

East Bouldin Creek Annie Street Flood Risk Reduction

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Agenda

- Introductions
- Terminology
- Project Update
- Questions



Introductions

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Watershed Protection

Protects **lives, property** and the **environment** of our community by reducing the impact of **flooding, erosion** and **water pollution**.



Capital Delivery Services

A City of Austin Department

Capital Delivery Services Department (CDS) plans, designs, builds, inspects, and delivers projects for City of Austin departments on-time and on-budget.



CAPITAL DELIVERY
SERVICES



Austin Water



Water and Wastewater Pipeline Renewal

- Aging lines cause repeated pipe breaks.
- New lines allow Austin Water to conserve water, provide more reliable service, and reduce expenditures on ongoing repairs.

Localized Flooding

Occurs away from creeks.

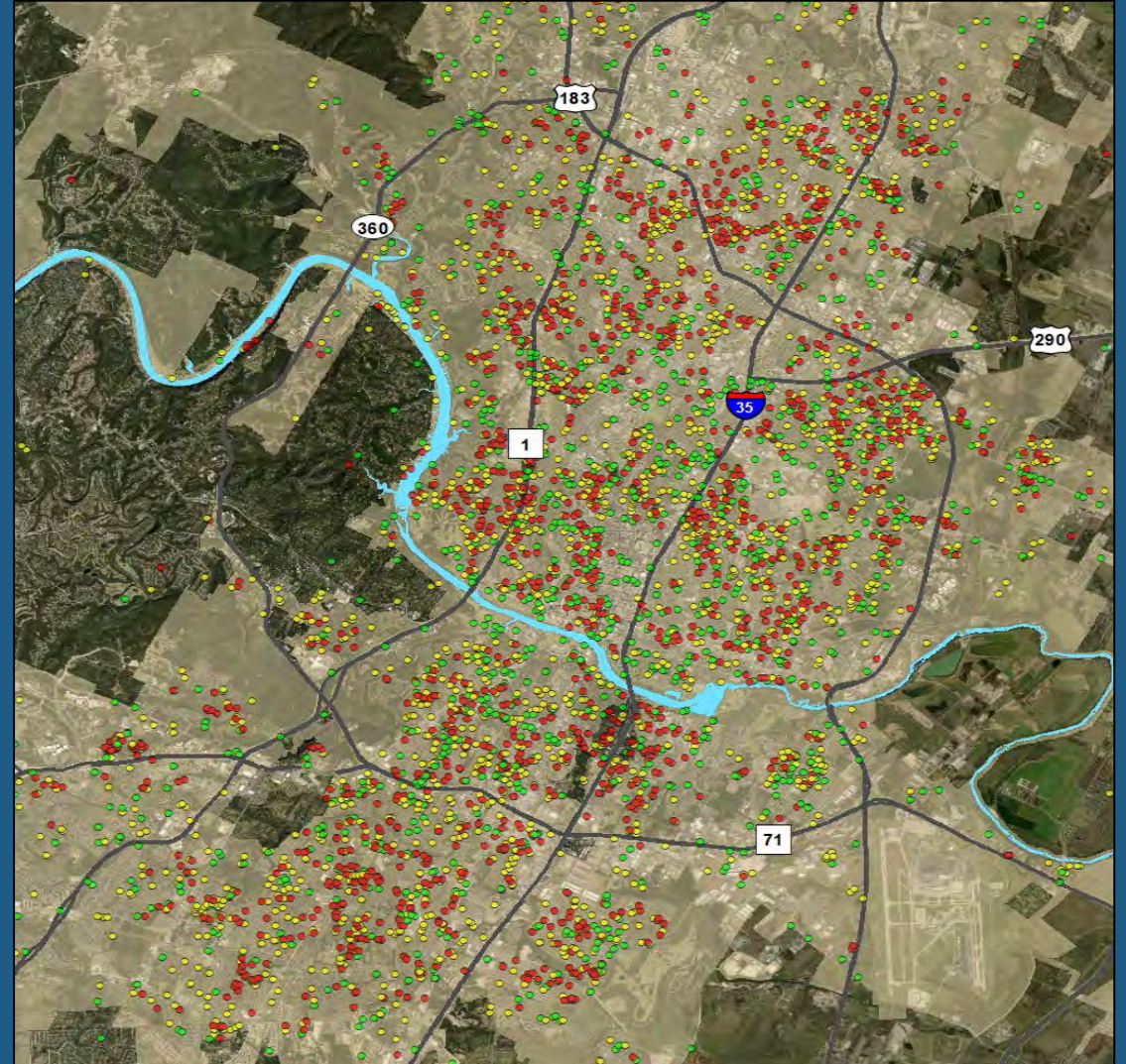


Creek Flooding

Occurs when a creek rises over its banks.

Localized Flooding Citywide

- 6,562 Total Complaints
 - 2,289 Buildings
 - 2,608 Yards
 - 1,665 Streets
- Neighborhoods built before the 1980s tend to have more drainage problems
- No quick or easy solution



Components of a Storm Drain System

1. Inlets and curbs capture rainwater.



2. Underground pipes carry the water.

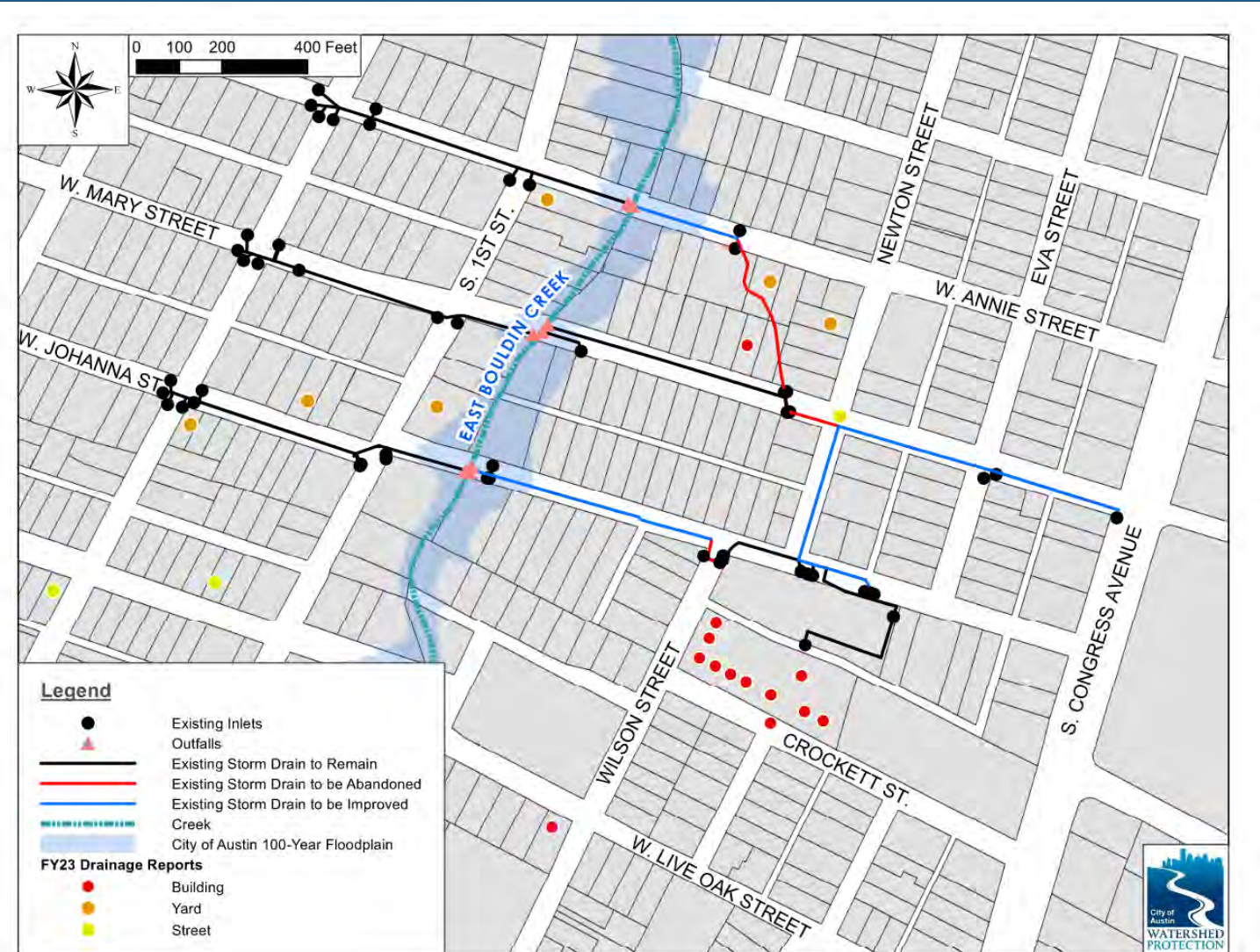


3. Rainwater is released into a creek at the outfall. Sometimes it goes to a water quality or detention pond first.



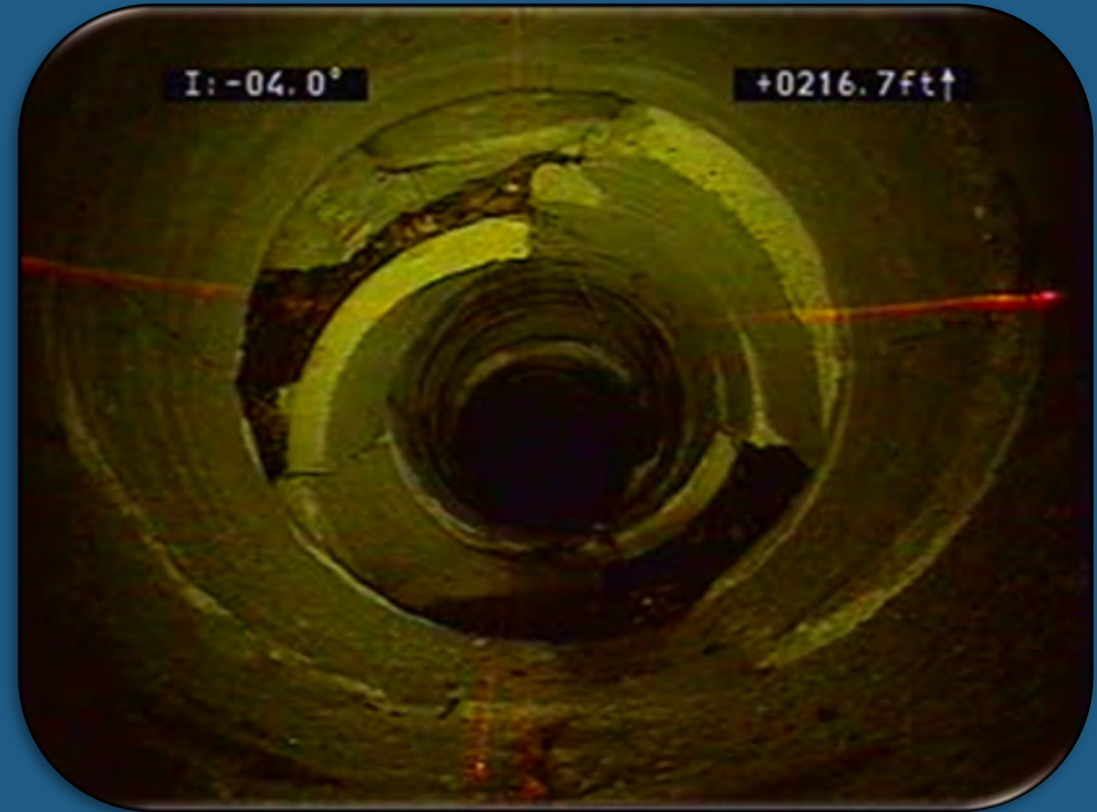
Project Introduction

- High priority area for local flooding
- Local flooding reports – 16 within project area



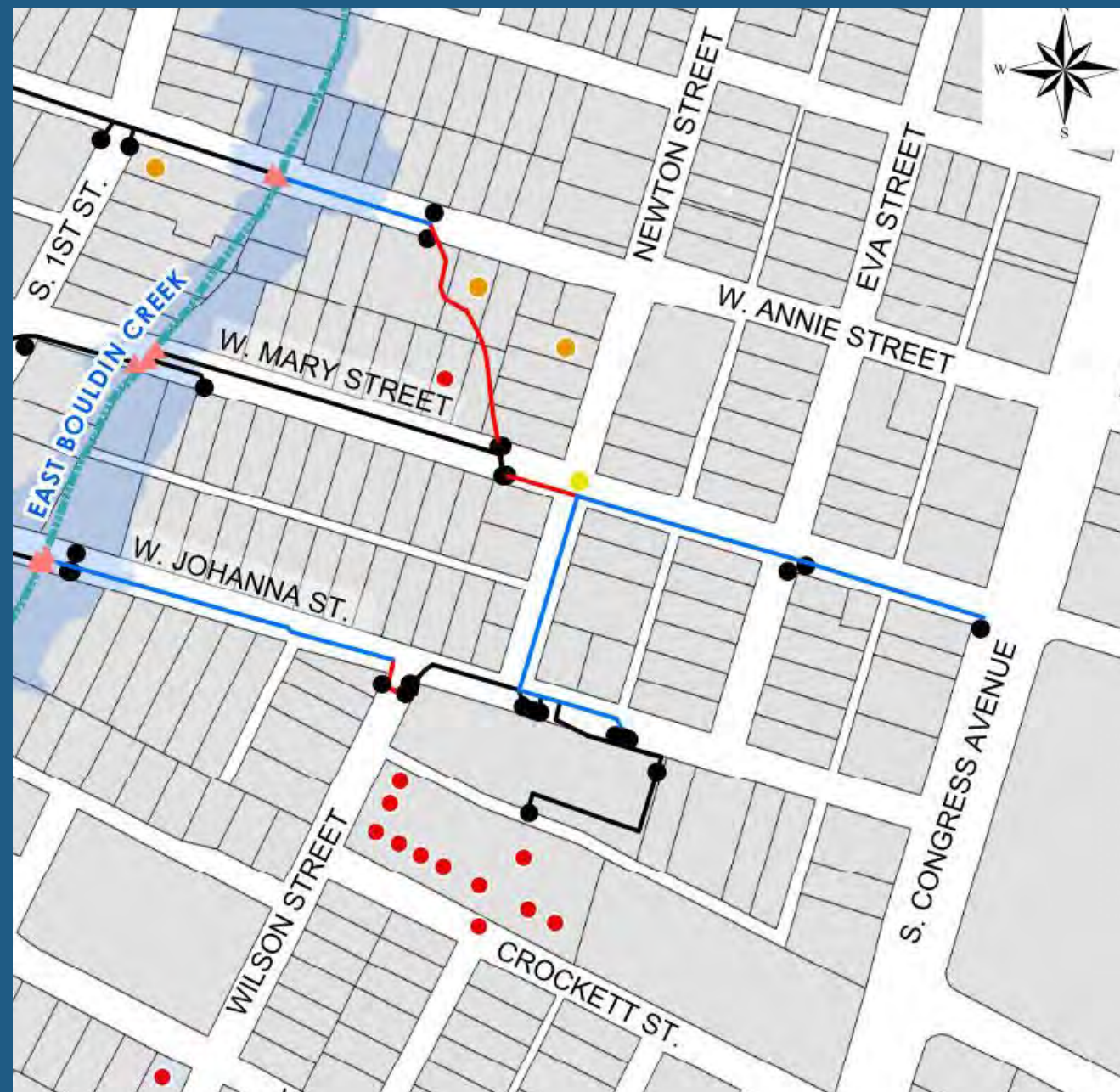
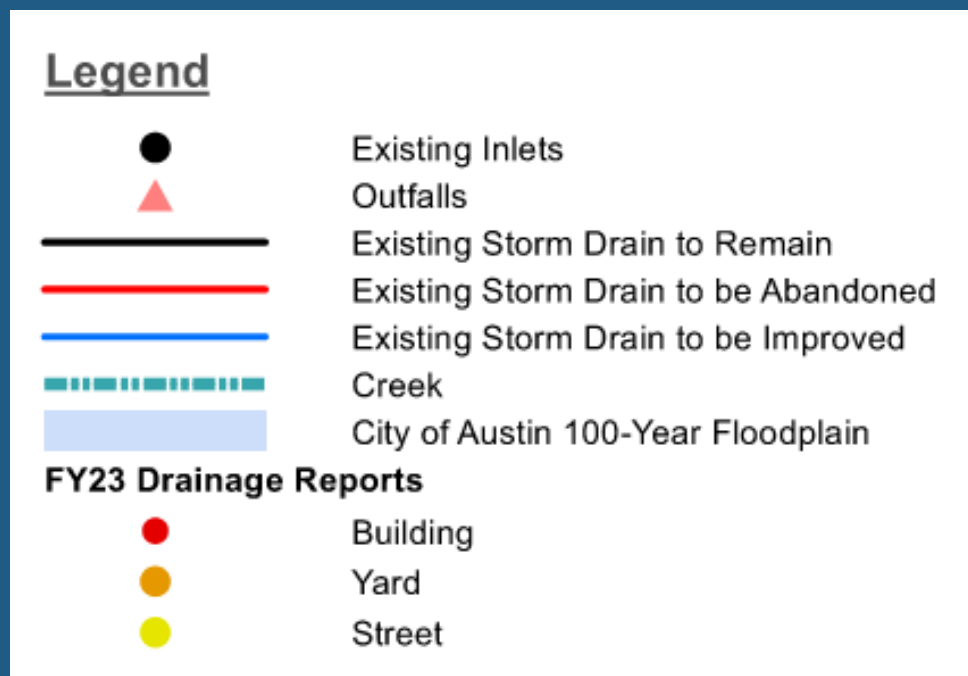
Mary Street Relief System

- Included storm drain improvements for about 1 block of Mary St., east of the creek
- Video inspection showed existing system failing in 2008
- Construction of relief system completed in 2020



Existing Drainage System

- Existing storm drain system is a series of inlets and pipes built in the 1930s



Problem Statement

- Local flooding caused by an undersized and aging existing storm drain system
- Location of existing system causes challenges for maintenance crews
- Risk of existing system failing
- Water and wastewater systems in need of upsizing and upgrades
- Sidewalks in disrepair and disconnected



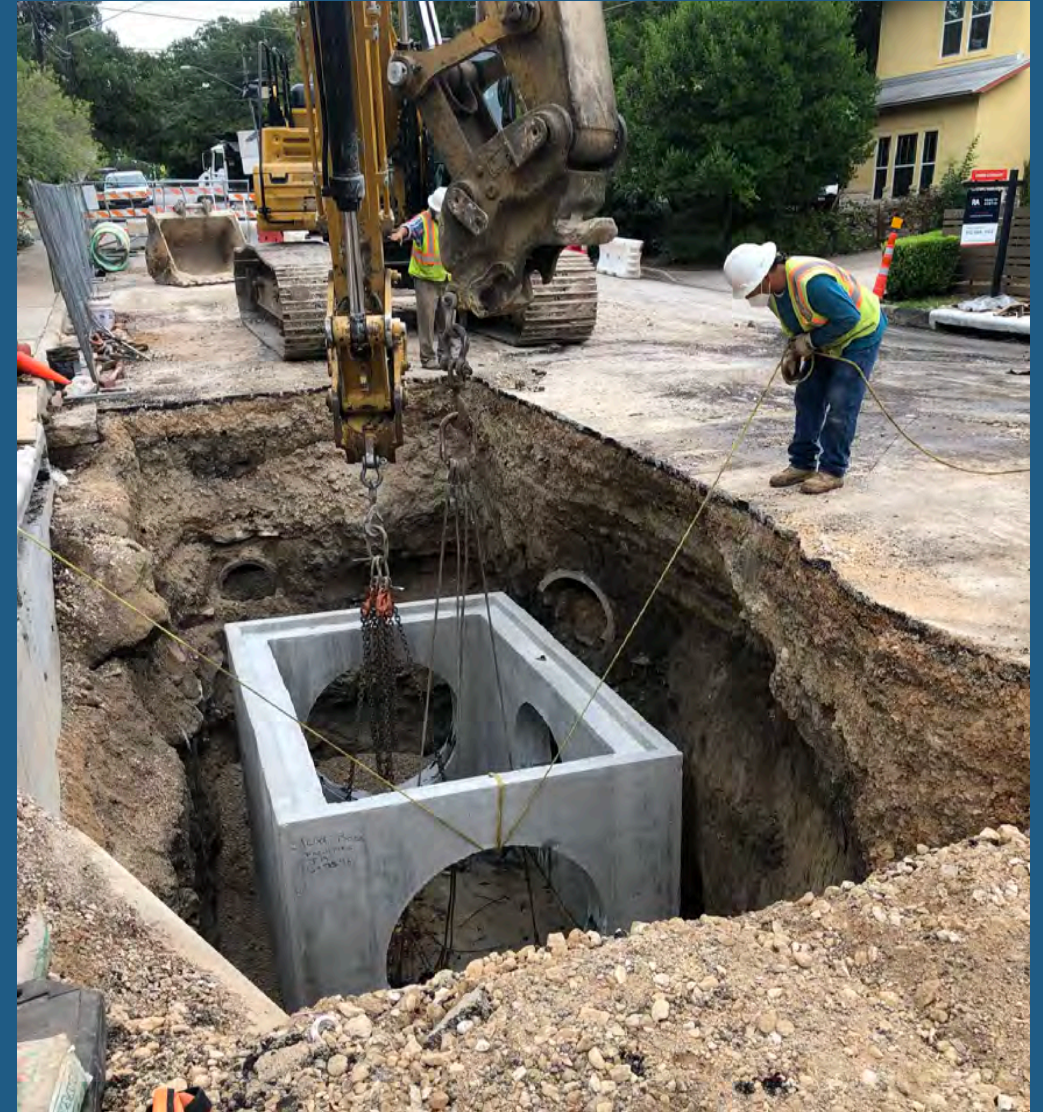
Project Objectives

- Split existing flows more evenly to proposed outfall points
- Bring new infrastructure up to current City standards
- Upgrade storm drain, water, and wastewater pipe networks
- Addition of sidewalks

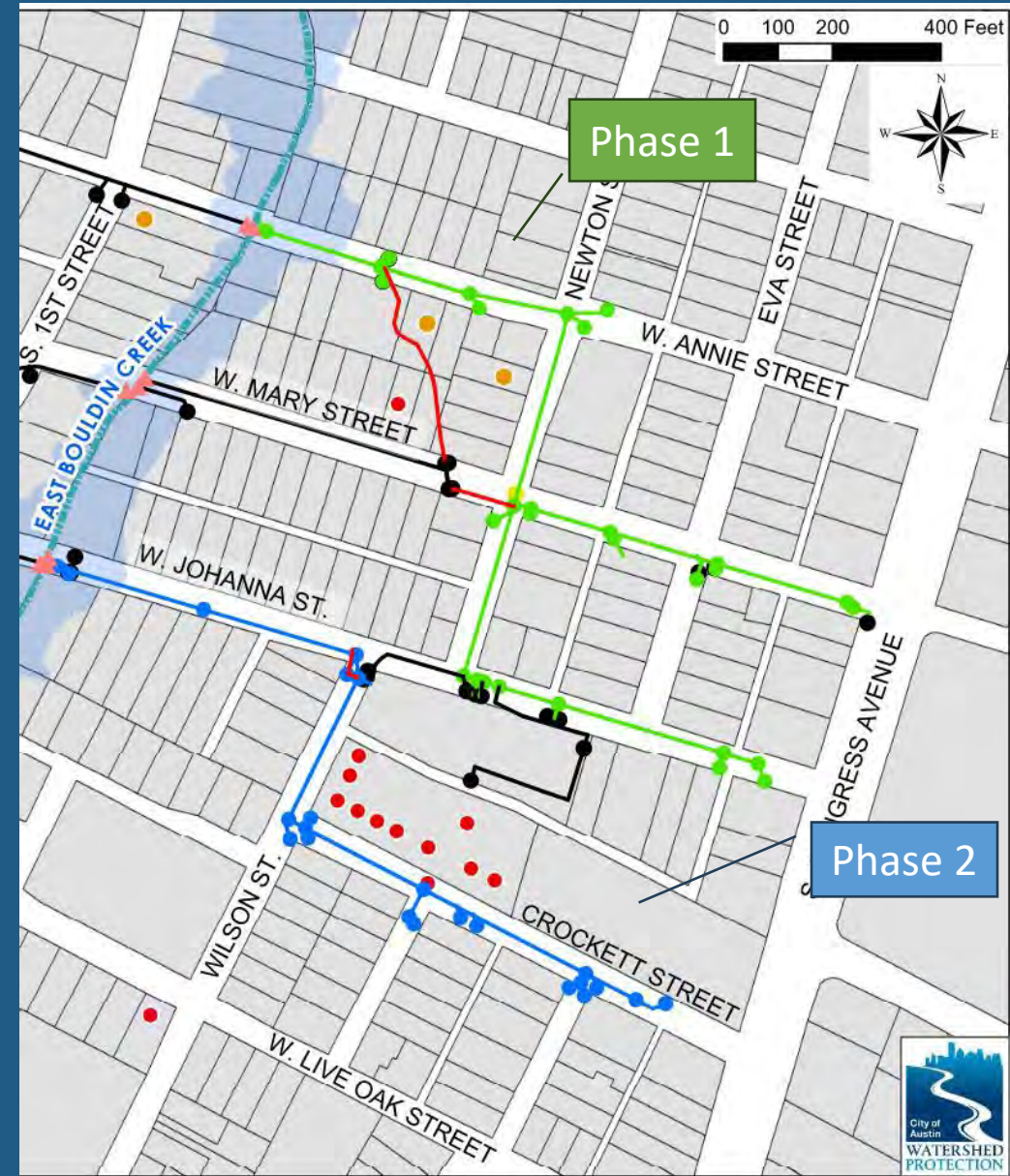


Proposed Storm Drain System

- Reroute and upsize the existing storm drain system
- System to be constructed within the public right-of-way
- Construction divided up into two phases:
 - \$7.6 million Phase 1
 - \$5.3 million Phase 2

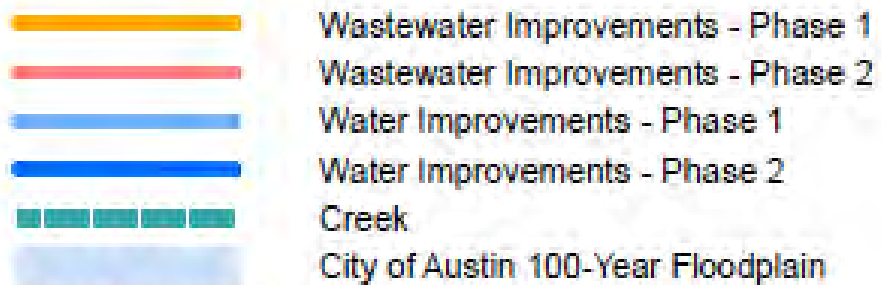


Proposed Storm Drain

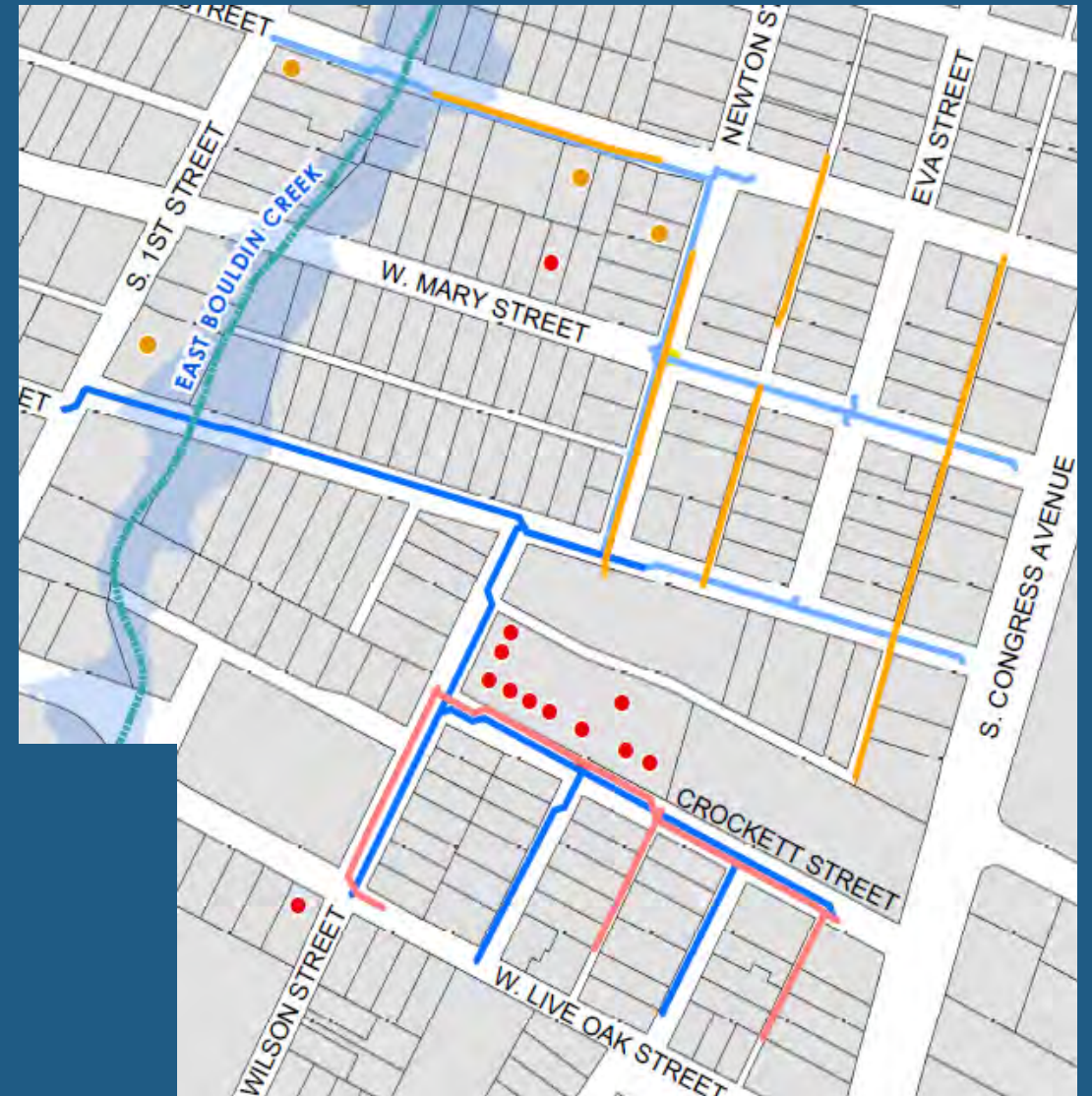
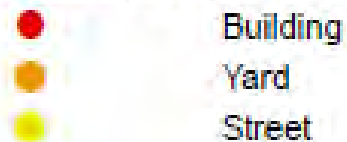


Austin Water Pipeline Renewal

Legend



FY23 Drainage Reports



Open Cut Construction

- Crews will dig into street
- One trench for water lines, another trench for wastewater lines, third trench for storm drain lines
- Temporary pavement repair during construction; full repaving at the end of the project.
- The work site will always be left in a safe condition at the end of the work day.



Storm Drain Capital Improvement Project Phases

In House
Feasibility

Preliminary
Engineering

Design

Permitting
&
Bidding

Construction

We are
here

Next Steps: Permitting & Bidding

- Obtain General Permit from City of Austin Development Services Department
- Hire contractor through bidding process
- Invite community to Meet the Contractor
- Construction starts



Anticipated Schedule

- Permitting Phase 1 and 2: Early 2025
- Bidding Phase 1: Spring 2025
- Construction Phase 1: Fall 2025
- Construction Phase 2: Dependent upon budget

Subject to Change

Ground Rules

Everyone is encouraged to participate!

1. Step up, Step back

Please be brief and to the point. Let others have an opportunity to speak.

2. Speak, Listen

One person speaks at a time. Please do not hold side conversations.

3. Be Mindful

Please be respectful of staff and other attendees. Demeaning, derogatory, disruptive, inflammatory, threatening or vulgar language or actions will not be permitted and may result in attendee(s) being removed from the meeting.

Thank you!