



CITY OF STEPHENVILLE, TX
298 W. Washington Street
Stephenville, TX 76401

FNI PROJECT NO. STE19752

DATE: 02/04/2021

Project Name: Harbin Drainage Outfall Design

Description of Services: Please reference the Scope of Services

Amended Deliverables: Please reference the Scope of Services

Amended Schedule: 90% design to be provided within 14 weeks of notice to proceed. Final plans will be provided within 4 weeks of receipt of comments.

Compensation shall be amended as follows: A lump sum amount of One Hundred Fourteen Thousand Four Hundred Dollars (\$114,400) for basic services and a not-to-exceed amount of Twenty Three Thousand Two Hundred Eleven Dollars (\$23,211) for special services reimbursed at actual cost times a multiplier of 1.10.

Current Contract Amount: \$641,557


Amount of this Amendment: \$137,611

Revised Total Amount Authorized: \$779,168

The above described services shall proceed upon execution of this amendment. All other provisions, terms and conditions of the Professional Services Agreement which are not expressly amended shall remain in full force and effect.

FREESE AND NICHOLS, INC.

CITY OF STEPHENVILLE, TX

BY: 
02/04/2021 6:00:58 PM
Scott Hubley
Print Name

BY: _____

Print Name

TITLE: Vice-President

TITLE: _____

DATE: 2/4/21

DATE: _____

AMENDMENT TO SCOPE OF SERVICES AND RESPONSIBILITIES

Additional services are needed to design drainage improvements from the Harbin Drive outfall at Washington Street downstream through the Tarleton State University (TSU) Pecan Orchard and City of Stephenville West End Memorial Cemetery to an outfall downstream of Swan Street. The project is being performed in conjunction with TSU to improve drainage to address the impacts of existing and future development in the watershed. The improvements consist of approximately 500 LF box culvert, 600 LF concrete channel, and 500 LF earthen channel. The improvements also include two drop structures and two culvert crossings (one at the cemetery road and one at Swan Street). The limits of the proposed improvements are shown on the attached exhibit.

BASIC SERVICES: FNI shall render the following professional services in connection with the development of the Project:

- A. Meetings: Coordinate, attend, and document up to three (3) City/stakeholder review meetings and up to two (2) TXDOT coordination meetings.
- B. Overall Concept Layout:
 1. Perform one (1) site visit.
 2. Finalize drainage area map, runoff calculations, prepare preliminary hydraulic calculations for the overall design area.
 3. Adjust previously developed schematic of conceptual design for the overall project area showing existing and conflicting utilities, easement needs, the proposed alignment of the storm drain, and inlet and future lateral locations. Inlet capacity is not expected to achieve full capture of runoff until future laterals are constructed. This concept will be submitted for approval by City and TSU.
- C. Design Phase:
 1. Prepare drawings and specifications of the additional proposed drainage improvements. The design will reflect the concept previously discussed with the City and TSU and finalized with the concept layout. Evaluation of alternatives will not be included.
 2. Prepare drawings and specifications for utility adjustments. The design includes the design of minor adjustments to City utilities. A typical lowering detail will be used for water line crossings. Up to two (2) segments of sewer realignment will be designed. It is expected up to three (3) segments of sewer will cross through the proposed drainage improvements. The pipe replacement for these lines crossing the culvert will be shown.

3. The additional plans shall consist of the following:
 - Drainage Area Map & Calculations
 - Demolition Plan
 - Trunk Pipe & Channel Plan and Profile
 - Lateral and Inlet Profiles
 - Two (2) Culvert Crossing Plan and Profile
 - Grading Plan
 - Two (2) Drop Structure Layouts
 - Water/Wastewater Adjustment Plan and Profiles
 - Details
4. Provide draft (90%) and final (100%) submittals of project improvements to be combined with the Harbin Drive plans. Final submittal will be made after all City and TxDOT comments are available.
5. Prepare a “pricing package” plan set prior to the 90% submittal for the purpose of bidding the project while the design is being finalized. Design will be progressed to the level of detail that bids can be made with the expectation that some details and quantities will change as the design is finalized.
6. After preparation of 90% plans, submit applicable permits to TxDOT for review for the work within Washington Street.
7. Furnish such information necessary to utility companies whose facilities may be affected, or services may be required. The design or coordination of these relocations will not be performed by FNI.
8. It is assumed that the drainage channel is ephemeral or an upland feature which is not subject to regulation under Section 404 of the Clean Waters Act. Further assessment of this is the responsibility of the City if desired.

SPECIAL SERVICES: FNI shall render the following professional services, which are not included in the Basic Services described above, in connection with the development of the Project:

- A. Survey
 1. Perform additional survey services from the existing outfall at Washington Street to the estimated grading limits south of Swan Street. This scope does not include SUE designation. Marked utilities and utility appurtenances will be surveyed.
- B. Easement Exhibits
 1. Survey and prepare up to five easement exhibits sealed by a professional land surveyor. This does not include preparation of the full instrument for the easement agreements or coordination with property owners.

ADDITIONAL SERVICES: Any services performed by FNI that are not explicitly stated in the Basic Services or Special Services shall be considered Additional Services. FNI will notify City when additional services are required and notify City of additional cost associated. The following tasks are specifically identified as Additional Services:

- A. Coordination of franchise utility relocations
- B. Preparation of instruments for easement acquisition other than as described in the scope.
- C. Negotiation or coordination for easement acquisition.
- D. Geotechnical investigations
- E. Environmental permitting assessment



Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144

REV. NO.	DATE	DESIGNED	DRAWN
ST-1447	OCT. 2020	EAS	NBB
		SCALE	FILE
		1"=200'	2021-02-01-Alignment.dwg

CITY OF STEPHENVILLE

HARBIN DR PROJECT LIMITS



1
FIGURE