any increased costs arising from Engineer's default, breach of contract, or violation of contract terms shall be paid by Engineer.

**ARTICLE 20**  
**TERMINATION**

This Contract may be terminated as set forth below.

- (1) By mutual agreement and consent, in writing, of both parties.
- (2) By City, by notice in writing to Engineer, as a consequence of failure by Engineer to perform the Engineering Services set forth herein in a satisfactory manner.
- (3) By either party, upon the failure of the other party to fulfill its obligations as set forth herein.
- (4) By City, for reasons of its own and not subject to the mutual consent of Engineer, upon not less than thirty (30) days' written notice to Engineer.
- (5) By satisfactory completion of all Engineering Services and obligations described herein.

Should City terminate this Contract as herein provided, no fees other than fees due and payable at the time of termination shall thereafter be paid to Engineer. In determining the value of the Engineering Services performed by Engineer prior to termination, City shall be the sole judge. Compensation for Engineering Services at termination will be based on a percentage of the Engineering

Services completed at that time. Should City terminate this Contract under Subsection (4) immediately above, then the amount charged during the thirty-day notice period shall not exceed the amount charged during the preceding thirty (30) days.

If Engineer defaults in the performance of this Contract or if City terminates this Contract for fault on the part of Engineer, then City shall give consideration to the actual costs incurred by Engineer in performing the Engineering Services to the date of default, the amount of Engineering Services required which was satisfactorily completed to date of default, the value of the Engineering Services which are usable to City, the reasonable and necessary cost to City of employing another firm to complete the Engineering Services required and the time required to do so, and other factors which affect the value to City of the Engineering Services performed at the time of default.

The termination of this Contract and payment of an amount in settlement as prescribed above shall extinguish all rights, duties, and obligations of City and Engineer under this Contract, except the obligations set forth herein in Article 21 entitled "Compliance with Laws." If the termination of this Contract is due to the failure of Engineer to fulfill his/her/its contractual obligations, then City may take over the project and prosecute the Engineering Services to completion. In such case, Engineer shall be liable to City for any additional and reasonable costs incurred by City.

Engineer shall be responsible for the settlement of all contractual and administrative issues arising out of any procurements made by Engineer in support of the Engineering Services under this Contract.

## **ARTICLE 21** **COMPLIANCE WITH LAWS**

**(1) Compliance.** Engineer shall comply with all applicable federal, state and local laws, statutes, codes, ordinances, rules and regulations, and the orders and decrees of any court, or administrative bodies or tribunals in any manner affecting the performance of this Contract, including without limitation, minimum/maximum salary and wage statutes and regulations, and licensing laws and regulations. Engineer shall furnish City with satisfactory proof of his/her/its compliance.

Engineer shall further obtain all permits and licenses required in the performance of the Engineering Services contracted for herein.

**(2) Taxes.** Engineer will pay all taxes, if any, required by law arising by virtue of the Engineering Services performed hereunder. City is qualified for exemption pursuant to the provisions of Section 151.309 of the Texas Limited Sales, Excise, and Use Tax Act.

**(3)** As required by Chapter 2270, Government Code, Engineer hereby verifies that it does not boycott Israel and will not boycott Israel through the term of this Agreement. For purposes of this verification, "boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes.

**ARTICLE 22**  
**INDEMNIFICATION**

Engineer shall save and hold City harmless from all liability for damage to the extent that the damage is caused by or results from an act of negligence, intentional tort, intellectual property infringement, or failure to pay a subcontractor or supplier committed by Engineer, Engineer's agent, or another entity over which Engineer exercises control. Engineer shall also save and hold City harmless from any and all expenses, including but not limited to reasonable attorneys' fees which may be incurred by City in litigation or otherwise defending claims or liabilities which may be imposed on City to the extent resulting from such negligent activities by Engineer, its agents, or employees.

**ARTICLE 23**  
**ENGINEER'S RESPONSIBILITIES**

Engineer shall be responsible for the accuracy of his/her/its Engineering Services and shall promptly make necessary revisions or corrections to its work product resulting from errors, omissions, or negligent acts, and same shall be done without compensation. City shall determine Engineer's responsibilities for all questions arising from design errors and/or omissions. Engineer shall not be relieved of responsibility for subsequent correction of any such errors or omissions in its work product, or for clarification of any ambiguities until after the construction phase of the project has been completed.

**ARTICLE 24**  
**ENGINEER'S SEAL**

The responsible engineer shall sign, seal and date all appropriate engineering submissions to City in accordance with the Texas Engineering Practice Act and the rules of the State Board of Registration for Professional Engineers.

**ARTICLE 25**  
**NON-COLLUSION, FINANCIAL INTEREST PROHIBITED**

(1) **Non-collusion.** Engineer warrants that he/she/it has not employed or retained any company or persons, other than a bona fide employee working solely for Engineer, to solicit or secure this Contract, and that he/she/it has not paid or agreed to pay any company or engineer any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this Contract. For breach or violation of this warranty, City reserves and shall have the right to annul this Contract without liability or, in its discretion and at its sole election, to deduct from the contract price or compensation, or to otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

(2) **Financial Interest Prohibited.** Engineer covenants and represents that Engineer, his/her/its officers, employees, agents, consultants and subcontractors will have no financial interest, direct or indirect, in the purchase or sale of any product, materials or equipment that will be recommended or required for the construction of the project.

**ARTICLE 26**  
**INSURANCE**

**(1) Insurance.** Engineer, at Engineer's sole cost, shall purchase and maintain during the entire term while this Contract is in effect professional liability insurance coverage in the minimum amount of One Million Dollars per claim from a company authorized to do insurance business in Texas and otherwise acceptable to City. Engineer shall also notify City, within twenty-four (24) hours of receipt, of any notices of expiration, cancellation, non-renewal, or material change in coverage it receives from its insurer.

**(2) Subconsultant Insurance.** Without limiting any of the other obligations or liabilities of Engineer, Engineer shall require each subconsultant performing work under this Contract to maintain during the term of this Contract, at the subconsultant's own expense, the same stipulated minimum insurance required in Article 26, Section (1) above, including the required provisions and additional policy conditions as shown below in Article 26, Section (3).

Engineer shall obtain and monitor the certificates of insurance from each subconsultant in order to assure compliance with the insurance requirements. Engineer must retain the certificates of insurance for the duration of this Contract, and shall have the responsibility of enforcing these insurance requirements among its subconsultants. City shall be entitled, upon request and without expense, to receive copies of these certificates of insurance.

**(3) Insurance Policy Endorsements.** Each insurance policy shall include the following conditions by endorsement to the policy:

- (a) Engineer shall notify City thirty (30) days prior to the expiration, cancellation, non-renewal in coverage, and such notice thereof shall be given to City by certified mail to:

City Manager, City of Round Rock  
221 East Main Street  
Round Rock, Texas 78664

- (b) The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by City, to any such future coverage, or to City's Self-Insured Retentions of whatever nature.

**(4) Cost of Insurance.** The cost of all insurance required herein to be secured and maintained by Engineer shall be borne solely by Engineer, with certificates of insurance evidencing such minimum coverage in force to be filed with City. Such Certificates of Insurance are evidenced as Exhibit E herein entitled "Certificates of Insurance."

**ARTICLE 27**  
**COPYRIGHTS**

City shall have the royalty-free, nonexclusive and irrevocable right to reproduce, publish or otherwise use, and to authorize others to use, any reports developed by Engineer for governmental purposes.

**ARTICLE 28**  
**SUCCESSORS AND ASSIGNS**

This Contract shall be binding upon and inure to the benefit of the parties hereto, their successors, lawful assigns, and legal representatives. Engineer may not assign, sublet or transfer any interest in this Contract, in whole or in part, by operation of law or otherwise, without obtaining the prior written consent of City.

**ARTICLE 29**  
**SEVERABILITY**

In the event any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such invalidity, illegality or unenforceability shall not affect any other provision thereof and this Contract shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

**ARTICLE 30**  
**PRIOR AGREEMENTS SUPERSEDED**

This Contract constitutes the sole agreement of the parties hereto, and supersedes any prior understandings or written or oral contracts between the parties respecting the subject matter defined herein. This Contract may only be amended or supplemented by mutual agreement of the parties hereto in writing.

**ARTICLE 31**  
**ENGINEER'S ACCOUNTING RECORDS**

Records pertaining to the project, and records of accounts between City and Engineer, shall be kept on a generally recognized accounting basis and shall be available to City or its authorized representatives at mutually convenient times. The City reserves the right to review all records it deems relevant which are related to this Contract.

**ARTICLE 32**  
**NOTICES**

All notices to either party by the other required under this Contract shall be personally delivered or mailed to such party at the following respective addresses:

**City:**

City of Round Rock  
Attention: City Manager  
221 East Main Street  
Round Rock, TX 78664

and to:

Stephan L. Sheets  
City Attorney  
309 East Main Street  
Round Rock, TX 78664

**Engineer:**

Nicholas Toussaint  
Principal  
1221 Auraria Parkway  
Denver, CO 80204

**ARTICLE 33**  
**GENERAL PROVISIONS**

**(1) Time is of the Essence.** The Services shall be performed expeditiously as is prudent considering the ordinary professional skill and care of a competent engineer. Engineer understands and agrees that time is of the essence and that any failure of Engineer to complete the Engineering Services for each phase of this Contract within the agreed Work Schedule may constitute a material breach of this Contract. Engineer shall be fully responsible for his/her/its delays or for failures to use his/her/its reasonable efforts in accordance with the terms of this Contract and the Engineer's standard of performance as defined herein. Where damage is caused to City due to Engineer's negligent failure to perform City may accordingly withhold, to the extent of such damage, Engineer's payments hereunder without waiver of any of City's additional legal rights or remedies. Any determination to withhold or set off shall be made in good faith and with written notice to Engineer provided, however, Engineer shall have fourteen (14) calendar days from receipt of the notice to submit a plan for cure reasonably acceptable to City.

**(2) Force Majeure.** Neither City nor Engineer shall be deemed in violation of this Contract if prevented from performing any of their obligations hereunder by reasons for which they are not responsible or circumstances beyond their control. However, notice of such impediment or delay in performance must be timely given, and all reasonable efforts undertaken to mitigate its effects.

**(3) Enforcement and Venue.** This Contract shall be enforceable in Round Rock, Williamson County, Texas, and if legal action is necessary by either party with respect to the enforcement of any or

all of the terms or conditions herein, exclusive venue for same shall lie in Williamson County, Texas. This Contract shall be governed by and construed in accordance with the laws and court decisions of the State of Texas.

**(4) Standard of Performance.** The standard of care for all professional engineering, consulting and related services performed or furnished by Engineer and its employees under this Contract will be the care and skill ordinarily used by members of Engineer's profession practicing under the same or similar circumstances at the same time and in the same locality. Excepting Articles 25 and 34 herein, Engineer makes no warranties, express or implied, under this Contract or otherwise, in connection with the Engineering Services.

**(5) Opinion of Probable Cost.** Any opinions of probable project cost or probable construction cost provided by Engineer are made on the basis of information available to Engineer and on the basis of Engineer's experience and qualifications and represents its judgment as an experienced and qualified professional engineer. However, since Engineer has no control over the cost of labor, materials, equipment or services furnished by others, or over the contractor(s') methods of determining prices, or over competitive bidding or market conditions, Engineer does not guarantee that proposals, bids or actual project or construction cost will not vary from opinions of probable cost Engineer prepares.

**(6) Opinions and Determinations.** Where the terms of this Contract provide for action to be based upon opinion, judgment, approval, review, or determination of either party hereto, such terms are not intended to be and shall never be construed as permitting such opinion, judgment, approval, review, or determination to be arbitrary, capricious, or unreasonable.

#### **ARTICLE 34** **SIGNATORY WARRANTY**

The undersigned signatory for Engineer hereby represents and warrants that the signatory is an officer of the organization for which he/she has executed this Contract and that he/she has full and complete authority to enter into this Contract on behalf of the firm. The above-stated representations and warranties are made for the purpose of inducing City to enter into this Contract.

**IN WITNESS WHEREOF**, the City of Round Rock has caused this Contract to be signed in its corporate name by its duly authorized City Manager or Mayor, as has Engineer, signing by and through its duly authorized representative(s), thereby binding the parties hereto, their successors, assigns and representatives for the faithful and full performance of the terms and provisions hereof.

*[signature page follows]*

CITY OF ROUND ROCK, TEXAS

APPROVED AS TO FORM:

By: \_\_\_\_\_  
Craig Morgan, Mayor

\_\_\_\_\_  
Stephan L. Sheets, City Attorney

**ATTEST:**

By: \_\_\_\_\_  
Sara L. White, City Clerk

PLUMMER Associates, Inc.

By: Stephen J Coonan  
Signature of Principal  
Printed Name: Stephen J Coonan

**LIST OF EXHIBITS ATTACHED**

- |               |                           |
|---------------|---------------------------|
| (1) Exhibit A | City Services             |
| (2) Exhibit B | Engineering Services      |
| (3) Exhibit C | Work Schedule             |
| (4) Exhibit D | Fee Schedule              |
| (5) Exhibit E | Certificates of Insurance |

## **EXHIBIT A**

### **City Services**

Per the scope of work documented in Exhibit B – Engineering Service, the City of Round Rock (CITY) responsibilities will include the following:

- Provide Alan Plummer Associates, Inc. (APAI) with requested information as needed, included, but not limited to, previous studies, record drawings, operational data, etc.
- Provide APAI with access to the City's facilities as needed to complete the work.
- Review materials submitted by APAI related to the project and provide comments back as requested.
- Arrange for and coordinate regular meetings with CITY staff for the review of information provided and to receive comments.
- Pay all permitting fees associated with the Texas Pollutant Discharge Elimination System (TPDES) permit.
- Arrange for and pay newspaper publication fees associated with the publication of the bid solicitations

## **EXHIBIT B**

### **Engineering Services**

This Exhibit is part of the Agreement between Plummer Associates, Inc. (Plummer) (the "Engineer") and the City of Round Rock (the "City") for the project generally described as:

### **Brushy Creek Regional Wastewater Treatment System East Plant (BCE) Expansion to 30 MGD SCADA and HMI Programming Services**

#### ***Introduction***

The scope of this amendment is to provide services required for moving PLC control panel replacement earlier in the project schedule to address existing plant operational issues. We have broken out the work into two projects in the Fee Schedule to facilitate efficient tracking of the work:

**Project 1** – Design work by engineer to bid out early Phase A & Phase B bid packages

**Project 2** – PLC/HMI programming and configuration services for the project

*Project 1 Services include the following:*

Tasks A/B/C/PM - Plans and specifications for Prebid (Phase A & Phase B)

- Additional Services provided by engineer to breakout the PLC and HMI improvements into Phase A and Phase B packages. This includes the definition of BCE I&C Scope into two phases, to support early deployment of critical PLC replacements.
- Also includes support during bidding phase by answering contractor questions, issuing bid addendums and holding a pre-bid conference and a bid opening for Phase A/Phase B work.
- Construction phase services for I&C including submittal reviews, RFI responses and PLC panel factory testing prior to expansion project construction.
- Additional Services provided to monitor and control project scope, schedule and budget and provide quality assurance of services.

*Project 2 Services include the following:*

SCADA Configuration Services for PLC/HMI replacement (Phase 1 and Phase 2)

- The services include the development of programming and configuration standards, the creation of HMI and PLC databases, development of standard HMI graphic components and PLC function blocks, user security configuration and controls documentation. Also included in the scope is HMI configuration and PLC programming complete for Phase A and Phase B, Factory, and Site Acceptance testing and operator training required ahead of expansion construction.

## 1 HMI/PLC Standards

A SCADA Design and Standards Guide will be a project deliverable that documents following components of the SCADA system:

- 1.1 SCADA System Architecture
  - 1.1.1 Controls Architecture
  - 1.1.2 Network Components
  - 1.1.3 Network Connections
  - 1.1.4 Network Security
- 1.2 Control Strategies
- 1.3 Instrumentation Criteria
- 1.4 Input & Output Criteria
  - 1.4.1 Hard-wired I/O
  - 1.4.2 Ethernet Communications
- 1.5 PLC Guidelines
  - 1.5.1 Manufacturers
  - 1.5.2 PLC Network Communications
  - 1.5.3 Network Redundancy
  - 1.5.4 Controller Rack Arrangement
  - 1.5.5 I/O Requirements
  - 1.5.6 PLC Programming
    - 1.5.6.1 Programming Organization
    - 1.5.6.2 Acceptable Programming Languages
    - 1.5.6.3 Tag Naming
    - 1.5.6.4 Derived Function Blocks
    - 1.5.6.5 Derived Data Types
    - 1.5.6.6 Project File Names
    - 1.5.6.7 Controller Outputs
    - 1.5.6.8 Controller Communications
    - 1.5.6.9 Analog Scaling
    - 1.5.6.10 Flow Totalization
    - 1.5.6.11 Equipment Run-time Calculations
    - 1.5.6.12 Clock Synchronization
    - 1.5.6.13 Program Documentation
- 1.6 HMI Criteria
  - 1.6.1 Manufacturers
  - 1.6.2 Operating System Software
  - 1.6.3 Overall HMI Design/Templates
  - 1.6.4 HMI Navigation & Hierarchy
  - 1.6.5 HMI Display Layout
  - 1.6.6 Process Equipment Symbology
  - 1.6.7 Naming Conventions
  - 1.6.8 Color Conventions
  - 1.6.9 Text Sizes
  - 1.6.10 Database Standards
  - 1.6.11 HMI Control Functions
- 1.7 Programming Workshops
- 1.8 Factory Acceptance Test
- 1.9 Site Acceptance Test

## 2 SCADA PLC Programming Services

The objective of these tasks is to create the required control strategies and develop new PLC programs for the replacement Modicon PLCs. Our Scope of services is based on a modular programming approach utilizing standard programming routines for pump control, alarm modules, VFD control, etc, with standard tagging approach integrated with the HMI tag database. This project will deliver SCADA Programming Services in two phases/bid packages. Phase A bid package includes early PLC Panels and Phase B package for the remainder of the PLC installed during the WWTP Expansion Project.

2.1 Create new PLC programs for the Phase A PLCs			
2.1.1	Influent Pumps	Influent Pump Station PS1	0200-PLC-1001
2.1.2	Non-Pot Pumps	Non-Pot PS	0200-PLC-1001
2.1.3	SO2 Induction Units	Chlorine Basin	0200-PLC-1001
2.1.4	Odor Control Fans	Odor Control Complex1	0200-PLC-1001
2.1.5	Chlorinators/Sulfntns	Chemical Building	1500-PLC-1001
2.1.6	RAS Pumps	RAS/WAS PS1	0650-PLC-1001
2.1.7	WAS Pumps	RAS/WAS PS1	0650-PLC-1001
2.1.8	Clarifiers	RAS/WAS PS1	0650-PLC-1001
2.1.9	Scum Pumps	Scum PS2	0650-PLC-1001
2.1.10	Belt Presses	Dewatering Building	1350-PLC-1001
2.1.11	Odor Control Fans	Odor Control Complex 2	0500-PLC-1001
2.1.12	Ventilation Fans	Odor Control Complex 2	0500-PLC-1001
2.2 Create New PLC Programs for Phase B PLCs			
2.2.1	Wizard Bubbler Blwrs	Influent Pump Station PS1	0200-PLC-1001
2.2.2	Sodium Hypo Pumps	Chemical Building	1500-PLC-1001
2.2.3	Sodium Bisulfate Pmpps	Chemical Building	1500-PLC-1001
2.2.4	Influent Pumps	Influent Pump Station PS2	0500-PLC-2001
2.2.5	Wizard Bubbler Blwrs	Influent Pump Station PS2	0500-PLC-2001
2.2.6	Influent Flow	PTU	0500-PLC-2001
2.2.7	AB Train 1 Air Flow Vlv	AB Train	0400-PLC-1001/2
2.2.8	AB Train 1 Anoxic Mxrs	AB Train	0400-PLC-1001/2
2.2.9	AB Train 1 Instruments	AB Train	0400-PLC-1001/2
2.2.10	AB Train 1 Aner Mxrs	AB Train	0800-PLC-1001
2.2.11	AB Train 1 Rtn Pmps	AB Train	0800-PLC-1001
2.2.12	AB Train 2 Air Flow Vlv	AB Train	0400-PLC-2001/2
2.2.13	AB Train 2 Anoxic Mxrs	AB Train	0400-PLC-2001/2
2.2.14	AB Train 2 Instruments	AB Train	0400-PLC-2001/2
2.2.15	AB Train 2 Aner Mxrs	AB Train	0800-PLC-1001
2.2.16	AB Train 2 Rtn Pmps	AB Train	0800-PLC-1001
2.2.17	AB Train 3 Air Flow Vlv	AB Train	0400-PLC-3001/2
2.2.18	AB Train 3 Anoxic Mxrs	AB Train	0400-PLC-3001/2
2.2.19	AB Train 3 Instruments	AB Train	0400-PLC-3001/2
2.2.20	AB Train 3 Aner Mxrs	AB Train	0500-PLC-2001
2.2.21	AB Train 3 Rtn Pmps	AB Train	0500-PLC-2001
2.2.22	RAS Pumps	RAS/WAS PS3	0650-PLC-3001
2.2.23	WAS Pumps	RAS/WAS PS3	0650-PLC-3001
2.2.24	Clarifiers	RAS/WAS PS3	0650-PLC-3001
2.2.25	Post Aeration Blwrs	UV Complex 2	0800-PLC-1001
2.2.26	Effl Filt Rtn Pmps	Effluent Filters	0800-PLC-1001
2.2.27	Flow Split to UV1, UV2	UV1, UV2	0800-PLC-1001
2.2.28	Primary Alum Pumps	Thickener Building	1300-PLC-1001
2.2.29	Secondary Alum Pumps	Thickener Building	1300-PLC-1001
2.2.30	Dewatering Bldg Mstr	Dewatering Building	1350-PLC-1001
2.2.31	Sludge Tnks CC Valve	Sludge Holding	1100-PLC-1001

- |        |                       |                |               |
|--------|-----------------------|----------------|---------------|
| 2.2.32 | Sludge Tnks Instr     | Sludge Holding | 1100-PLC-1001 |
| 2.2.33 | Gravity Thickner Pmps | Thickener Bldg | 1300-PLC-1001 |
| 2.2.34 | Gravity Thickner Poly | Thickener Bldg | 1300-PLC-1001 |
| 2.2.35 | GBTs Disch Pumps      | Thickener Bldg | 1300-PLC-1001 |
- 2.3 Field Testing  
2.4 Maintenance Tech Training

### **3 SCADA HMI Configuration Services**

- 3.1 HMI Database and Alarm Configuration
- 3.1.1 Configuration of Real-Time Process Database
  - 3.1.2 Configuration of Historian
  - 3.1.3 Configuration of Alarms
  - 3.1.4 Configuration of Alarm Notification Module
- 3.2 Phase A HMI Screen Development  
3.3 Configuration of Monthly Operation Reports  
3.4 Configuration of User Security and Roles/Groups  
3.5 Phase B HMI Screen Development  
3.6 Field Testing  
3.7 Operator Training

### **4 Project Management and Quality Control**

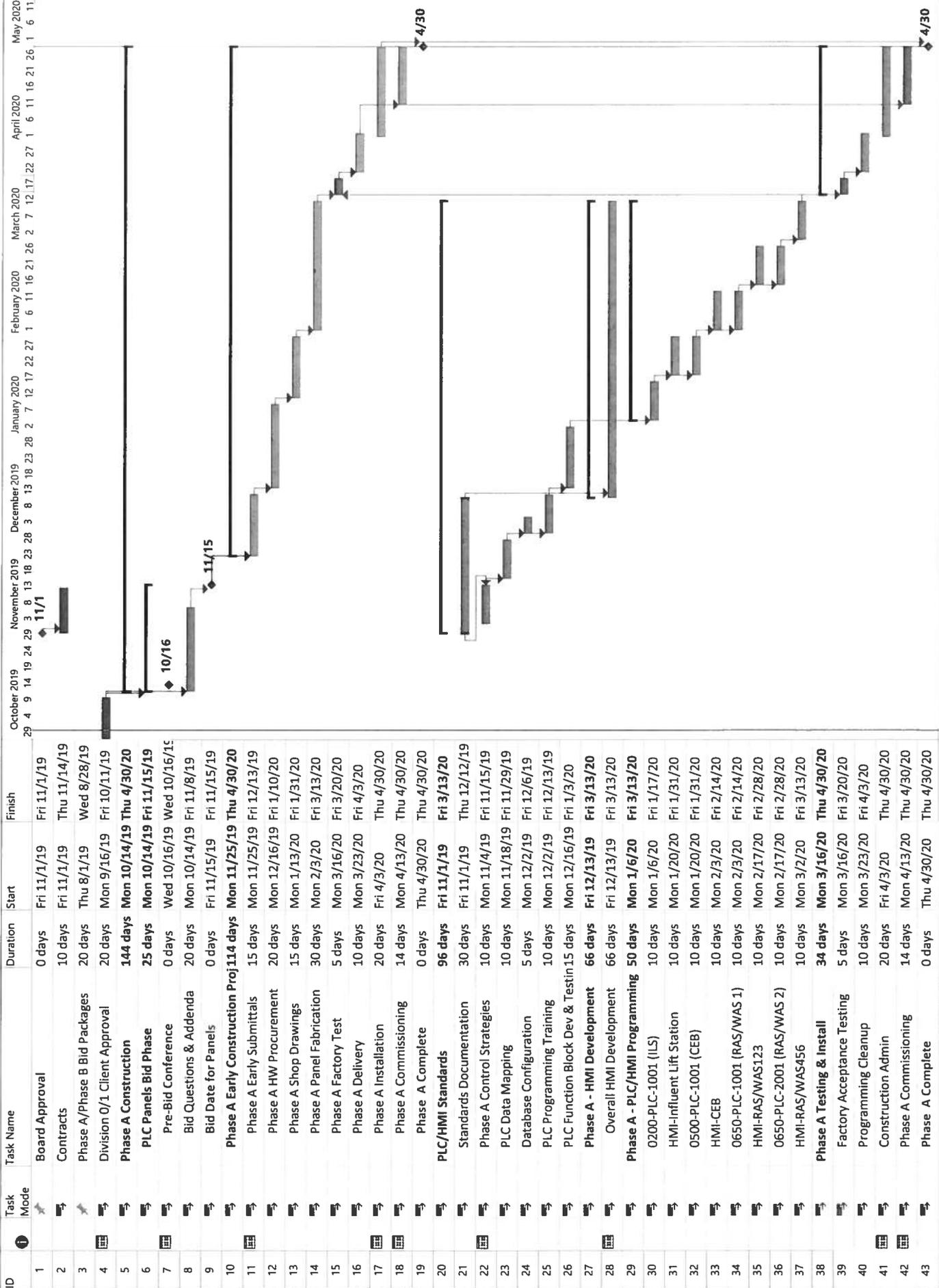
- 4.1 Provide project management activities to properly plan the work, sequence, manage, coordinate, schedule, and monitor the scope tasks and completion of the tasks. Conduct internal team coordination as required to accomplish the work.
- 4.2 Prepare a project management plan including scope, budget, schedule, communication, project team, and file organization.
- 4.3 Provide monthly status updates to the City including the percent complete for scope tasks and the issues, budget status, and schedule. Maintain and update on a monthly basis, an action item log, a decision log, and a project change log as well as the schedule.
- 4.4 Conduct QC reviews for the deliverables.
- 4.5 Conduct 3 progress meetings.

**EXHIBIT C**

**Work Schedule**

**Attached Behind This Page**

**BCRWS East WWTP SCADA and HMI PROGRAMMING**



ID	Task Mode	Task Name	Duration	Start	Finish
1	★	Board Approval	0 days	Fri 11/1/19	Fri 11/1/19
2	★	Contracts	10 days	Fri 11/1/19	Thu 11/14/19
3	★	Phase A/Phase B Bid Packages	20 days	Thu 8/1/19	Wed 8/28/19
4	★	Division 0/1 Client Approval	20 days	Mon 9/16/19	Fri 10/11/19
5	★	Phase A Construction	144 days	Mon 10/14/19	Thu 4/30/20
6	★	PLC Panels Bid Phase	25 days	Mon 10/14/19	Fri 11/15/19
7	★	Pre-Bid Conference	0 days	Wed 10/16/19	Wed 10/16/19
8	★	Bid Questions & Addenda	20 days	Mon 10/14/19	Fri 11/8/19
9	★	Bid Date for Panels	0 days	Fri 11/15/19	Fri 11/15/19
10	★	Phase A Early Construction Proj	114 days	Mon 11/25/19	Thu 4/30/20
11	★	Phase A Early Submittals	15 days	Mon 11/25/19	Fri 12/13/19
12	★	Phase A HW Procurement	20 days	Mon 12/16/19	Fri 1/10/20
13	★	Phase A Shop Drawings	15 days	Mon 1/13/20	Fri 1/31/20
14	★	Phase A Panel Fabrication	30 days	Mon 2/3/20	Fri 3/13/20
15	★	Phase A Factory Test	5 days	Mon 3/16/20	Fri 3/20/20
16	★	Phase A Delivery	10 days	Mon 3/23/20	Fri 4/3/20
17	★	Phase A Installation	20 days	Fri 4/3/20	Thu 4/30/20
18	★	Phase A Commissioning	14 days	Mon 4/13/20	Thu 4/30/20
19	★	Phase A Complete	0 days	Thu 4/30/20	Thu 4/30/20
20	★	PLC/HMI Standards	96 days	Fri 11/1/19	Fri 3/13/20
21	★	Standards Documentation	30 days	Fri 11/1/19	Thu 12/12/19
22	★	Phase A Control Strategies	10 days	Mon 11/4/19	Fri 11/15/19
23	★	PLC Data Mapping	10 days	Mon 11/18/19	Fri 11/29/19
24	★	Database Configuration	5 days	Mon 12/2/19	Fri 12/6/19
25	★	PLC Programming Training	10 days	Mon 12/2/19	Fri 12/13/19
26	★	PLC Function Block Dev & Test	15 days	Mon 12/16/19	Fri 1/3/20
27	★	Phase A - HMI Development	66 days	Fri 12/13/19	Fri 3/13/20
28	★	Overall HMI Development	66 days	Fri 12/13/19	Fri 3/13/20
29	★	Phase A - PLC/HMI Programming	50 days	Mon 1/6/20	Fri 3/13/20
30	★	0200-PLC-1001 (ILS)	10 days	Mon 1/6/20	Fri 1/17/20
31	★	HMI-Influent Lift Station	10 days	Mon 1/20/20	Fri 1/31/20
32	★	0500-PLC-1001 (CEB)	10 days	Mon 1/20/20	Fri 1/31/20
33	★	HMI-CEB	10 days	Mon 2/3/20	Fri 2/14/20
34	★	0650-PLC-1001 (RAS/WAS 1)	10 days	Mon 2/3/20	Fri 2/14/20
35	★	HMI-RAS/WAS123	10 days	Mon 2/17/20	Fri 2/28/20
36	★	0650-PLC-2001 (RAS/WAS 2)	10 days	Mon 2/17/20	Fri 2/28/20
37	★	HMI-RAS/WAS456	10 days	Mon 3/2/20	Fri 3/13/20
38	★	Phase A Testing & Install	34 days	Mon 3/16/20	Thu 4/30/20
39	★	Factory Acceptance Testing	5 days	Mon 3/16/20	Fri 3/20/20
40	★	Programming Cleanup	10 days	Mon 3/23/20	Fri 4/3/20
41	★	Construction Admin	20 days	Fri 4/3/20	Thu 4/30/20
42	★	Phase A Commissioning	14 days	Mon 4/13/20	Thu 4/30/20
43	★	Phase A Complete	0 days	Thu 4/30/20	Thu 4/30/20

**EXHIBIT D**

**Fee Schedule**

**Attached Behind This Page**

City of Round Rock  
 Brushy Creek East Expansion to 30 MGD Construction  
 Plant Control System Replacement  
 Project No. 1

Level 2 (Phase) No. and Description Level 3 (Task) No. and Description	Project Dates		Principal (hrs)	Sr. Prnc'l (hrs)	Sr. IC Engr (hrs)	Elec Engr (hrs)	Programmer (hrs)	Chemical (hrs)	QC (hrs)	Total Labor Hours	Total Labor Fee (\$)	Percent of Total Fee			
	Start Date	End Date													
<b>Plant Control System Replacement</b>			10	32	34	384	0	0	0	0	0	0	477	\$ 135,615	100.0%
<b>A Finalize Design</b>			2	16	10	70	0	0	0	0	0	0	98	\$ 27,650	20.4%
1 Plans and Specifications			0	0	10	70	0	0	0	0	0	0	80	\$ 23,200	17.1%
2 Permit and Documents			2	16	0	0	0	0	0	0	0	0	18	\$ 4,450	3.3%
3			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
4			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
5			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
<b>B Bid Phase Services</b>			0	16	0	64	0	0	0	0	0	0	68	\$ 17,720	13.0%
1 Pre-Bid Meeting			0	0	0	64	0	0	0	0	0	0	64	\$ 4,540	3.1%
2 Responses to Questions/Abbreviations			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
3 Bid Opening/Recommendation			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
4			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
5			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
<b>C Construction Phase Services</b>			0	0	24	240	0	0	0	0	0	0	264	\$ 76,680	56.4%
1 Submittal Review			0	0	0	60	0	0	0	0	0	0	60	\$ 25,520	18.8%
2 RFI Responses			0	0	0	40	0	0	0	0	0	0	40	\$ 13,920	10.2%
3 Construction Meetings			0	0	0	77	0	0	0	0	0	0	77	\$ 23,200	17.1%
4 Pre-FAT			0	0	0	48	0	0	0	0	0	0	48	\$ 13,920	10.2%
5			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
6			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
7			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
8			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
9			0	0	0	0	0	0	0	0	0	0	0	\$ 0	0.0%
<b>PH ADMINISTRATIVE/TQC TASKS</b>			9	0	0	30	0	0	0	0	0	9	47	\$ 13,888	10.2%
1 Quality Control			4	0	0	0	0	0	0	0	0	9	13	\$ 3,985	2.9%
2 Project Management			4	0	0	30	0	0	0	0	0	0	34	\$ 9,800	7.3%
<b>TOTAL LABOR</b>			10	32	34	384	0	0	0	0	0	9	477	\$ 138,816	100.0%
Total Labor Hours															
Total Labor Amount															
Labor Rates per Hour			\$ 3,005	\$ 324	\$ 280	\$ 280	\$ 160	\$ 110	\$ 110	\$ 110	\$ 90	\$ 3,005			
Total Amounts by Labor Category			\$ 3,005	\$ 7,680	\$ 9,680	\$ 111,340	\$ 1,170	\$ 0.0%	\$ 2,748	\$ 0.0%	\$ 0.0%	\$ 2,748			
Labor Category Percent of Total Labor			2.2%	6.7%	7.3%	82.0%	0.8%	0.0%	2.0%	0.0%	0.0%	2.0%			
<b>TOTAL EXPENSES (See Instructions Below)</b>														\$ 138,816	100.0%
Total Subconsultants														\$ -	-
Total Reimbursables														\$ -	-
Total Expenses														\$ 135,615	
<b>GRAND TOTAL - Plant Control System Replacement</b>														\$ 135,615	

**SUBCONSULTANT EXPENSES**

Code	Description	Budget (\$)	Fee (\$)	Markup
CA	Architect Consultant	\$ -	\$ 115	-
CC	Civil Engr Consultant	\$ -	\$ 115	-
CE	Electrical Consultant	\$ -	\$ 115	-
CG	Geotechnical Consultant	\$ -	\$ 115	-
CM	Mechanical Consultant	\$ -	\$ 115	-
CO	Other Consultant	\$ -	\$ 115	-
CS	Structural Consultant	\$ -	\$ 115	-
CY	Surveying Consultant	\$ -	\$ 115	-
C1		\$ -	\$ 115	-
C2		\$ -	\$ 115	-
C3		\$ -	\$ 115	-
C4		\$ -	\$ 115	-
C5		\$ -	\$ 115	-
C6		\$ -	\$ 115	-
<b>TOTAL SUBCONSULTANT EXPENSES</b>		\$ -	\$ -	-

**REIMBURSABLE EXPENSES**

Code	Description	Budget (\$)	Fee (\$)	Markup
FA	Laboratory Analysis	\$ -	\$ 115	-
RC	Computer	\$ -	\$ 115	-
RH	Historical	\$ -	\$ 115	-
RI	In-House Reproduction	\$ -	\$ 115	-
RL	Long Distance Telephone	\$ -	\$ 115	-
RM	Employee Message	\$ -	\$ 115	-
RO	Other Expense	\$ -	\$ 115	-
RP	Purchased Services	\$ -	\$ 115	-
RR	Reproduction	\$ -	\$ 115	-
RS	Shipping, Delivery, Postage	\$ -	\$ 115	-
RT	Travel, Meals, Lodging	\$ -	\$ 115	-
RJ	Telecommunications	\$ -	\$ 1,000	-
R1		\$ -	\$ 115	-
R2		\$ -	\$ 115	-
<b>TOTAL REIMBURSABLE EXPENSES</b>		\$ -	\$ -	-

City of Round Rock  
 Brushy Creek East Expansion to 30 MGD Construction  
 Plant Control System HMI/PLC Configuration  
 Project No. 2

Level 2 (Phase) No. and Description Level 3 (Task) No. and Description	Project Dates		Principal (hrs)	Sr. Proj Mgr (hrs)	Sr. IC Engr (hrs)	Sr. Elec Engr (hrs)	Elec Engr (hrs)	Programmer (hrs)	Critical (hrs)	QC (hrs)	Total Labor		Percent of Total Fee
	Start Date	End Date									Hours	Fee (\$)	
<b>Plant Control System HMI/PLC Configuration</b>			40	0	628	515	0	3,864	100	96	5,182	\$ 833,140	100.0%
<b>A HMI/PLC Standards</b>			0	0	440	130	0	600	40	0	1,110	\$ 228,800	27.3%
1 Development HMI Standard Graphics			180		100		80	80			180	\$ 36,000	4.6%
2 Development PLC Function Blocks			180		100		80	80			180	\$ 36,000	4.6%
3 HMI/PLC Database Configuration			120		60		40	40			120	\$ 24,000	2.9%
4 PLC Data Mapping			100		40		40	40			100	\$ 22,200	2.6%
5 Report Configuration			120		40		80	80			120	\$ 21,200	2.5%
6 Configuration of User Security			20		20		80	80			100	\$ 15,400	1.8%
7 Control Documentation			80		80	110	80	80	40		310	\$ 66,200	8.1%
8			0		0		0	0			0	\$ -	0.0%
9			0		0		0	0			0	\$ -	0.0%
<b>B Phase A HMI/PLC Configuration</b>			0	0	48	148	0	1,182	0	0	1,388	\$ 189,880	23.8%
1 PLC Programming			20		20	20	400	400			440	\$ 59,600	7.1%
2 HMI Configuration			20		20	20	600	600			640	\$ 83,800	10.0%
3 Factory Acceptance Testing			40		40	40	40	40			80	\$ 16,400	2.0%
4 Site Acceptance Testing			0		0	0	120	120			180	\$ 31,800	3.8%
5 Training			0		0	0	32	32			48	\$ 8,480	1.0%
<b>C Phase B HMI/PLC Configuration</b>			0	0	48	148	0	2,112	0	0	2,308	\$ 318,280	37.6%
1 PLC Programming			20		20	20	600	600			640	\$ 83,800	12.6%
2 HMI Configuration			20		20	20	1,000	1,000			1,040	\$ 131,600	15.7%
3 Factory Acceptance Testing			40		40	40	80	80			120	\$ 21,200	2.5%
4 Site Acceptance Testing			0		0	0	200	200			280	\$ 41,400	4.9%
5 Training			0		0	0	32	32			48	\$ 8,480	1.0%
<b>PH ADMINISTRATIVE TASKS</b>			40	0	96	96	0	0	60	96	378	\$ 88,080	11.8%
1 Quality Control			20		20	20	0	0	60	96	116	\$ 35,360	4.2%
2 Project Management			20		76	76	0	0	0	0	200	\$ 63,700	7.6%
<b>TOTAL LABOR</b>			40	0	628	515	0	3,804	100	96	6,182	\$ 838,140	100.0%
Total Labor Hours			40	0	628	515	0	3,804	100	96	6,182		
Total Labor Amount			\$ 820	\$ 320	\$ 280	\$ 280	\$ 140	\$ 120	\$ 80	\$ 50	\$ 820		
Labor Rates per Hour			\$ 20.50	\$ 52.00	\$ 54.40	\$ 54.40	\$ 17.8%	\$ 31.54	\$ 8.00	\$ 5.20	\$ 13.28		
Total Amounts by Labor Category			\$ 12,200	\$ 181,540	\$ 148,640	\$ 148,640	\$ 0.0%	\$ 484,480	\$ 8,000	\$ 28,280	\$ 828,140		
Labor Category Percent of Total Labor			1.8%	0.0%	21.7%	17.8%	0.0%	94.9%	1.1%	3.9%	100.0%		
<b>TOTAL EXPENSES (Lump Sum/Bottom Bottom)</b>													
Total Subconsultants												\$ -	
Total Reimbursables												\$ 31,628	
Total Expenses												\$ 859,768	
<b>GRAND TOTAL - Plant Control System HMI/PLC Configuration</b>													

SUBCONSULTANT EXPENSES		Budget (\$)	Fee (\$)
CA Architect Consultant		\$ -	\$ 115
CC Civil Engr Consultant		\$ -	\$ 115
CE Electrical Consultant		\$ -	\$ 115
CD Geotechnical Consultant		\$ -	\$ 115
CM Mechanical Consultant		\$ -	\$ 115
CO Other Consultant		\$ -	\$ 115
CS Structural Consultant		\$ -	\$ 115
C7 Surveying Consultant		\$ -	\$ 115
C1		\$ -	\$ 115
C2		\$ -	\$ 115
C3		\$ -	\$ 115
C4		\$ -	\$ 115
C5		\$ -	\$ 115
C6		\$ -	\$ 115
<b>TOTAL SUBCONSULTANT EXPENSES</b>		\$ -	\$ 3,165

REIMBURSABLE EXPENSES		Budget (\$)	Fee (\$)
RA Laboratory Analysis		\$ -	\$ 115
RC Computer		\$ -	\$ 115
RH Historical		\$ -	\$ 115
RI In-House Reproduction		\$ 4,000	\$ 115
RL Long Distance Telephone		\$ -	\$ 115
RM Employee Meals		\$ 6,500	\$ 115
RO Other Expenses		\$ -	\$ 115
RP Purchased Services		\$ -	\$ 115
RR Reproduction		\$ 4,000	\$ 115
RS Shipping Delivery Postage		\$ 1,000	\$ 115
RT Travel Meals Lodging		\$ 12,000	\$ 115
RU Telecommunications		\$ -	\$ 115
RZ		\$ -	\$ 115
<b>TOTAL REIMBURSABLE EXPENSES</b>		\$ 27,000	\$ 3,165

**EXHIBIT E**

**Certificates of Insurance**

**Attached Behind This Page**



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/11/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> McLaughlin Brunson A Risk Strategies Company 12801 N CENTRAL EXPY, STE 1710 Dallas, TX 75243	<b>CONTACT NAME:</b> Joe Bryant <b>PHONE (A/C, No, Ext):</b> (214) 503-1212 <b>E-MAIL ADDRESS:</b> certificate@mclaughlinbrunson.com	<b>FAX (A/C, No):</b> (214) 503-8899
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> Plummer Associates, Inc. 1320 South University Drive Ste. 300 Fort Worth TX 76107	<b>INSURER A :</b> XL Specialty Insurance Company      NAIC # 37885	
	<b>INSURER B :</b> Valley Forge Insurance Company      20508	
	<b>INSURER C :</b> Continental Casualty Company      20443	
	<b>INSURER D :</b> Sentinel Insurance Company Ltd      11000	
	<b>INSURER E :</b>	
	<b>INSURER F :</b>	

**COVERAGES**      **CERTIFICATE NUMBER:** 51760640      **REVISION NUMBER:**

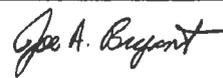
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> XCU Coverage <input checked="" type="checkbox"/> Contractual Liability GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6024858522	6/15/2019	6/15/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Valuable Papers \$ 100,000
B	<input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6024858522 No Owned Autos	6/15/2019	6/15/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6024858536	6/15/2019	6/15/2020	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
D	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input type="checkbox"/> N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	84WBGAC6U63	1/1/2019	1/1/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E L EACH ACCIDENT \$ 1,000,000 E L DISEASE - EA EMPLOYEE \$ 1,000,000 E L DISEASE - POLICY LIMIT \$ 1,000,000
A	<b>Professional Liability</b> <b>Pollution Liability</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DPR9941677	5/9/2019	5/9/2020	Per Claim \$2,000,000 Annual Aggregate \$3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The claims made professional liability coverage is the total aggregate limit for all claims presented within the annual policy period and is subject to a deductible. Thirty (30) day notice of cancellation in favor of certificate holder on all policies.

RE: Plummer # 2019-313-00 RE: BCE PLC Early Replacement and PLC Program

<b>CERTIFICATE HOLDER</b>  City of Round Rock 221 E. Main Street Round Rock TX 78664	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE  Joe Bryant 

ACORD 25 (2016/03)

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