

RESOLUTION 21-132

A RESOLUTION TO AUTHORIZE THE MAYOR TO SIGN A PROPOSAL WITH THOMAS AND HUTTON ENGINEERING FOR STORMWATER DRAINAGE STUDIES

WHEREAS, the City of Spring Hill Board of Mayor and Aldermen approved a Professional Services Agreement with Thomas and Hutton Engineering for a variety of professional engineering, design and municipal support services; and

WHEREAS, the City's Stormwater Department is in need of drainage studies for three subdivision in the City limits that currently have severe drainage complications; and

WHEREAS, Thomas and Hutton Engineering has prepared a cost proposal to prepare the drainage studies in the following subdivisions, as shown on Exhibit A attached hereto:

Augusta Trace subdivision - \$15,000.00
Buckner Place subdivision - \$15,000.00
Cameron Farms subdivision - \$15,000.00; and

WHEREAS, staff recommends approval of the proposal for the drainage studies as presented; and

WHEREAS, funding for the construction will be expensed from the Stormwater Department budget (416-42425-254) as budgeted in the FY 2021/2022 budget.

NOW, THEREFORE BE IT RESOLVED, the City of Spring Hill Board of Mayor and Aldermen:

1. Approves the proposal from Thomas and Hutton Engineering to prepare drainage studies for three subdivisions as shown Exhibit A attached hereto.
2. Authorize the Mayor to sign the proposal including with this resolution.

Passed and Adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 16th day of August, 2021.


Jim Hagaman, Mayor

ATTEST:


April Goad, City Recorder

LEGAL FORM APPROVED:


Patrick Carter, City Attorney



REQUEST: *Approval of Resolution 21-132*
SUBMITTED BY: Tyler Scroggins, Public Works Director
DATE: August 16, 2021
RE: To approve a proposal from Thomas and Hutton for engineering services for Stormwater drainage studies and to authorize the Mayor to sign the proposal
ATTACHMENTS: Proposal

PURPOSE:

To approve a proposal for engineering services with Thomas and Hutton to prepare stormwater drainage studies in three subdivisions and authorize the Mayor to execute the proposal.

BACKGROUND:

The City of Spring Hill would like to have drainage studies done to evaluate what improvements are needed in three subdivisions that currently have drainage complications, causing flooding near houses. Thomas and Hutton (as our contracted engineering consultants) has prepared a cost proposal for each, with the detailed area shown in Exhibit A of the resolution:

Augusta Trace subdivision - \$15,000.00
Buckner Place subdivision - \$15,000.00
Cameron Farms subdivision - \$15,000.00

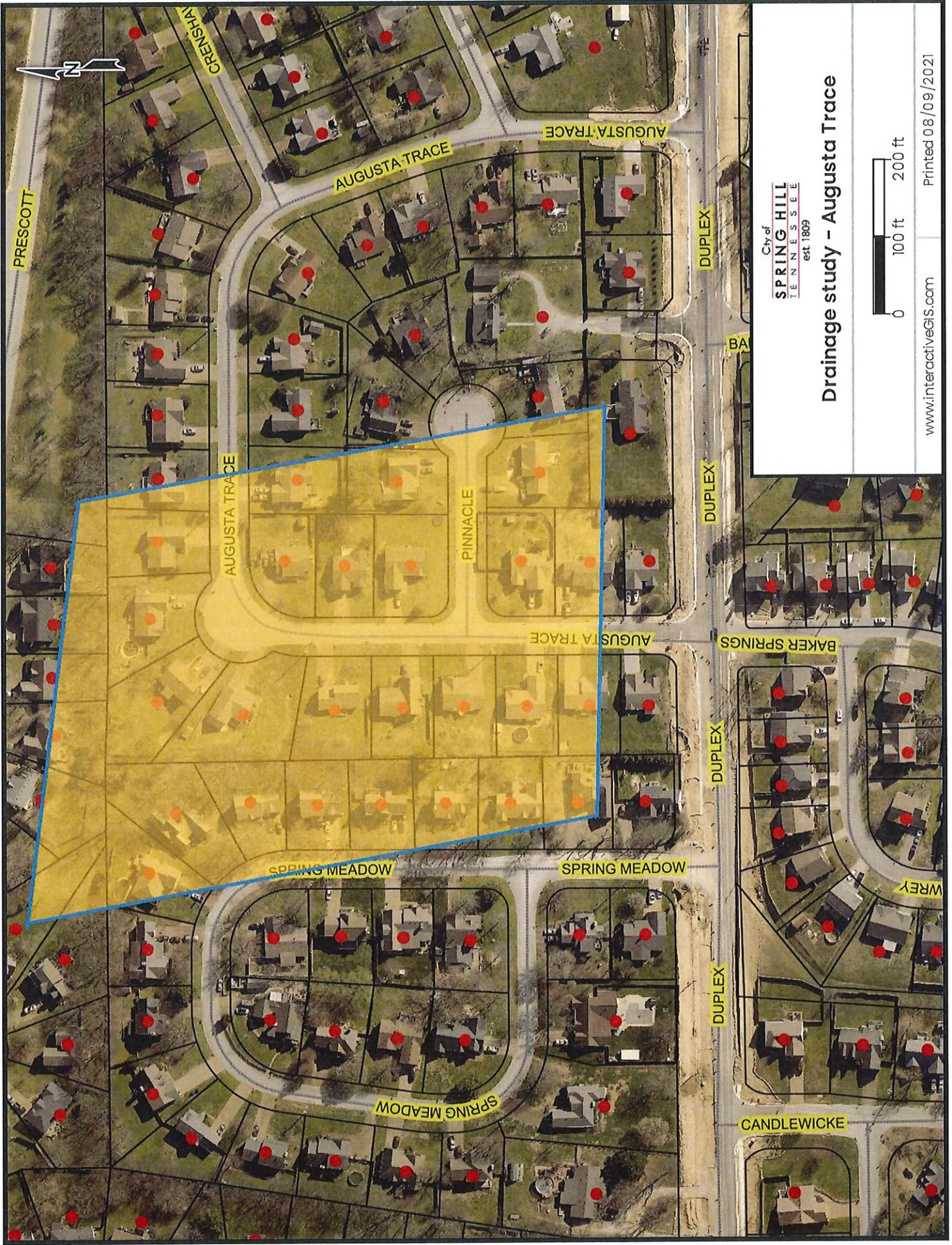
The proposed costs are for the studies only and do not include design or implementation of recommended any improvements.

FINANCIAL IMPACT:

The studies would be funded from FY2021/2022 budgeted funds in the Stormwater fund (416-42425-254).

STAFF RECOMMENDATION:

Staff recommends approval of Resolution 21-132 to approve the proposal with Thomas and Hutton for engineering services for Stormwater drainage studies and to authorize the Mayor to sign the proposal.

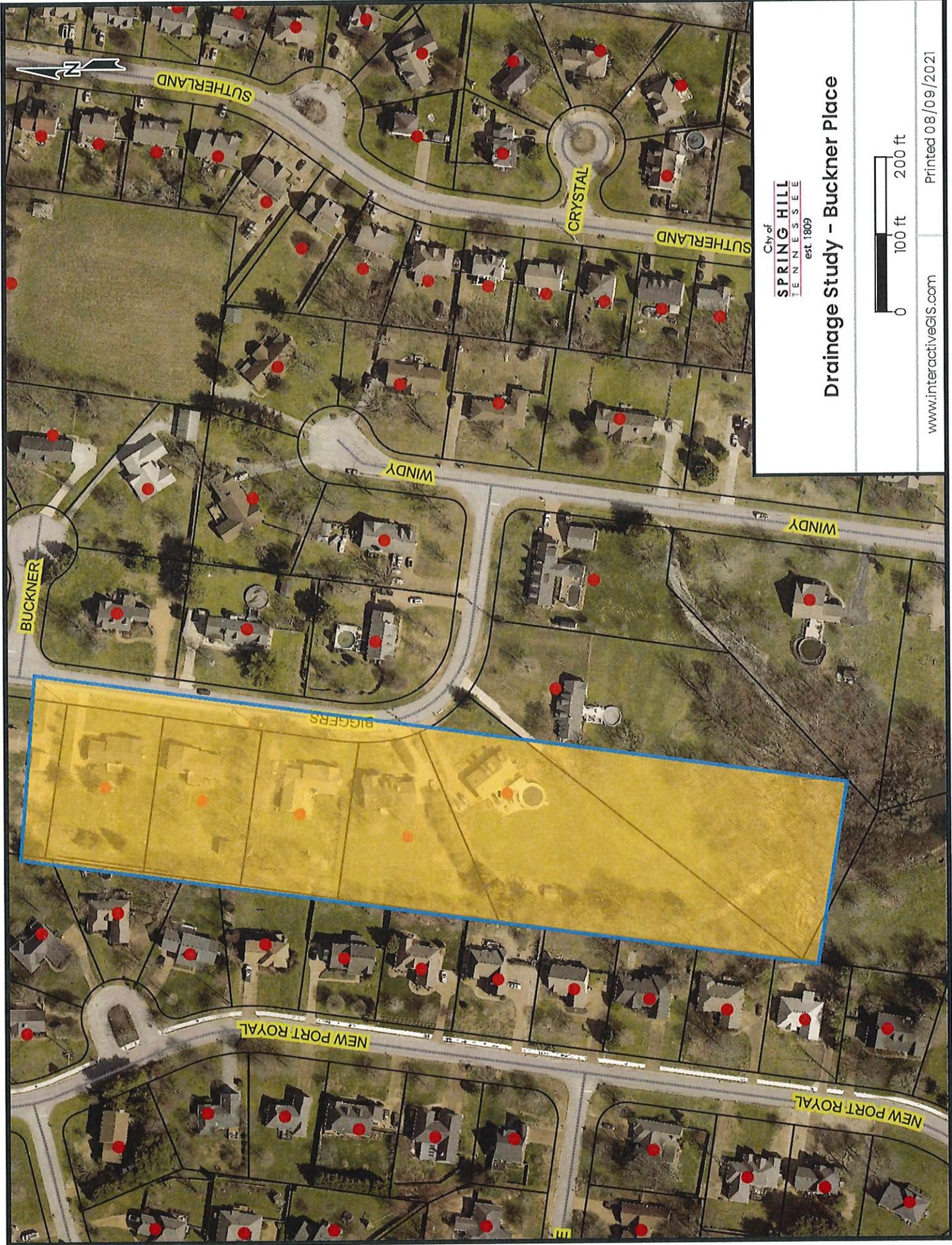


City of
SPRING HILL
TENNESSEE
est. 1809

Drainage study - Augusta Trace

0 100 ft 200 ft

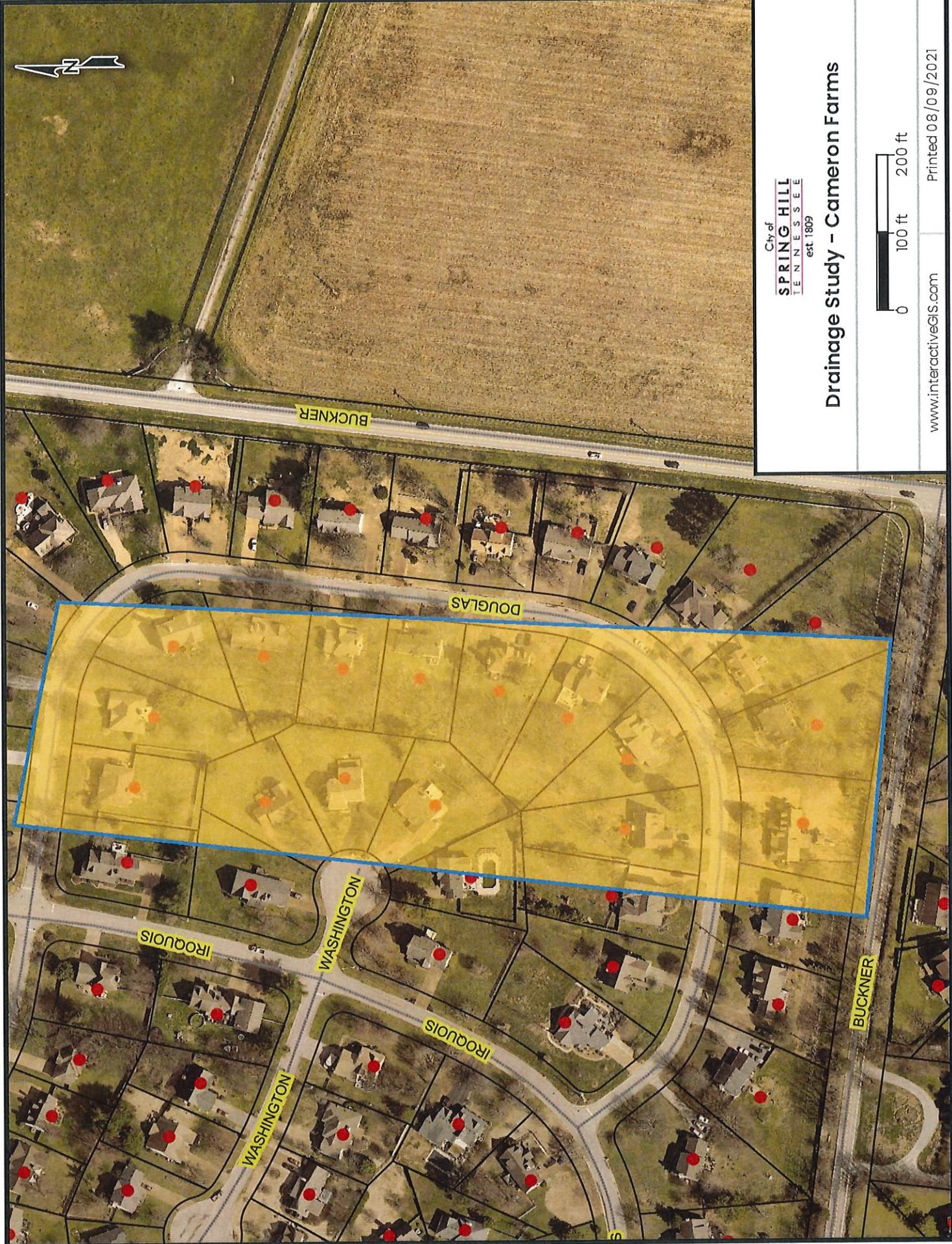
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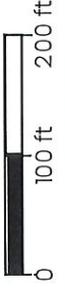
Drainage Study - Buckner Place





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SPRING HILL
TENNESSEE
est. 1809

Drainage Study - Cameron Farms





502 HAZELWOOD DRIVE
SMYRNA, TN 37167 | 615.220.5800
WWW.THOMASANDHUTTON.COM

August 10, 2021

File No. 00007.0300

Ms. Pam Caskie
City Administrator
City of Spring Hill
199 Town Center Parkway
Spring Hill, TN 37174

**RE: PROPOSAL FOR PROFESSIONAL ENGINEERING SERVICES
FOR THREE DRAINAGE STUDIES**

Dear Ms. Caskie:

Thomas and Hutton appreciates the opportunity to develop a proposal to provide engineering services for the above referenced project. This proposal is being developed under our existing professional contract with the City of Spring Hill. Specifically, the City of Spring Hill requests services to study the stormwater drainage at three locations within the city limits. Those projects are identified as the following:

- Augusta Trace Subdivision – The subdivision is experiencing flooding conditions during recent rain events. The flooding has inundated the roadway collection system to the point of encroaching on residences. The objective will be to review the existing stormwater drainage system and identify any components which might be contributing to the flooding conditions and make recommendations of remediation.
- Biggers Drive (Buckner Place Subdivision) – Biggers's Drive was part of the Buckner Place MS4 CIP project which was designed with open ditches to convey the stormwater runoff through the subdivision. Subsequently, perforated storm pipe was placed into the ditch and backfilled to eliminate the ditch. The scope of the project will be to analyze the system as installed and provide recommendations to mitigation of surface runoff not being captured by the inlet basins.
- Cameron Farms (Douglas Lane) – A residence on Douglas Lane has experienced stormwater backups at an inlet headwall located within its backyard. The inlet pipe takes the runoff subsurface across Douglas Lane and discharges it adjacent to Buckner Road approximately 350 linear feet west of Buckner Lane. The objective will be to review the existing stormwater drainage system and identify any components which might be contributing to the flooding conditions and make recommendations of remediation.

The following tasks are proposed to be performed as part of the drainage studies:

- Have survey benchmarks established at each project.
- Make field visits to identify and survey the existing drainage components.
- Conduct a drainage delineation and calculate stormwater runoff flow rates.
- Review the existing drainage components for deficiencies based on the calculated flow rates.
- Make recommendations for improvements to address stormwater deficiencies.

Please note this proposal does not include design of the proposed recommendations. This proposal only includes the identifications of deficiencies and recommendations of improvements. DDA will utilize the following information to perform the analysis:

- Field reconnaissance
- City of Spring Hill GIS data.
- (Biggers Drive only) 2016 Construction Plans for Buckner Place Drainage Improvements
- (Augusta Trace only) Construction plans from TDOT for Duplex Road Widening.

DESIGN FEE PROPOSAL

T&H proposes to perform the above tasks on an hourly basis not to exceed **\$45,000.00**.

This fee does not include reimbursables (printing, mileage, etc.), permit fees, or application/submittal fees. These additional fees will be invoiced in accordance with the Terms and Conditions of our professional engineering contract

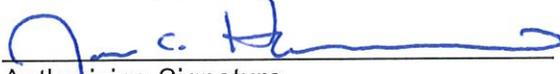
T&H's billing will be invoiced monthly based on hours worked. If you are in agreement with this proposal, we ask for a copy to be signed and returned to T&H as authorization to proceed. A signed copy should be retained in your project records.

Again, T&H appreciates the opportunity to provide a proposal to you for this project. Should you have any questions or comments please give me a call.

Sincerely,
THOMAS & HUTTON


Brad Dilling, P.E.,
Environmental Leader/Project Manager
CC: File

James A. Hagaman
Accepted By (Print Name)


Authorizing Signature

Mayor
Authorizing Representative's Title

August 16, 2021
Date