

RESOLUTION 22-53

A RESOLUTION OF THE BOARD OF MAYOR AND ALDERMEN ADOPTING THE CITY OF SPRING HILL ENTERPRISE CAPITAL IMPROVEMENT PLAN PRIORITIES FOR BUDGET YEARS 2022-2024

WHEREAS, a formal capital budget provides elected officials with a tool for evaluating and prioritizing capital improvement projects on the basis of urgency and importance to the public health, safety, and welfare; and

WHEREAS, the Enterprise Capital Improvement Plan (ECIP) is a planning document that provides direction and guidance for the City of Spring Hill to carefully plan and manage its capital and infrastructure needs for new and expanded utilities and the renovation/rehabilitation or upkeep of existing utility-related facilities; and

WHEREAS, due to staffing shortages and turnover and the changes in the membership of the Board of Mayor and Aldermen, the CIP for 2021-22 was funded generally and not specifically; and,

WHEREAS, projects associated with utilities such as water, wastewater, and stormwater are referred to as “enterprise” activities and funded by enterprise funds, and all other projects are “general” activities and fund from “non-enterprise funds,”; and

WHEREAS, among many competing projects, decisions must be made about the priorities of city for funding both the enterprise and non-enterprise projects; and

NOW THEREFORE BE IT RESOLVED, the Board of Mayor and Aldermen of the City of Spring Hill do hereby adopt the Enterprise Capital Improvement Plan Priorities for Fiscal Years 2022-2024 as listed below:

1. Wastewater Treatment Plant
 - a. Community Services Annex
 - b. SEW-21-02 Oxidation Ditch and Filter Repair
 - c. SEW-19-02 Headworks Expansion and Equalization Basin
 - d. SCADA Upgrades
 - e. SEW-19-01 Land Application of Treated Effluent on Mitchum Road property
 - f. Upgrade Waste Production Capacity & Source Additional Disposal Site
 - g. Upgrade Digester Aerators and Remove Aged Sludge
 - h. SEW-19-01 Construct Rutherford Creek Reclaimed Water Line
 - i. Construct 14-acre Indirect Reuse Reservoir at Derryberry Lane & Rice Road
 - j. Construct Wastewater Treatment Plant #2 within the Cleburne Subbasin
 - k. SEW-19-01 Construct Reclaimed Water Line to Saturn Parkway Interchanges

2. Water Treatment Plant

- a. Construct 2 MGD Raw Water and Effluent Mixing Tank
 - b. Install Membranes to Replace Filters
 - c. WAT-19-03 Upgrade to 6 MGD
3. Sewer Collections
- a. SEW-22-01 Royalton Woods Crooked Creek Gravity Sewer
 - b. SEW-20-02 Mahlon Moore & Kedron Road Gravity Sewer
 - c. Harvey Park Sewer Replacement
 - d. SEW-20-01 Infiltration & Inflow with flow monitoring
4. Water Distribution
- a. WAT-21-01 Arbor Valley Water Tank
 - b. WIFIA package with CPWS (see attached exhibit)
 - c. WAT-19-07 Derryberry 18" main extension to I-65
5. Water & Sewer Administration
- a. Asset Management Plan
 - b. Water, Sewer, & Stormwater Inventory & Condition Assessment
 - c. Maintenance & Operations Work Order System
 - d. Urban Growth Boundary Capacity Study Update
6. Stormwater
- a. STM-22-01 Augusta Place Improvements
 - b. STM 22-02 Buckner Place Improvements
 - c. STM 22-03 Douglas Lane Improvements
 - d. STM 22-04 Tweed Place Improvements
7. Sanitation
- a. N/A

Passed and adopted by the Spring Hill Board of Mayor and Aldermen this 21st day of March, 2022.



Jim Hagaman, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



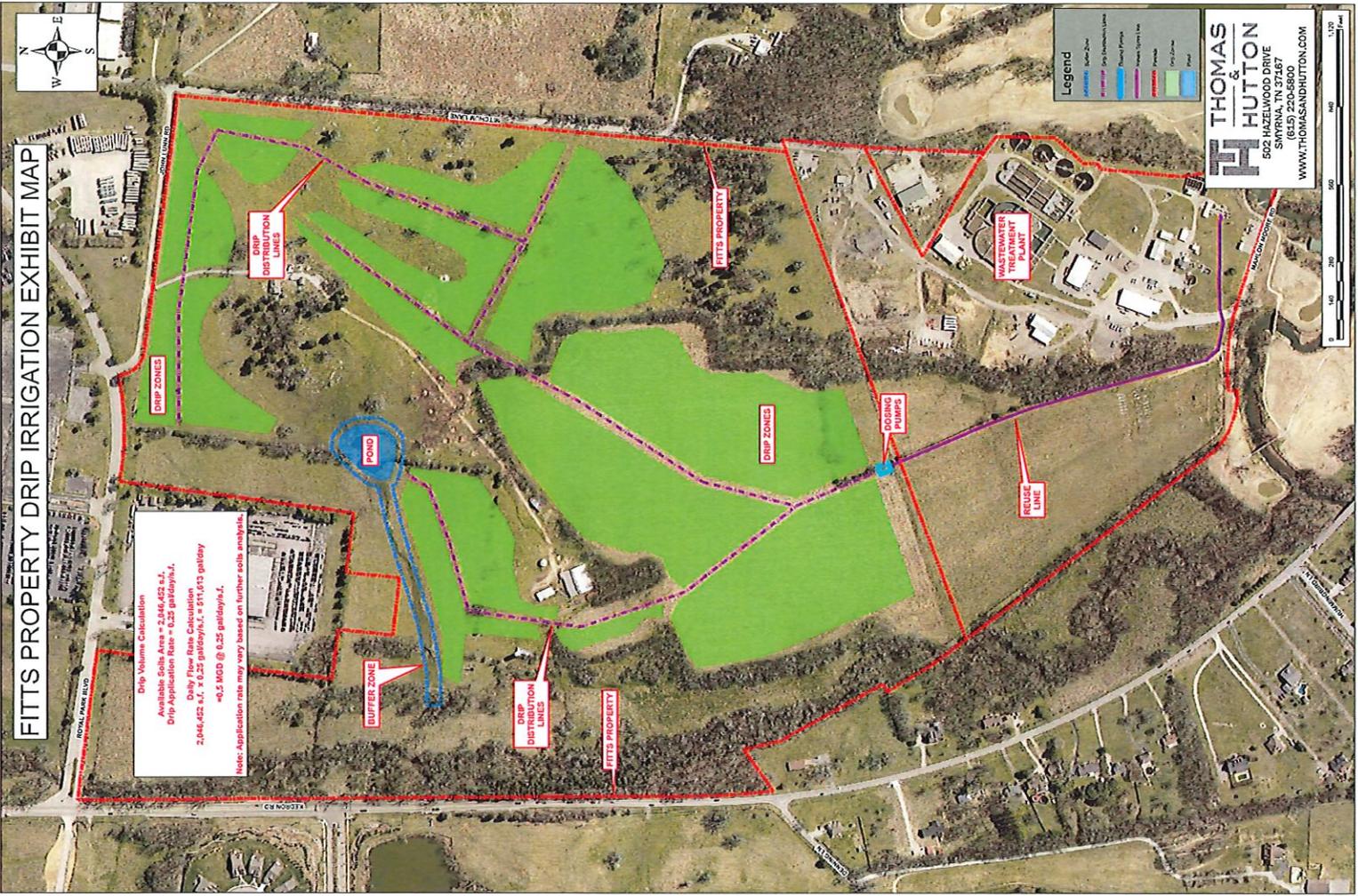
Patrick Carter, City Attorney

FITTS PROPERTY DRIP IRRIGATION EXHIBIT MAP



Drip Volume Calculation
 Available Soils Area = 2,846,452 s.f.
 Drip Application Rate = 0.25 gal/day/s.f.
Daily Flow Rate Calculation
 2,846,452 s.f. x 0.25 gal/day/s.f. = 711,613 gallons
 = 0.5 MGD @ 0.25 gal/day/s.f.

Note: Application rate may vary based on further soils analysis.



Legend

- Buffer Zone
- Drip Distribution Lines
- Existing Pumps
- Existing Soils Area
- Pond
- Drip Zone

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 502 HAZELWOOD DRIVE
 SAYRENA, TN 37267
 (615) 220-6800
 WWW.THOMASANDHUTTON.COM

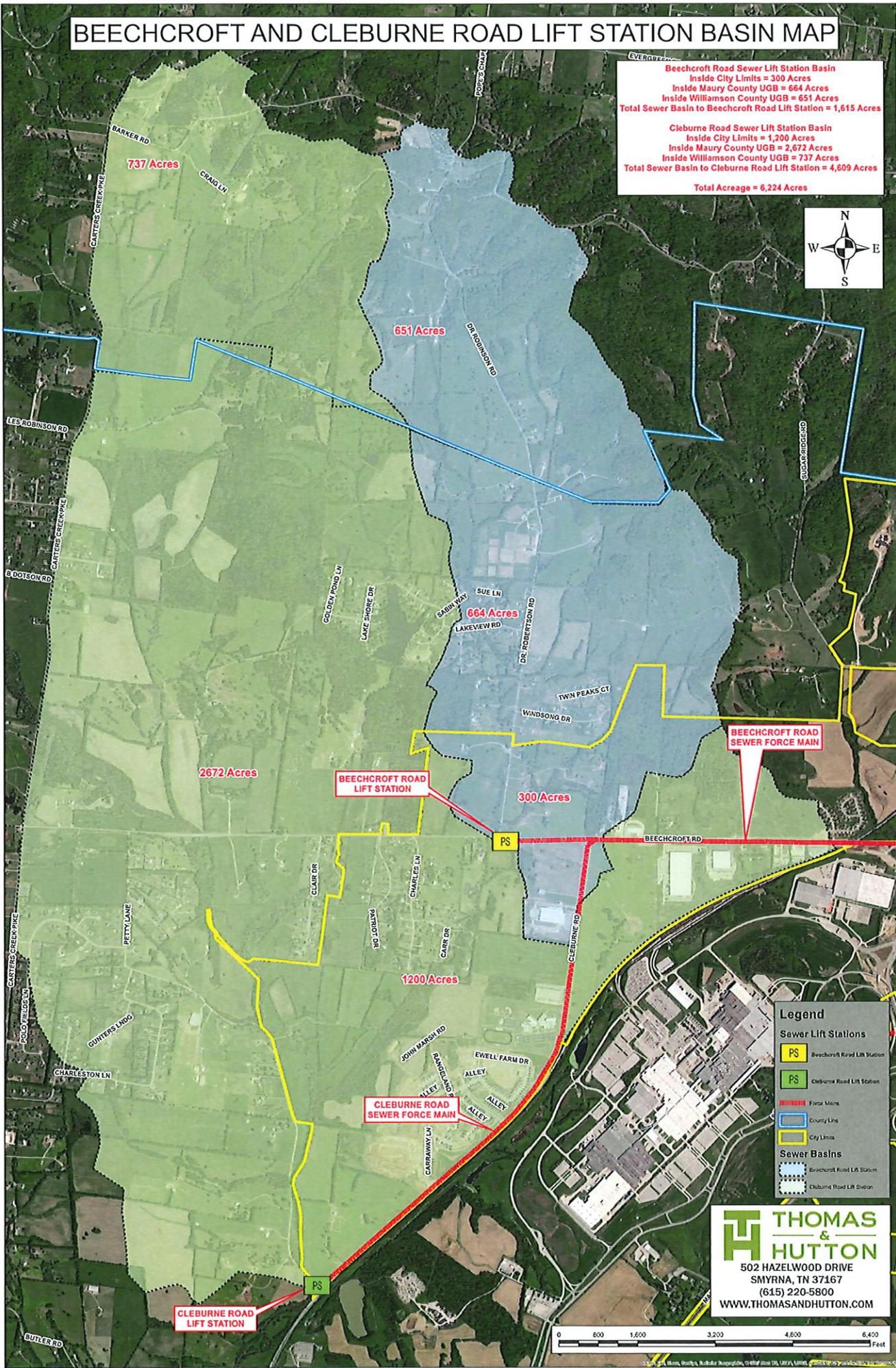


BEECHCROFT AND CLEBURNE ROAD LIFT STATION BASIN MAP

Beechcroft Road Sewer Lift Station Basin
 Inside City Limits = 300 Acres
 Inside Maury County UGB = 664 Acres
 Inside Williamson County UGB = 651 Acres
 Total Sewer Basin to Beechcroft Road Lift Station = 1,615 Acres

Cleburne Road Sewer Lift Station Basin
 Inside City Limits = 1,200 Acres
 Inside Maury County UGB = 2,672 Acres
 Inside Williamson County UGB = 737 Acres
 Total Sewer Basin to Cleburne Road Lift Station = 4,609 Acres

Total Acreage = 6,224 Acres



BEECHCROFT ROAD LIFT STATION

BEECHCROFT ROAD SEWER FORCE MAIN

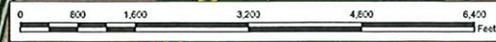
CLEBURNE ROAD SEWER FORCE MAIN

CLEBURNE ROAD LIFT STATION

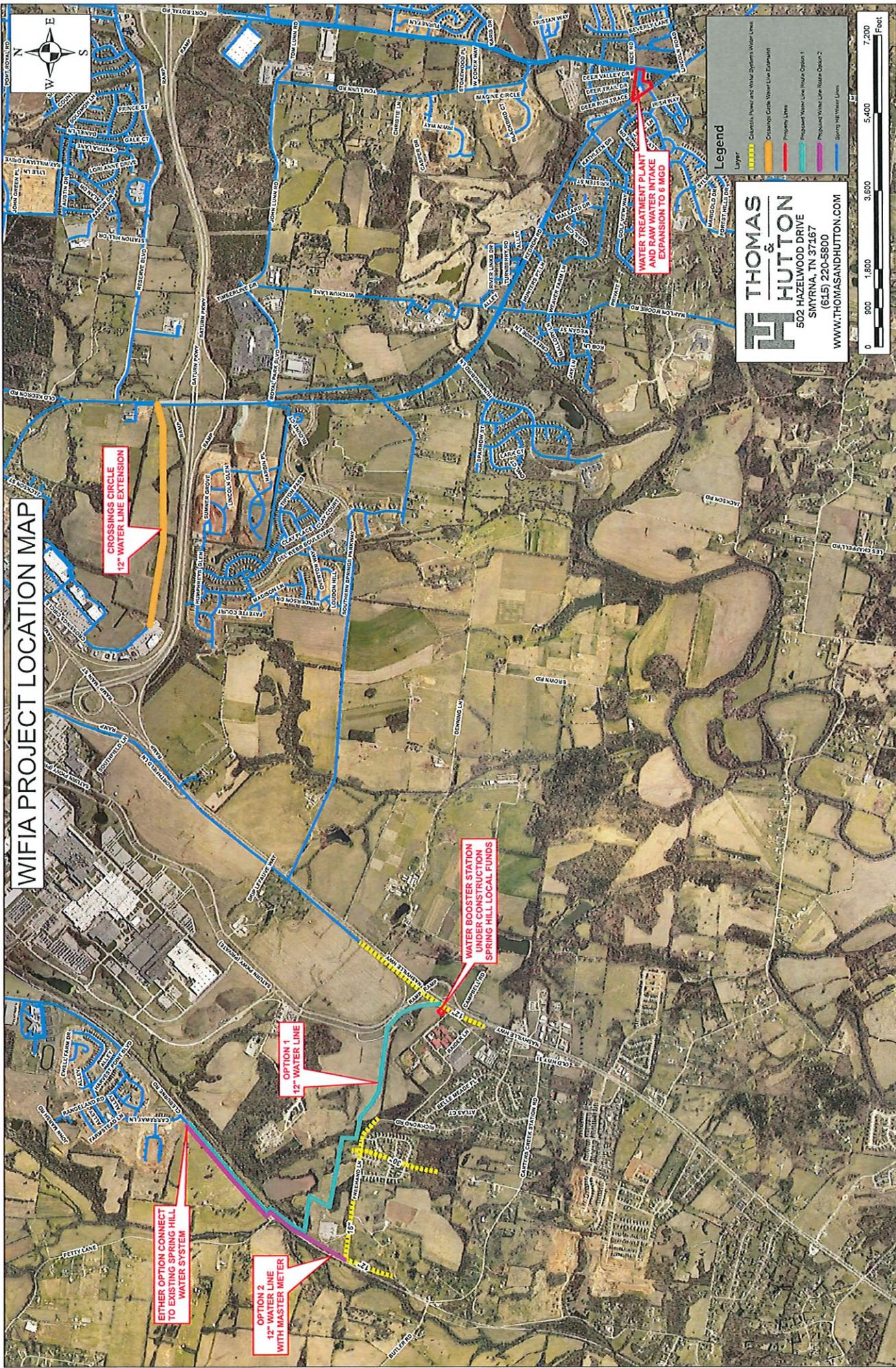
Legend

- Sewer Lift Stations**
 - PS Beechcroft Road Lift Station
 - PS Cleburne Road Lift Station
- Force Mains** (Red line)
- County Line** (Blue line)
- City Limits** (Yellow line)
- Sewer Basins**
 - Beechcroft Road Lift Station (Light Blue area)
 - Cleburne Road Lift Station (Light Green area)

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 SMYRNA, TN 37167
 (615) 220-5800
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WIFIA PROJECT LOCATION MAP



Legend

Layer

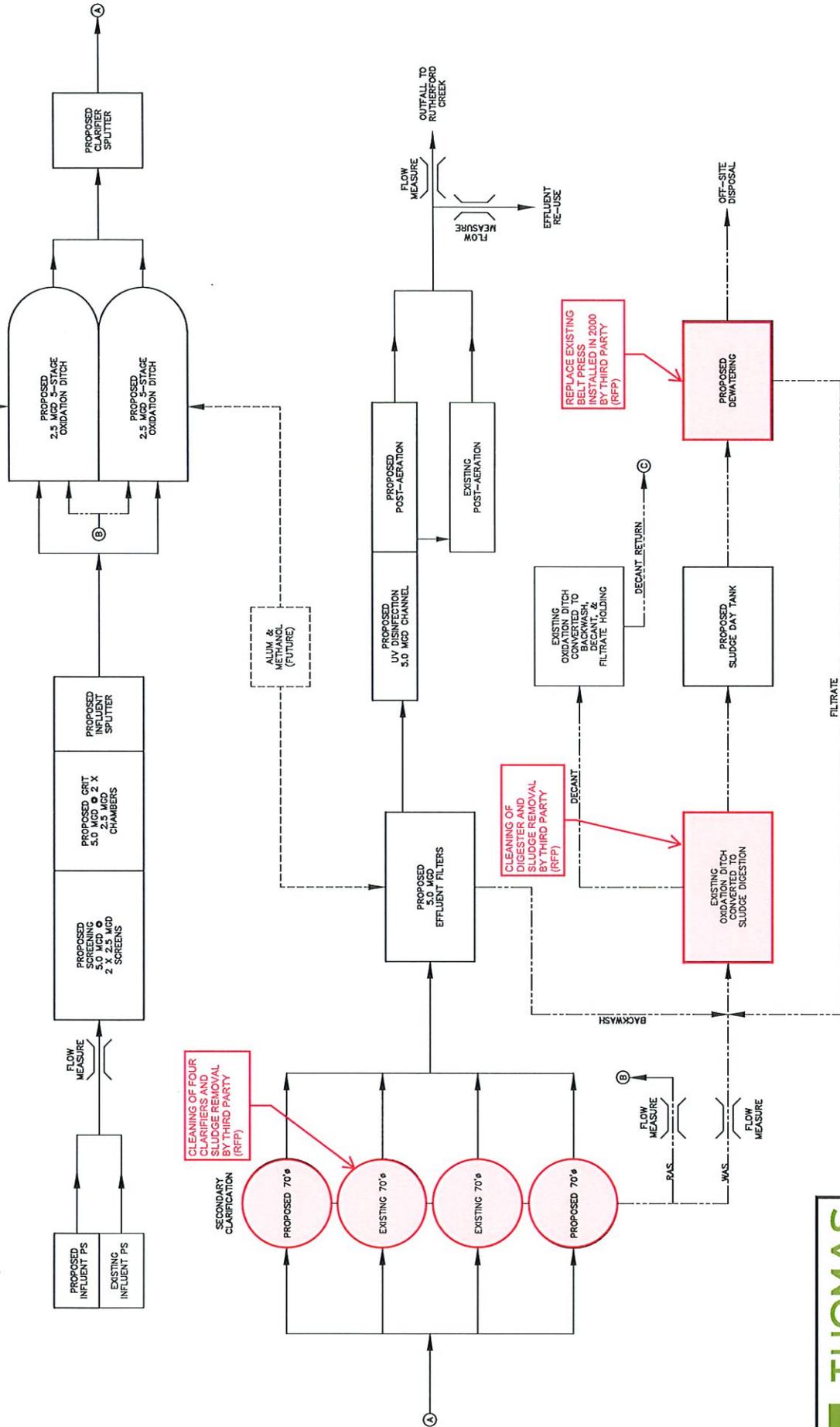
- Yellow: Customer Meter and/or Individual Water Meter
- Orange: Customer Meter Water Line Extension
- Red: Property Lines
- Green: Proposed Water Line (Single Option 1)
- Blue: Proposed Water Line (Single Option 2)
- Purple: All Water Lines

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SPRING HILL WWTP PROCESS FLOW IMPROVEMENTS



LEGEND

—————	WASTEWATER
- - - - -	SLUDGE
.....	FUTURE
—————	PROPOSED
—————	EXISTING

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WWTP REUSE EXHIBIT MAP

