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November 8, 2019

Mr. Tim Howe, Director of Water/Wastewater
City of Seguin
P.O. Box 591
Seguin, Texas 78156-0591

**RE: Water Treatment Plant
Sludge Pipe Replacement
Engineering Services Proposal**

Dear Mr. Howe:

At the request of the City of Seguin, this letter represents TRC's engineering services proposal for the design, preparation of construction documents and bidding/construction administration for the above-referenced project. The project consists of approximately 4,000 linear feet of 6" PVC sludge force main pipe to replace the existing pipe, extending from the Water Treatment Plant sludge pump station to the connection to an existing sludge pipe in the southeast corner of the Walnut Branch WWTP site. The pipe route will be through the Park and generally follow the existing sludge pipe route.

The cost to provide the engineering services, based on the attached preliminary scope of work, is as follows:

Environmental/Cultural Resources:	\$5,765.00
Topographic Survey:	\$3,680.00
Engineering Services:	<u>\$68,960.00</u>
Total:	\$78,405.00 (lump sum)

The opportunity to provide this proposal is greatly appreciated. The services will be provided under the Master Services Agreement executed by the City and TRC (dated December 16, 2003). If you have any questions regarding this information, please feel free to contact this office.

Sincerely,

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

City of Seguin

Date

Date

**CITY OF SEGUIN
WATER TREATMENT PLANT
SLUDGE PIPE REPLACEMENT**

**ENGINEERING SERVICES PROPOSAL
PRELIMINARY SCOPE OF WORK
(11/08/2019)**

ENGINEERING SCOPE OF WORK

1. Provide environmental/cultural services (see below scope).
2. Provide topographical surveying for design only.
3. Prepare construction plans/specifications for the proposed project, including all details, for standard City of Seguin bid package. Provide design submittals to the City for review for 60% and 100% completion milestones.
4. Provide submittal package to TXDOT for utility work inside TxDOT ROW for Hwy 123 Business and submittal package to TCEQ for project notification.
5. 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.
6. 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). Record drawings will be based on the information furnished by the contractor, reflecting changes in the project made during construction.

ENVIRONMENTAL SCOPE OF WORK

Task 1: Natural Resources Services

Delineation of Waters of the U.S.

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 within 7 day of Notice to Proceed (NTP). TRC's findings will be provided as a Waters of the U.S. Report.

Habitat Assessment for Threatened and Endangered Species

In accordance with 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

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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's findings will be included in a T&E Habitat Assessment Report.

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

An archeological file search and review of sources will be performed using the Texas Historical Commission (THC) Historic and Archeological Sites Atlas (THC Atlas) to ensure compliance under the Antiquities Code of Texas. TRC archaeologists will compile current information on previously recorded cultural resources within the Area of Potential Effects (APE) and within a 1-mile radius of the APE. Other documents including historic aerial photographs and topographic maps, Sanborn maps, and cemetery records may be reviewed. The results of the search will be compiled in a letter report sent to the THC for review.

ASSUMPTIONS

As the basis for the preparation for this proposal and the associated cost of services, the following assumptions were made which, if found to be incorrect may result in request(s) for additional compensation:

- The entire project will consist of a single bid/construction project.
- TRC's effort and costs for construction services are based on a four (4) month construction project duration.

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WATER TREATMENT PLANT
SLUDGE PIPE REPLACEMENT**

**ENGINEERING SERVICES PROPOSAL
PRELIMINARY SCOPE OF WORK
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EXCLUSIONS

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

- Modifications to WTP sludge pumps.
- Electrical or structural design.
- Construction staking.
- Continuous construction inspection.
- Detailed title search or title policy, attendance at or preparation for condemnation hearings, plat documents, landowner contact or easement negotiations.
- Environmental or cultural review of project limits (other than listed above).
- Phase I Environmental Site Assessment, biological monitoring, Archaeological surveys (if applicable), endangered species mitigation plans/costs (if applicable), species-specific threatened and endangered survey, migratory bird nesting survey or Clean Water Act Section 404 individual permit.
- Preparation of USACE Pre-construction Notification (PCN).
- Quality assurance testing for construction.
- GIS mapping.
- Post construction survey.
- Services required to rebid the project for any reason.