



Presentation for

City of Raleigh

Laurel Hills Area

Stormwater Management Study

December 11, 2014

HAZEN AND SAWYER
Environmental Engineers & Scientists

Introductions and Meeting Format



Presentation



Group Discussion



Small Group Discussion

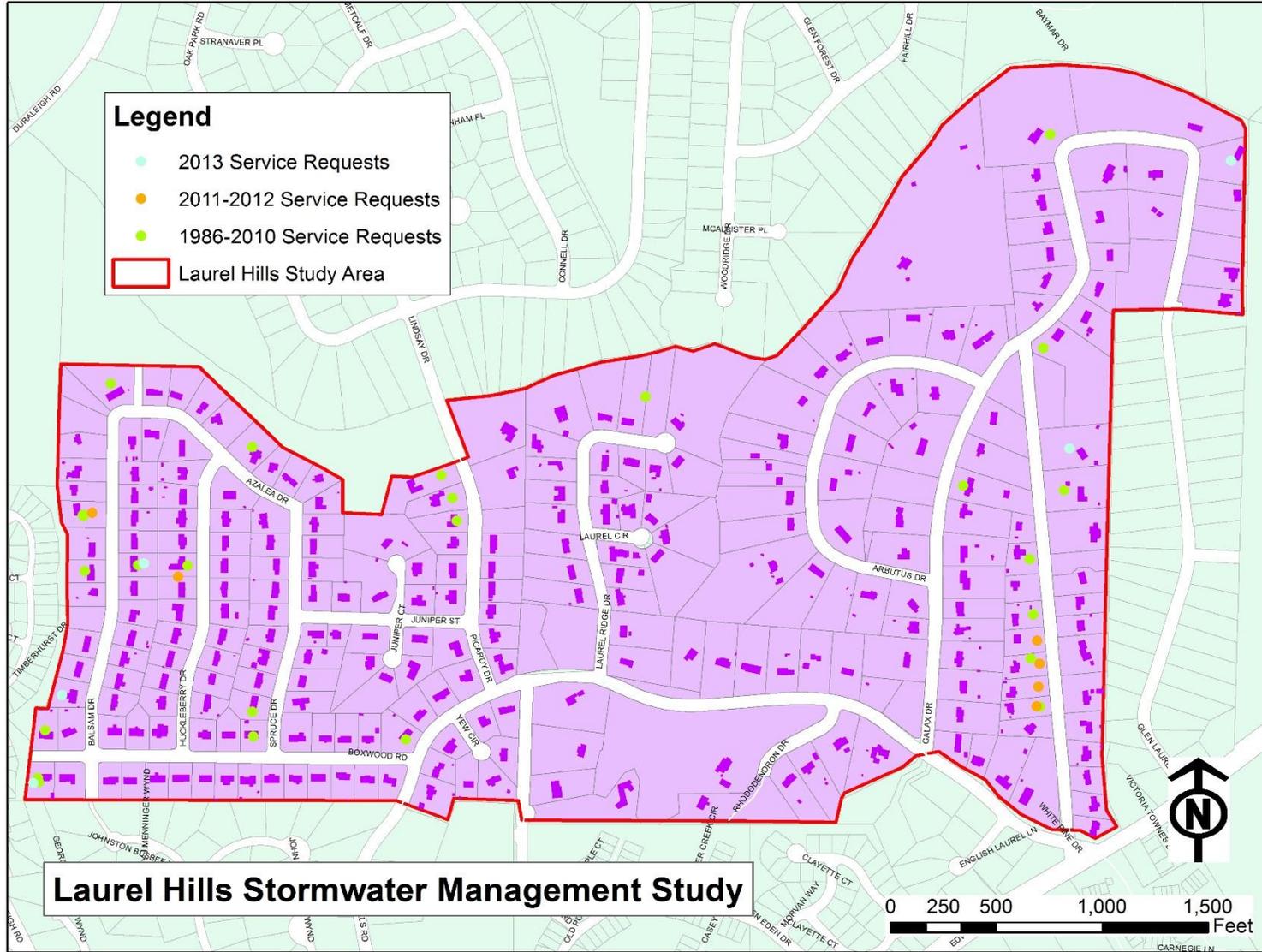
Goals for Community Meeting

Study Summary

Community Overview

Resident Discussion and Feedback

Study Summary – Study Area



Study Summary – Planning Study Steps

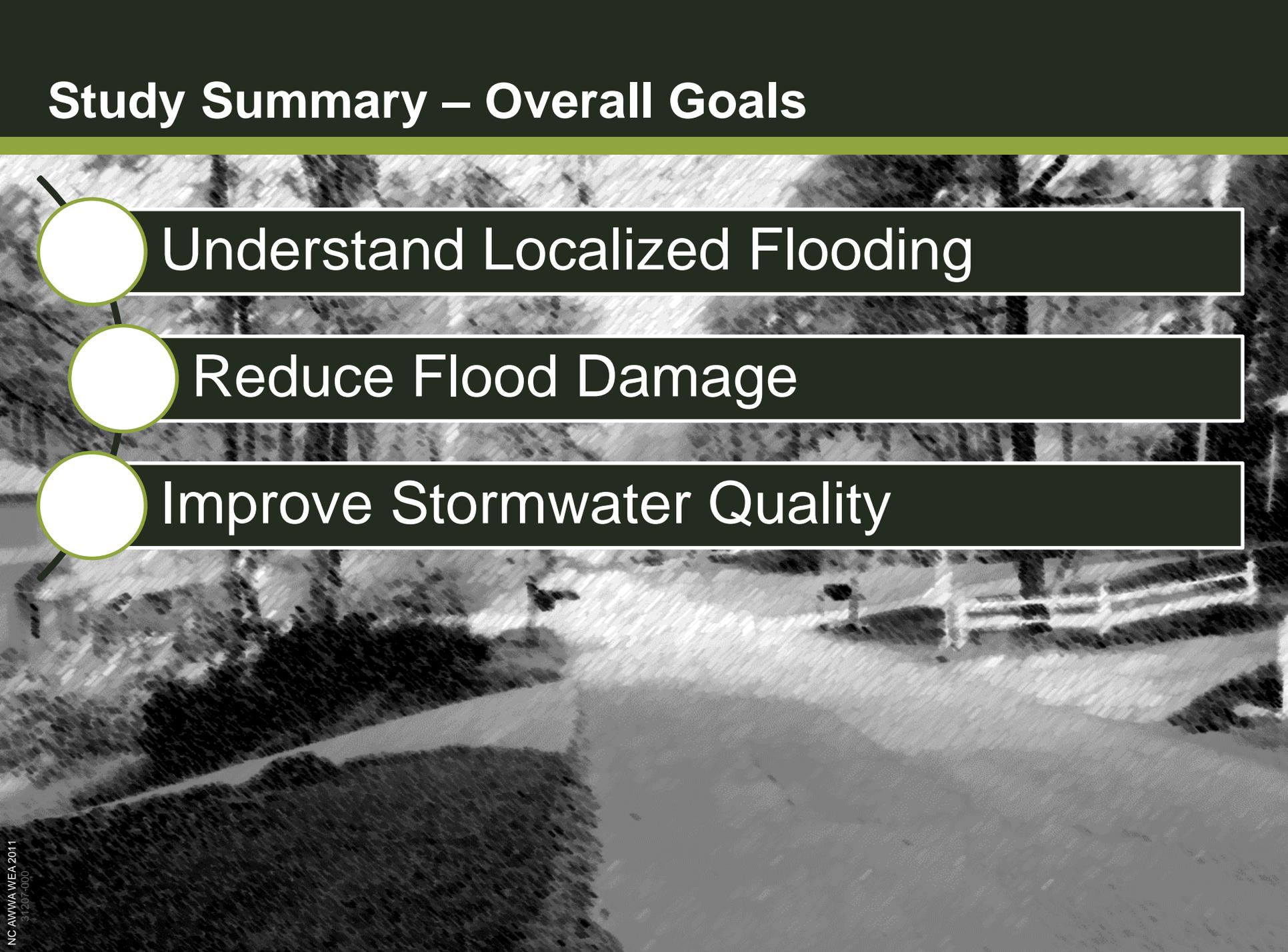
Task 1: Information Collection / Community Involvement

- **Concern Reported**
- **Field Investigation/Observations**
- **Screening**

Task 2: Study and Analyses

- **Surveying**
- **Preliminary Alternatives Analysis**
- **Community Meeting 2**
- **Final Recommendation, Concept Design, and Cost Opinions**
- **Permitting Assessment**
- **Report**

Study Summary – Overall Goals



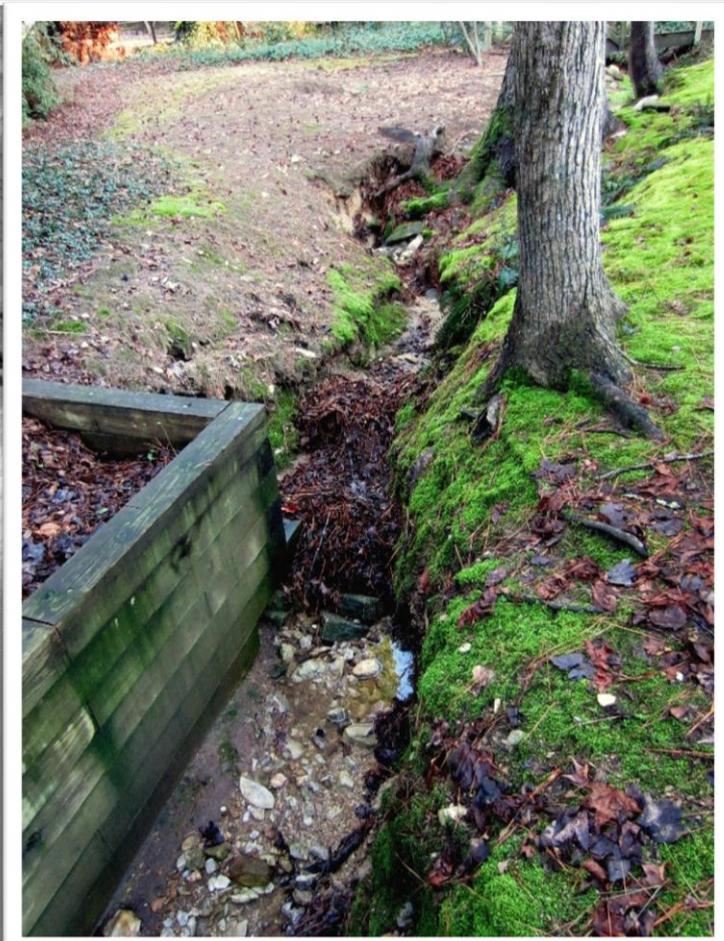
Understand Localized Flooding

Reduce Flood Damage

Improve Stormwater Quality

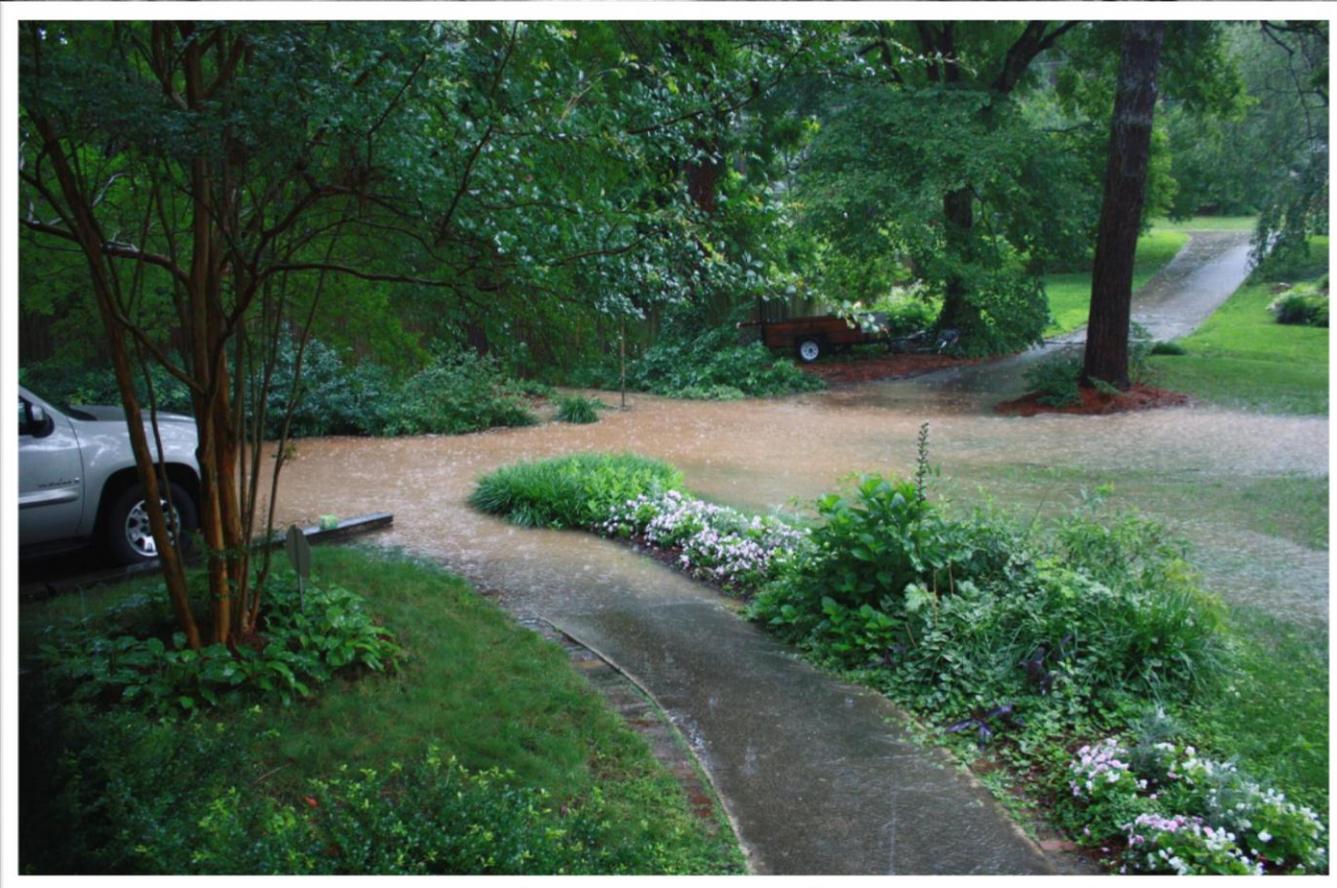
Community Overview – Concerns Observed

Erosion



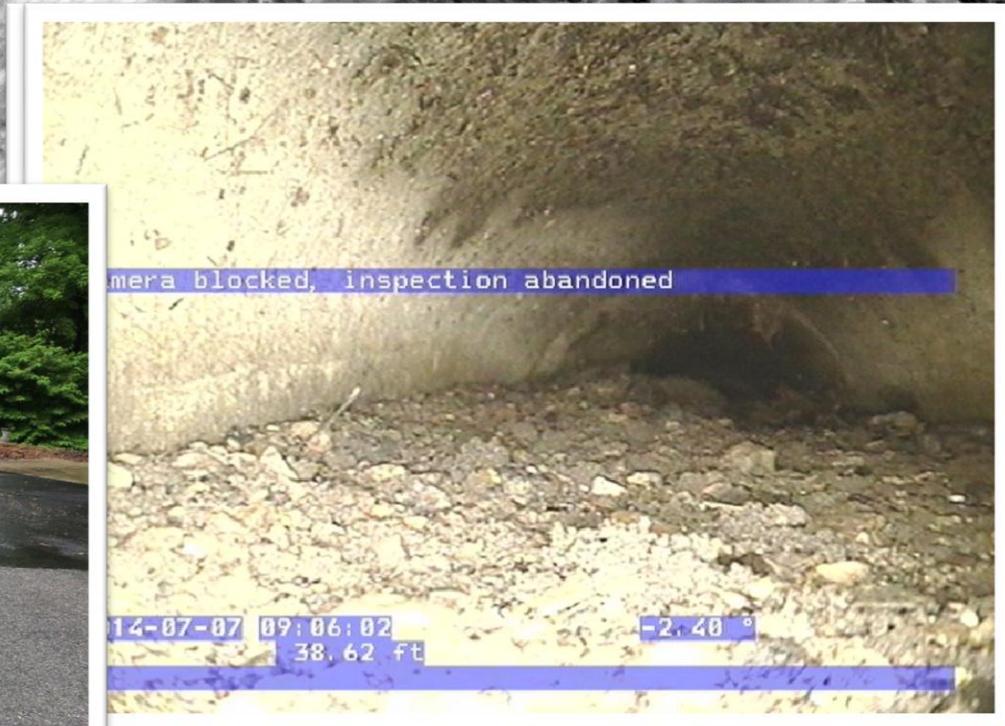
Community Overview – Concerns Observed

Yard/Building Flooding



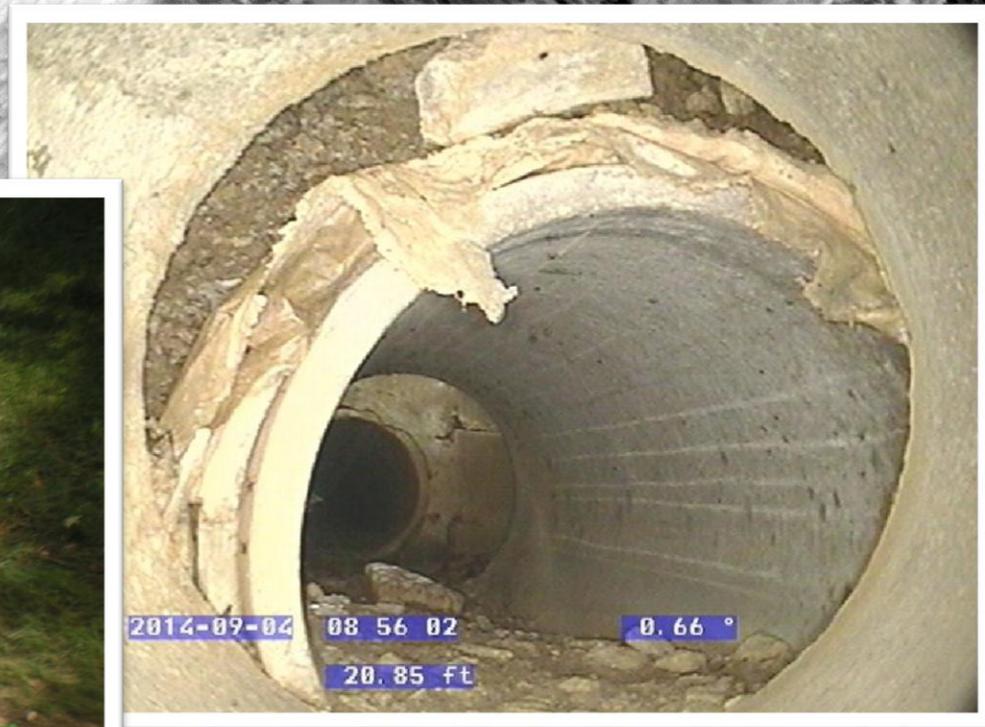
Community Overview – Concerns Observed

Infrastructure



Community Overview – Concerns Observed

Infrastructure



Community Overview – Concerns Observed

Infrastructure



Community Overview – Concerns Observed

Infrastructure



Community Overview – Concerns Observed

Infrastructure



Community Overview – Public Interest Screening



Screening Criteria

- **Public Runoff**
- **Safety**
- **Building Flooding**
- **Erosion**
- **Water Quality Benefit**

Next Steps in Study

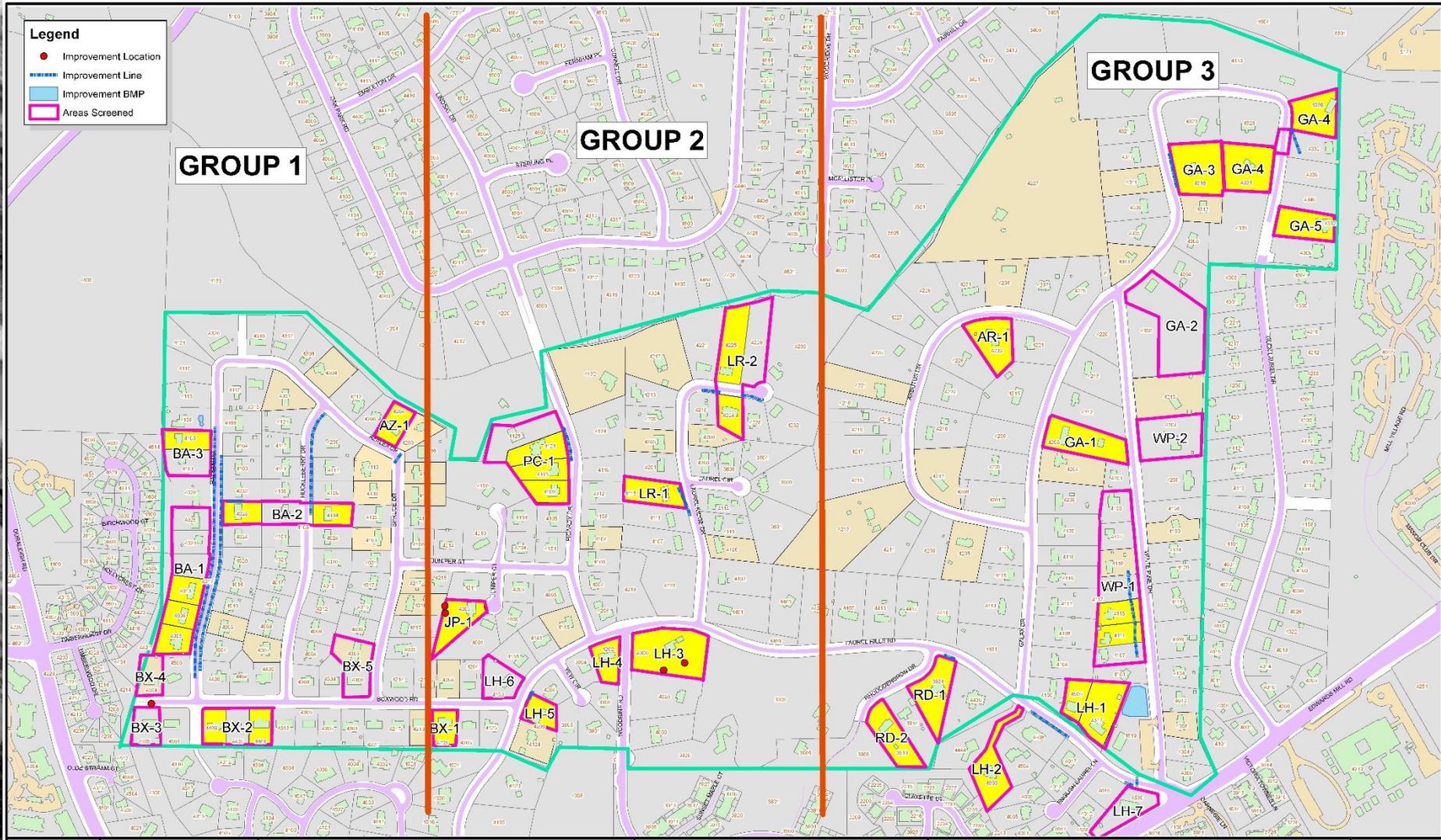
Analyze Community Feedback

Complete Alternatives Analysis

Estimate Cost and Create Conceptual Design

Provide Final Report to City (early 2015)

Small Group Discussion



Questions | Comments | General Discussion

Kevin Boyer
919-996-4009
kevin.boyer@raleighnc.gov

Travis Crissman
919-833-7152
tcrissman@hazenandsawyer.com