

MAY 09 2022

Approved

REQUEST FOR AGENDA PLACEMENT FORM

Submission Deadline - Tuesday, 12:00 PM before Court Dates

SUBMITTED BY: Jennifer VanderLaan **TODAY'S DATE:** 05/03/2022

DEPARTMENT: Public Works

SIGNATURE OF DEPARTMENT HEAD: _____

REQUESTED AGENDA DATE: 05/09/2022

SPECIFIC AGENDA WORDING:

Consideration of approval to send FEMA Letter of Map Revision requested by City of Burleson to Half Engineering for review and recommendations.

PERSON(S) TO PRESENT ITEM: Jennifer VanderLaan

SUPPORT MATERIAL: (Must enclose supporting documentation)

TIME: 10 minutes	ACTION ITEM: <u> X </u>
(Anticipated number of minutes needed to discuss item)	WORKSHOP: _____
	CONSENT: _____
	EXECUTIVE: _____

STAFF NOTICE:

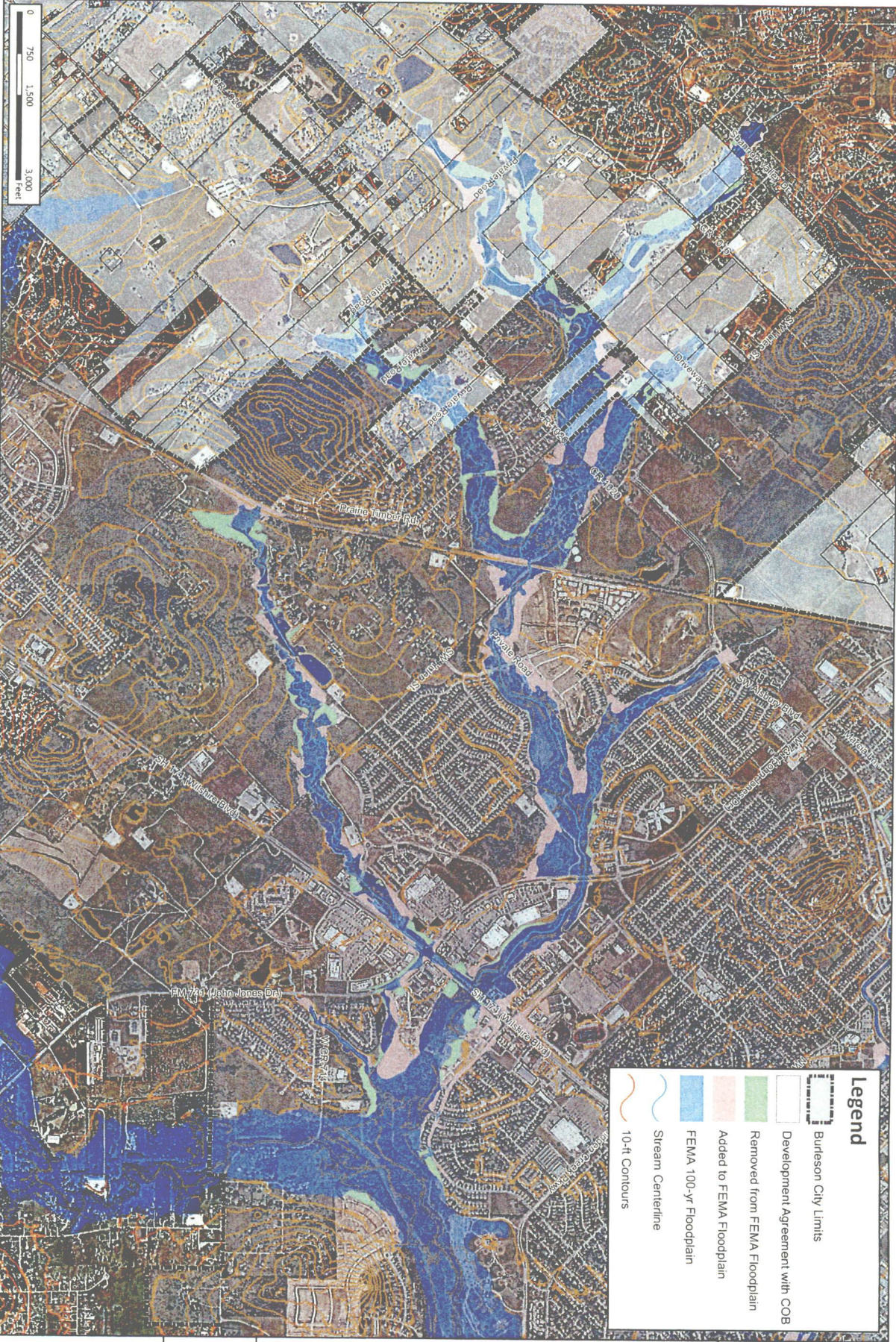
COUNTY ATTORNEY: _____ **IT DEPARTMENT:** _____
AUDITOR: _____ **PURCHASING DEPARTMENT:** _____
PERSONNEL: _____ **PUBLIC WORKS:** X _____
BUDGET COORDINATOR: _____ **OTHER:** _____

*****This Section to be Completed by County Judge's Office*****

ASSIGNED AGENDA DATE: _____

REQUEST RECEIVED BY COUNTY JUDGE'S OFFICE _____

COURT MEMBER APPROVAL _____ Date _____



FREESSE & NICHOLS
 4055 International Plaza, Suite 200
 Fort Worth, TX 76109-4895
 (P) 817-735-7300 (F) 817-735-7491



FEMA Floodplain Changes

Shannon Creek

Legend

- Burleson City Limits
- Development Agreement with COB
- Removed from FEMA Floodplain
- Added to FEMA Floodplain
- FEMA 100-yr Floodplain
- Stream Centerline
- 10-ft Contours

FN JOB NO	BUR18174
FILE	
DATE	4/14/2022
SCALE	1:19,000
DRAFTED	02645

EXHIBIT
C-13

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP
 JOHNSON COUNTY,
 TEXAS
 AND INCORPORATED AREAS

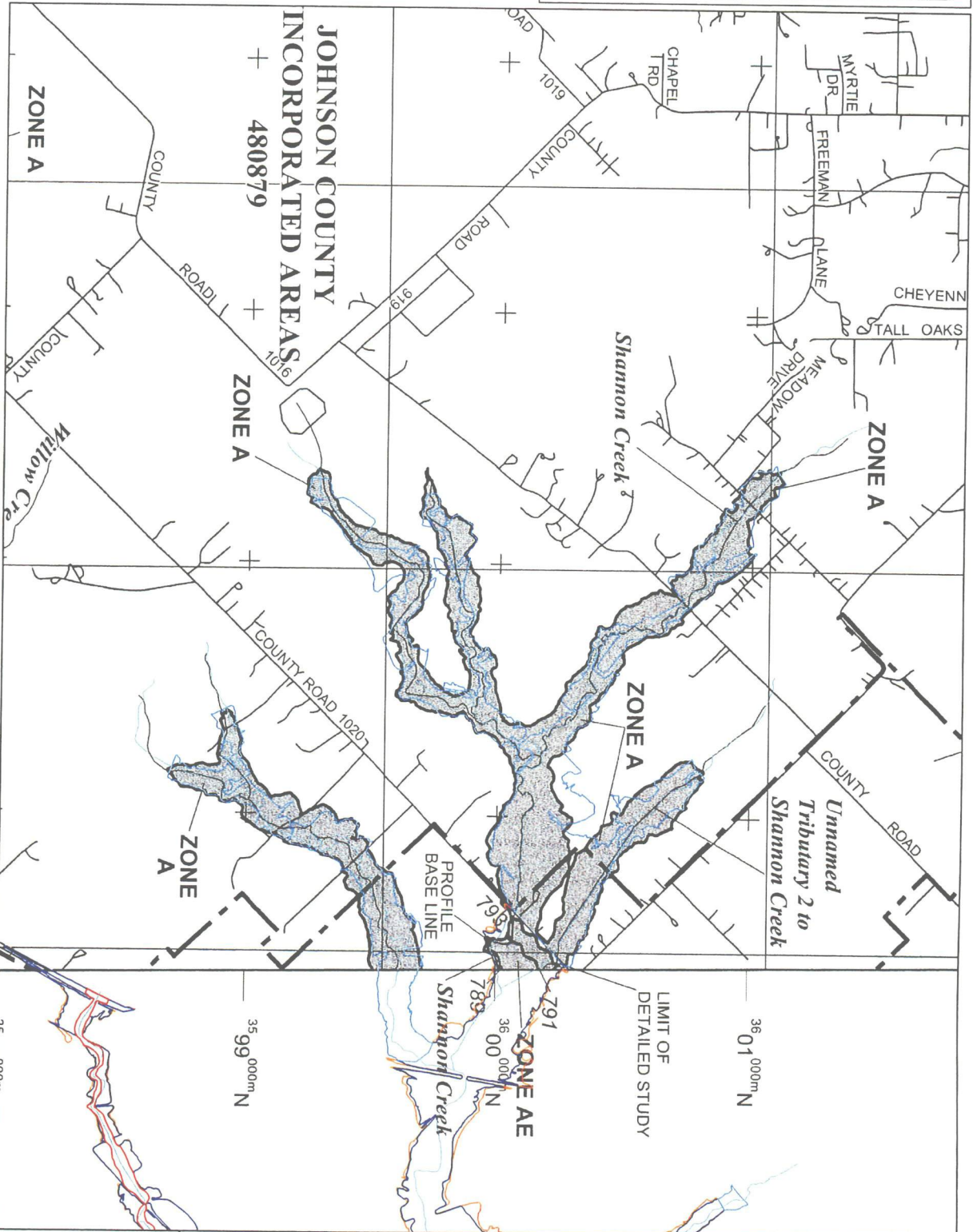
PANEL 80 OF 475
 (SEE MAP INDEX FOR PANEL LOCATION)

CONTRACT NO. 48231C0050J
 MAP NUMBER 48231C0050J
 MAP REVISED DECEMBER 4, 2012
 Federal Emergency Management Agency

Map Users: The Map Number shown below the Community Number identifies the Flood Insurance Rate Map for the community. The Community Number identifies the community for which the map was prepared. The Flood Insurance Rate Map Number identifies the specific map for the community.

Legend

- Centerline
- AE FLOODWAY
- AE
- A
- X, 0.2 PCT



FRESE & NICHOLS

801 Cherry Street, Suite 2800
 Fort Worth, TX 76102
 (P) 817-735-7300 (F) 817-735-7491



Annotated FIRM

PANEL 0050J

FN JOB NO	BUR18174
FILE	48231C0050J
DATE	4/4/2022
SCALE	1:15,000
DRAFTED	02645

EXHIBIT

B-6

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
JOHNSON COUNTY,
TEXAS
AND INCORPORATED AREAS

PANEL 0065J
PAGE 45 OF 475
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

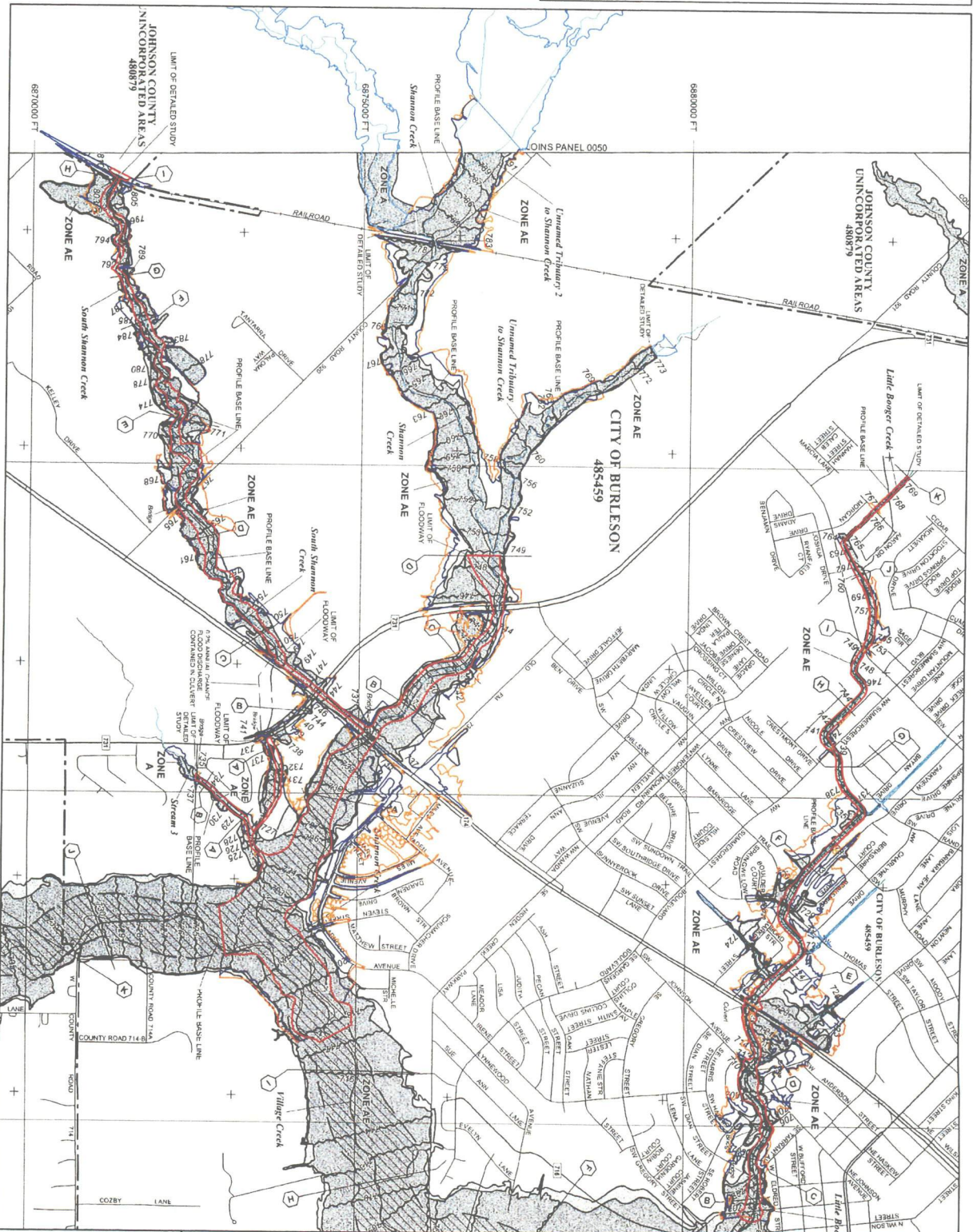
COMMUNITY: JOHNSON COUNTY
FIRM NUMBER: 485459
DATE: DECEMBER 4, 2012

MAP NUMBER: 485459C0065J
MAP REVISED: DECEMBER 4, 2012

Prepared by: Federal Emergency Management Agency

Legend

- Centerline
- AE FLOODWAY
- AE
- A
- X. 0.2 PCT



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Annotated FIRM
PANEL 0065J

FN JOB NO	BUR18174	EXHIBIT B-7
FILE	1:17,500	
DATE	4/4/2022	
SCALE	1:17,500	
DRAFTED	02645	



May 4, 2022
32083.021

Mr. Ralph McBroom, C.P.M.
Johnson County
Purchasing Agent
1102 E. Kilpatrick, Suite B
Cleburne, Texas 76031

RE: Professional Services for Review of The Shannon Creek LOMR Application

Dear Mr. McBroom,

Johnson County has requested Halff Associates, Inc. (Halff) to provide professional engineering services for a review of the FEMA Letter of Map Revision (LOMR) application submittal for Shannon Creek. This proposal includes the Project Description, Scope of Work, Deliverables, and Fees. The following exhibit is attached to the Proposal:

Exhibit A Scope of Work

Project Description

Halff received a LOMR application for Town Creek and Shannon Creek dated April 5, 2022 by Freese & Nicols, Inc. (FNI). The LOMR application is based on a watershed re-study of the subject creeks along with their tributaries. The study includes 17 miles of stream length, of which approximately 4.9 mile is located outside of Burleson city limits and within Johnson County Unincorporated Areas. The portion of the study located within Johnson County Unincorporated Areas includes the upstream extents of the Shannon Creek watershed, including the main stem and 5 tributaries. The westernmost extent of the watershed is located approximately 1.5 miles west of Burleson City Limits. Halff Associates will only review portions of the submittal that affect Johnson County Unincorporated Areas.

Deliverables

Halff will review and provide written comments to the County for consideration based on the Subdivision Rules and Regulations of Johnson County, state and federal regulations, calculations provided by the applicant, and engineering judgement. Halff requests the County provide any additional adopted ordinances or criteria that should be applied to this review.

Fees

Halff proposes to bill the County hourly for effort associated with the review with a total not to exceed fee of \$4,700. If the entire budget is not utilized for this review, it will not be billed. If additional effort is required to complete the review, Halff will communicate with the County for approval before exceeding this agreed amount.

We appreciate the opportunity to be of service to Johnson County. If you have any questions, please do not hesitate to call me at (817) 847-1422.

Sincerely,

HALFF ASSOCIATES, INC.

A handwritten signature in black ink that reads "Scott A. Rushing".

Scott Rushing, P.E., CFM
Water Resources Team Leader

Exhibit 'A'
Proposed Scope of Work
Review of the Shannon Creek LOMR Submittal

A. Review of Other Engineer's Work Products

Half Associates, Inc. shall serve as the ENGINEER to Johnson County who is the COUNTY.

The term "Other Engineer" means any person duly licensed as a professional engineer by the State of Texas and who is not affiliated with ENGINEER as a principal, staff employee or under subcontract involving the "WORK PRODUCT" that is the subject of review. Upon written request by COUNTY and acceptance in writing by ENGINEER, the ENGINEER shall review Drainage Reports and Construction Plans or similar material submitted by "Other Engineers" to COUNTY provided the materials submitted for review bear the "Other Engineer's" seal or suitable verification that such "Other Engineer" accepts full responsibility for the submittal.

B. Time of Performance

1. The review is anticipated to be completed within ten (10) business days of delivery to the ENGINEER and notice to proceed by the COUNTY.
2. If any individual task is expected to require more than ten (10) business days of delivery to the ENGINEER, due to complexity, regulatory requirements, or external review constraints, a mutually agreed upon schedule will be developed by the COUNTY and the ENGINEER.

C. Basic Services

All engineering work shall be reviewed for compliance with current drainage criteria in the Subdivision Rules and Regulations of Johnson County along with compliance with State and Federal regulations.

1. At the request of the COUNTY the ENGINEER will attend up to 2 meetings with the developer or COUNTY. If necessary, up to 1 meeting may be in person at the request of the COUNTY.
2. Discuss with the County, if necessary, any special problems or concerns relative to the proposed development.
3. Determine location of project and collect data on site and downstream conditions through aerial imagery and COUNTY drainage information.
4. Determine if the proposed development is in a FEMA-designated floodplain area.
5. Check to determine if drainage area maps provided in the plans and/or report accurately reflect the correct drainage areas.
6. Check to determine if drainage calculations which support the proposed improvements are provided in the plans and/or report.

7. Review analysis provided by the “Other Engineer” to determine if the proposed development will produce runoff discharges which will impact the downstream system, and recommend if additional off-site improvements (or additional on-site detention) are required to minimize the downstream impacts.
8. Comment on any areas of non-compliance of the plans with the COUNTY’s drainage criteria and Section 404 permitting criteria (impacts to jurisdictional waters, wetlands, or other environmentally sensitive areas).
9. Verify that the latest FEMA-designated floodplain limits, panel number and map number are shown on the drainage area map and plat, or have been modified by FEMA-approved flooding report prepared by the “Other Engineer”.
10. Comment on any potential maintenance or operation problems.
11. Provide value engineering comments, as needed.
12. Determine if the plans include an adequate erosion control plan to meet County, State and Federal requirements.
13. Review and check hydrology and hydraulic studies for open channels (when required by the COUNTY)
14. Submit review comments (via e-mail) and ‘red lined’ plans to the COUNTY, and discuss with the COUNTY and/or the “Other Engineer” the review comments, if necessary. Include any County comments in the letter. All review comments submitted to County staff will be submitted by ENGINEER’s designated point of contact or secondary point of contact.
15. Provide one (1) follow-up review and provide comments as required. After all comments have been resolved, provide final recommendation letter that the drainage issues have been addressed and for the County to release the drainage plans and/or report.

D. Items Not included in this Scope of Services

1. The ENGINEER cannot comment on the professional competence, integrity, honesty, ethics or other personal characteristics of the “Other Engineer”.
2. The ENGINEER cannot comment on the accuracy of all plan dimensions furnished.
3. The ENGINEER cannot comment on the validity of dedications, acknowledgements and certifications included in the plan and/or report submittals.
4. The ENGINEER cannot comment on the completeness, accuracy, precision and interpretation of the topographic field survey data provided by the “Other Engineer”.
5. The ENGINEER cannot confirm that construction of the proposed drainage improvements is performed in accordance with the reviewed report and/or plans.
6. The ENGINEER cannot assure that compliance with specific regulations as planned is feasible and field confirmation it is built as planned.
7. The ENGINEER cannot comment on operational and maintenance problems which are not detectable from the drawings.



- 8. The ENGINEER cannot comment on detailed drainage onto private land if off-site grading and improvements are not shown on the plans.
- 9. The ENGINEER cannot comment on permits or special arrangements for physical features not shown on the topographic plans.

E. Items to be furnished by the "Other Engineer"

The "Other Engineer" will furnish copies of all associated on-site and off-site drainage background information including record plans and studies for review with the initial study.

The "Other Engineer" shall address all comments either by plan revision or by written explanation. Disputed comments will be addressed in writing. Failure to address comments will be cause for additional reviews and possible additional compensation.

AGREED AND ACCEPTED

Scott Rushing, P.E., CFM
Water Resources Team Leader

5/4/2022
Date

Johnson County

5-9-22
Date