



“Hidalgo County Precinct 4 Regional Project Update”

**Stormwater Conference 2023
South Padre Island, TX
May 24, 2023**

Raymondville Drain

Purpose and Need

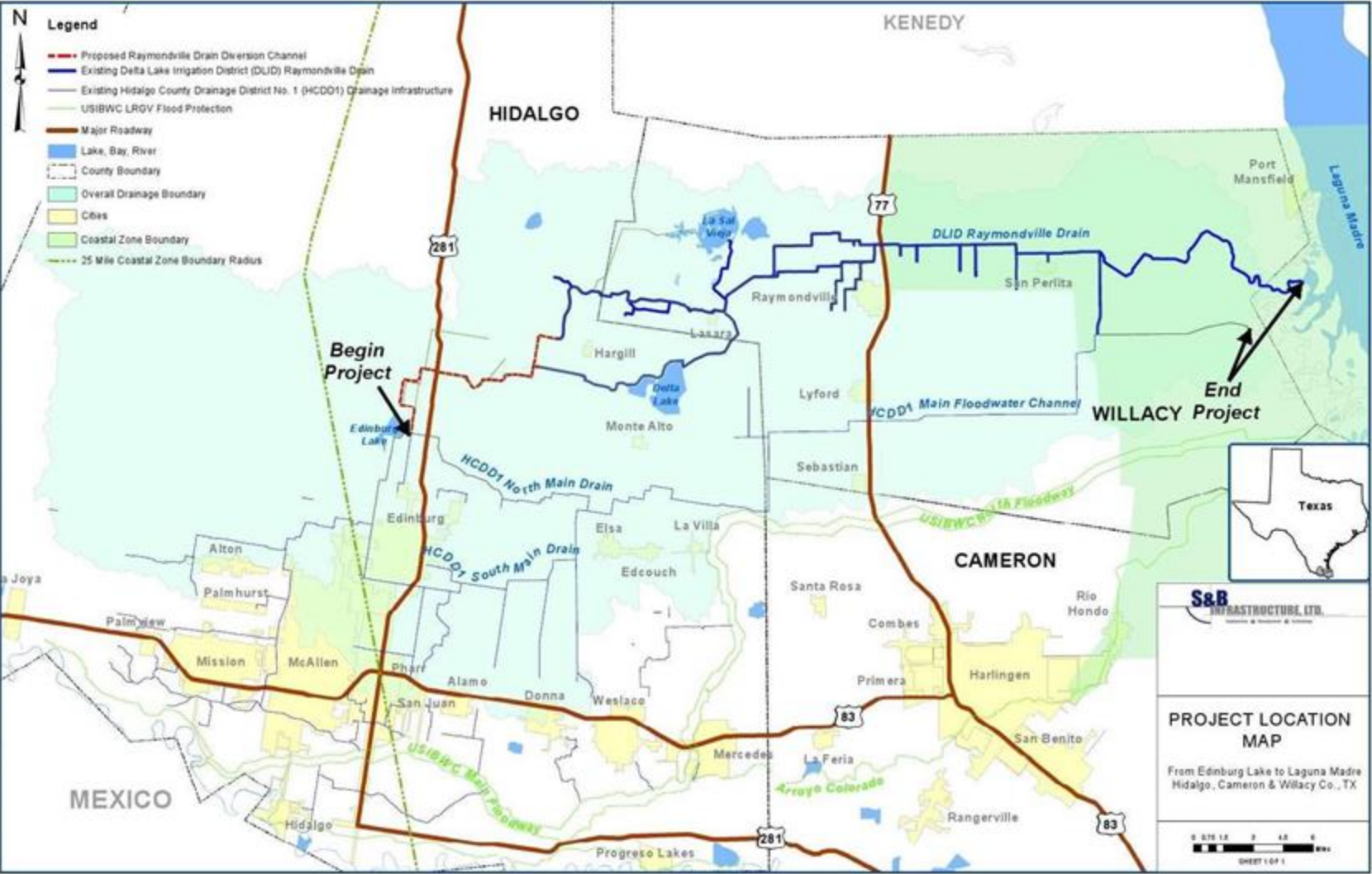
The purpose of the Raymondville Drain Project is to provide a cost-effective solution which reduces the flood damage and protects the lives, personal property, mobility, and key infrastructure of the Lower Rio Grande Valley.

The need for the project stems from the general character of the study area. The Lower Rio Grande Valley consists of relatively flat coastal plains. The current state and distribution of the aging stormwater infrastructure throughout the project area does not support the current stormwater generated from tropical storm events. This in combination with the proximity to the southern border of Texas, and policies of the International Boundary and Water Commission's Main Floodway, the area has limited options to manage stormwater during major events. The Raymondville Drain is needed in order to convey stormwater out of the region.

Project Update

HCDD1 is updating the Draft Integrated Feasibility Report and Environmental Impact Statement which was previously reviewed by the Office of the Assistant Secretary to the Army for Civil Works under Section 203 of WRDA. HCDD1 is working USACE Galveston and LTC O'Sullivan to review and revise the report in accordance with SMART Planning Principles, current federal guidance, and the OASA:CW comments. The revised report shall be submitted to the ASA's office later this year for review and for inclusion on WRDA 2024 following a favorable recommendation. The USACE's office has stated that the proposed project would address 80% of the region's stormwater issues.

Raymondville Drain



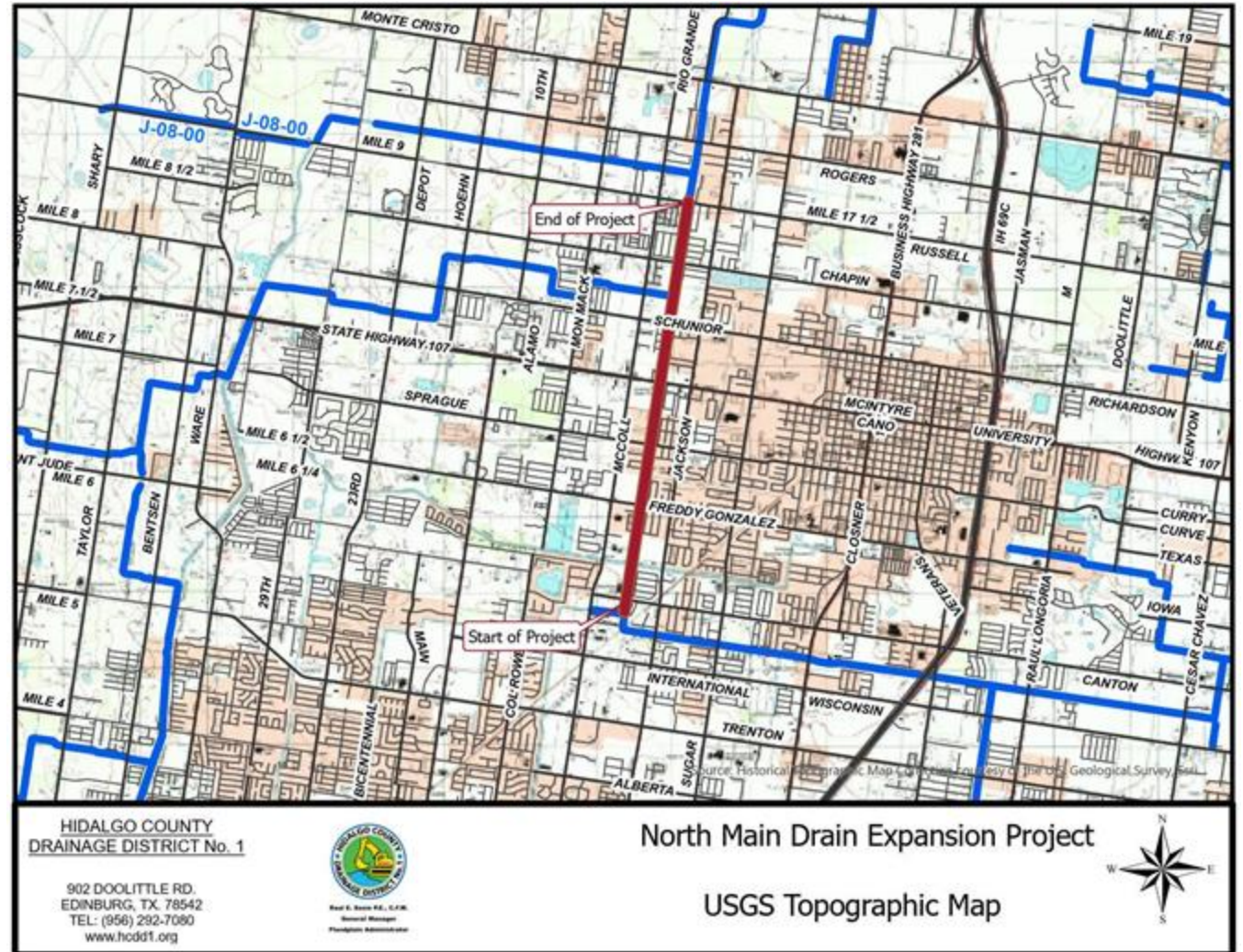
North Main Drain Expansion

Federal Share: \$3,706,267 (75%)

Non-Federal Share: \$1,235,422 (25%)

Total: \$4,941,689

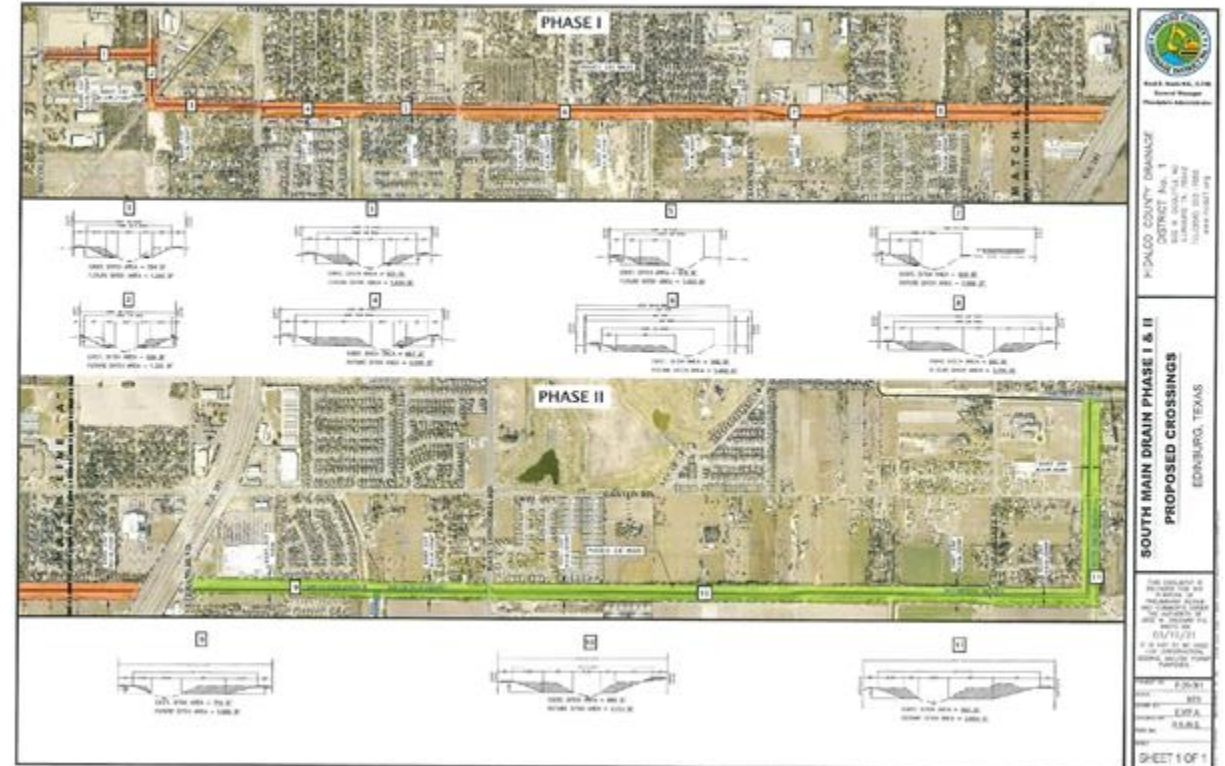
- ❖ Canton Rd to Russell Road (3.42 Miles)
- ❖ Expansion is within HCDD1 ROW
- ❖ Channel widening to increase localized drainage capacity
- ❖ Reconstruction of 26 outfalls
- ❖ Adjustment / Relocation of utility lines



South Main Drain Expansion

Project Cost Estimate: \$10,402,906.78

- ❖ The project will add millions of additional cubic yards of stormwater storage capacity.
- ❖ Phase I: 2.83 Miles in Length (Completed)
- ❖ Phase II: 2.81 Miles in Length (Completed to Cesar Chavez)
- ❖ Total: 5.64 Miles in Length
- ❖ Existing ROW 130' to 260'
- ❖ Average Existing Channel Top Width 68' to 80'
- ❖ Average New Channel Top Width 107' to 220'
- ❖ Approximate Hidalgo County residents: 828,000
- ❖ Approximate number of residents to Benefit: 150,000
- ❖ Indirect Benefit: 225,000 acres
(includes critical infrastructure: i.e., county courthouse, medical areas, I-69C evacuation route)
- ❖ Approximate Beneficiaries: 397,000



Faysville Drain

Project Description:

Proposed drainage ditch extension that provides outfall for US281/I-69C, the Community of Faysville and surrounding areas. Outfalls into the proposed Raymondville Drain.

Project Update:

Under Construction

11A – Notice to Proceed: 04/27/23

11B – 75% Complete

- ❖ Construction Cost: \$1,236,425
- ❖ Majority of work is ditch excavation - Approximately 13,725 ft (2.6 miles) of ditch is being excavated.
- ❖ Excavates up to 5 ft of additional depth, adds a maintenance bench to a section of the existing ditch.
- ❖ Installs gate near Ingle Road to keep water from backflowing into the ditch.
- ❖ Modifies existing 60-inch diameter concrete pipe

