

# Eastland Creek Floodplain Updates

## Public Meeting

March 23, 2026 at 6 PM

A.M. Pate Elementary School

3800 Anglin Dr, Fort Worth, 76119



# Agenda

- Who We Are
- Study Overview
- Impacts to Residents & Business Owners
- Potential Future Improvements & City Responsibilities



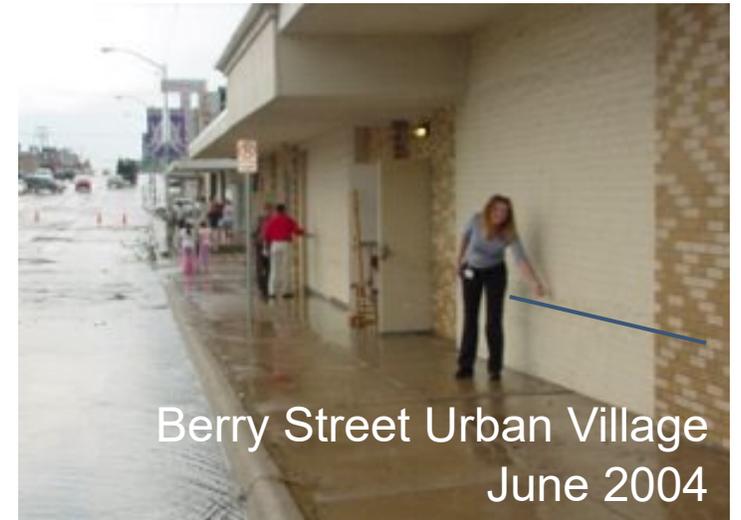
# Who We Are



Transportation & Public Works | Stormwater  
Management Division

# Stormwater Program

- Created by City Council in **2006** in response to devastating flooding
- Division within Transportation & Public Works Department
- Dedicated funding from **Stormwater Utility Fee**
- **Mission:** Protect people and property from harmful stormwater runoff



# Primary Functions



MAINTAIN

**Maintain  
Infrastructure**



IMPROVE

**Mitigate  
Hazards**



WARN

**Warn  
about  
Hazards**



REVIEW

**Review  
Development**

# Study Overview



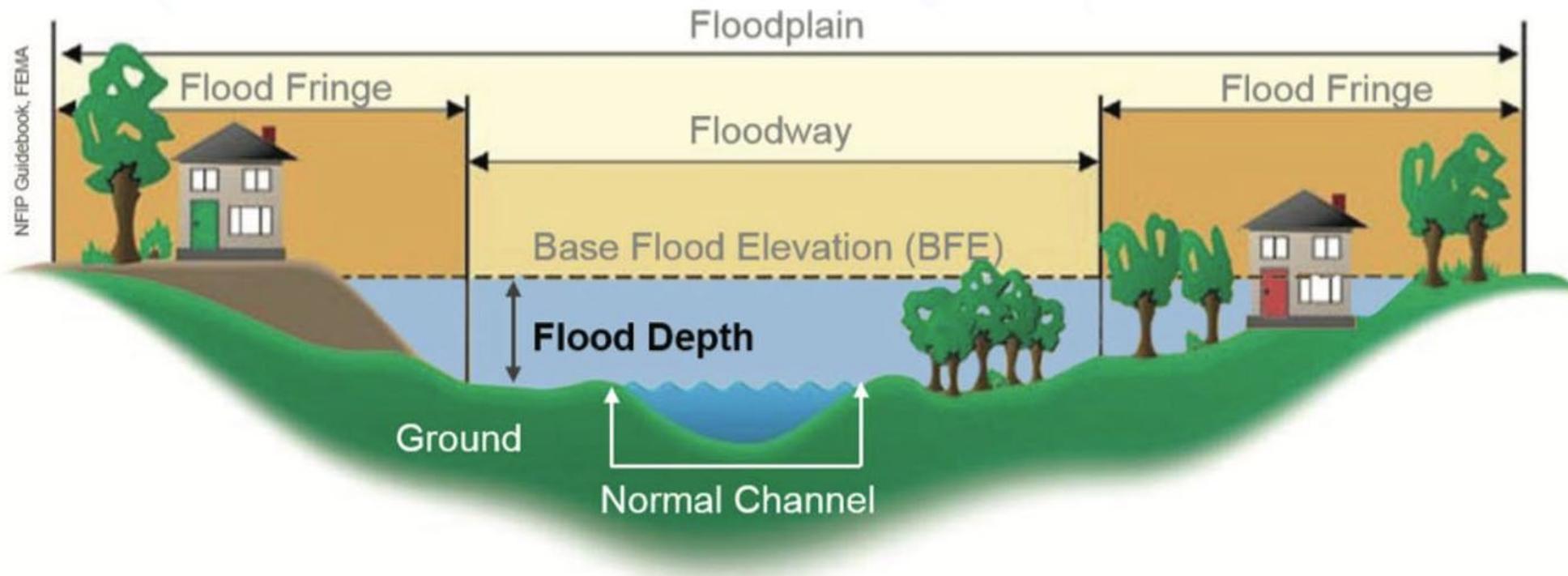
# Proposed Mapping



## Legend

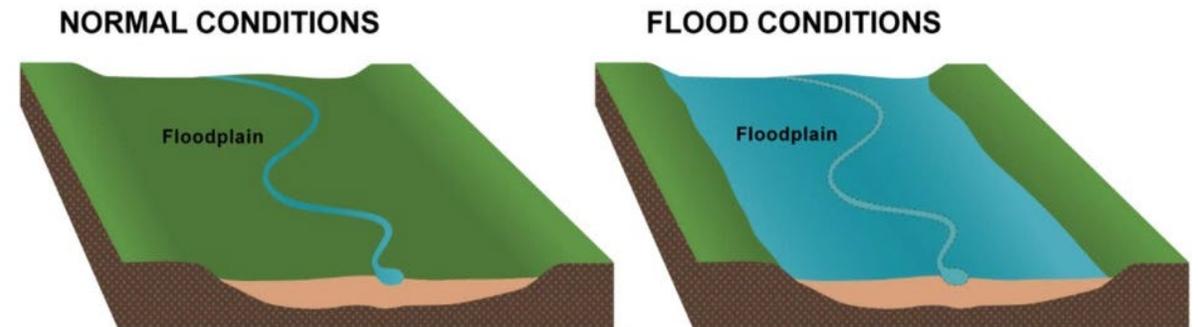
- Eastland Creek
- Proposed FEMA Floodplain
  - Zone AE (1% or 100-yr)
  - Floodway
  - 0.2% (500-yr)

# What is the FEMA Floodplain



# What is the FEMA Floodplain (cont.)

- Used to communicate the most likely areas to flood
  - *However*, flooding can occur anywhere
- FEMA floodplain includes:
  - 1% annual chance events (ACE, 100-yr storm event)
  - 0.2% ACE (500-yr storm event)
- Establishes federal flood insurance requirements
- #1 natural disaster: Flooding
- City regulates to FEMA floodplains and non-FEMA City Flood Risk Areas (CFRAs)



# Why Update the FEMA Floodplain Maps

## FEMA

- Regulates and maps entire nation
- Starts regulating at smaller drainage areas where flood risk is often lower
- Encourages local jurisdictions to have higher standards of regulations

## City of Fort Worth

- Regulation differences from FEMA – Higher Standards
- Regulation changes since original study in 1980s

**Goal:** Better regulations and to communicate flood risk

# Why Update the FEMA Floodplain Maps (cont.)



- Communities update floodplain mapping as needed
- Data & technology changes
- New development

**Ultimately:** Best way to communicate flood risk

# Why Update Eastland Creek

- Flood risk already present
  - Update floodplain mapping to reflect this risk
- Past flooding incidents
- Flood Warning System
- Identify & prioritize maintenance & capital improvement needs



**Ultimately:** Best way to communicate flood risk

# Active Projects along Eastland Creek

- TXDOT culvert improvements at I-820



- Cravens Road Hazardous Road Overtopping Mitigation (HROM)

<https://www.fortworthtexas.gov/projects/cfw-south-cravens-drainage-project>



**2018 Fatality**



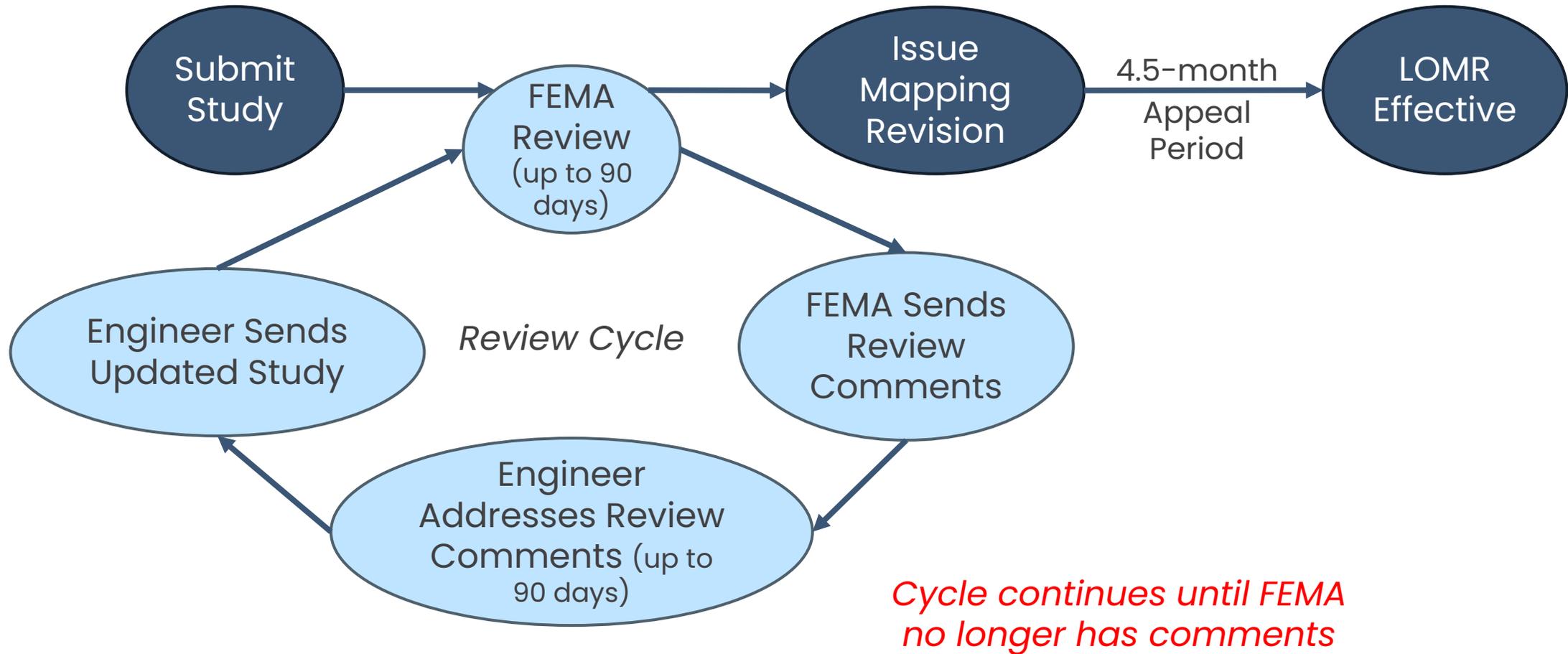
**2022 Car Washed Into Channel**

# When Will Floodplain Mapping Become Effective with FEMA

- Anticipated to submit study to FEMA by the fall
- Mapping typically becomes effective approximately 9 months after submitting to FEMA
  - Process for a Letter of Map Revision (LOMR)

The timeline can vary significantly based on FEMA comments, FEMA funding, and government shutdowns.

# General Letter of Map Revision (LOMR) Timeline



# Impacts to Residents & Business Owners



# Potential Changes to Properties

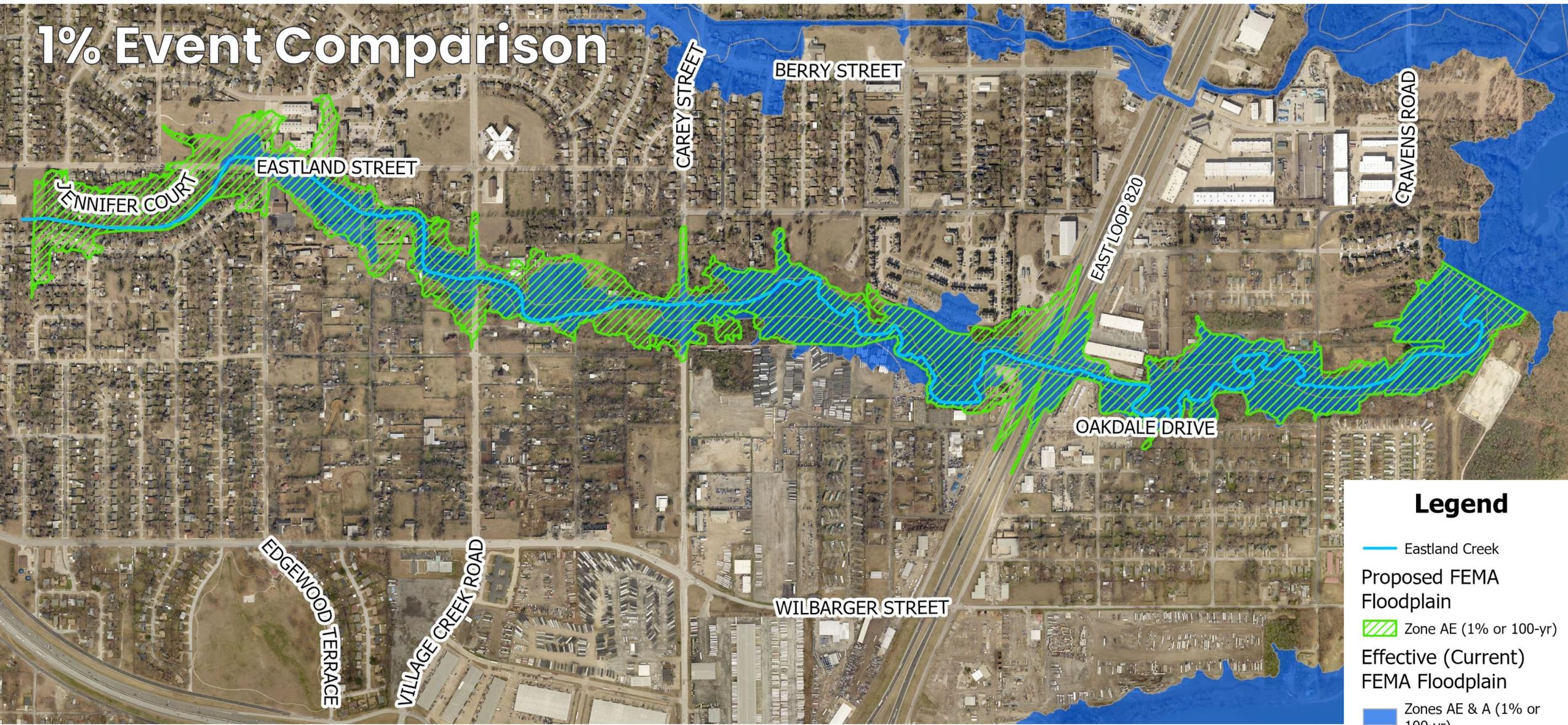
## Council District 5

- No structures will be added to the new floodplain
- 3 structures will be shown with higher risk
- 1 structure will be shown with lower risk
- Floodplain mapping will be removed from 3 structures

## Council District 11

- 102 structures will be added to the new floodplain
- 11 structures will be shown with higher risk
- 2 structures will be shown with lower risk
- Floodplain mapping will be removed from 12 structures

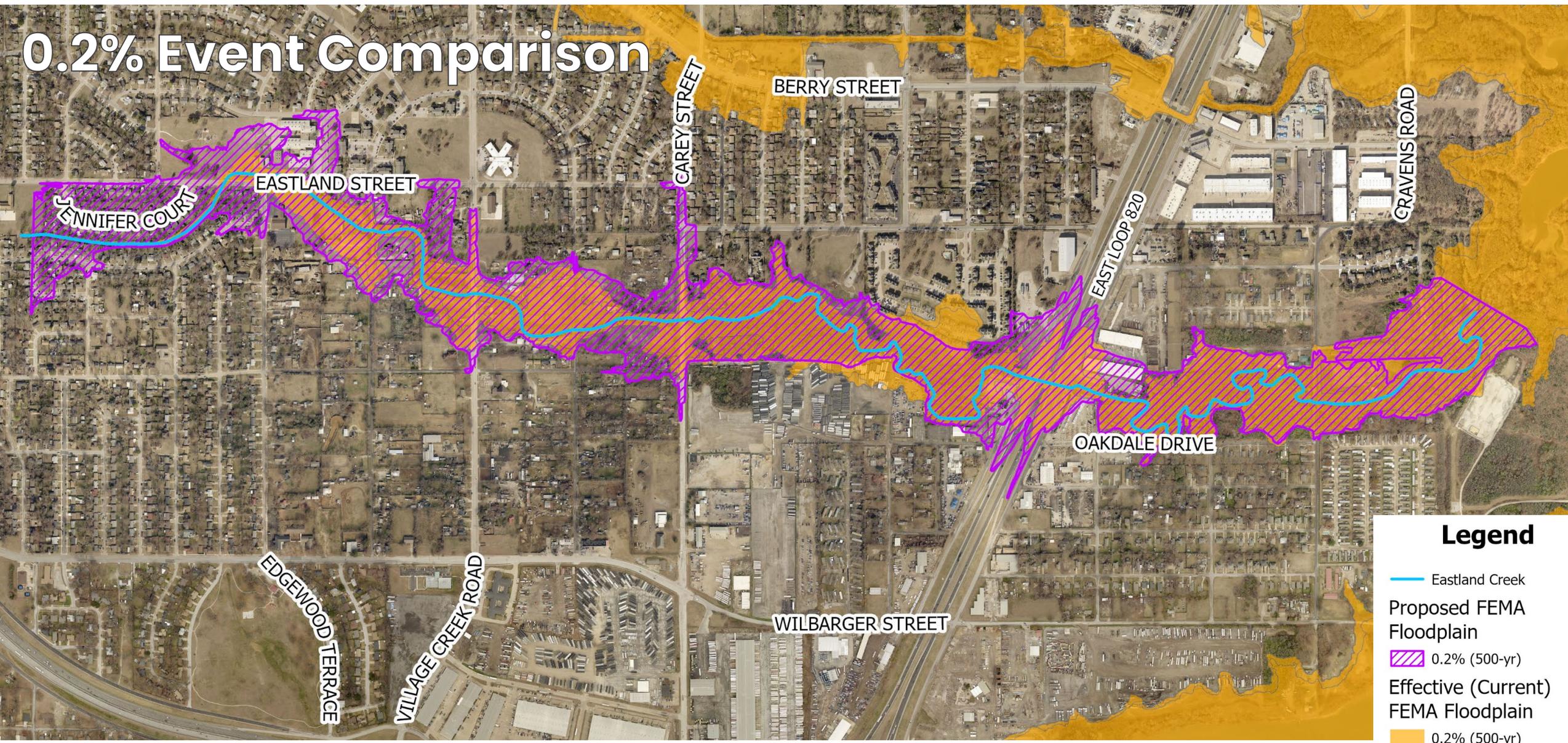
# 1% Event Comparison



**Legend**

- Eastland Creek
- Proposed FEMA Floodplain
  - Zone AE (1% or 100-yr)
- Effective (Current) FEMA Floodplain
  - Zones AE & A (1% or 100-yr)

# 0.2% Event Comparison

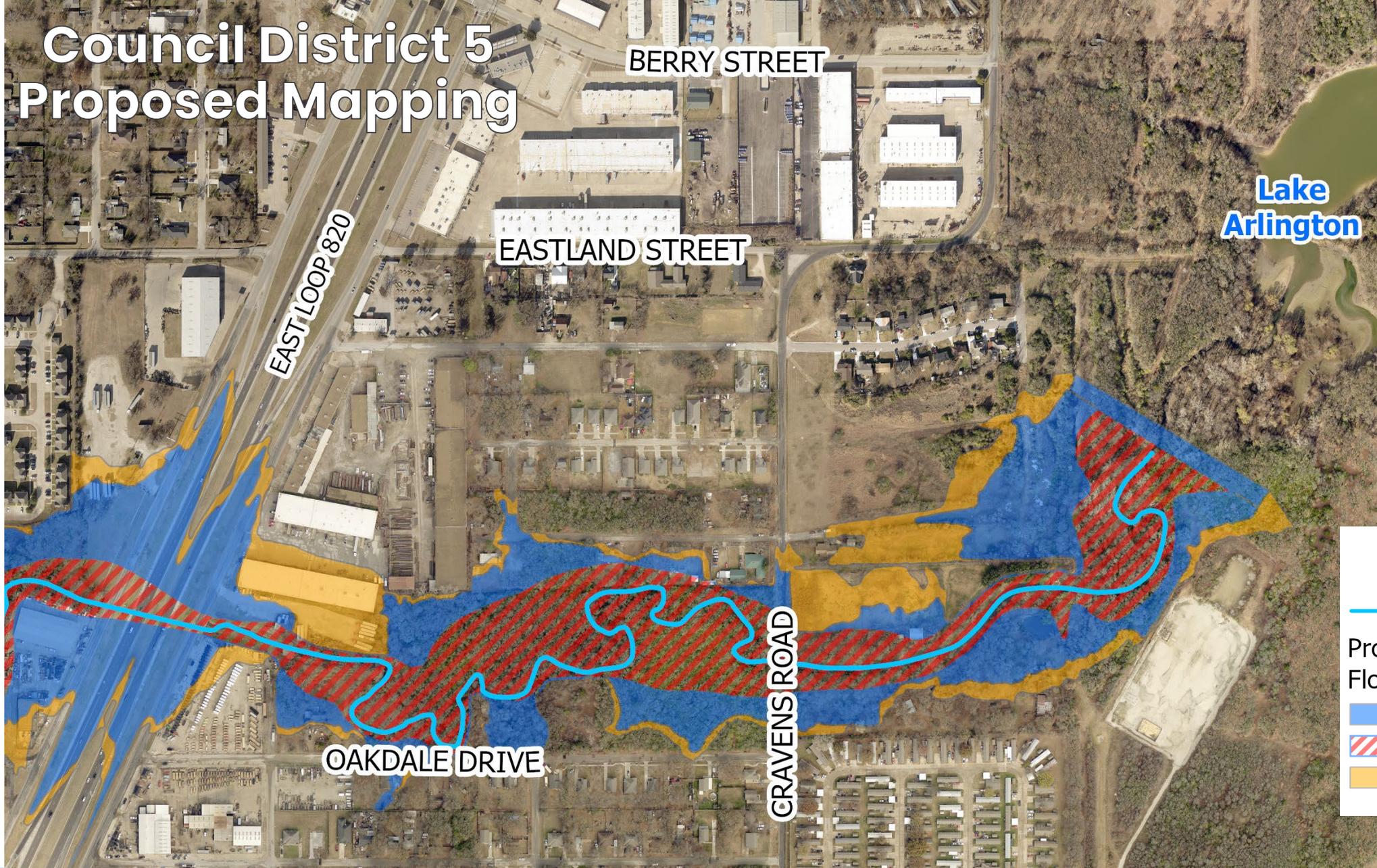


**Legend**

- Eastland Creek
- Proposed FEMA Floodplain
- 0.2% (500-yr)
- Effective (Current) FEMA Floodplain
- 0.2% (500-yr)



# Council District 5 Proposed Mapping

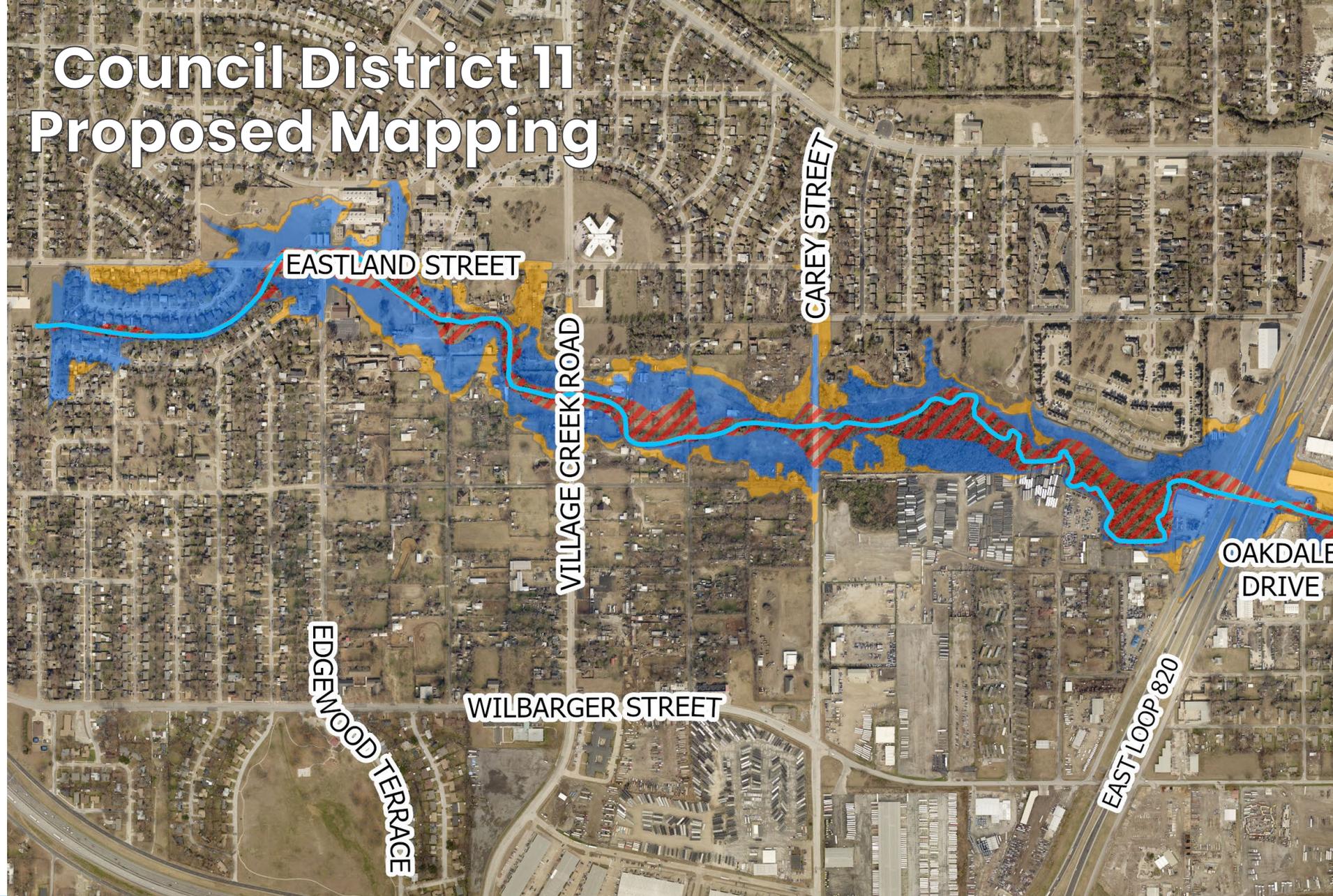


Lake  
Arlington

## Legend

- Eastland Creek
- Proposed FEMA Floodplain
  - Zone AE (1% or 100-yr)
  - Floodway
  - 0.2% (500-yr)

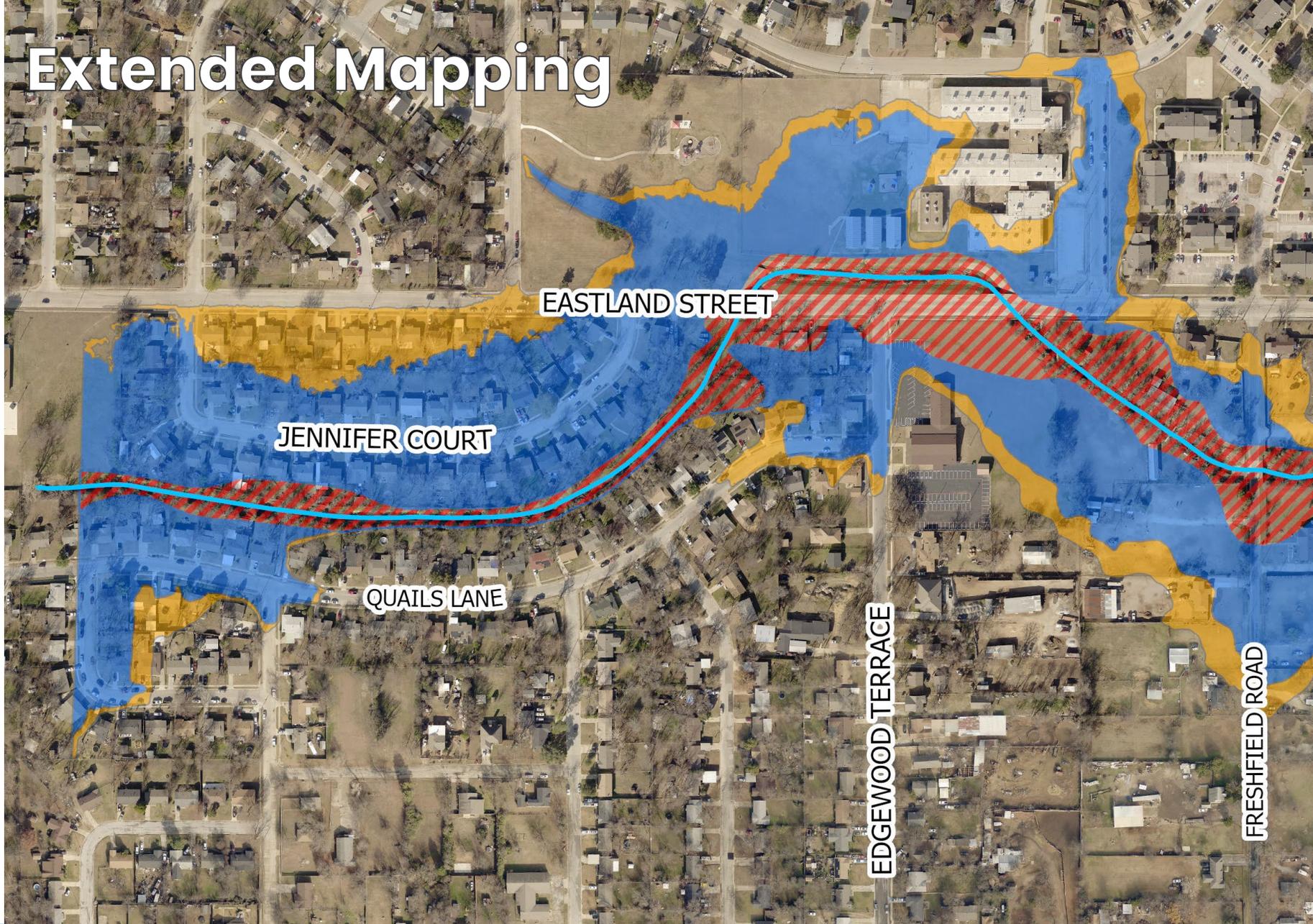
# Council District 11 Proposed Mapping



## Legend

- Eastland Creek
- Proposed FEMA Floodplain
  - Zone AE (1% or 100-yr)
  - Floodway
  - 0.2% (500-yr)

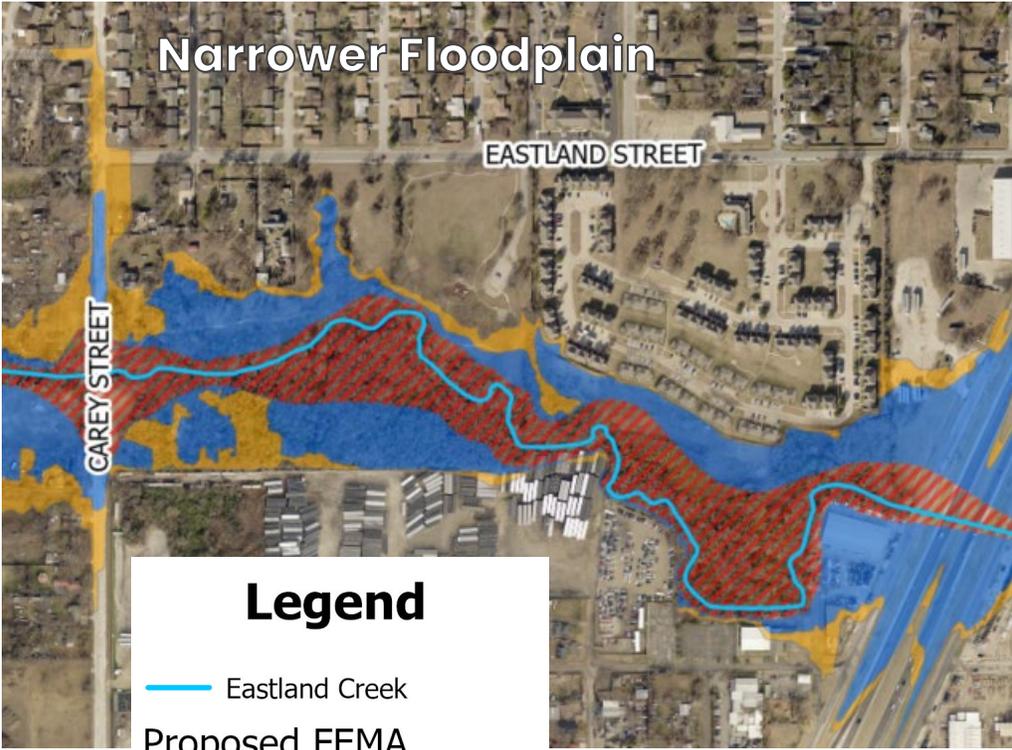
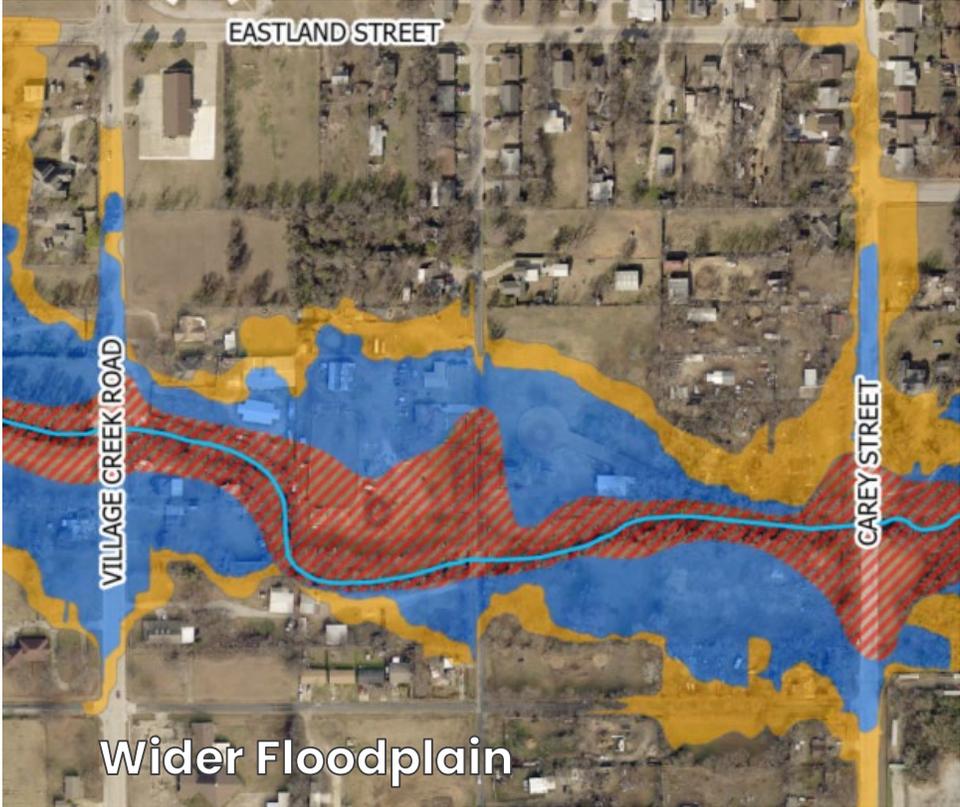
# Extended Mapping



## Legend

- Eastland Creek
- Proposed FEMA Floodplain
  - Zone AE (1% or 100-yr)
  - Floodway
  - 0.2% (500-yr)

# Areas of Major Mapping Changes



**Legend**

- Eastland Creek
- Proposed FEMA Floodplain
- Zone AE (1% or 100-yr)
- Floodway
- 0.2% (500-yr)

# Flood Insurance

- Federally backed mortgages will be required to obtain insurance
  - **Note:** Some lenders require flood insurance even if the structure or property are not located within the floodplain
- City recommends flood insurance to **all** residents and business owners
- All residents and business owners will receive a 15% discount through the National Flood Insurance Program (NFIP) due to the City's participation in FEMA's Community Rating System (CRS)
  - Discount does not apply to private flood insurance

# Flood Insurance (cont.)

- More information about flood insurance  
<https://www.floodsmart.gov/>
  - Request a quote now based on the current FEMA effective mapping
  - Request updated quotes once study mapping is effective



**FEMA**



**NATIONAL FLOOD  
INSURANCE PROGRAM**

# Development Within the FEMA Floodplain

- Projects require a Floodplain Development Permit (FDP) through the City
- FDP must be issued before work can begin
- Project Examples with FDP Requirements:
  - Yard grading or extensive landscaping (including fill)
  - Adding or replacing fences or retaining walls
  - Interior remodels
  - Building new structures or additions (including sheds and detached garages)

# Development Within the FEMA Floodplain (cont.)

- Additions or renovated structures may be evaluated as a substantial improvement
  - May be required to be brought to today's standards
  - May include elevating the structure
- Large projects or projects within the floodway may require a flood study and mapping update

Email questions about FDPs or the permitting process to [SDS@FortWorthTexas.gov](mailto:SDS@FortWorthTexas.gov) or [Floodplain@FortWorthTexas.gov](mailto:Floodplain@FortWorthTexas.gov)

# How to Protect Your Property From Flooding

## No FDP Required

- Place temporary flood barriers around doorways and air conditioning units
- Install weather stripping and use waterproof sealant
- Install gutters and aim downspouts away from the foundation

## FDP Required

- Elevate electrical panels and air conditioning units above flood levels
- Consider yard grading measures to direct stormwater runoff away from the structure

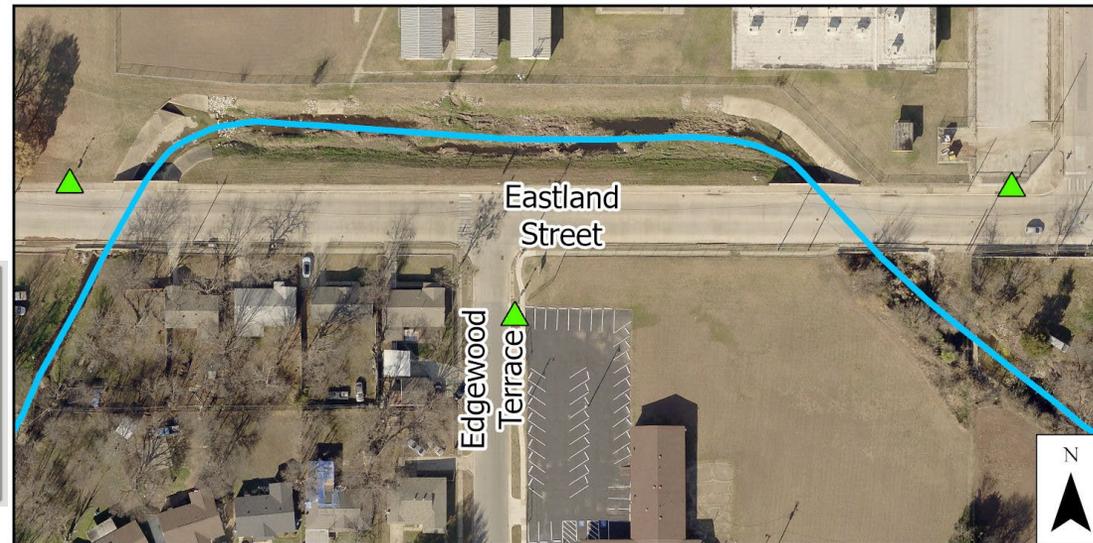
# Potential Future Improvements & City Responsibilities



# Flood Warning System

## Eastland St

- Rainfall & water level monitoring
- Highway Advisory Alert Systems (HAAS) unit to warn drivers
- Flashers



Real Time Flood Warning Map  
<https://cs-029.onerain.com/>

**Legend**

- Eastland Creek
- Flood Warning System
- ▲ Flasher

# Evaluation of Improvement Needs: Erosion Mitigation

- Channel erosion identified during inspections and from resident reports
  - 2014 Flood Study
  - Channel Rehabilitation Program
- Capital Improvement Project (CIP) need identified along Jennifer Court area
  - Currently ranked 3<sup>rd</sup> on prioritization list



# Evaluation of Improvement Needs: Erosion Mitigation (cont.)



- CIPs are prioritized considering citywide priorities and funding availability
- Erosion improvements are estimated to cost roughly \$9.4-12.2 million
- Until resources are available, City will perform smaller erosion projects at key locations in the channel based on risk

# City Maintenance Responsibilities in Eastland Creek Drainage Easement

## What we do

- Mow approximately 3 times per year
- Clear culverts under roads
- Remove blockages from channel

## How it helps

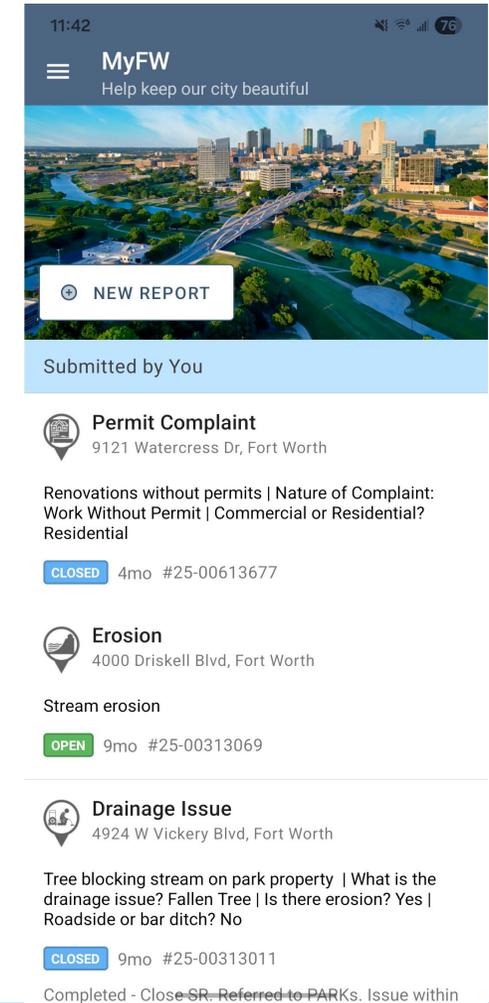
- Maintains conveyance
- Mitigates erosion
- Mitigates impacts to adjacent infrastructure and properties

**Bottom line:** Helps reduce flood risk along channel



# Report Maintenance Concerns

- Using the [My Fort Worth app](#)
- Calling 817-392-1234
- Text 817311
- Emailing [StormwaterCS@FortWorthTexas.gov](mailto:StormwaterCS@FortWorthTexas.gov)
- Online at [FortWorthTexas.gov/report](https://FortWorthTexas.gov/report)



# Questions?

**Morgan Walloch, PE, CFM**

Study Manager

[Floodplain@fortworthtexas.gov](mailto:Floodplain@fortworthtexas.gov)

817-392-6261

**Lisa Biggs, PE, CFM**

Floodplain Administrator

[Floodplain@fortworthtexas.gov](mailto:Floodplain@fortworthtexas.gov)

For more information:

<https://www.fortworthtexas.gov/departments/tpw/stormwater#eastland-creek> or

