

RICHLAND COUNTY

SEWER AD HOC COMMITTEE AGENDA



Tuesday, APRIL 26, 2022

7:00 PM



Richland County Council 2022



Derrek Pugh
District 2



Jessica Mackey
District 9
Vice Chair



Bill Malinowski
District 1



Overture Walker
District 8
Chair



Gretchen Barron
District 7



Yvonne McBride
District 3



Chakisse Newton
District 11



Paul Livingston
District 4



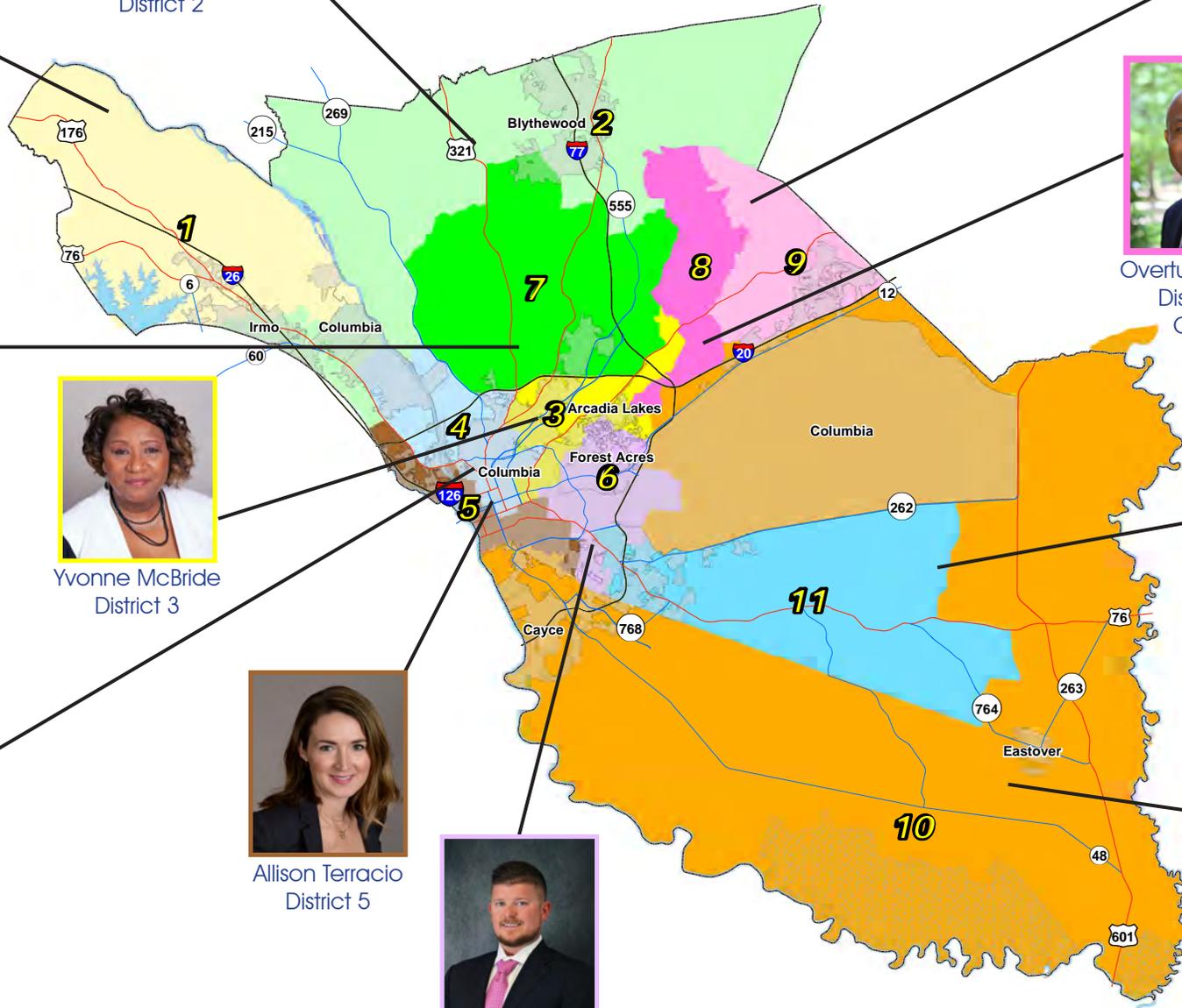
Allison Terracio
District 5



Joe Walker, III
District 6



Cheryl English
District 10





Richland County Sewer Ad Hoc Committee

AGENDA

April 26, 2022 - 7:00 PM

Council Chambers

2020 Hampton Street, Columbia, SC 29204

The Honorable Bill Malinowski	The Honorable Derrek Pugh	The Honorable Cheryl English
County Council District 1	County Council District 2	County Council District 10

1. **Call to Order** The Honorable Bill Malinowski
2. **Approval of Minutes** The Honorable Bill Malinowski
 - a. March 1, 2022 [PAGES 5-8]
3. **Adoption of Agenda** The Honorable Bill Malinowski
4. **Presentation** The Honorable Bill Malinowski
 - a. Southeast Sewer Expansion Project Update [PAGES 9-32]
5. **Other Topics**
6. **Adjournment**



Special Accommodations and Interpreter Services Citizens may be present during any of the County's meetings. If requested, the agenda and backup materials will be made available in alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), as amended and the federal rules and regulations adopted in implementation thereof. Any person who requires a disability-related modification or accommodation, including auxiliary aids or services, in order to participate in the public meeting may request such modification, accommodation, aid or service by contacting the Clerk of Council's office either in person at 2020 Hampton Street, Columbia, SC, by telephone at (803) 576-2061, or TDD at 803-576-2045 no later than 24 hours prior to the scheduled meeting.



Richland County Council
Sewer Ad Hoc Committee
MINUTES
March 1, 2022 –3:00 PM
2020 Hampton, Columbia, SC 29204

COMMITTEE MEMBERS PRESENT: Bill Malinowski, Chair, Derrek Pugh, and Cheryl English

OTHERS PRESENT: Anette Kirylo, Michelle Onley, Leonardo Brown, Patrick Wight, Angela Weathersby, Kyle Holsclaw, Justin Landy, Tamar Black, Bill Davis, Ashiya Myers, Lori Thomas, John Thompson, Aric Jensen, Steven Gaither, Stacey Hamm and Dwight Hanna

1. **CALL TO ORDER** – Chairman Bill Malinowski called the meeting to order at approximately 3:00 PM.

2. **APPROVAL OF MINUTES** –

a. **Committee Meeting: December 7, 2021** – Mr. Pugh moved, seconded by English, to approve the minutes as distributed.

In Favor: Malinowski, Pugh, and English

The vote in favor was unanimous.

3. **ADOPTION OF AGENDA** – Ms. English moved, seconded by Mr. Pugh, to adopt the agenda as published.

In Favor: Malinowski, Pugh and English

The vote in favor was unanimous.

4. **Election of Chair** – Mr. Pugh moved, seconded by Ms. English, to nominate Mr. Malinowski for the position of Chair.

Ms. English moved, seconded by Mr. Pugh, to close the nominations.

In Favor: Malinowski, Pugh and English

The vote in favor of closing the nominations was unanimous.

In Favor: Malinowski, Pugh and English

The vote in favor of elected Mr. Malinowski as Chair was unanimous.

Sewer Ad Hoc Committee
March 1, 2022

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5. **ITEMS FOR ACTION**

- a. Modification to ERCPSD Special Purpose District Boundary – Mr. Leonardo Brown, County Administrator, stated staff recommended approval of the proposed modifications to the East Richland County Public Service District Boundary. This is a ministerial function that County Council has to perform. Council is the only entity that has the authority to move the boundaries, if you so choose. In order to comply with the 208 Plan, they are requesting to move the boundaries. This would not have a fiscal impact on the County.

Mr. Malinowski inquired if the area reflected in Exhibit B is being served by Richland County Utilities.

Mr. Bill Davis, Utilities Director, responded it is not being served by anyone.

Mr. Malinowski inquired why the County has to pass something the law says is already in the East Richland County Public Service District.

Mr. Davis responded they could service it, but they will not get the millage. The millage has to be applied to those properties.

Ms. Malinowski inquired if the action will cause the overall County to put a millage on these properties, and the millage will be provided to the sewer district.

Mr. Davis responded in the affirmative.

Mr. Malinowski inquired who is serving Exhibit A.

Mr. Davis responded it is slated to be served Southwest Water, formerly known as Palmetto Utilities.

Mr. Malinowski inquired, since it is not in the East Richland County Public Service District, do we need to designate a service provider.

Mr. Davis responded the service provider will be designated by the Central Midlands Council of Governments as a subsequent change to the current document.

Mr. Malinowski inquired if this is another millage matter.

Mr. Davis responded it will be. East Richland County Public Service District will lose millage because they are not serving the property.

Ms. English moved, seconded by Mr. Pugh; to forward to Council with a recommendation to approve the proposed modifications to East Richland County Public Service District's Special Purpose Boundary.

In Favor: Malinowski, Pugh and English

The vote in favor was unanimous.

- b. Richland County Properties Identified for Water Master Plan - TMS # R03215.01.14 and TMS# R01700-02-02 – Mr. Brown stated staff requests the committee, and ultimately County Council, place the two (2) properties on hold to remain in the County's possession for the potential future use of

**Sewer Ad Hoc Committee
March 1, 2022**

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water service.

Mr. Malinowski inquired if the properties are already owned by Richland County and being held to ensure it will not be sold. The properties will potentially be used for future development's water infrastructure.

Mr. Brown responded in the affirmative.

Ms. English inquired about the potential of water treatment, and if this will fit in the natural plan of water treatment.

Mr. Davis responded it will have to be decided based on Council's wishes. Before Council could direct them, there would have to be a master plan. He recommended the master plans be separated between the northwest and the southeast, as they are vastly different and the water sources would be different.

Ms. English moved, seconded by Mr. Pugh, to forward to Council with a recommendation to place a hold on any sale or use of these properties until the Richland County Utilities' Water Master Plan is completed.

In Favor: Malinowski, Pugh and English

The vote in favor was unanimous.

c. Project Funded by Grants – Mr. Brown stated Utilities is requesting the ability to seek and apply for any funding sources that could be utilized to address the following:

1. Shady Grove Pump Station (PS) Rehabilitation;
2. 24" Forcemain (FM) Gadsden Elementary to Eastover Wastewater Treatment Plant (WWTP)
3. Eastover WWTP Upgrade
4. 10" FM from Rabbit Run to Garners Ferry Road
5. Stoney Point/Cedar Cove Sewer Rehabilitation Project

Seeking and applying for funds will make us more agile and less likely to miss out on funding opportunities. The approval of said funding would be brought back to Council.

Ms. English moved, seconded by Mr. Pugh, to forward to Council with a recommendation to allow staff to pursue the various project where a grant may cover all, or a portion, of the project cost over the next few years.

Mr. Pugh inquired about how the project were prioritized.

Mr. Brown responded the Shady Grove Pump Station and the Stoney Point/Cedar Cove Sewer both had overflow that could lead to issues with DHEC. The other priorities were wastewater treatment plants upgrading their capacity and putting them in the position to handle the flow they need to extend out to the community.

In Favor: Malinowski, Pugh and English

The vote in favor was unanimous.

**Sewer Ad Hoc Committee
March 1, 2022**

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6. **ADJOURNMENT** – Mr. Pugh moved, seconded by Ms. English to adjourn.

In Favor: Malinowski, Pugh, and English

The vote in favor was unanimous

The meeting adjourned at approximately 3:16 PM.

**Sewer Ad Hoc Committee
March 1, 2022**

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APRIL 26, 2022
SEWER AD-HOC
7:00 P.M.



UTILITIES

SOUTHEAST SEWER EXPANSION PROJECT COUNCIL UPDATE

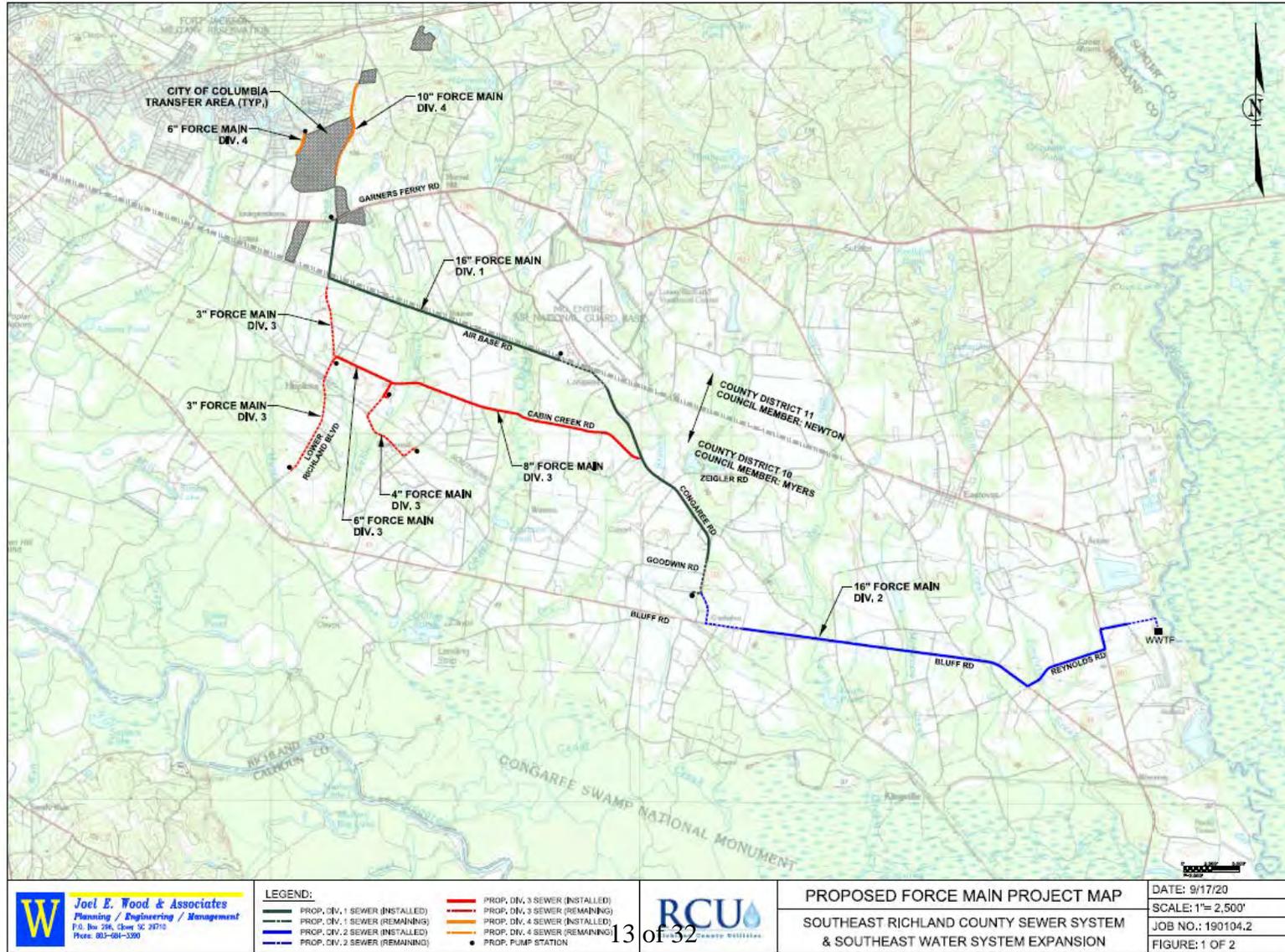
Where we are with Phase 1 and what is needed for the next phase

AGENDA

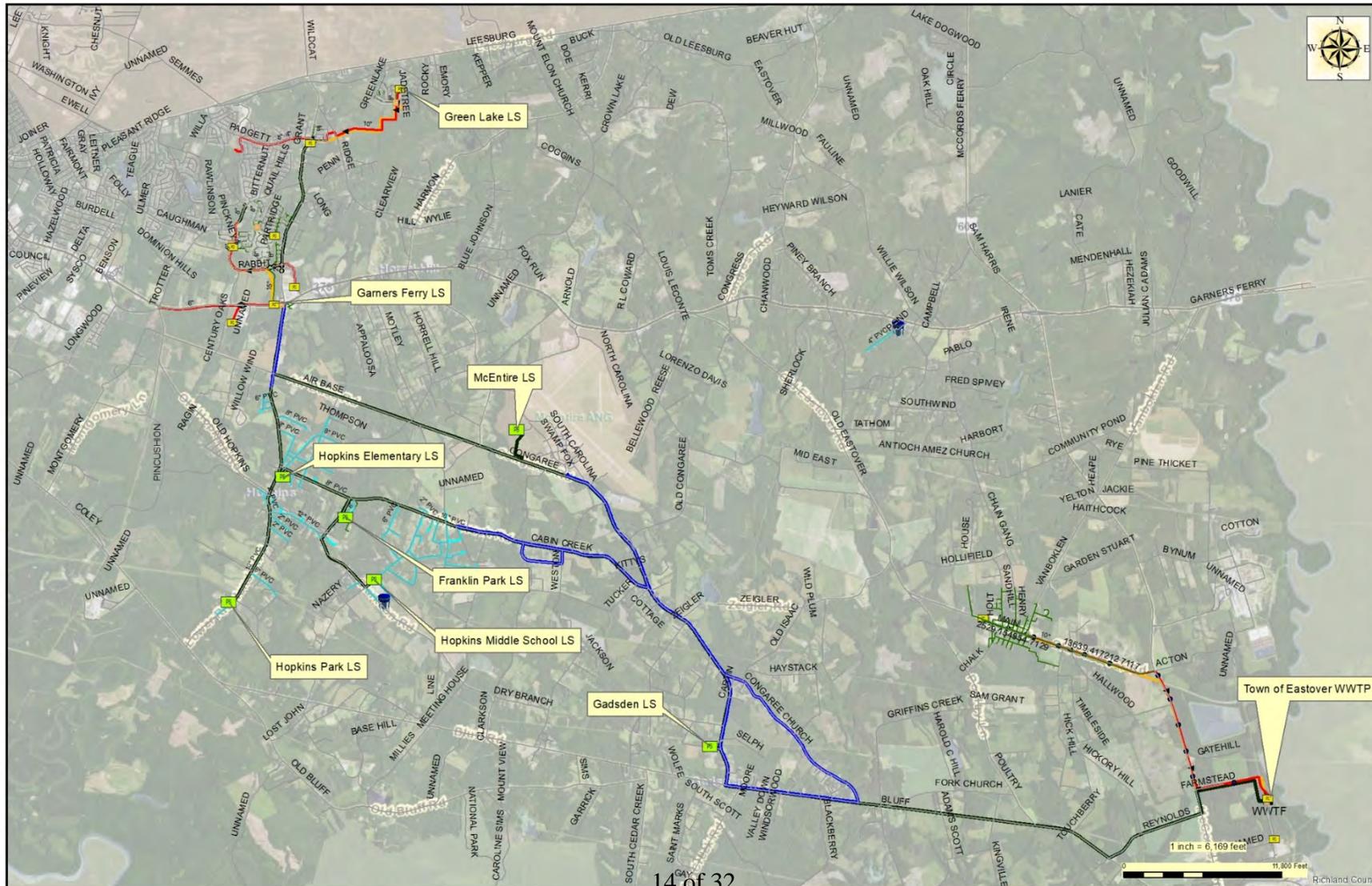
- Where Our Sewer Systems Are Now
- Southeast Water & Sewer Phase 1 Update
- School Wastewater Facility Close Outs
- McEntire Wastewater Facility Close Out
- Current Needs at Eastover Wastewater Treatment Plant
- Phase 1 Sewer Remaining Capacity
- Phases 1-3 as Approved 10/02/2018
- Southeast Sewer Phases 2 & 3 Concept Plan
- Southeast Sewer Phase 2
- Southeast Sewer Phase 3
- Questions?



SOUTHEAST PHASE 1 AS APPROVED BY COUNCIL



SOUTHEAST WATER & SEWER PHASE 1 UPDATE



SOUTHEAST WATER & SEWER PHASE 1 UPDATE

- Division 1 – Tom Brigman Company (TBC)
 - Garner’s Ferry Road Pump Station
 1. All but one Willingness to Serve letter issued to date are going to this station
 - McEntire AFB Pump Station
 1. Station is online and we have capacity for planned growth at the base built in to pump station
 2. Need to close their existing wastewater treatment facility – To Be Reimbursed
 3. Billing them as a bulk rate customer
 - Sewer “Backbone” lines are complete and operational
 - Individual Water and Sewer Connections need to be Completed
 1. 5 Water Customers
 2. 5 Sewer Customers



SOUTHEAST WATER & SEWER PHASE 1 UPDATE

- Division 2 – Tom Brigman Company (TBC)
 - Eastover WWTP Permit was upgraded from 0.75 MGD to 1.2 MGD
 - Gadsden Elementary Pump Station
 - This is the largest station we have in the Southeast
 - Sewer “Backbone” lines are complete and operational
 - Individual Water and Sewer Connections need to be Completed
 - 7 Water Customers
 - 7 Sewer Customers



SOUTHEAST WATER & SEWER PHASE 1 UPDATE

- Division 3 – TCO
 - These pump stations are permitted and fully operational
 - Hopkins Park Pump Station
 - Hopkins Elementary Pump Station
 - Hopkins Middle School Pump Station
 - Franklin Park Pump Station
 - Hopkins Tank Facility Sewer Connection in not complete yet
 - Sewer lines are complete and operational
 - Individual Water and Sewer Connections are Complete
 - 2 Water Customers
 - 10 Sewer Customers



SOUTHEAST WATER & SEWER PHASE 1 UPDATE

- Division 4 – Stutts & Williams
 - Trotter Road Pump Station is not online yet
 - Lower Richland HS Pump Station is connected to the new system
 - Quail Creek Pump Station is not coming to the new system yet
 - Swandale Pump Station is connected to the new system
 - City of Columbia Transfer Area
 - Greenlake Pump Station Cannot Be Connected at this time due to Capacity Issues
 - Other Pump Stations in Transfer Area will be Connected to Garners Ferry Pump Station soon
 - Linework is close to Completion; several Connections remain
 - Individual Water and Sewer Connections need to be Completed
 - 0 Water Customers
 - 10 Sewer Customers



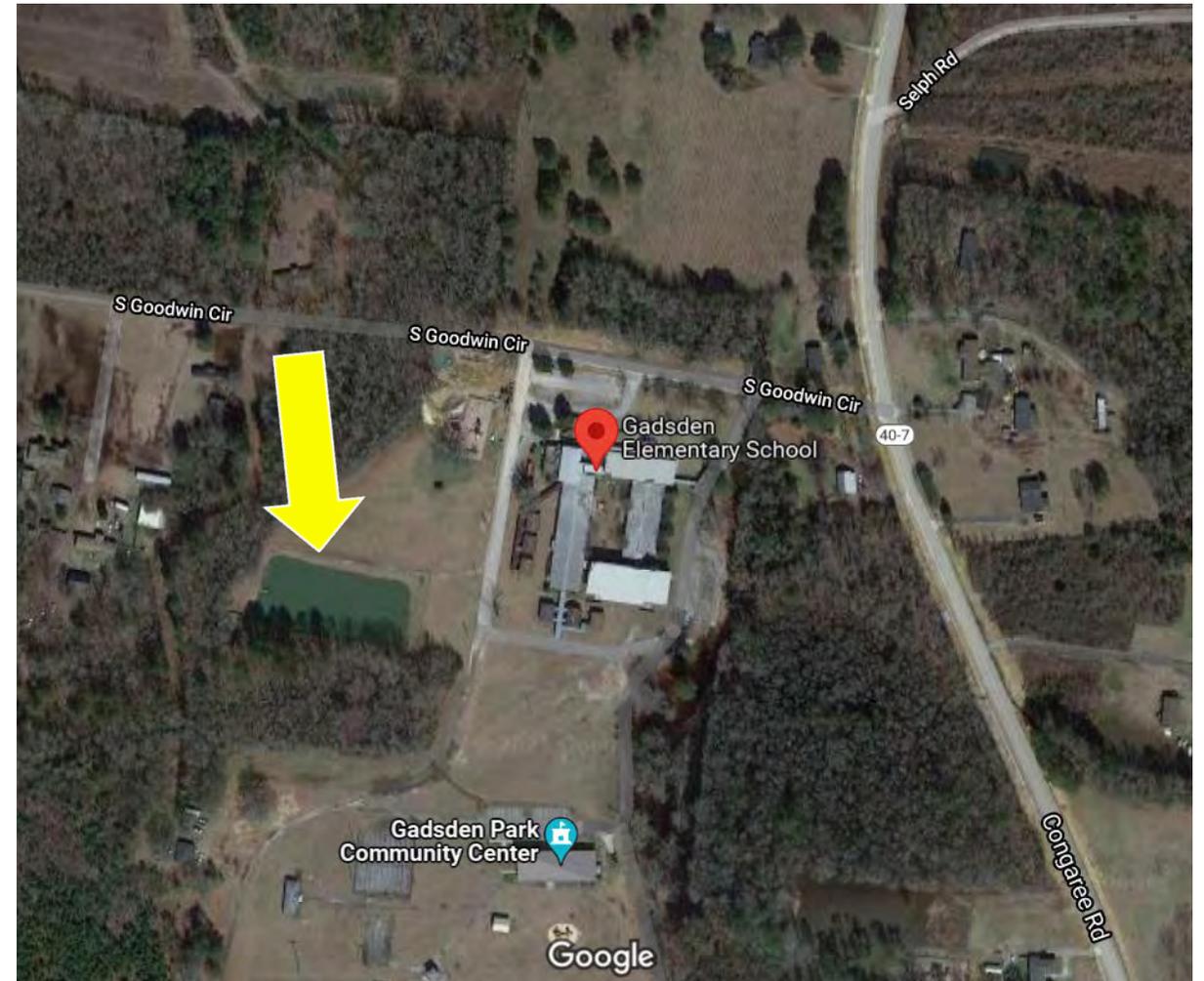
SCHOOL WASTEWATER FACILITY CLOSE OUTS

- School District to Contribute
 - \$2,000,000 for Construction
 - Up to \$500,000 for Contingency
- SCDHEC to Contribute
 - \$1,000,000 for Project via SRF



SCHOOL WASTEWATER FACILITY CLOSE OUTS

- Gadsden Elementary School Lagoon
- Estimated Cost \$673,000



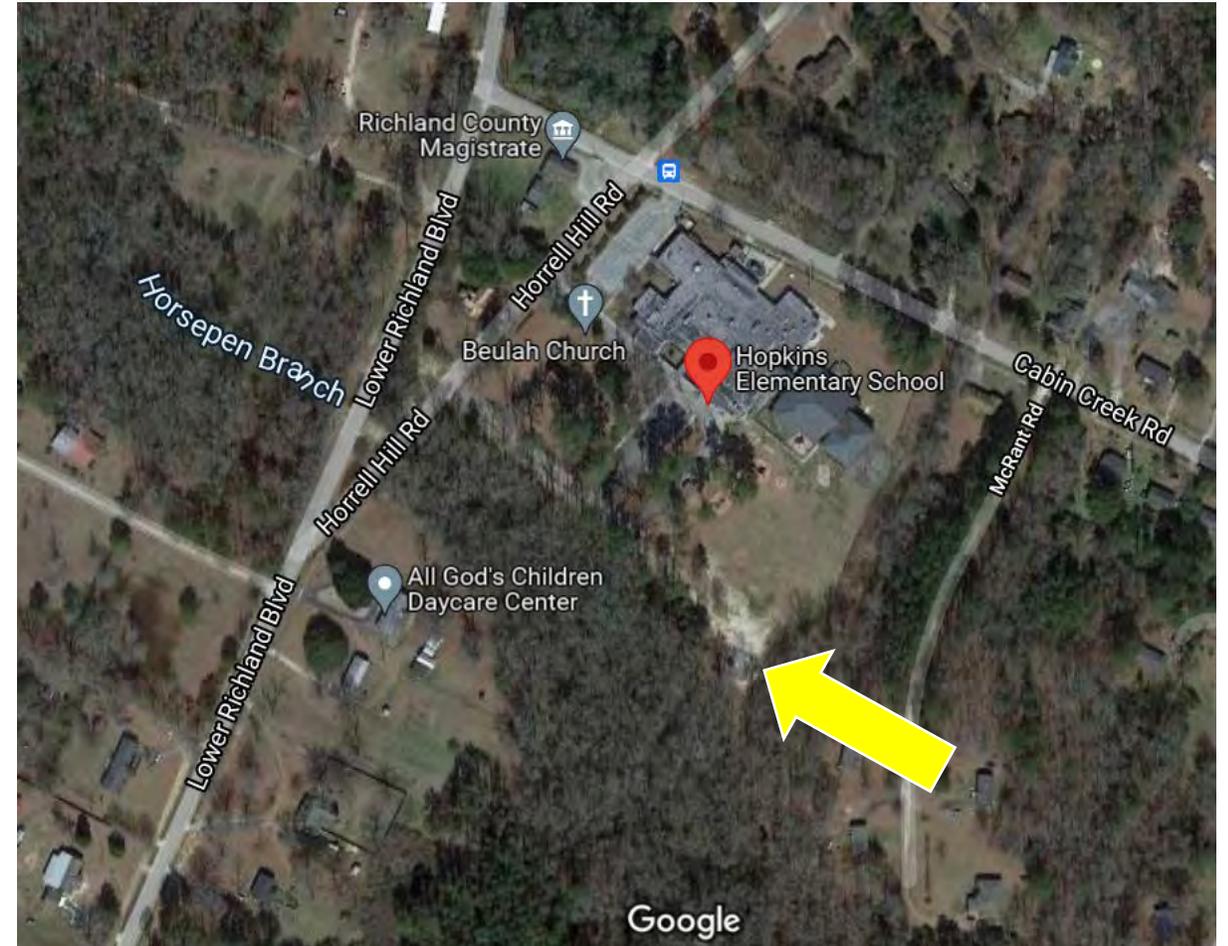
SCHOOL WASTEWATER FACILITY CLOSE OUT

- Hopkins Middle School Lagoon
- Estimated Cost \$241,000



SCHOOL WASTEWATER FACILITY CLOSE OUT

- Hopkins Elementary School Package WWTP
- Estimated Cost \$78,000



MCENTIRE WASTEWATER FACILITY CLOSE OUT

- McEntire has asked us to Close Out their existing Wastewater Facility
- We plan to add this to our other 3 Close Out projects for the School District
- McEntire will reimburse us for engineering and construction



CURRENT NEEDS AT EASTOVER WWTP

- An Interim Biosolids plan for the Eastover WWTP was awarded to Bionomics and will be installed at the plant in the next few months
- The following items need to be installed in conjunction with the Interim biosolids plan;
 - Electrical Service
 - Water Service
 - Effluent Pump for Beltpress Backwash and Filtrate Drain piping
 - KCI is our Engineer for the project and they are working on construction plans
- New Well System must be installed at WWTP because existing Irrigation Well is inadequate for future process water needs and we currently don't have potable water at the plant
- The return activated sludge pumping system needs to be upsized
- We need to add a lime feed system to the plant
- We need to increase the capacity of our disinfection system
- A Storage Facility and Maintenance Office Space is Needed

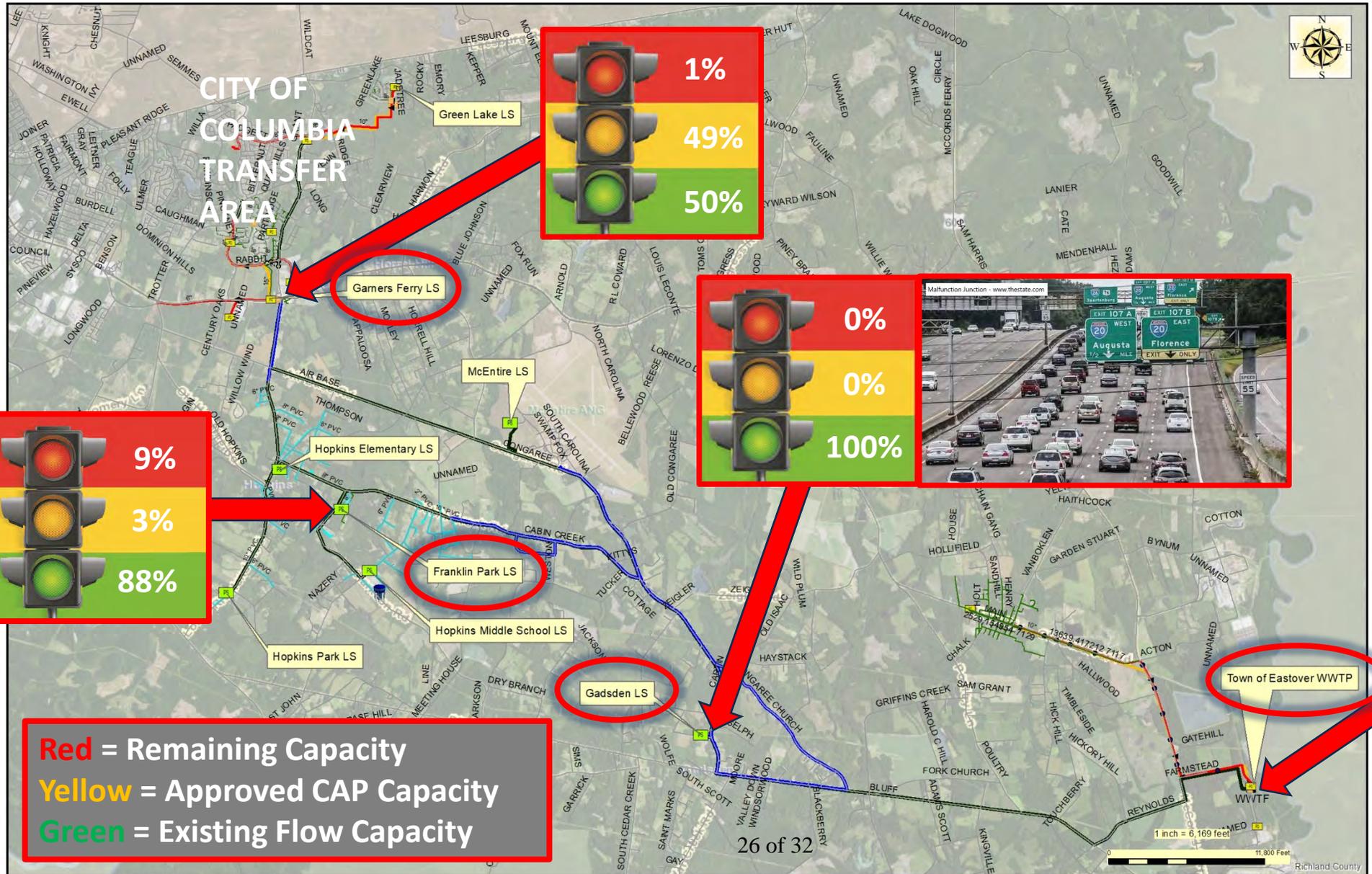


PHASE 1 SEWER CAPACITY REMAINING

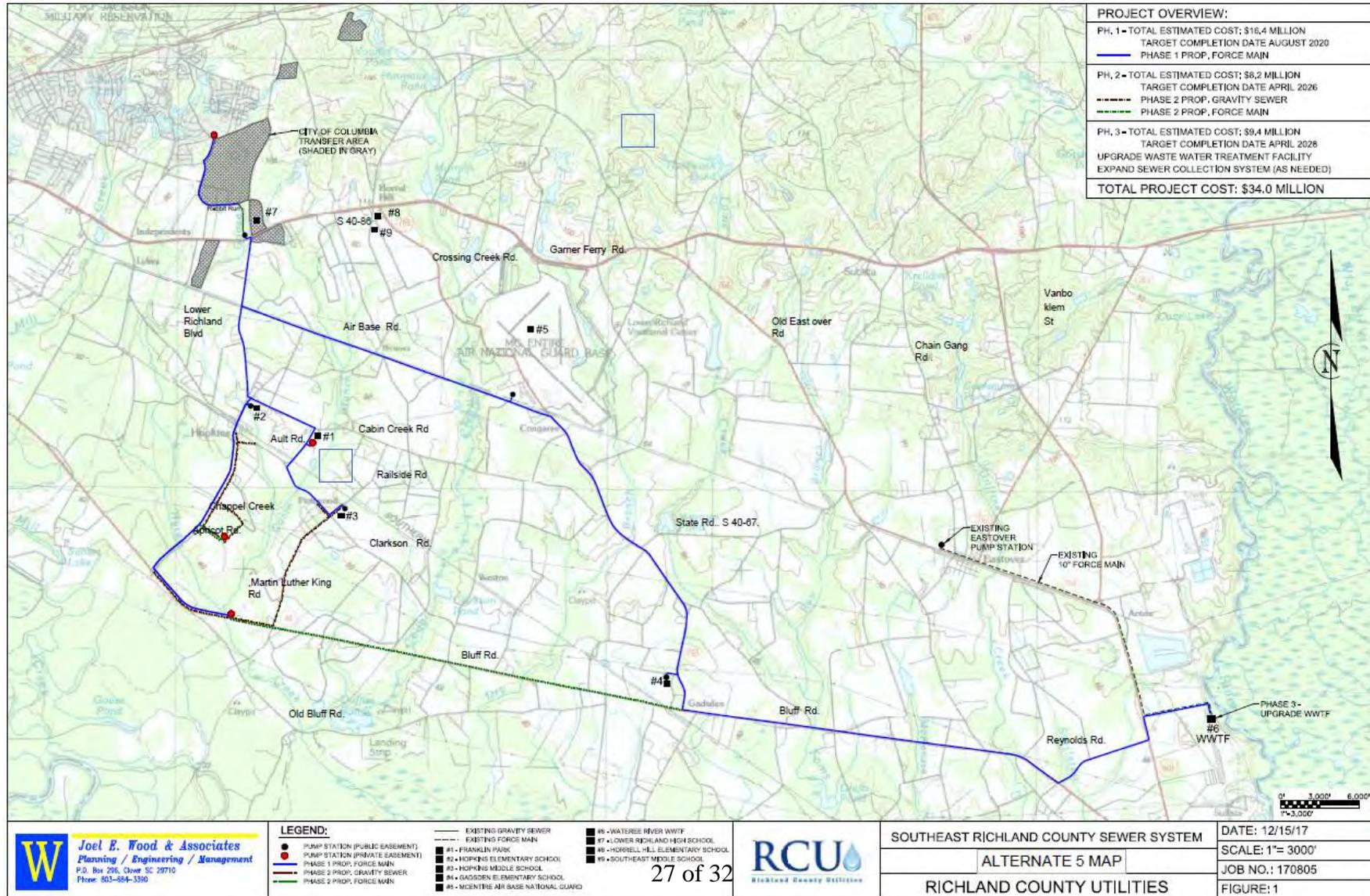
- Garners Ferry Road Pump Station fully utilized
- Franklin Park Pump Station has 9% capacity remaining, but it is limited by Gadsden Pump Station's capacity
- Gadsden Pump Station receives flows from Garners Ferry Road, Franklin Park, and McEntire Pump Stations and it is 100% utilized
- Eastover Wastewater Treatment Plant is fully utilized



PHASE 1 SEWER CAPACITY REMAINING



PHASE 1-3 AS APPROVED 10-02-2018



W Joel E. Wood & Associates
Planning / Engineering / Management
P.O. Box 206, Clover SC 29710
Phone: 803-584-3350

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RCU
Richland County Utilities

SOUTHEAST RICHLAND COUNTY SEWER SYSTEM
ALTERNATE 5 MAP
RICHLAND COUNTY UTILITIES

DATE: 12/15/17
SCALE: 1" = 3000'
JOB NO.: 170805
FIGURE: 1

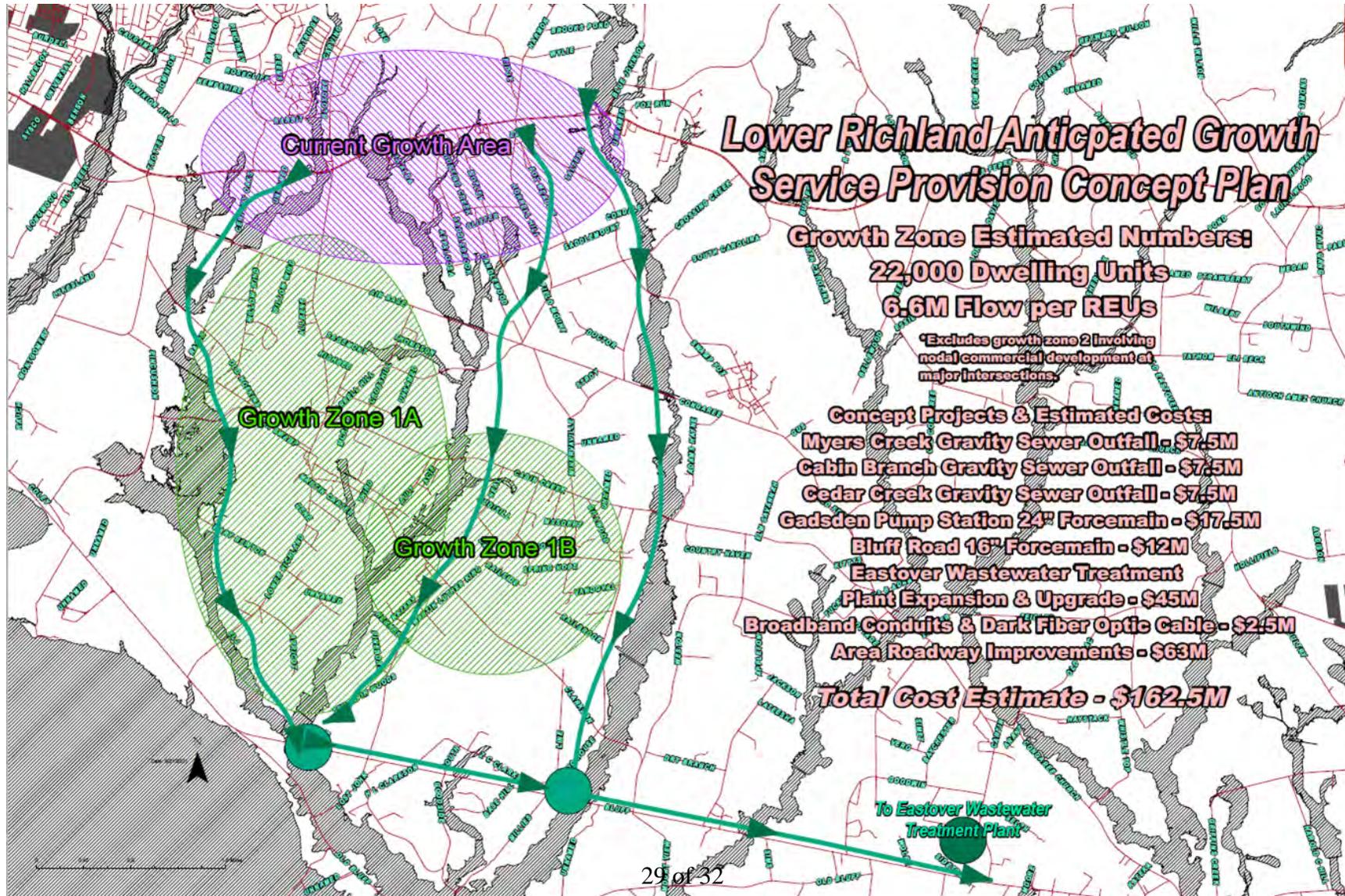


SOUTHEAST SEWER PHASES 2 AND 3

- RCU and Planning Staff have been working with Councilwoman English to develop a Concept Plan
- We have retained an Engineer, AECOM, to work on the Southeast Sewer Master Plan
- We are seeking approval of the Concept Plan so that AECOM can complete the Southeast Sewer Master Plan
- The Master Plan will define the Phase 2 projects



SOUTHEAST SEWER PHASES 2 & 3 CONCEPT PLAN



SOUTHEAST SEWER PHASE 2 PROJECTS

- 24” Force Main must be done to add additional capacity
- 6 MGD Eastover WWTP Expansion must be completed to get full capacity for Phase 1 Design
- Other Projects must be done to add capacity along the three growth corridors in Concept Plan
- Without these projects, we will;
 - Limit Growth
 - Continue to Pay the City of Columbia to treat some of the flow from the transfer area
 - Face Long Term Moratoriums in Certain Areas
 - Open Ourselves to Potential Regulatory Penalties



SOUTHEAST SEWER PHASE 3 PROJECTS

- 6 MGD Eastover WWTP Expansion must be Completed to get Adequate Capacity for Phase 1-3 Design Flows



QUESTIONS?



UTILITIES

