



**PHASE I FLOOD CONTROL PROJECT 40031  
2018 BOND PROJECT No. 21, 22 & 23 & MERCEDES LATERAL  
PUBLIC MEETING - OCTOBER 10, 2023**



**HIDALGO COUNTY DRAINAGE DISTRICT NO. 1**





# Phase I Flood Control Project



## BOARD OF DIRECTORS



**Richard F. Cortez**  
County Judge



**David L. Fuentes**  
Commissioner Pct. 1



**Eduardo "Eddie" Cantu**  
Commissioner Pct. 2



**Everardo "Ever" Villarreal**  
Commissioner Pct. 3



**Ellie Torres**  
Commissioner Pct. 4



**Chairman of the Board**



**Board Member**



**Board Member**



COMMISSIONER  
Everardo "Ever" Villarreal

**Board Member**



**Board Member**



# Phase I Flood Control Project



## PUBLIC MEETING PROCESS

**The purpose of this public meeting is to:**

- 1.) Facilitate and maintain effective communication with the public**
- 2.) Provide project information on the Phase I Flood Control Project**
- 3.) Follow an important step in the environmental process with the Texas Water Development Board**

**Your input and feedback are an important part of this process, and we encourage you to comment.**



East side of Mile 4 West Rd  
between Mile 10 N & Mile 11 N

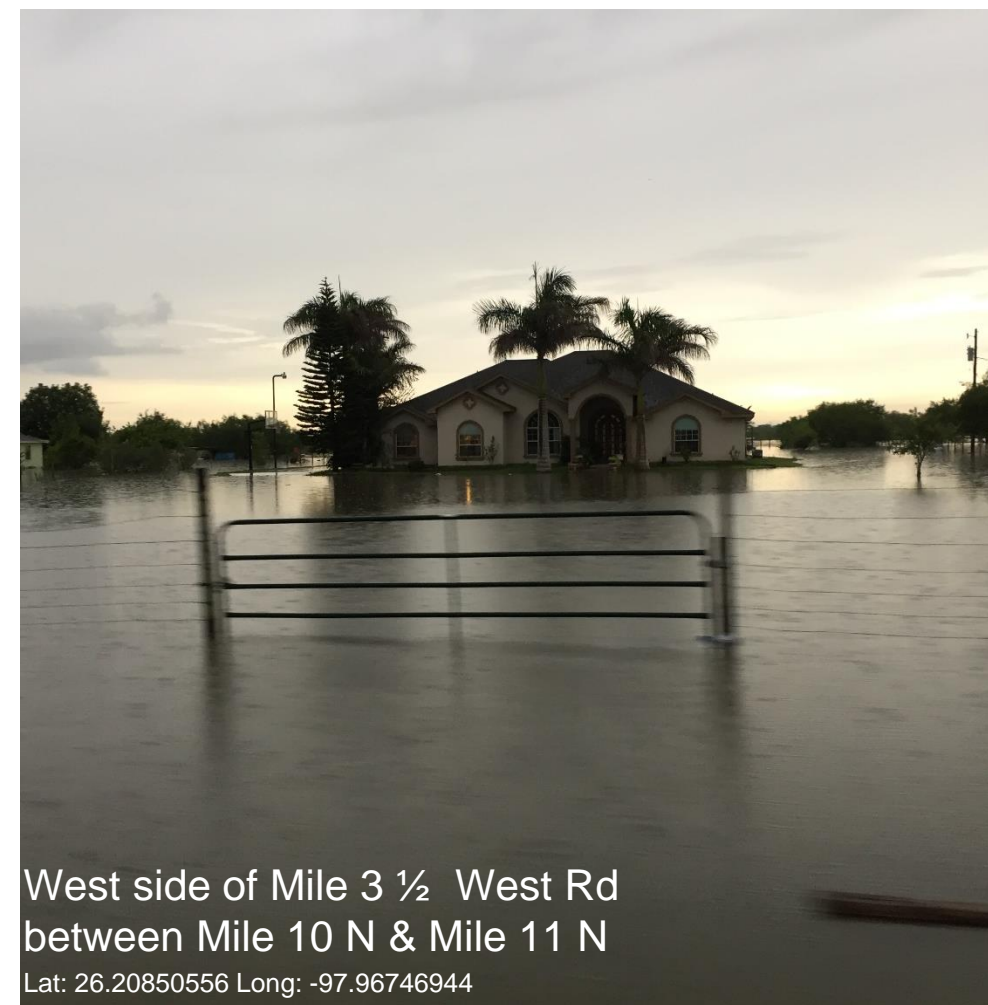
Lat: 26.20499167 Long: -97.97538056



# Phase I Flood Control Project



## PROJECT PURPOSE AND NEED



### What are we trying to do? Project Purpose

**Provide drainage relief to a natural low area impacted by flooding in previous rain events.**

**The scope of work includes the expansion of an existing drainage system.**

**The design is based on a 50-year flood, using Atlas 14, the most current rainfall date.**

### What are the issues? Project Need

**Within the last few of years, Hidalgo County has encountered more frequent and intense storm events, which have resulted in widespread floods.**

**The drainage system was originally designed to drain agricultural areas based on a 10-year flood and does not have sufficient capacity.**

West side of Mile 3 ½ West Rd  
between Mile 10 N & Mile 11 N

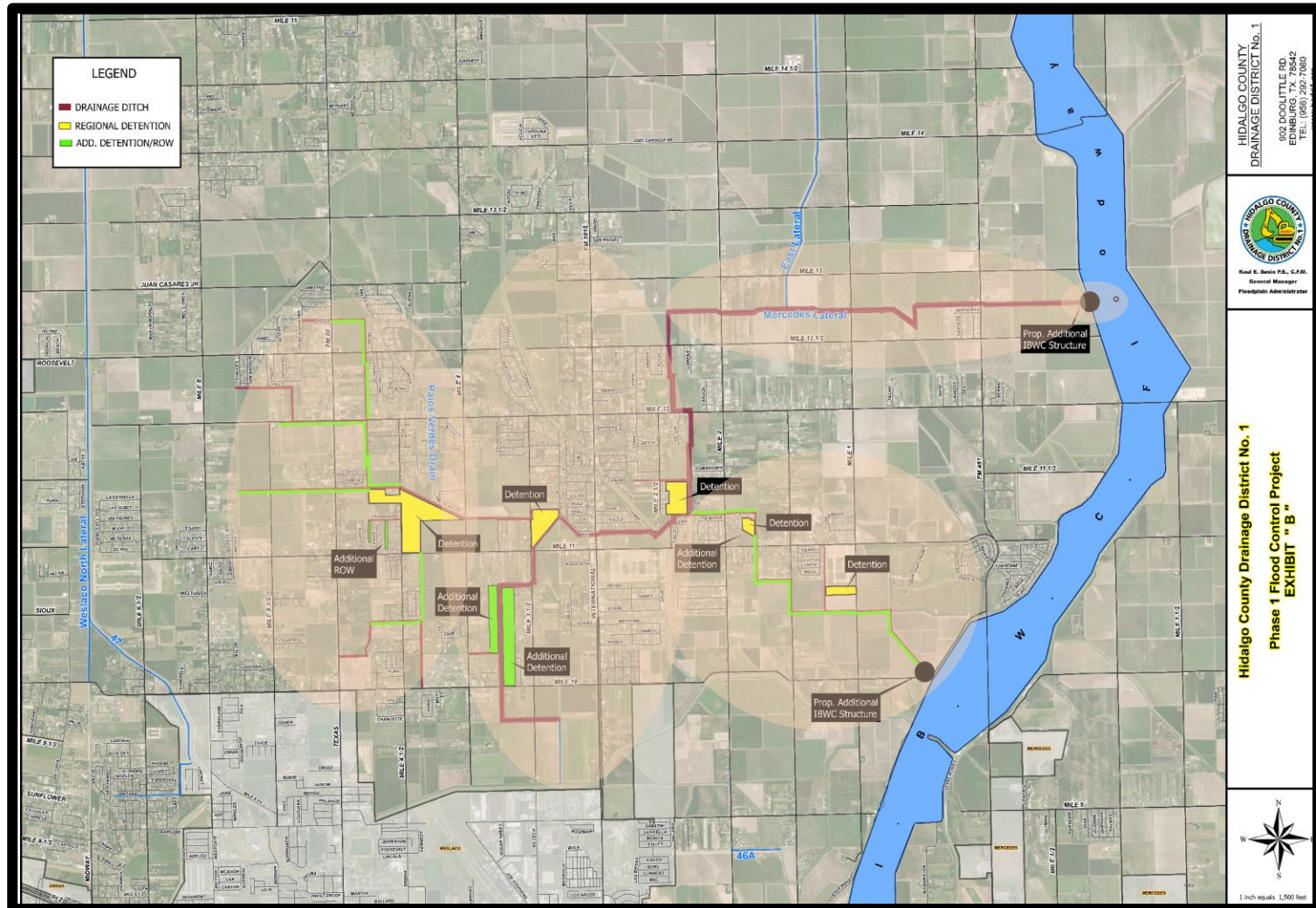
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# Phase I Flood Control Project



## PROJECT INFORMATION



The project location and limits are between Mile 9 North, Mile 15 North, FM 493, and the IBWC Floodway, containing approximately 18,600 acres just north of the City of Weslaco, Texas.

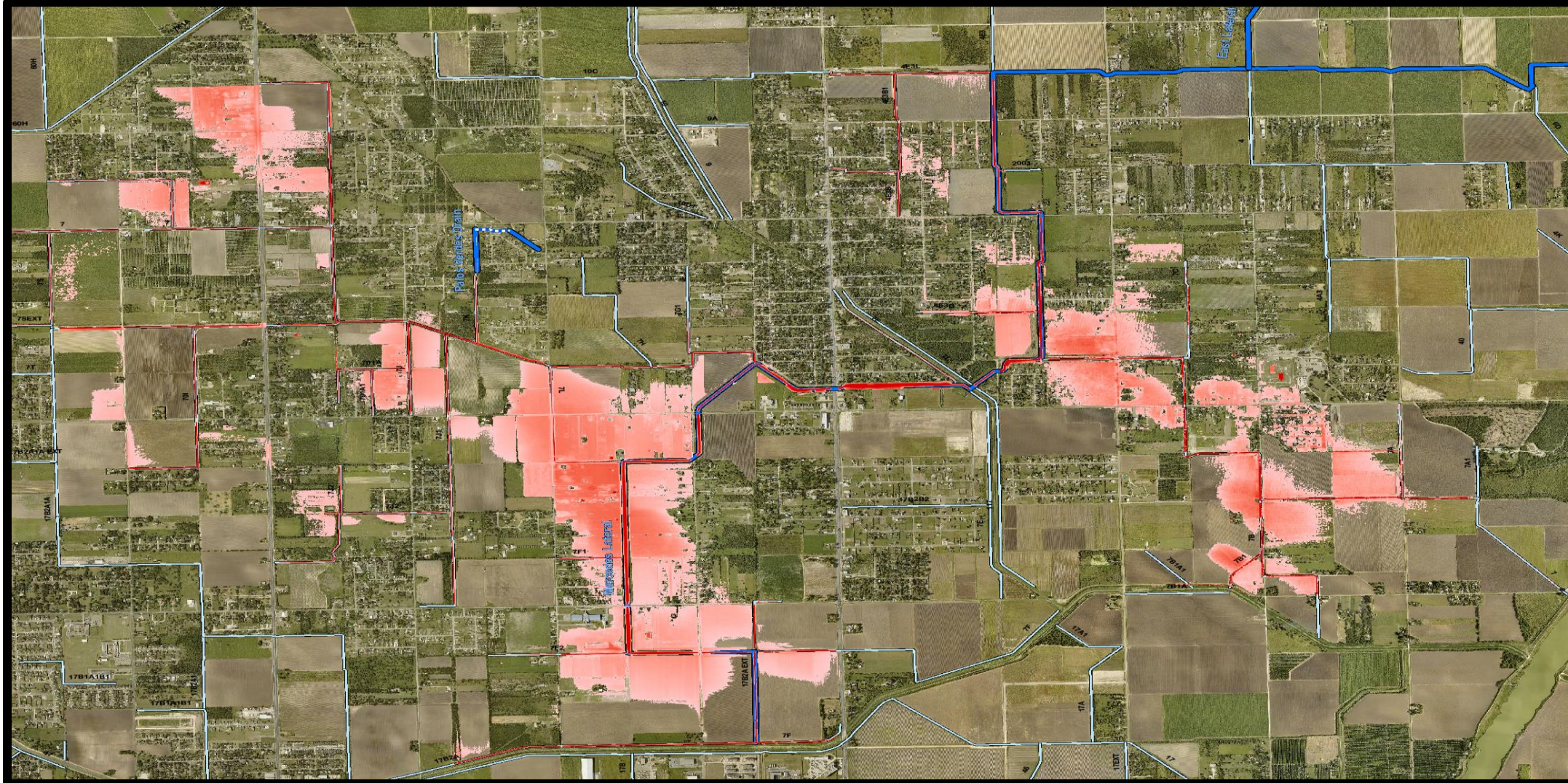
- Funded through Hidalgo County Drainage District No. 1 2018 Drainage Bond Program and TWBD Flood Infrastructure Fund
- Changes to TWDB application required an update to the environmental review process



# Phase I Flood Control Project



## DRAINAGE STUDY EXISTING CONDITION



HIDALGO COUNTY  
DRAINAGE DISTRICT No. 1

Raul B. Smith, P.E., C.P.M.  
General Manager  
Floodplain Administrator

902 DOOLITTLE RD.  
EDINBURG, TX 78542  
TEL: (361) 292-7080  
www.hccdd1.org

**HIDALGO DRAINAGE DISTRICT NO. 1  
FIF PROJECTS 21, 22, 23  
50-YEAR STORM EVENT EXISTING CONDITIONS  
DEPTH REGISTERED 1FT AND ABOVE**

1 inch = 909 feet



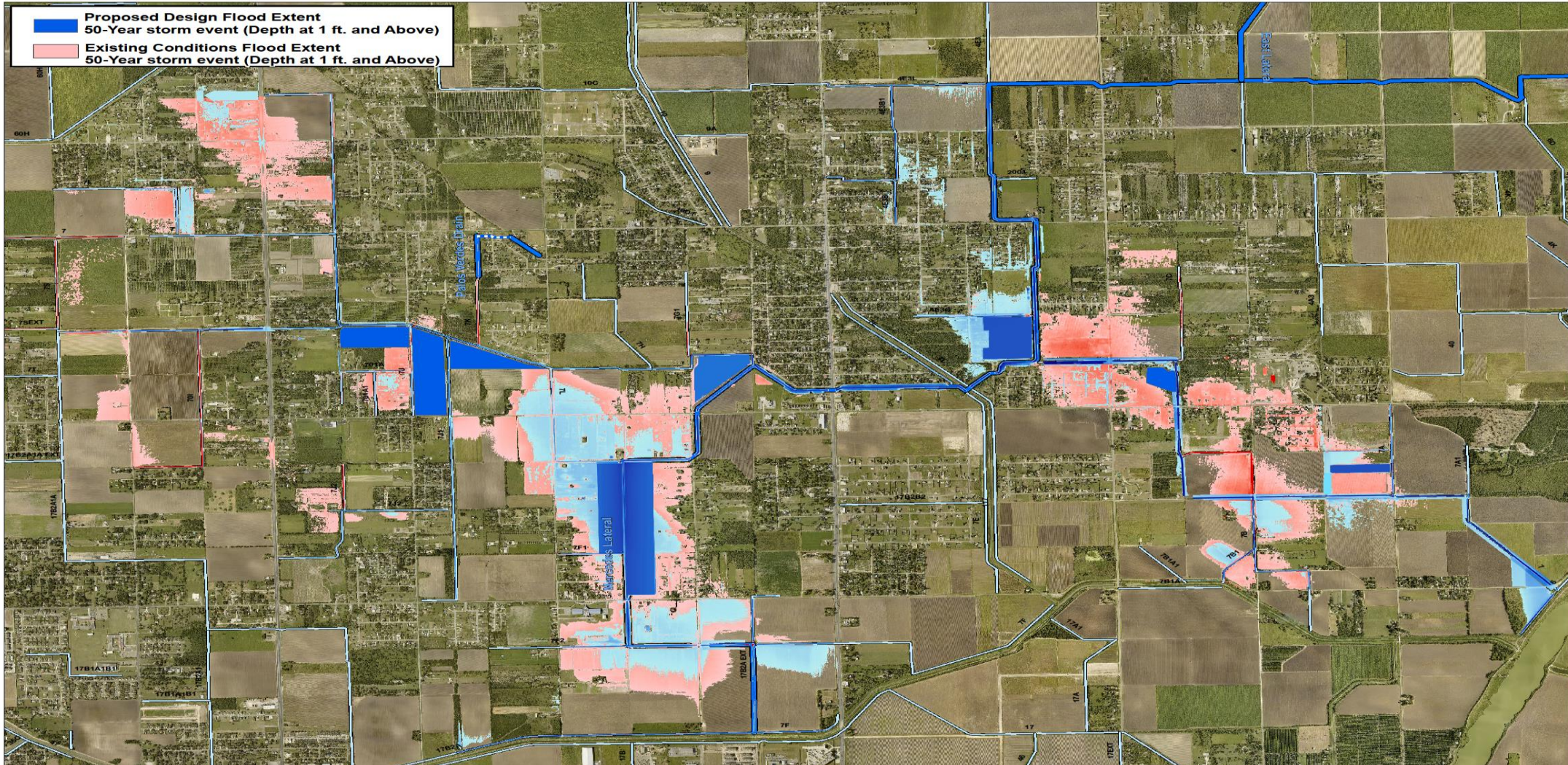
# Phase I Flood Control Project



## PROPOSED IMPROVEMENTS

 Proposed Design Flood Extent  
50-Year storm event (Depth at 1 ft. and Above)

 Existing Conditions Flood Extent  
50-Year storm event (Depth at 1 ft. and Above)




HIDALGO COUNTY  
DRAINAGE DISTRICT No. 1



Raul E. Bush, P.E., C.F.M.  
General Manager  
Floodplain Administrator

907 DOOLITTLE RD.  
EDINBURG, TX 78542  
TEL: (959) 292-7080  
www.hcdd1.org

**HIDALGO DRAINAGE DISTRICT NO. 1  
FIF PROJECTS 21, 22, 23  
50-YEAR STORM EVENT EXIST VS. DESIGN  
DEPTH REGISTERED 1FT AND ABOVE**



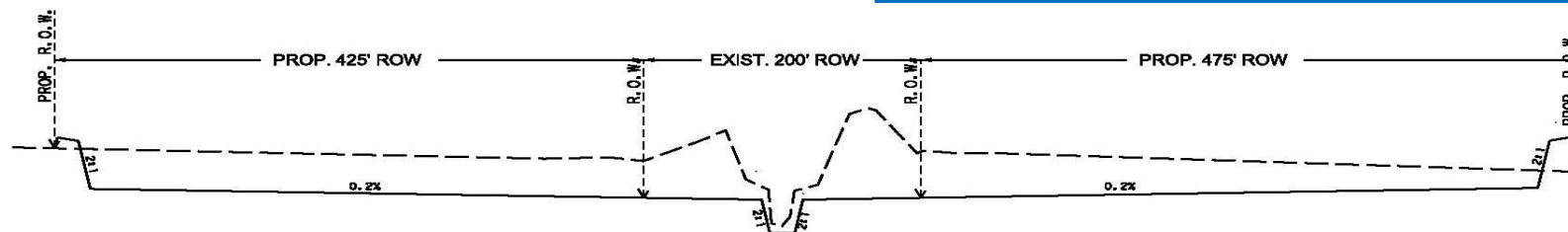
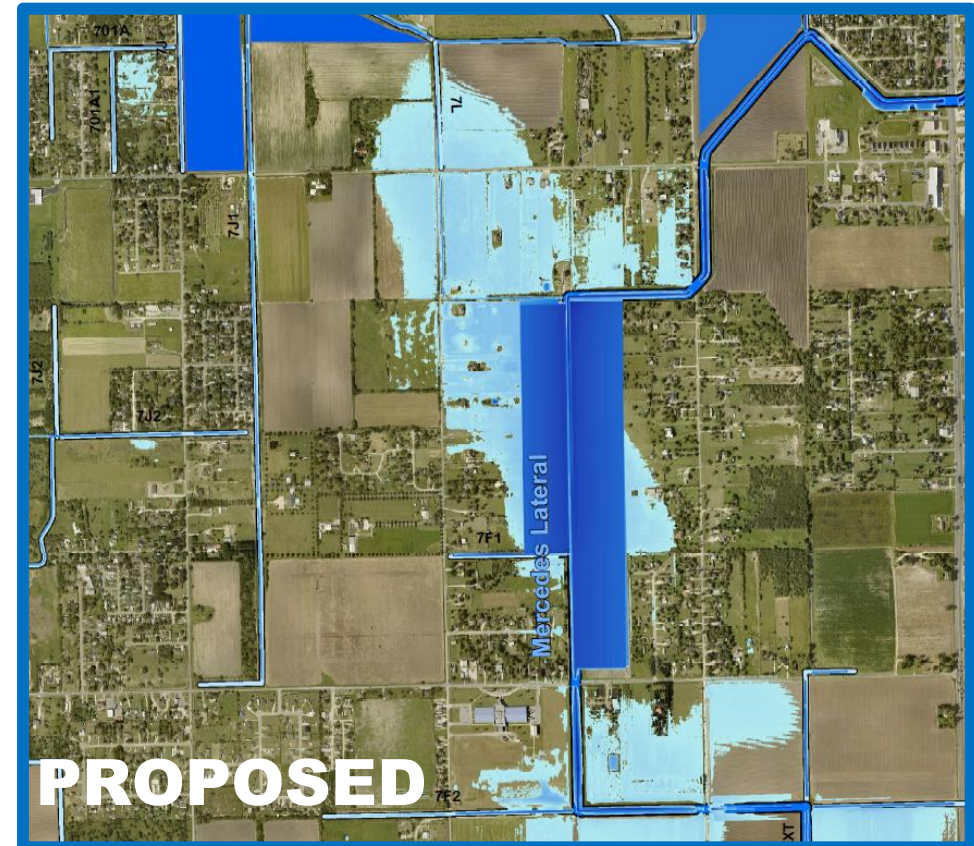
1 inch = 922 feet



# Phase I Flood Control Project



## SEGMENT 22







# Phase I Flood Control Project



## ENVIRONMENTAL REVIEW

### Agency Coordination



**Community Impacts**



**Vegetation & Wildlife**



**Water Resources**



**Cultural Resources**



# Phase I Flood Control Project



## RIGHT OF WAY ACQUISITION PROCESS

- **Follow state laws and policies**
- **Texas Landowners bill of rights available on the HCDD No. 1 website**  
[https://www.hcdd1.org/upload/page/0079/docs/owners\\_billofrights.pdf](https://www.hcdd1.org/upload/page/0079/docs/owners_billofrights.pdf)
- **Information about services and Right of Way can be obtained by calling Hidalgo County Drainage District No. 1 office at 956-292-7080.**



# Phase I Flood Control Project



## PROJECT SCHEDULE



**\*This project schedule and dates are subject to change**



# Phase I Flood Control Project



## HOW TO PROVIDE COMMENTS

**Submit questions or comments to:**



**Hidalgo County Drainage District No. 1  
902 N. Doolittle, Edinburg, Texas 78542**



**(956) 292-7080**



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[Eli.Villegas@hcdd1.org](mailto:Eli.Villegas@hcdd1.org)**



# Phase I Flood Control Project



## QUESTIONS

