

Attachment A

Scope of Work for Water & Sewer Line Replacement Project

The project is generally described as replacement of existing water and sanitary sewer lines along Meadow Lane, Eagle Pass Street, Brook lane, Oak Lane and a portion of Texas Avenue. Exhibits 1 & 2 define the project area for water and sanitary sewer respectively. Based on our correspondence, we understand the scope of work to be as follows.

- 3000 LF of 8" SDR 26 PVC Sanitary Sewer & Related Manholes
- 3200 LF of 6" C-900 PVC Waterline & Related Valves
- Service Transfers
- System Interconnects
- Pavement repairs
- Cased Creek Crossing

Topographic & Right of Way Survey

- Tie to City of Bryan horizontal and vertical control system
- Locate existing utilities as marked by their respective owners
- Obtain surface elevations of area between the edge of pavement and the existing apparent Right of Ways. Density of elevations will be sufficient for the development of 1' contour intervals through the project area.
- Determine the Right of Ways of streets in the project area.

Engineering Design

- Prepare construction documents for construction of the aforementioned water and sanitary sewer lines, including plan and profile. Drawings will be prepared at 1" = 20'.
- Prepare project details, technical specifications, and contract book
- Coordinate and prepare TxDOT utility permit for waterline construction within Texas Avenue ROW.
- Generate cost estimates for the schematic, preliminary, and final designs

Bid Phase Services

- Assist with pre-bid meeting
- Answer prospective bidders' questions
- Assist with addenda if required
- Attend bid opening

Construction Phase Services (75 working day contract period)

- Assist with pre-construction meeting
- Review submittals
- Perform daily inspection with field reports and photos
- Perform periodic, critical point inspections with field report and photos by design engineer
- Review monthly pay estimates submitted by contractor
- Coordinate with lab on applicable testing
- Assist with construction close out
- Prepare record drawings of “as-builts” provided by contractor on mylar sheets and .pdf file

Deliverables include Constructions Plans (.pdf), Contract/Technical Specifications Book (.pdf), Engineer’s Construction Cost Estimate, and Record Drawings (mylar sheets and .pdf).

We propose to provide the above described services for a lump sum fee of \$80,750. The following is a breakdown of the fee:

Topographic/Design Surveying.....	\$ 12,200.00
Boundary/ROW Surveying.....	\$ 7,500.00
Civil Engineering.....	\$ 41,000.00
Bid Phase.....	\$ 3,000.00
Construction Phase	
• Weekly site visits by Engineer.....	\$ 5,800.00
• Daily inspections by GLS.....	\$ 11,250.00
TOTAL.....	\$ 80,750.00

John Rusk, PE
Regional Manager



Attachment A - Exhibit I



NEW SANITARY SEWER

NEW SANITARY SEWER

Attachment A - Exhibit II

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30°38'30.26" N 96°20'54.28" W elev 301 ft eye alt 1754 ft

Google earth