

#### **City of Corinth**

Public Meeting on FEMA Flood Insurance Rate Map Update for Lynchburg Creek

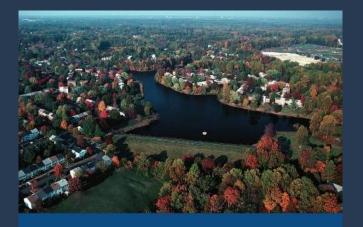
January 31, 2019

### Lynchburg Creek

 NCTCOG CTP FEMA – Developed revised flood study for entire watershed

# Preliminary Flood maps issued June 2018





Flood Risk Report

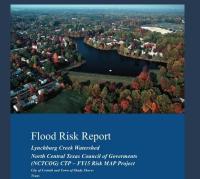
Lynchburg Creek Watershed North Central Texas Council of Goverments (NCTCOG) CTP – FY15 Risk MAP Project City of Corinth and Town of Shady Shores Texas

Report Number 01 10/31/2017 FEMA



### Lynchburg Creek Flood Risk Report

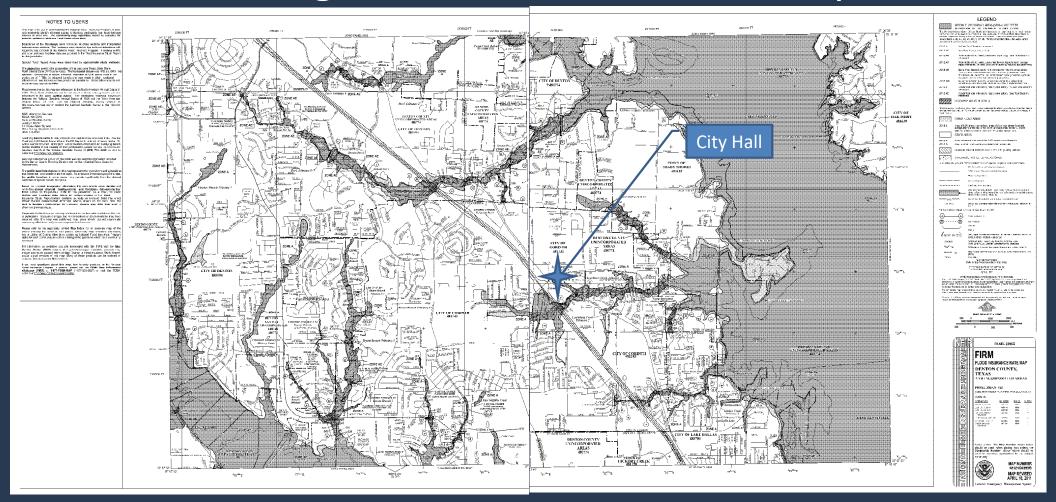
- Updated Drainage Bains
- Updated Hydrologic and hydraulic data
- Updated topographic data
  - Field survey
  - LIDAR Contours



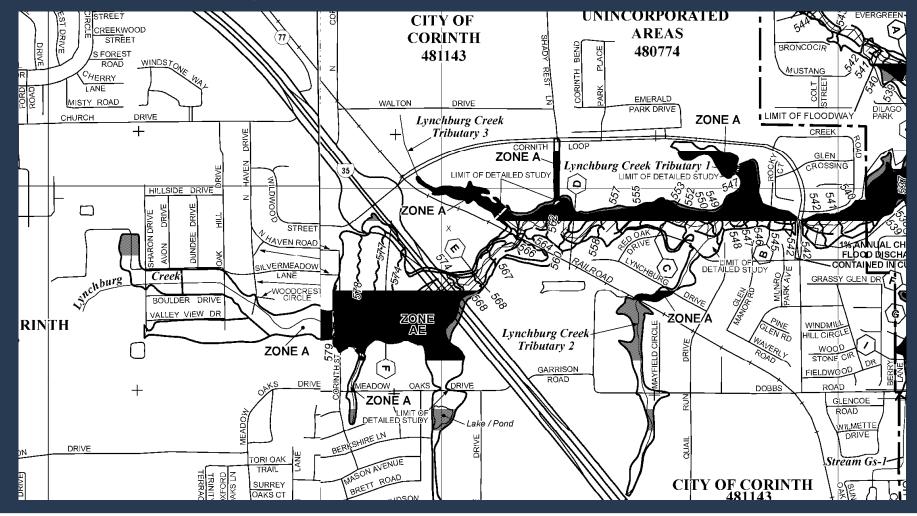




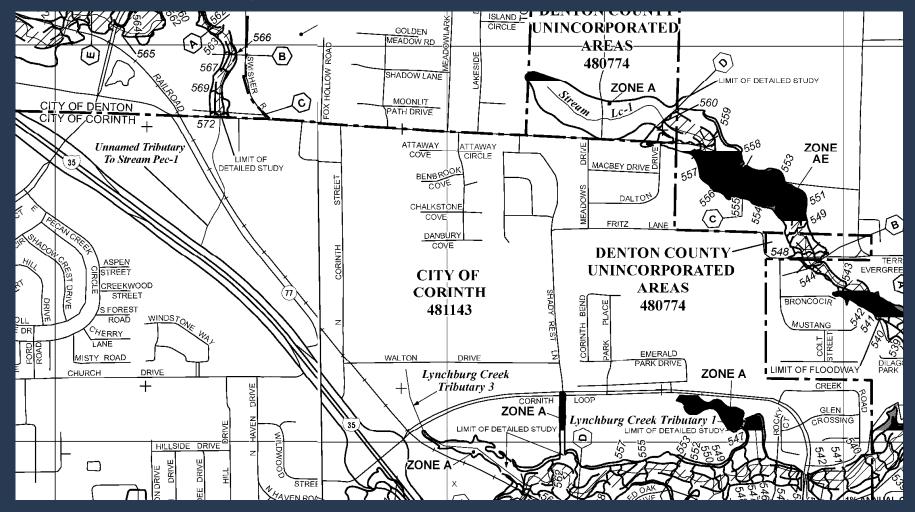
#### **Existing Flood Insurance Rate Maps**



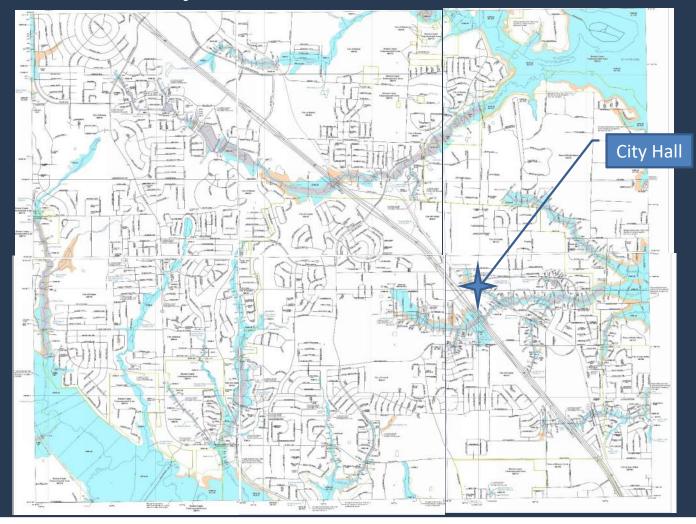
#### **Existing Flood Insurance Rate Maps**



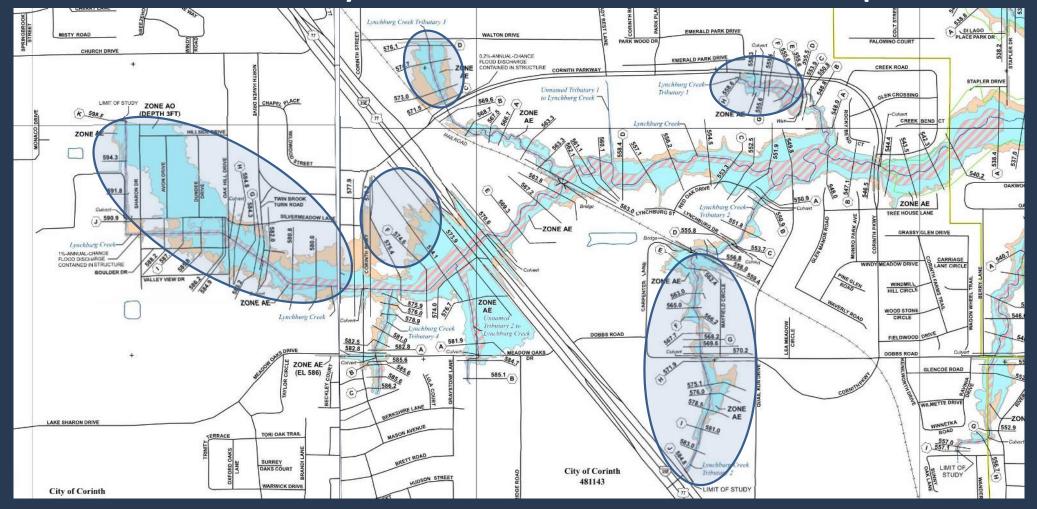
#### **Existing Flood Insurance Rate Maps**



#### Preliminary Flood Insurance Rate Maps

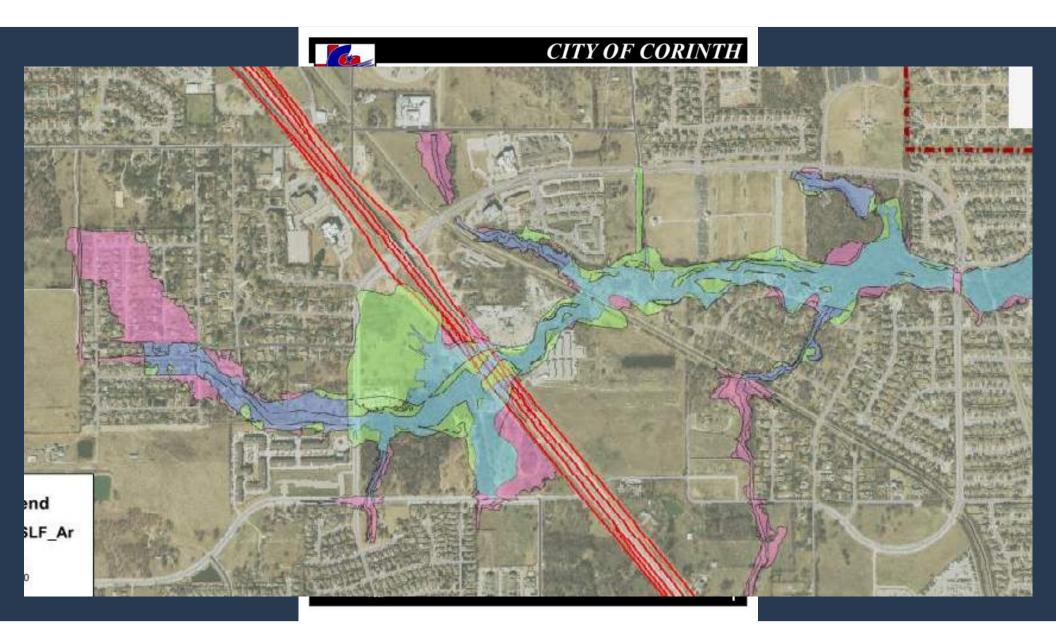


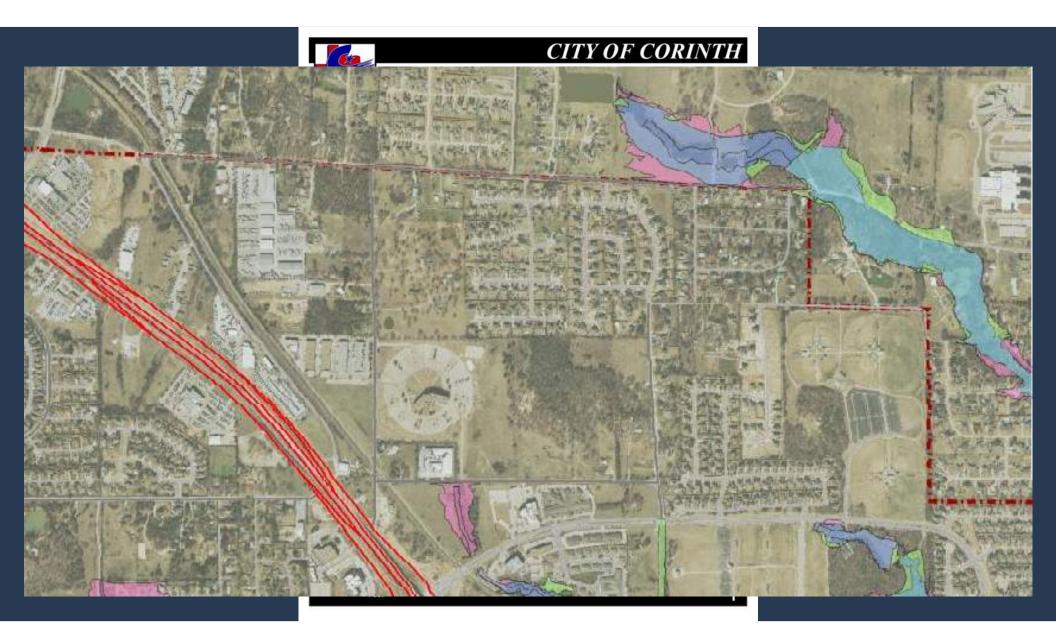
#### Preliminary Flood Insurance Rate Maps



#### Preliminary Flood Insurance Rate Maps







#### What do new maps mean?

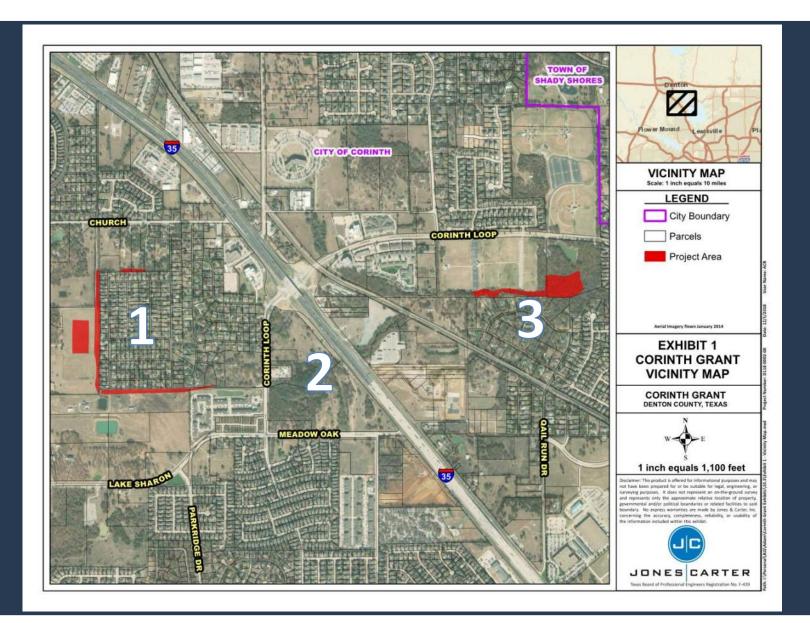
- Property owners with federally regulated mortgages within the SFHA will be required to obtain flood insurance.
- Flood insurance ranges from \$400 to \$4000 depending on where the home sits within the floodplain.

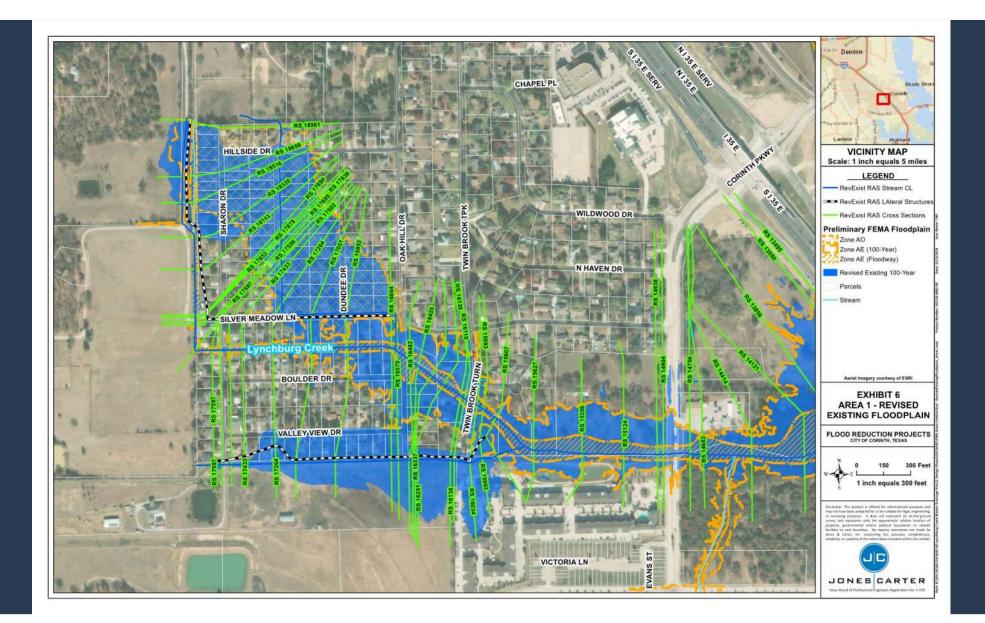
#### Flood Insurance Rate Map Grandfathering Rules

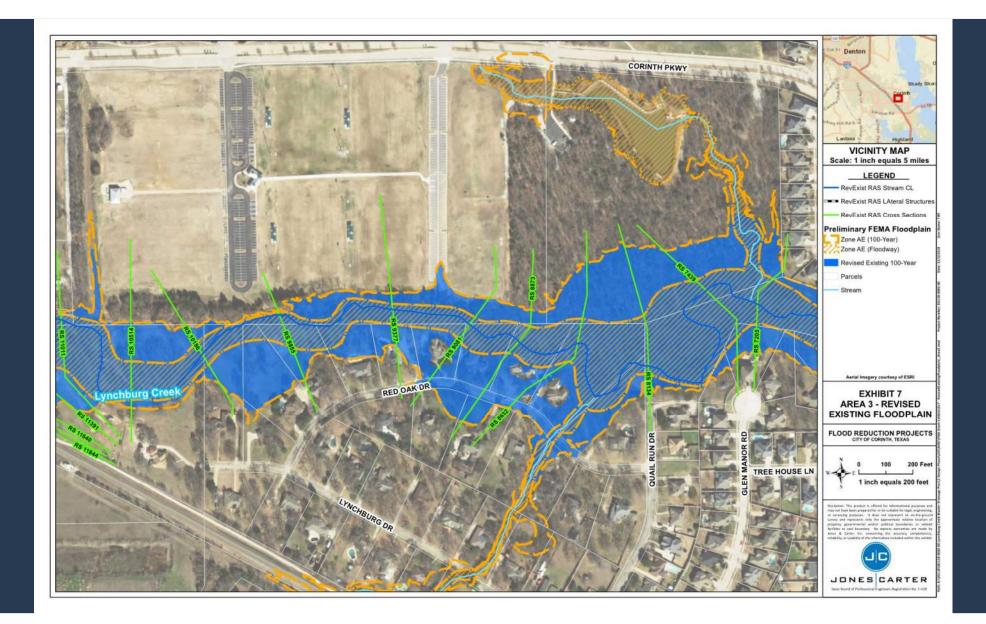
- Allows existing policy rates to remain effective after a map change
  - -May be subject to 18% increase each year
    - (Homeowner Flood Insurance Affordability Act of 2014)
  - -Maintain continuous coverage
- May be cases where rating based on elevation will result in lower premiums (Zone A to AE)

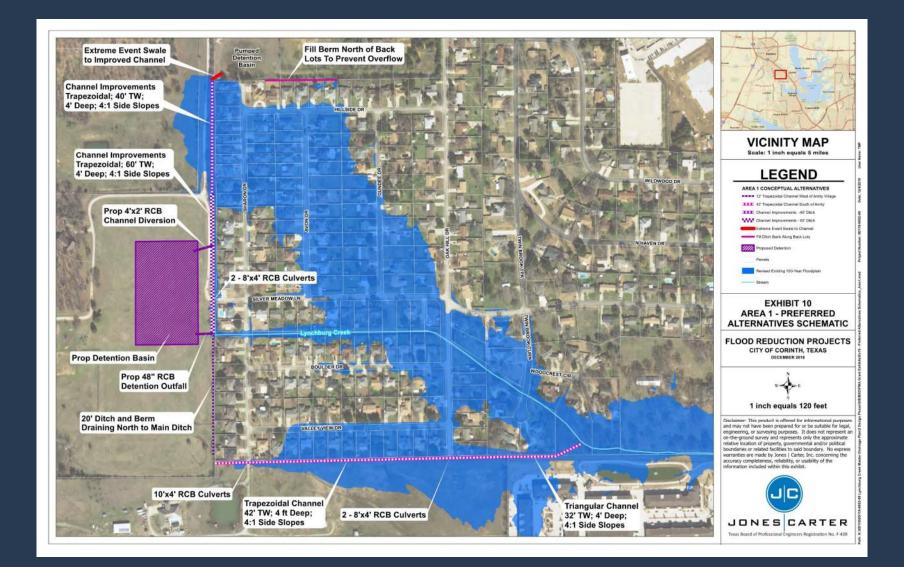
#### Lynchburg Creek

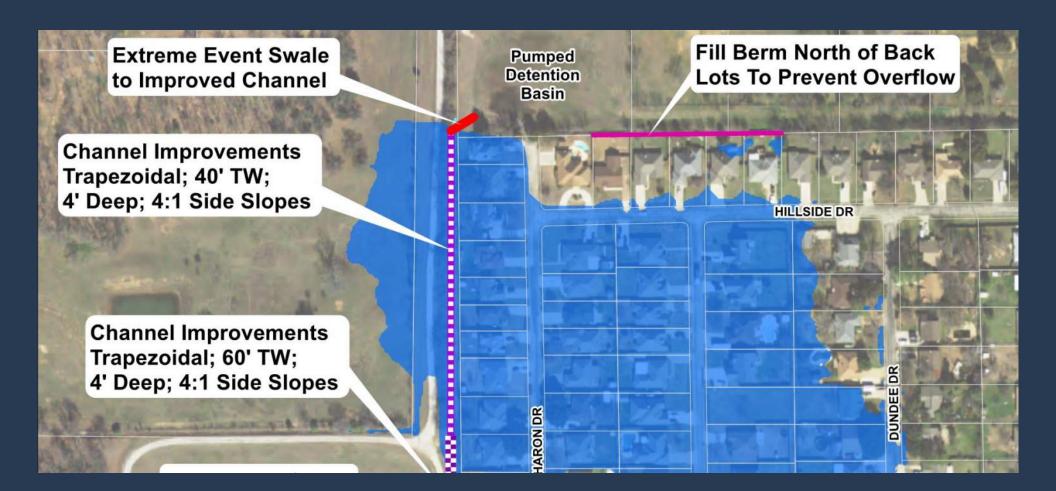
- Jones & Carter Consultant for Corinth
  - -Review study for technical inaccuracies
  - -Review mitigation grant opportunities
    - Area 1 Amity Village
    - Area 2 I-35E & Lynchburg Creek
    - Area 3 Red Oak Drive

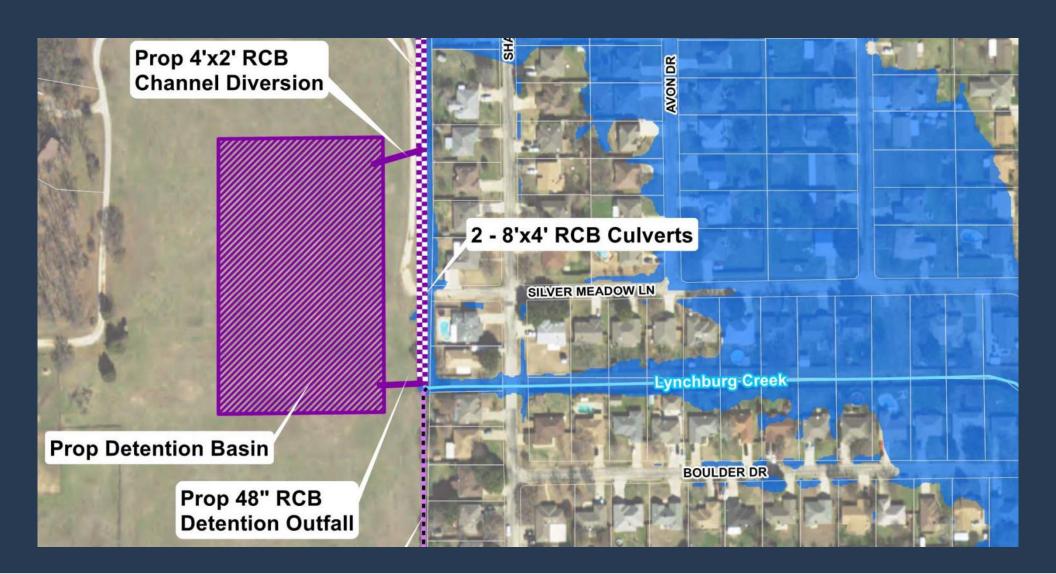




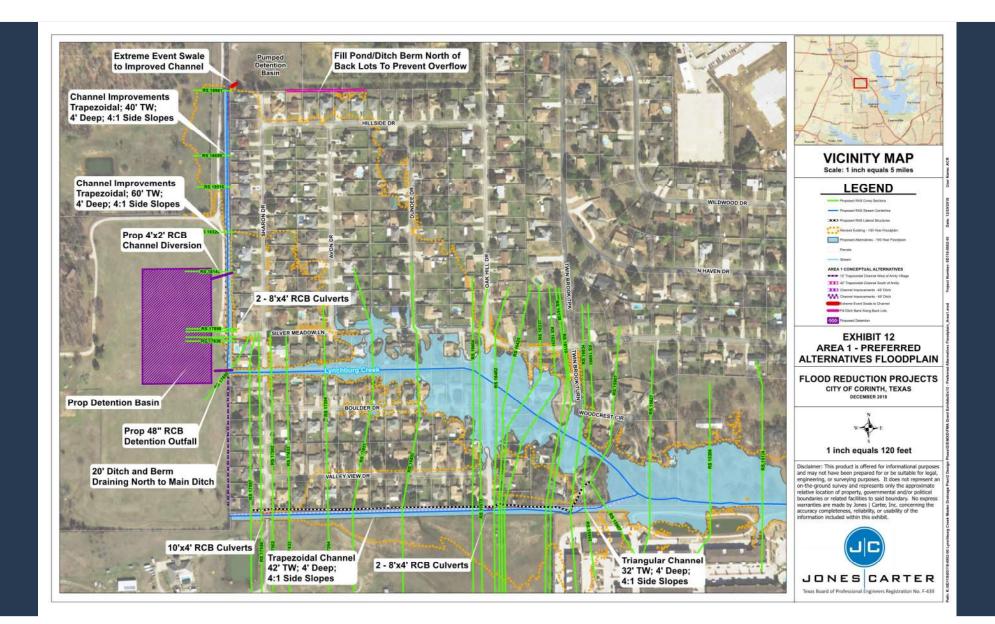


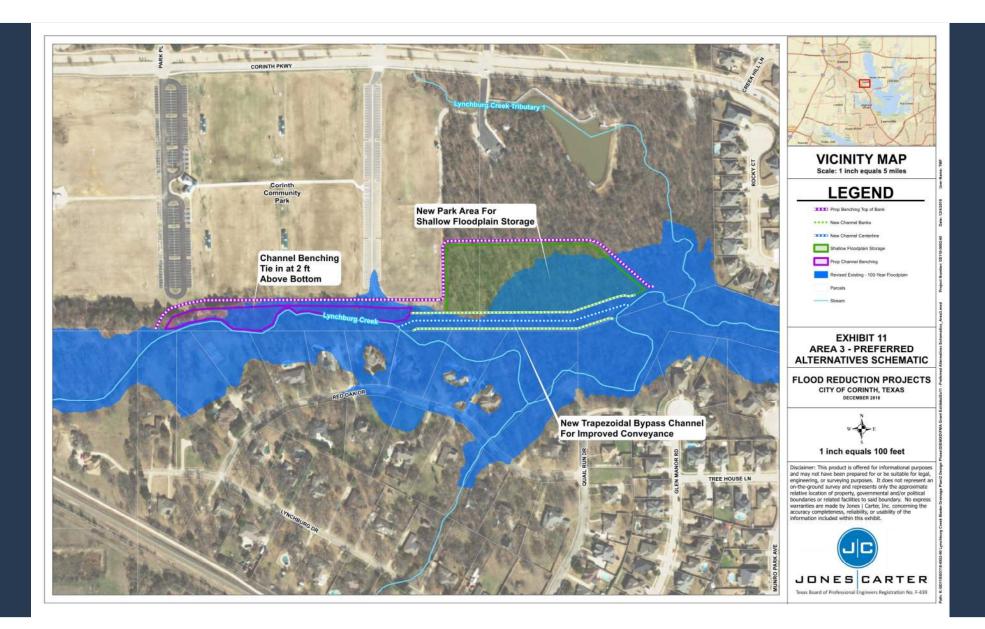


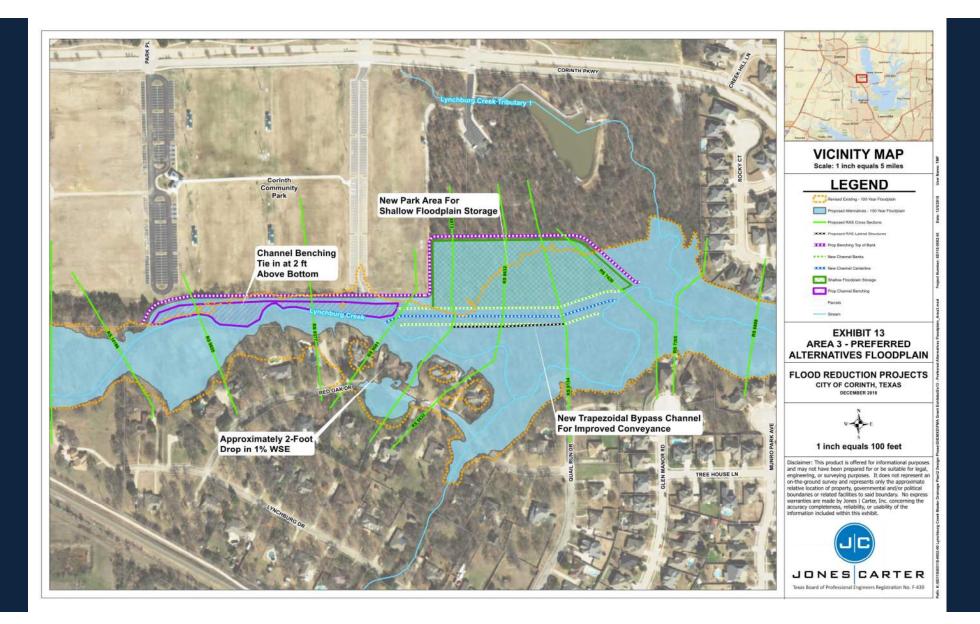




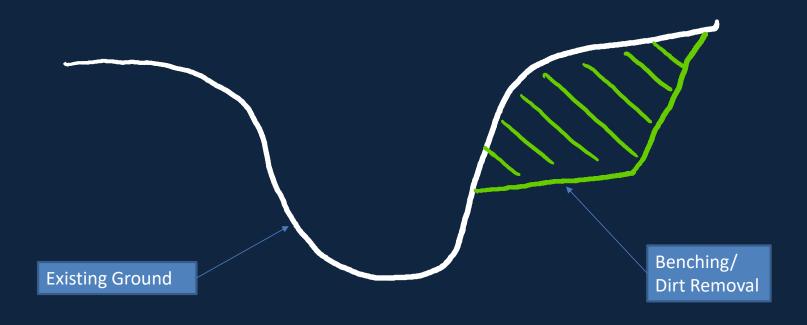


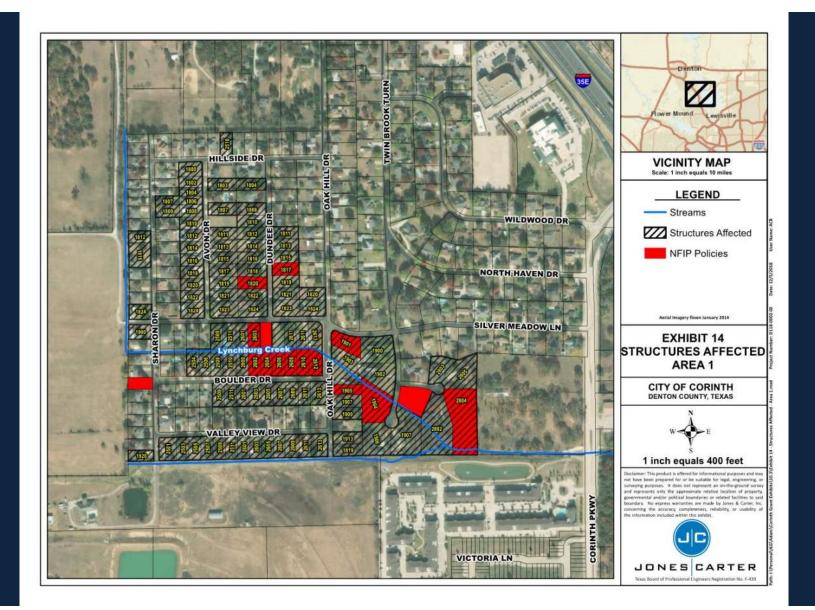


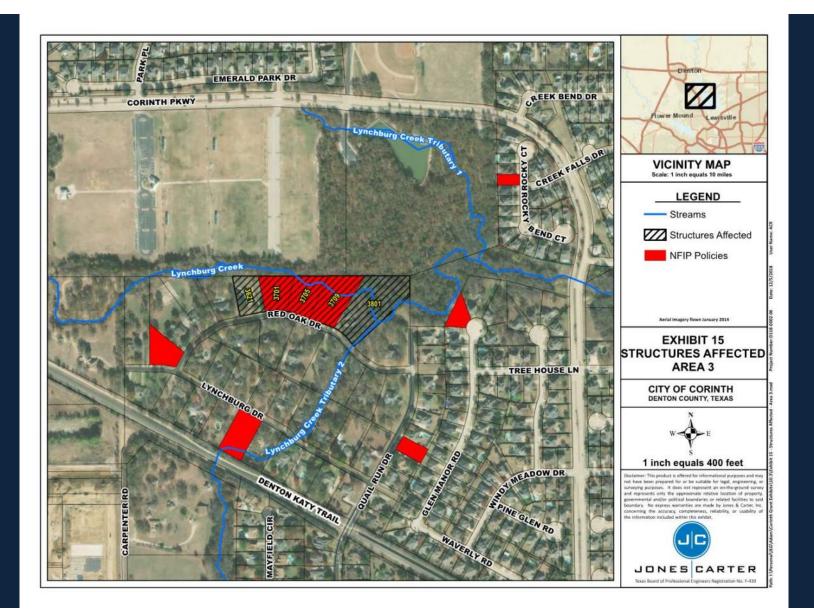




#### Benching Explained:







#### Lynchburg Creek Flood Mitigation Summary

- 65 homes added to Floodplain due to revised mapping.
- 100 homes reduced flood risk
  - 70 homes in Amity come out of the floodplain
  - 5 homes along Red Oak come out of the floodplain
- \$3,361,492 total project cost (75% covered by grant)
- 15 NFIP Policies
  - \$10,575,759 insured vs \$3,850,000 = 2.75 BCA
- 100 Homes
  - \$43,193,234 potential insured vs \$3,850,000 = 11.22 BCA
  - \* \$3,850,000 includes maintenance cost for 20 years

#### City of Corinth, TX Flood Mitigation Costs

- \$25,252 Admin & Legal
- \$1,235,955 Easement
- \$112,663 Engineering Design
- \$132,400 Environmental
- \$37,620 Project Inspection
- \$9,350 Demolition
- \$1,808,252 Construction

- \$3,361,492 Total
- Annual maintenance
  - \$35,398 Mowing

## Timeline

#### City of Corinth Lynchburg Creek Flood Reduction Projects - Areas 1 & 3 December 2018

Task/Milestone	Start Date	End Date	Months	Feb-19	Mar-19	Apr-19	May-19	_	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Feh-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
1. Anticipated Funding Selection	Feb-19	May-19	3																												
2. Negotiate/Purchase Easements	May-19	Aug-19	4																					1	1						
3. Topographic and Boundary Surveys	Sep-19	Oct-19	2												<u>(</u> ]	1 (								2							
4. Prepare Easement Documents	Nov-19	Nov-19	1																												
5. Geotechnical Investigation	Sep-19	Nov-19	3																												
6. Environmental Assessment	Sep-19	Feb-20	6													1															
7. Prepare Environmental Permits, Purchase Credits	Dec-19	Feb-20	3																												
8. Prepare Construction Plans, Specifications	Mar-20	May-20	3																												
9. Prepare Bid Documents, Solicit Bids, Select Contractor	Jun-20	Aug-20	3																												
10. Construction	Sep-21	Apr-21	8																											_	
11. Final Inspection and As-Builts	May-21	Jun-21	2																						Î Î						

#### Questions?

#### www.cityofcorinth.com/gis

www.cityofcorinth.com/floodplain