

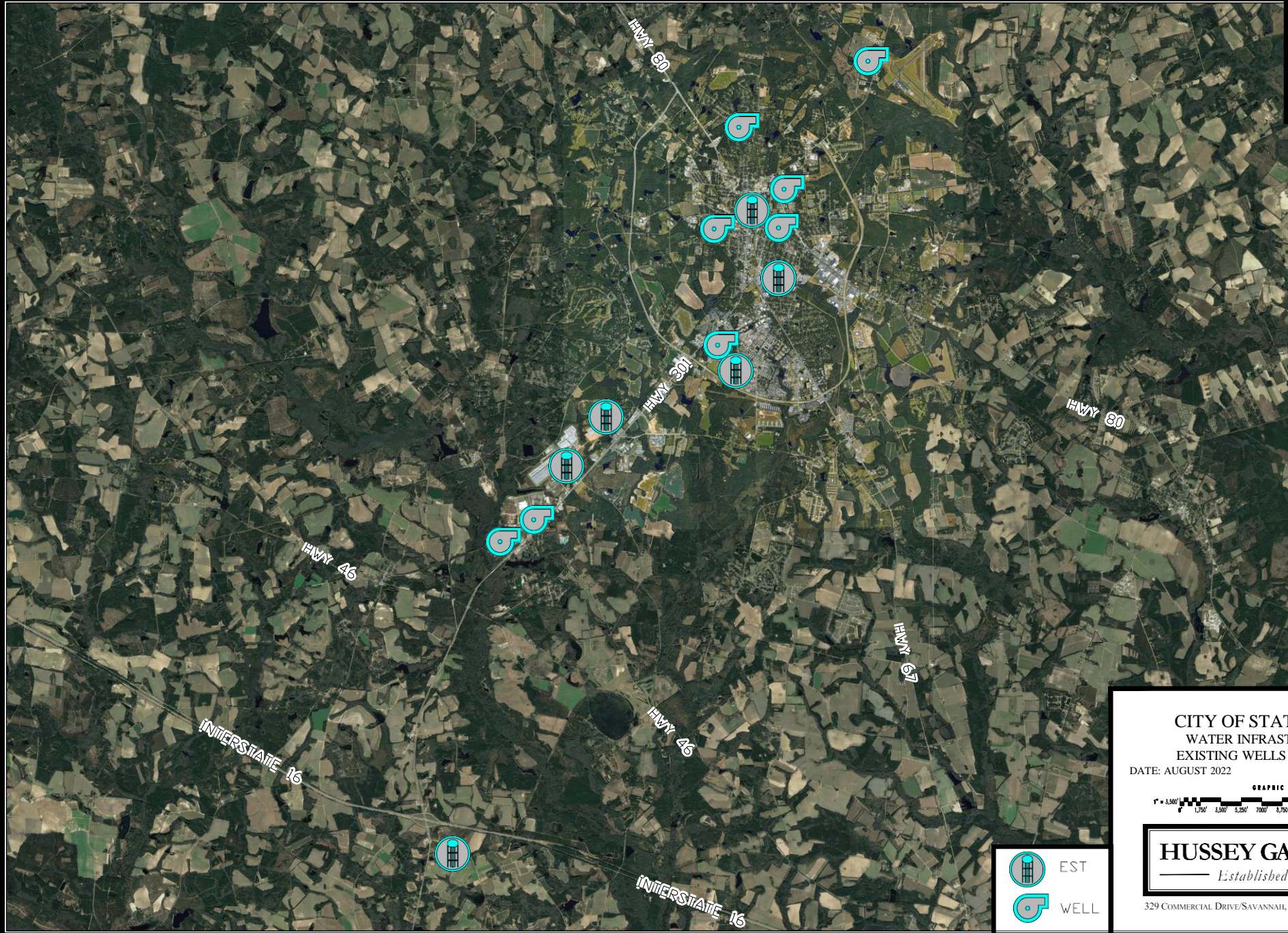
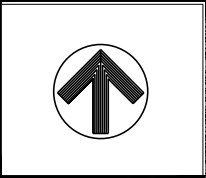


# Joint Planning Meeting

## City of Statesboro & Bulloch County



# Water & Wastewater Infrastructure



 EST  
 WELL

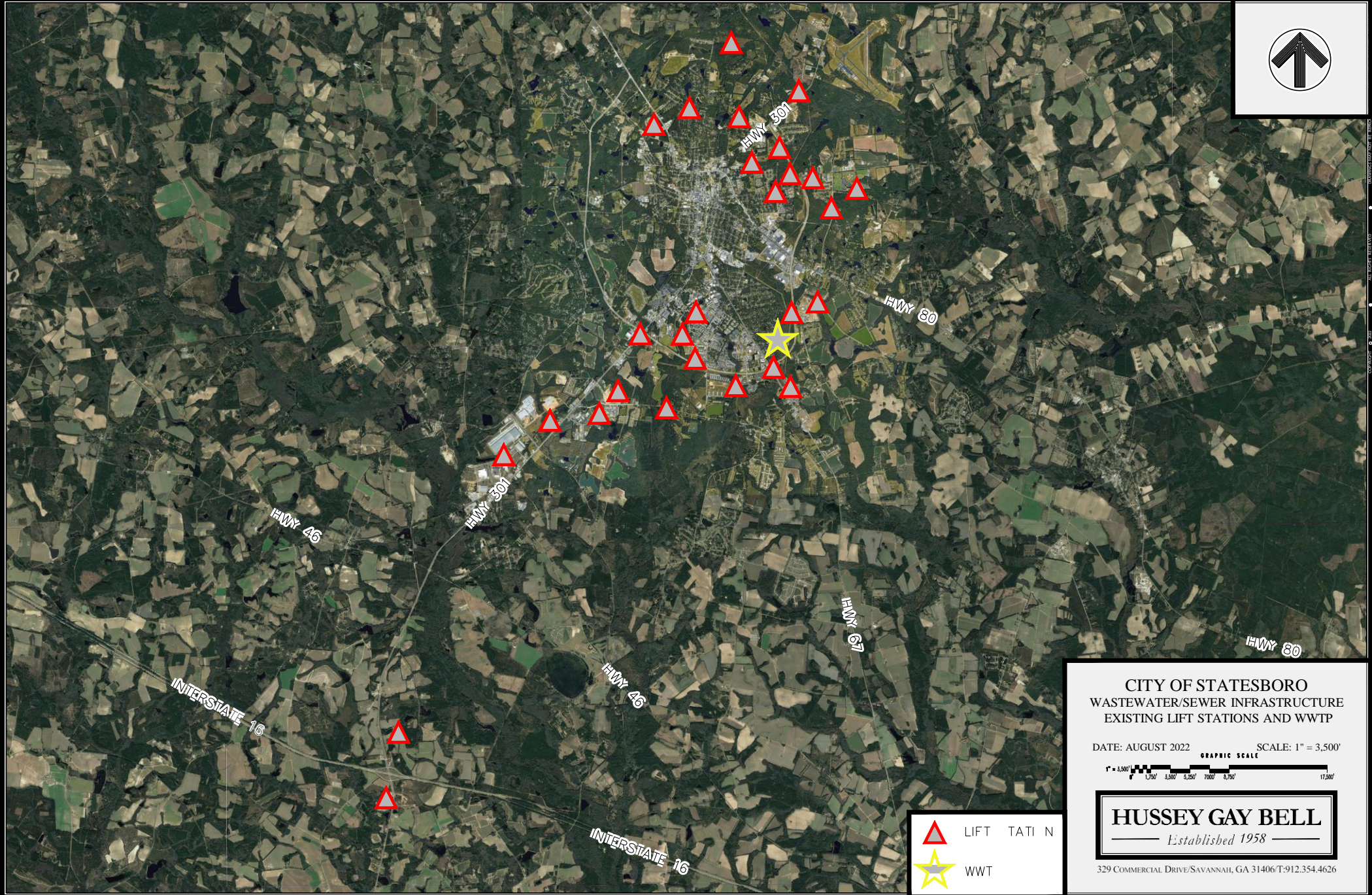
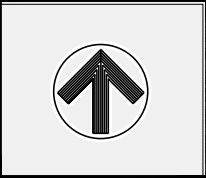
**CITY OF STATESBORO**  
WATER INFRASTRUCTURE  
EXISTING WELLS AND TANKS  
DATE: AUGUST 2022      SCALE: 1" = 3,500'

GRAPHIC SCALE  
1" = 3,500'    1,750'    3,500'    5,250'    7,000'    8,750'    11,500'

**HUSSEY GAY BELL**  
— Established 1958 —

329 COMMERCIAL DRIVE/SAVANNAH, GA 31406/T:912.354.4626

City of Statesboro Water and Sewer Improvement Master Program




-  LIFT TATI N
-  WWT

**CITY OF STATESBORO**  
WASTEWATER/SEWER INFRASTRUCTURE  
EXISTING LIFT STATIONS AND WWT

DATE: AUGUST 2022      SCALE: 1" = 3,500'

GRAPHIC SCALE



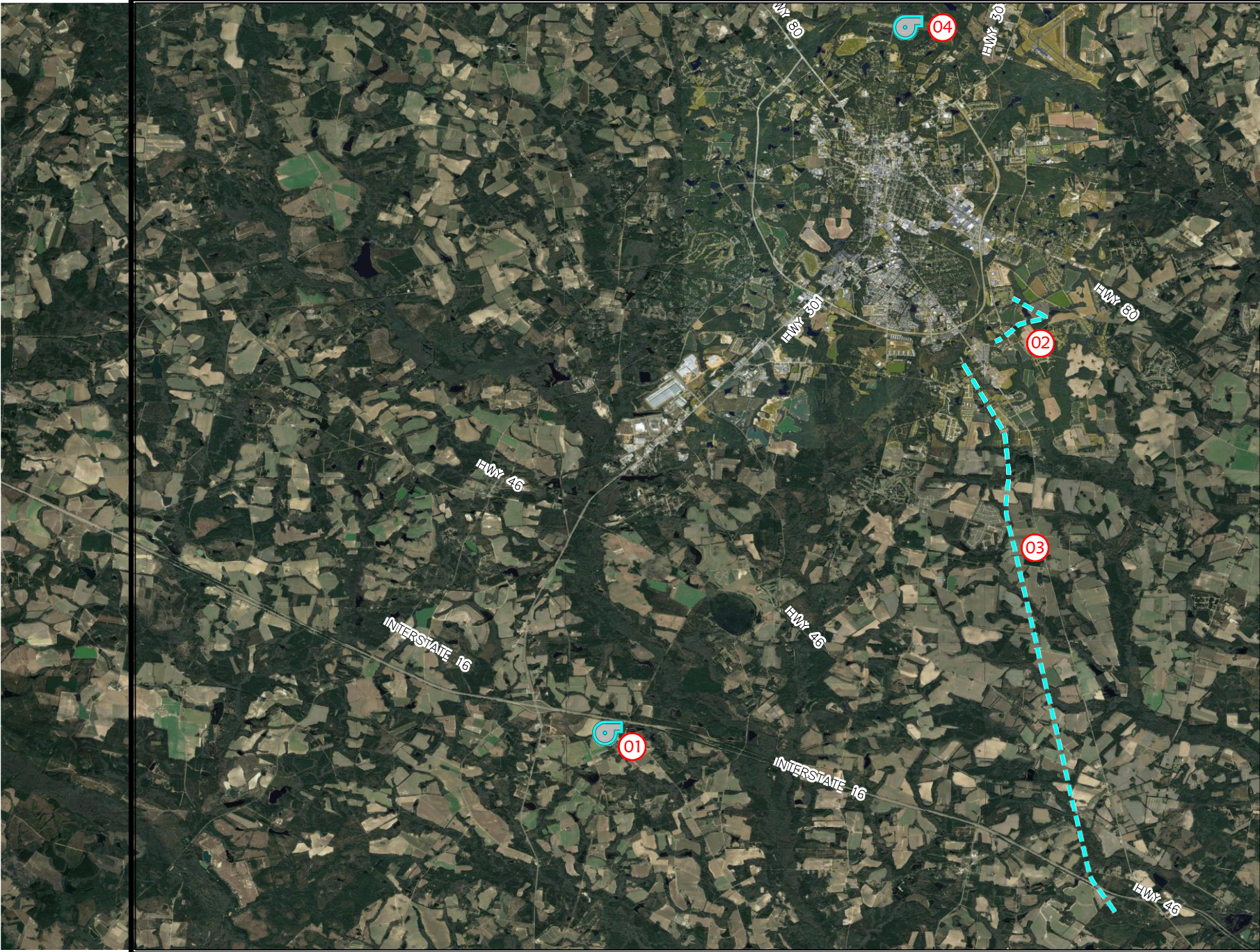
**HUSSEY GAY BELL**  
Established 1958

329 COMMERCIAL DRIVE/SAVANNAH, GA 31406/T:912.354.4626

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- 01** 301 SOUTH PRODUCTION WELL  
(IN PROGRESS)
  - 1,400 GPM GROUNDWATER PRODUCTION WELL
  - PRELIMINARY COST: \$1,000,000.00
- 02** BURKHALTER / S S RAILROAD BED ROAD EXTENSION
  - 12-INCH 9,200 LF WATER MAIN EXTENSION ON BURKHALTER RD FROM CAWANA RD TO S S RAILROAD BED RD
  - PRELIMINARY COST: \$1,550,000.00
- 03** HIGHWAY 67 WATER MAIN EXTENSION
  - 12-INCH 55,300 LF WATER MAIN EXTENSION PROVIDING SERVICE TO THE SOUTH OF INTERSTATE 16
  - PRELIMINARY COST: \$6,900,000.00
- 04** LAKEVIEW ROAD PRODUCTION WELL
  - 1,400 GPM GROUNDWATER PRODUCTION WELL
  - PRELIMINARY COST: \$1,000,000.00

**CITY OF STATESBORO**  
RECOMMENDED WATER  
INFRASTRUCTURE IMPROVEMENTS

DATE: AUGUST 2022      SCALE: 1" = 4,000'

GRAPHIC SCALE

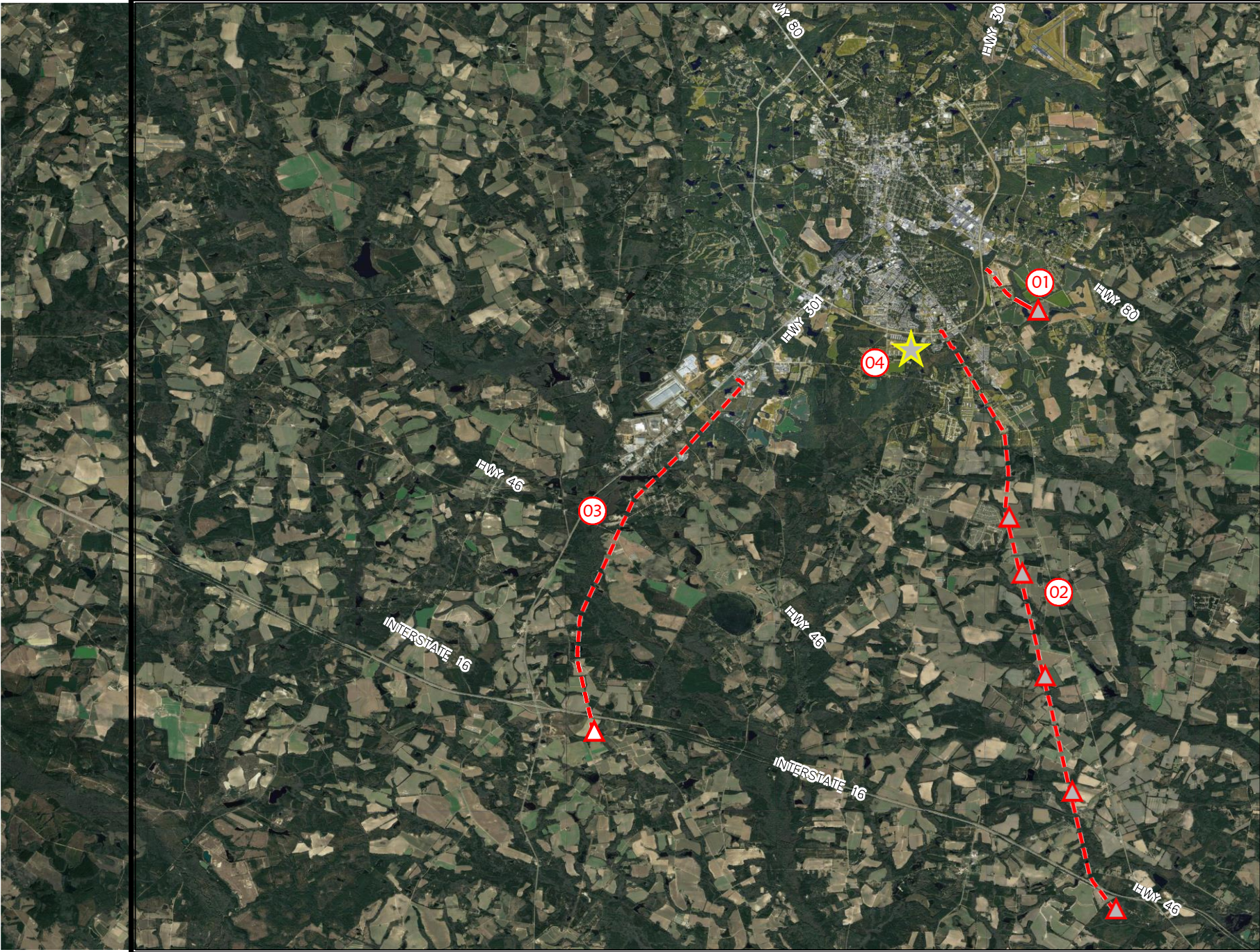
**HUSSEY GAY BELL**  
— Established 1958 —

1000 COMMERCIAL DRIVE/SAVANNAH, GA 31406/T:912.354.4626

City of Statesboro/Infrastructure and Water Improvement/2022/August



ALL RIGHTS RESERVED. DRAWING IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF HUSSEY GAY BELL.



- 01** S S RAILROAD BED ROAD SANITARY SEWER
  - 12-INCH 2,700 LF OF GRAVITY SANITARY SEWER, LIFT STATION, AND 12 INCH 6,700 LF SEWER FORCE MAIN CONNECTING PROPOSED LS TO CAWANA LS
  - PRELIMINARY COST: \$2,660,000.00
- 02** HIGHWAY 67 SANITARY SEWER EXTENSION
  - 12-INCH 59,400 LF SEWER FORCE MAIN EXTENSION ACCOMPANIED BY 6 LIFT STATIONS PROVIDING SERVICE TO THE SOUTH OF INTERSTATE 16
  - FORCE MAIN SHALL BE ROUTED TO DISCHARGE AT BIRDS BOND LIFT STATION
  - PRELIMINARY COST: \$15,500,000.00
- 03** 301 SOUTH 12-INCH PARALLEL FORCE MAIN
  - 12-INCH 39,900 LF SANITARY SEWER FORCE MAIN AND TWO LIFT STATIONS
  - PRELIMINARY COST: \$6,700,000.00
- 04** BIRDS POND PACKAGE TREATMENT PLANT
  - 3MG WASTEWATER TREATMENT PLANT REPLACING BIRDS POND LIFT STATION
  - PRELIMINARY COST: \$30,000,000.00

**CITY OF STATESBORO**  
 RECOMMENDED SEWER/  
 WASTEWATER TREATMENT  
 PLANT IMPROVEMENTS

DATE: AUGUST 2022      SCALE: 1" = 4,000'



1000 COMMERCIAL DRIVE/SAVANNAH, GA 31406/T:912.354.4626

City of Statesboro/Statesboro Sewer and Wastewater Improvement Study August 2022



# Natural Gas Infrastructure

- Existing 6" HP Main
- Existing 4" HP Main
- Existing 8" HP Main

**EXISTING CONDITIONS**

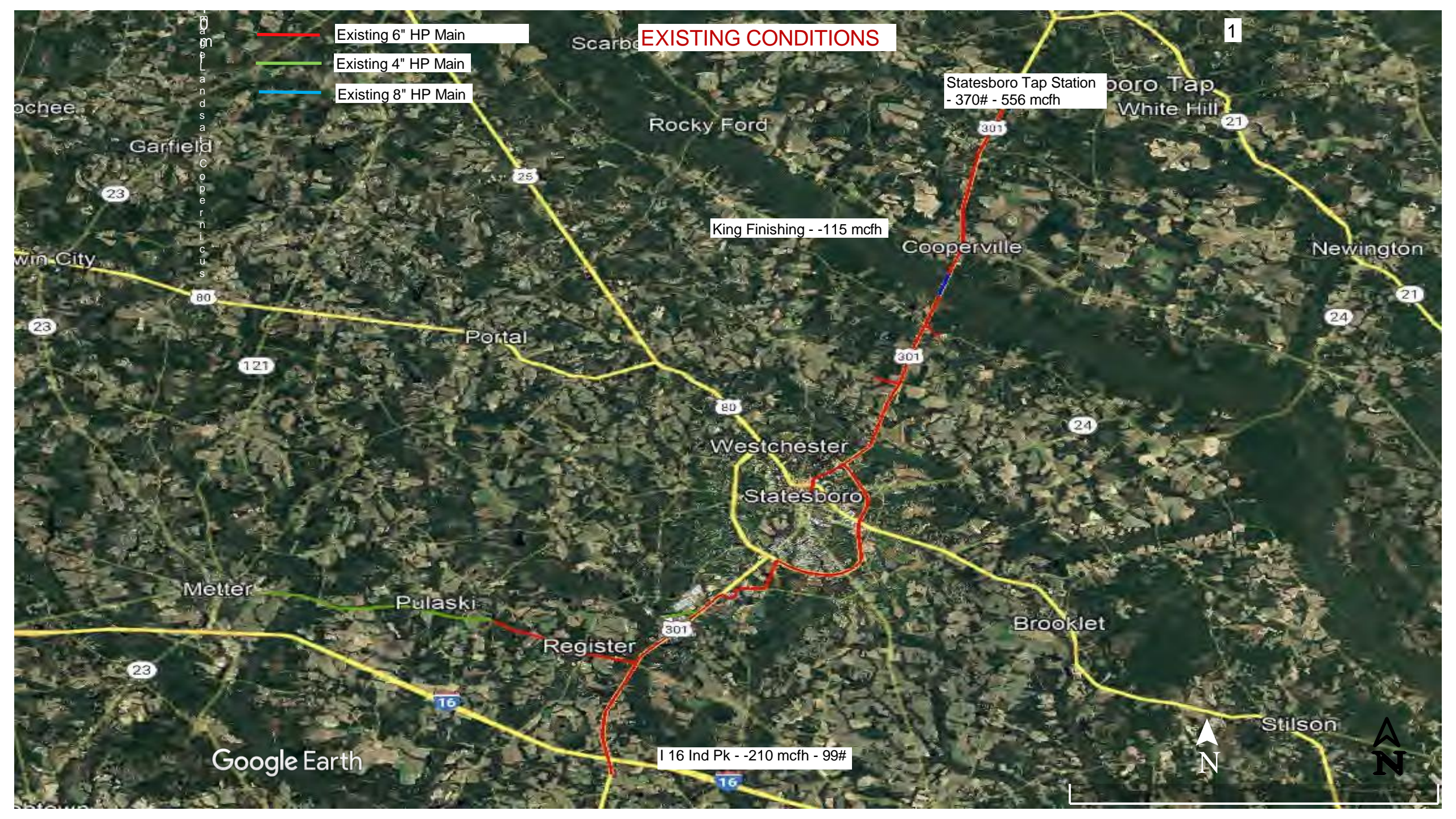
1

Statesboro Tap Station  
- 370# - 556 mcfh

King Finishing - -115 mcfh

I 16 Ind Pk - -210 mcfh - 99#

Google Earth





- Existing 6" HP Main
- Existing 4" HP Main
- Existing 8" HP Main
- Parallel with 8" 500# HP

**PHASE 1**  
 King -115mcfh off Old 6"  
 PARALLEL EXISTING  
 WITH 8" NEW TAP TO  
 RIVER

Statesboro Tap Station  
 - 370# - Old 6" 125mcfh

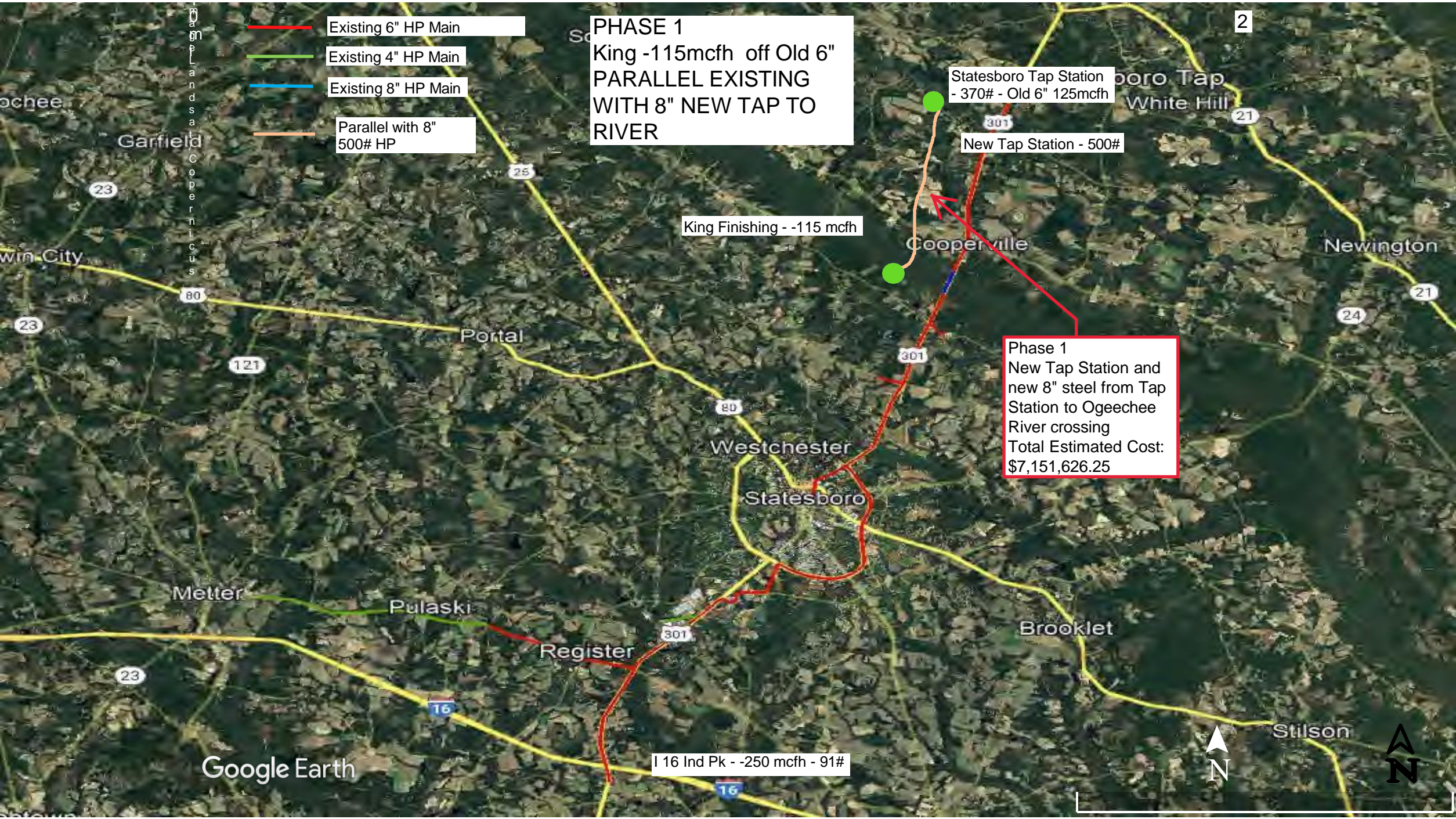
New Tap Station - 500#

King Finishing - -115 mcfh

Phase 1  
 New Tap Station and  
 new 8" steel from Tap  
 Station to Ogeechee  
 River crossing  
 Total Estimated Cost:  
 \$7,151,626.25

I 16 Ind Pk - -250 mcfh - 91#

Google Earth



- Existing 6" HP Main
- Existing 4" HP Main
- Existing 8" HP Main
- Parallel with 8" 500# HP

**PHASE 2**  
 King -115mcfh off Old 6"  
 PARALLEL EXISTING  
 WITH 8" NEW TAP TO  
 RANDY LOWERY RD

Statesboro Tap Station  
 - 370# - Old 6" 125mcfh

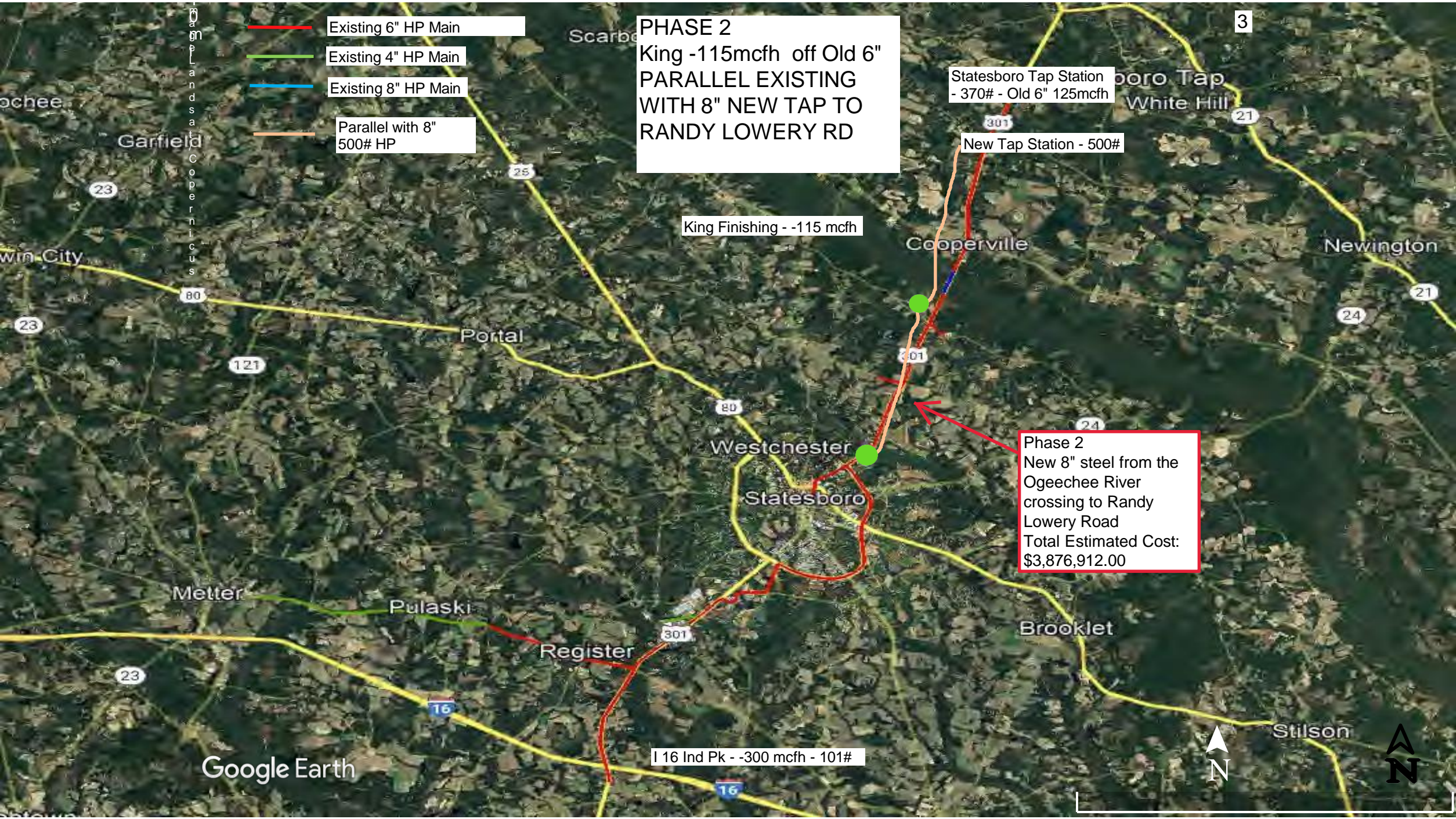
New Tap Station - 500#

King Finishing - -115 mcfh

Phase 2  
 New 8" steel from the  
 Ogeechee River  
 crossing to Randy  
 Lowery Road  
 Total Estimated Cost:  
 \$3,876,912.00

I 16 Ind Pk - -300 mcfh - 101#

Google Earth



- Existing 6" HP Main
- Existing 4" HP Main
- Existing 8" HP Main
- Parallel with 8" 500# HP

**PHASE 3**  
 King -115mcfh off Old 6"  
 PARALLEL EXISTING  
 WITH 8" NEW TAP TO  
 OLD REGISTER RD

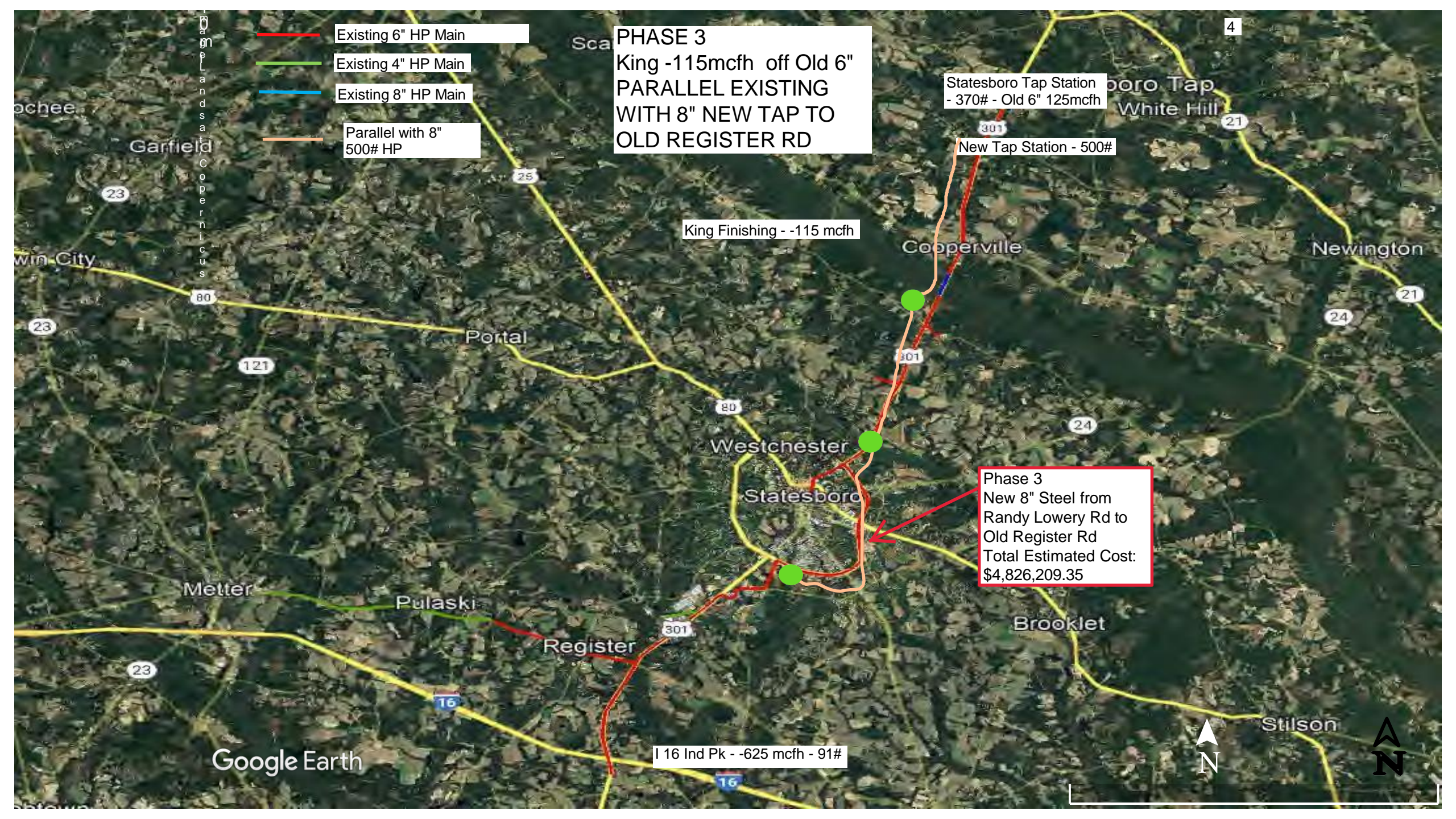
Statesboro Tap Station  
 - 370# - Old 6" 125mcfh

New Tap Station - 500#

King Finishing - -115 mcfh

Phase 3  
 New 8" Steel from  
 Randy Lowery Rd to  
 Old Register Rd  
 Total Estimated Cost:  
 \$4,826,209.35

I 16 Ind Pk - -625 mcfh - 91#



- Existing 6" HP Main
- Existing 4" HP Main
- Existing 8" HP Main
- Parallel with 8" 500# HP

**FULL HIGH PRESSURE SYSTEM UPGRADE**  
 King -115mcfh off Old 6"  
 PARALLEL EXISTING  
 WITH 8" NEW TAP TO  
 OLD REGISTER RD

Statesboro Tap Station  
 - 370# - Old 6" 125mcfh

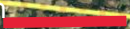


New Tap Station - 500#

King Finishing - -115 mcfh

Full upgrade including new Tap Station and new 8" Steel main from Tap Station to Old Register Road  
 Total Estimated Cost:  
 \$15,100,031.60

I 16 Ind Pk - -625 mcfh - 91#



-  Existing 6" HP Main
-  Existing 4" HP Main
-  Proposed 8" HP Main

**NEW TAP AND 8" HIGH PRESSURE MAIN FROM KINDER MORGAN CYPRESS LINE TO EXISTING 6" HIGH PRESSURE MAIN AT INTERSECTION OF HWY 46 AND HWY 301 SOUTH**

New Tap Station and 8" Tap Line from Kinder Morgan Cypress Line to existing 6" main at Hwy 46 and 301 South intersection  
 Total Estimated Cost \$22,707,048.95

Proposed new 8" Statesboro Tap Line (orange)

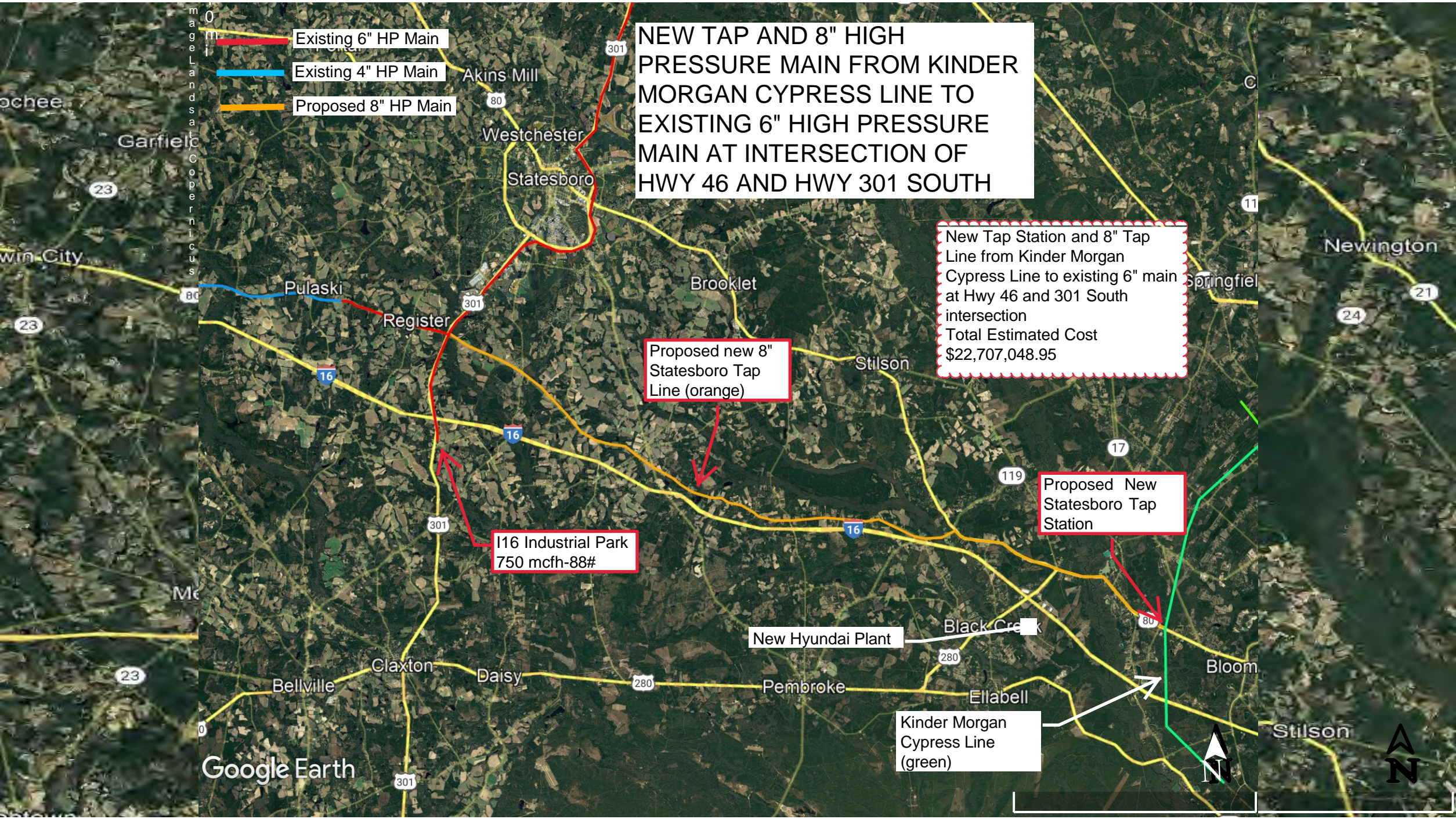
I16 Industrial Park  
 750 mcfh-88#

Proposed New Statesboro Tap Station

New Hyundai Plant

Kinder Morgan Cypress Line (green)

Google Earth





# Cost Estimate For Water, Wastewater & Natural Gas Infrastructure Improvements



### **Projected Water Improvement Costs**

1. 301 South Production	\$1,000,000.00
2. Burkhalter/SS Railroad Bed Rd. Extension	\$1,500,000.00
3. HWY 67 Main Extension	\$6,900,000.00
4. Lakeview Rd. Production Well	\$1,000,000.00
<b>Total Water Cost</b>	<b>\$10,400,000.00</b>

### **Projected Sewer Improvement Costs**

1. SS Railroad Bed Rd. Sanitary Sewer	\$2,660,000.00
2. HWY 67 Sanitary Sewer Extension	\$15,500,000.00
3. 301 South 12-Inch Parallel Force Main	\$6,700,000.00
4. Birds Pond Package Treatment Plant	\$30,000,000.00
<b>Total Sewer Cost</b>	<b>\$54,860,000.00</b>

### **Projected Natural Gas Costs**

Phase 1	\$7,151,626.24	
Phase 2	\$3,876,912.00	
Phase 3	\$4,826,209.35	
<b>Total Cost for All Phases</b>		<b>\$15,100,031.60 (combined single project cost)</b>
<b>Alternate Route Plan</b>		<b>\$22,808,048.95</b>

**Total Projected Utility Costs: \$80,360,031**



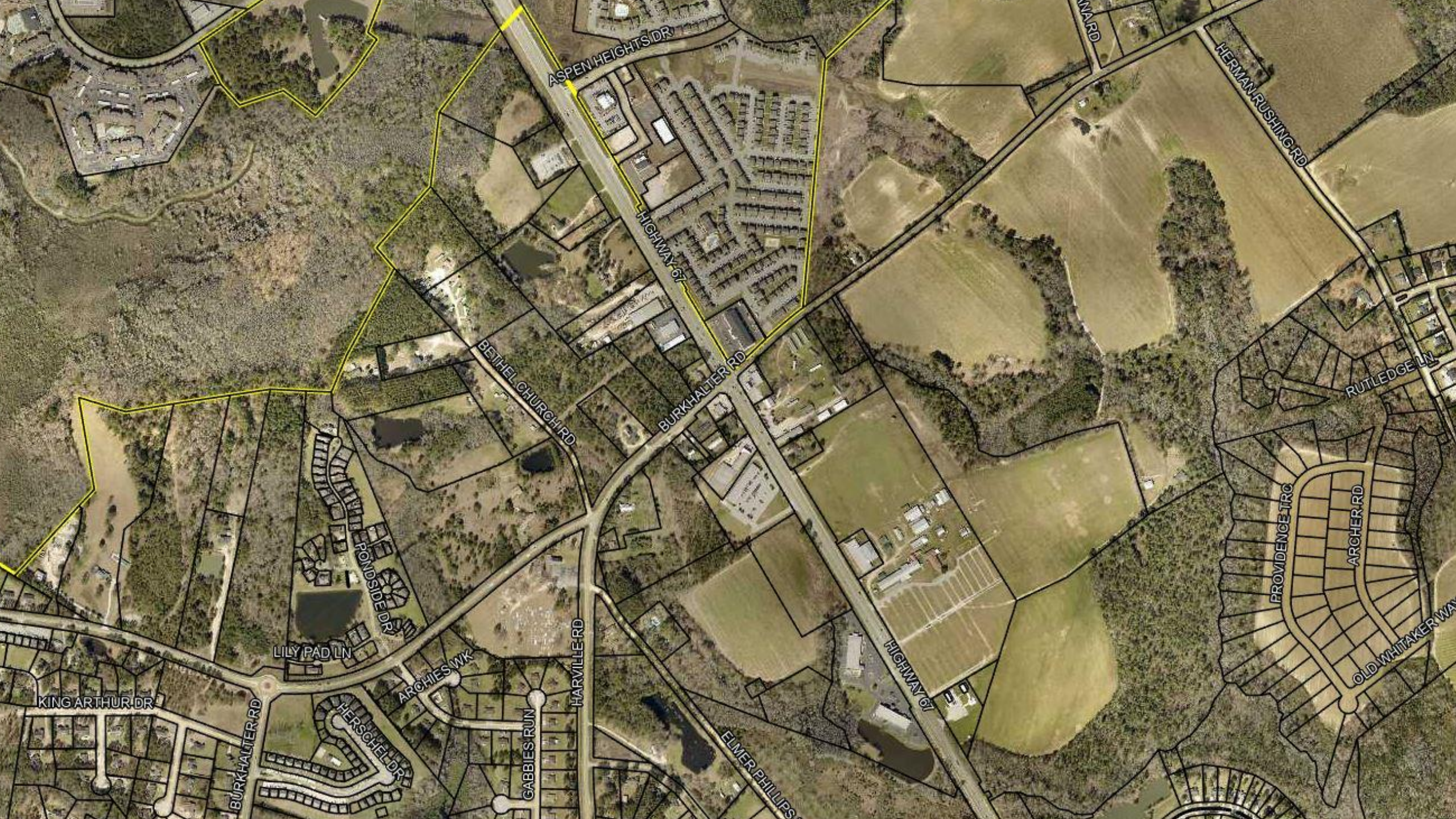
## Infrastructure Next Steps

- No decision is needed today; however, more staff and consultant work is needed.
- Prioritize the Infrastructure needs;
- Follow-up with additional analysis in 90 days.
- Recommend a follow up joint work session with Bulloch County Commissioners to discuss further growth and infrastructure plans.
- Prepare a financial plan to fund infrastructure.
- Conduct a rate analysis to handle debt payments.





# Existing Transportation Infrastructure



ASPEN HEIGHTS DR

HIGHWAY 67

BETHEL CHURCH RD

BURKHALTER RD

HERMAN RUSHING RD

RUTLEDGE LN

PONDSIDE DR

LILY PAD LN

ARCHIES WK

HARVILLE RD

HIGHWAY 67

PROVIDENCE TRC

ARCHER RD

OLD WHITAKER WAY

KING ARTHUR DR

BURKHALTER RD

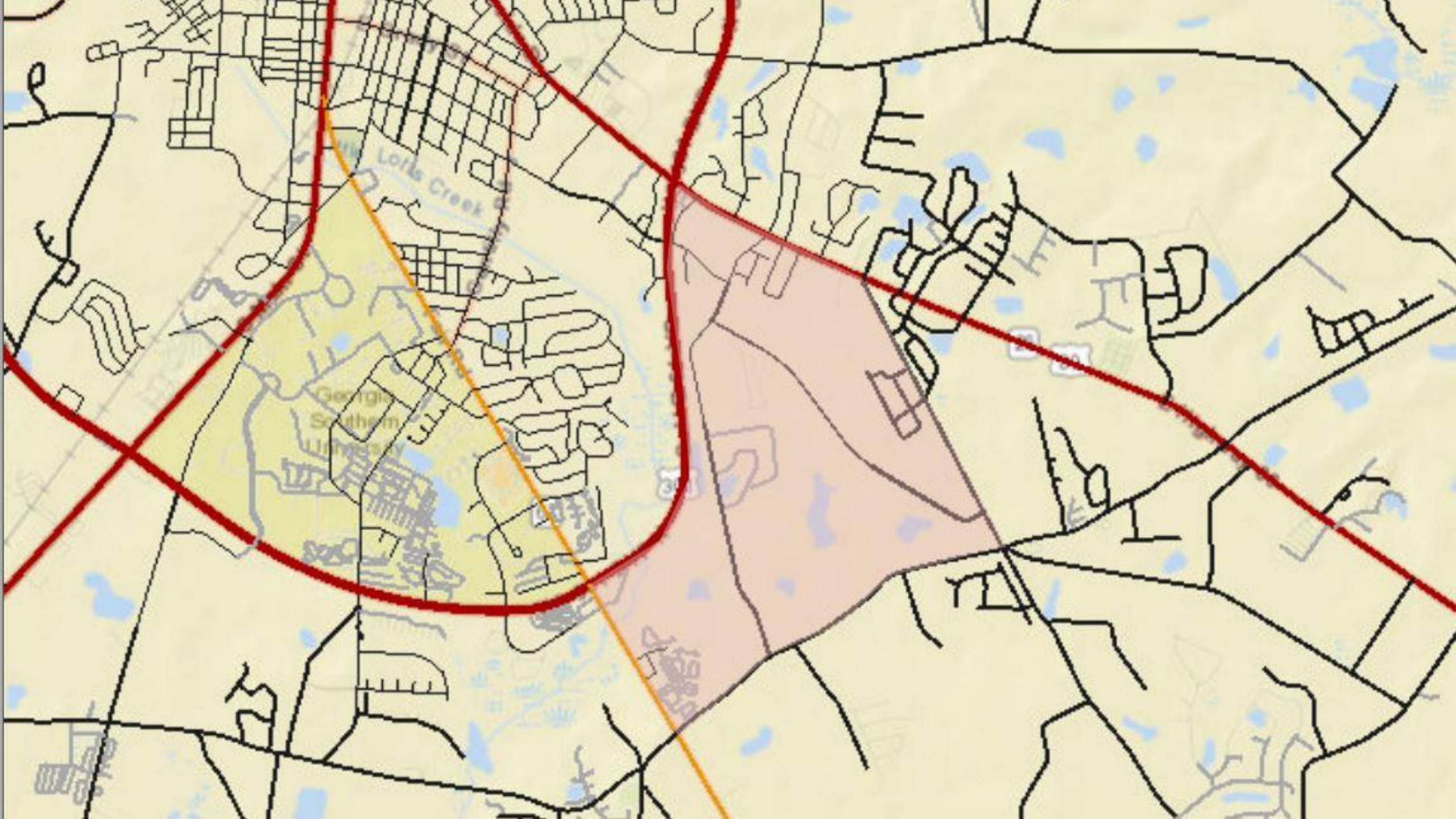
HERSCHEL DR

GABBIES RUN

ELMER PHILLIPS



# Anticipated Growth Area





**Questions?**