



# City of Gaithersburg Headwaters Drainage Study

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Community Meeting #2

June 7, 2023

Casey Community Center

# Meeting Agenda

- 6:45 – 7:00: Arrival
- 7:00 – 7:35: Project Presentation
- 7:35 – 7:55: Q&A
- 7:55 – 8:00: Wrap-Up
- 8:00: Adjourn

# Project Team

## City of Gaithersburg:

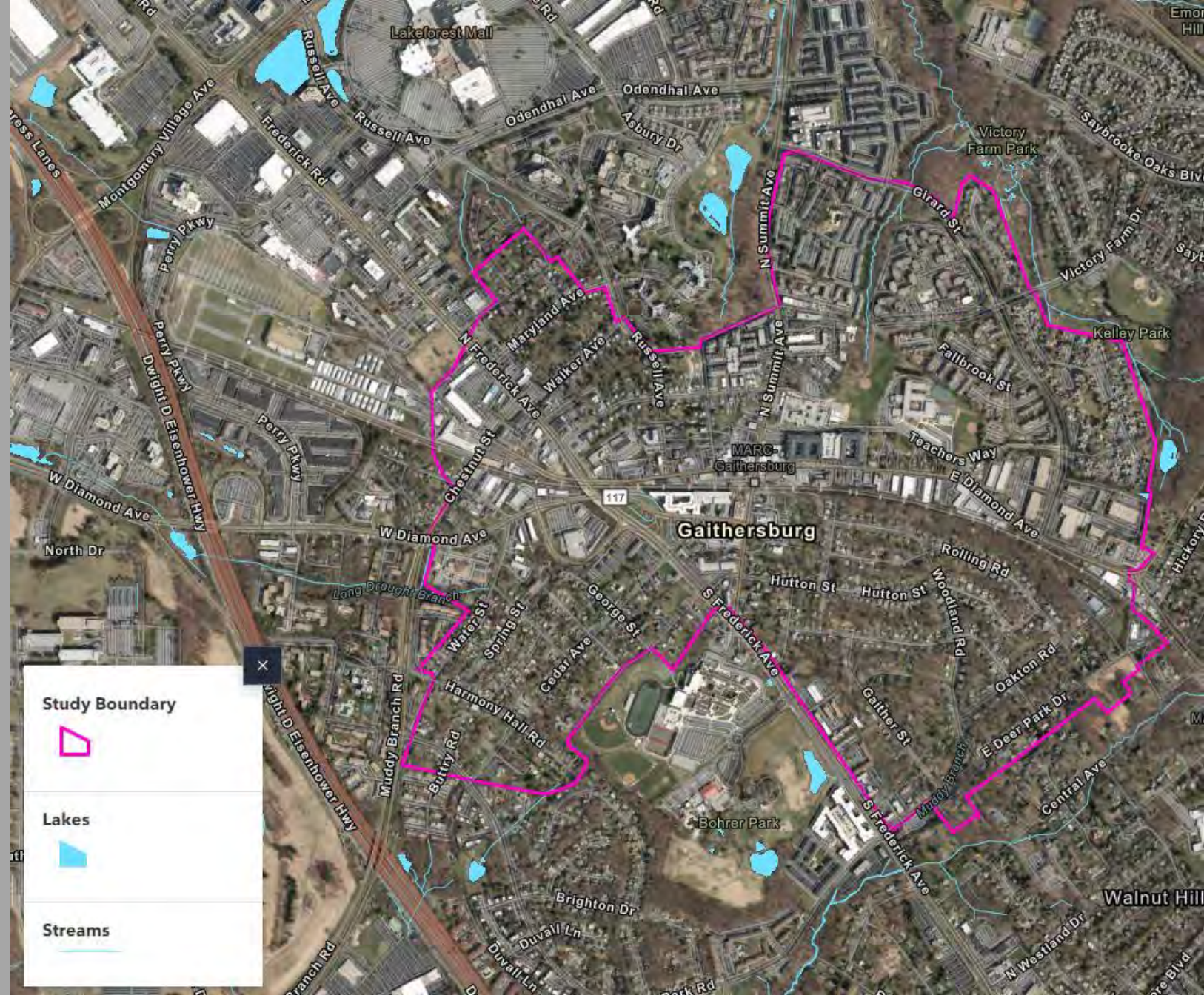
- Robert Deibert, Jr. – Project Manager
- Michael Weyand – Watershed Restoration Specialist

## Dewberry Engineers Inc.:

- Jessica Seipp – Project Manager
- Ted Saltos – Environmental Scientist

# Presentation Overview

- Project Overview
- Community Outreach
- Assessment Process
- Preliminary Results and Potential Project Options
- Next Steps

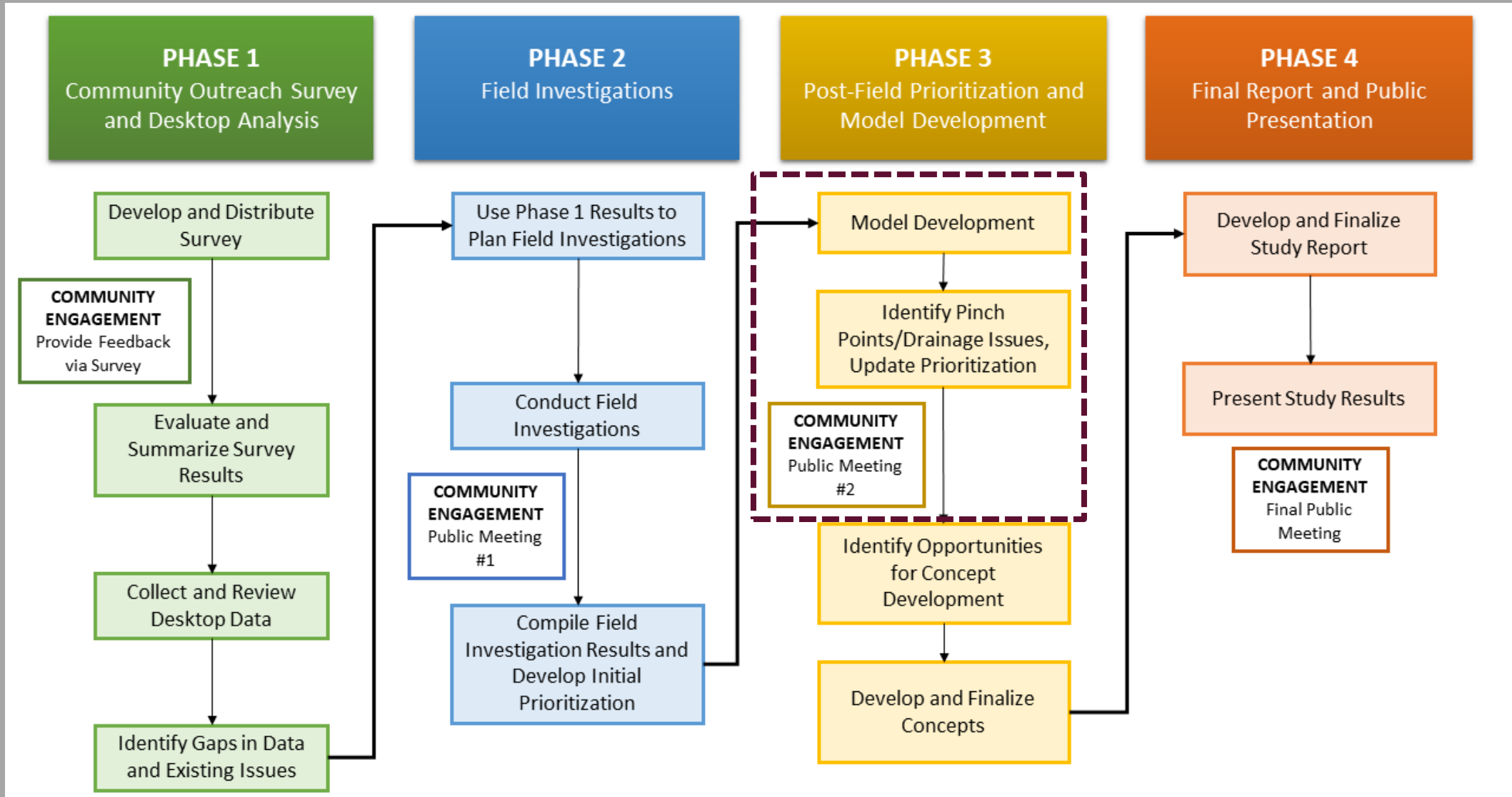


# Project Introduction

- Evaluate existing conditions & identify “pinch points” in the drainage system
- Address drainage issues within the community
- Foster stakeholder engagement
- Inform future SWM system repairs & City capital projects

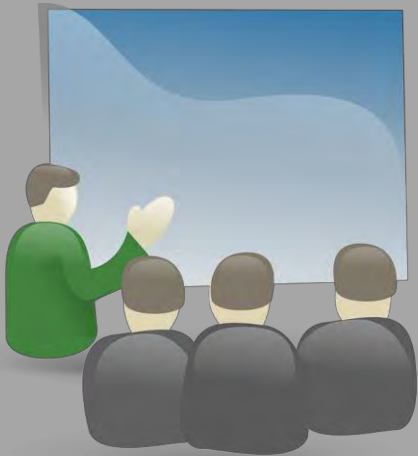


# Project Overview



# Community Outreach Efforts

- Survey
- Landowner interaction during Field Assessments
- Community Meeting #1



**“Streams form in a few minutes and run diagonally across my property; also street flooding.”**

**“Storm drain clogged...Almost flooded my friend’s house...”**

**“The water comes off the street here and becomes a creek through my backyard when we get heavy rain.”**

**“Heavy rains cause a river of storm runoff.”**

**“Heavy rains are too much for our street, there is no proper drainage.”**

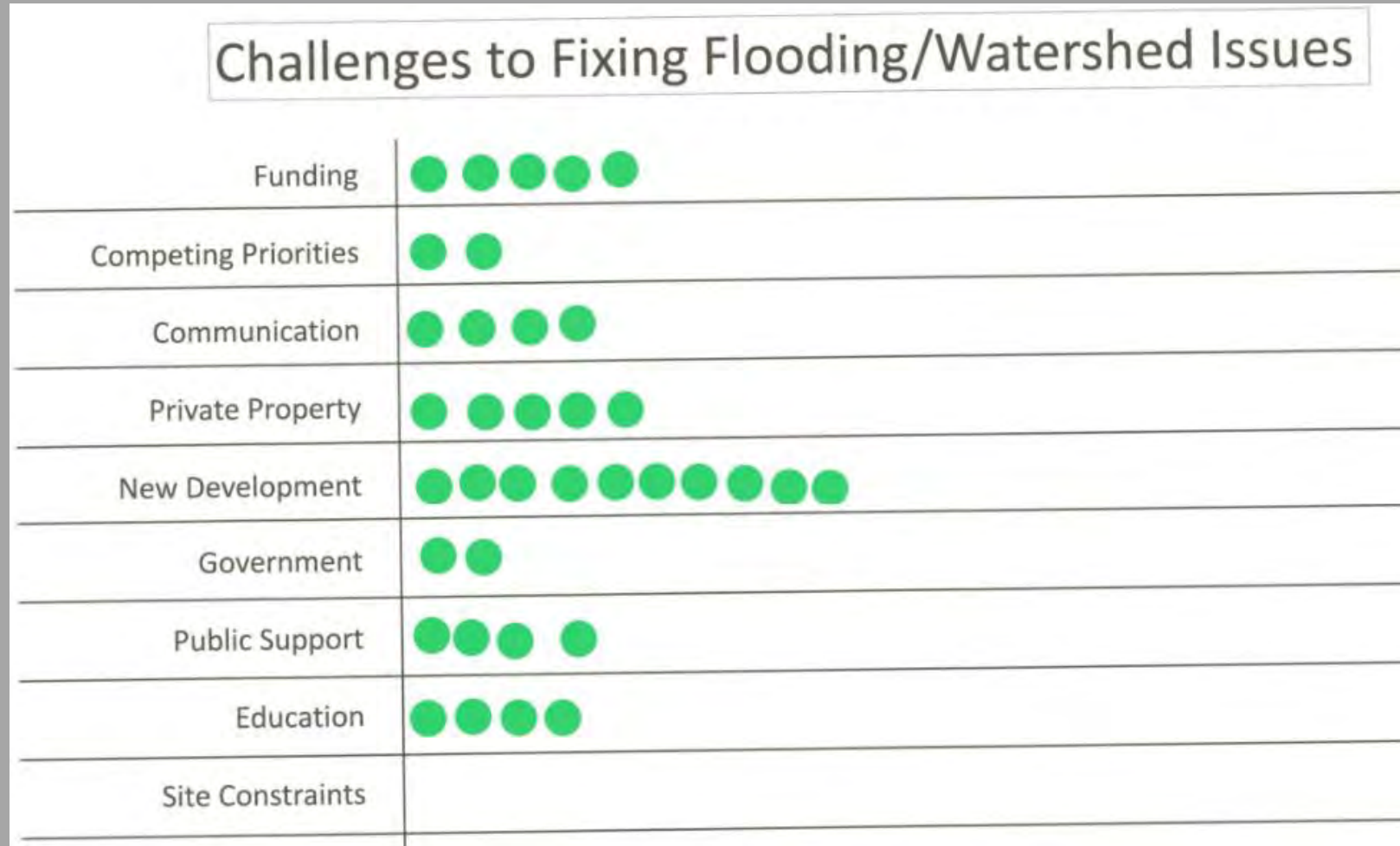
# Community Meeting #1 Results: Benefits of Watershed Planning

- Control Flood Risk
- Improved Water Quality
- Natural Areas
- Wildlife Habitat



# Community Meeting #1 Results: Challenges to Fixing Flooding/Watershed Issues

- New Development
- Funding
- Private Property



# Community Meeting #1 Results: Mitigation Strategies

## Most Preferred:

- Microbioretention
- Constructed Wetland
- Filterra Planter Box

## Least Preferred:

- Grass Swale
- Above Ground Cistern





# Assessment Process

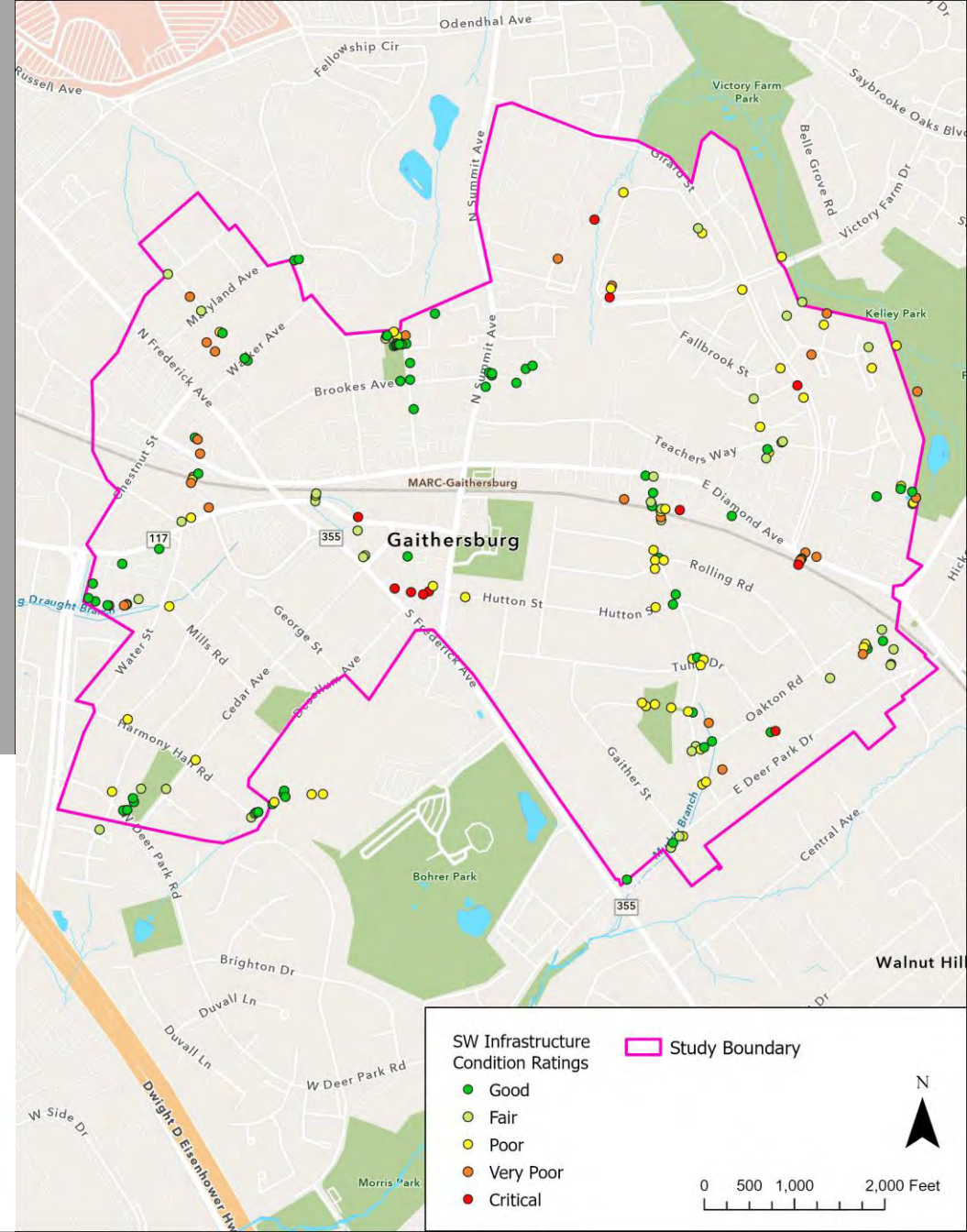
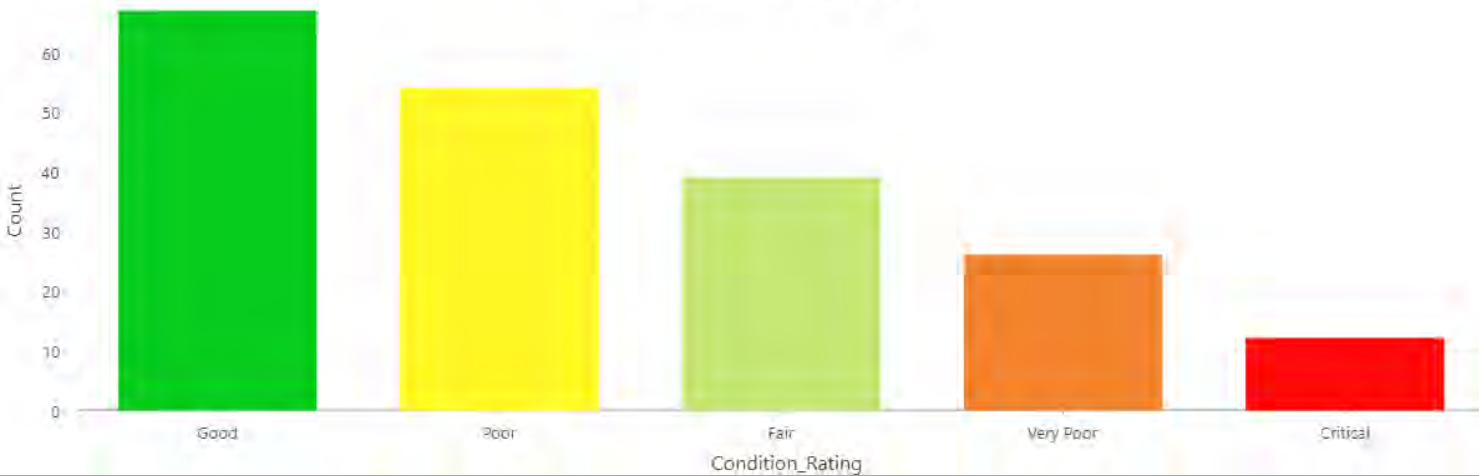
- Field assessment
  - Infrastructure condition ratings and data collection, document site conditions
  - CCTV
- Post-field prioritization
  - Evaluate field information
  - Potential project areas



# Condition Rating

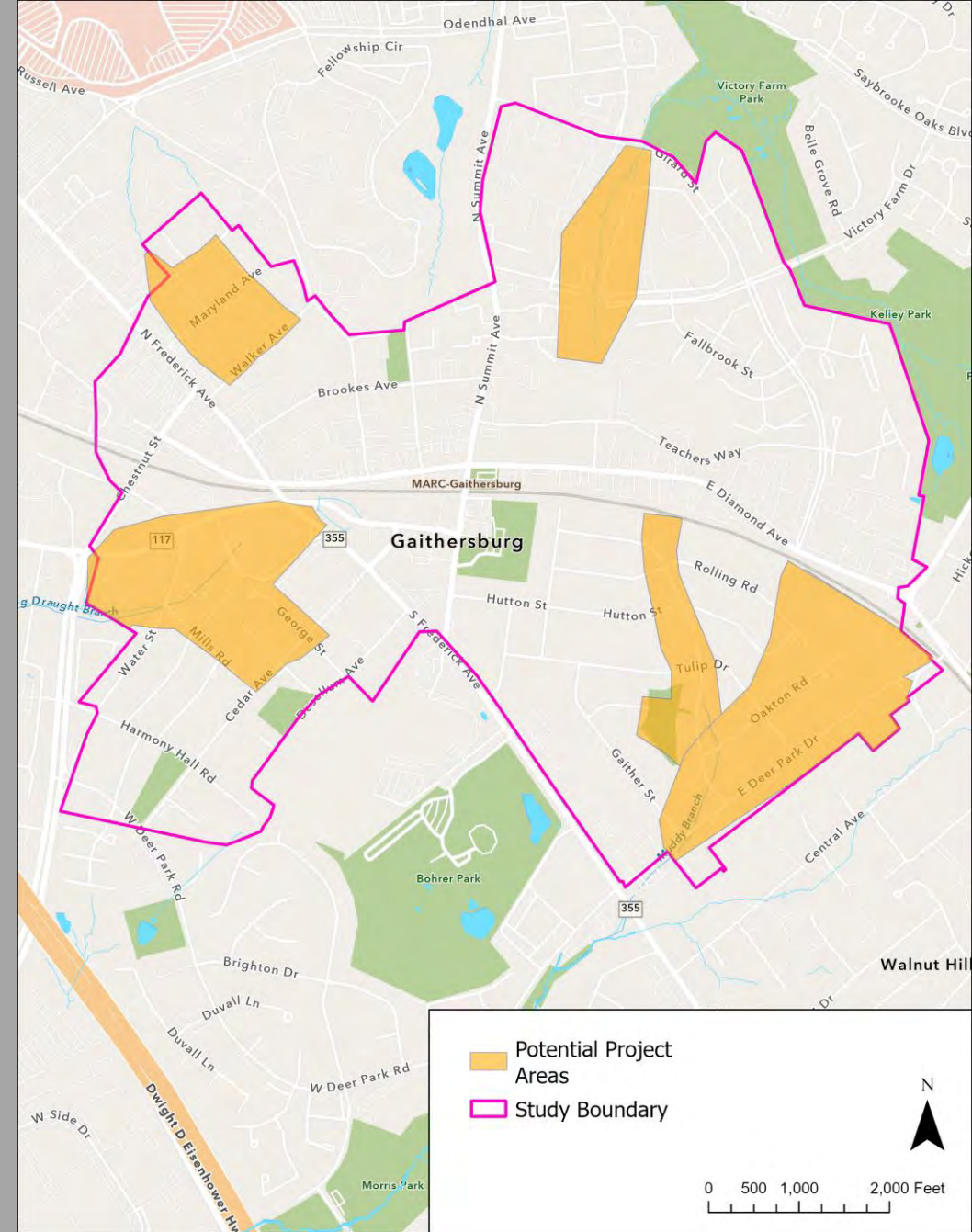


Counts by Condition\_Rating



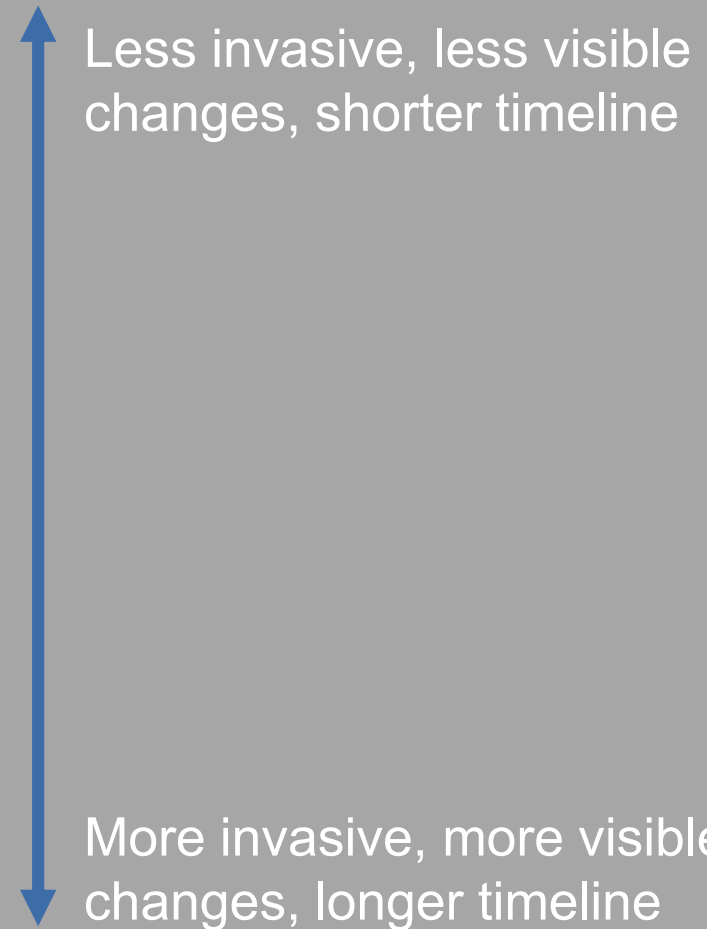
# Preliminary Results

- Potential project focus areas
  - Neighborhood/regional scale
- Smaller project and maintenance opportunities also documented
- Current planned/underway projects



# Potential Project Options

- Maintenance, repair/replace existing infrastructure
- Stormwater infrastructure retrofits and/or additions
- Supplemental projects with co-benefits
  - e.g., green practices that provide water quality treatment



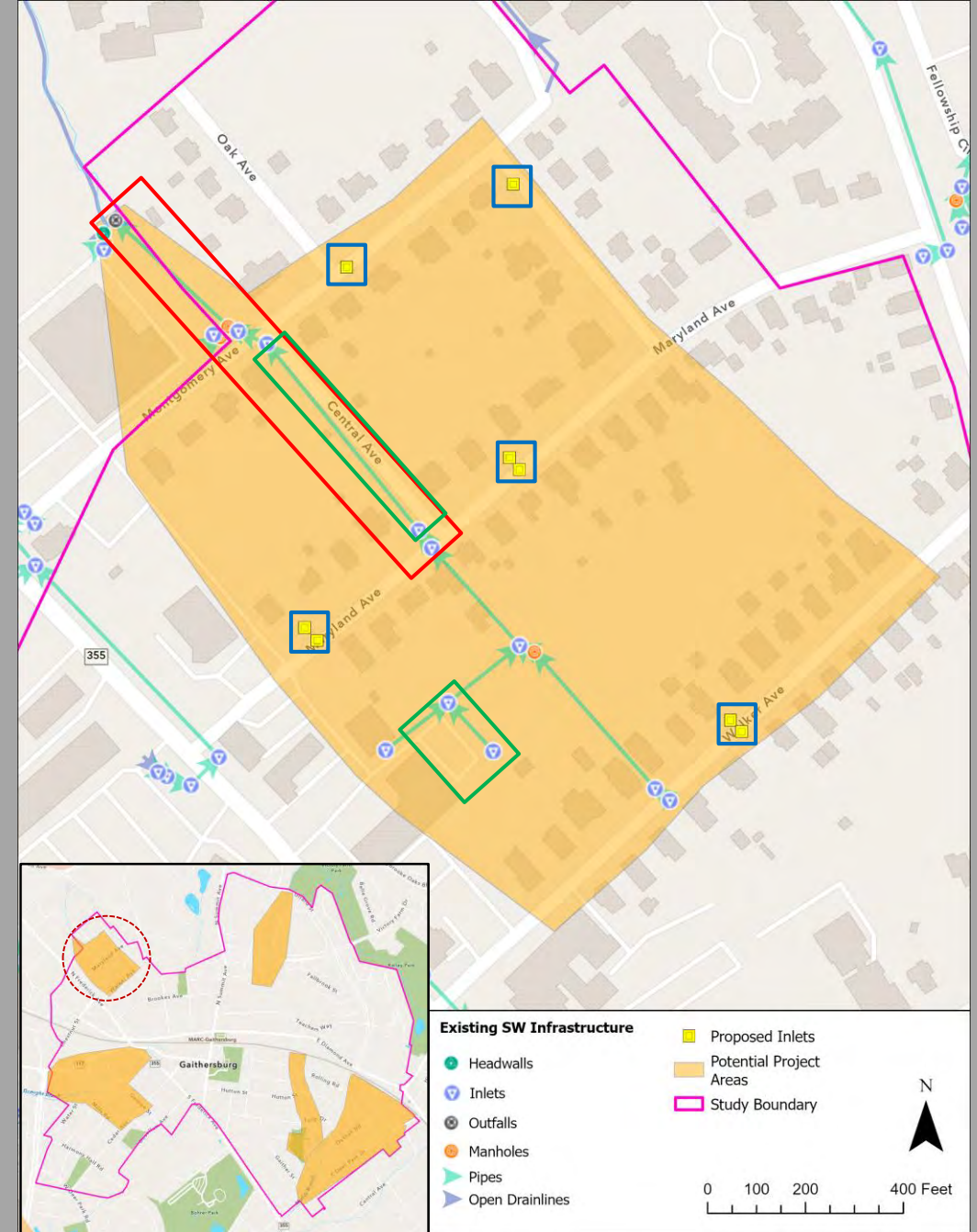
# Potential Project Areas – Maryland Ave.

## Stormwater Infrastructure Improvements:

Option A – increase pipe capacity, repair outfall

Option B – add inlets and new storm drain pipe

Option C – incorporate water quality options



# Potential Project Areas – Maryland Ave.

Examples:



# Potential Project Areas – Water Street

Stormwater Infrastructure Improvements, Mitigation:

Option A – Daylight pipe, floodplain management

Option B – add curbs/inlets, repair/retrofit existing BMPs

Option C – incorporate upstream water quality options



# Potential Project Areas – Water Street

Examples:



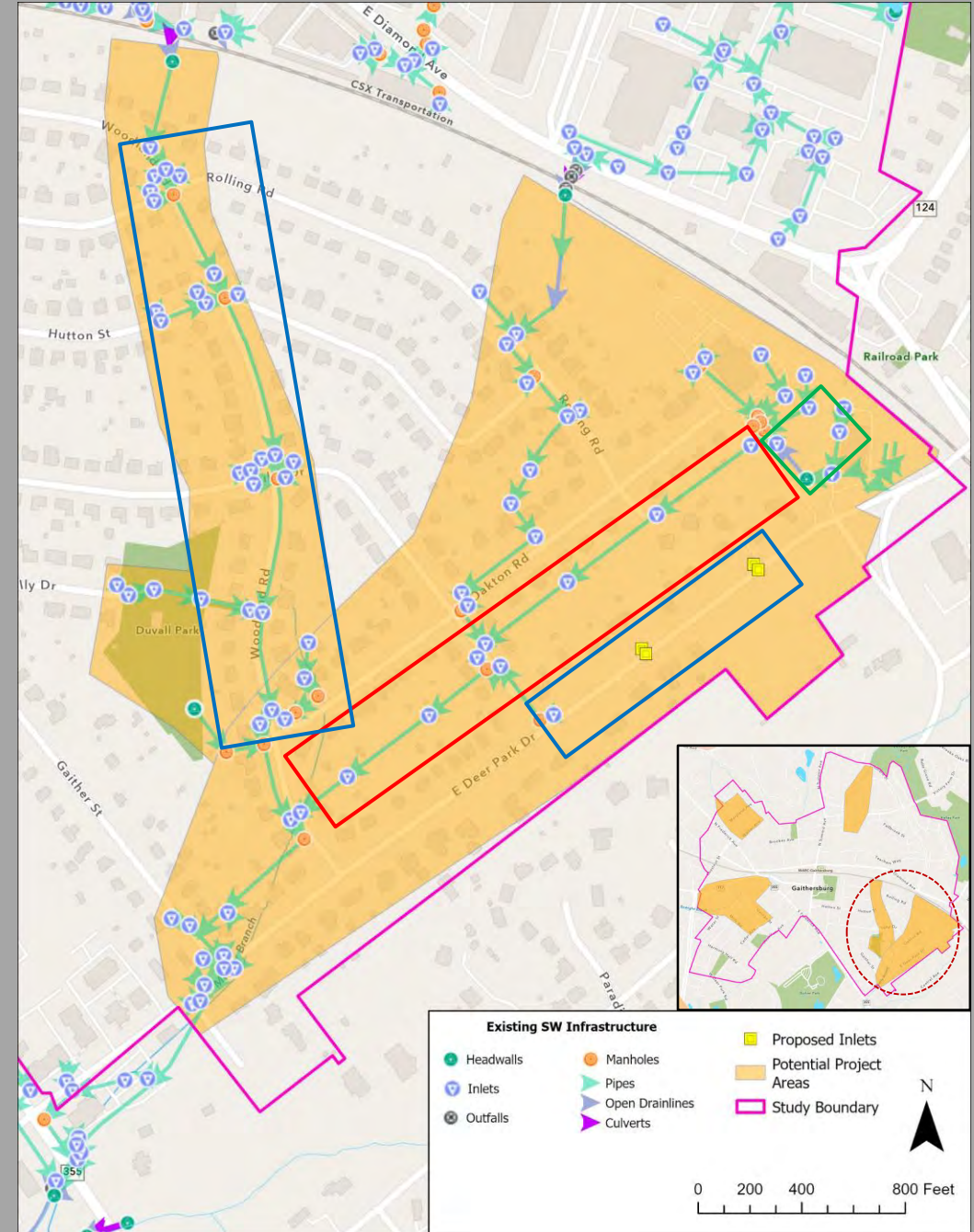
# Potential Project Areas – Woodland and E Deer Park

## Stormwater Infrastructure Improvements:

Option A – Increase pipe capacity, repair/replace inlets

Option B – Add inlets, repair/retrofit existing inlets

Option C – incorporate upstream water quality options



# Potential Project Areas – Woodland and E Deer Park

Examples:



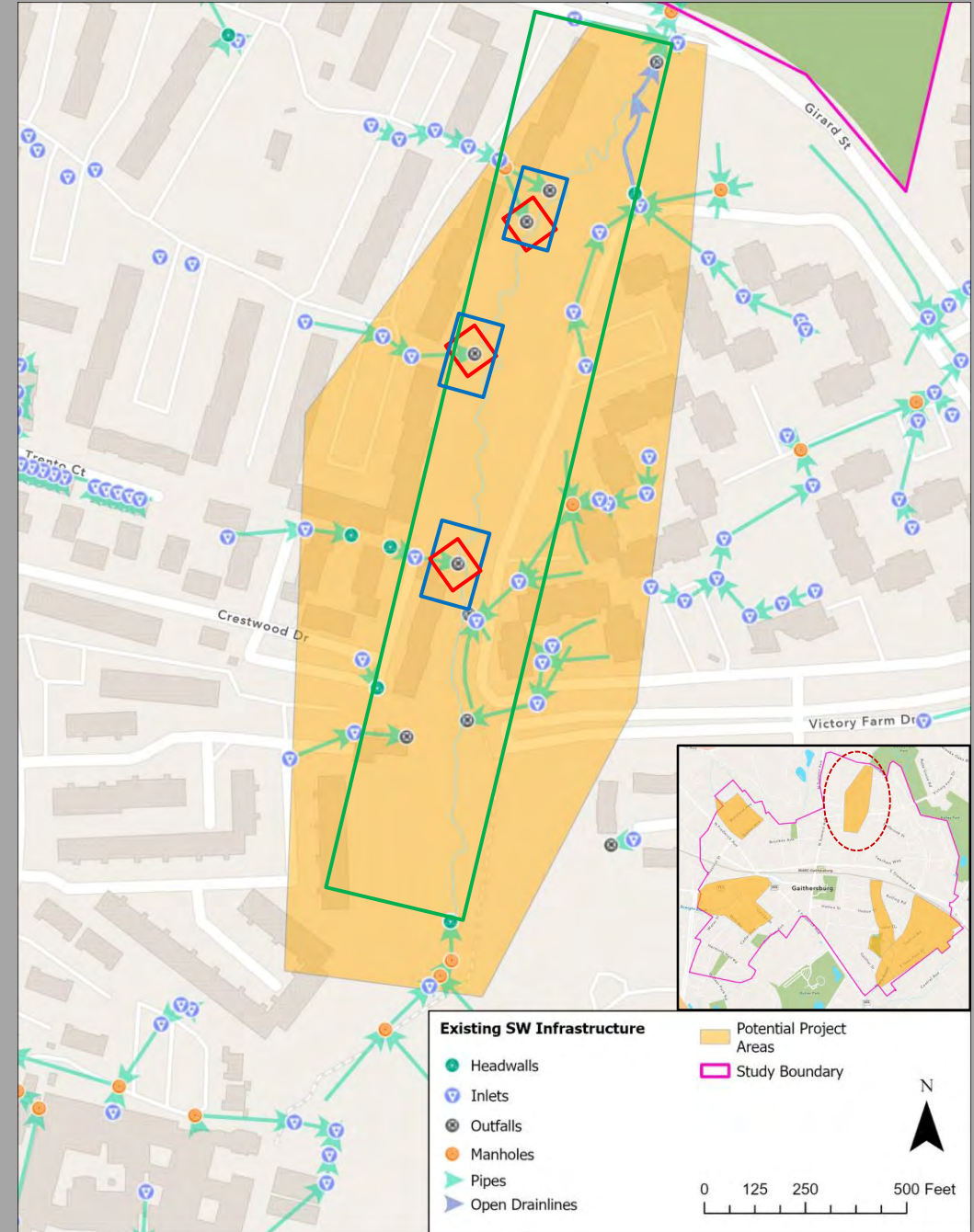
# Potential Project Areas – Upper Whetstone Run

Stormwater Infrastructure  
Improvements:

Option A – Repair outfalls

Option B – Repair/stabilize  
erosion

Option C – Stream  
evaluation/investigation

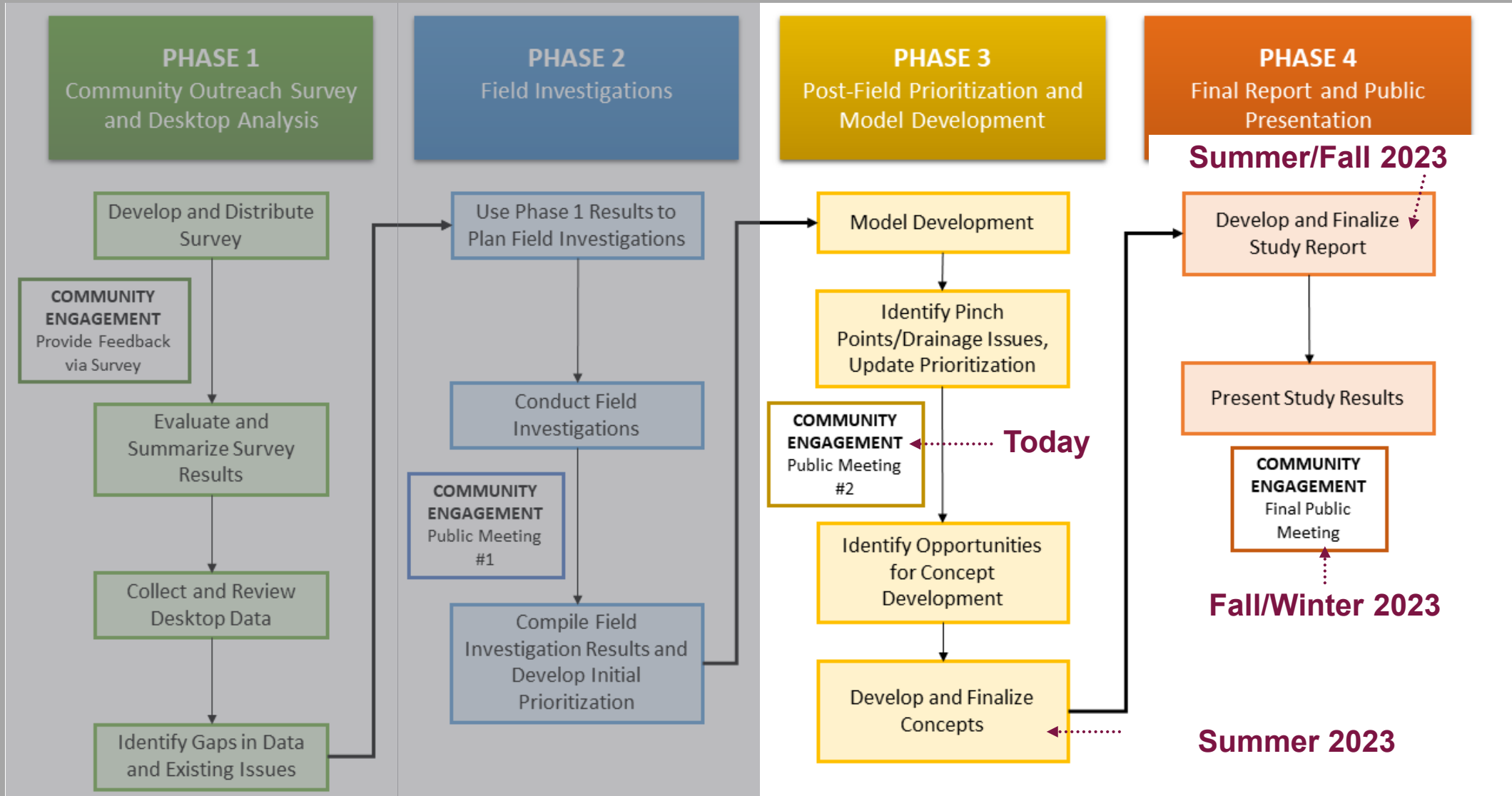


# Potential Project Areas – Upper Whetstone Run

Examples:



# Next Steps



# Questions?



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**Additional Project Information:**

<https://tinyurl.com/2p829rvm>

<https://tinyurl.com/HW-Study>