

Mossy Oaks Task Force - *Mossy Oaks Project Update*

July 10th, 2019

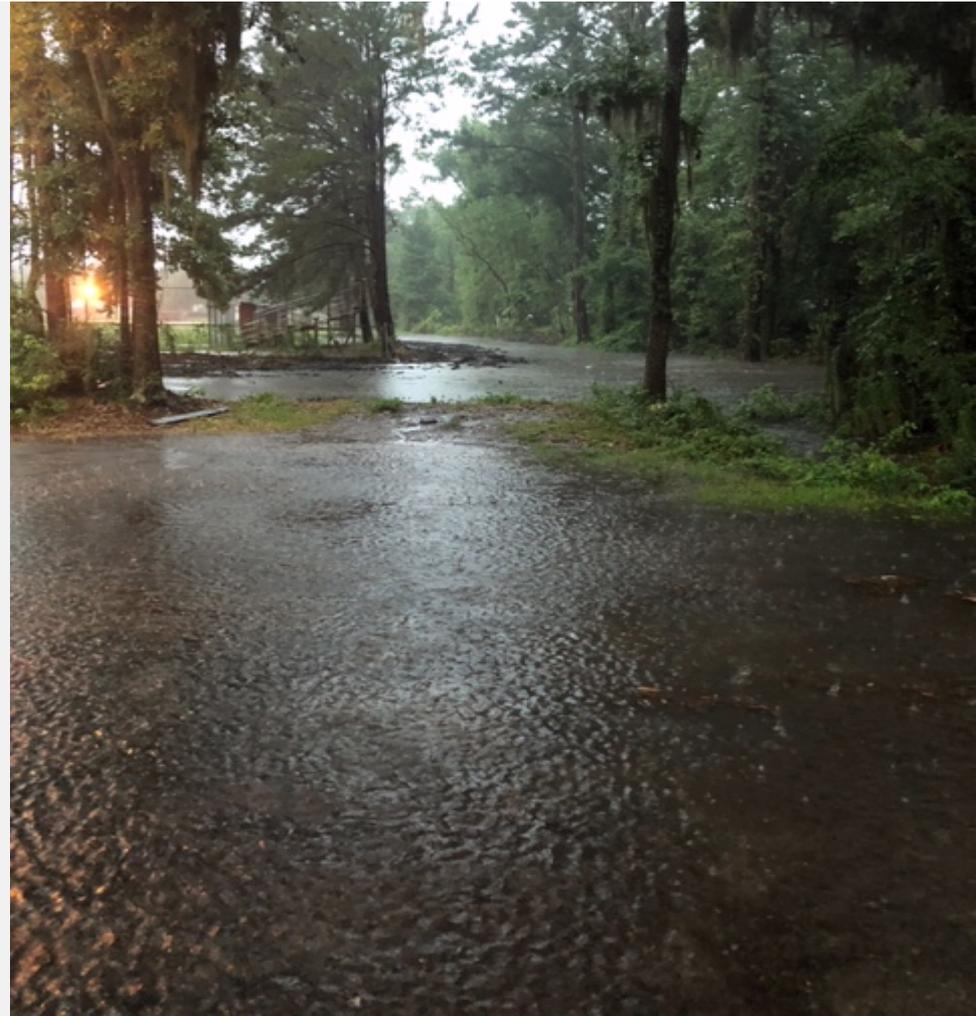


AGENDA

- Introduction
 - Ongoing Analytical Efforts
 - Rain Event July 5th
- Nine Challenged Areas & Priority
- Project Status
- Mossy Oaks Project Timeline
- Deep dive Basin I & II
- Path Forward
- Questions

July 5th 2019

High Tide, Full Moon, Storm Surge, Heavy Rain



Storm Aftermath



Prior to construction



UPDATE ALL 9+ CHALLENGED AREAS

- Mossy Oaks: M&R, Final Design & Permitting underway
- Allison Road: Final Design underway
- Lafayette Outfall: Survey underway
- Calhoun St: Geotech complete, survey underway
- Kings Ridge: Awaiting survey & design
- Broad St ditch: Incorporated into Mossy Oaks design
- Johnny Moral: Survey & preliminary design complete
- Hay St Outfall: Design complete, awaiting review
- The Point: Preliminary assessment ongoing
- Twin Lakes: Design & Permit complete; Construction TBD
- Battery Shores: Design & Permit complete; Property acquisition underway



CITYWIDE PROJECT STATUS

(Design & Permitting)

1. Mossy Oaks (I&II)	40%
2. Johnny Morrall	50%
3. Allison Road	60%
4. Broad Street	5%
5. Hay Street	90%
6. Lafayette Street	15%
7. Kings Ridge	10%
8. Calhoun Street	20%
9. The Point	5%

MOSSY OAKS UPDATED PROJECT TIMELINE

- **Grant award (\$1M)** **June 2018**
- **ACOE initial informal determination** **December 2018**
- **Received ACOE JD Report** **Feb 2019**
- **RIA Grant Awarded (\$500K)** **May 2019**
- **Jane Way Cleanout (Ongoing)** **June 2019**
- **West Royal Oaks Cleanout** **July 2019**
- **Basin I (Duck Pond) ACOE submit permit** **July 2019**
- **Basin I SCDOT submit permit** **September 2019**
- **Basin II (SSP) ACOE submit permit** **August 2019**
- **Basin II SCDOT submit permit** **October 2019**
- **Project Closeout** **May-June 2020**

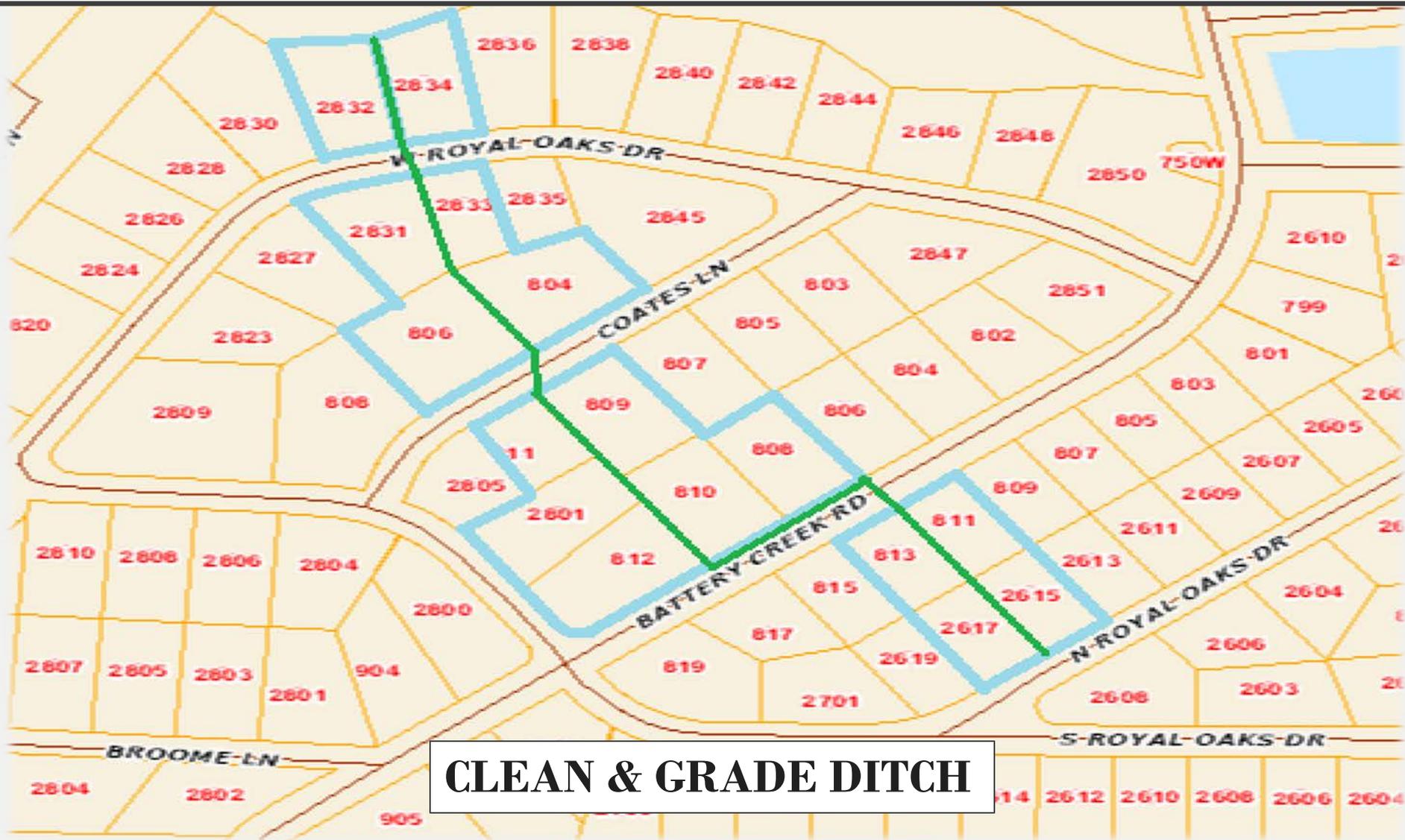
BASIN I (DUCK POND) DEEP DIVE

- **Six major components**
 - **Jane Way Ditch**
 - **West Royal Oaks Ditch**
 - **Spanish Moss Trail**
 - **Duck Pond**
 - **Dredge**
 - **Outfall Control Structure**
 - **Upstream Culverts (multiple areas)**
 - **Battery Creek Road**

SMALL SAMPLE OF OF JWC TRASH



WEST ROYAL OAKS DITCH



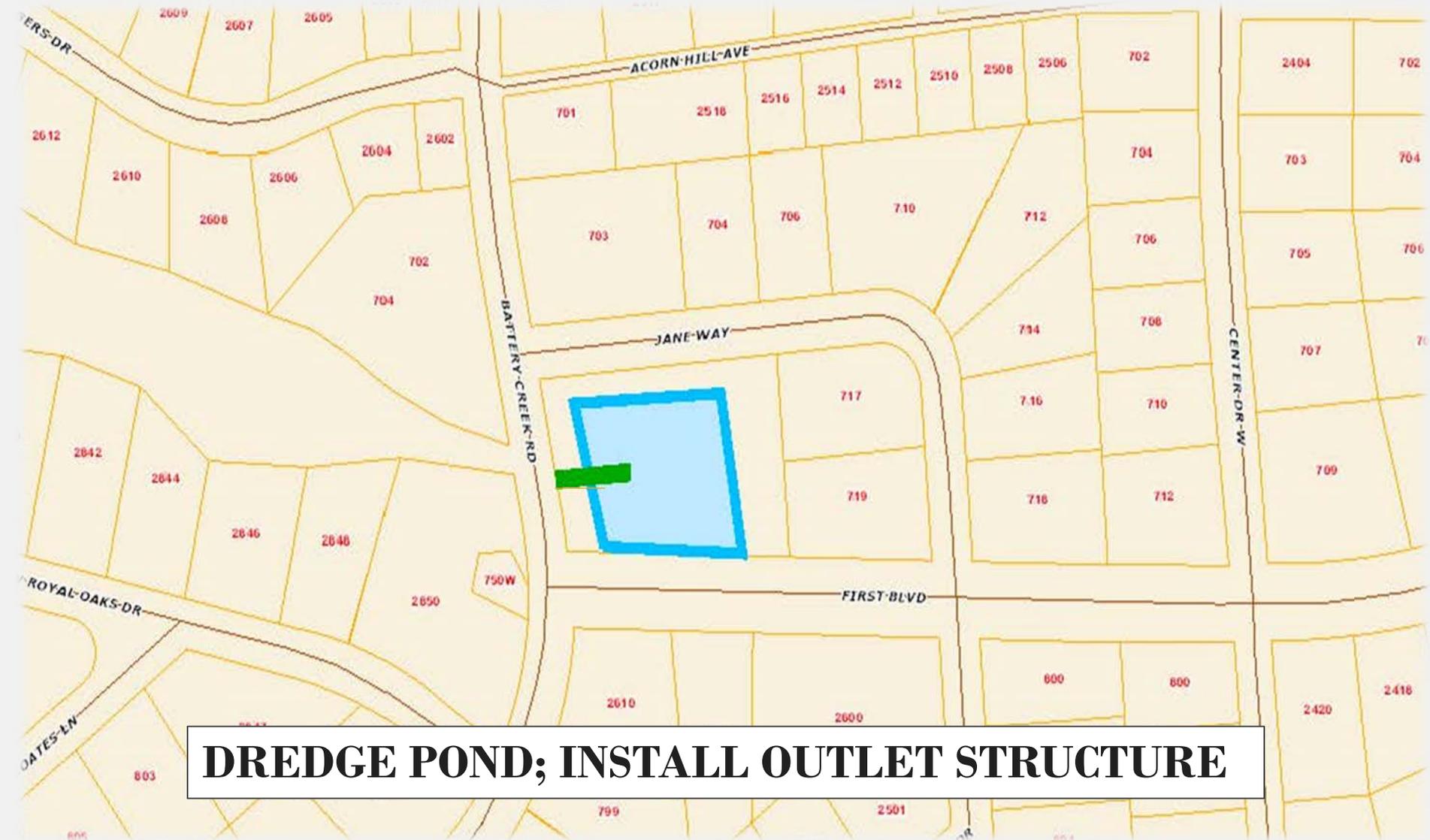
CLEAN & GRADE DITCH

SPANISH MOSS TRAIL



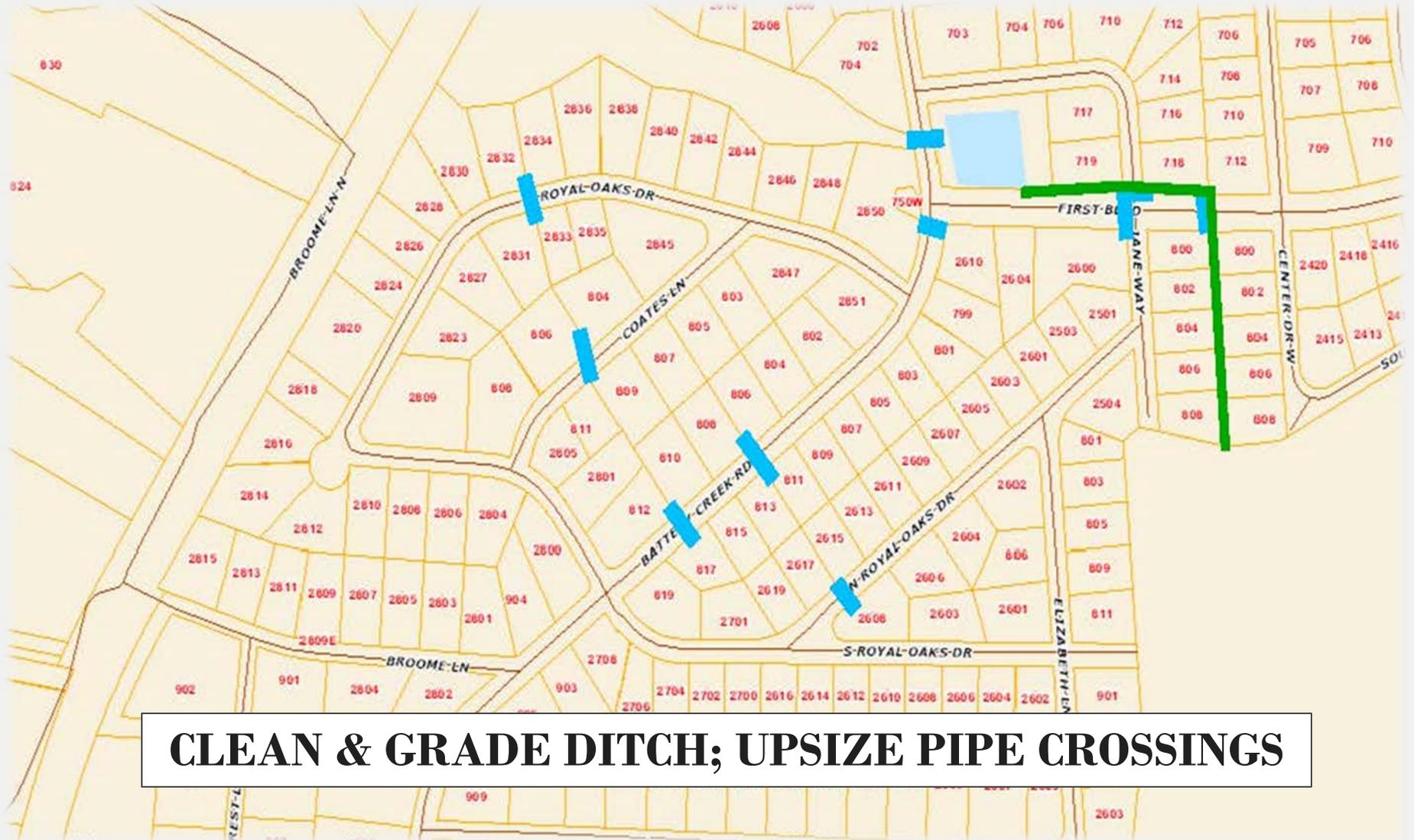
UPSIZE OUTLETS WITH FLAP GATES; SHEET PILE WALL

DUCK POND



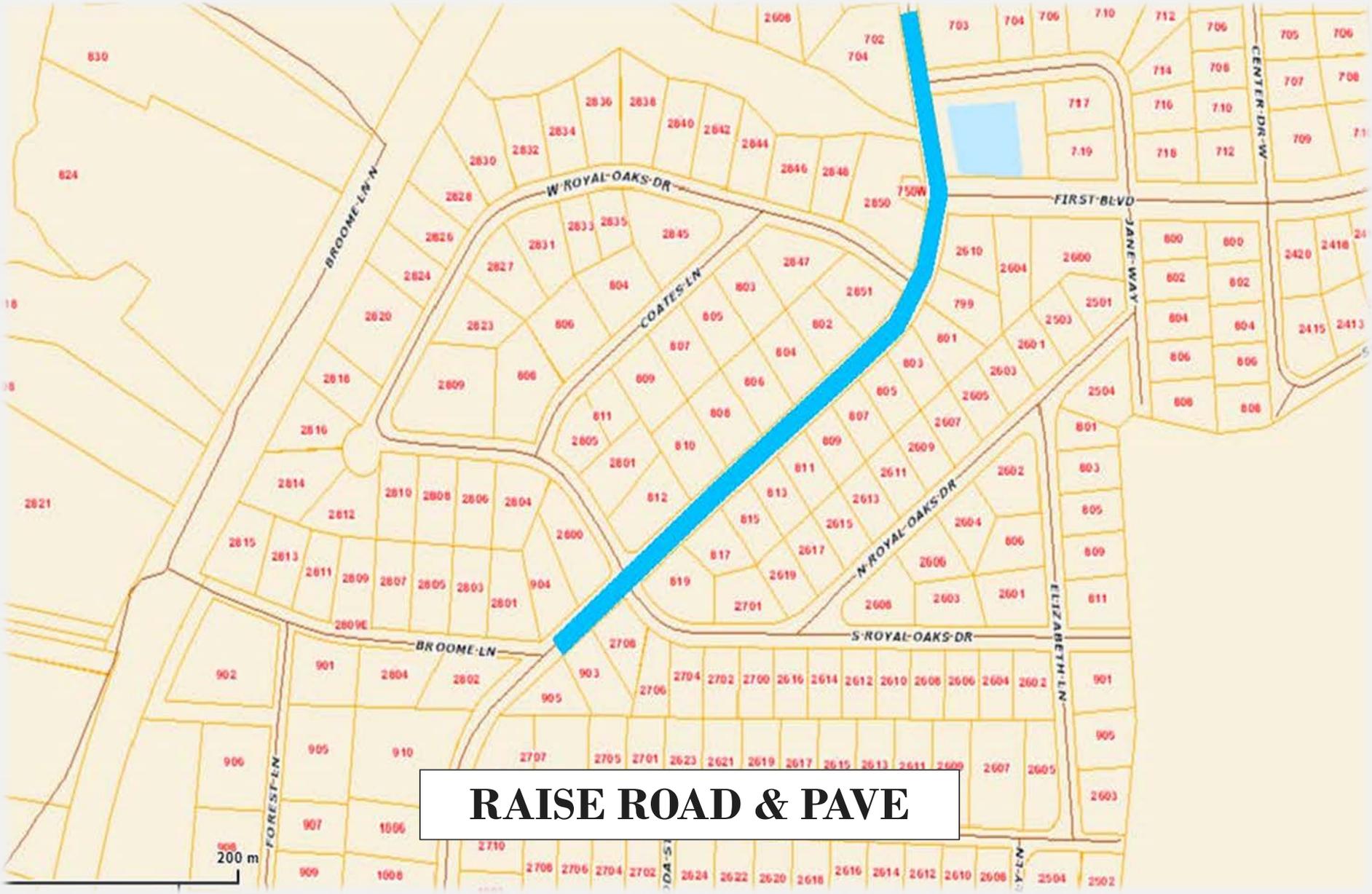
DREDGE POND; INSTALL OUTLET STRUCTURE

UPSTREAM CULVERS (MULTIPLE AREAS)



CLEAN & GRADE DITCH; UPSIZE PIPE CROSSINGS

BATTERY CREEK ROAD



RAISE ROAD & PAVE

BASIN II (S. SIDE PARK) DEEP DIVE

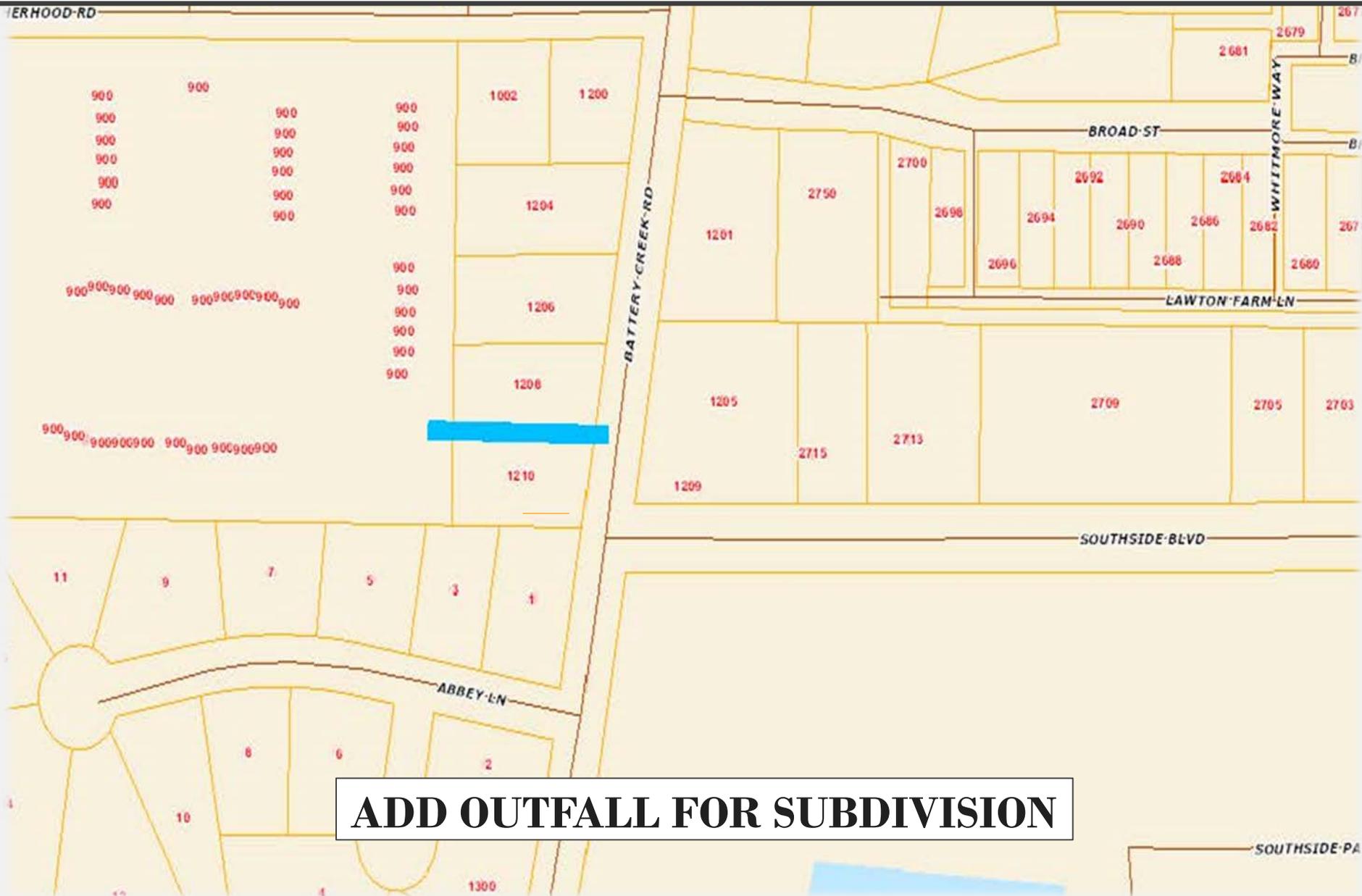
- **Five major components**
 - **Broad St Ditch**
 - **Gentry Woods Outfall**
 - **Spanish Moss Trail**
 - **Southside Park Pond**
 - **Battery Creek Road**

BROAD STREET DITCH

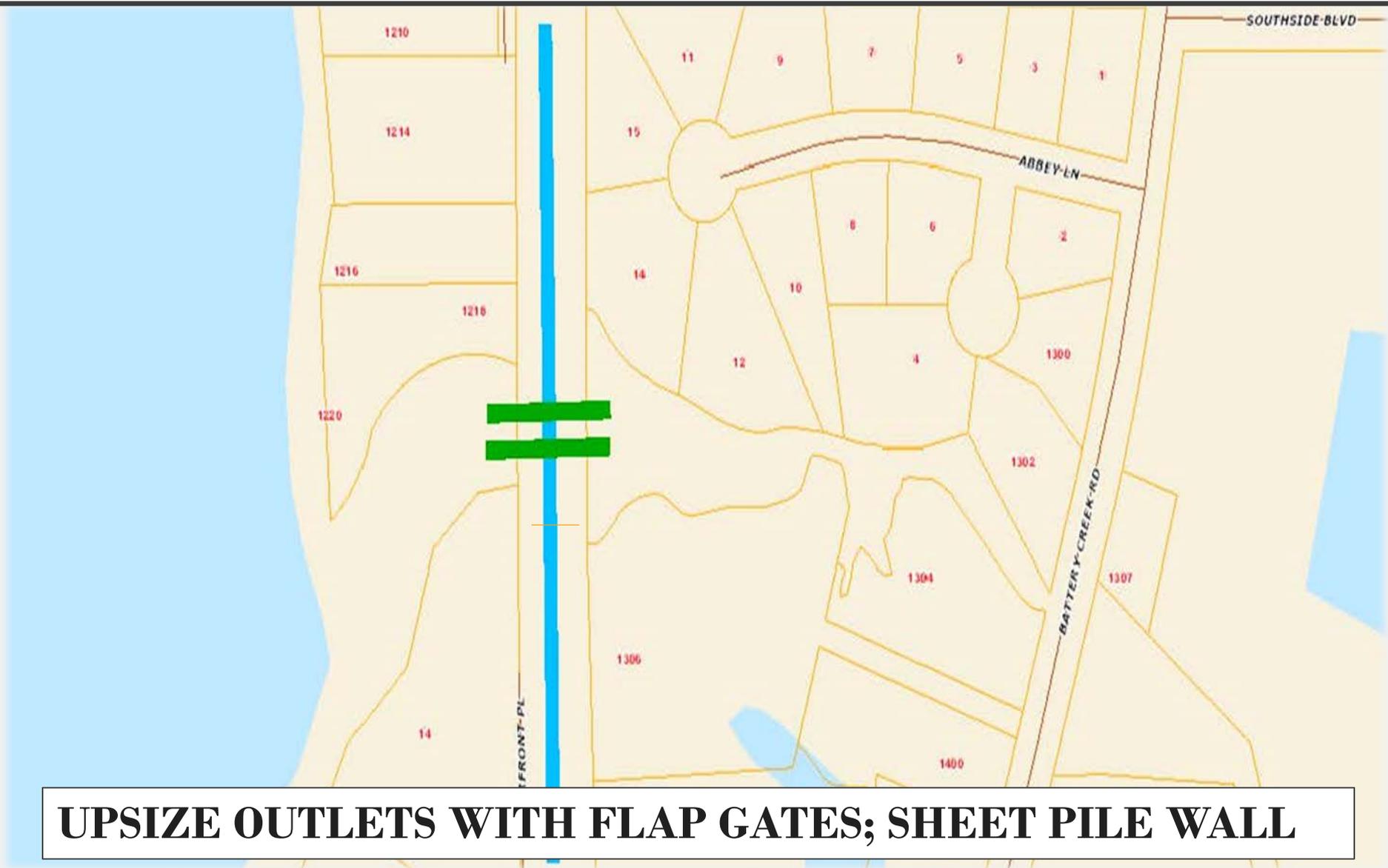


CLEAN & GRADE DITCH

GENTRY WOODS OUTFALL



SPANISH MOSS TRAIL



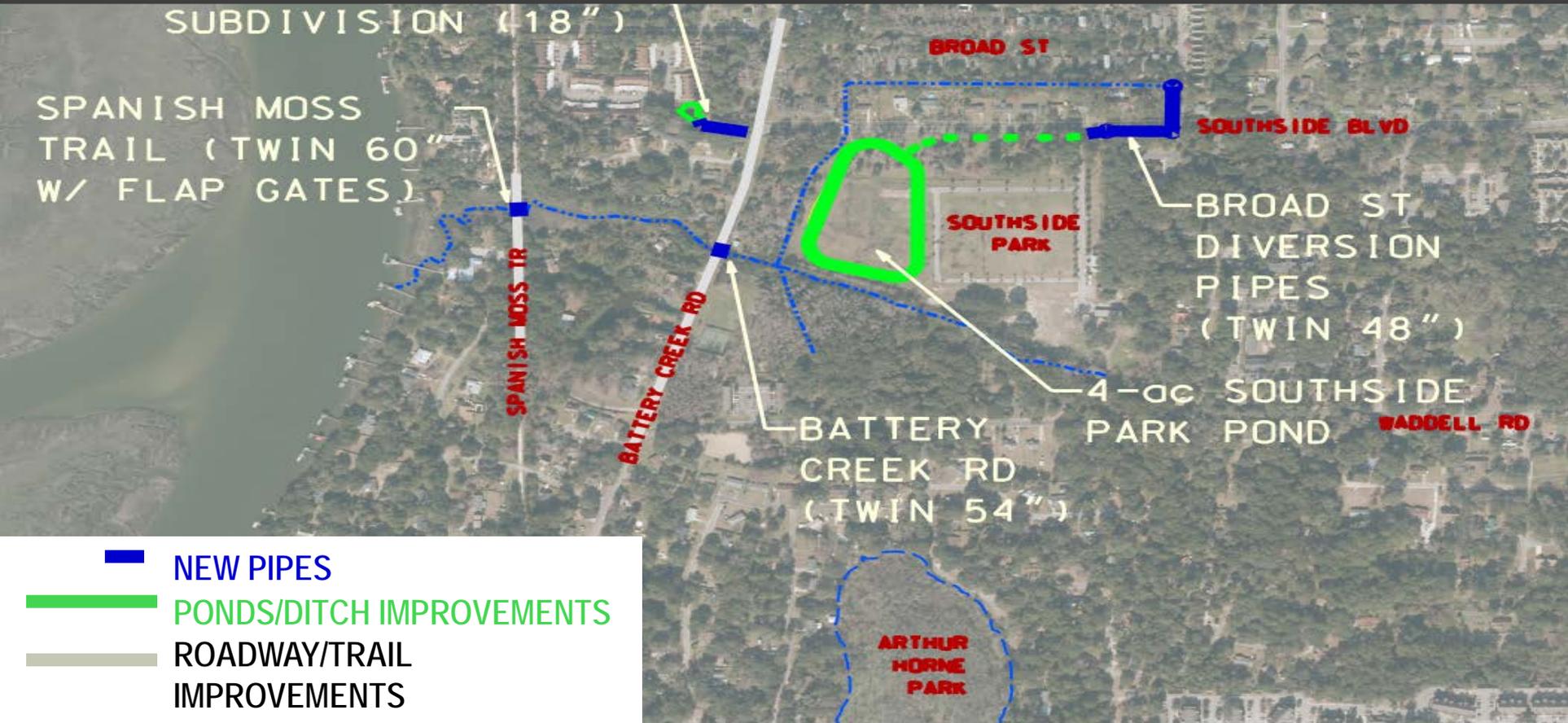
UPSIZED OUTLETS WITH FLAP GATES; SHEET PILE WALL

SOUTHSIDE PARK POND



ADD DETENTION SYSTEM

DEEP DIVE SOUTHSIDE PARK DETENTION POND



- **4 Acre Drainage Pond no longer appears feasible based on numerous conflicts & challenges (Utilities, Permitting, Easements, Elevation)**
- **Options being explored & evaluated (potential pump station)**
- **Noteworthy is that the SMT flap gates will derive a significant benefit**

Path Forward

- ✓ Permitting from various agencies underway
- ✓ Concurrent design & permitting on other challenged areas
- ✓ West Royal Oaks Cleanout planned for July
- ✓ Continual assessment of flood prone areas
- ✓ July 10th Mossy Oaks Task Force Meeting at 10am

Questions

Questions?