



WIER & ASSOCIATES, INC.

ENGINEERS
SURVEYORS
LAND PLANNERS

January 23, 2014

Mr. Allen Harts, P.E.
Senior Civil Engineer
City of Euless
201 N. Ector Drive
Euless, TX 76039

PRINCIPALS
JOHN P. WIER, P.E., R.P.L.S.
ULYS LANE III, P.E., R.P.L.S., CFM
CARLO SILVESTRI, P.E.
RONALD RAMIREZ, P.E.
GREGG MADSEN, R.P.L.S.

SENIOR ASSOCIATES
PHILIP L. GRAHAM, P.E.
JAKE H. FEARS, P.E., LEED AP

ASSOCIATES
TOBY W. RODGERS
JOHN L. HENDERSON
CASEY D. YORK

RE: W&A 13119 Contract Agreement for Design of Waterline Replacement in El Camino Real, Euless, TX - Revised

Dear Mr. Harts:

Wier & Associates, Inc. (herein referred to as ENGINEER and/or SURVEYOR) proposes to provide certain field and office professional services to the City of Euless (herein called CLIENT). CLIENT intends to undertake rehabilitation of public water supply main in El Camino Real Street from Pipeline Blvd to the Hurst city limits (Exhibit "A").

At this time ENGINEER/SURVEYOR proposes to provide certain BASIC SERVICES described herein, but can later perform OPTIONAL SERVICES for additional fees if CLIENT so authorizes.

BASIC SERVICES

ENGINEER/SURVEYOR will perform the following Basic Services:

(B-1) Design of 10" Waterline in El Camino Real

Utilizing topographic information surveyed on the ground by ENGINEER under separate contract in November 2013, we will provide design of construction drawings that illustrate the location of a new 10" waterline to serve those that are currently being served by 2 waterlines that are in need of replacement. We propose to provide plan sheets at 1"= 40' scale, appropriate details provided by the CLIENT, and any special details as may required by the design. ENGINEER will also provide pavement repair details for the trenching that will take place for the crossings along the street. In addition, details for repair of sidewalks and ramps will be prepared.

ENGINEER will prepare Traffic Control Plan sheets based on TxDOT standards, modified to address the specific requirements of this project.

ENGINEER will provide vertical and horizontal control based on City monumentation for the construction layout of the improvements and control of the appurtenances so the same can be accurately depicted on the City's GIS systems.

(B-2) Erosion Control Plans

We will prepare erosion control plans conforming to Texas Commission on Environmental Quality (TCEQ) Permit Regulations for storm water discharges from construction sites. We will provide the required details, notes and specifications to comply with the General Permit Regulations. We will provide the necessary information to the CLIENT's contractor for use in submitting Notice of Intent to EPA and for preparation of a SWPPP booklet as required by EPA.

(B-3) Opinion of Probable Construction Cost

Prepare an Engineer's Opinion of Probable Construction cost, prior to advertising for construction bids, based on final project construction plans.

(B-4) Preparation of Bid Documents, and Construction Administration

Prepare Contract Documents and Bid proposal suitable for distribution to prospective Bidders. This will include.

Provide services normally associated with notifying prospective bidders, conducting bid opening, analyzing and summarizing bids received, and preparing a bid tabulation form. Assist CLIENT in selecting and awarding construction contract to successful bidder. Perform general construction administration, and review of Contractor's interim monthly and final pay estimates.

(B-5) Construction Phase Services

The following Construction Phase services will be provided by ENGINEER/SURVEYOR. It is understood that CLIENT will present plans sets of the Approved Construction drawings to contractors for bidding the project.

- a) Attend one pre-construction meeting at the City of Euless;
- b) ENGINEER/SURVEYOR will make up to 4 periodic construction review/observation visits to the site during construction of the civil improvements designed by ENGINEER/SURVEYOR. These services would consist of periodic visits to the site during construction to review the general status of construction in-progress related to the civil improvements designed by ENGINEER/SURVEYOR, or at specific times

- when and if requested in advance by CLIENT, or General Contractor;
- c) Review of results of testing of materials during construction of civil site work only, if provided by the Contractor or testing lab;
 - d) Review of shop drawings (if any) pertinent to the civil improvements designed by ENGINEER/SURVEYOR;
 - e) Attend one "punch list" walk through of site.

Any additional construction phase services, including survey layout, observation of work, construction meetings, or any other services performed or requested will be considered Optional Services.

(B-6) Boundary Determination and Easement Preparation

ENGINEER/SURVEYOR will perform field and office work necessary to determine the location of the Right of Way and easements along El Camino Real. In conjunction with designs, we will prepare needed construction easements, utility easements, or letters of permission to facilitate the construction of the project.

(B-7) Coordination with Franchise Utilities

ENGINEER will provide plans of the designs and coordinate with the franchise utility companies that have facilities in the area to minimize impact to the construction schedule and to allow these companies to relocate their facilities as needed. ENGINEER will document relocations for purposes of Record Drawings

(B-8) Record Drawings

After construction of the improvements, and utilizing information provided by the Contractors and other information obtained by either survey or coordination, ENGINEER will prepare a set of Record Drawings. ENGINEER will also provide coordinates of main valves and other major appurtenances for use by CLIENT in their GIS systems.

(B-9) Design Surveys

Field and office work survey existing conditions in the field to:

Survey

Topo approximately 3,300 linear feet of El Camino Real from the South side of Pipeline Rd to the South side of Rickel Park Drive, 50 foot grid from ROW to ROW plus 10 feet on either side locating all visible improvements, call a Dig-Tess Request, tie water valves (and top of nut), water meters, sanitary sewer cleanouts, manholes, etc., Tie all other above ground and underground utilities and markings with measure downs on all manholes, inlets, etc., Minimal boundary to estimate right-of-way, Tie trees within limits of ROW plus 10 feet either side, Set 3 benchmarks along street, run level loop, overall

RTK calibration.

Research

Collect record drawings from the City of Euless

Review and correlate data from records with field survey data

Retrieve plats and other property information to correlate boundary our crews find on the ground

We will prepare a base file in Civil 3D for use in design.

CLIENT RESPONSIBILITIES

1. Within 10 calendar days following the date of SURVEYOR'S authorization to proceed, CLIENT shall provide needed data at fire hydrants along El Camino Real and surrounding areas for use by ENGINEER in water model analysis.

FEE FOR SERVICES

ENGINEER/SURVEYOR will provide the Basic Services for a total fee derived according to the following elements.

- (B-1) Design Services - \$44,000 Lump sum – design services according to ASCE Fee Curve A, for construction cost of \$537,268. Cost opinion is attached
- (B-2) Erosion Control Plans – included
- (B-3) Opinion of Probable Construction Cost – included
- (B-4) Preparation of Bid Docs and Construction Admin – included
- (B-5) Construction Phase Services – included
- (B-6) Boundary Determination and Easements - \$5,000 estimated. Hourly reimbursable @ \$800/easement
- (B-7) Coordination with Franchise Utilities – included
- (B-8) Record Drawings – Included
- (B-9) Design Surveys

Reimbursable and direct expenses are allocated at a fee of \$3500.

Therefore, the total fee for the Basic Services (B-1) through (B-8) and Direct Costs are **\$47,500**. Basic Service (B-9) Design Surveys, was previously authorized work for a fee of \$16,095. **Total Fees are therefore \$63,595, plus possible easements as described in (B-6)**. Other fees or optional services that may be encountered are to be billed as described below.

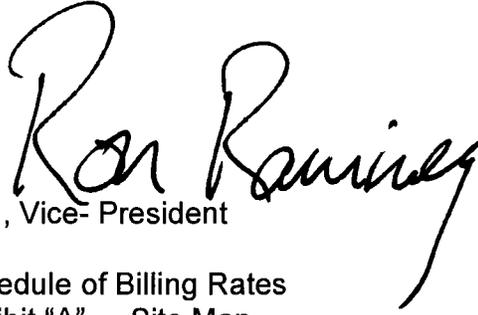
OPTIONAL SERVICES (if any are requested) will be provided on an hourly reimbursable method of compensation and invoiced on the basis of the specific staff

hours charged for the positions engaged to complete the project/task. Billing Rates for staff positions are shown in the attached "Schedule of Current Hourly Billing Rates".

All services will be billed monthly or less frequently at ENGINEER/SURVEYOR'S option.

We look forward to working with you on this project. Please call if you have any questions or need additional information.

Yours very truly,

A handwritten signature in black ink that reads "Ron Ramirez". The signature is written in a cursive, flowing style with a long, sweeping tail on the letter "y".

Ron Ramirez, P.E., Vice- President

Attachments: Schedule of Billing Rates
Exhibit "A" - Site Map

SCHEDULE OF CURRENT HOURLY BILLING RATES

Hourly reimbursable services will be provided on the basis of the specific staff positions engaged to complete the project/task and such staff positions will be invoiced at the firm's current rates.

Billing rates for individual staff members or for survey crews may be adjusted twice annually (at April 1 and/or October 1) if ENGINEER/SURVEYOR adjusts salary pay rates of employees.

Current billing rates are listed below.

Office staff	Billing Rate Per Hour
Principal PE or RPLS	\$187.00
Senior Project Manager PE or RPLS	\$154.00
Project Manager or Team Leader	\$144.00
Senior Reg. Professional PE or RPLS	\$133.00
Registered Professional PE or RPLS	\$116.00
Graduate Engineer/Surveyor-in-Training (EIT/SIT)	\$103.00
Senior CADD Technician	\$97.00
CADD Technician	\$87.00
Junior CADD Technician	\$73.00
Admin/Support	\$60.00
Field Survey Crew staff	
Party Chief	\$107.00
Instrument Man	\$ 57.00

Based on billing rates for individual crew members as shown above, the billing rates for survey crews will be as follows:

One-man Field Survey Crew	\$107.00
Two-man Field Survey Crew	\$164.00
Three-man Field Survey Crew	\$221.00
Three-man Field Survey Crew	\$192.00

Note: Texas legislation provides for state sales tax to be applied to certain engineering and surveying services, as reimbursable expenses. Where applicable, sales tax will be added in addition to the above rates unless client is a tax exempt entity or holds a direct payment permit.

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PIPELINE ROAD

SOTOGRANDE

PROP. 6" WATER

PROP. 10" WATER

EL CAMINO REAL

PROP. 4" WATER

WOODVINE DRIVE

EULESS HURST
EULESS HURST

RICKEL PARK DRIVE

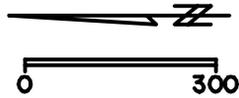


EXHIBIT 'A'
EL CAMINO REAL - 10" WATER LINE
CITY OF EULESS, TEXAS