

Downtown/UL/ Freetown Drainage Meeting

September 9, 2025
Lafayette Public Library



Lafayette
CONSOLIDATED GOVERNMENT

Welcome & Opening Remarks..... Mayor-President Monique B. Boulet

Recent Storm Events..... Brian Smith, LCG Drainage Director
Warren Abadie, LCG Public Works Director

Johnston Street Opportunity..... Jimmy Ricks, Southeast Engineers
& Land Surveyors

Timing & Long-Term Strategies..... Rachel Godeaux, CAO
+ South Gravity Sewer Lift Station Update..... Jeff Stewart, LUS Director

Community Input & Engagement..... Jamie Boudreaux, LCG Communications

Closing Remarks..... Mayor-President Monique B. Boulet

Lafayette Mayor-President Monique B. Boulet

Recent Storm Events

Brian Smith, LCG Drainage Director
Warren Abadie, LCG Public Works Director

Flash floods **ARE**

- **Sudden and intense**, triggered by heavy rainfall in minutes or hours
- **Fast-moving and dangerous**—can sweep away vehicles
- Not limited to rivers or bayous—can **occur almost anywhere**
- Capable of damaging homes and endangering lives
- A reminder why staying informed and prepared matters

Flash floods **ARE NOT**

- Predictable days in advance like hurricanes
- Limited to flood zones—they can happen in urban areas
- Slow or gradual—reaction time is limited
- Something to underestimate—*just 6" of moving water can knock over an adult*



A Look at Recent Storm Events

Event Date	Total Rainfall	Total Duration
Thursday, April 24, 2025	7"	3 hours
Wednesday, May 7, 2025	4-5"	24 hours
Friday, May 9, 2025	3.5"	6 hours
Friday, June 13, 2025	5"	3 hours

43.12"
2025 Rainfall Totals

vs.

27.10"
Normal Average

**Sourced by KATC*

PER JUNE 17 COUNCIL PRESENTATION

How LCG Teams Mobilize for Major Weather Events

- ✓ **Monitor weather** with OHSEP & Parish partners
- ✓ **Check** pump station locations
- ✓ **Stage** crews at strategic locations around Lafayette
- ✓ **Monitor** known areas with drainage issues for blockages
- ✓ Place crews on **standby** afterhours as needed
- ✓ **Pre-stage** barricades in flood prone areas
- ✓ **Monitor** sand bagging locations (2 Open 24/7)
- ✓ **Maintain contact** with NWS for forecast predictions
- ✓ Issue **Situational Updates** to Elected Officials and LCG
- ✓ Crews **respond** to all storm related calls immediately
- ✓ **Track service requests** for future evaluation



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1940-A stalled automobile had to be pushed during the 1940 flood in downtown Lafayette. Callier's Bar on Jefferson Street can be seen in the background.

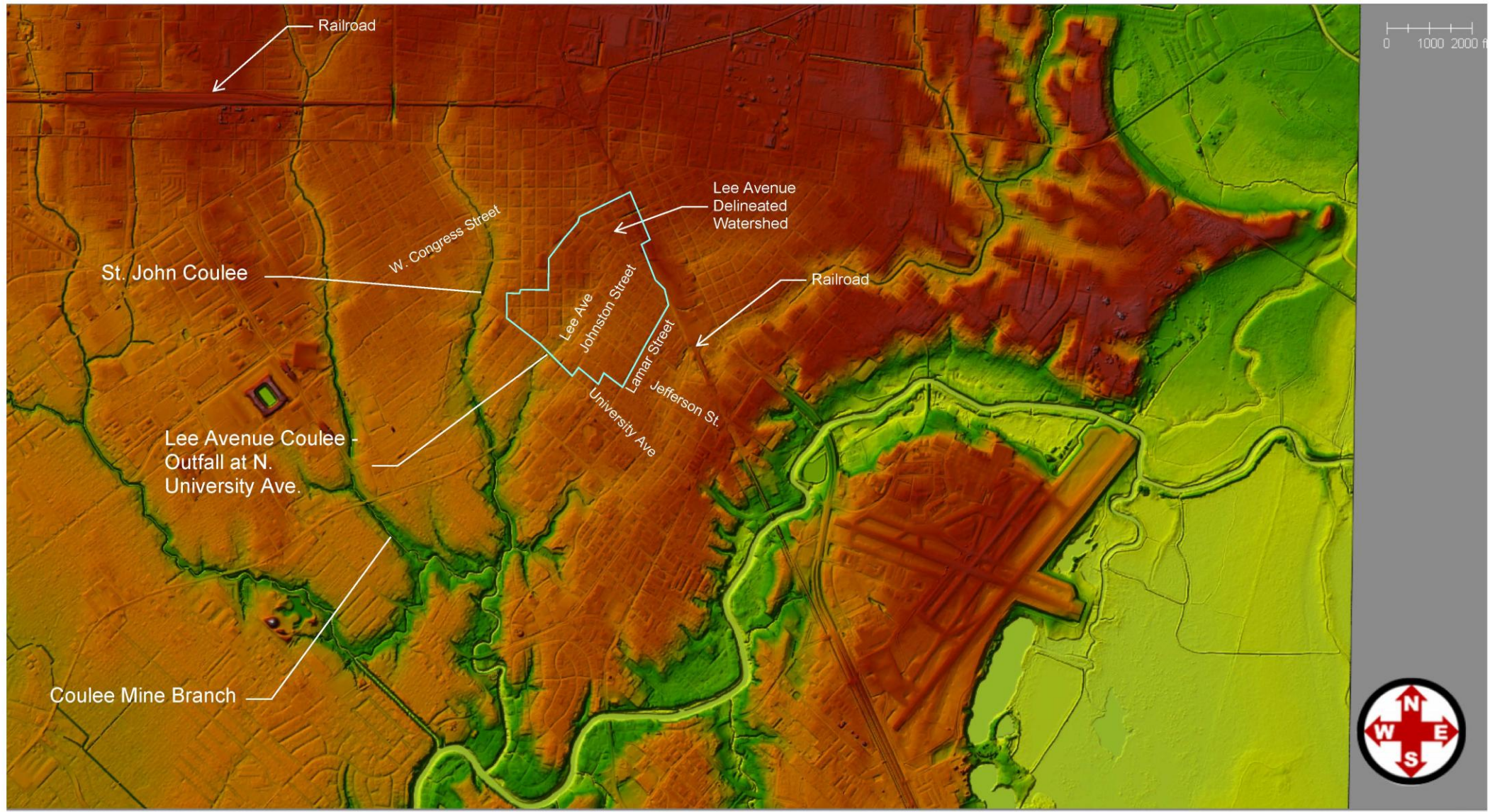


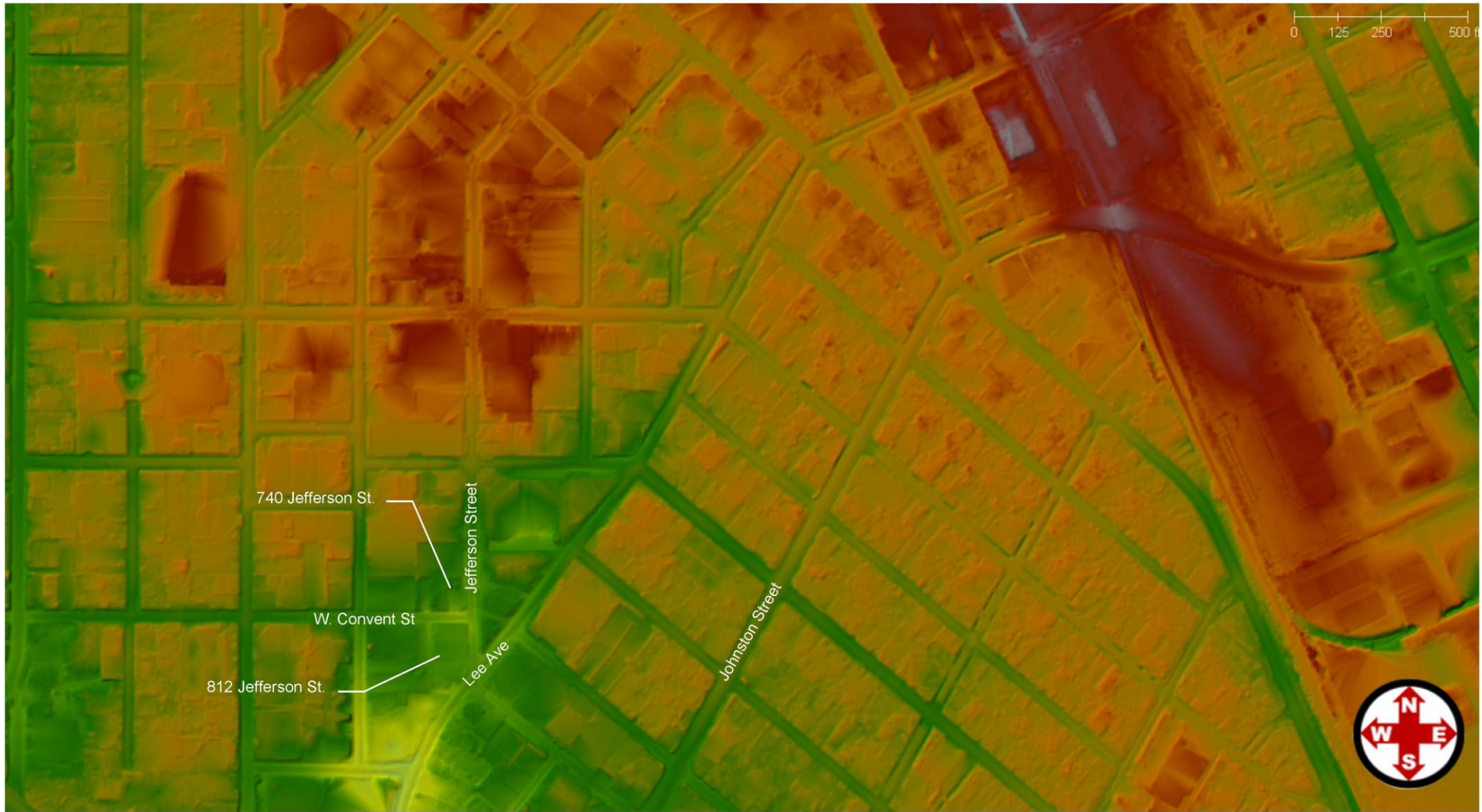
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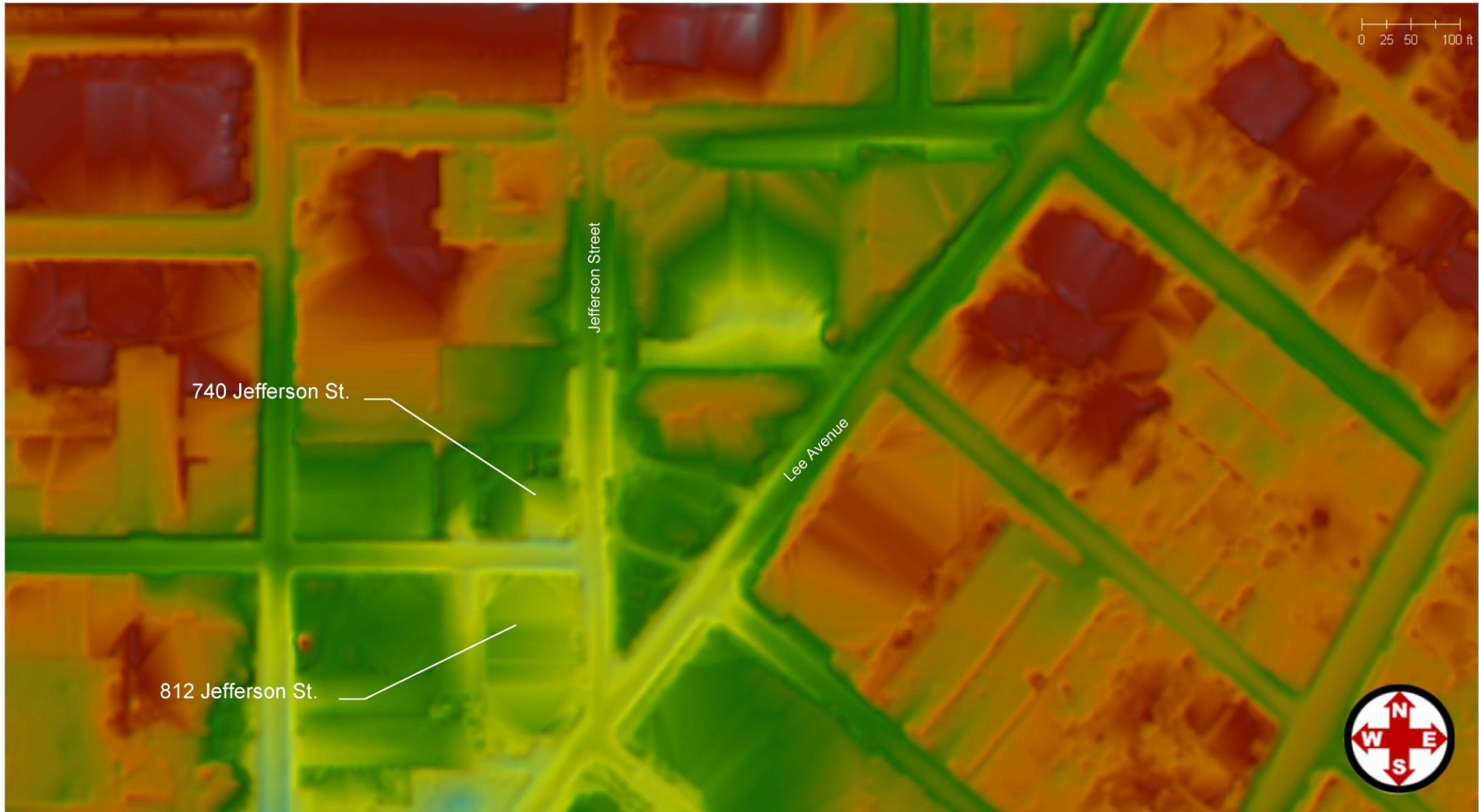
Jefferson Street during the flood of 1940



James J. “Jimmy” Ricks, P.E.
Principal







LEE AVE OUTFALL

AREA = ±232 ACRES

$Q_{10} = 577$ cfs

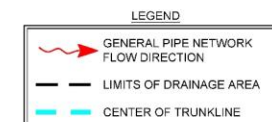
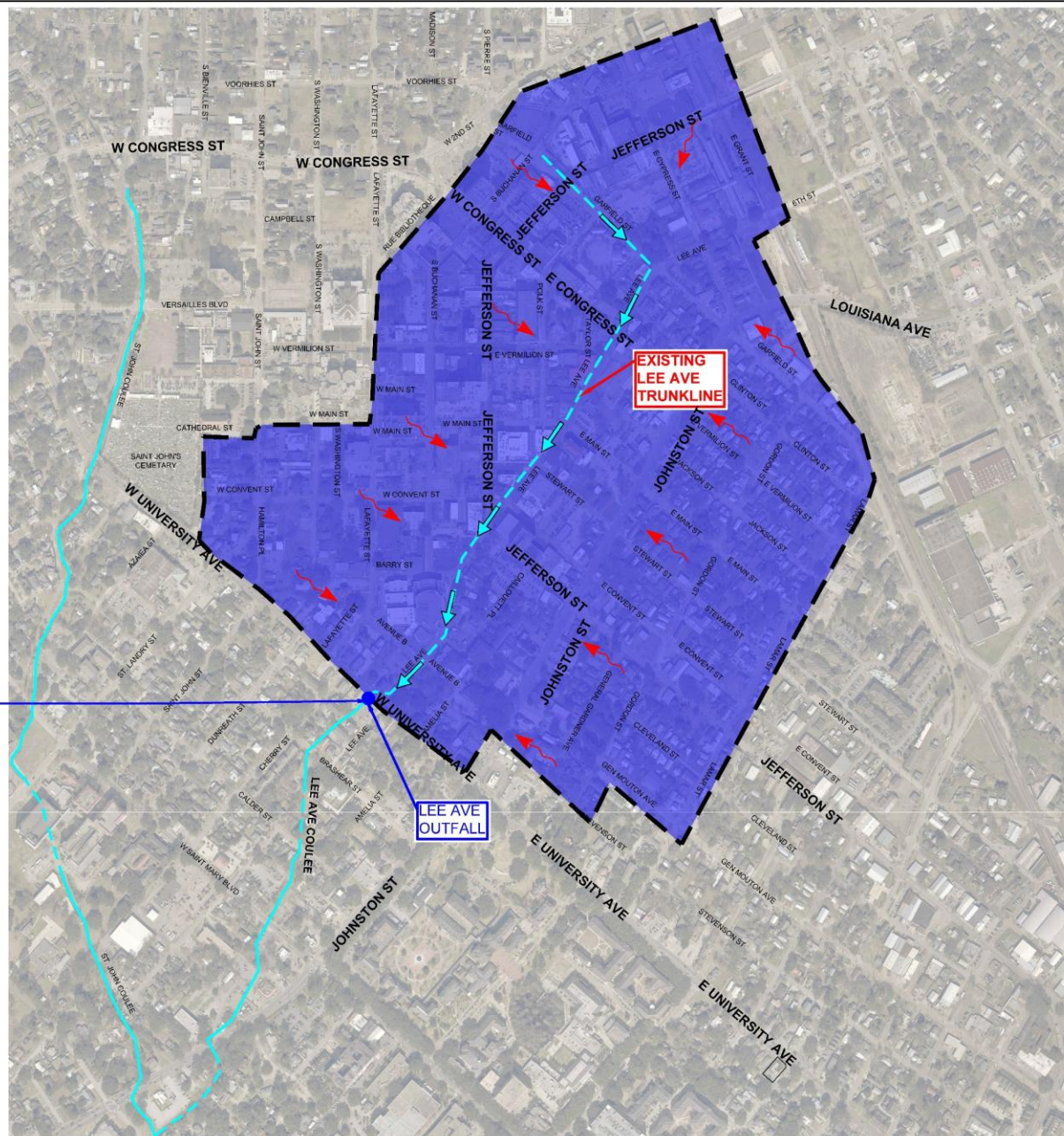
372% OF EXISTING CAPACITY

**PRELIMINARY
EXHIBIT FOR PLANNING
PURPOSES ONLY
NOT FOR CONSTRUCTION**

ENGINEER: JAMES J. DICKS, P.E.
LICENSE NUMBER: 32297

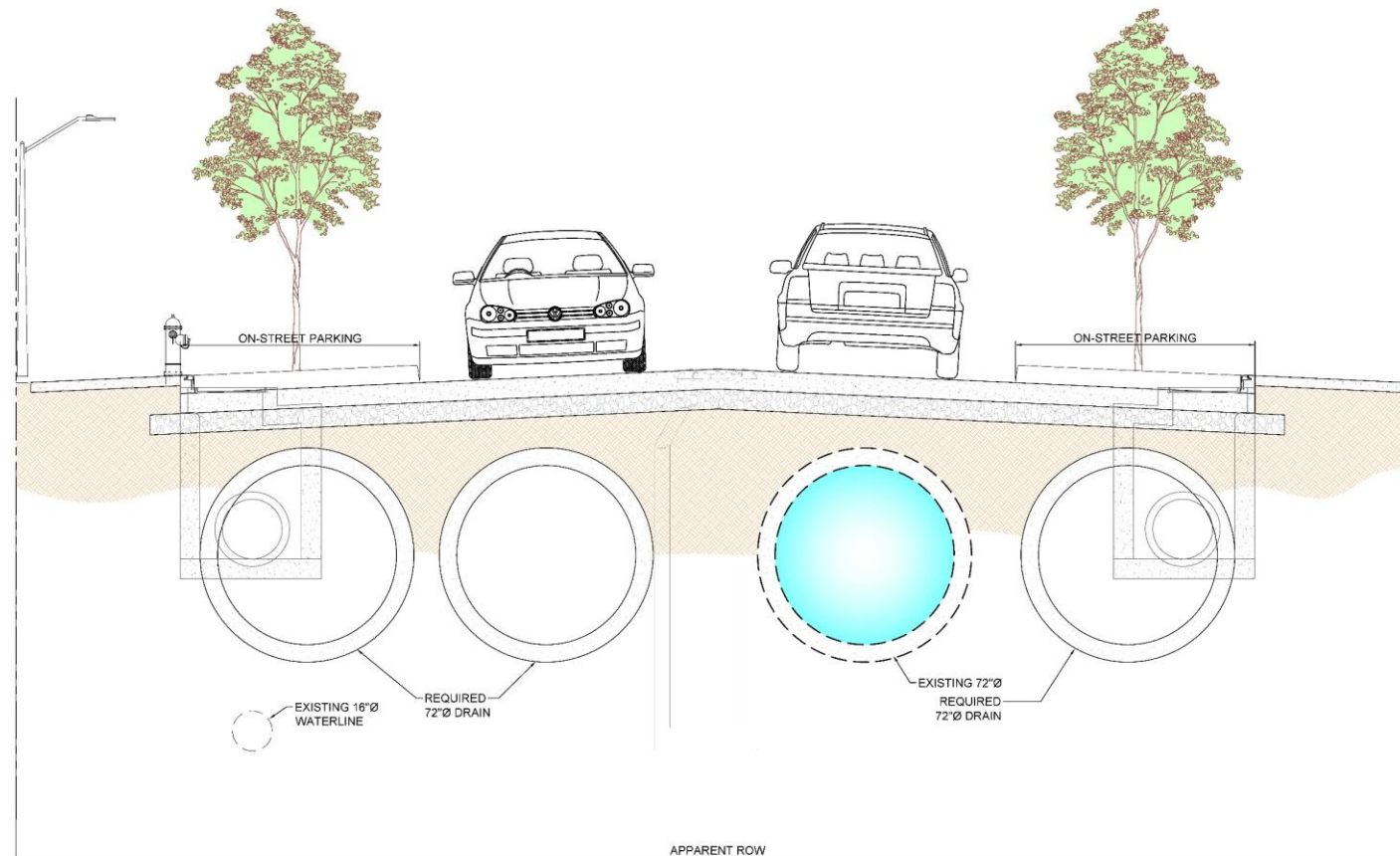


DOWNTOWN, FREETOWN & CAMPUS DRAINAGE IMPROVEMENTS



EXISTING WATERSHED DELINEATION
LEE AVE @ UNIVERSITY AVE
SEPTEMBER 2025





4- 72"Ø APPROXIMATE DRAIN SIZE REQUIRED
TO CONVEY RUNOFF GENERATED FROM
WATERSHED

TYPICAL SECTION
SCALE: 1"=2'

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REVISED LEE AVE OUTFALL

AREA = ±148.0 ACRES

$Q_{10} = 391$ cfs
252% OF EXISTING CAPACITY

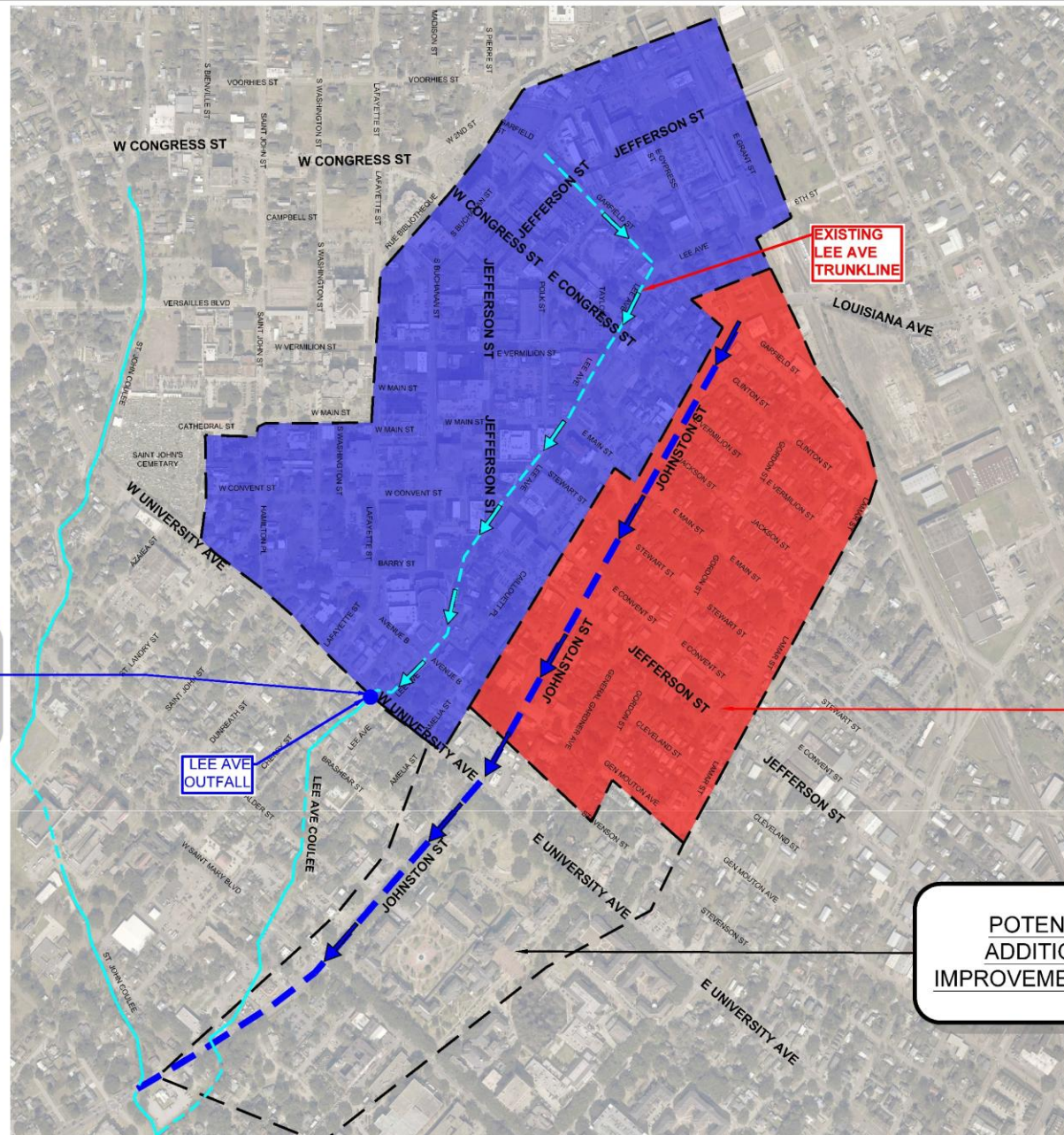
LEE AVE
OUTFALL

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DOWNTOWN, FREETOWN & CAMPUS DRAINAGE IMPROVEMENTS



EXISTING
LEE AVE
TRUNKLINE

**JOHNSTON ST
INTERCEPT AREA
AREA = ±84 ACRES**

**POTENTIAL
ADDITIONAL
IMPROVEMENT AREA**

LEGEND

- TRUNKLINE FLOW DIRECTION
- REROUTED SUB-CATCHMENT
- LIMITS OF DRAINAGE AREA
- CENTER OF TRUNKLINE

0 150 300 600



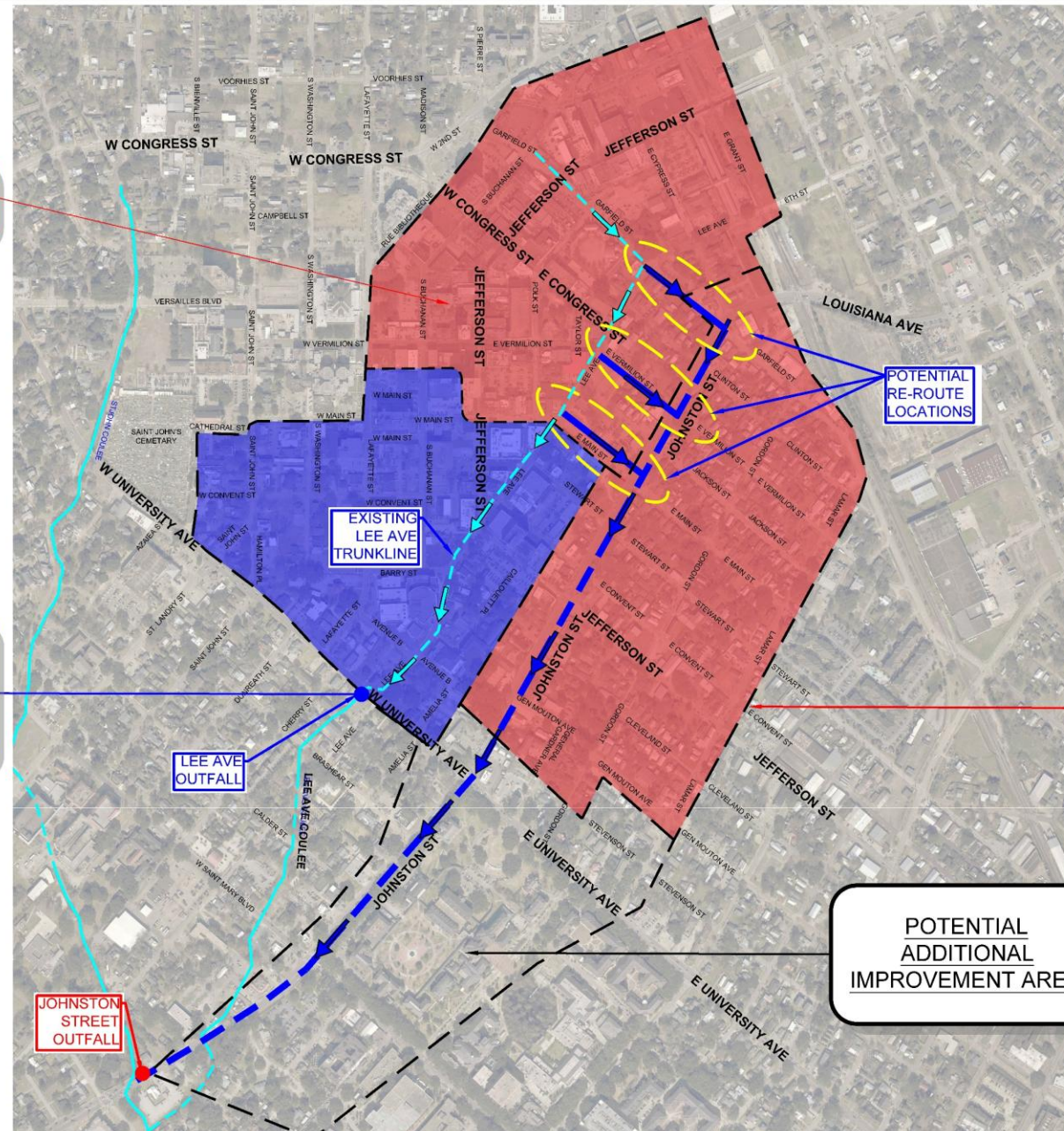
**JOHNSTON ST BYPASS
INTERCEPT AREA
SEPTEMBER 2025**

RE-ROUTE WATERSHED:
AREA = ±82 ACRES

LEE AVE OUTFALL
AREA = ±66 ACRES
 $Q_{10} = 169 \text{ cfs}$
109% OF EXISTING CAPACITY
<30% OF ORIGINAL WATERSHED

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**POTENTIAL
RE-ROUTE
LOCATIONS**

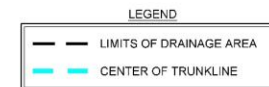
**EXISTING
LEE AVE
TRUNKLINE**

**LEE AVE
OUTFALL**

**JOHNSTON
STREET
OUTFALL**

**JOHNSTON ST
INTERCEPT AREA**
AREA = ±84 ACRES

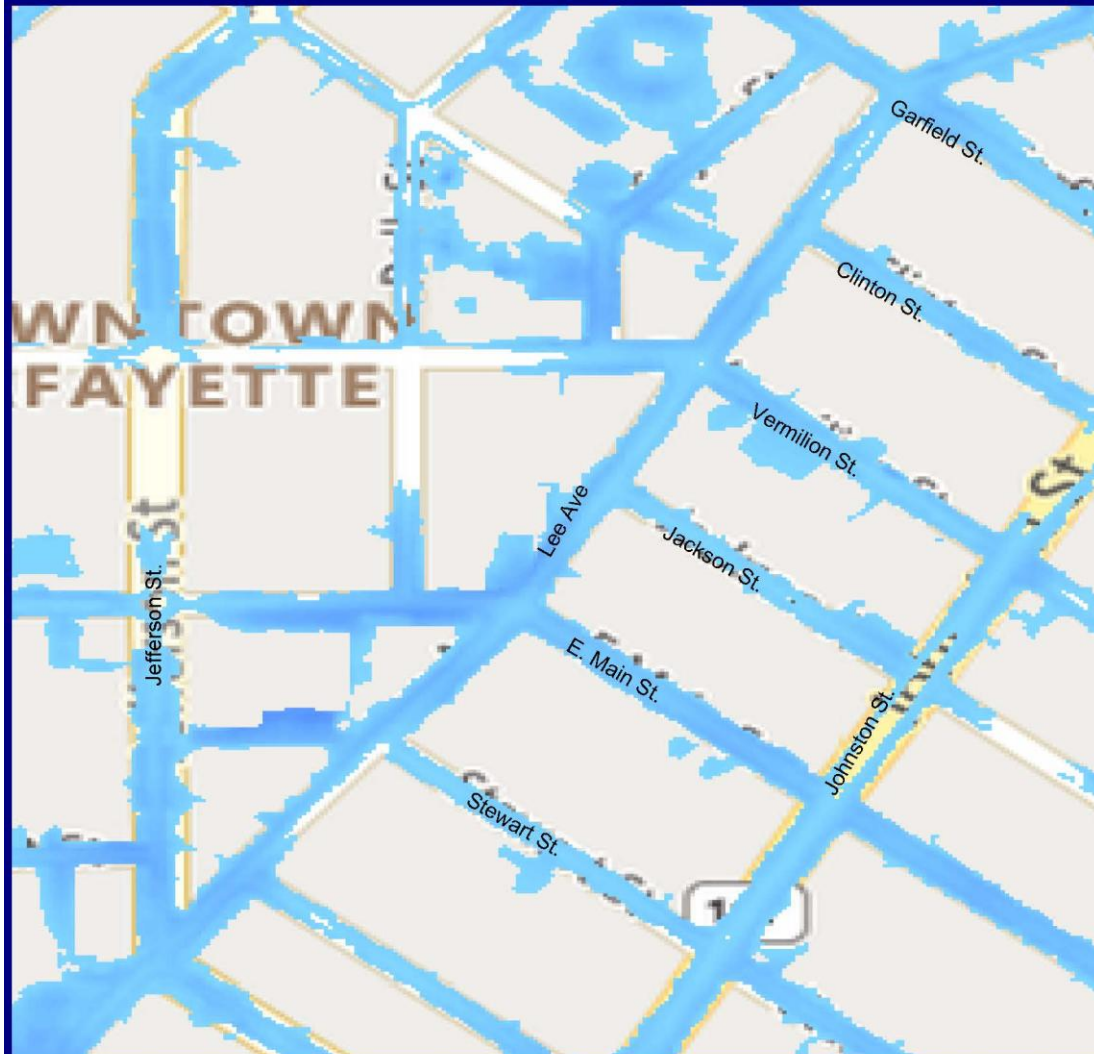
**POTENTIAL
ADDITIONAL
IMPROVEMENT AREA**



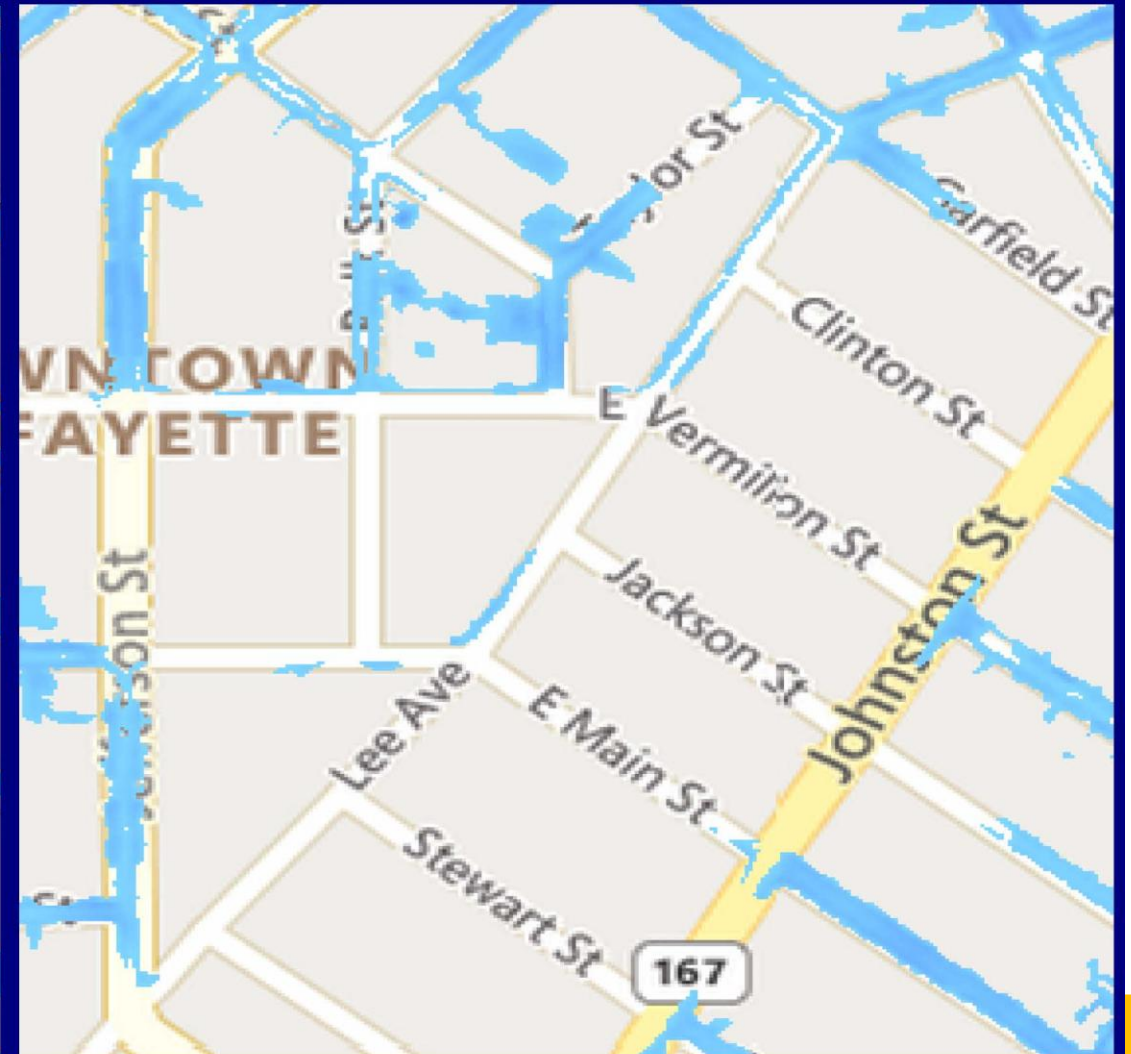
DOWNTOWN, FREETOWN & CAMPUS DRAINAGE IMPROVEMENTS

**INTERCEPT & RE-ROUTE OPTION
FOR JOHNSTON STREET BYPASS**
SEPTEMBER 2025

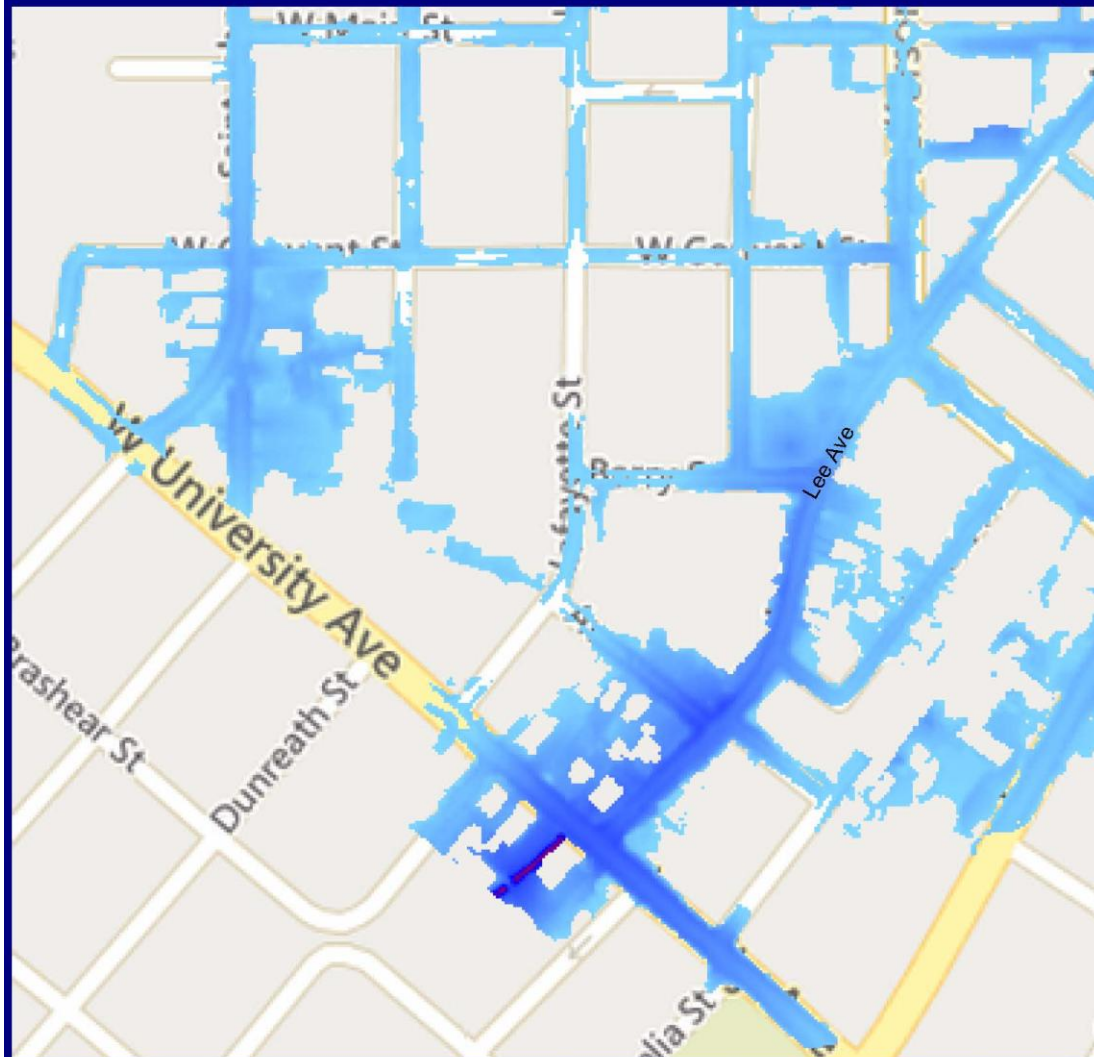
**Pre-Improvements
Modeled Inundation Map**



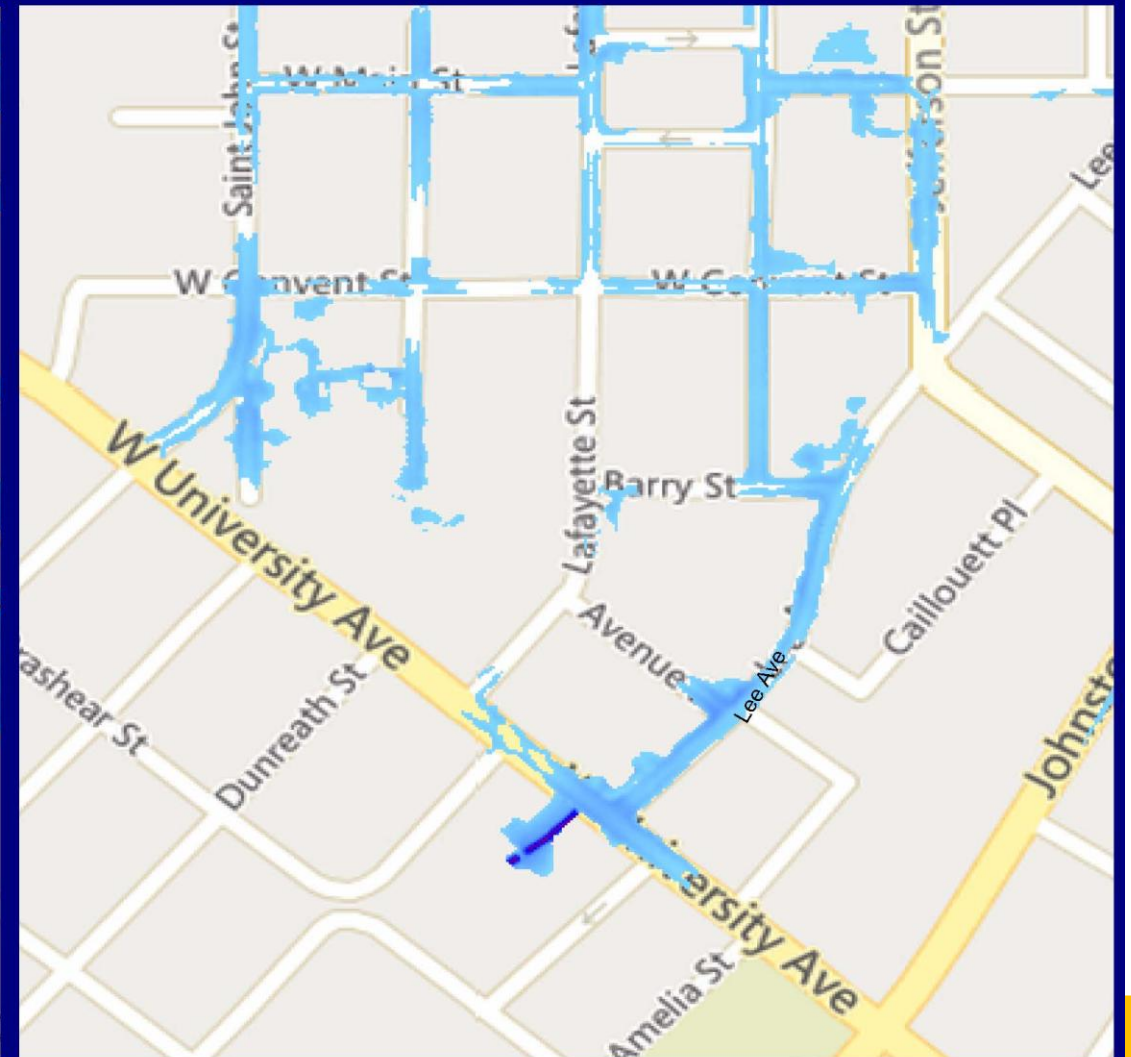
**Post-Improvements
Preliminary Modeled
Inundation Map**

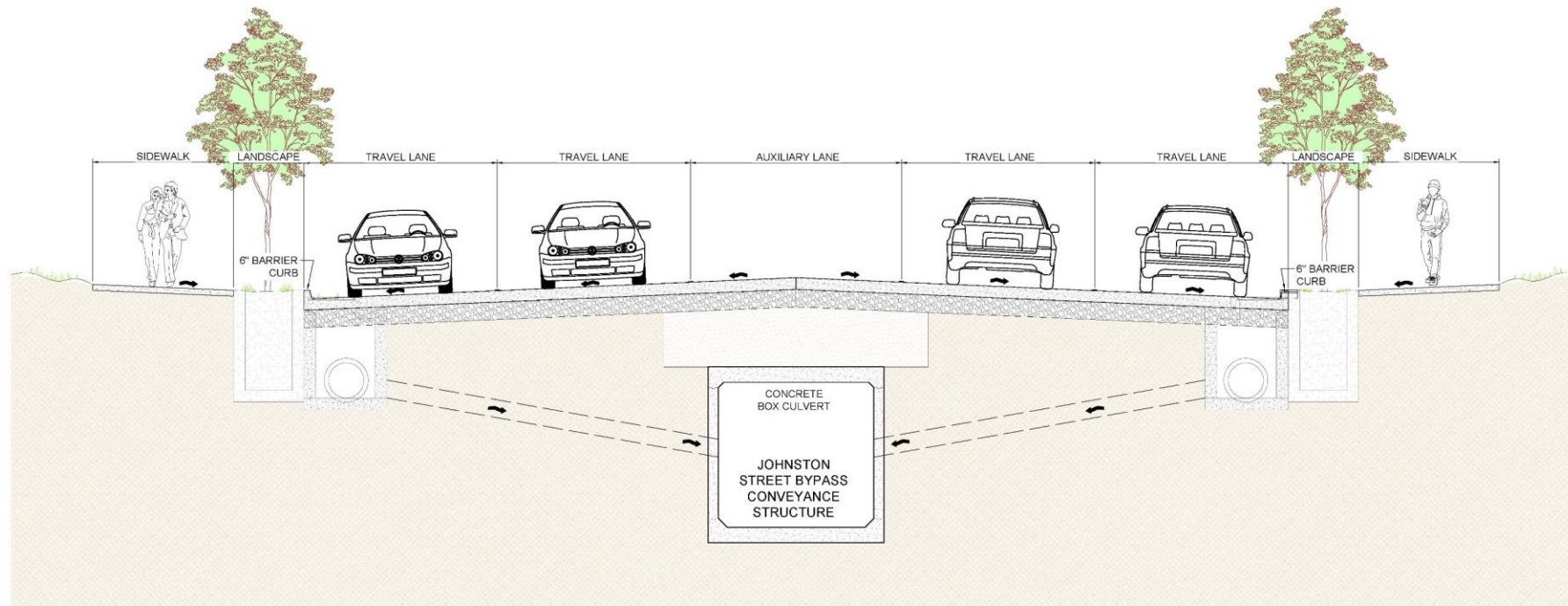


**Pre-Improvements
Modeled Inundation Map**



**Post-Improvements
Preliminary Modeled
Inundation Map**





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LICENSE NUMBER: 32222



POTENTIAL TYPICAL SECTION
LAFAYETTE, LOUISIANA

JOHNSTON STREET EXHIBIT
UNIVERSITY AVE TO LEWIS STREET
SEPTEMBER 2025

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Timing & Long-Term Strategies

Rachel Godeaux, Chief Administrative Officer

September
2025

- ✓ Public Meeting
- ✓ Collect resident & stakeholder input
- ✓ Publish meeting materials online

2025 Contd.

- Begin preliminary engineering and design studies
- Coordinate with UL and Downtown partners

2026

- Secure funding sources (state/federal grants, local capital dollars)
- Refine designs and cost estimates

2027+

- Tentative phased construction

ONGOING:

- *Monitoring and maintenance of completed projects*
- *Continued stakeholder engagement and public updates*
- *311 reporting + service request evaluations*



PROJECTS UNDER CONSTRUCTION ~\$82.3 M – 6 PROJECTS

Bayou Vermilion Flood Control
Vermilion River Spot Dredging
Downtown Drainage Inlet Installation
Localized Flood Mitigation Contracts 21 & 24
River Oaks Subdivision Detention
Millcreek Drainage Improvement



PROJECTS UNDER DESIGN ~\$11M – 8 Projects

Localized Flood Mitigation Contracts 25 & 26
Tideland Road Outfall (Coulee Des Poches)
UPA Concrete Coulee Repair
Coulee Mine East Flood Control
Isaac Verot Coulee Lateral IV
Concrete Lined Coulee Maintenance
Whittington Oaks – Brentwood Outfall Impr.

Living Data and
Hydraulic Model
Management

Stormwater
System
Maintenance

Stormwater
System Capital
Improvements

Funding
Strategy / Grant
Applications

Regulatory
Improvements

Community
Engagement
and Education

Near-Time Flood
Warning System

FEMA Community
Rating System (CRS)

SOUTH GRAVITY SEWER LIFT STATION

Jeffrey Stewart
LUS Director



LAFAYETTE UTILITIES SYSTEM

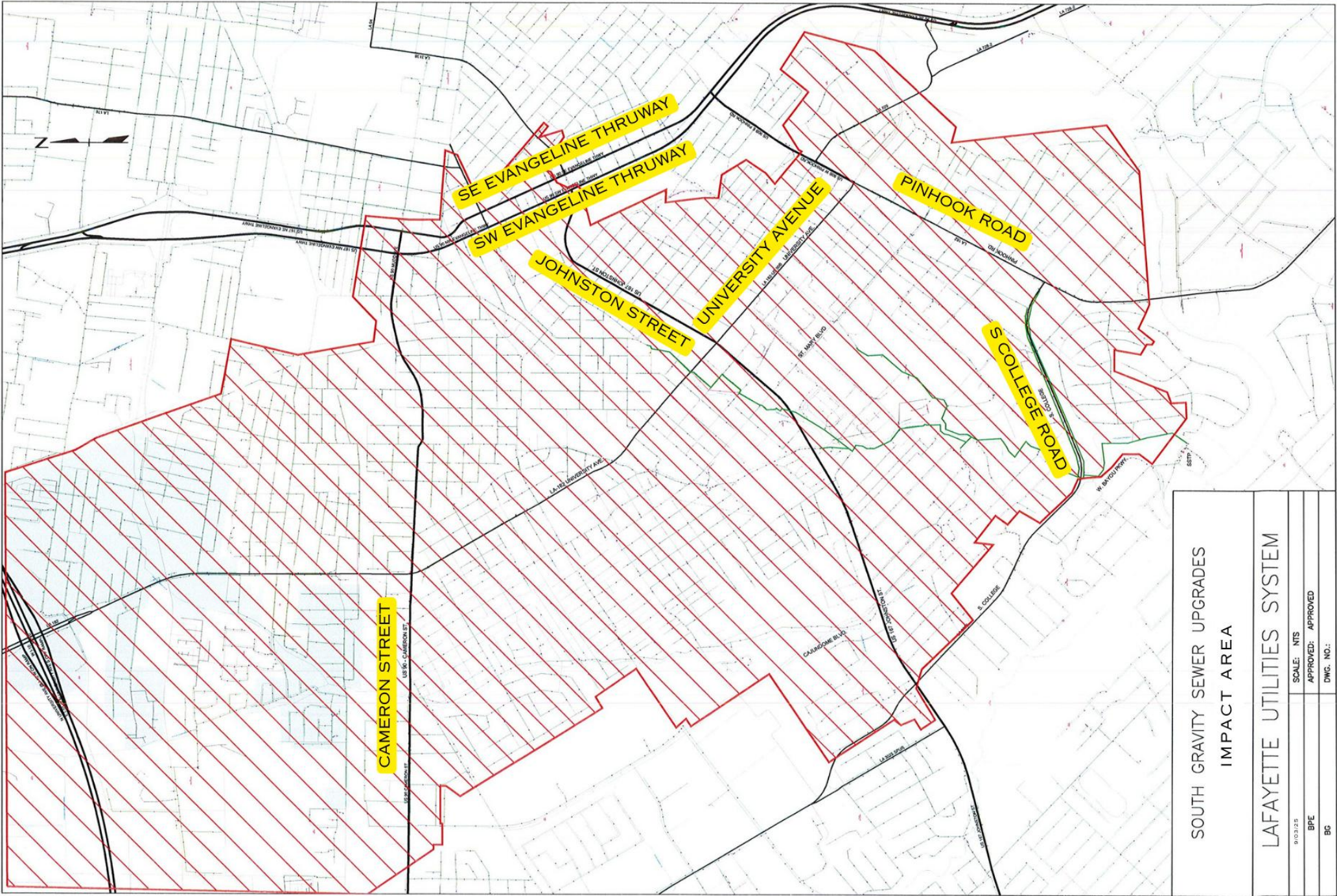
September 9, 2025

PROJECT DETAILS

LUS to construct a major sewer and force main to provide additional sewer to provide additional sewer capacity for downtown, midtown, and the surrounding areas as well as mitigate overflows. The lift station will supply additional sewer capacity to serve approximately 2,000 residential units.

- Project cost – \$17,698,000
- Notice to proceed – September 1, 2025
- Estimated completion – within 365 calendar days





SOUTH GRAVITY SEWER UPGRADES	
IMPACT AREA	
LAFAYETTE UTILITIES SYSTEM	
9/03/25	SCALE: NTS
BPE	APPROVED: APPROVED
BG	DWG. NO.:

Community Input & Engagement

Jamie Boudreaux, Chief Communications Officer

Downtown Drainage Public Meeting September 9, 2025

Please print clearly

Your Name: _____

Email Address: _____ Phone #: _____

Your Physical Address: _____

City: _____ (if different from Lafayette.)

List any concerns:

Describe any suggestions:

I ☐ Live ☐ Work ☐ Play

in Downtown and/or adjacent neighborhoods.



311Lafayette.services

- More public engagement to come (your feedback is key)
- Continued public updates via website, social media, council meetings
- Pursue funding sources

What can residents/business owners do *now*?

- Reporting through 311
- Flood insurance
- Property-level mitigation

THANK YOU!