

Warren St. Flood Risk Reduction Project

September 8th, 2022





← **Localized Flooding**
Occurs away from creeks

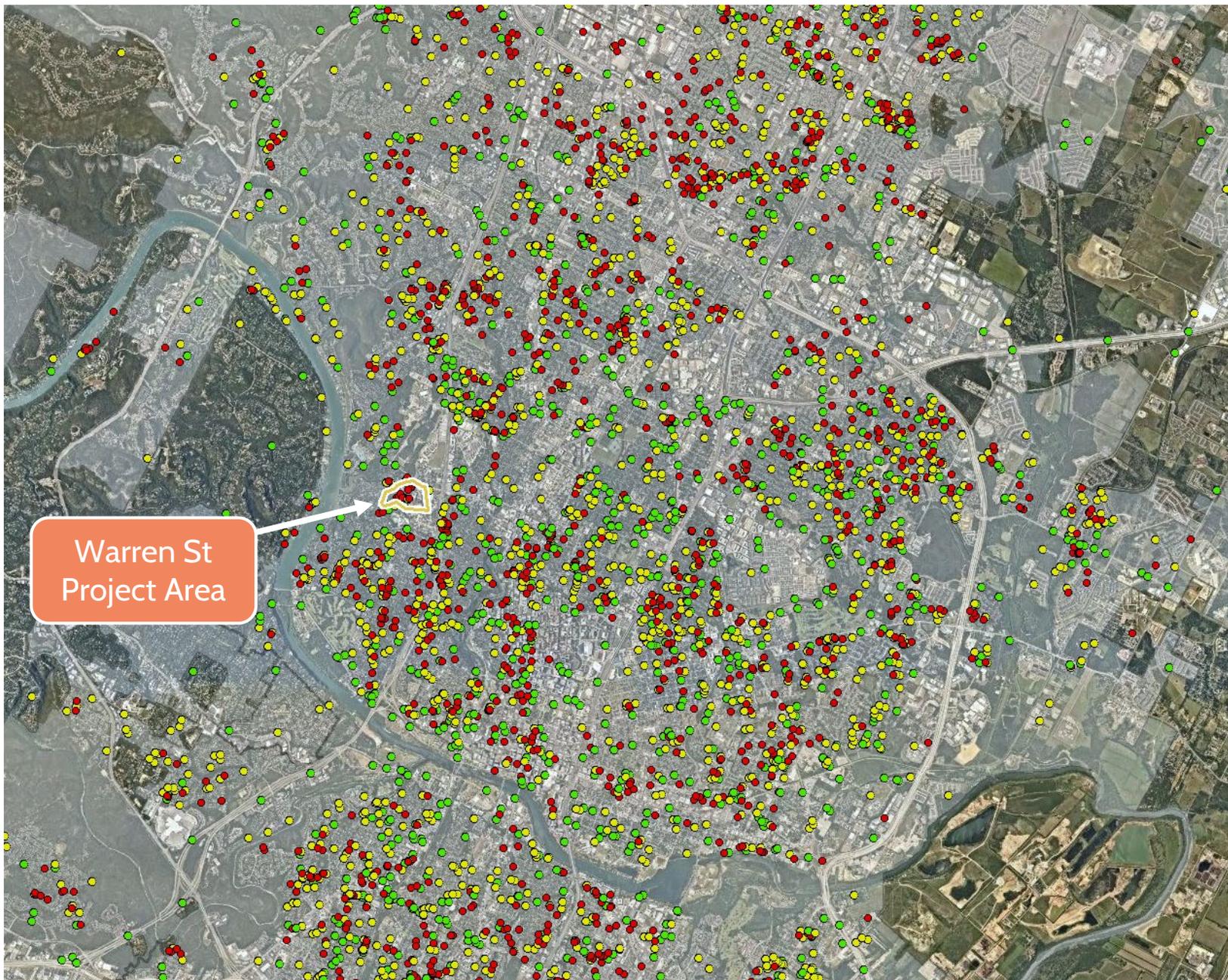
Creek Flooding →

Occurs when a creek rises over its banks.



Localized Flooding Citywide

- 6,538 Total Flooding Reports
 - 2,272 Buildings
 - 2,594 Yards
 - 1,672 Streets
- Neighborhoods built before the 1980s tend to have more drainage problems
- No quick or easy solution



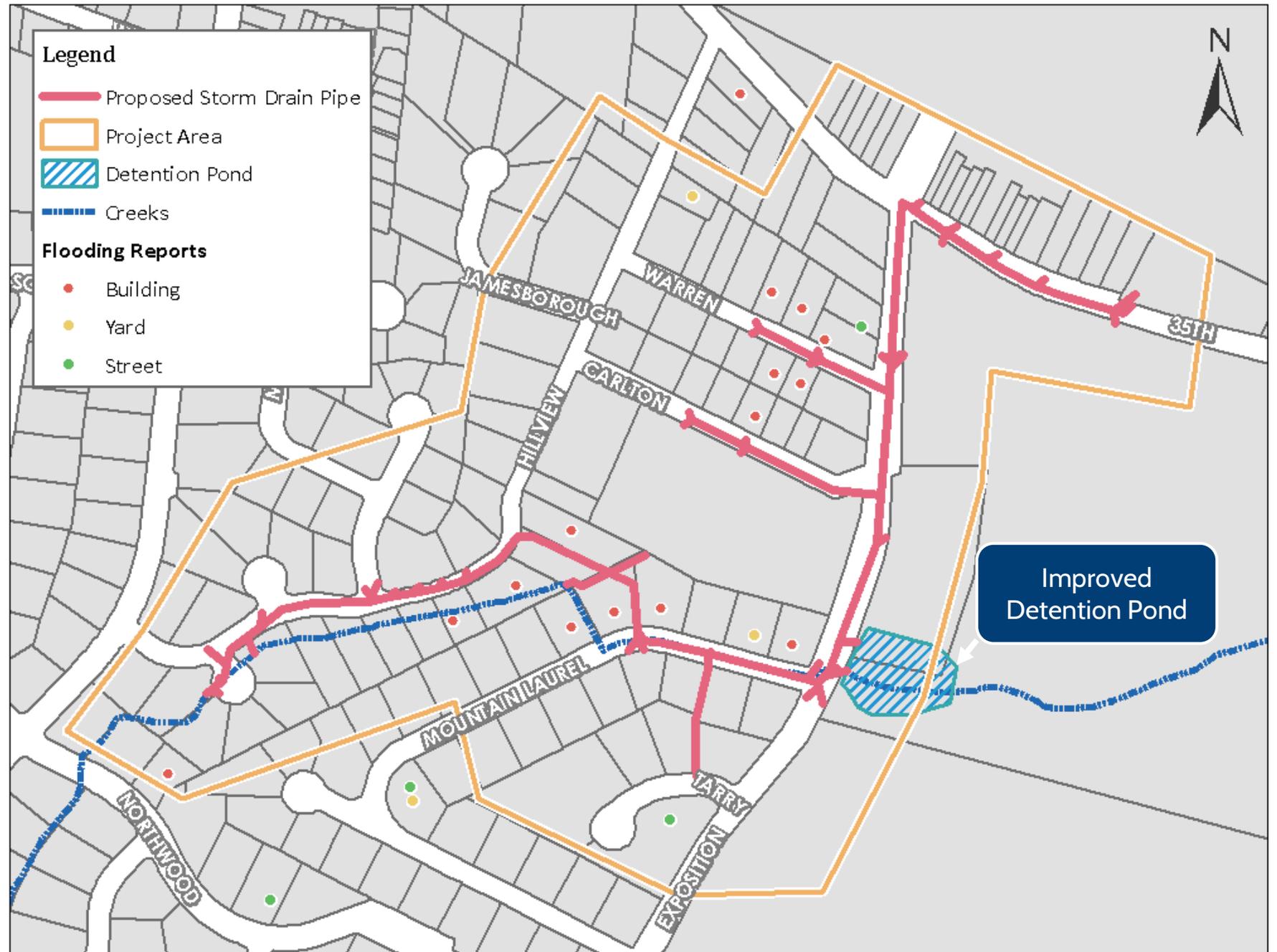
Project Introduction

- High priority area for local flooding
- Local Flooding Reports – 17
 - 14 Building
 - 1 Yard
 - 2 Street
- Existing storm drain system
 - Combination of underground pipes and open channel
 - Built in 1950s
- Main cause of flooding
 - Inadequate storm drain infrastructure



Proposed Layout

- Rerouting and enlargement of storm drain system
- System will be constructed in right-of-way where possible
- Expansion of existing detention pond to retain more flow



What is a Storm Drain System?

- System of streets, ditches, pipes and culverts
- Drains rainfall from streets to nearby creek
- Inlets are placed along curb to catch rainfall
- Streets should drain in most storms.



Components of a Storm Drain System

1. Inlets and curbs capture rainwater.



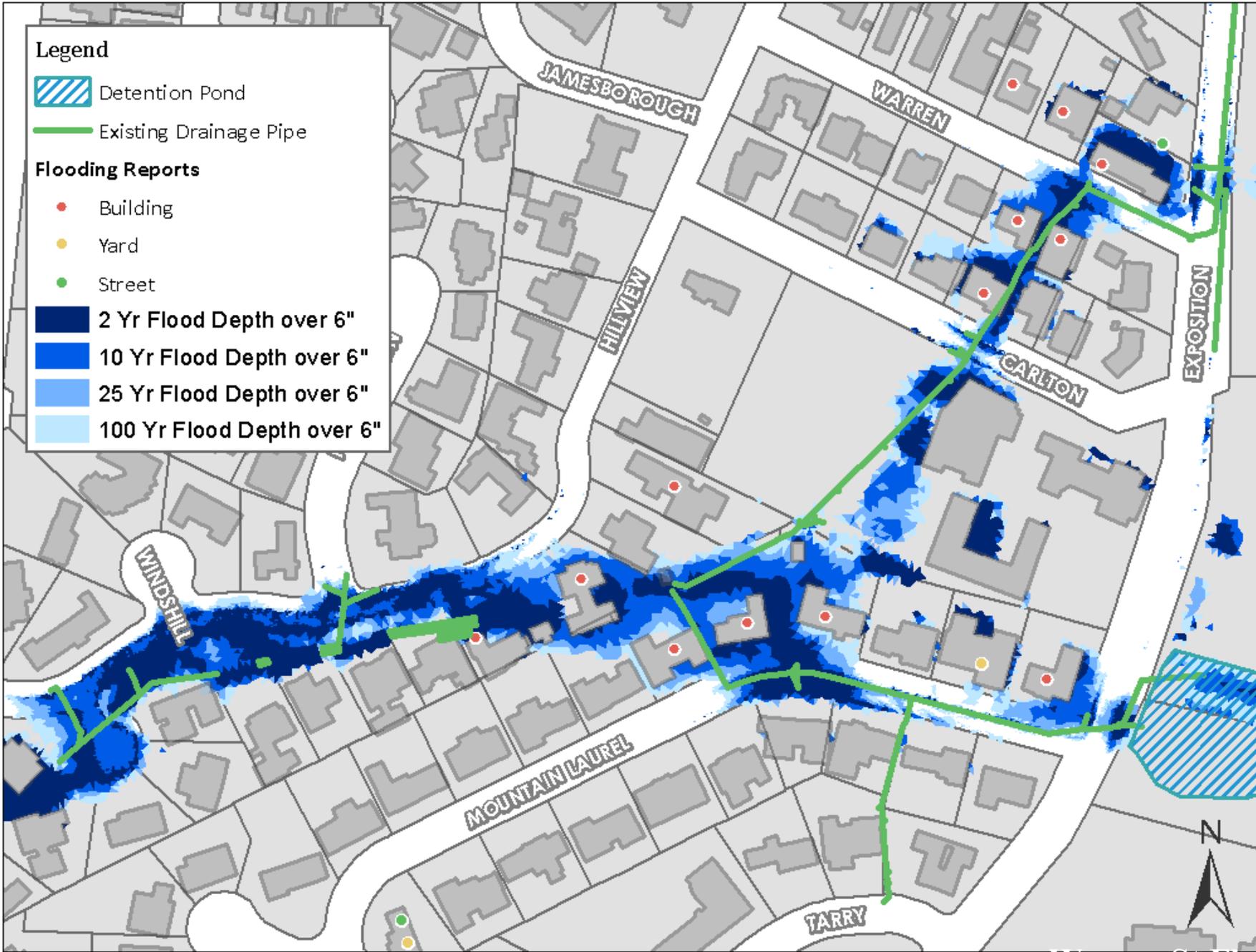
2. Underground pipes carry the water.



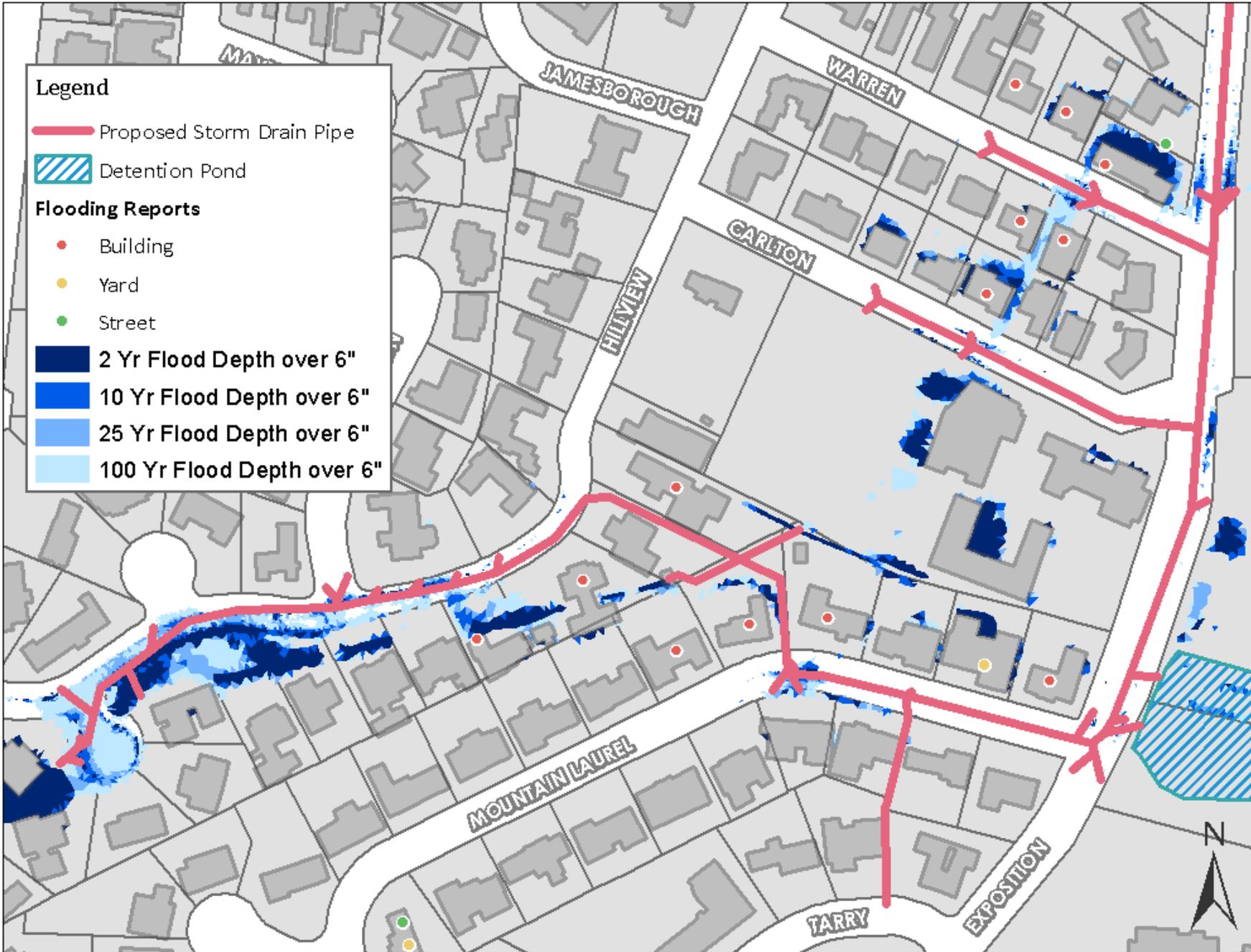
3. Rainwater is released into a creek at the outfall. Sometimes it goes to a water quality or detention pond first.



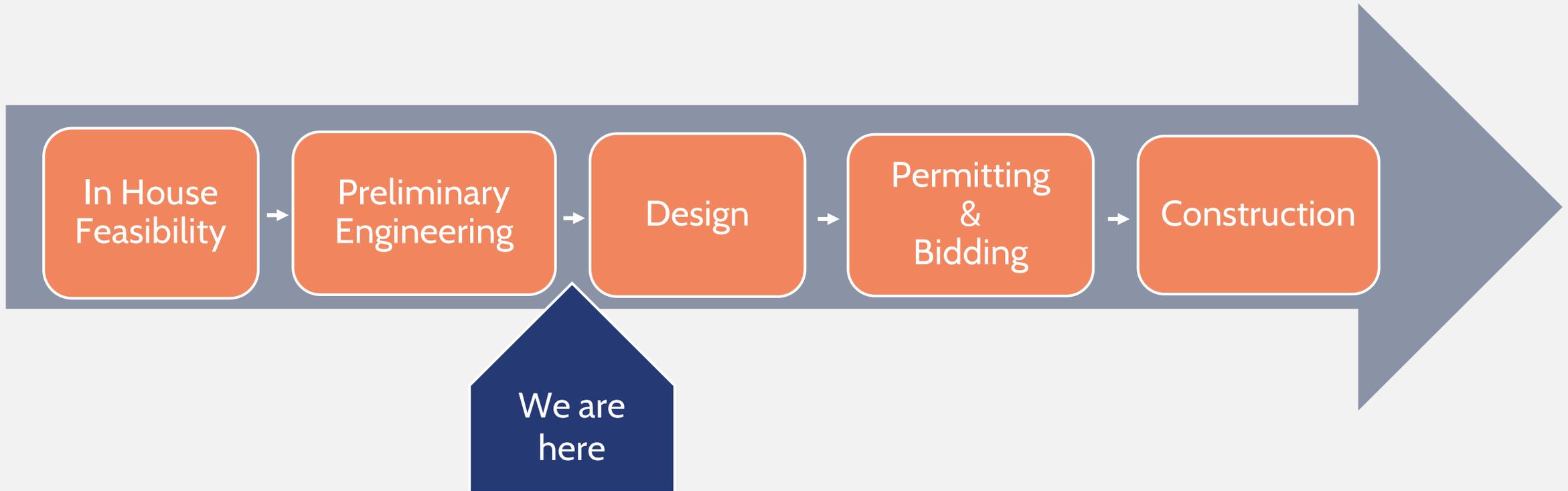
Extent of Current Flooding



Extent of Flooding Post Project



Storm Drain Capital Improvement Project Phases



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Next Steps – Project Design

- Collaboration with other City of Austin utilities in area
- Creation of detailed designs, including multiple review sessions and design iterations.
- Finalizing construction plan sets
- Bid process and construction start
- Easement and temporary workspace acquisition process



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Anticipated Project Schedule

Project Design
Fall 2022 – Fall 2025

Construction
Spring 2026 – Spring 2028

9/08/2022



Please help us...

- Help us design project effectively to meet your flooding needs
- Please provide feedback on your experience with flooding
 - Does it match with model results (video/map)?
 - What difference have you seen that is not shown in the video/map?
 - Please share details, photos, videos of your flood experience.
- To provide feedback
 - Visit project web site – <http://austintexas.gov/warren>
 - Click on the Flooding Information Form
 - Reach out to us: Scott.Avery@austintexas.gov



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Available Resources

- Report flooding and drainage concerns to 3-1-1
- Avoid improvements that impact your neighbors
- Consider purchasing flood insurance
- Email floodpro@austintexas.gov for information about flood-proofing
- Check ATXfloods.com for road closures
- Sign up for WarnCentralTexas.org & ATXfloods.com

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The image shows a composite of digital resources. At the top is the ATXfloods website interface, displaying a map of Austin with various colored markers indicating road status. A legend titled 'Low Water Crossing Status' shows a green dot for 'open' and a red dot for 'closed'. A specific location is highlighted with a red dot and a callout box: 'Colton Rd @ Cottonmouth Creek, Travis County, TX, Heavy road damage'. Below the website is a smartphone displaying the Austin 3-1-1 app interface, which includes buttons for 'New Request', 'Recent', 'My Requests', 'Favorites', 'FAQ', and 'Reporter'. To the right of the phone is a green promotional banner for Austin 3-1-1 with the text 'LET'S MAKE AUSTIN BETTER TOGETHER. austin 3-1-1' and logos for Google Play and the App Store.

Questions

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