

Country Club Creek West at Roy G Guerrero Park

*Environmental Commission
May 19, 2021*

Janna Renfro, P.E.
Project Sponsor
Watershed Protection Department



RECAP:

Roy G. Guerrero Colorado River Metro Park

- 363 acres
- Constructed drainage channel – *Country Club West*
- Original drainage channel – *Country Club East*
- Improvements constructed in 2010



RECAP:

Erosion Damage

- 2015 Floods
- Severe erosion created a shorter path to the river.
- Pedestrian bridge collapsed
- May 2015 - December 2017: Erosion damaged ~1500 feet (5 acres) of drainage channel
- 100s of trees lost
- 2500 dump truck loads of sand and soil (~37,000 cubic yards)

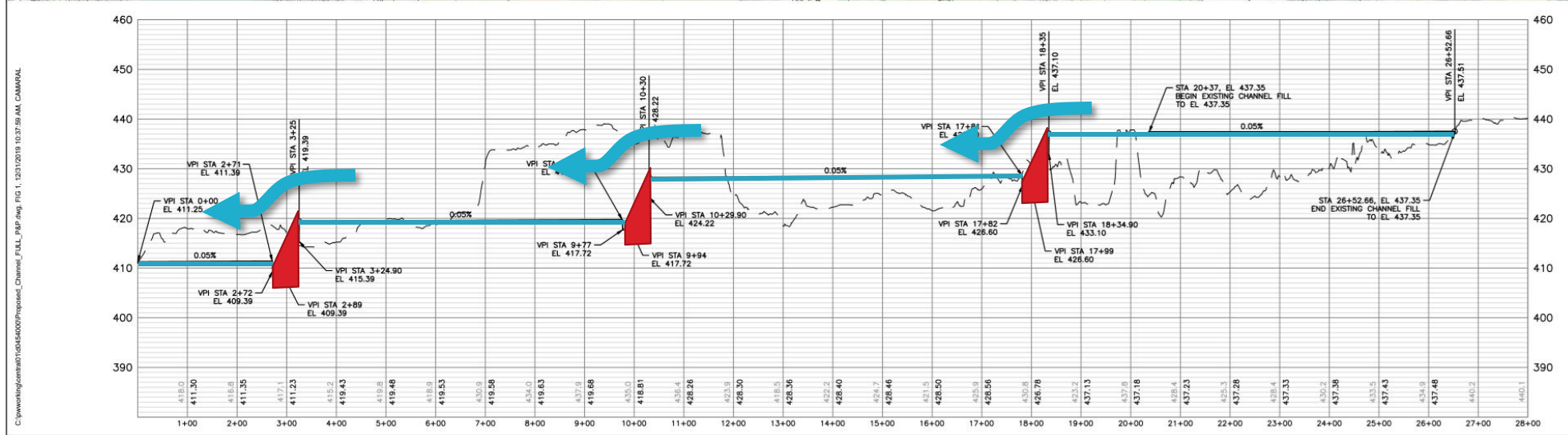
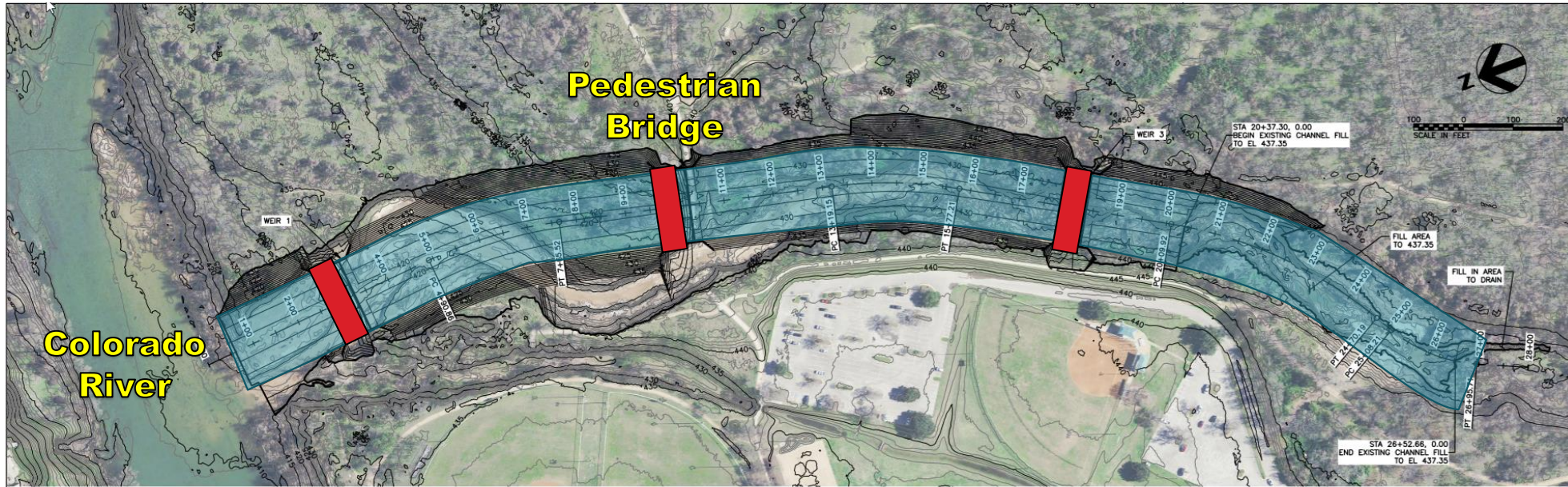
2016



RECAP:

Permanent Solution

- ~2,000 linear feet of channel stabilization
- Three concrete “drop structures”
- Natural channel between structures
- Bridge over middle structure above 100-year flood elevation



PROJECT MANAGER: E. STEWART, P.E.		
DESIGNED BY: G. DOUBLEDAY		
DRAWN BY: C. AMARAL		
DATE: FEBRUARY 2020		
PROJECT NUMBER: 10074265		
ISSUE	DATE	DESCRIPTION

This document is released for the purpose of review only under authority of Eric J. Stewart, PE 95907.
12/31/2019
DRAFT



**ROY G. GUERRERO PARK
CHANNEL STABILIZATION**

Austin, Texas

**CHANNEL STABILIZATION
FULL PLAN & PROFILE**

0 1" 2" FILENAME: PROPOSED_CHANNEL_FULL_PLAN.PDF SHEET: FIG 1
SCALE: H: 1"=100'; V: 1"=10'

RECAP:

Temporary Repairs

- Project No. 1
- 2017
- Protect Ballfields



RECAP:

Temporary Repairs

- Project No. 2:
- 2018
- Stop headcut from moving upstream



2019 – 2021 Update Items

- Erosion Progresses
- Three New Temporary Repair Projects
 - Wastewater Line
 - Park Road
 - Headcut
- 60% and 90% Design Deliverable
 - Updated Construction Cost Estimate
 - Schedule

UPDATE:

Temporary Repairs

- Project No. 3:
- 2019-20
- Protect 54" Active Wastewater Line



UPDATE:

Temporary Repairs

- Project No. 4:
- 2020
- Protect Park Road



UPDATE:

Temporary Repairs

- Project No. 5:
- 2020
- Repair failed temporary headcut stabilization



BEFORE



AFTER



Interim Project
No 5

Permanent Project

90% Design & Cost Estimate

- **90% Design** – Received April 2021
- **Construction Cost Estimate** — \$22M - \$28M

Project Schedule

2021

Complete Design

2022

Bid

2022

Begin Construction

2024

Complete Construction