

# ANCIENT TO THE FUTURE PROJECT

Gray Library, Lamar University  
Saturday, October 28, 2023

JEFFERSON COUNTY  
DRAINAGE DISTRICT NO. 6

Butch Wilson, PE, CFM  
DISTRICT ENGINEER



# PRESENTATION OUTLINE

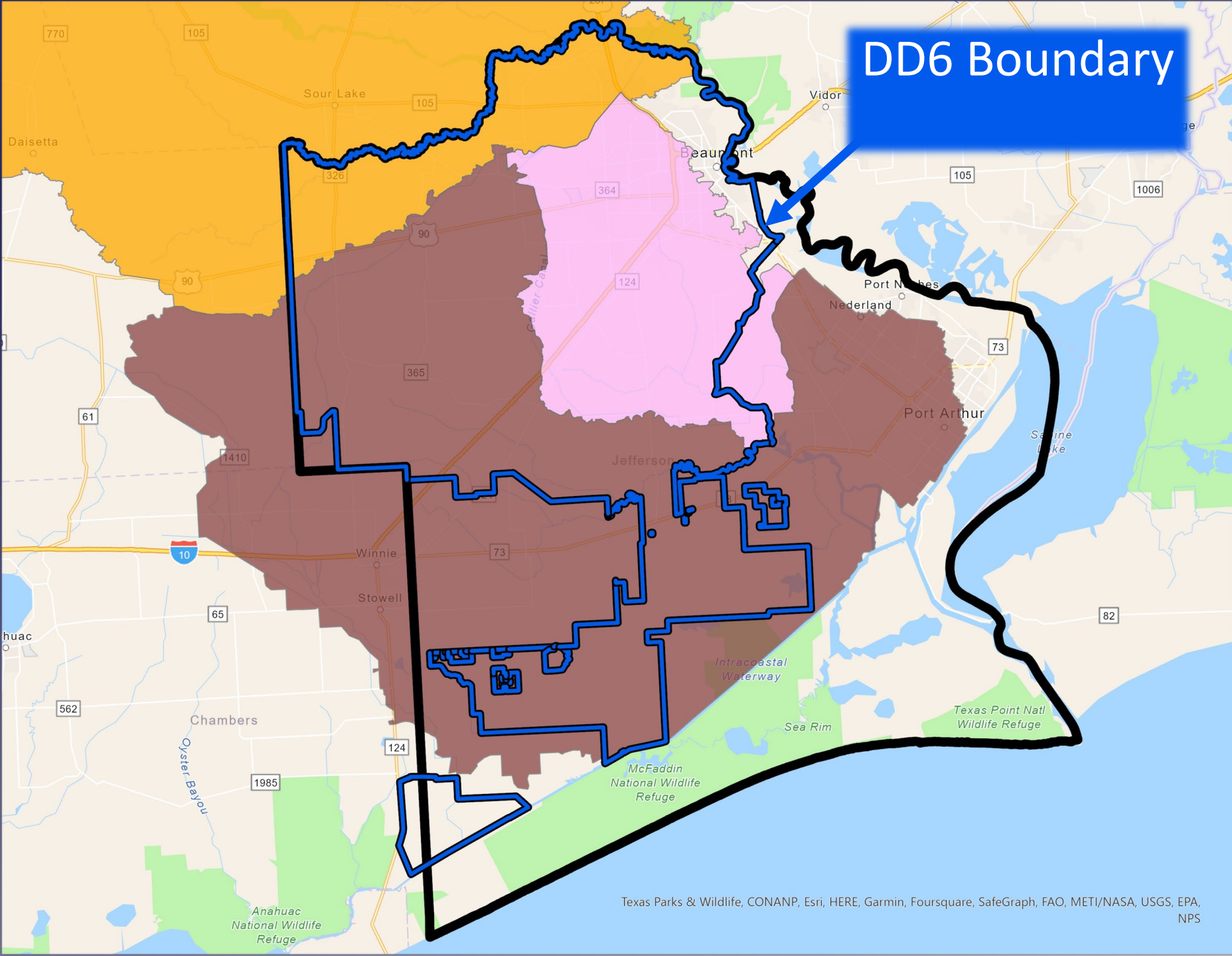
- Overview of DD6
- Grant Flow Chart
- Recently Completed Projects
- Projects Under Construction
- Projects for Consideration



# OVERVIEW OF DD6

- Special District for the State of Texas formed under the Texas Water Codes
- Created (by election) on January 21, 1920
- Covers an area of 500 sq miles in the northern portion of Jefferson County
- 1,070 miles of earthen/concrete channels





DD6 Boundary

Pine Island  
Bayou  
Watershed

Hillebrandt Bayou  
Watershed

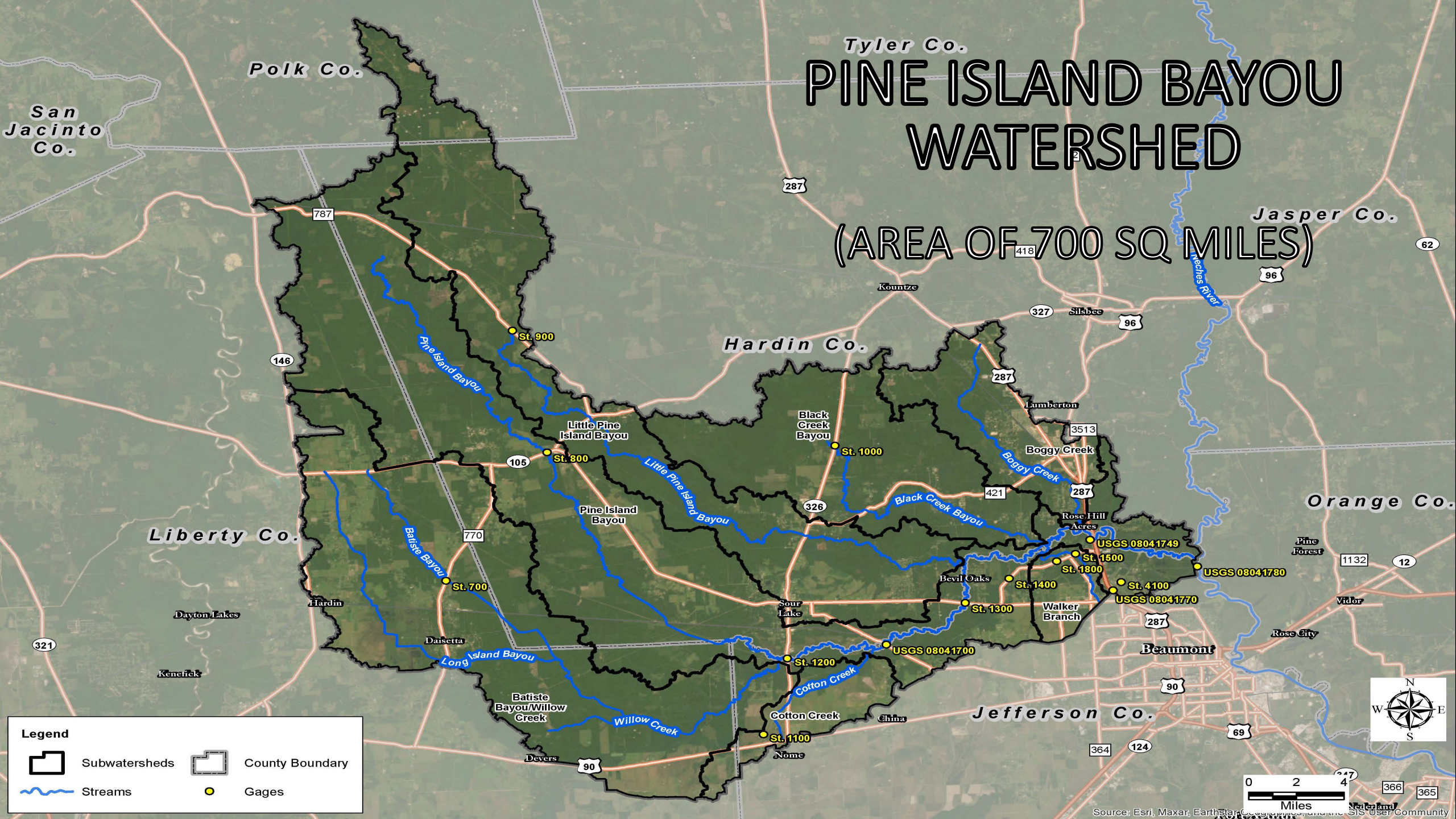
Taylor  
Bayou  
Watershed



Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, Foursquare, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS



# Tyler Co. PINE ISLAND BAYOU WATERSHED (AREA OF 700 SQ MILES)



**Legend**

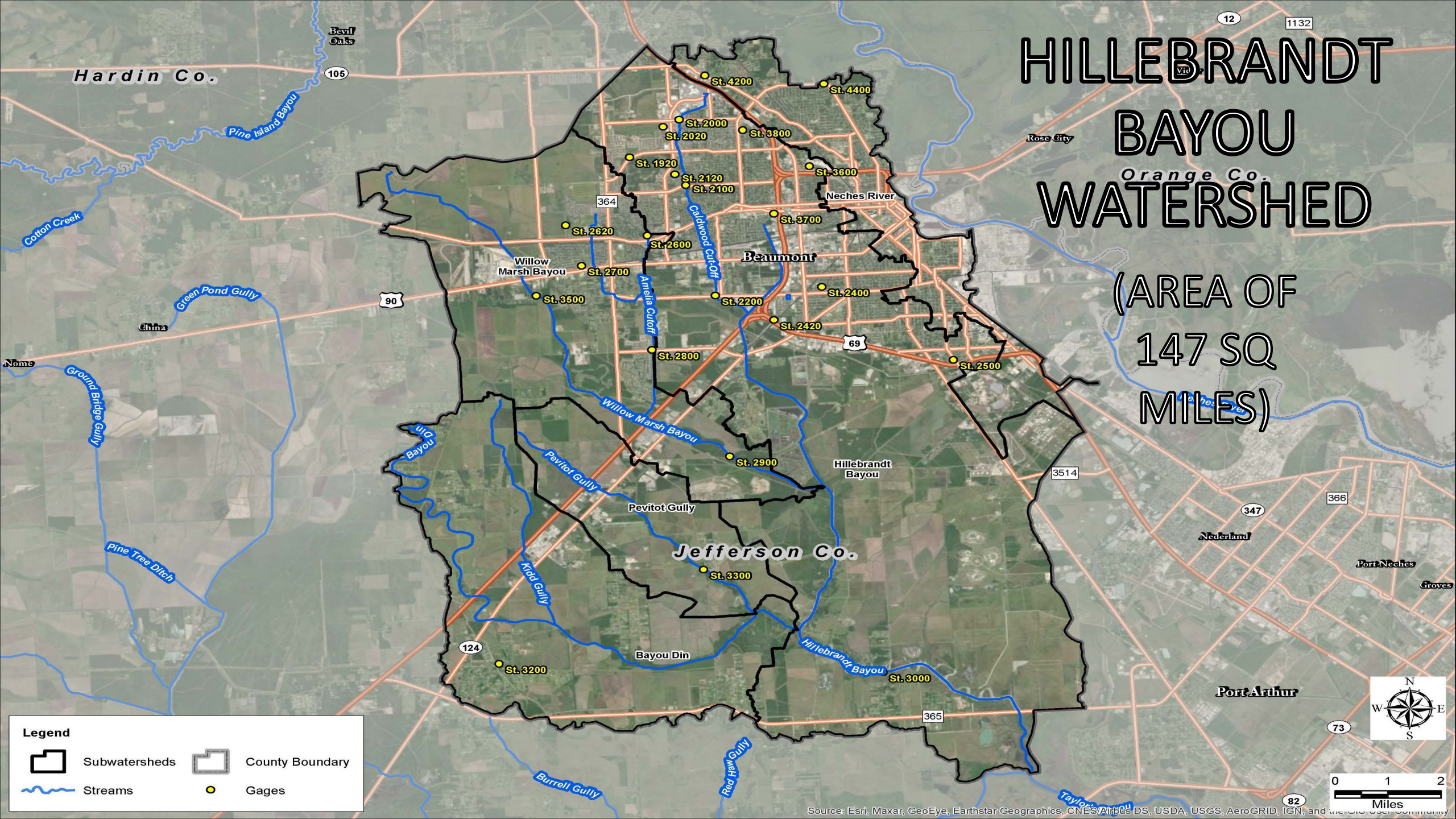
- Subwatersheds
- County Boundary
- Streams
- Gages



# HILLEBRANDT BAYOU WATERSHED

Orange Co.

(AREA OF  
147 SQ  
MILES)



**Legend**

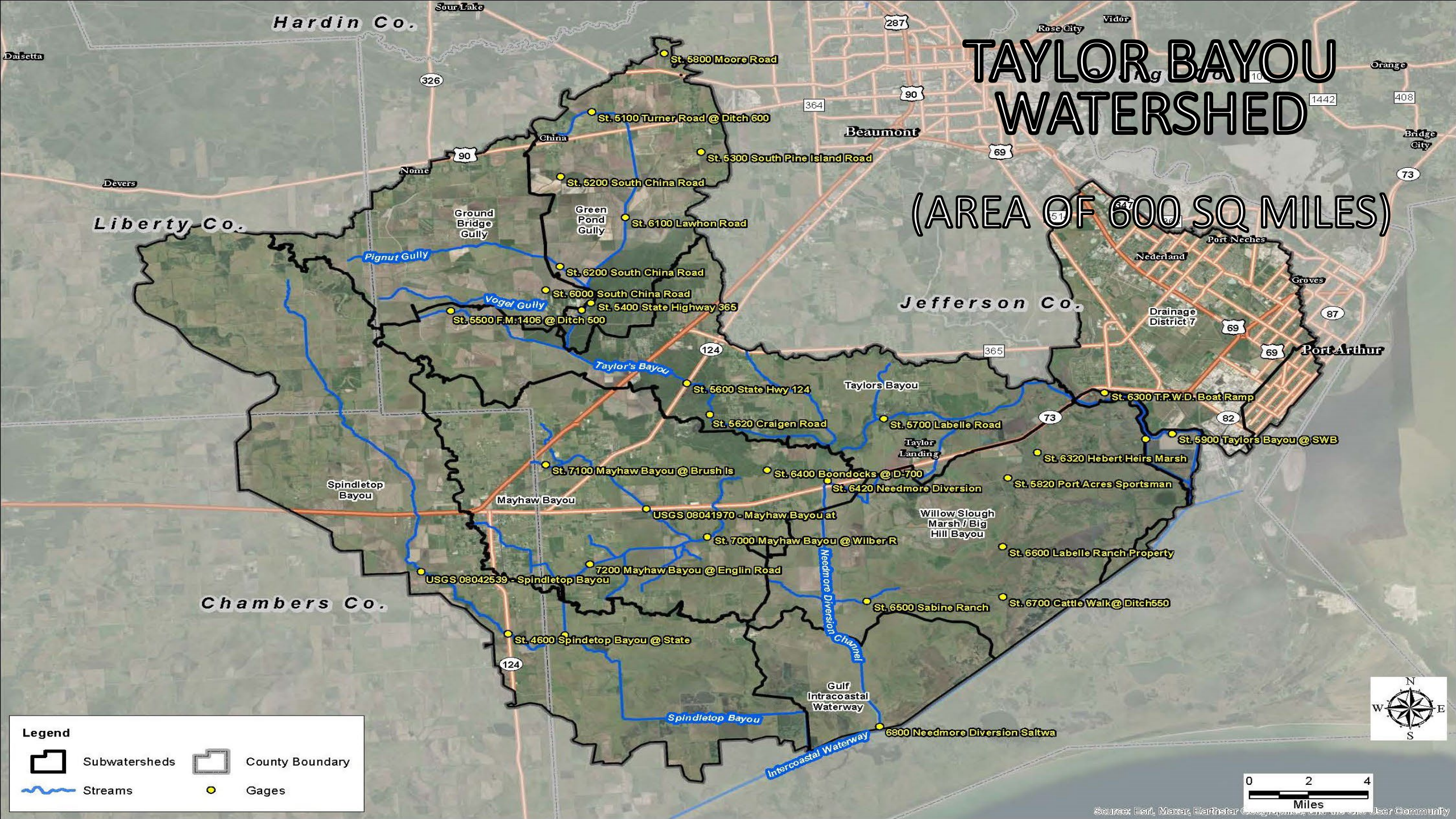
- Subwatersheds
- County Boundary
- Streams
- Gages

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



# TAYLOR BAYOU WATERSHED

(AREA OF 600 SQ MILES)



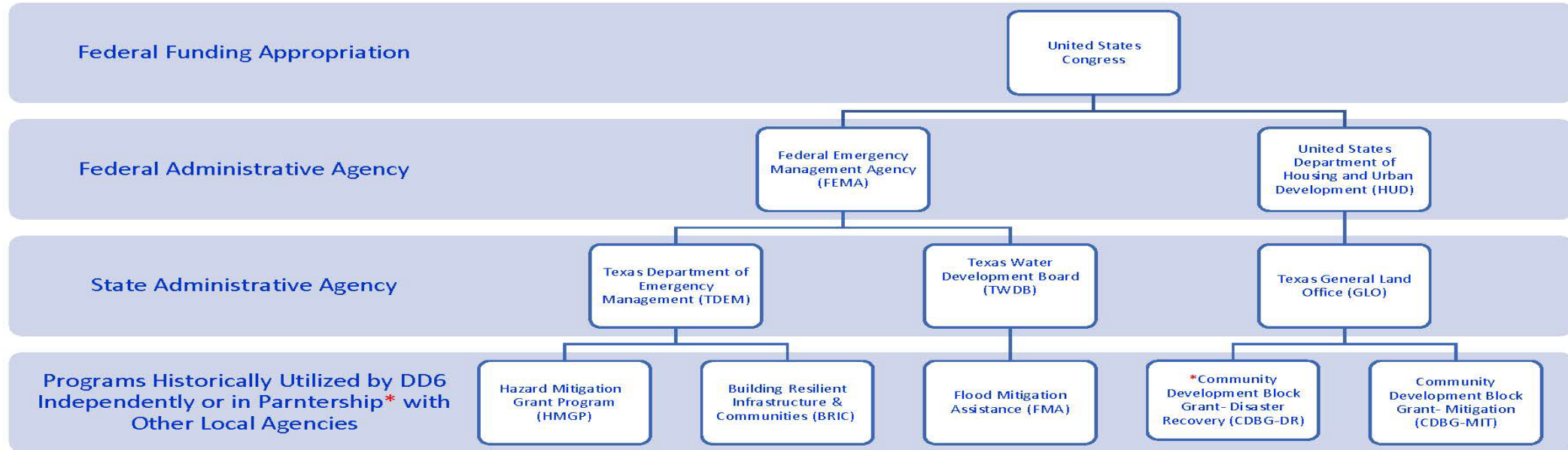
**Legend**

- Subwatersheds
- County Boundary
- Streams
- Gages





# GRANT ALLOCATION PROCESS



## State Funding Appropriations- Texas Flood Infrastructure Funding





# TDEM/TWDB GRANTS

- Competitive Awards are based on a BENEFIT COST ANALYSIS (BCA)
- Additional points are given to projects with a high SOCIAL VULNERABILITY INDEX (SVI), as determined by the Center for Disease Control (CDC)
- The District has applied for and been awarded 26 project applications funded through the TWDB's FLOOD MITIGATION ASSISTANCE (FMA) program totaling \$118 million

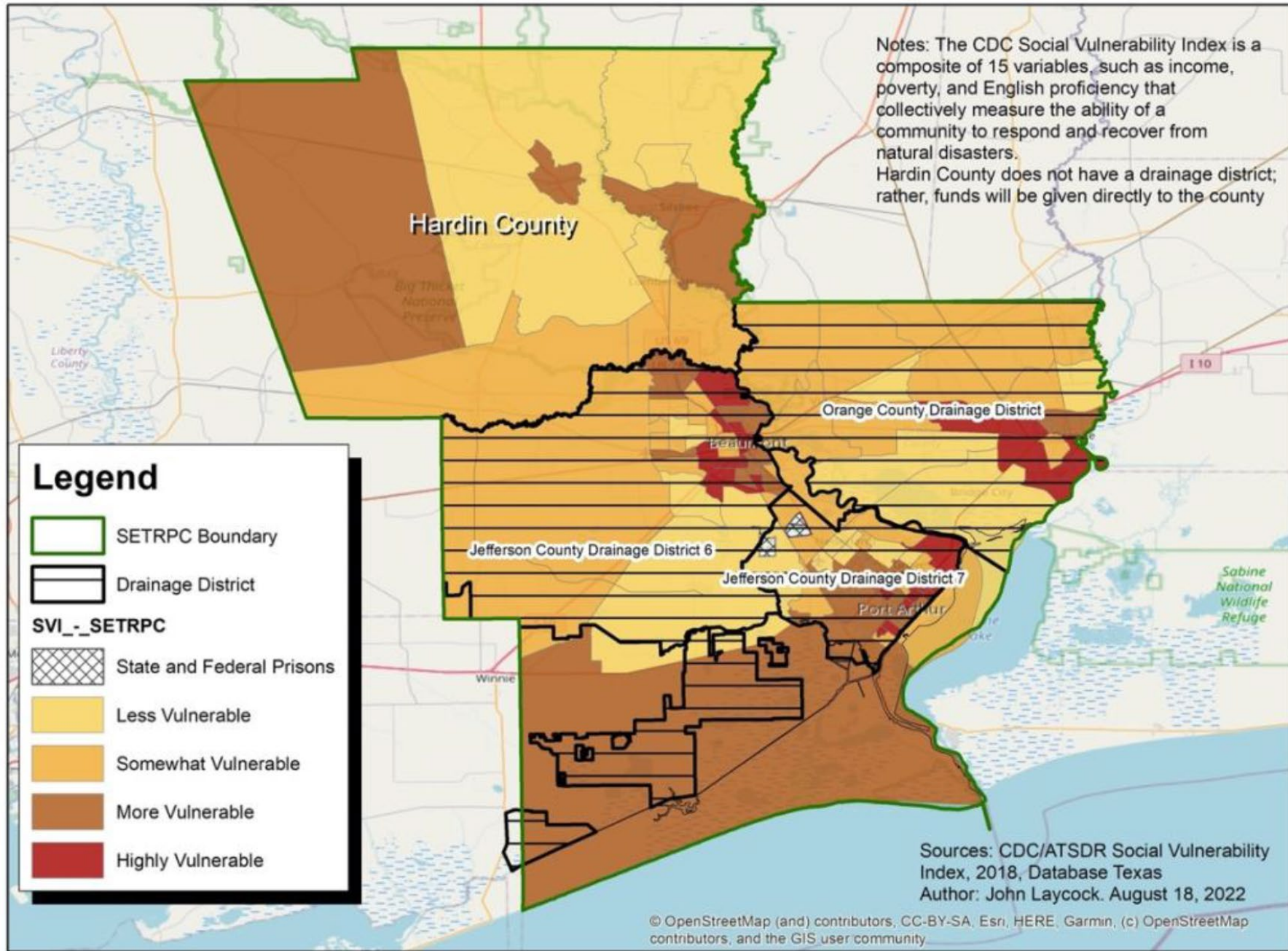


# GLO GRANTS

- Requires projects to be located in areas that are designated in US Census tracks as **LOW TO MODERATE INCOME (LMI)**
- Additional points are given to projects with a high **SOCIAL VULNERABILITY INDEX (SVI)**, as determined by the Center for Disease Control (CDC)
- In June 2023 the District received \$46.5 Million for the Corley Diversion project through the CDBG-MIT program



# Social Vulnerability and SETRPC Drainage Districts



# RECENTLY COMPLETED PROJECTS



# Byrd Gully (FMA)





# North China Detention





# East Clubb Rd Detention





# Elinor St. Relief (FMA)





PROJECTS  
UNDER CONSTRUCTION



# McLean Relief (FMA)





# South China Relief (FMA)





# North Green Acres Detention





# Amelia Detention (FMA)





PROJECTS  
FOR  
CONSIDERATION

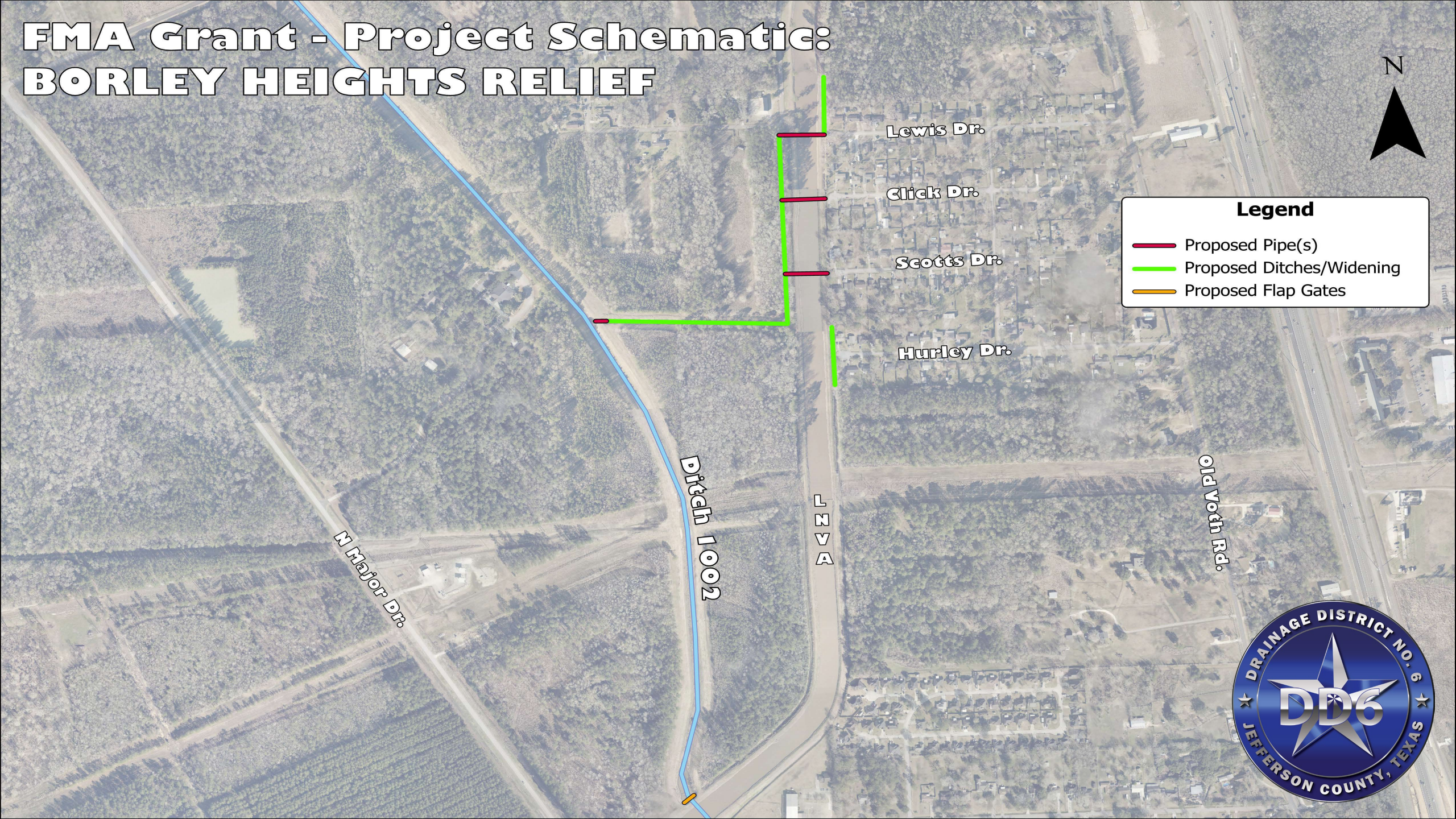


# FMA Grant - Project Schematic: BORLEY HEIGHTS RELIEF



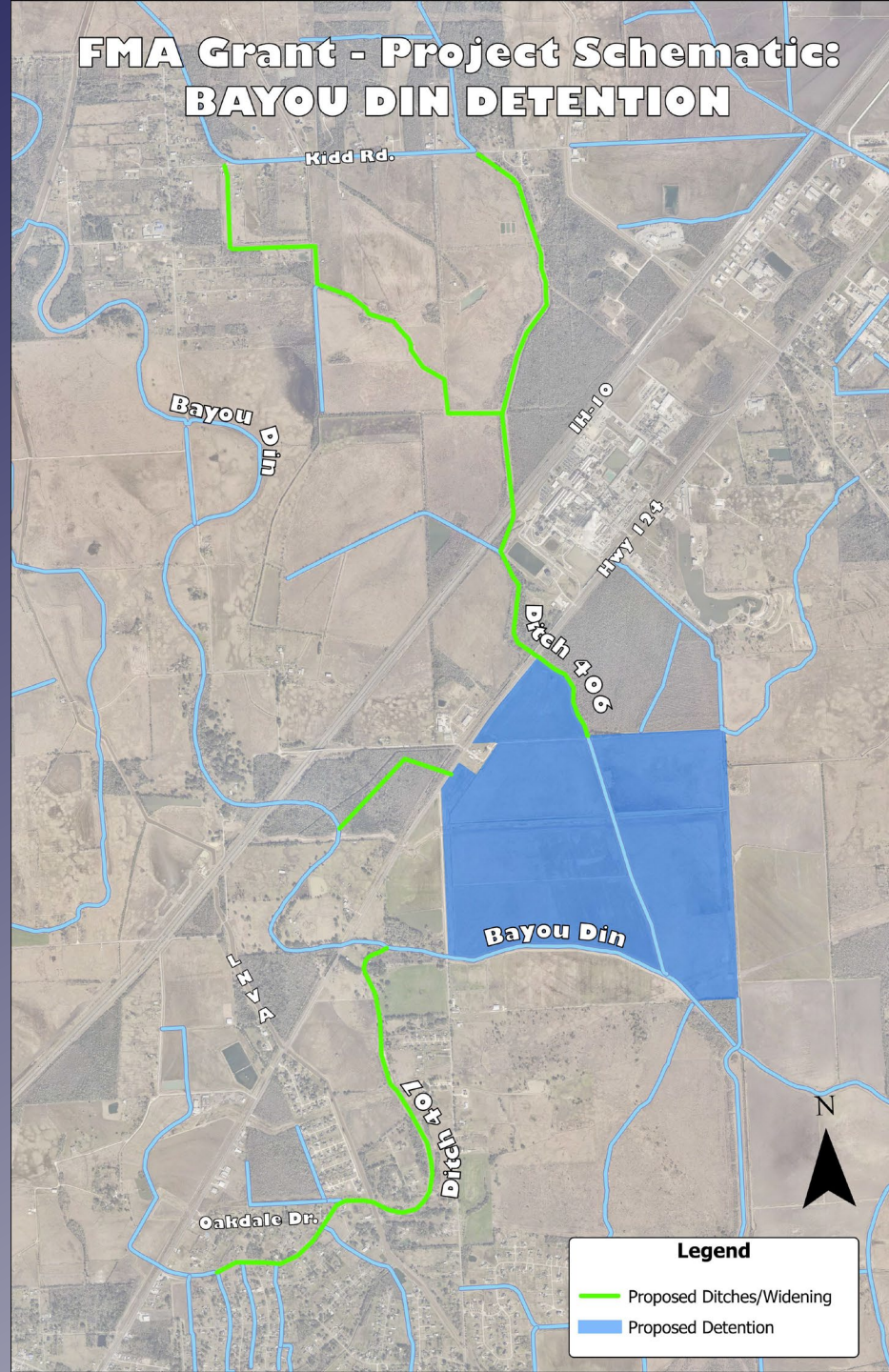
**Legend**

- Proposed Pipe(s)
- Proposed Ditches/Widening
- Proposed Flap Gates





# FMA Grant - Project Schematic: BAYOU DIN DETENTION



**Legend**

- Proposed Ditches/Widening
- Proposed Detention





# FMA Grant - Project Schematic: DELAWARE DIVERSION



**Legend**

- Proposed Pipe(s)
- Proposed Detention



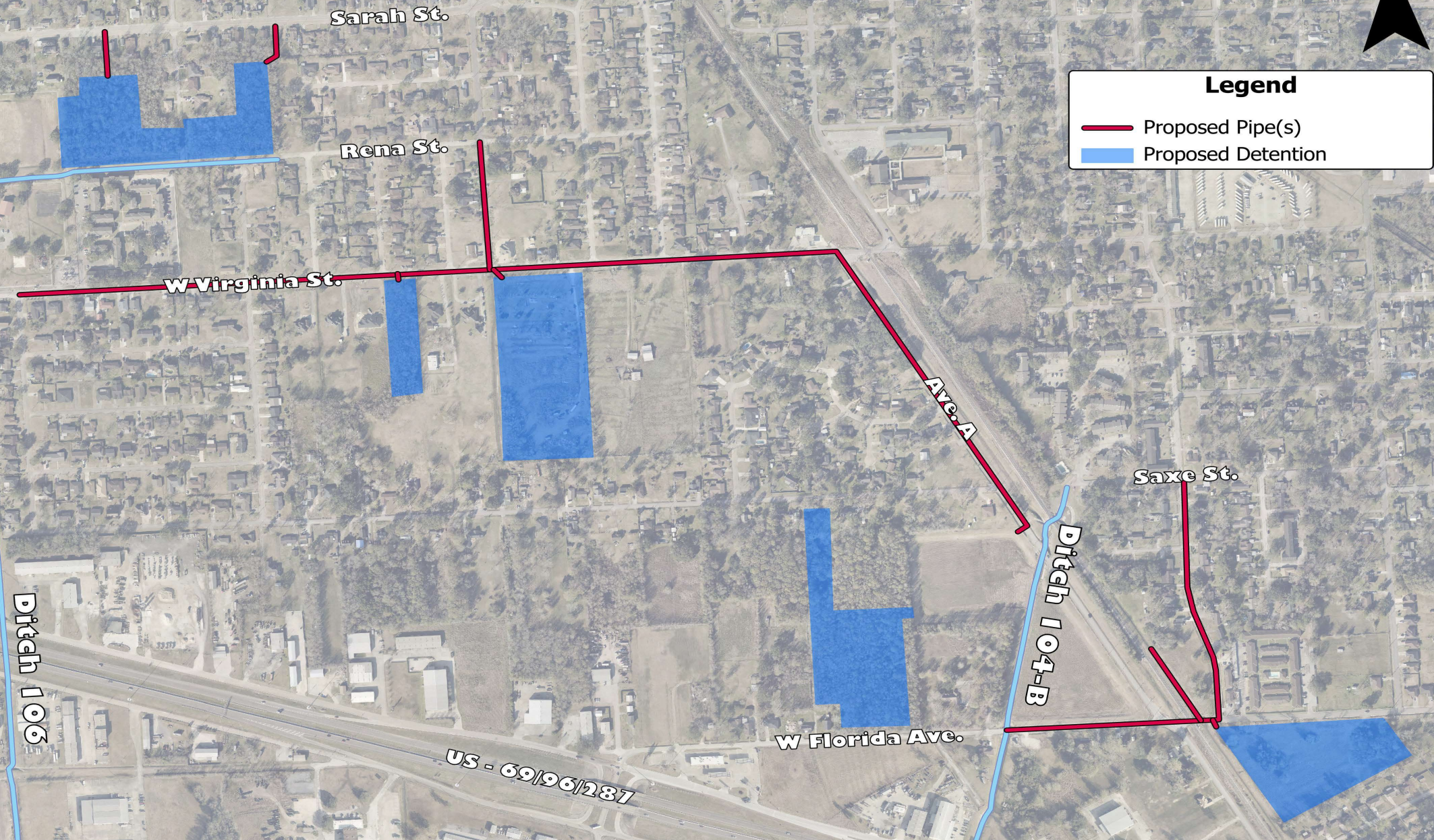


# FMA Grant - Project Schematic: VIRGINIA DETENTION



**Legend**

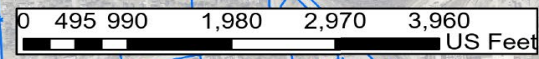
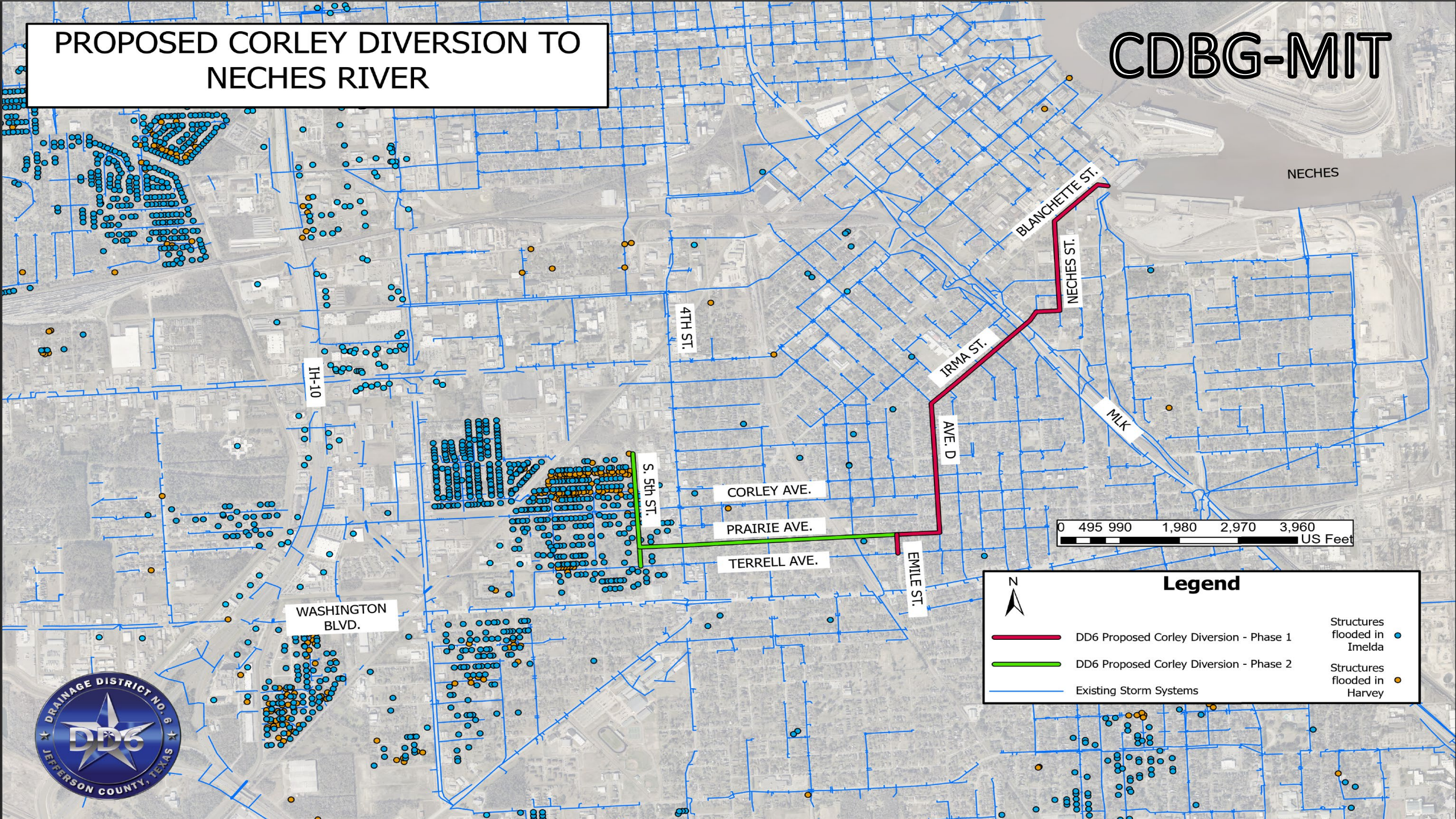
- Proposed Pipe(s)
- Proposed Detention





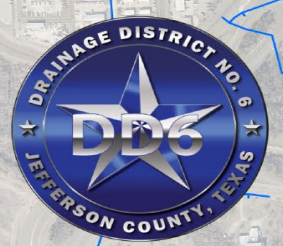
# PROPOSED CORLEY DIVERSION TO NECHES RIVER

# CDBG-MIT



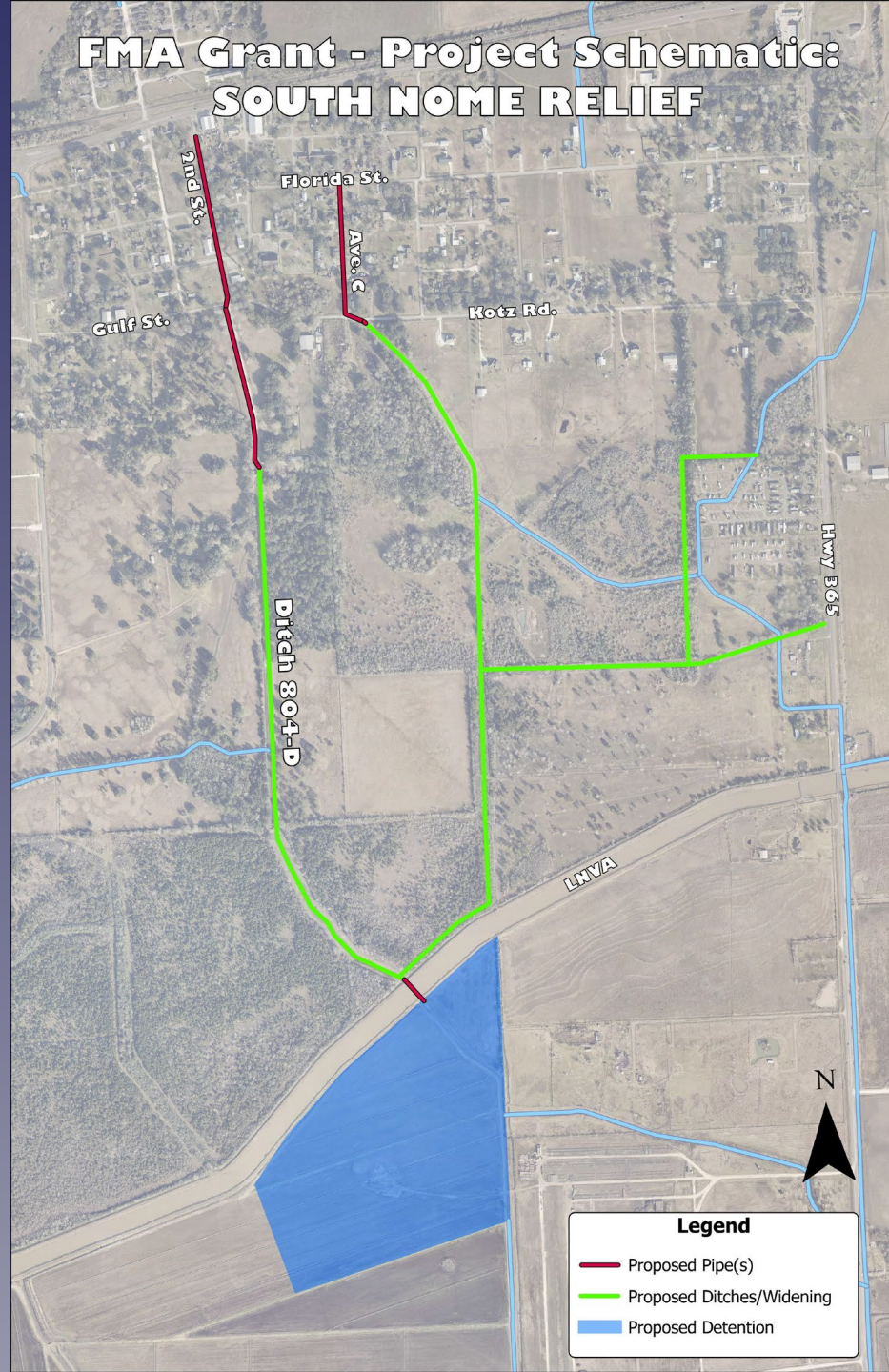
**Legend**

	DD6 Proposed Corley Diversion - Phase 1	Structures flooded in Imelda
	DD6 Proposed Corley Diversion - Phase 2	Structures flooded in Harvey
	Existing Storm Systems	





# FMA Grant - Project Schematic: SOUTH NOME RELIEF





# FMA Grant - Project Schematic: FANNETT DETENTION (DITCH 505)

W Clubb Rd.

W Clubb Rd.

Ditch 505

Ditch 505-B

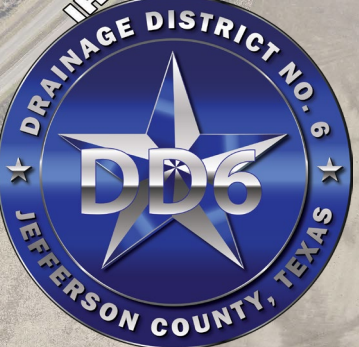
IH-10

N



**Legend**

- Proposed Pipe(s)
- Proposed Detention
- Proposed Berm



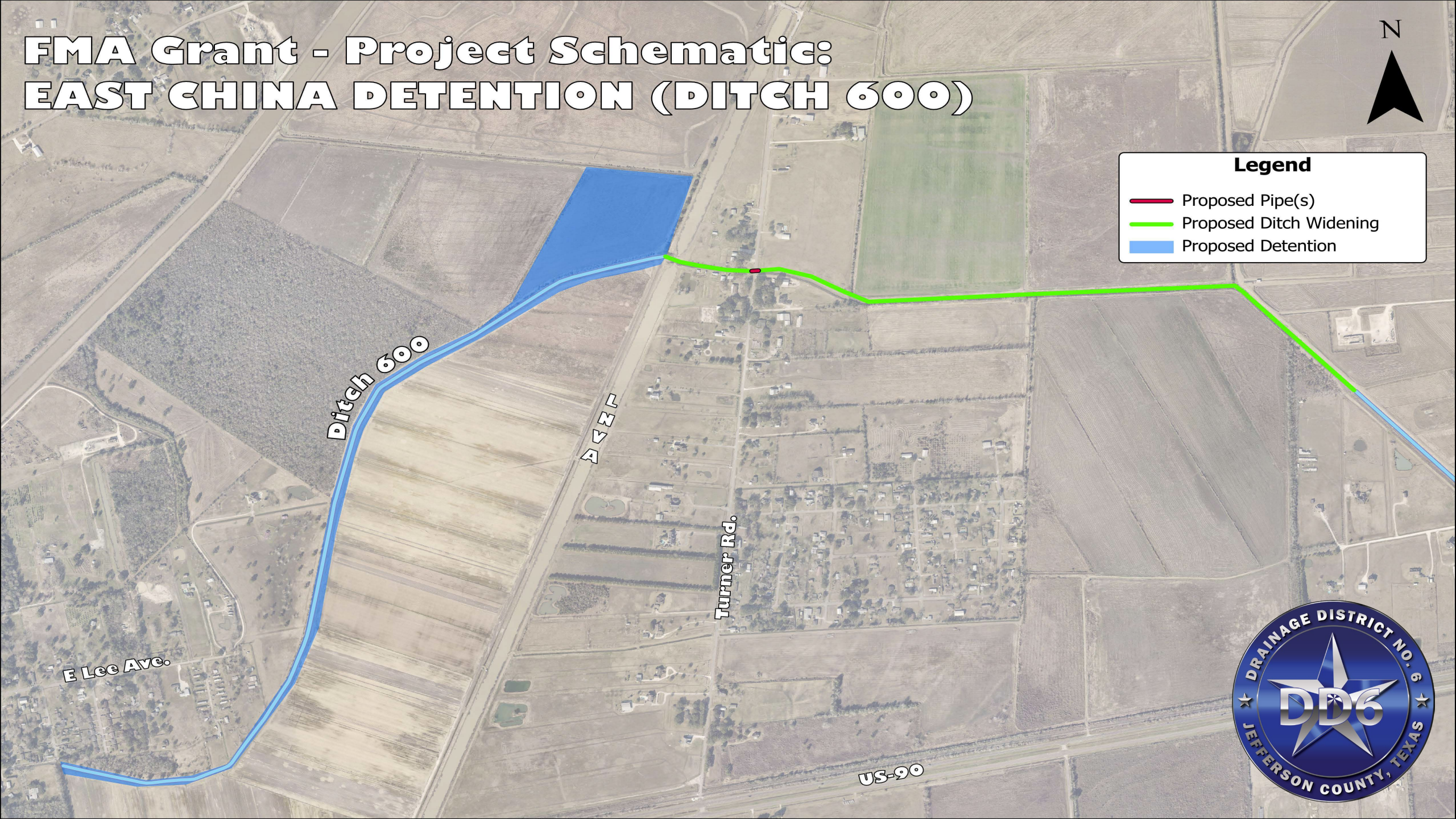


# FMA Grant - Project Schematic: EAST CHINA DETENTION (DITCH 600)



**Legend**

- Proposed Pipe(s)
- Proposed Ditch Widening
- Proposed Detention





# THANK YOU

- <https://dd6.org/>

409 842 1818

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Jefferson County Drainage District No. 6

**Government**

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**Departments**

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- Purchasing
- Projects
- Maps
- Engineering
- Operations & Maintenance

**GIS**

- GIS Details