



T.B.P.E. #F-8632

505 East Huntland Drive
Suite 250
Austin, TX 78752

512.454.8716 PHONE

512.454.2433 FAX

www.TRCsolutions.com

October 14, 2016

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

**RE: Walnut Branch WWTP
Effluent Flow Meter Structure
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, which will consist of the design of a new effluent flow meter structure, construction plans and specifications, sized for future plant buildout. The project will be bid and constructed as part of the water plant filter rehabilitation project. The cost to provide the engineering services, based on the attached preliminary scope of work, is as follows:

Design Services:	\$48,686
Topographical Surveying:	\$3,673
Environmental/Cultural:	\$7,409
Geotechnical:	\$3,410
Total:	\$63,178

The services will be provided under the Master Services Agreement executed by the City and TRC.

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

Date

City of Seguin

Date

CITY OF SEGUIN
WALNUT BRANCH WWTP
EFFLUENT FLOW METER STRUCTURE
ENGINEERING SERVICES PROPOSAL
PRELIMINARY SCOPE OF WORK
(10/14/16)

ENGINEERING SCOPE OF WORK:

1. Acquire field topographical data needed for the project design.
2. Acquire one (1) geotechnical bore and prepare report.
3. Provide environmental services (See attached scope).
4. Provide submittal package to TCEQ for project notification.
5. Prepare construction plans/specifications for the proposed project, including all details.
6. Assist the City in bidding process including preparation of advertisement document, assist the City in the opening and tabulation of bids, prepare award recommendation letter and prepare construction contract documents.
7. Assist the City during construction consisting of pre-construction meeting, contractor correspondence, submittal review, pay request review, periodic site visits (maximum of three), 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:

- Construction staking.
- Continuous construction inspection.
- Detailed title search or title policy.
- Attendance at or preparation for condemnation hearings.
- Easement or Plat documents, landowner contact or easement negotiations (other than listed above).
- Archaeological surveys (if applicable).
- Endangered species mitigation plans/costs (if applicable).
- Species-specific threatened and endangered survey.
- Clean Water Act Section 404 individual permit.

ENVIRONMENTAL SCOPE OF WORK:

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

Task 1. Natural Resources Services

Task 2. Cultural Resources Services

Task 1: Natural Resources Services

Subtask 1.1: Delineation of Waters of the U.S.

TRC will perform a background review of existing and available data, including U.S. Geological Survey (USGS) topographic maps, U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) maps, U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) Soil Surveys, Federal Emergency Management Agency (FEMA) floodplain maps, aerial photography, as well as other available planning maps and reports.

Following the background data review, TRC biologists will conduct a field survey to determine the location and extent of any potential Waters of the U.S., including wetlands, within the Project Area. TRC will conduct the field investigation for the delineation of Waters of the U.S. (WOTUS) in conjunction with the threatened and endangered (T&E) species habitat assessment (Subtask 1.2) within one week of Notice to Proceed (NTP). TRC's findings will be provided as a Technical Memorandum and will be submitted to CES within two weeks of the completion of the field survey.

Subtask 1.2: Habitat Assessment for Threatened and Endangered Species

In accordance with USACE Section 404 permitting requirements, the Endangered Species Act of 1973, and State of Texas regulations, TRC will perform a background review of existing and available data to determine the potential for protected species to occur within the Project Area. The background data review will include a search for the current listing of federal and state-listed rare, threatened, and endangered species for Guadalupe County; federally-designated Critical Habitat; the TPWD's Texas Natural Diversity Database (TXNDD); as well as other available data to assess the potential for protected species to occur within the Project Area.

Following the background data review, TRC biologists will conduct a survey, concurrent with the Waters of the U.S. delineation, for T&E species habitat, vegetation communities, and other sensitive natural resources that may be present within or adjacent to the Project Area. TRC will identify predominant vegetation communities and address their ability to provide habitat to support T&E species. TRC's findings will be included in a Technical Memorandum, as mentioned in Subtask 1.1.

Task 2. 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. This data will be summarized in a letter of consultation and submitted to the THC for review.

THC Consultation

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 Project Area is required, then TRC will prepare a separate SOW and cost estimate for this service and submit to the City for approval.

TRC will initiate the desktop review of cultural resources within 7 days of NTP, and submit the THC consultation letter within 14 days of NTP. The THC will review the letter of consultation and provide a response within 30 days of submission.

ASSUMPTIONS:

TRC proposes to complete the services identified in this SOW with the following assumptions:

- It is our understanding that the objective and scope of the project will allow for the preparation of a PCN for a USACE Nationwide Permit for the WWTP flow meter. If for any reason the project does not meet the criteria for Nationwide Permit, the preparation of an Individual Permit (IP) may be necessary to ensure compliance with USACE regulations. Should an IP be required, a separate SOW and cost estimate will be prepared and submitted to the City.
- This SOW does not include 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.
- No CWA Section 401 compliance is associated with this SOW as it is assumed to be addressed under a separate application process through the Texas Commission on Environmental Quality (TCEQ).
- 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 ten (10) 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 ten properties, then TRC will prepare a separate SOW and cost estimate for additional services and submit to the City for approval.