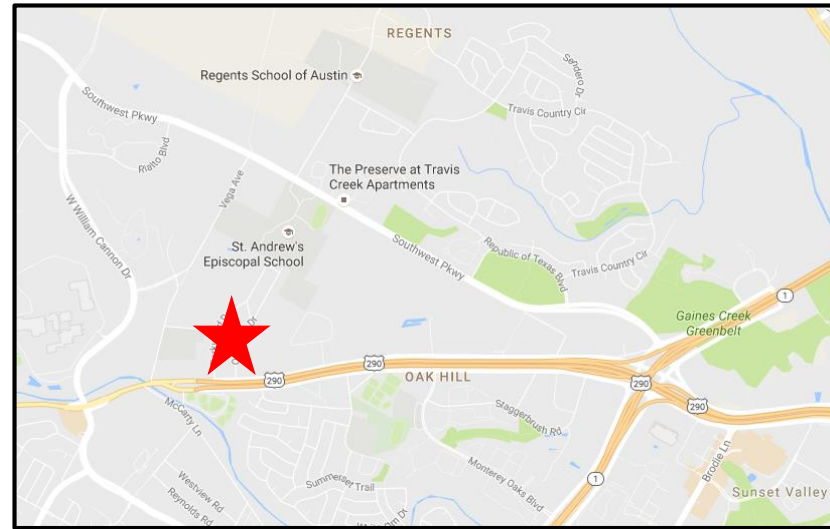


# Oak Park/Oak Acres Flood Risk Reduction

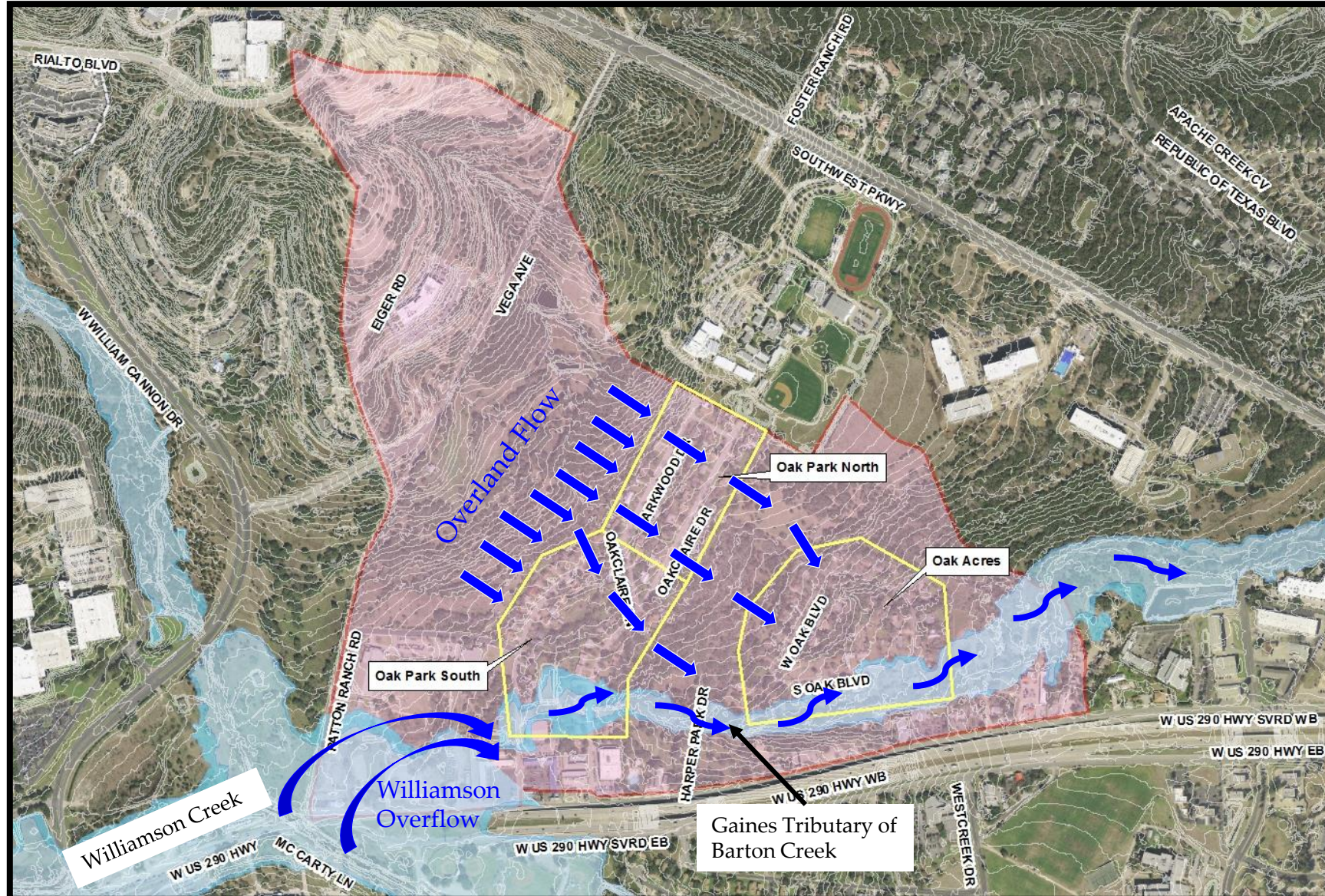
November 14, 2017



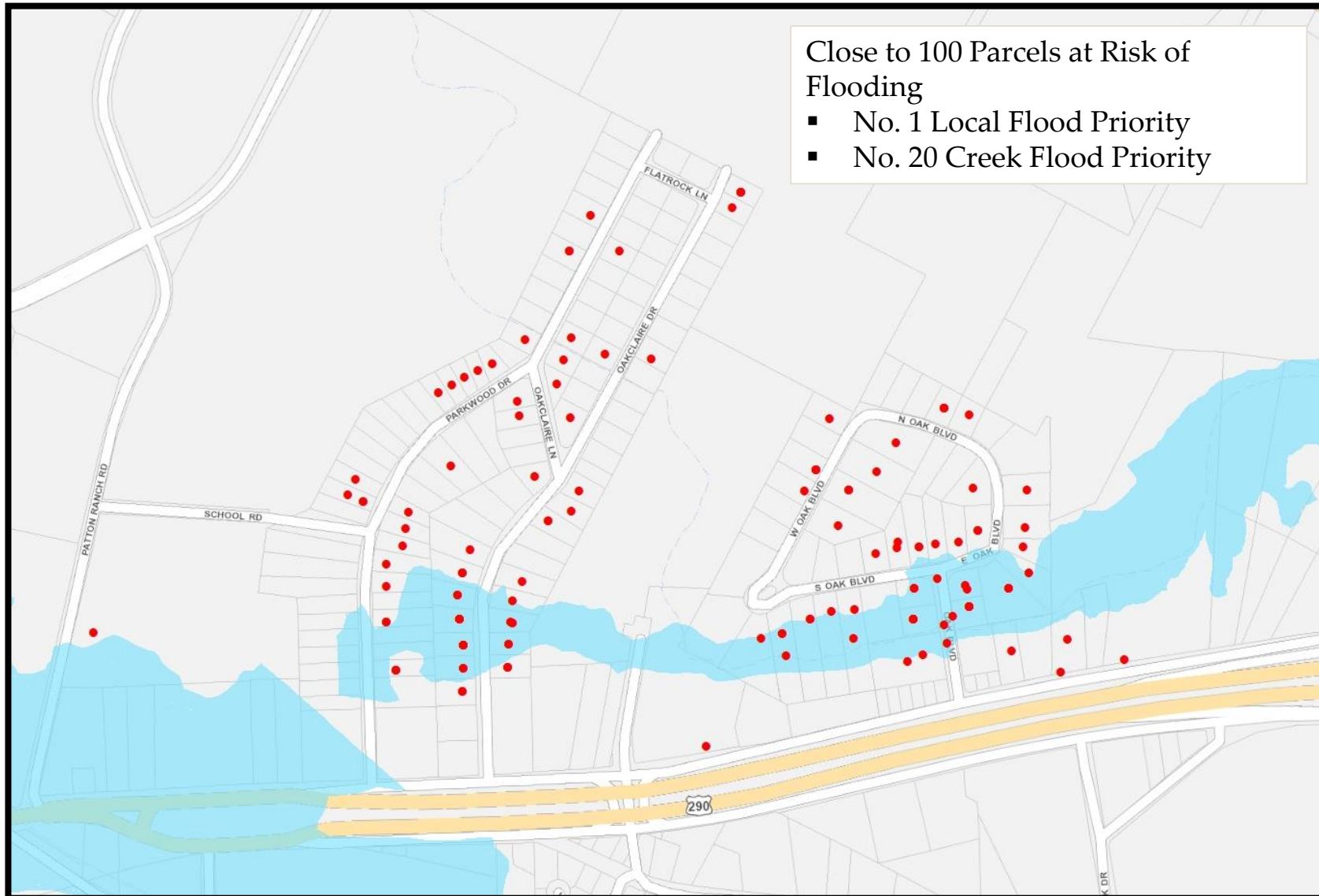
# Agenda

- Introductions
- Recap from last meeting
- Proposed flood risk reduction project
- Project cost and timeline
- Questions

# Flooding Problems

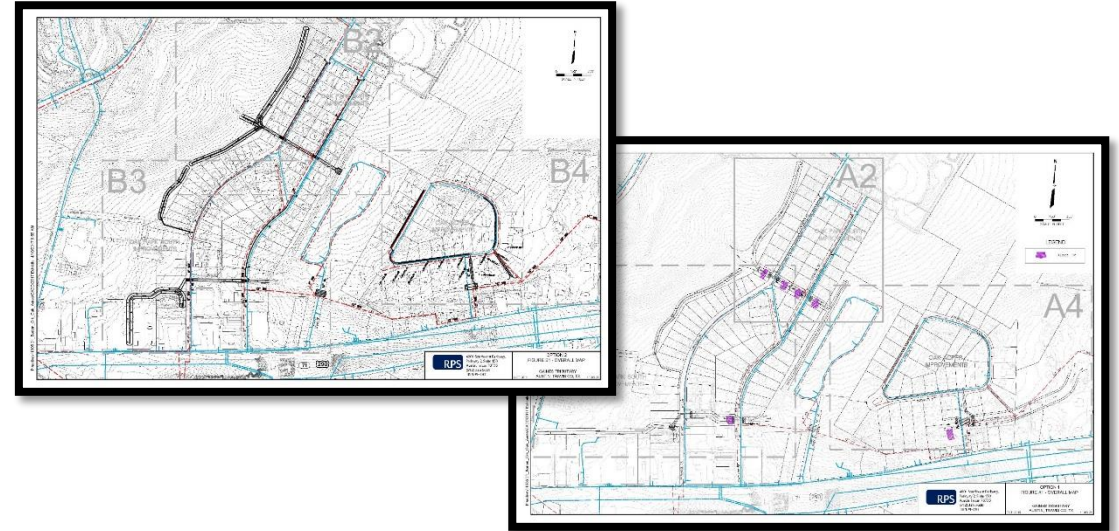


# Flooding Complaints



# Recap from October 2016 Public Meeting

- Preliminary Engineering Report
- Two options presented
  1. Engineered vegetated channel
  2. Concrete channel

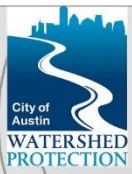


## Selection of Option

- Additional analysis of options
- Internal review
- Selection of most feasible option

# Criteria for Option Selection

- Level of flood protection
- Safety
  - Velocity
  - Proximity of channel to houses
- Impact during construction
- Schedule
- Cost
- Coordination with adjacent property owners
- Permitting requirements
- Environmental impacts (trees, recharge features)

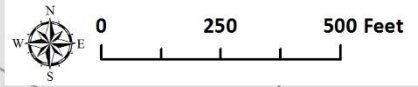


# OAK PARK/OAK ACRES PROPOSED FLOOD RISK REDUCTION PROJECT



System

Existing 100 Year Floodplain



Proposed/Improved Swales

N OAK BLVD

Gaines Tributary of Barton Creek

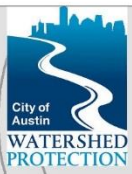
Williamson Creek

PARKWOOD DR

OAKCLAIRE LN

OAK BLVD

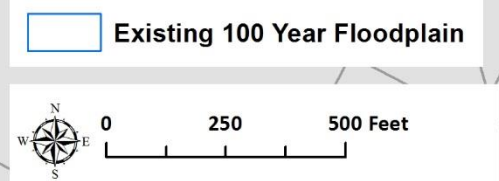
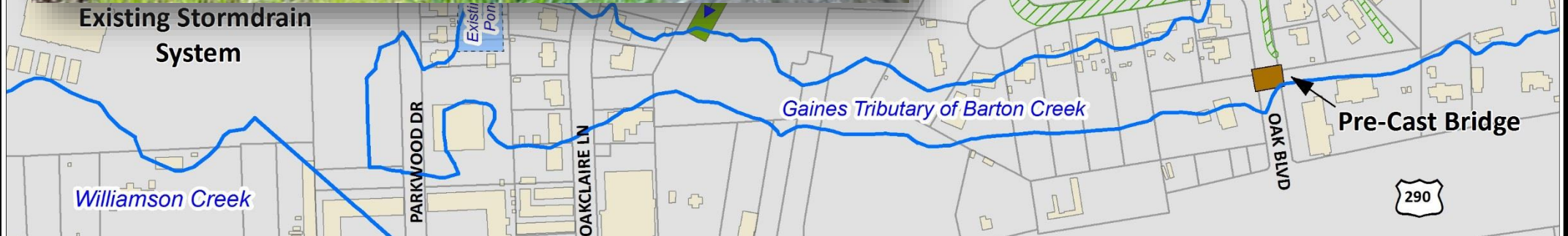




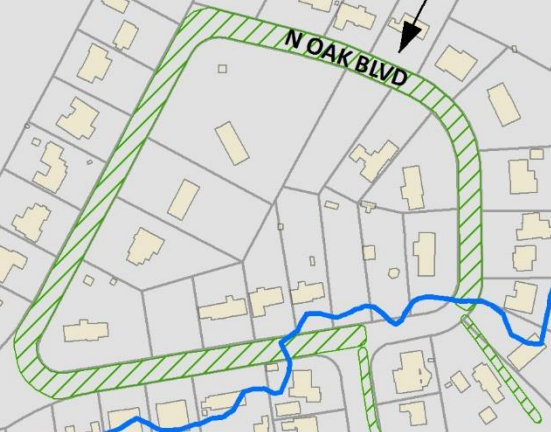
# OAK PARK/OAK ACRES PROPOSED FLOOD RISK REDUCTION PROJECT



Existing Stormdrain System



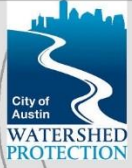
Proposed/Improved Swales



Pre-Cast Bridge







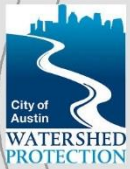
# OAK PARK/OAK ACRES PROPOSED FLOOD RISK REDUCTION PROJECT

Property Aquisitions

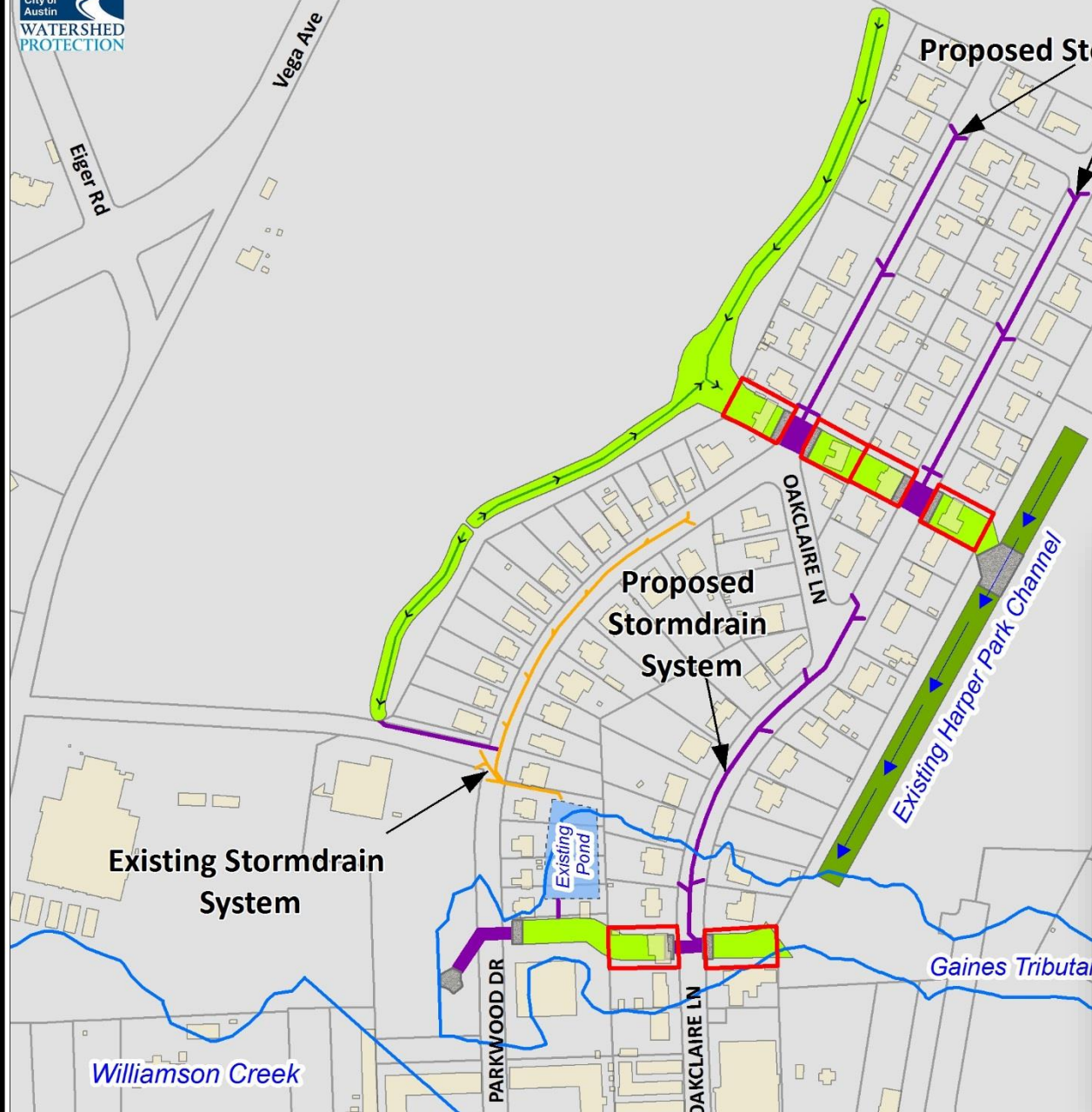
Existing 100 Year Floodplain

0 250 500 Feet





# OAK PARK/OAK ACRES PROPOSED FLOOD RISK REDUCTION PROJECT



Proposed Stormdrain System

Proposed Stormdrain System

Existing Stormdrain System

Williamson Creek

Existing Harper Park Channel

Gaines Tributary



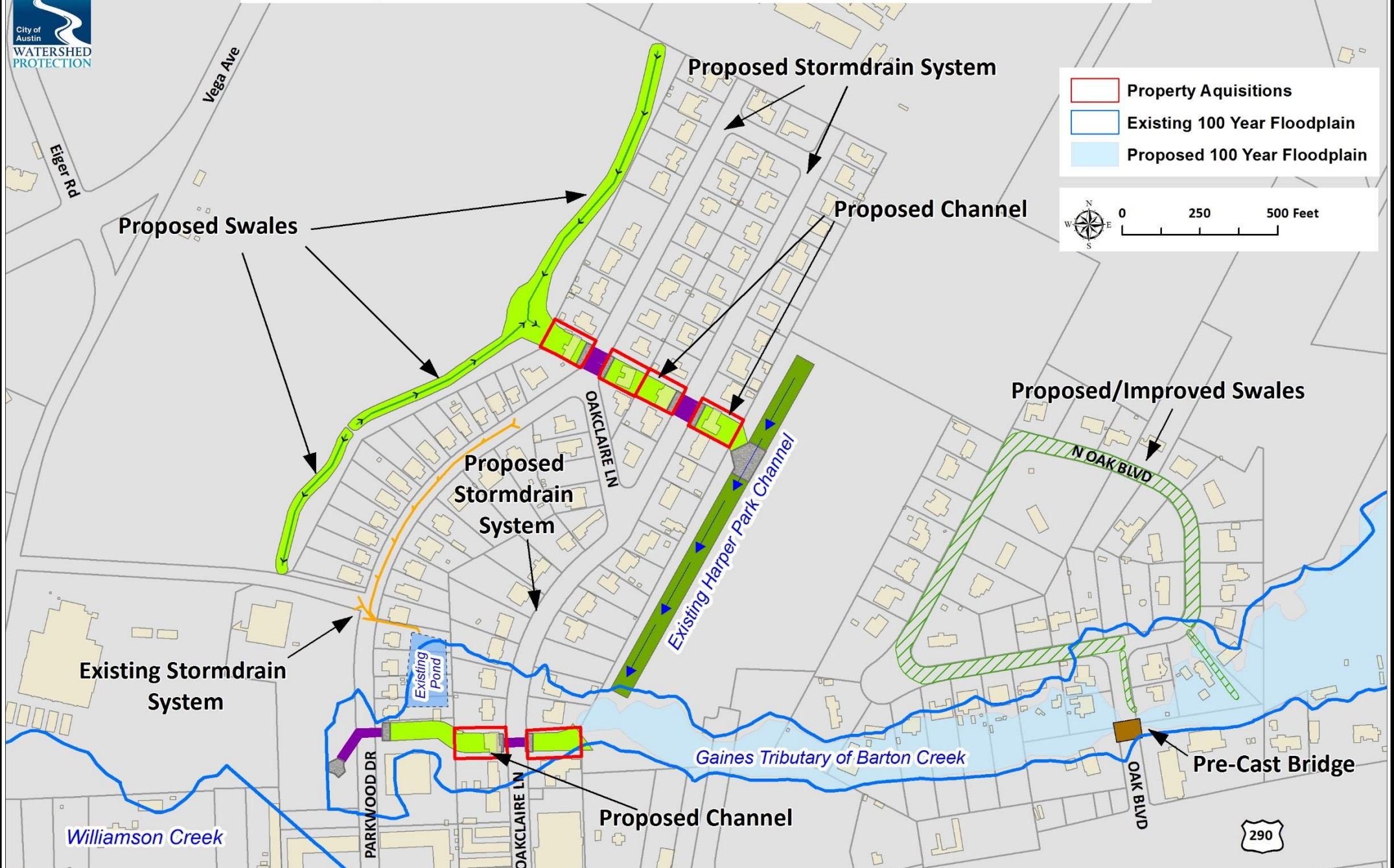
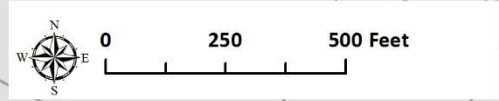
15  
floodplain  
100 Feet





# OAK PARK/OAK ACRES PROPOSED FLOOD RISK REDUCTION PROJECT

- Property Aquisitions
- Existing 100 Year Floodplain
- Proposed 100 Year Floodplain



# Proposed Project Summary

- Oak Acres

- Gaines channel improvement – Precast bridge at Oak Blvd creek crossing
- Minimum channel grading
- Addition/improvement of roadside swales and culverts
- Estimated total project cost – \$2.5M

- Oak Park

- Engineered vegetated channel along western boundary of Oak Park
- Engineered vegetated channels to convey water across the neighborhood
- Culvert improvements across Oakclaire Drive and Parkwood Drive
- Additional stormdrain system for local runoff
- Estimated total project cost – \$8.5M

# Moving Forward

- **Oak Acres**
  - Design, bid, permit – Spring 2020
  - Construction –
    - Beginning in Spring/Summer 2020
    - 12-18 months duration
- **Oak Park**
  - Design, property acquisition, bid, permit – Fall 2020
  - Construction –
    - Beginning in late Fall 2020
    - 18-20 months duration
- **Future meetings**
  - 60% design completion
  - At start of construction



**Thank you!!**

**Questions?**

<http://www.austintexas.gov/oakpark>

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