



Saint Andrews Critical Infrastructure Protection and Stream Restoration Project

Community Meeting – Project Orientation
December 10, 2024
Pitt Community College
Continuing Education
Greenville Center

Saint Andrews Stream Restoration Meeting Agenda

- The Project Team
- The Problem - Severely Eroded & Rapidly Migrating Channel
- Project Funding
 - ▶ FEMA Grant
 - ▶ Greenville Stormwater Utility
 - ▶ NCEM Grant
- The Solution – Stream Restoration & Stabilization
 - ▶ Preliminary Design Review



PROJECT TEAM



Project Owner & Sponsor



Consulting Engineers & Designers



Grant Management



Community Outreach & Property Specialists

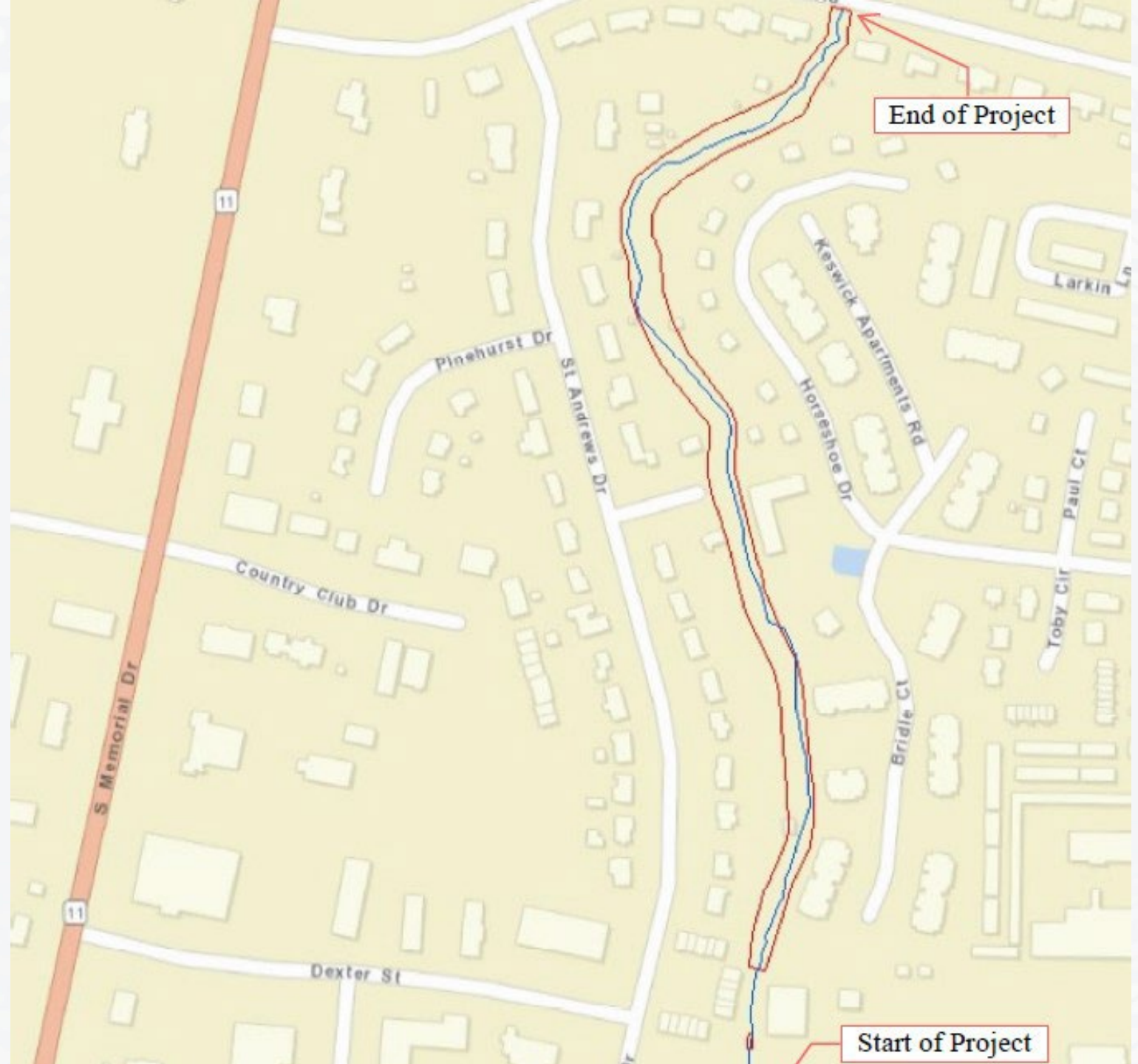
Saint Andrews Stream Restoration The Problem

- Severely Eroding Stream Banks
- Channel Widening & Sideways Migration
- Exposed & Threatened
 - ▶ Sewer Lines
 - ▶ Storm Drains
 - ▶ Electric Lines
 - ▶ Telecommunications
- Threats To Surrounding Residential Dwellings & Outbuildings



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Saint Andrews – The Problem



Saint Andrews – The Problem



Saint Andrews Stream Restoration The Solution

- › Key Elements of Stream Restoration Projects:
 - › Natural Channel Design to stabilize stream banks.
 - › Structural enhancements where necessary to reinforce the channel.
 - › Raising the channel bed to provide cover over the exposed sewer pipe, water line, and electric service lines crossing the streambed.
 - › Installing grade control structures upstream and downstream of utility crossings to provide protection.



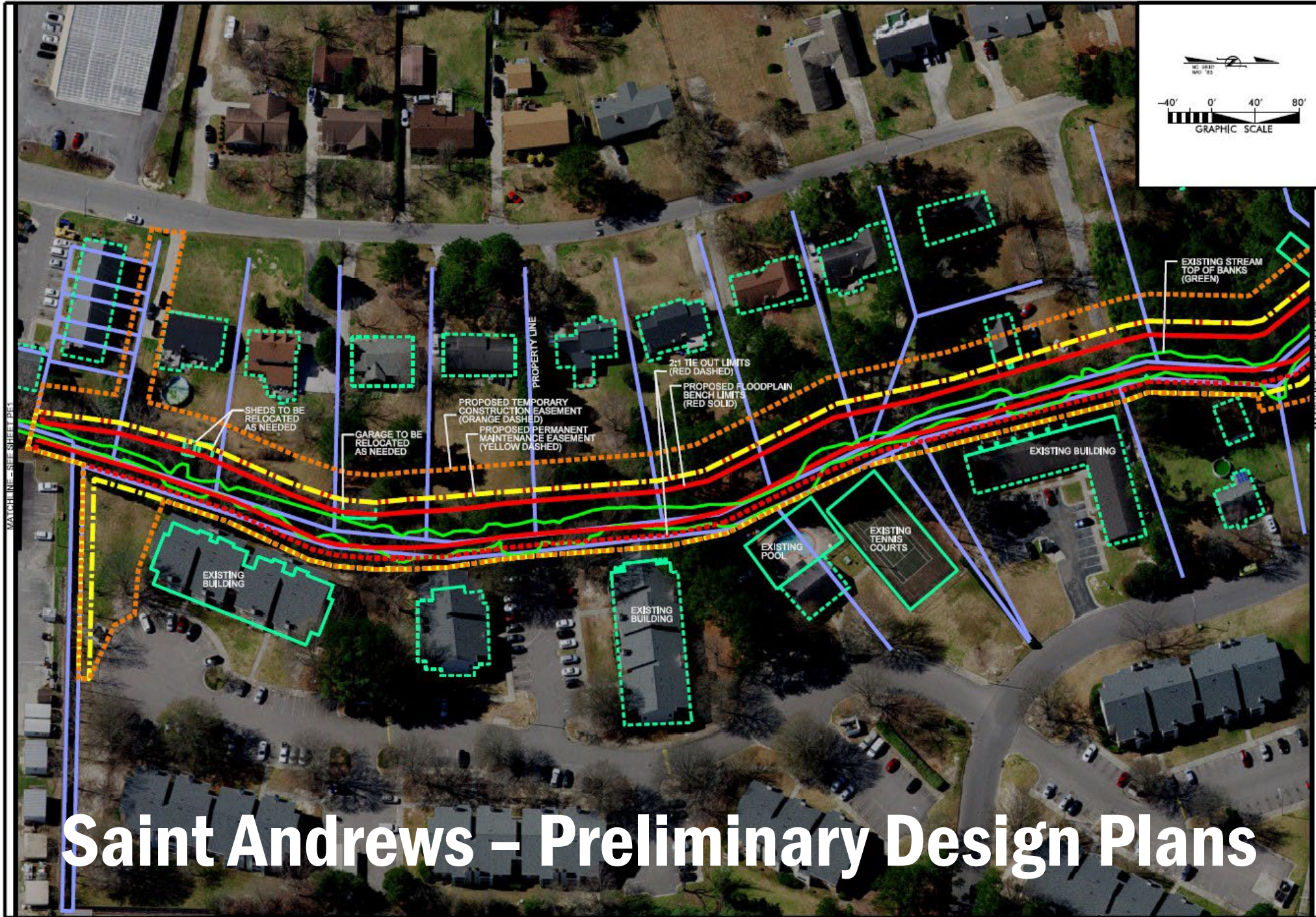
Saint Andrews – Grant Funding

- Total:\$6.8M
- FEMA
\$3.6M BRIC Grant
- NC Emergency
Management
\$2.0M DRMF Grant
- City of Greenville
\$1.2M Stormwater
Fees



Mott Creek – Before, During & After





MATCH WITH SHEETS 2024-001

NO.	DATE	REVISIONS

Greenville
WATER & POWER
Not provided in good company

KCI
REGISTERED PROFESSIONAL ENGINEERS & ARCHITECTS
 4800 FALLS OF HELEN ROAD, SUITE 200
 RALEIGH, NORTH CAROLINA 27609

**SAINT ANDREWS
 STREAM RESTORATION**
 PITT COUNTY, NORTH CAROLINA

DATE: OCTOBER 2024
 DRAWN BY: GRIFFIN
PROPOSED EASEMENTS

Saint Andrews – Preliminary Design Plans

Saint Andrews – Community Impacts

- Community Disturbance Due To Construction
 - ▶ Temporary & Mitigated
- Temporary & Permanent Easements Needed to Complete Project
- Removal of At-Risk Trees
 - ▶ Many would be undermined by stream and fall anyway.



Saint Andrews – Community Benefits

- Reduced Erosion
 - ▶ Improved Water Quality
- Stable Channel
 - ▶ Reduced Threats to Infrastructure, Dwellings, and Outbuildings
- Improved Aesthetics
- Reduced Water Surface (Flooding) Elevations
 - ▶ Floodplain Bench



Saint Andrews Stream Restoration Project Next Steps

- Detailed (60%) Design Development
 - ▶ Address Utility Impacts
- Permitting
 - ▶ US Army Corps
 - ▶ NCDEQ
- Landowner Outreach
 - ▶ Easement Acquisition



Saint Andrews Stream Restoration Meeting Next Steps

- Visit A Station
 - ▶ Review Plan Details
 - ▶ Ask Questions
- Visit The Project Website:





Thank you for your time!

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