

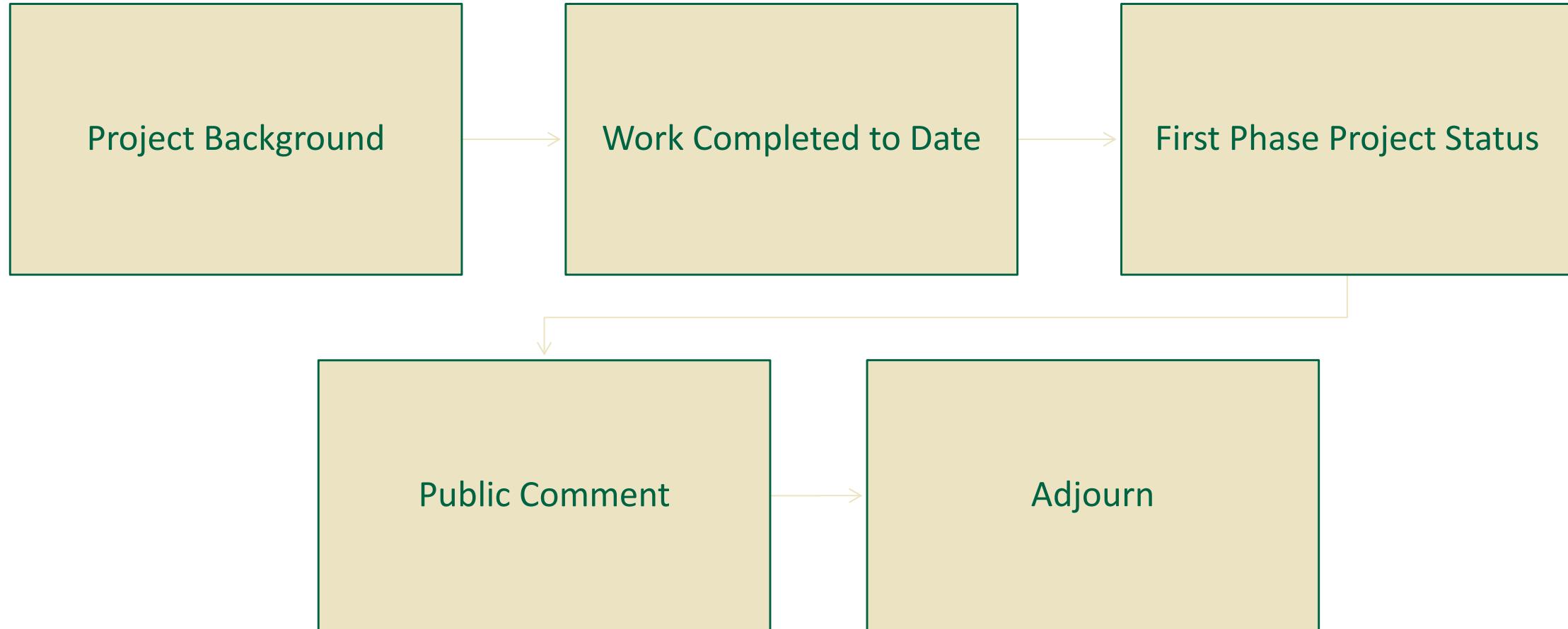
Regional Drainage Improvement Program

City of Bellaire

Flood Hazard Mitigation Task Force #6

Meeting Date: November 18, 2025

Agenda



FHMTF Timeline



Work Completed to Date



Refined Flood Damage Prevention and Development Codes



Established drainage criteria for future improvement projects



Created a funding roadmap to support immediate and long-term Program projects and goals



Advance high priority “First Phase” improvements, establish long-term implementation strategy



Identified and coordinated with key project partners



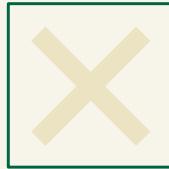
Pursued external funding opportunities

First Phase Project Status



Cypress Ditch Improvements

Includes widening, modifying cross section of the HCFCD channel



IH-610 Crossing Improvements

Analyzed multiple configurations to evaluate costs and benefits
TxDOT advancing potential improvements

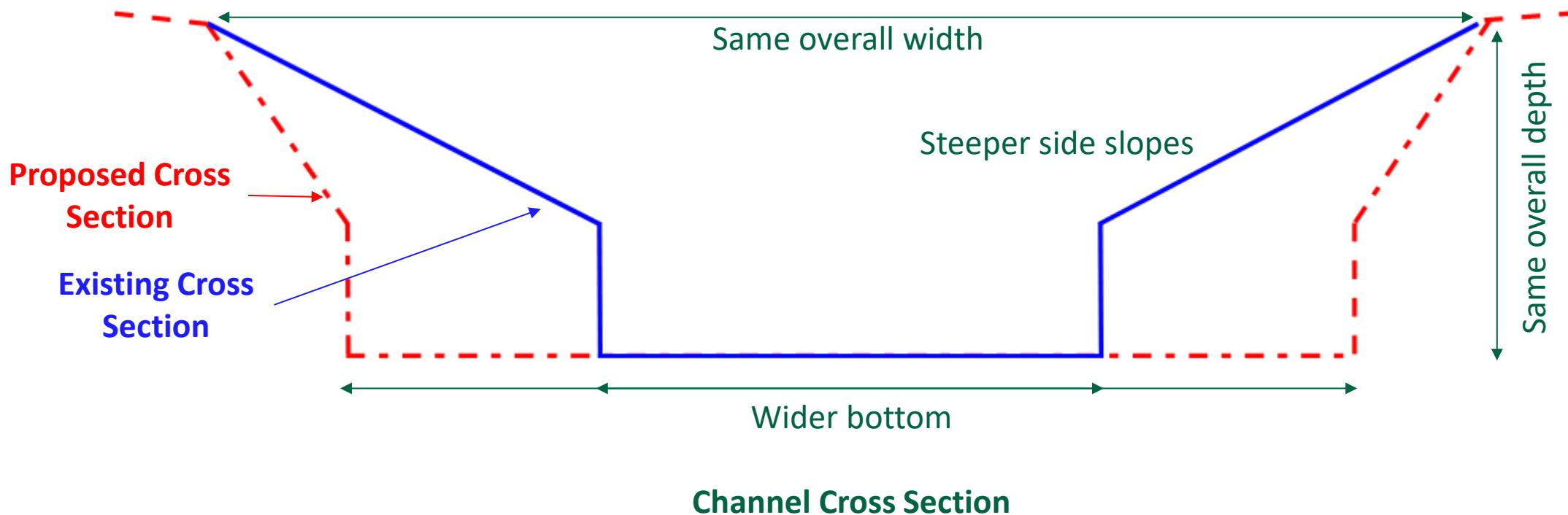


Detention Basins

Volume required to support Cypress Ditch improvements and facilitate future improvements

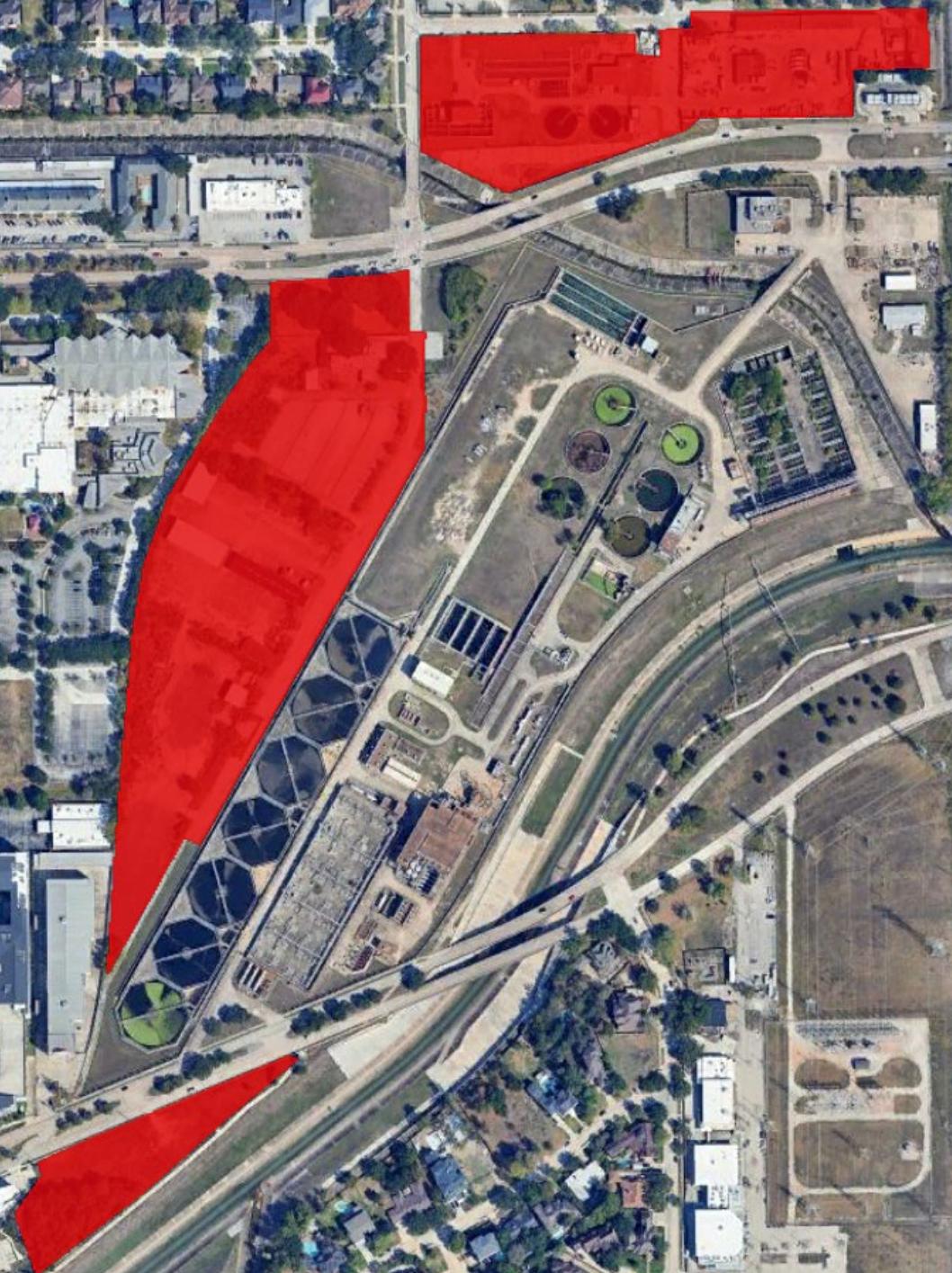
Cypress Ditch Improvements

- Foundation of future infrastructure improvements
- Maximize channel capacity width and depth within existing right of way

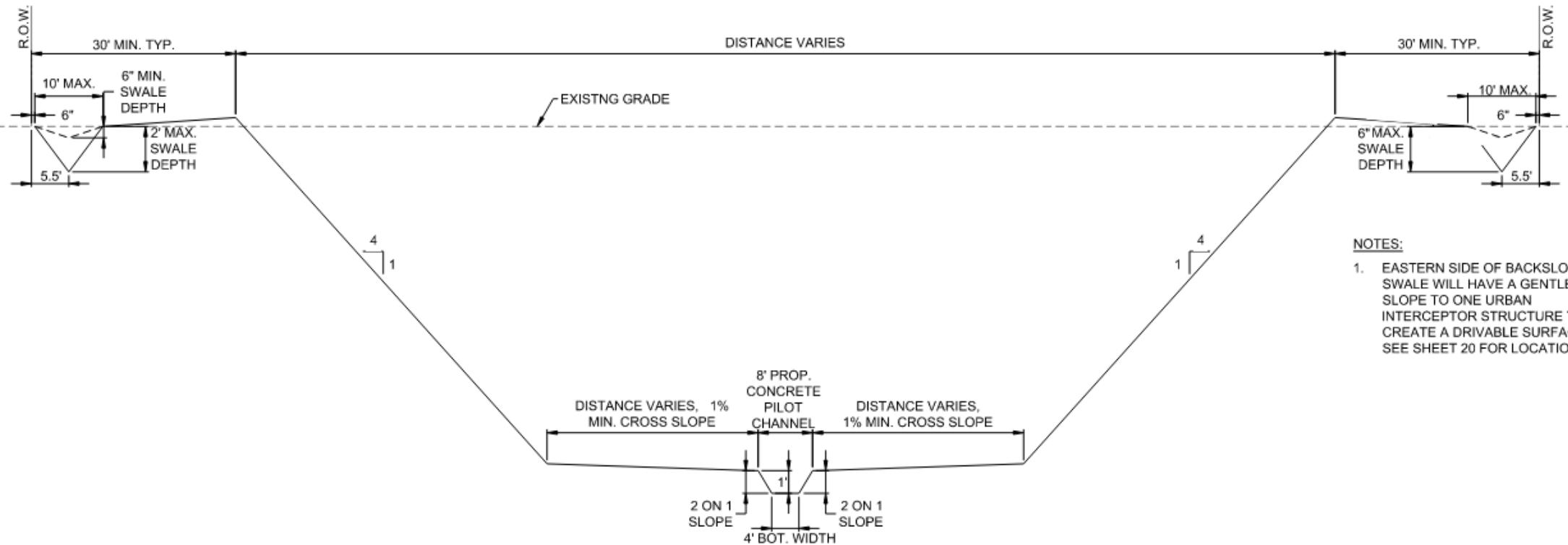


Detention Basins

- Detention volume required to mitigate the improvements to Cypress Ditch
- Maximize available volume across the selected sites



Typical Detention Basin Cross Section



FUNDING SOURCE	APPLICATION DATE	PROJECT(S) SUBMITTED FOR FUNDING	Status
CDBG-MIT	June 7, 2023	Cypress Ditch Central Portion submitted in 2023	Not awarded
DOT Reconnecting Communities and Neighborhoods (RCN)	September 28, 2023	Cypress Slough Trail	Not awarded
GLO Resilient Communities Program	Open to June 2028	Home Elevation Program	City opted not to accept funding
TWDB Flood Mitigation Assistance (FMA)	January 8, 2024	North Bellaire Flood Risk Mitigation and Resiliency Study	Moved to next level of review
HGAC Transportation Improvement Program (TIP)	February 13, 2024	Chimney Rock Corridor S Rice Corridor Newcastle Corridor	Submitted
TWDB Flood Infrastructure Fund (FIF)	April 15, 2024	Chimney Rock Area Drainage Improvements Study Newcastle/Kilmarnock Drainage Improvements Study Local Drainage Asset Management Study	Chimney Rock and Newcastle/Kilmarnock ranked 89* in the Prioritization List
Community Project Funding (CPF) FY2025	May 3, 2024	Cypress Ditch	Program cancelled
HGAC Water/Wastewater Utility and Flood Mitigation Priority Project Lists	August 14, 2024	Cypress Ditch Regional Detention Wastewater Transfer Project	Cypress Ditch identified as a Tier 1 (Top Priority) Regional Priority Project, others as Tier 2
Hazard Mitigation Grant Program (HMGP) DR-4781	February 28, 2025	Cypress Ditch	Selected as an alternate project – Project will be considered if additional funds become available
Hazard Mitigation Grant Program (HMGP) DR-4798	March 14, 2025	Cypress Ditch	Submitted
Community Project Funding (CPF) FY2026	April 11, 2025	Cypress Ditch	Program cancelled

Next Steps



Update H&H Modeling with advanced design

Incorporate updated channel cross sections and detention basin sizes, refine City system models
Integrate project models with HCFCD MAAPnext models



Coordinate with HCFCD, COH

Refine South Basin design to accommodate COH needs
Review H&H modeling, channel design with HCFCD
Submit design documents for review and approval



Develop next phase of the Program

Look toward long-term implementation
Coordinate with external partners to align regional goals



Continue to strategize Program funding

Identify opportunities to support future analysis or engineering design projects

About — City of Bellaire Drainage +
 wedge-cello-6wr4.squarespace.com/about

City of Bellaire Drainage Improvement Program

Project Information Contact

Project Description:

The City of Bellaire, TX intends to undertake a capital projects program to advance significant flood risk reduction activities across its jurisdiction. These activities shall be informed by the recently completed Master Drainage Concept Plan (MDCP), and pursuant to strategic direction from City Council.

City of Bellaire Drainage Improvement Program

Category
[Link One](#)
[Link Two](#)

Category
[Link One](#)
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City of Bellaire Drainage Improvement Program

Project Information Contact

Contact Us

Stay connected and leave your comments on the Bellaire Drainage Improvement Plan

Email:
 drainage@bellairetx.gov

Name *
 First Name
 Last Name

Email *

Message *

Address (Optional)
 Address 1

Bellaire Drainage Improvement Program

This Project is to develop and implement improvements that will improve drainage and mitigate flooding throughout Bellaire. This project will enhance the drainage system network and mitigate flooding to Bellaire homes and businesses. This will benefit the City by reducing potential property damage and the health and life of Bellaire citizens due to flooding.

Questions?

Check the program website at
<https://bellairedrainageimprovementprogram.org/>

Or email us at drainage@bellairetx.gov





Public Comment
Limit to three (3) minutes per speaker