

## Council Resolution 20110113-038

- 1. Creek Protection
- 2. Floodplain Protection
- Development Patterns and Greenways
- 4. Improved Stormwater Controls
- 5. Mitigation Options
- 6. Simplify Regulations and Maintain Opportunity
- 7. Coordinate with Regional Partners

**Stakeholder Input** 

## **Adoption Schedule**

Stakeholder I	Meetings
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Sep 2011 – April 2012

(Meetings approx. every two weeks)

1. Creek Protection:

Sep 9, 23, Oct 7

2. Floodplain Protection:

Oct 14, Oct 28

3. Development Patterns & Greenways:

Nov - Dec

4. Improved Stormwater Controls:

Dec - Jan

5. Simplify & Clarify Regs/Maintain Opportunity:

Jan - Feb

6. Mitigation Options (Desired Development Zone): Feb - Mar

7. Draft Ordinance:

Apr

#### **Boards & Commissions**

May - June 2012

**City Council** 

August 2012

**Travis County Commissioner's Court** 

Fall 2012

# Work Session Summary: Creek Protection

#### Session No. 1 (Sep. 09)

- Introduction
- Riparian Zone Benefits
- Problems & Costs of Stream Encroachment
- Existing Stream Setbacks

### Session No. 2 (Sep. 23)

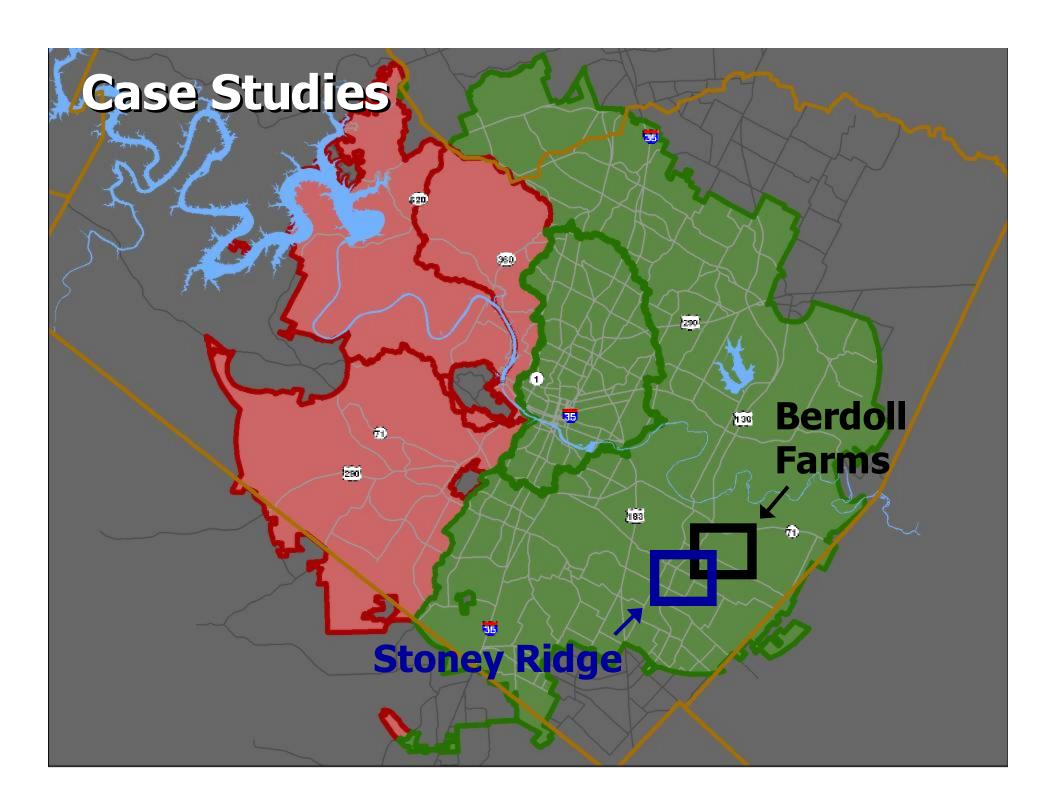
- Case Studies
- Potential Strategies
- Work Group Analysis & Feedback

### Session No. 3 (Oct. 07)

Discussion & Stakeholder Feedback

## **Riparian Summary**

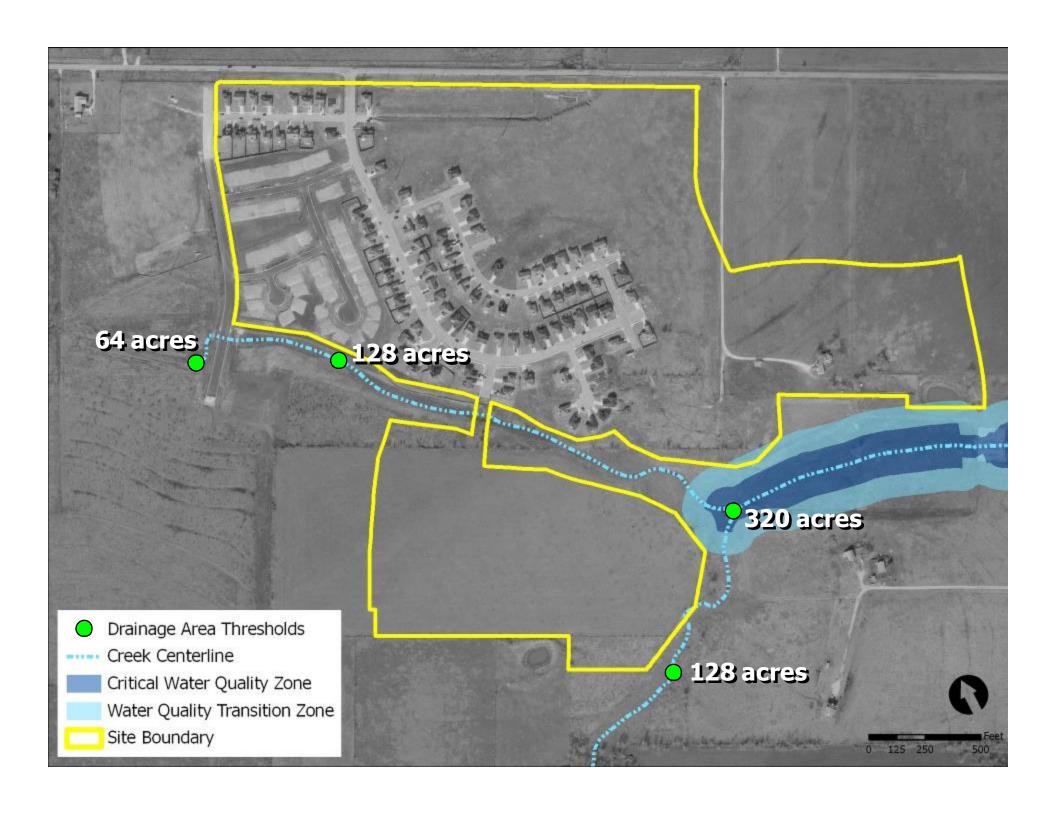
- Riparian zones/stream buffers have multiple benefits
  - > Small area with big impact
  - > Headwaters especially important
- Significant problems & costs when riparian zone is not protected; prevention critical
- Austin an early pioneer with stream setbacks: since 1980, much experience
- Existing buffer system does not protect headwaters in eastern creeks





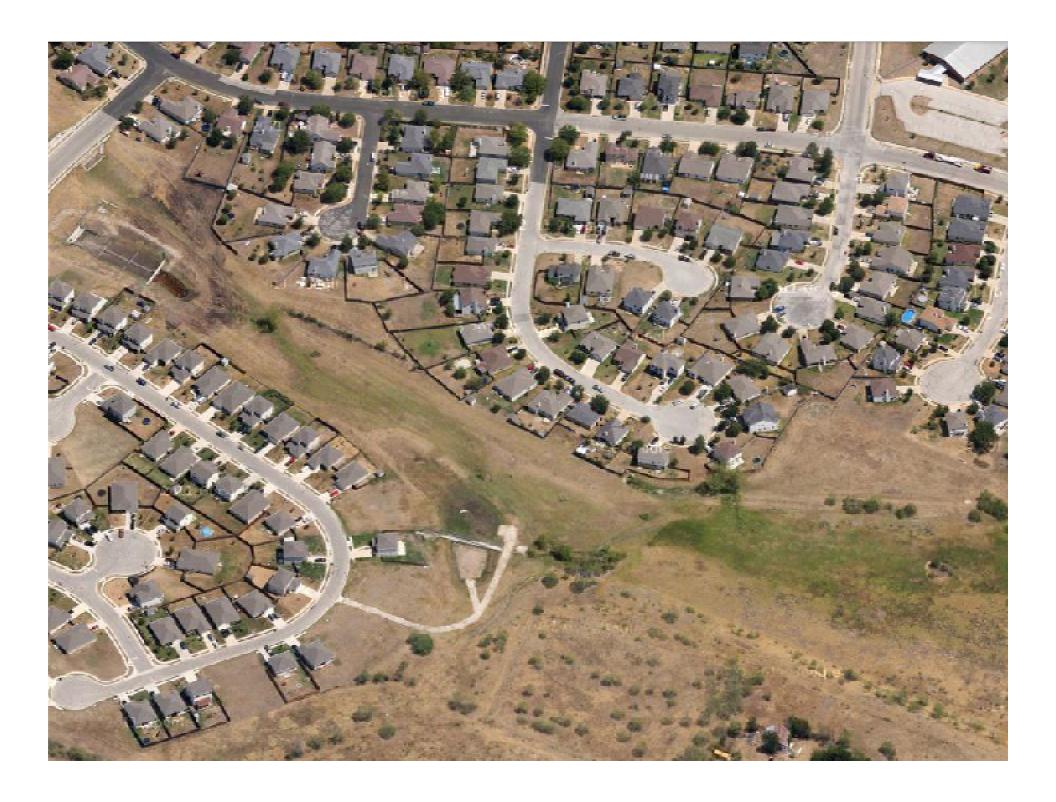












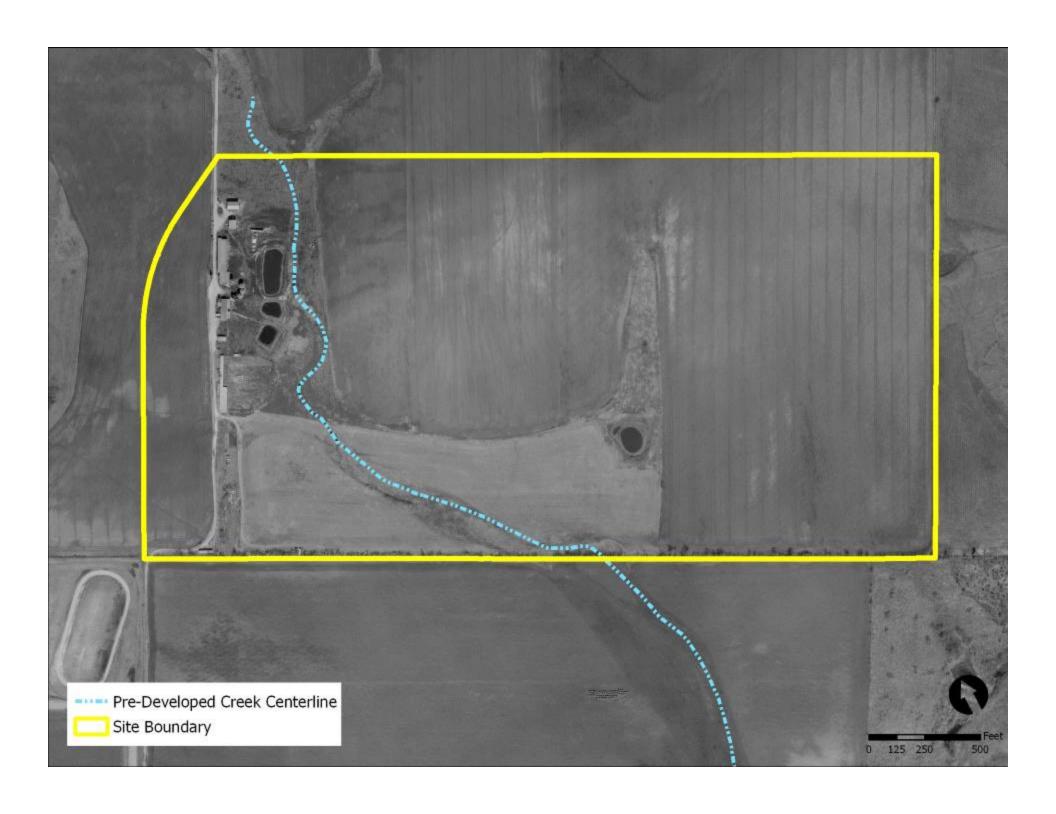
## **Berdoll Farms**



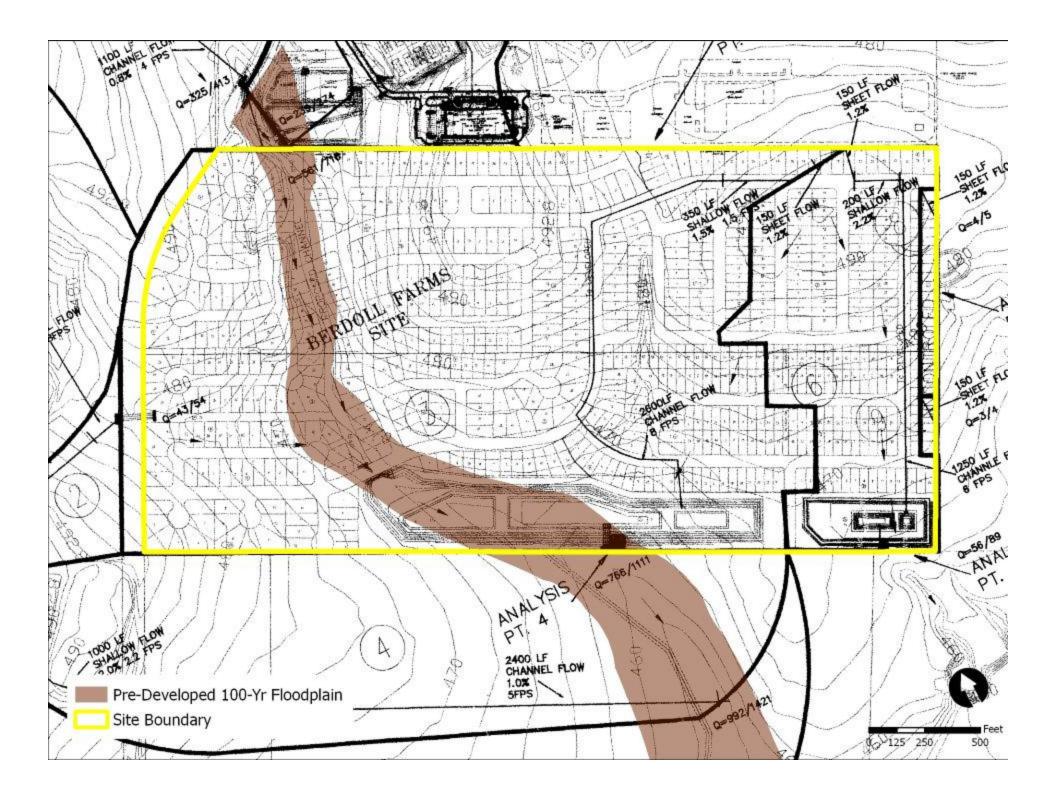
## Dry Creek East Watershed (Suburban) 145 acres

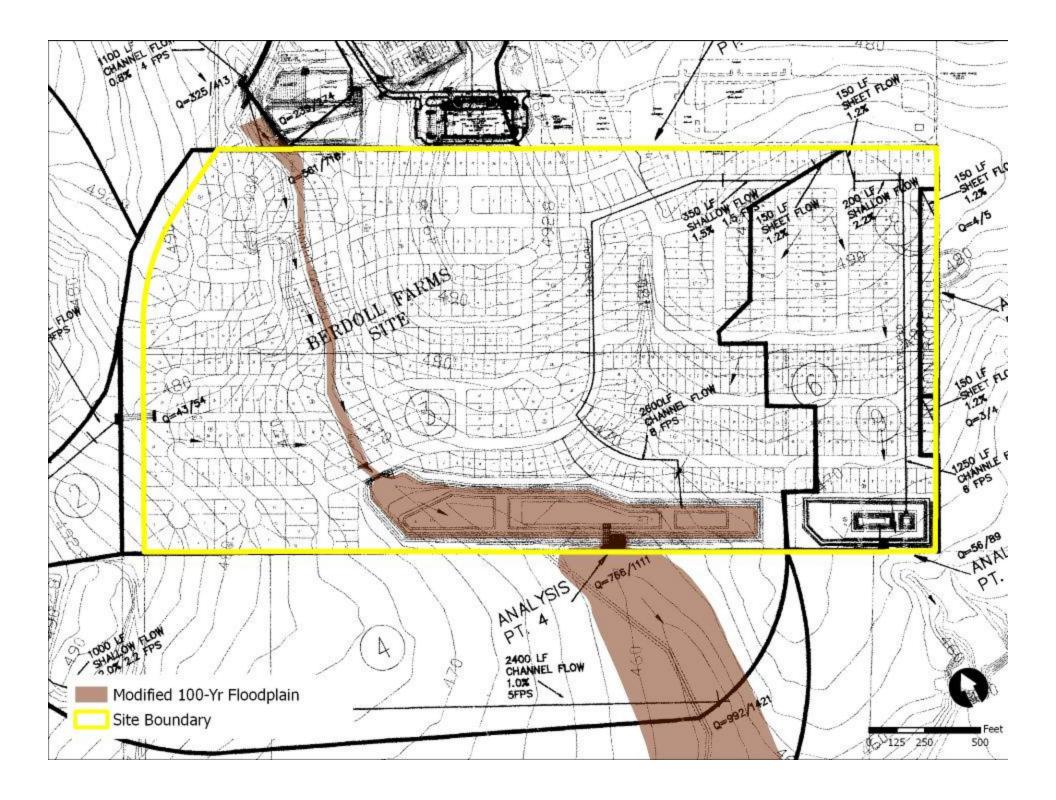
**685 Single Family Lots** 





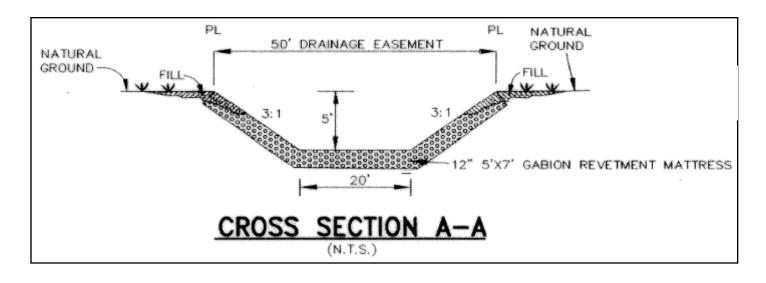


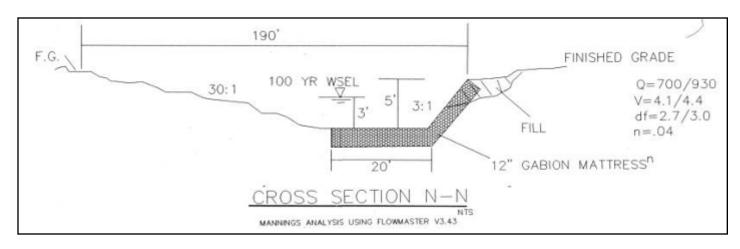




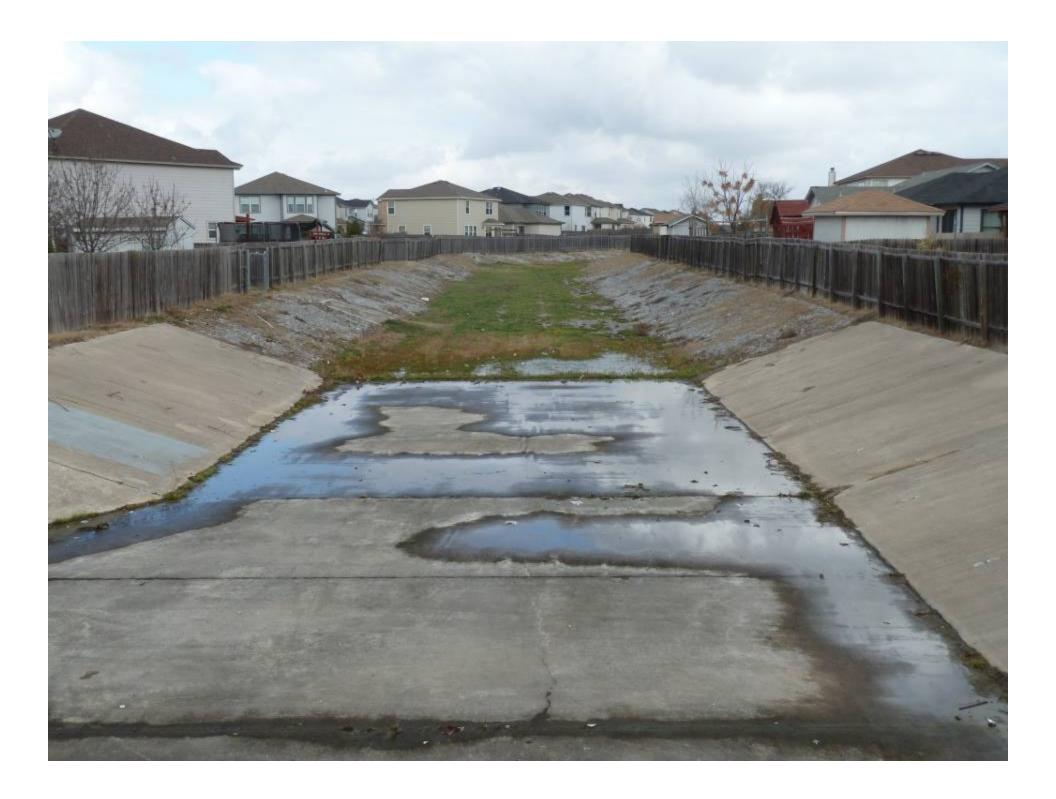


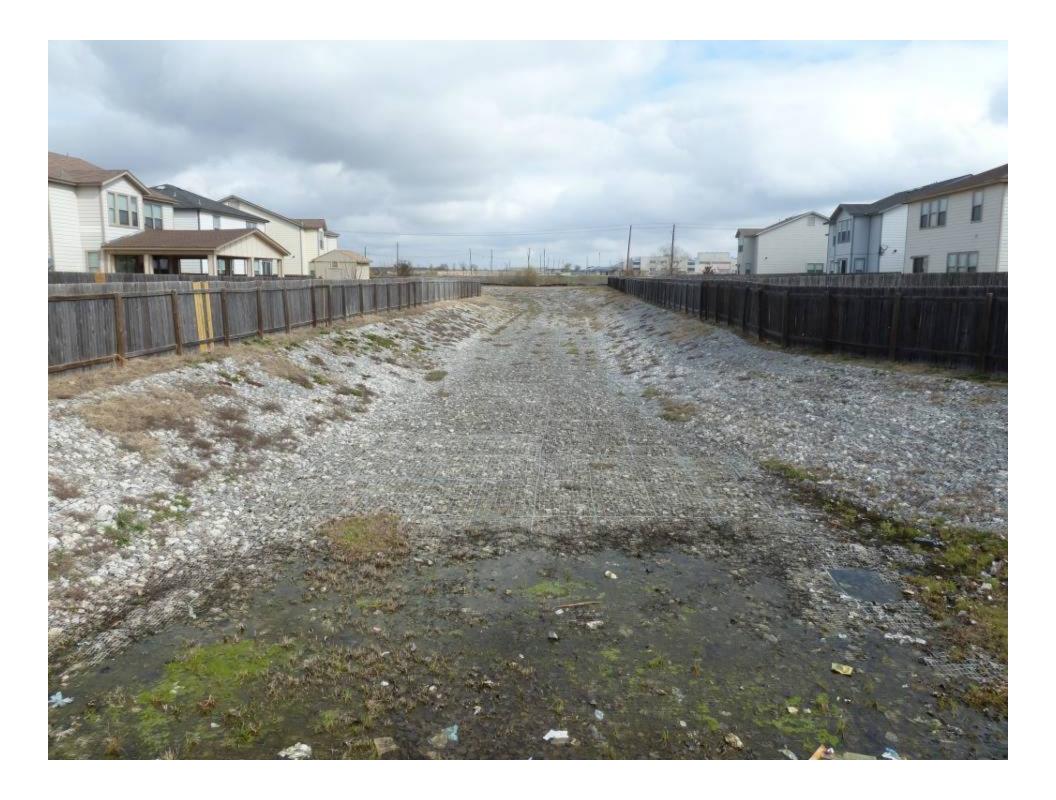
# **Channel Design**





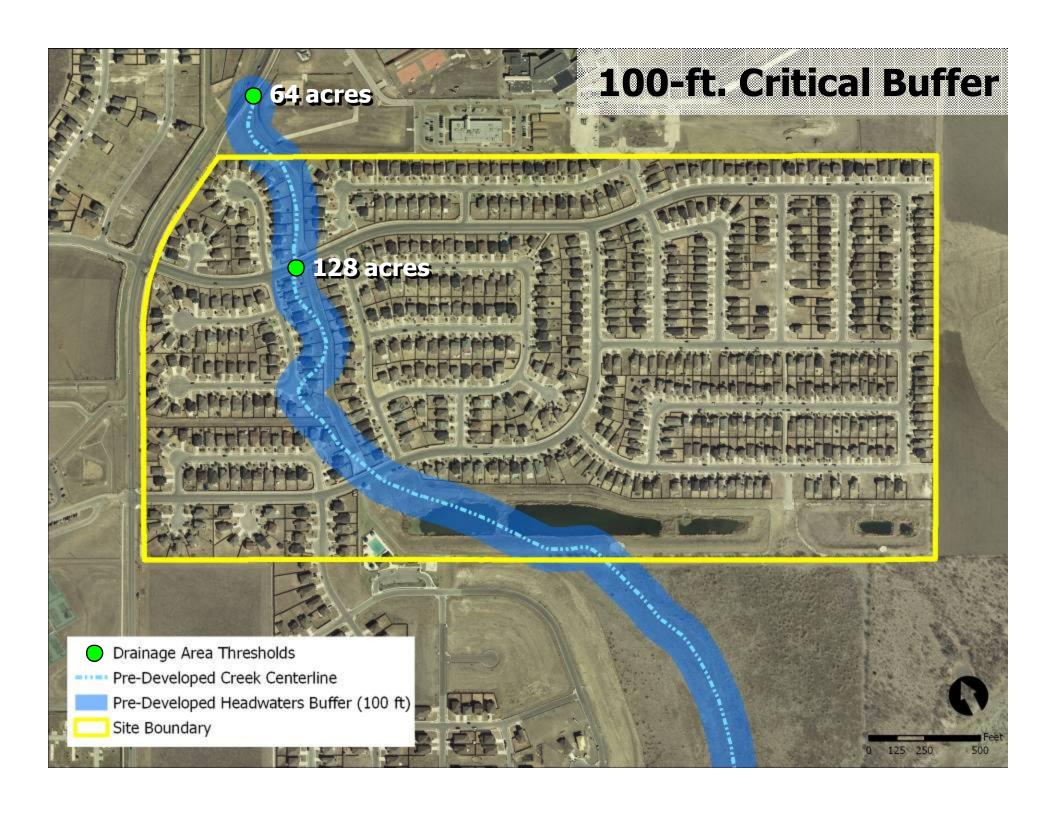


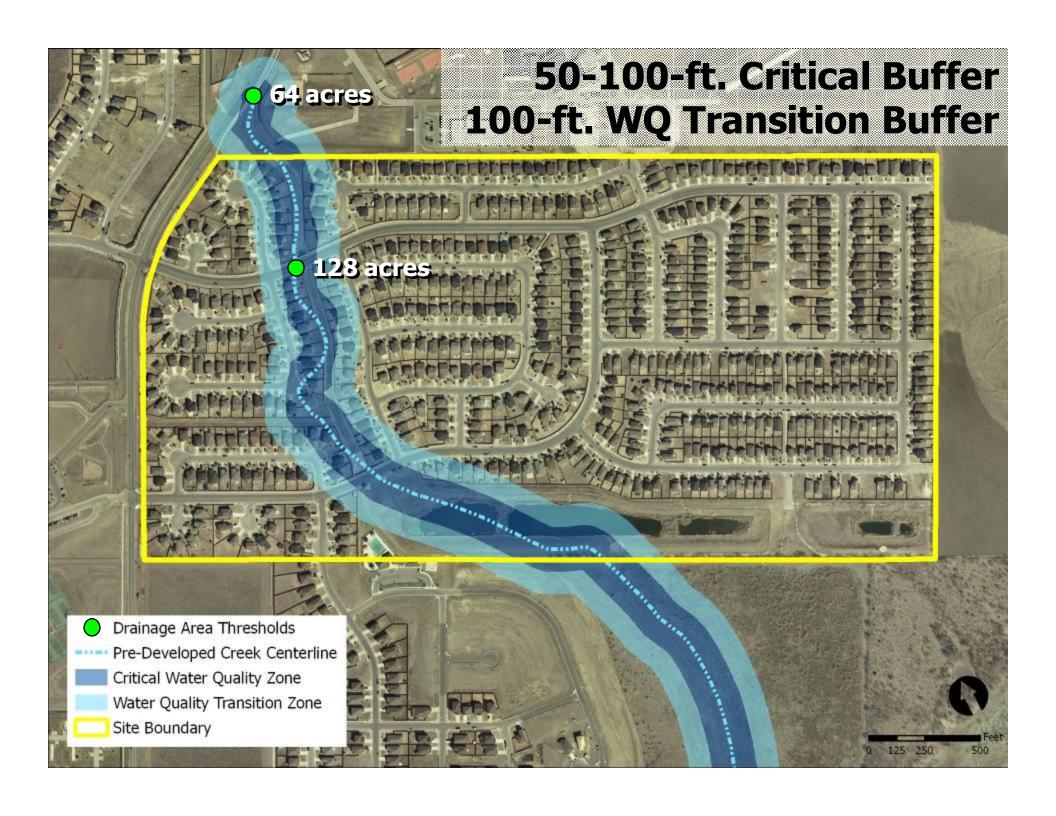




# **Creek Protection: Potential Strategies**

- Extend creek buffers into headwaters
  - > 64-acre drainage area threshold
- Establish buffer widths to cover Erosion Hazard Zones & protect water quality
  - > 100-feet from centerline: minor waterways
- Identify strategies to maintain existing development potential & increase flexibility (Desired Development Zone)
  - > Gross Site Area
  - > Eliminate Water Quality Transition Zone







80%
Impervious
Cover

Modified Channel

No Headwaters Buffer

Watershed Health



69%
Impervious
Cover

Net Site Area

Headwaters Buffer

Watershed Health



73% Impervious Cover

Net Site Area

Headwaters Buffer Remove WQTZ

Watershed Health



80%
Transparious

Impervious Cover

Headwaters Buffer Gross Site Area

Remove WQTZ

Watershed Health

## **Work Group Exercise**

- Review sample plan
- Explore options for increased headwaters protection
- Identify options to maintain existing development potential & increase flexibility
- Discuss potential opportunities & impacts
- Report preliminary findings to larger group
- Explore additional options in the next two weeks prior to the next meeting