

BRITTAIN & CRAWFORD, LLC
 LAND SURVEYING & TOPOGRAPHIC MAPPING

Celebrating 45 years of providing quality professional land surveys

March 28, 2022

Tarrant County Facilities Management
 1895 Courthouse
 100 W. Weatherford St., Rm. 350
 Fort Worth, Texas 76196
 (817) 212-7061
LScarborough@tarrantcounty.com

Attention: Ms. Lorin V. Scarborough AIA
 Construction Services – Sr. Project Manager

Tarrant County Vendor No.: 7002247
 Re: **LAMAR STREET VACATION**
BLOCK 57 & 58, ORIGINAL TOWN
OF FORT WORTH
 Fort Worth, Texas

Dear Ms. Scarborough,

Pursuant to your request and our review of the project site, we hereby submit our proposal to provide survey services. Our understanding of the desired scope of services is as follows:

Item No. 1

Survey and prepare a topographic survey map for Lamar Street right-of-way between W. Belknap Street and W. Weatherford Street. The topographic survey will indicate all surface features, spot elevations, one-foot contours, right-of-way, driveways, sidewalks, curbs, trees 6 inches in caliper and larger and visible surface utilities and underground utilities located by Cobb Fendley. The survey will be prepared in electronic (AutoCAD) format based upon the Texas Coordinate System NAD83 and NAVD88 vertical datum.

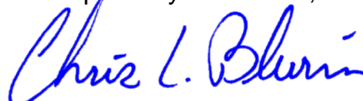
Item No. 2

Services to be provided by Cobb Fendley per their included Proposal dated March 8, 2022.

The foregoing **Item No. 1** will be accomplished for a nontaxable lump sum fee of **\$3,750.00**, and **Item No. 2** will be accomplished for an estimated fee of **\$7,000.00**.

We sincerely appreciate being considered for this project and look forward to working with you.

Respectfully Submitted,


 Chris L. Blevins, R.P.L.S.

Firm Certification #10019000

Complaints or Questions should be addressed to the Texas Board of Professional Land Surveying: 12100 Park 35 Circle, Building A, Suite 156, MC-230 Austin, Texas 78753, (512) 239-5267, Natalie.Jackson@txls.texas.gov

Approved: _____

Date: _____

March 8, 2022

Chris L. Blevins, R.P.L.S.
Brittain & Crawford, LLC
3908 South Freeway
Fort Worth, TX 76110

**Re: Subsurface Utility Engineering for
Proposed Elevator at the Tim Curry Criminal Justice Center (TCCJC) Project
Fort Worth, TX**

Dear Mr. Blevins:

CobbFendley is pleased to submit this proposal for Subsurface Utility Engineering (SUE) services on the above-referenced project in Fort Worth, Texas. This proposal is based on information provided via emails on February 16th and March 7th, 2022.

Introduction

CobbFendley (CF) will perform the SUE work required for this project in general accordance with the recommended practices and procedures described in ASCE Publication CI/ASCE 38-02 (Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data). As described in the mentioned ASCE publication, four levels have been established to describe the quality of utility location and attribute information used on plans. The four quality levels are as follows:

- Quality Level D (QL “D”) – Information derived from existing records.
- Quality Level C (QL “C”) – QL “D” information supplemented with information obtained by surveying visible above-ground utility features (i.e. valves, hydrants, meters, manhole covers, etc.).
- Quality Level B (QL “B”) – Two-dimensional (x, y) information obtained through the application and interpretation of non-destructive surface geophysical methods. Also known as “designating” this quality level provides the horizontal position of subsurface utilities within approximately one foot.
- Quality Level A (QL “A”) – Also known as “locating”, this quality level provides precise three-dimensional (x, y, z) information at critical locations by exposing specific utilities. Non-destructive vacuum excavation equipment is used to expose the utilities at specific points which are then tied down by survey.

It is the responsibility of the SUE provider to perform due-diligence with regards to records research (QL “D”) and acquisition of available utility records. The due-diligence provided for this project will consist of contacting applicable “one call” agencies, visually inspecting the work area for evidence of utilities, and reviewing the available utility record information. Utilities not identified through these efforts will be referred to as “unknown” utilities. CF personnel will scan the defined work area using electronic prospecting equipment to search for “unknown” utilities. CF is not responsible for designating and locating “unknown” utilities that were not detected while scanning the work area.

Scope of SUE Services

Based on information provided by the Brittain & Crawford, LLC (B&C) and Tarrant County (TC), CF has developed a preliminary scope for the SUE work required for this project. The scope of work may be

modified, with B&C's concurrence, during the performance of the SUE fieldwork, if warranted by actual field findings.

The location of the project within Lamar Street, between Belknap Street and Weatherford Street, in Fort Worth, TX. For this project, CF will provide QL "D", QL "B" and QL "A" SUE, as previously defined. The QL "D" SUE will first consist of submitting a Texas811 design ticket to identify an initial list of utilities near and within the work area. CF will request records from the applicable utilities and review any available utility record information.

The QL "B" SUE will be performed in an attempt to identify any utilities within the work area shown on the attached exhibits along Lamar Street, and within the inset area where the new tower elevator addition is planned. It is assumed that CF cannot designate non-toneable utilities under pavement that cannot be rodded.

If specific utility depths are needed, QL "A" SUE test holes will be performed to expose the line and determine the top of pipe depth. We have assumed up to three (3) test holes within the work area, and that the pavement and/or sidewalk can be cored prior to performing the test holes.

To minimize unsightly paint marks in the paved work areas at the Tarrant County Sheriff's Dept Jail and Tim Curry Criminal Justice Center entrances, CF will mark utilities using marking chalk.

Survey for collection of SUE field data will be performed by Others.

Inclusions

- Coordination with utility owner's inspectors, as may be required by law or utility owner policy.
- OneCall tickets will be submitted prior to vacuum excavation activities.
- City permit for CF scope of work (if required).

Clarifications and Exclusions

- B&C will provide any design and as-built record documentation received to CF for use in the review of available utility record information.

Designating Procedures

Prior to beginning field designating activities, CF's field manager will review the project scope of work and available utility records. Once these initial reviews are complete, the field manager and technicians will begin designating the approximate horizontal position of known subsurface utilities within the specified project limits. A suite of geophysical equipment (electromagnetic induction, magnetic) will be used to designate metallic/conductive utilities (e.g. steel pipe, electrical cable, telephone cable). Non-metallic/non-conductive utilities will be designated using other proven methods, such as rodding, and probing. Where access is available, a sonde will be inserted into the utility line (e.g. PVC gravity sewer pipe) to provide a medium for signal transmission, which can then be designated using geophysical equipment. In instances where access is not available, (e.g. pressurized PVC water line), CF personnel will attempt to designate the utility by probing.

Accurate collection and recording of designated utilities is a critical component of the SUE process. CF

utilizes a proven method of collecting and recording survey information once the utilities have been designated in the field. CF's field manager will produce detailed sketches depicting each utility as well as relevant surface features such as roadways, buildings, manholes, fire hydrants, utility pedestals, valves, meters, etc. Each utility will be labeled with a unique ID code. For example, if two buried electric cables exist on the project, one will be labeled E1 and the other E2. Paint and pin flags will be used to designate the utilities in the field. A labeled pin flag or paint mark will be used to mark each location where a survey shot is required. Shot points will typically be placed at 100-foot intervals on utilities running parallel to the alignment and at 50-foot intervals on utility crossings. The locations will be numbered sequentially for each individual utility line. For example, if there are 50 shots required on buried electric line E1, the points will be numbered E1-1 through E1-50.

Preliminary field sketches depicting the designated utilities will be prepared for use during subsequent surveying activities. These sketches will also be used to check the survey information for completeness and accuracy.

Locating Procedures

CF will utilize its utility designating marks and specific information provided by QT to lay out the test hole locations. CF will attempt to place the test holes outside of paved areas wherever possible. However, some test holes may need to be placed in paved areas that may require traffic control measures to be implemented. CF will establish routine/ordinary traffic control (cones and free-standing signage, etc.) whenever required as part of our standard pricing. If non-routine traffic control measures are required (barricades, flag person, changeable message board, etc.), these services will be considered extra and invoiced at cost. You will be notified if such circumstances arise, and QT approval will be necessary before commencement.

CF will utilize non-destructive vacuum excavation equipment to excavate the test hole at the required locations. Once the utilities are located, CF will record the type, size, material, depth to top and general running direction. The test hole will be assigned a unique ID number and will be marked with rebar/cap, nail/disk, or chiseled X, as appropriate. Test-hole excavations will be backfilled with appropriate material and the original surface will be restored. The backfill will be compacted in lifts by mechanical means to minimize settlement.

Deliverables

Survey for collection of SUE field data will be performed by Others (B&C). B&C will provide the processed survey data of both the SUE and topographic survey to CF for use in creating the QL "B" deliverable. As a QL "B" SUE deliverable, CF will produce an electronic SUE file (in .DWG format) depicting the type and horizontal location of the designated utilities.

The QL "A" SUE deliverable will consist of an updated SUE CAD file showing the locations of the test holes. CF will also prepare a summary sheet of test hole information showing the utility size, depth, material, direction and type of surface marker used to identify the test hole location.

Schedule of Work

CF can commence work within two (2) weeks of receiving the notice to proceed (NTP). The QL "B" SUE field work can be completed within one (1) workday. The QL "A" SUE field work can be completed within one (1) workday.

Estimated Fees

QL "D" SUE (Records Research) & Permit	\$900/LS	(LS)	\$ 900.00
QL "B" SUE (Designating)	\$2,500/Day	(1 Day)	\$ 2,500.00
QL "A" SUE (Locating)	\$3,600/Day	(1 Day)	<u>\$ 3,600.00</u>
			\$ 7,000.00

CF will invoice for QL "B" and QL "A" SUE based on the actual number of days worked in the field, with a minimum half-day charge. If non-routine traffic control measures are required (barricades, flag person, changeable message board, etc.), these services will be considered extra and invoiced at cost.

The estimated cost to complete work described herein is **Seven Thousand and 0/100 Dollars (\$7,00.00).**

We look forward to working with you on this project. If you have any questions or require additional information, please contact me at 214-998-4279.

Sincerely,

Cobb, Fendley & Associates, Inc.



Thomas Hunt, P.E.

NTX Subsurface Utility Engineering (SUE) Department Manager

EXHIBIT "B"

BELKNAP STREET
(80' PUBLIC RIGHT-OF-WAY)

N 59°35'50"E
60.06'

BUILDING
CORNER

SUE Work Area

**RIGHT-OF-WAY
ABANDONMENT
0.276 ACRE
(12,010 SQ. FT.)**

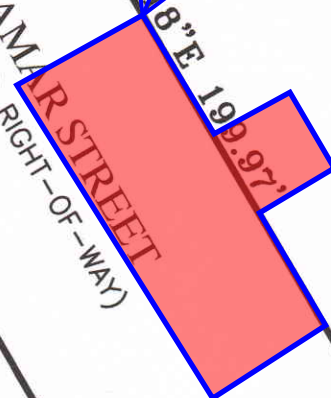
BLOCK 57
ORIGINAL TOWN OF FORT WORTH

TARRANT COUNTY
VOL. 9188, PG. 1296
D.R.T.C.T.

POINT OF BEGINNING
"X" IN CONCRETE FOUND

N. LAMAR STREET
(60' PUBLIC RIGHT-OF-WAY)

N 30°27'22"W 200.00'



BLOCK 58
ORIGINAL TOWN OF FORT WORTH

TARRANT COUNTY
VOL. 9100, PG. 767
D.R.T.C.T.

BUILDING
CORNER

"X" IN
CONCRETE
FOUND

S 59°33'53"W
60.05'

WEATHERFORD STREET
(80' PUBLIC RIGHT-OF-WAY)



FEBRUARY 2, 2022



CITY OF FORT WORTH
TARRANT COUNTY, TEXAS



BRITTAIN & CRAWFORD
LAND SURVEYING &
TOPOGRAPHIC MAPPING

TEL (817) 926-0211
FAX (817) 926-9347
P.O. BOX 11374 • 3908 SOUTH FREEWAY
FORT WORTH, TEXAS 76110
EMAIL: admin@brittain-crawford.com
WEBSITE: www.brittain-crawford.com

FIRM CERTIFICATION# 1019000
©2013 Brittain & Crawford, LLC
All Rights Reserved

**RIGHT-OF-WAY
ABANDONMENT
OF**

**0.276 ACRE OF LAND
LOCATED IN
ORIGINAL TOWN OF FORT WORTH
CITY OF FORT WORTH, TARRANT
COUNTY, TEXAS**



SCALE 1"=40'

SUE Work Area

SUE Work Area

