

Mossy Oaks Task Force - *Mossy Oaks Project Update*

February 27, 2019



AGENDA

- Introduction
- The Problem
- Major Project Timelines
- Project Status
- Near Term Challenges
- Nine Challenged Areas & Priority
- Permitting Strategy
- Path Forward / Permitting Requests
- Questions

THE PROBLEM (UNCHANGED)

- There are nine (9) problem areas, Mossy Oaks is the highest priority
- 580 acre drainage basin flowing to two outfall locations
- Reoccurring flooding from heavy rains, high tides, & storm surges
- Inefficient & aging infrastructure
- Insufficient funding for SCDOT infrastructure (Improvements) at present
- Many houses built slab on grade & in low-lying areas
- Limited Municipal stormwater utility funding (\$1M cap)
- Limited personnel & resources for maintaining infrastructure

MAJOR PROJECT TIMELINE

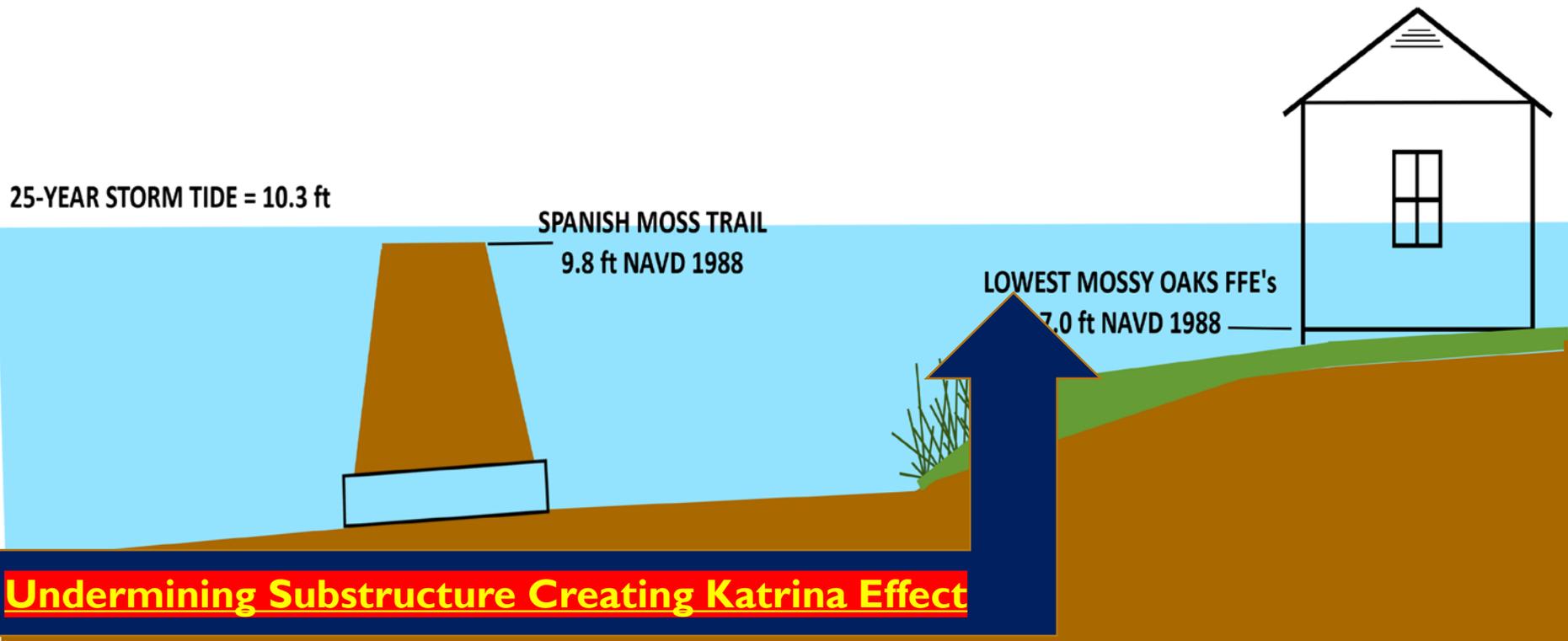
- Grant award (\$1M) June 2018
- SCDOT, DHEH, OCRM, ACOE Meeting Nov 5th 2018
- **ACOE initial informal determination** **December 2018**
- Southside Park & Jane Way Survey Jan 14th 2019
- **Mossy Oaks Update Brief to Council** **Jan 22nd 2019**
- BCSD Drainage Ditch Survey Jan 23rd 2019
- **Spanish Moss Trail Geotechnical Survey** **Feb 14th 2019**
- Project Permit Jan-Apr 2019
- **ACOE JD Report to ICE/COB** **Feb 2019**
- **Mossy Oaks Task Force/Neighbor meeting** **Feb 2019**
- **RIA Grant application submittal** **Mar 2019**
- Bid & Award May-July 2019
- Construction Aug 19-Apr 2020
- Project Closeout May-June 2020

PROJECT STATUS

- Bond has been secured (Dec 2018)
- All regulatory stakeholders working together
- **Critical analysis of the SMT is completed**
 - **Determined structural integrity of material**
 - **Informs detailed design of SMT @ flap gates**
- ACOE issues JD in February detailing restrictions
- JD triggers local permitting where required
- Local permitting will facilitate work:
 - Portions of Jane Way “Canal” system
 - **Southside Park detention pond**
 - **Minimize disruption to existing park features**

Near Term Challenges

CHALLENGE #1 UNDERMINING THE SMT



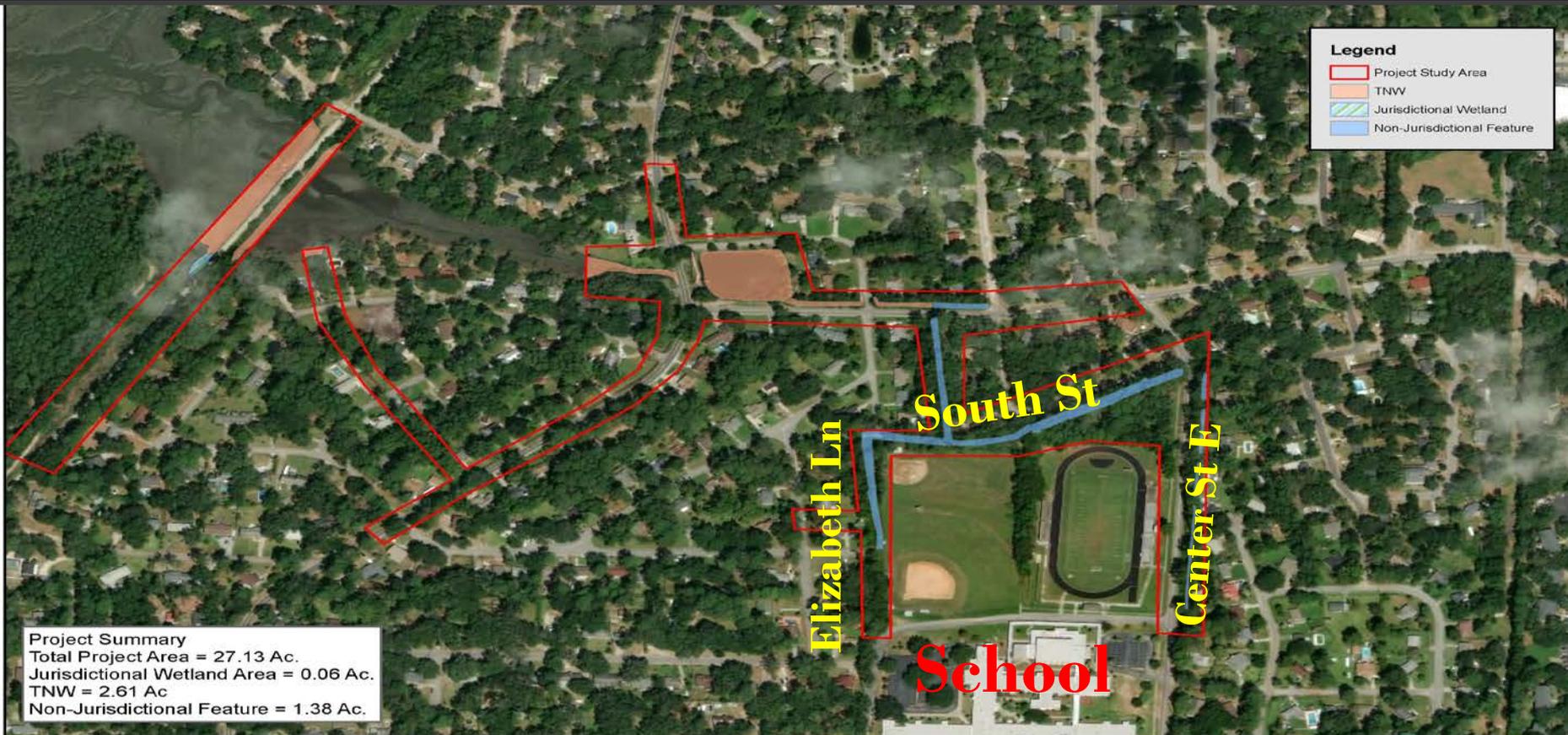
*Based on potential additional pressure when activating outfall flap gates

*Flap gates deemed essential; SMT structural reinforcements will be required

Potential reinforcements will increase costs

CHALLENGE #2

JANE WAY "CANAL"



Date:
8.28.2018
By:

JE INFRASTRUCTURE
CONSULTING & ENGINEERING

Figure 6: Aquatic Resources Master

Mossy Oaks Basin 1 Drainage
Beaufort County, SC

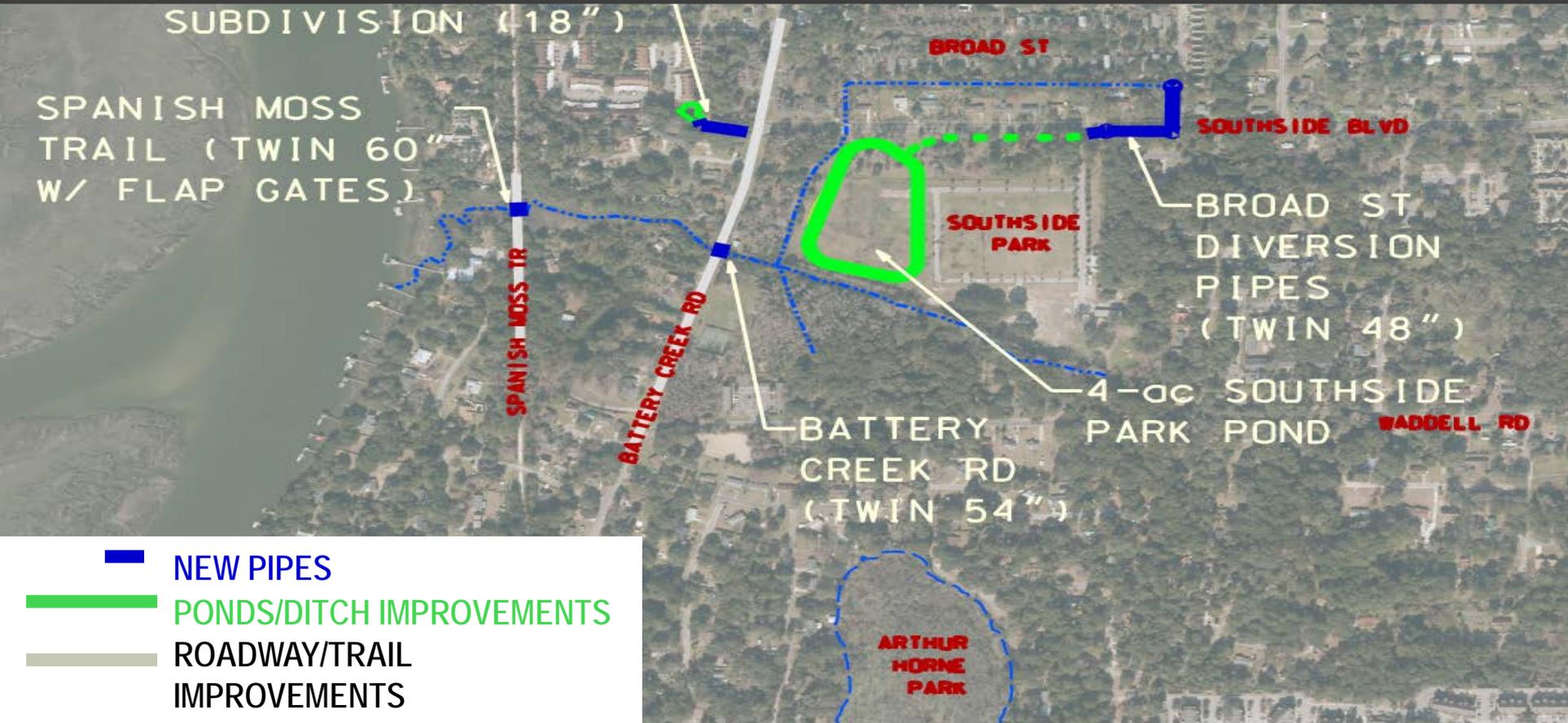
0 200 400 Feet



- * Significant Impact cleaning the ditches along South, Center, & Elizabeth
- * Will require permitting from State regulators
- * Will leverage contractor & in house talent to tackle project soonest

CHALLENGE #3

SOUTHSIDE PARK DETENTION POND



- * 4 Acre Drainage Pond will “time release” drainage volume from the basin
- * Geometry of Pond will minimize disruption to existing park features
- * Will endeavor to avoid subsurface utility structures

CHALLENGED AREAS (9) & PRIORITY

Area	Initial Est.	Updated Est.
1. Mossy Oaks (I&II)	\$5.6M	\$5.6M
2. Johnny Morrall	\$1.0M	\$650K
3. Allison Road	\$1.9M	\$1.3M
4. Broad Street	\$1.1M	\$200K
5. Hay Street	\$515K	\$515K
6. Lafayette Street	\$397K	\$397K
7. Kings Ridge	\$781K	\$120K
8. Calhoun Street	\$268K	\$268K
9. <u>The Point</u>	\$3.9M	\$3.9M
Total	\$15.4M	\$12.9M



CITYWIDE PROJECT STATUS

% Complete (Design & Permitting)

1. Mossy Oaks (I&II)	25%
2. Johnny Morrall	15%
3. Allison Road	20%
4. Broad Street	5%
5. Hay Street	20%
6. Lafayette Street	5%
7. Kings Ridge	5%
8. Calhoun Street	5%
9. The Point	<i>Pending scope</i>

PERMITTING STRATEGY

- Impacts associated with pipe/structure replacements
 - Upsizing pipes
 - Minor changes in footprint – pipe length, rip-rap
 - Fill impacts along roadway from increase in grade at pipe crossings
- NWP 3 for Basin 1 and NWP 3 for Basin 2 – single, complete projects
- Initiate work along non-jurisdictional prior to permit USACE/OCRM permit submittal – separate NOI

PATH FORWARD / PERMITTING REQUESTS

USCOE

- Preliminary Determination on JD limits (Nov 2018)
- Expedited review of NWP's—both basins (May 2019)

OCRM

- CZC Cert. for M&R upland work (Mar 2019)
- CZC Cert. for New upland work (Mar 2019)
- Expedited review of Critical Area permit & CZC Cert – both basins (May 2019)

DHEC

- Individual land disturbance permit for upland M&R work (Mar 2019)
- Individual land disturbance permit for upland New storm drainage work (Apr 2019)

SCDOT

- Defined point of contact for all project submittals
- Encroachment permits for M&R work (Mar 2019)
- Encroachment permits for New work (Apr 2019)
- Expedited review of road work permits – both basins (May 2019)

Questions?