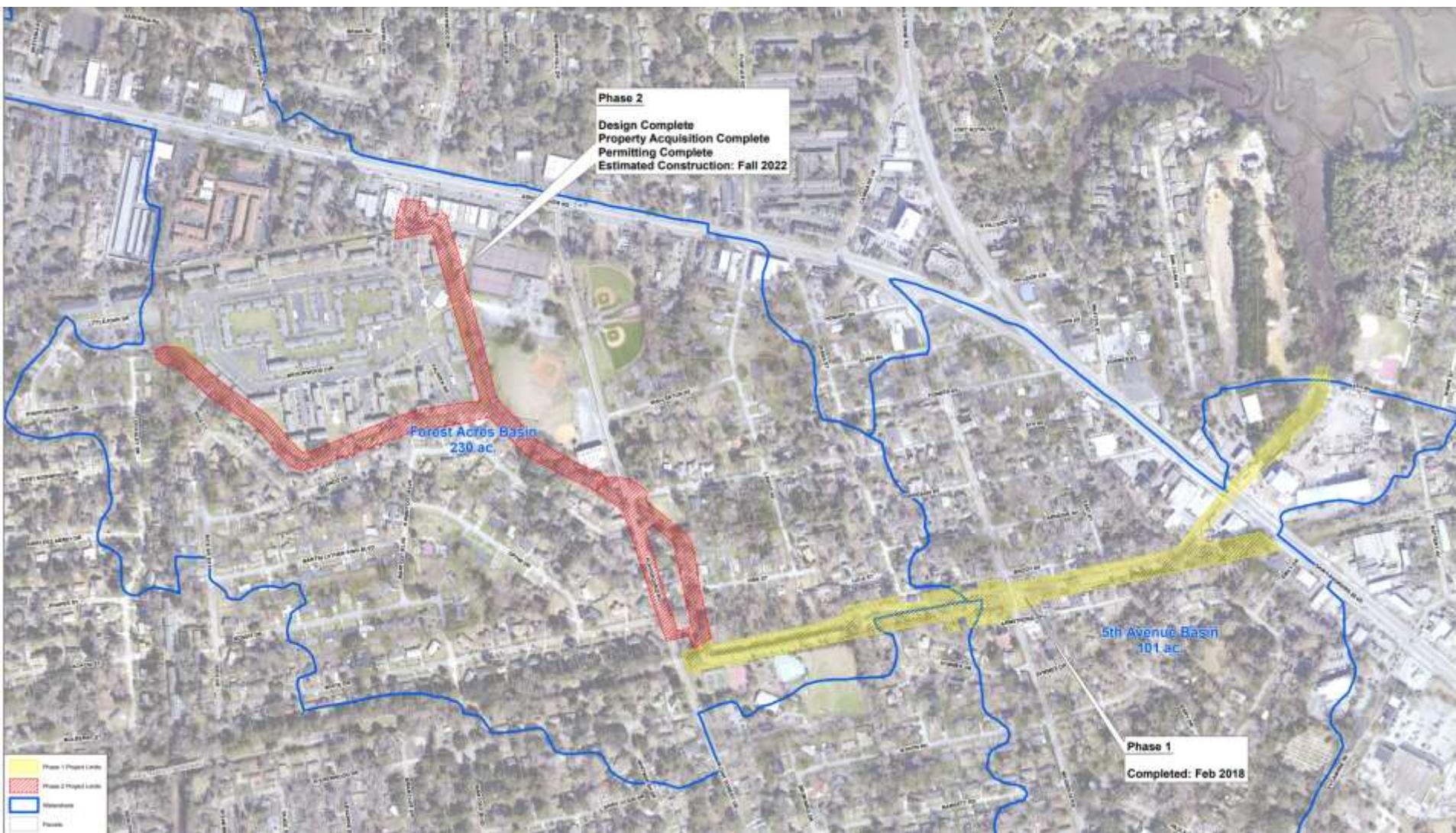


City of Charleston West Ashley Stormwater Project Updates

WARC
MARCH 2023



Forest Acres Drainage Improvement



Forest Acres Drainage Project

~\$11M CONSTRUCTION PROJECT –
PHASE 2

CONSTRUCTION STARTED FALL 2022

COMPLETED TREE REMOVAL,
WATER/SEWER RELOCATIONS, UTILITY
RELOCATIONS IN PROGRESS

DRAINAGE INFRASTRUCTURE
INSTALLATION PLANNED TO START
SPRING 2023

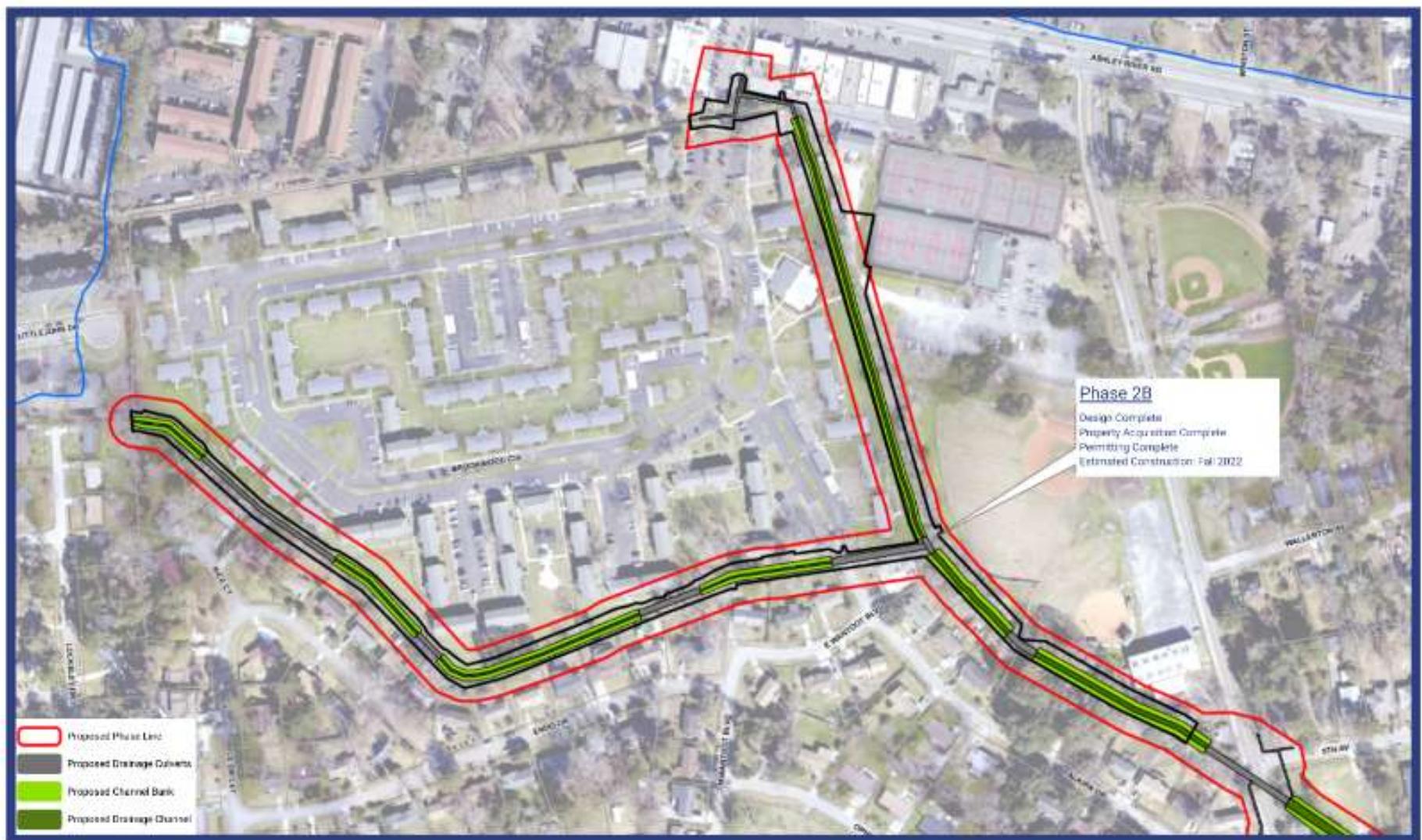
PHASE 2A COMPLETED LATE 2023



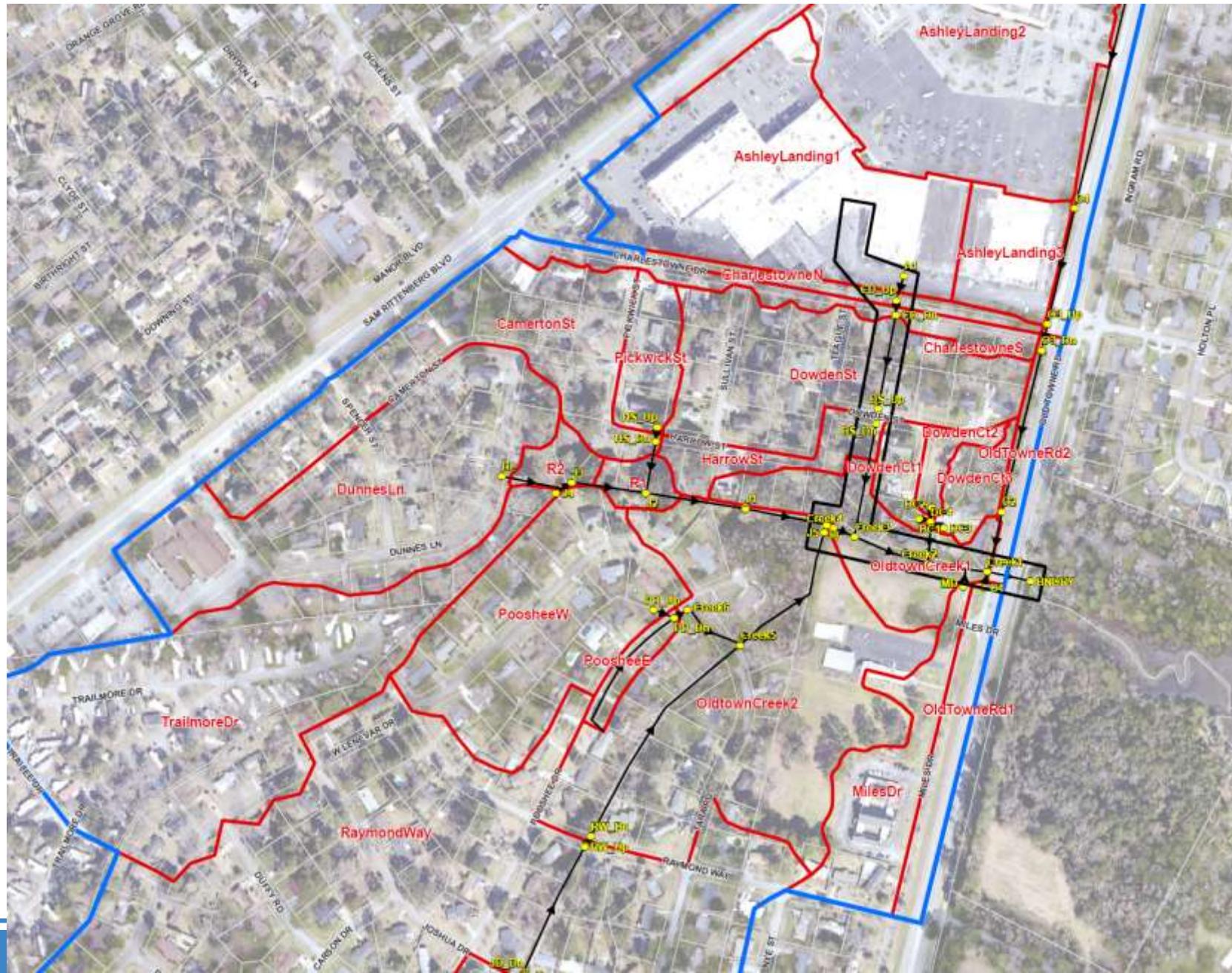
Forest Acres Drainage Project



Forest Acres Drainage Project



Dowden Area Project Update



Dowden Area Project Update

SMALL PROJECT ALLOCATION

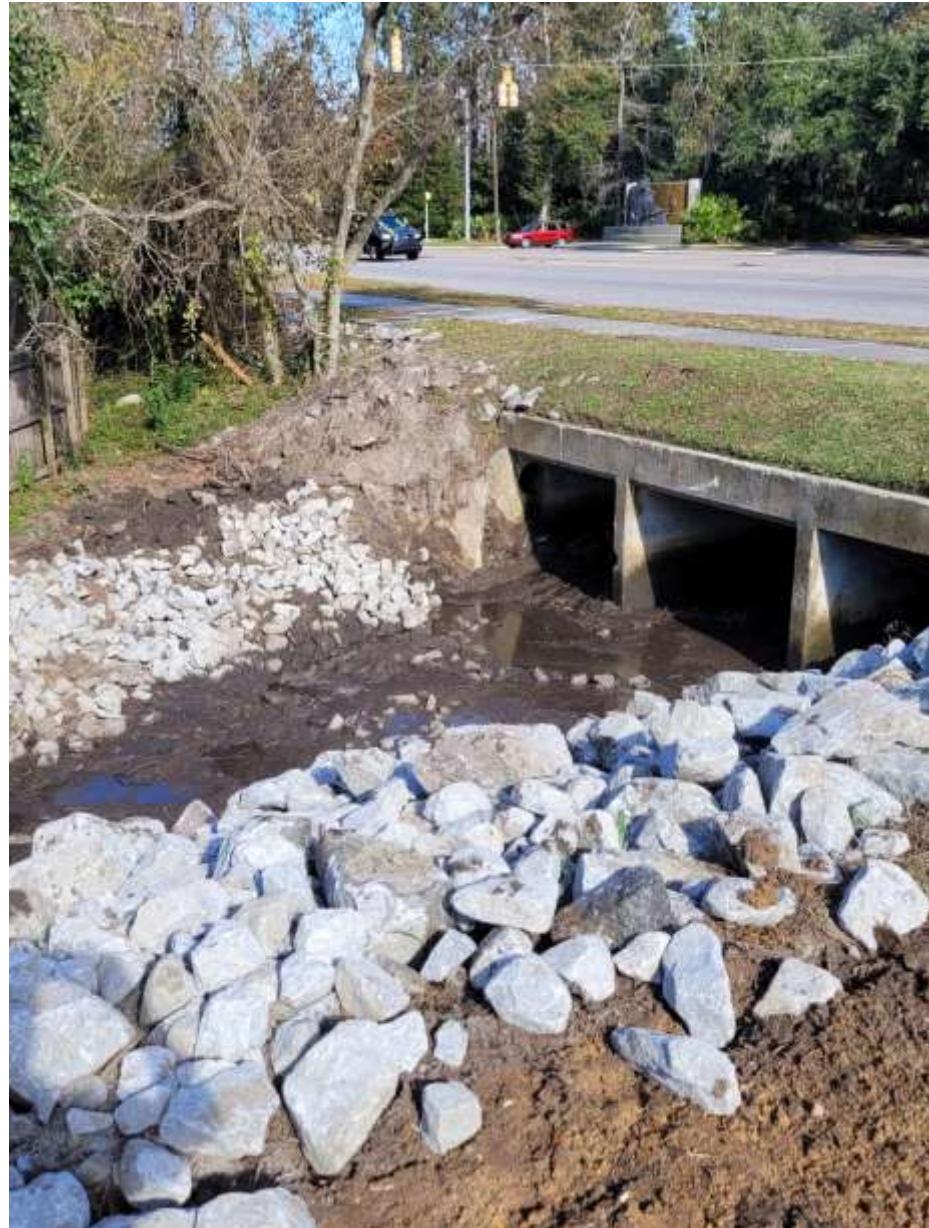
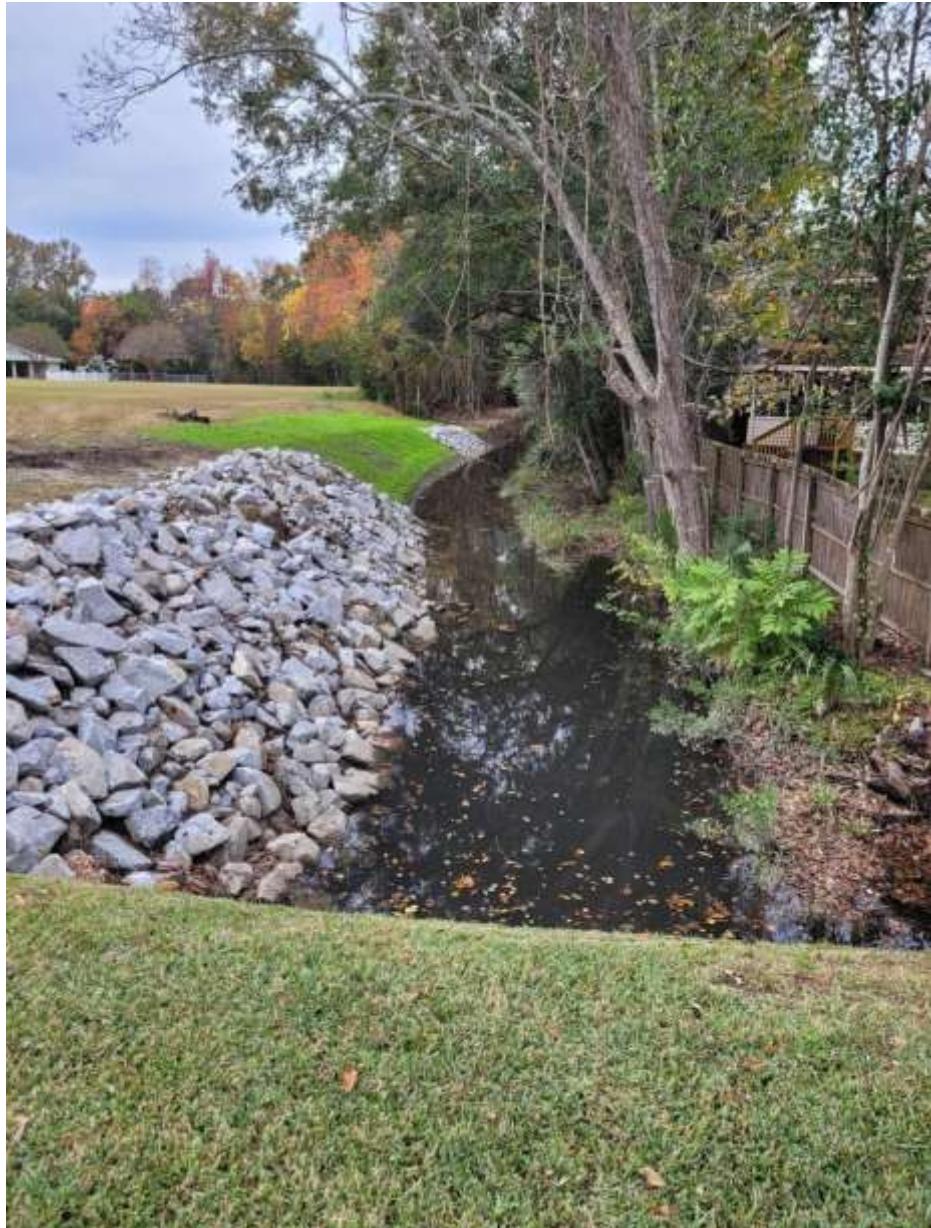
HISTORY OF ROAD AND PROPERTY FLOODING AND
SANITARY SEWER OVERFLOWS

CONSULTANT DESIGN & SURVEY
(THOMAS AND HUTTON)

CITY FIELD OPERATIONS CONSTRUCTION
REALIGN CANAL, RESTORE PIPE SYSTEMS

COORDINATED WITH CWS – BUILDING NEW SEWER
LIFT STATION ADJACENT TO CITY DRAINAGE WORK

Dowden Area Project Update



East/West Oak Forest Drainage Plans



East/West Oak Forest Drainage

Oak Forest at Keats

- **2 residential flood damaged properties acquired by the City with Federal Grants**
- **Construction projects following in Fall 2023 to retrofit properties to hold more stormwater and plant them with low maintenance native vegetation**



East/West Oak Forest Drainage

Shelley Road

- **1 residential flood damaged properties acquired by the City with Federal Grants**
- **Construction project following in Fall 2023 to retrofit property to hold more stormwater, plant it with low maintenance native vegetation and provide improved maintenance equipment access to drainage system on along rear of properties**



East/West Oak Forest Drainage

Drainage Artery

Evaluate Improvement Options Based
on Existing Constrictions

Obtain Drainage Easements

Obtain USACE and Critical Area
Permits for Canal Maintenance

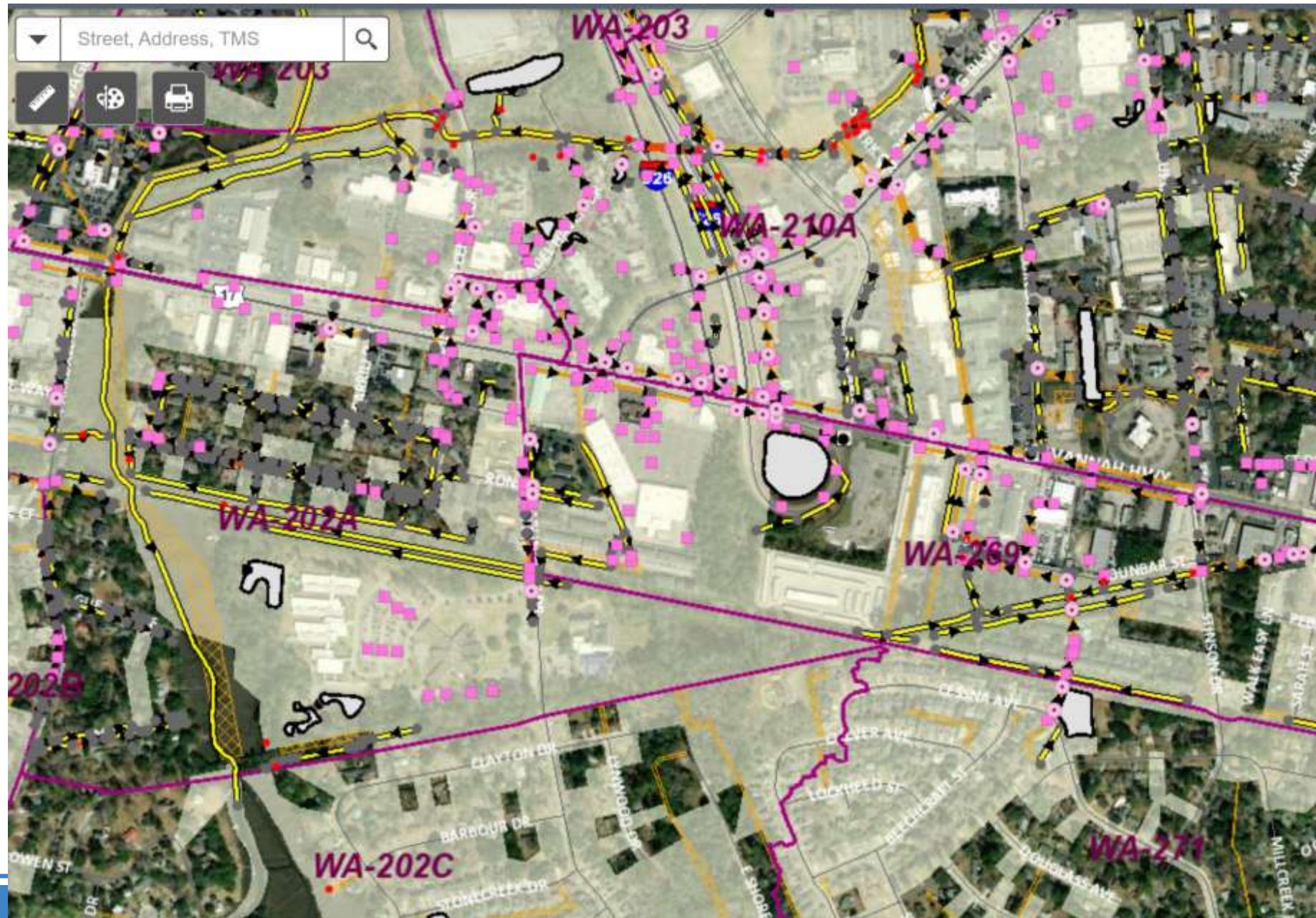
Clean Open Channel System and
Existing Pipes

Obtain USACE and Critical Area
Permits for Pipe Replacement/
Improvement

Repair/Replace Driveway Pipe
Crossing and Clean/Improve
Greenway Pipe Crossing and
Potentially Improve US17 Crossing



Citadel Woods/Wildwood Update



Citadel Woods/Wildwood Update



Windermere Project Update



Windermere Neighborhood Drainage Improvements

City of Charleston, SC

Conceptual Improvements

City of Charleston



Charleston, South Carolina

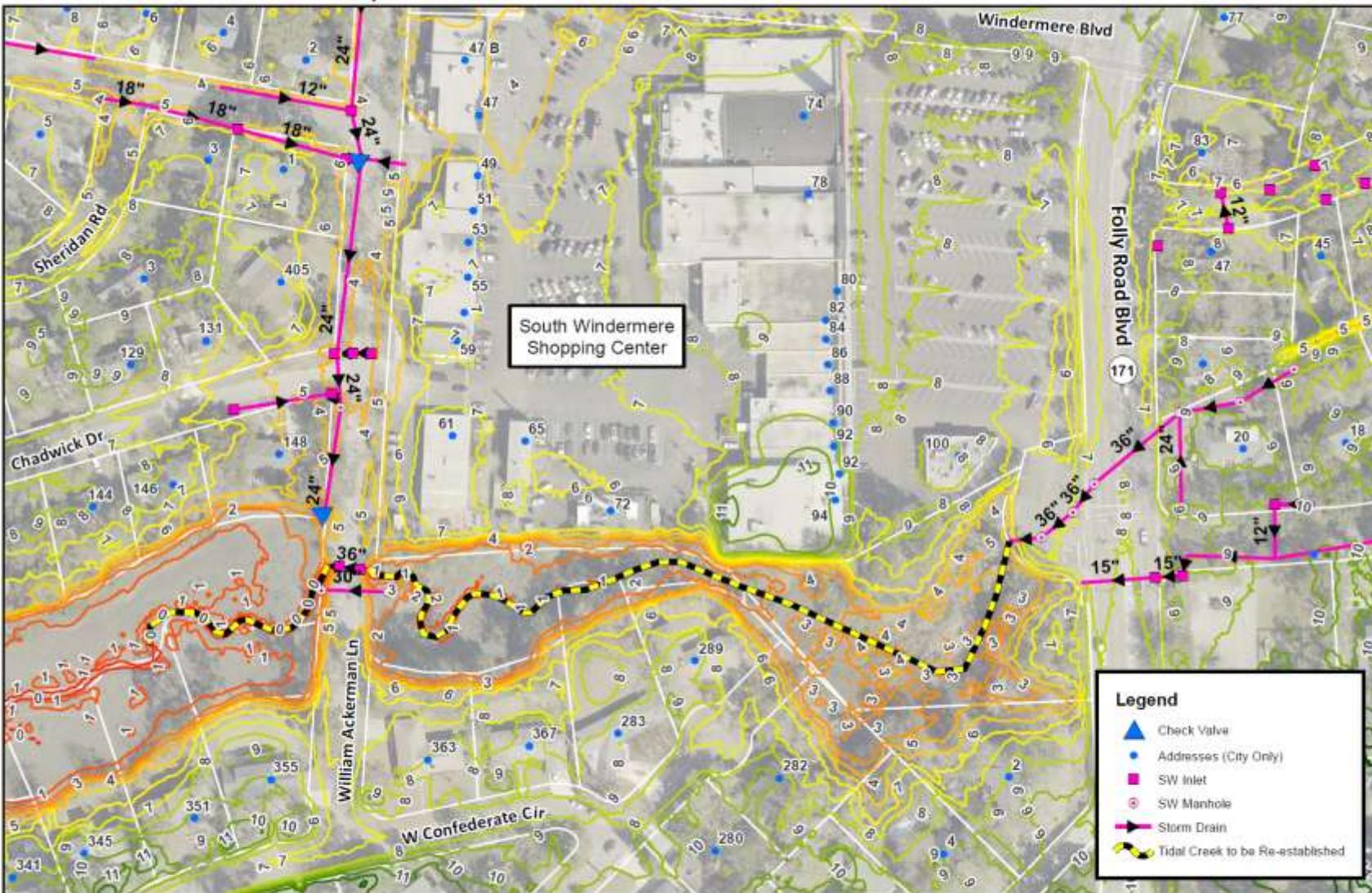


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MT. PLEASANT, SC 29464 • 843.886.0200
WWW.TOMASANDMERTON.COM

GEOGRAPHIC INFORMATION SYSTEMS
gis@tomm.com • Thomas & Merton

Outfall Cleaning

South Windermere Outfall Improvement



CITY OF CHARLESTON
**STORMWATER
MANAGEMENT**

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Department of Stormwater Management
1 George St., Suite 2500
Charleston, SC 29401
www.charleston-sc.gov

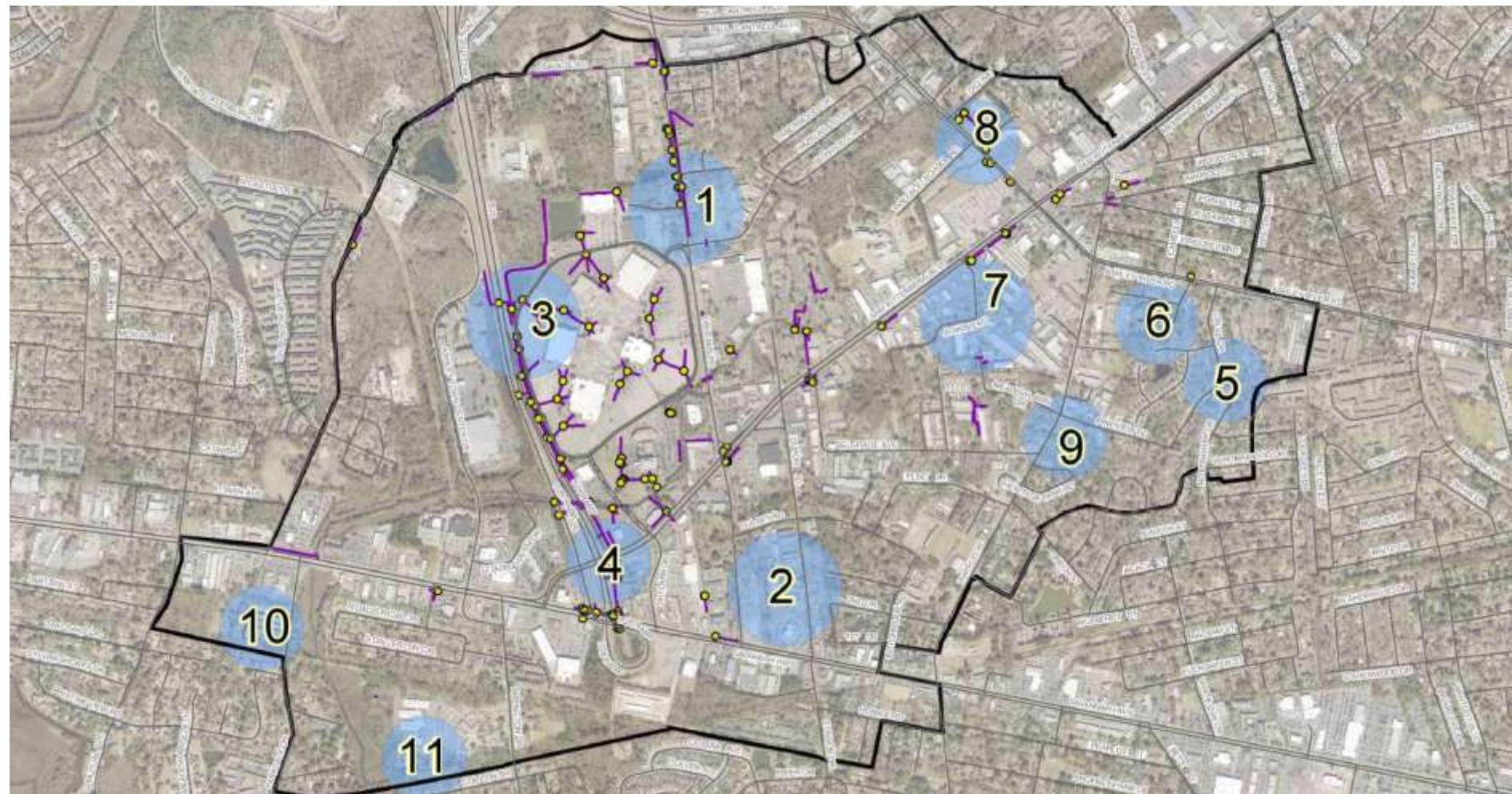
150 75 0 150 300
Feet

Date: 4/28/2021

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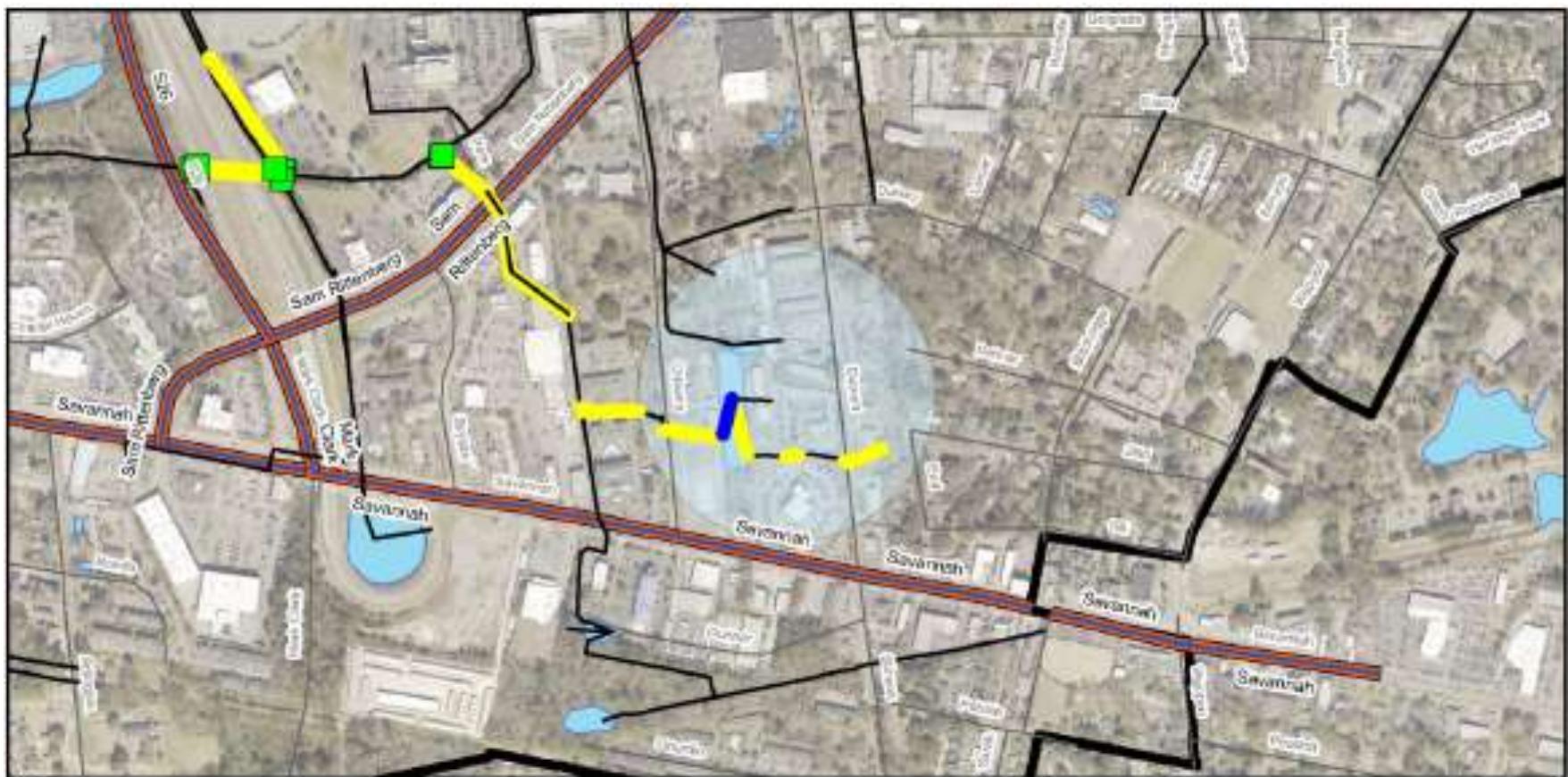
Dupont Wappoo Drainage



Area 1



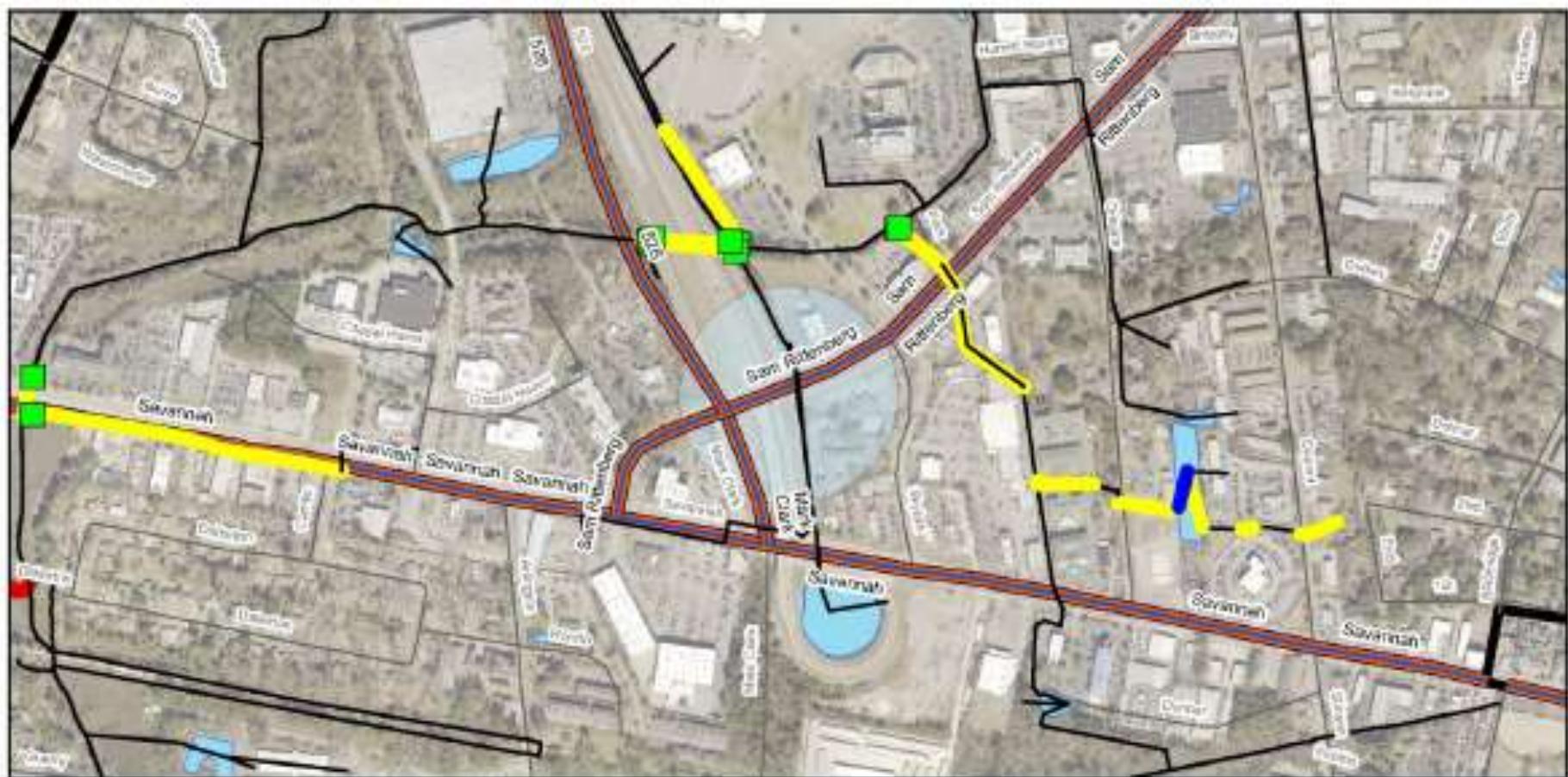
Area 2



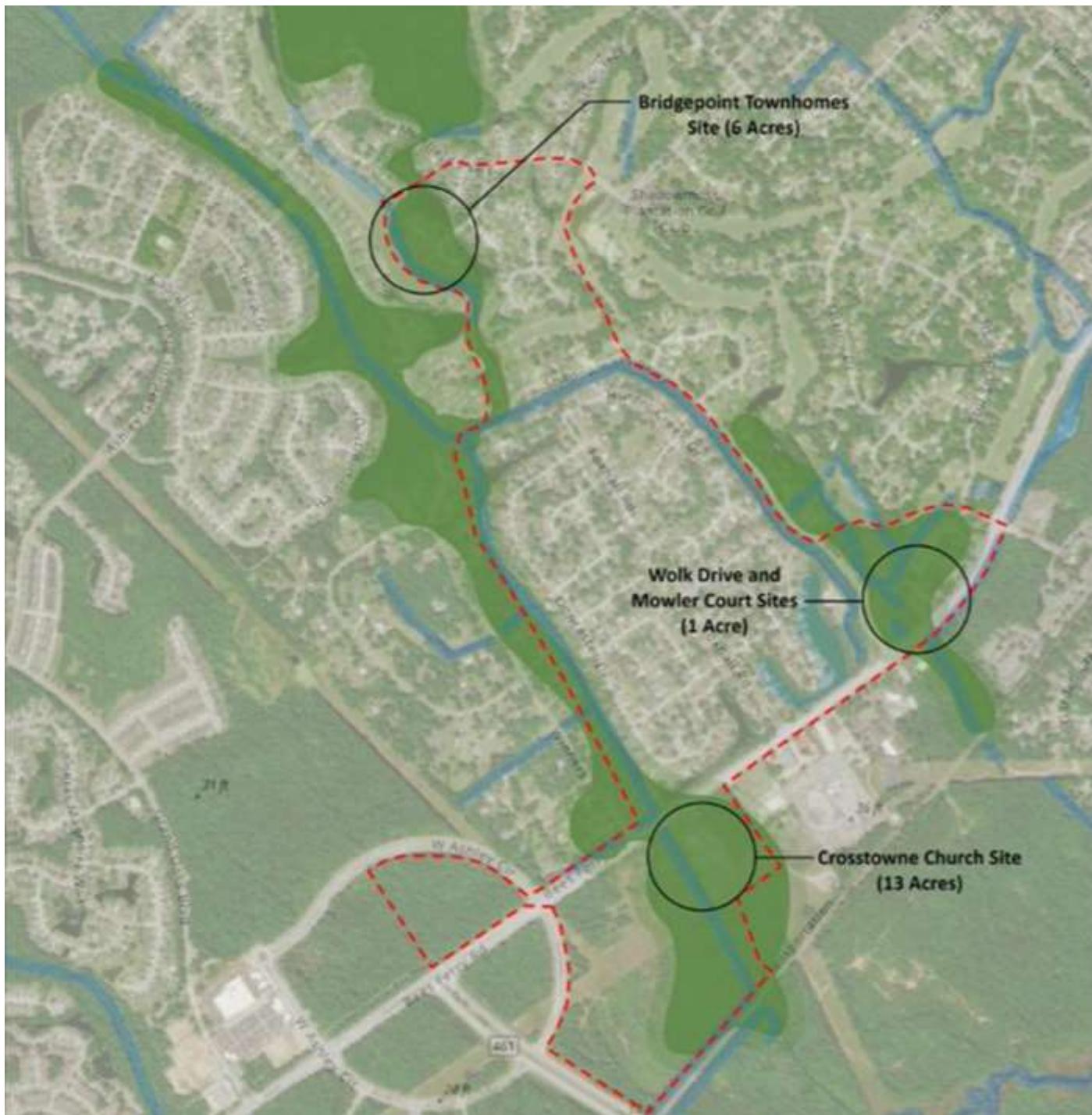
Area 3



Area 4



Church Creek Flood Storage



Church Creek – Bridge Pointe



Church Creek – Mowler Ct / Wolk Dr



SW Development Regulations

ASSESS IMPACTS OF PROJECT ON THE WATERSHED

REQUIRE UNDEVELOPED PROPERTIES IN BASINS WITH
FLOODING TO DEMONSTRATE NO NEGATIVE IMPACTS
FROM DEVELOPMENT

REQUIRE DEVELOPED PROPERTIES IN BASINS WITH
FLOODING TO COME AT LEAST PARTIALLY INTO
COMPLIANCE WITH CURRENT STANDARDS

ALSO VALUATION BASED REDEVELOPMENT ACTIVITY THAT
INCLUDES WORK INDEPENDENT OF TRADITIONAL LAND
DISTURBANCE REQUIREMENTS