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May 2, 2017

Mr. Emery E. Gallagher, Water/Wastewater Utility Director
City of Seguin
P.O. Box 591
Seguin, Texas 78156-0591

**RE: Geronimo Creek WWTP
2017 Improvement Project
Engineering Services Proposal**

Dear Mr. Gallagher:

At the request of the City of Seguin, this letter represents TRC's engineering services proposal for the above-referenced project. The project will consist of four (4) new fixed rotor aerators in the oxidation ditch, belt conveyor for headworks screenings, VFD's for return activated sludge pumps and chlorine basins improvements. Services include engineering design, construction documents, and bidding/construction administration, as discussed herein. All proposed improvements will be designed for use in future plant expansions. The cost to provide the services, based on the attached project description and preliminary scope of work, is as follows:

Design and Construction Services:	\$186,483
Topographical Surveying:	\$2,633
Environmental/Cultural:	\$2,962
<u>Total:</u>	<u>\$192,078</u>

The services will be provided under the Master Services Agreement executed by the City and TRC. The costs assume that this project will be bid and constructed with the proposed Walnut Branch WWTP Improvement project.

The opportunity to provide this proposal is greatly appreciated. If you have any questions regarding this information, please feel free to contact this office.

Sincerely,

H. Craig Bell, P.E.
Austin Office CES Practice Leader

5/2/17

Date

City of Seguin

Date

CITY OF SEGUIN
GERONIMO CREEK WWTP
2017 IMPROVEMENT PROJECT
ENGINEERING SERVICES PROPOSAL
PRELIMINARY SCOPE OF WORK
(05/02/17)

PROJECT DESCRIPTION:

1. Oxidation Ditch Aerators
 - a. Replace the four (4) existing brush-type aerators with four (4) new fixed rotor aerators (Aeration Industries style) and new controls. It is assumed that the new aerators can be attached to and supported by the existing steel bridge I-beams with no required major modifications to the beams.
2. Headworks
 - a. Provide horizontal belt conveyor and vertical discharge chute to receive bar screen screenings and deposit them into an at-grade bin.
3. RAS Pumps
 - a. Add variable frequency drives (VFD's) to the two (2) existing 30 HP pumps.
4. Chlorine Contact Basins
 - a. Replace internal baffles.
 - b. Replace isolation gates in chlorine feed box.

ENGINEERING SCOPE OF WORK:

1. Acquire field topographical data needed for the project design.
2. Provide environmental services (See attached scope).
3. Provide submittal package to TCEQ for project notification.
4. Prepare construction plans/specifications for the proposed project, including all details. These documents will be included with the 2017 Walnut Branch Improvement project documents.
5. Assist the City in bidding process including preparation of advertisement document, pre-bid meeting, assist the City in the opening and tabulation of bids, prepare award recommendation letter and prepare construction contract documents.
6. Assist the City during construction consisting of pre-construction meeting, contractor correspondence, submittal review, pay request review, periodic site visits (maximum of six), final inspection, preparation of contractor punch list and record drawing preparation (3 sets of hard copies and one CD electronic copy).

EXCLUSIONS:

The following items are specifically excluded from the scope of work:

- Geotechnical borings and report.
- Construction staking.
- Continuous construction inspection.
- Detailed title search or title policy, attendance at or preparation for condemnation hearings, easement or Plat documents, or landowner contact or easement negotiations.
- Environmental services not listed herein, including but not limited to archaeological surveys (if applicable), endangered species mitigation plans/costs (if applicable), species-specific threatened and endangered survey and clean Water Act Section 404 individual permit.
- Preparation of TCEQ permit amendment application. An amendment is not anticipated.

ENVIRONMENTAL SCOPE OF WORK:

TRC Environmental Corporation (TRC) proposes this Scope of Work (SOW) for the following task:

TASK 1: Cultural Resource Services

TRC will perform a desktop review to identify existing conditions and identify documented cultural resources within the area of potential effect (APE) that could potentially be impacted by the proposed project. These data will be summarized in a letter of consultation and submitted to the THC for review.

TRC will perform an archeological site file search using the THC Archeological Sites Atlas (THC Atlas) to compile current information on recorded cultural resources that are situated within a 1-mile radius of the APE. Other documents, including historic aerial photographs, USGS topographic maps, Sanborn maps, Texas General Land Office (GLO) documents, Historic Texas Overlay Database maps, and cemetery records may also be reviewed. The results of this site file search will be compiled in a letter of consultation for submission to THC. THC will review the letter of consultation and provide a response within 30 days of submission.

If THC concludes that the proposed undertaking could impact existing archeological sites or areas of high archeological potential, then they will require further investigation by a professional archeologist in the form of an archeological survey in compliance with the guidelines set forth in the Antiquities Code of Texas (Section 191.0525) and Texas Health and Safety Code (Title 1, Section 711). If appropriate, compliance with the guidelines of Section 106 of the National Historic Preservation Act (36 CFR § 800) will also be followed.

If after consultation THC determines that an archeological survey of the proposed project area is required, then TRC will prepare a separate SOW and cost estimate for this service and submit to the City for approval.

ASSUMPTIONS:

TRC proposes to complete the services identified with the following assumptions, which if found to be incorrect, may result in a request for additional funds from TRC:

- This project will be bid and constructed with the proposed Walnut Branch 2017 WWTP Improvements.
- This SOW does not include Section 404 CWA permitting or detailed ESA compliance documentation for a NWP submittal package such as a Biological Assessment because we anticipate no impacts to Waters of the U.S. or federally protected species will occur. Should additional documentation be required, TRC will prepare a separate SOW and cost estimate for additional services and submit to the City for approval.
- The cultural services identified in this SOW are based on project details provided by project engineers. If the proposed project is modified from that described above, then TRC will prepare a separate SOW and cost estimate for submittal to the City for approval.
- All necessary reports, documents, maps, drawings, etc. necessary for completion of the cultural services described in this SOW will be provided by the City and/or project engineers.
- This SOW covers a prescribed level of effort through the archeological site file search and THC consultation. If after consultation THC requires additional work in the form of an archeological survey, reconnaissance, and/or monitoring, then TRC will prepare a separate SOW and cost estimate for additional services and submit to the City for approval.
- This SOW assumes that no more than five (5) culturally significant properties (historic sites, National Register properties, historic markers, etc.) are located within one (1) mile of the APE. If the archeological site file search reveals more than five properties, then TRC will prepare a separate SOW and cost estimate for additional services and submit to the City for approval.
- Should the schedule be changed or put on “hold” by the City, all costs incurred by TRC up to notification of change of schedule or “hold” status will be billed to the City. Additional fees that TRC may incur as a result of the change of schedule or “hold” status will be billed to the City once the project has resumed in addition to the cost of services included in this SOW.