

October 9, 2023

*Via Email: howard.redfearn@mansfieldtexas.gov*

Mr. Howard Redfearn  
Environmental Manager  
City of Mansfield  
1200 E. Broad Street  
Mansfield, Texas 76063

**Re: Red Oak Drainage Improvements – Contract Amendment #1  
Westra No. MAN23012**

Dear Howard,

Westra Consultants is pleased to submit this Amendment to our original Letter Agreement dated May 23, 2023 to provide additional professional services for flume and paving improvements with the above referenced project. This letter, when countersigned below, shall serve as our agreement and acceptance of this amendment. Our scope of additional services, schedule, and fee are listed below.

### **Scope of Additional Services**

#### **Task A1 – Topographic Survey**

Consultant shall provide a survey to include two (2) street cross sections for feasibility analysis, and a topographic survey of the Bridge Water Ln right-of-way for flume upgrades and paving improvements. The Bridge Water Ln survey will encompass the pavement, culvert crossing, flume, and parkway up to the adjacent property driveway at 1505 Bridge Water Ln. Survey will include horizontal control points and vertical benchmarks, 1-foot contour topographic contours, trees larger than 6" in diameter, ties to adjoining houses, driveways, landscaping, fences, structures, streets, inlets, culverts, headwalls, channels, and visible utilities such as power poles, utility boxes, manholes, valves, fire hydrants, etc. Property lines identified by plat and/or deed sketch data will be incorporated into the survey, as well as property corners for 1505 Bridge Water Ln for potential easements. Client to provide for right-of-entry to all private property. Consultant shall provide benchmarks and the survey shall be in Surface Coordinates, located at Grid based on NAD 83. The limits of topographic survey are identified on **Exhibit A**.

#### **Task C1 – Easements**

The Consultant will provide up to two (2) temporary and/or permanent easement documents to include a metes and bounds description and easement exhibit. The Client will provide the dedication instruments and will file the easements at the County for the project. It is assumed the Client will secure the easements necessary for the project, including all coordination and negotiation with property owners.

#### **Task D1 – Engineering Design**

Engineering services will include the preparation of plans, details, specifications, and cost opinions for the design of flume and paving improvements at the culvert crossing at 1505/1501 Bridge Water Ln. A new flume and pavement valley will be designed to capture flows within Bridge Water Ln and outfall over the culvert headwall. The design will include additional plans sheets for the flume design, paving improvements, fencing improvements (to allow flows to pass through), additional drainage calculations,

details, and general notes. The plans will be prepared along with the Red Oak Drainage Improvements project and shall be bid in one plan set.

Plan submittals will be included at preliminary design (75%) and final design (100%) for Client review. An opinion of probable construction cost will be included with each submittal. Project contract documents and specifications will be prepared and included with the final design submittal.

**Information Provided by Client**

1. Right of entry to all private property

**Fee, Billing and Schedule**

The Consultant will perform the work described in the Scope of Additional Services for a lump sum fee of **\$19,500**. All permitting, application, and similar project fees will be paid directly by the Client. Fees will be invoiced monthly based upon the percentage of services completed as of the invoice date. Payment is due within 30 days of the receipt of the invoice.

A breakdown of the tasks, fees and expected timeframes for completion are provided in the table below. Each task will be authorized by the Client prior to beginning these services.

| <b>Task</b>                             | <b>Fee Budget</b> | <b>Expected Timeframe to Complete</b> |
|---|-------------------|---------------------------------------|
| A1 – Topographic Survey                 | \$3,000           | 15 working days                       |
| C1 – 2 Easements (\$1,350 per easement) | \$2,700           | As requested                          |
| D1 – Engineering                        | \$13,800          | 30 working days                       |
| <b>TOTAL</b>                            | <b>\$19,500</b>   |                                       |



**EXHIBIT A  
SURVEY LOCATIONS**

