

Del Curto Flood Risk Reduction Project

September 12th, 2023



CIP ID 5789.069



Project Team

Watershed Protection Department

- Scott Avery, EIT, CFM
- Rupali Sabnis, PE, CFM
- Joan Esquivel

Capital Delivery Services

- Abhi Raghavan, PMP
- Erik Kunkel, PE
- Oscar Coronado

CAS Consulting & Services, Inc.

- Andy Rooke, PE



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Outline

1. Local Flooding Overview
2. Project Overview
3. Next Steps & Timeline
4. Construction Impacts
5. Available Resources
6. Q&A





← **Localized Flooding**
Occurs away from creeks

Creek Flooding →

Occurs when a creek rises over its banks.





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.



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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.

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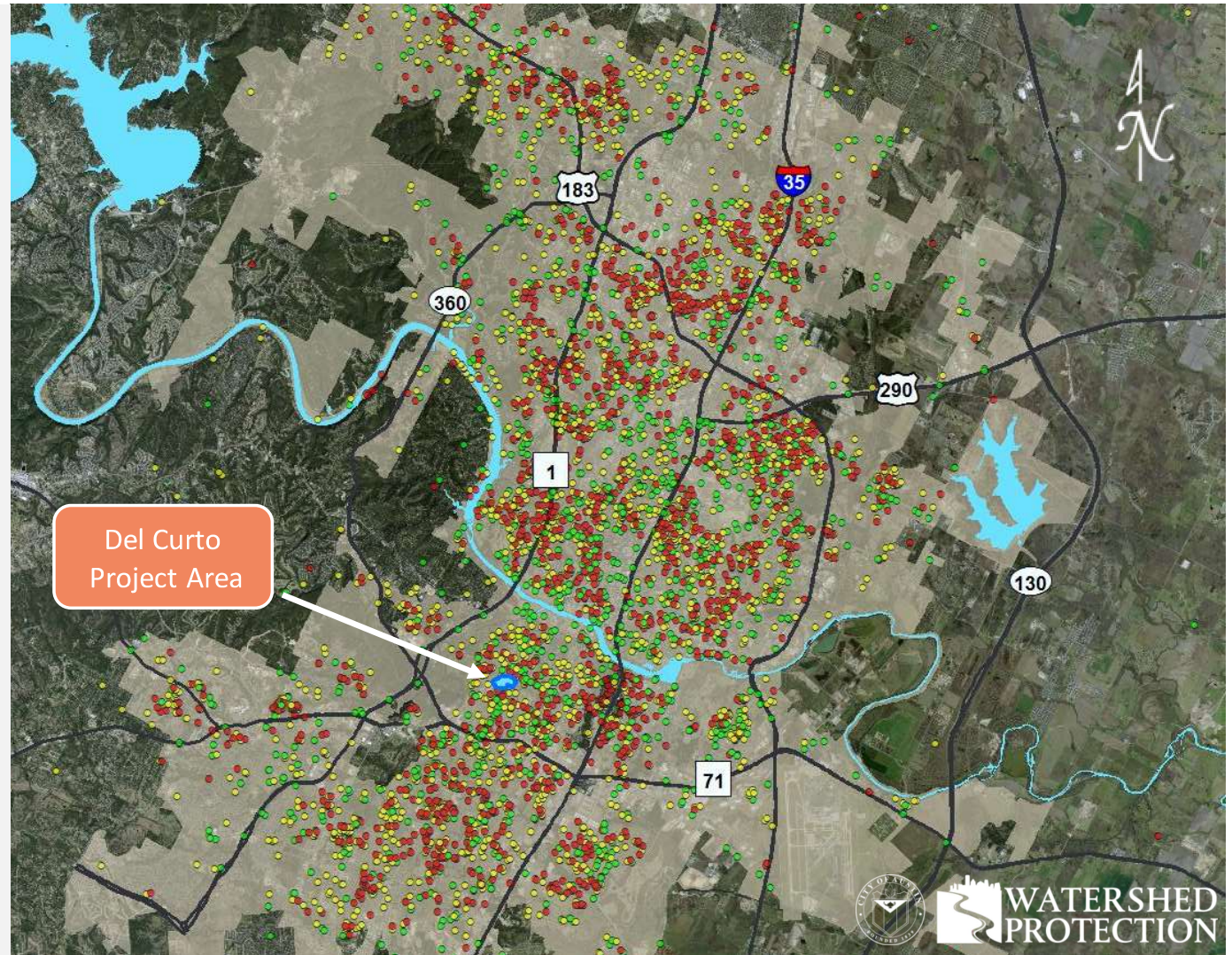


Localized Flooding Citywide

- **6,538 Total Flooding Reports**

- 2,272 Buildings
- 2,594 Yards
- 1,672 Streets

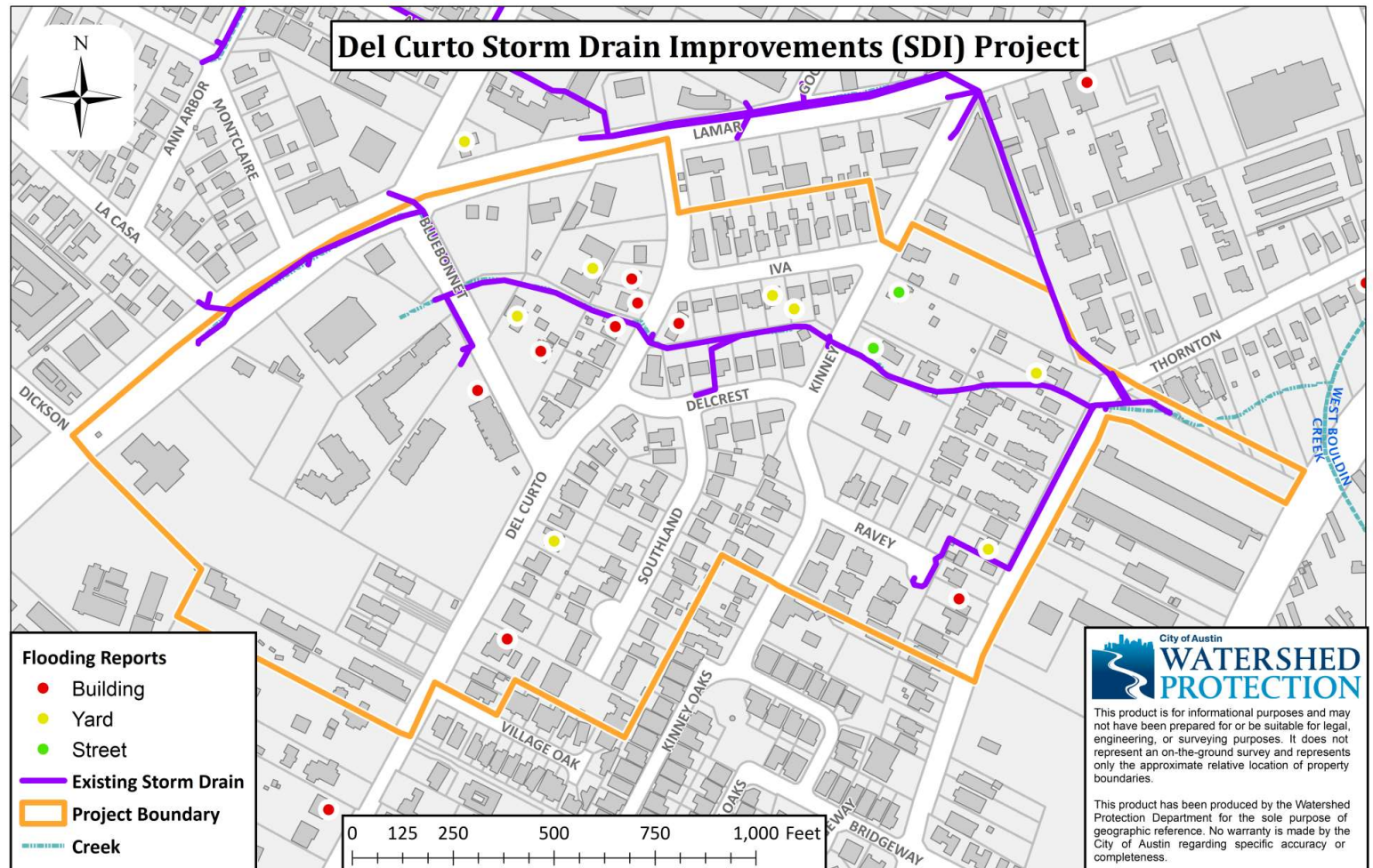
- Neighborhoods built before the 1980s tend to have more drainage problems
- No quick or easy solution



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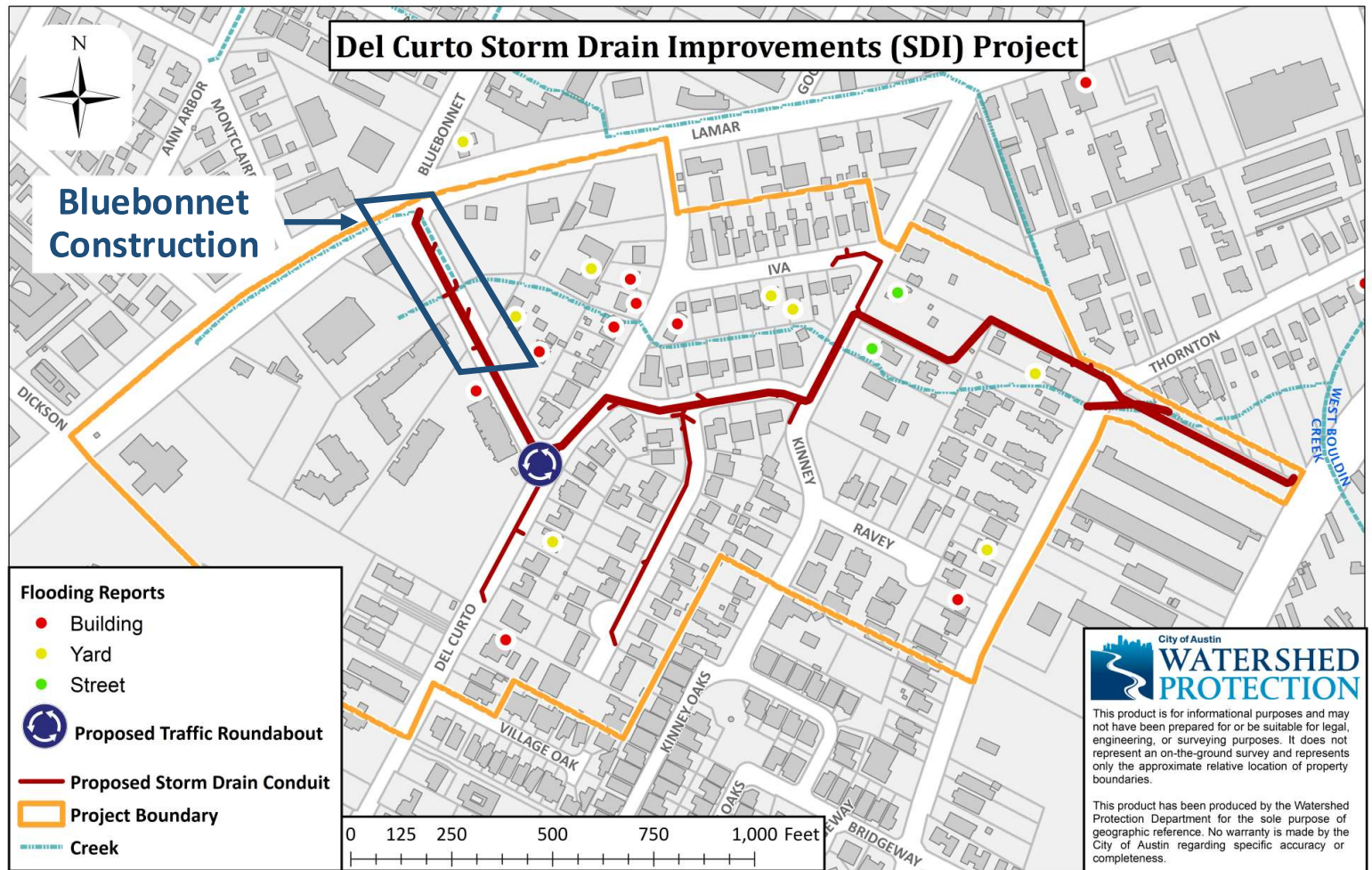
Project Introduction

- High priority area for local flooding
- Local Flooding Reports: 17
 - 8 Building
 - 7 Yard
 - 2 Street
- Existing storm drain system is undersized



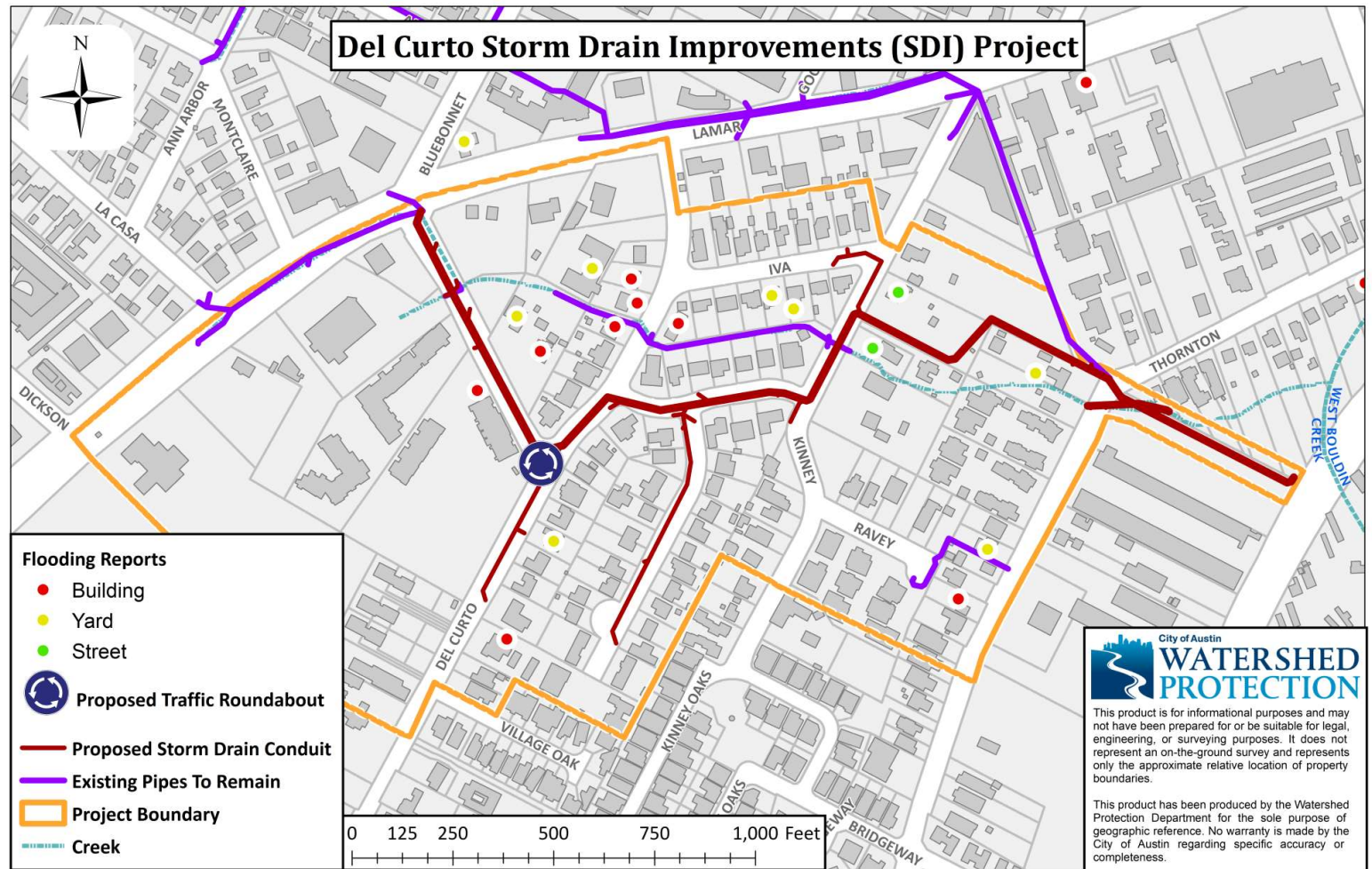
Proposed Layout

- Rerouting and enlargement of storm drain system
- System will be constructed in right-of-way where possible
- Portion of storm drain being constructed now at Bluebonnet and South Lamar



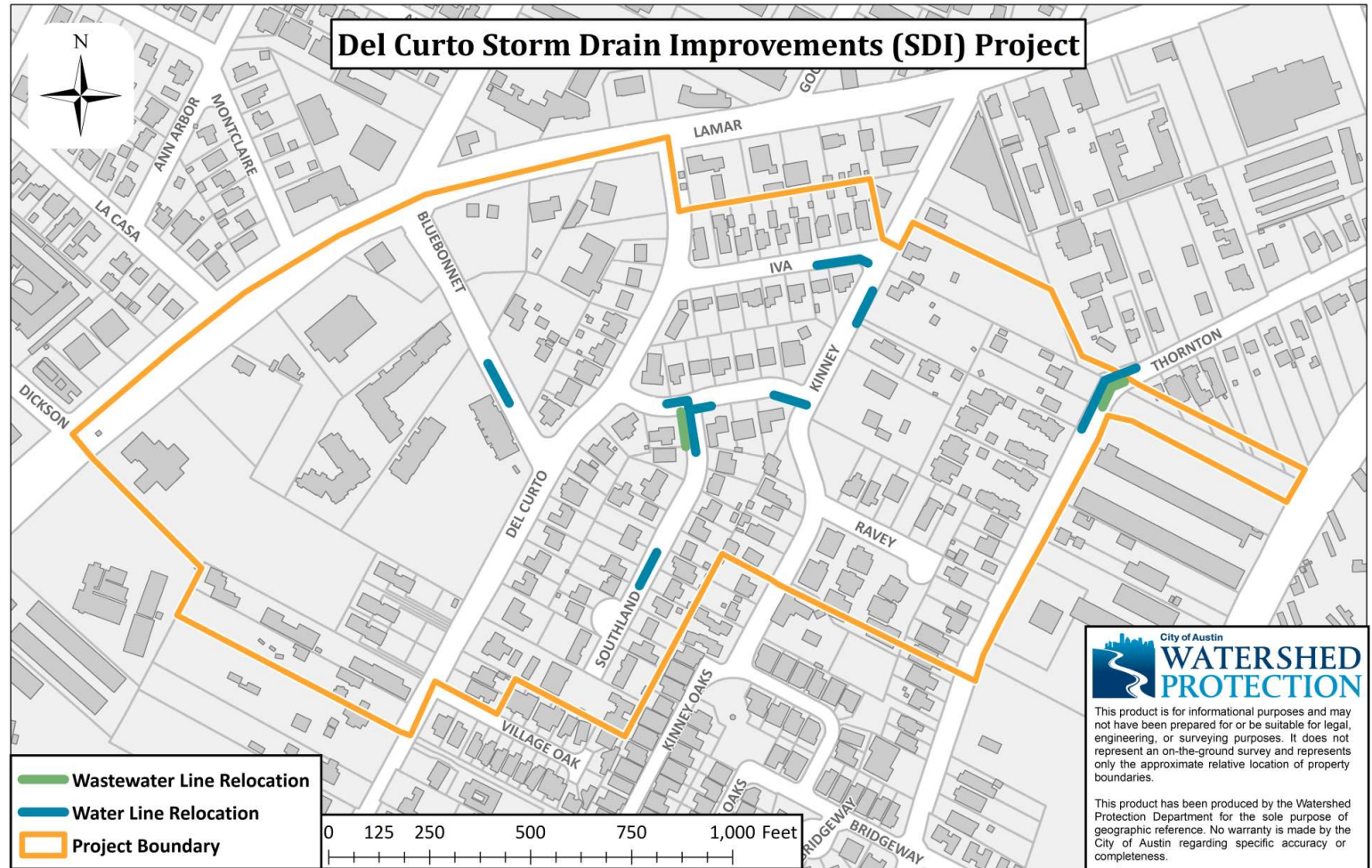
Combined Systems

- A portion of the existing system will remain in use
- The existing open channels will continue to drain storm water
- Existing infrastructure will receive significantly less storm water flows

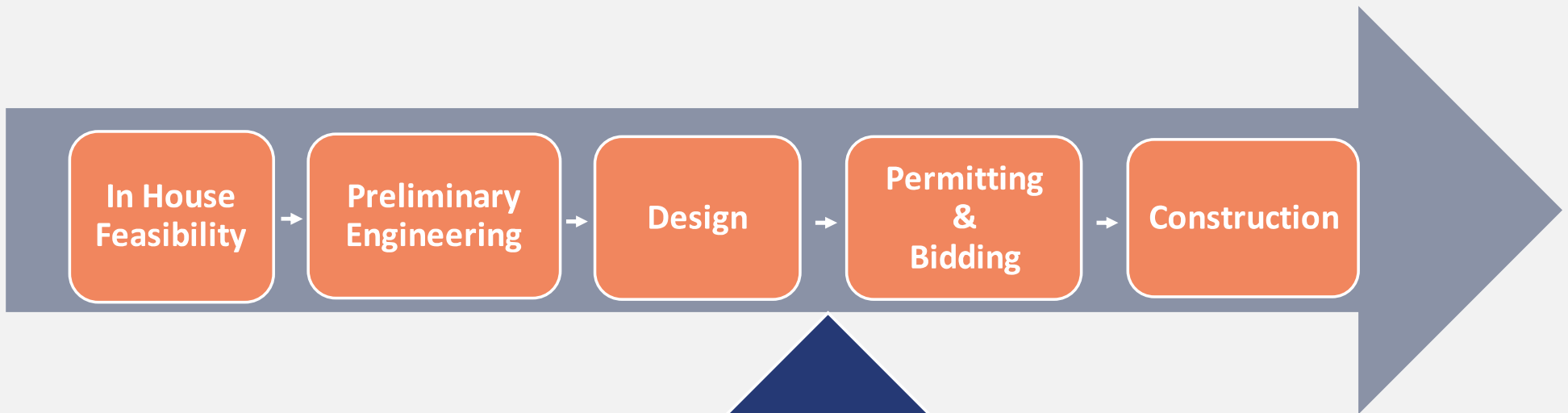


Water and Wastewater Relocations

- A portion of the water and wastewater systems will need to be relocated to accommodate the new system
- Brief outages may occur during construction as the pipes are reconnected



Storm Drain Capital Improvement Program Project Phases



We are here

CITY OF AUSTIN

WATERSHED PROTECTION DEPARTMENT



Del Curto CIP

Next Steps

- Permitting & Bidding
- Meet the Contractor
- Construction



Del Curto CIP

Project Implementation

Construction Dates

Summer 2024 – Winter 2026

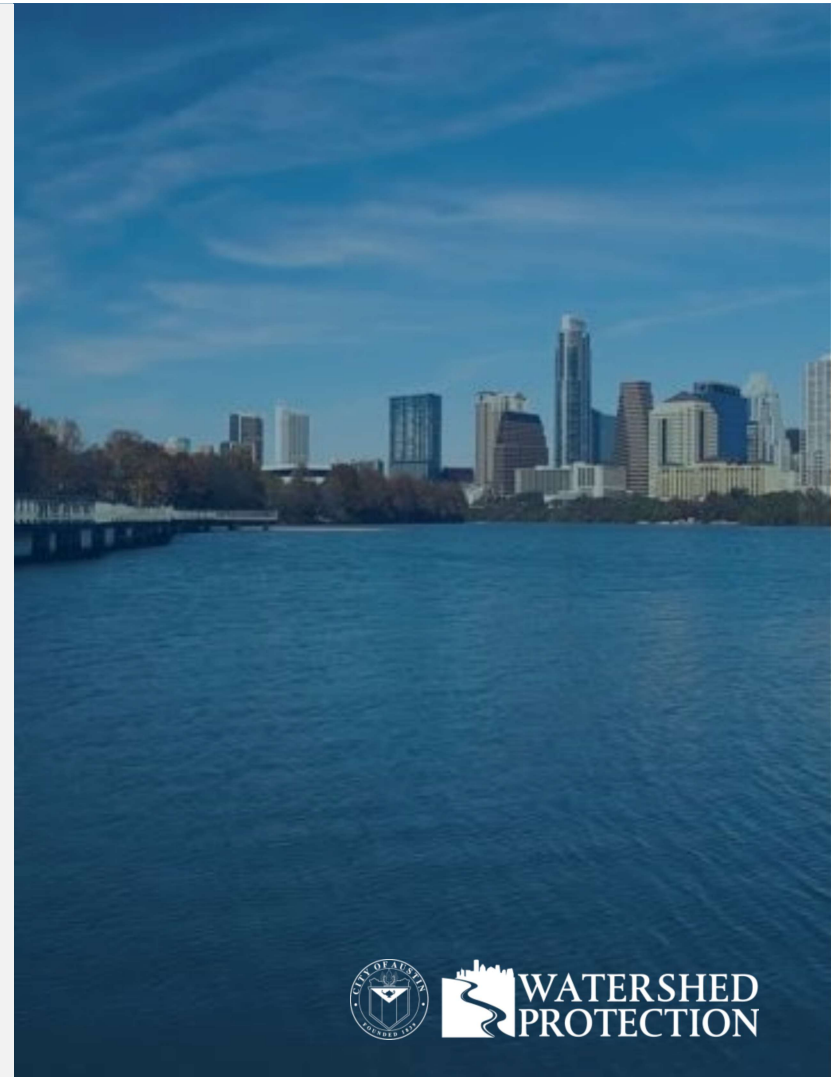
Full Project Cost

\$11.5 Million

Construction Cost

\$7.6 Million

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Proposed Construction: Temporary Local Impacts

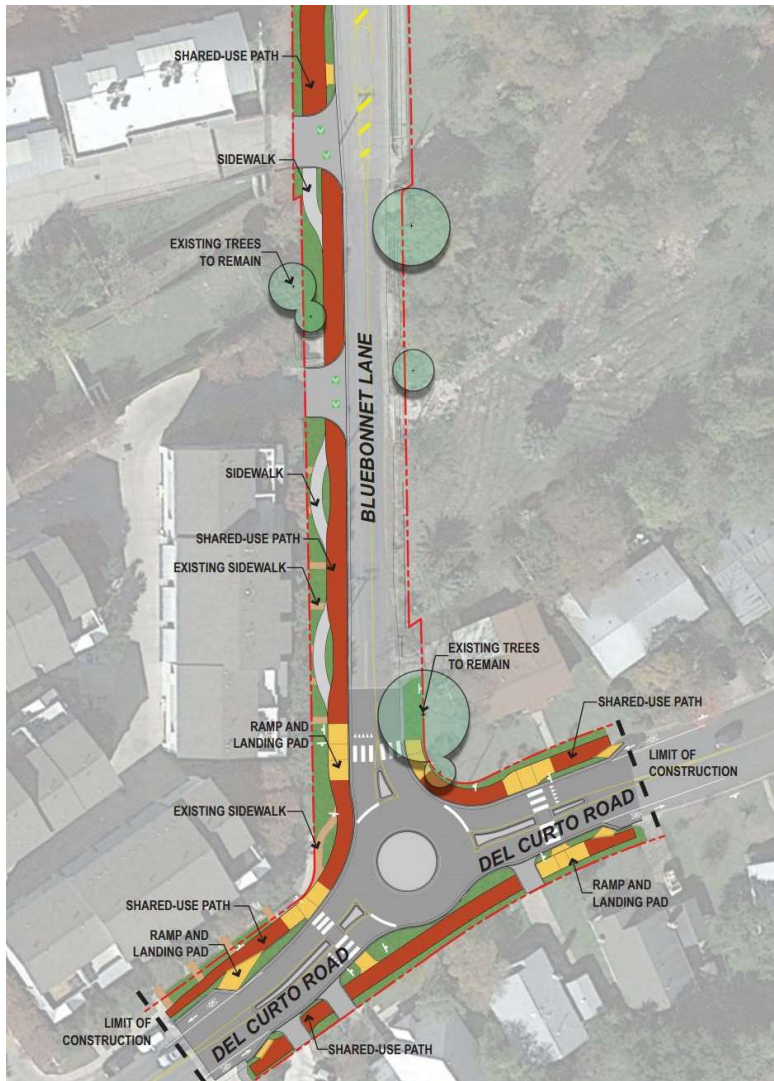
- Road closures / Detours
- Noise and dust
- Access to driveways/street parking
- Work in yards for inlets and storm drains
- Possible disruption to water service



Proposed Construction: Long Term Benefits / Impacts

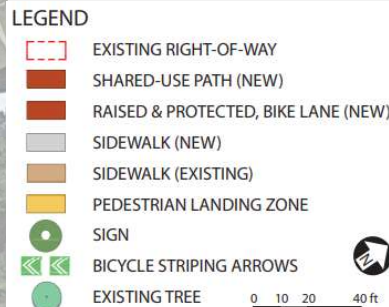
- Reduced Flooding
- Maintain natural character and low flows in existing channels





Bluebonnet/Del Curto Roundabout

- A new roundabout to enhance traffic flow and control speed
- Shared-use paths for pedestrians and cyclists
- Improved crossings and connectivity for pedestrians and cyclists
- Improvements will increase safety and mobility
- Work to be done within existing City of Austin right of way



CAPITAL DELIVERY SERVICES

Warren St CIP

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

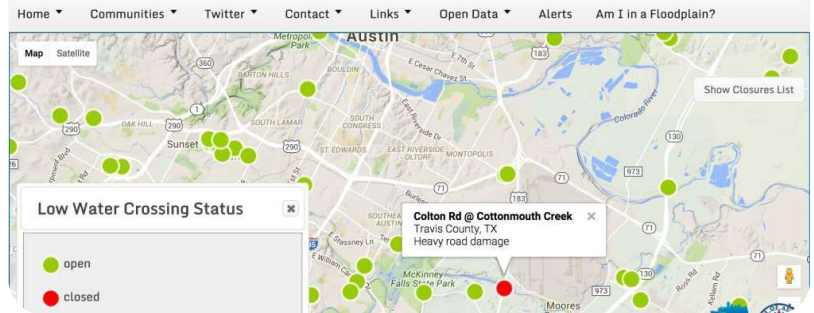
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ATXfloods

Sunny in Central Texas. | 02-03-2016 7:01:44 AM

See all updates



Questions

Scott Avery, E.I.T., CFM

Graduate Engineer

Watershed Protection Department,
City of Austin

P: (512) 552-7697

Scott.Avery@austintexas.gov

Abhi Raghavan, PMP

Project Manager

Capital Delivery Service, City of
Austin

P: (512) 974-7810

Abhi.Raghavan@austintexas.gov

Oscar Coronado

Project Manager – Corridor Program

Capital Delivery Service, City of
Austin

P: (512) 978-1627

Oscar.Coronado@austintexas.gov



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