

# Country Club Creek West at Roy G. Guerrero Park

*Parks and Recreation Board  
January 25, 2020*

Janna Renfro  
Engineer, Project Sponsor  
Watershed Protection Department



# Roy G. Guerrero Colorado River Metro Park

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



# 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
- Equivalent of 2500 dump truck loads of sand and soil lost (~37,000 cubic yards)



2016



# Temporary Repairs

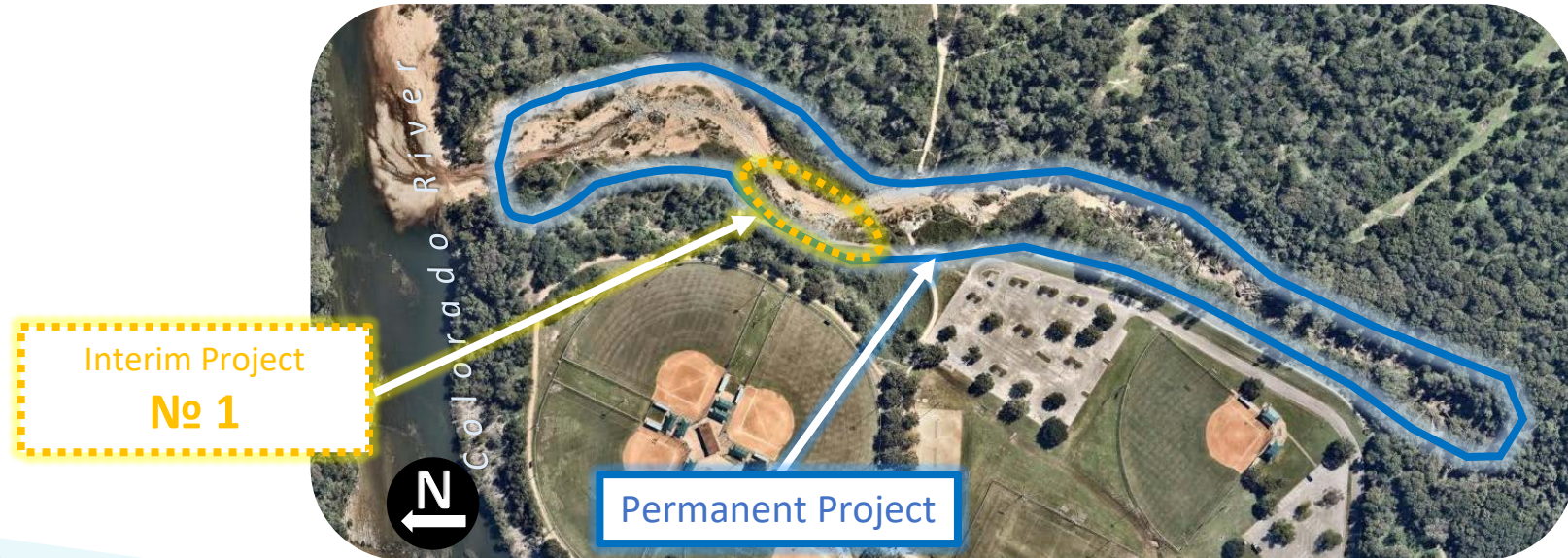
- Project No. 1
- 2017
- Stabilized bank near ballfields



**BEFORE**



**AFTER**



Interim Project  
**No 1**

Permanent Project

# Temporary Repairs

- Project No. 2:
- 2018
- Stabilized headcut



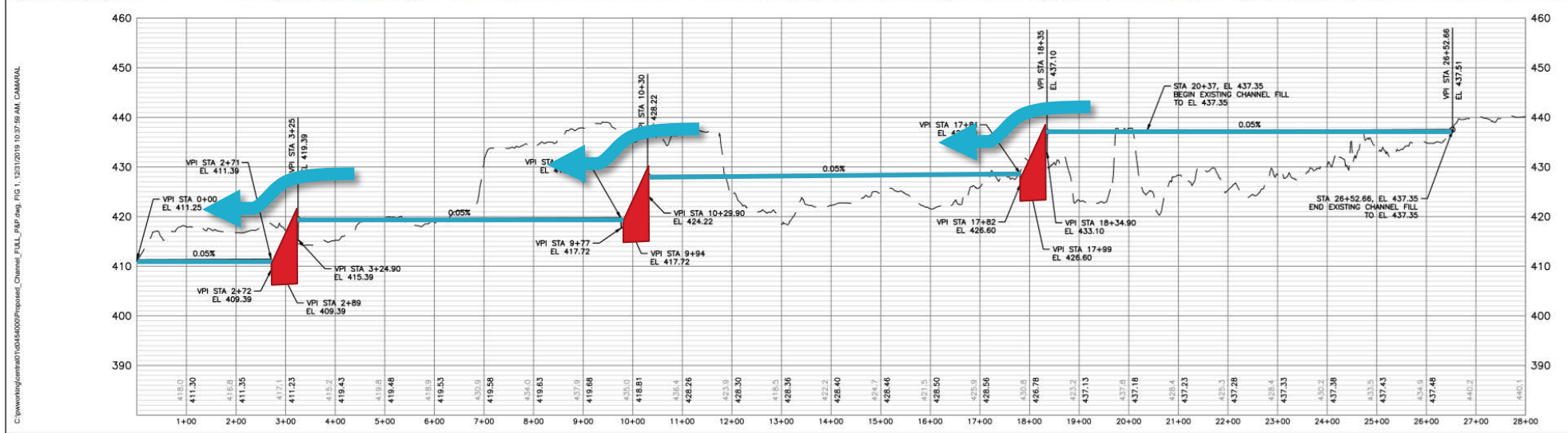
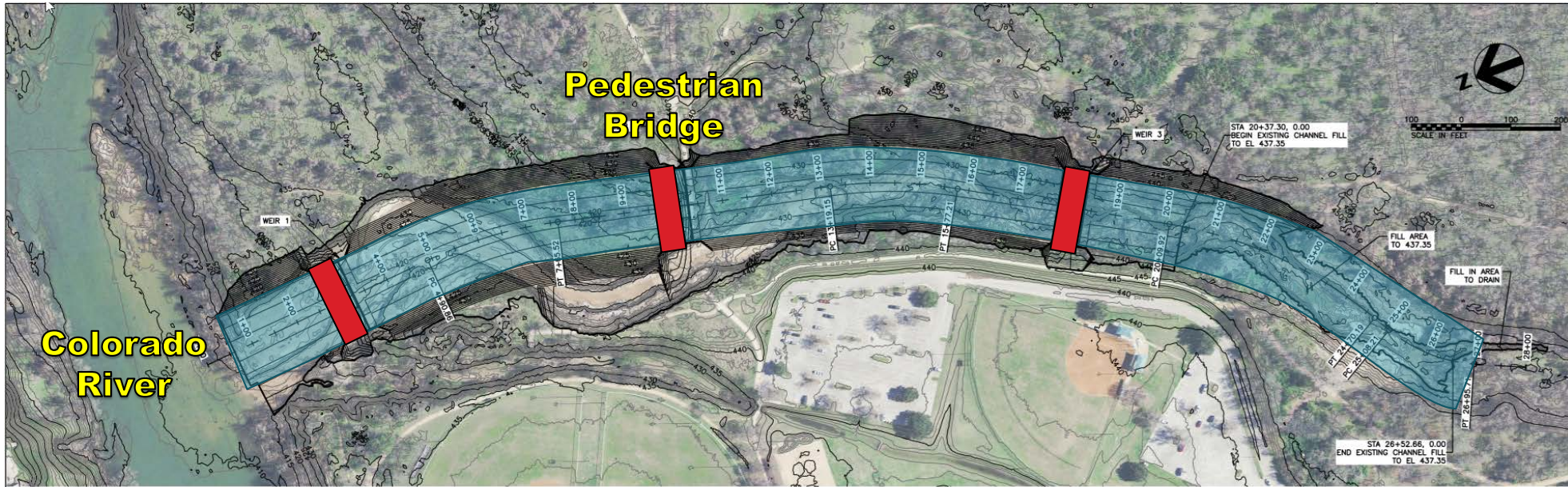
# Temporary Repairs

- Project No. 3:
- 2019
- Wastewater Line Encased



# Permanent Solution

- ~2,000 linear feet of channel stabilization
- Three concrete “drop structures”
- Natural channel between structures
- Bridge over middle structure above 500-year flood elevation



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

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12/31/2019  
**DRAFT**



**ROY G. GUERRERO PARK CHANNEL STABILIZATION**

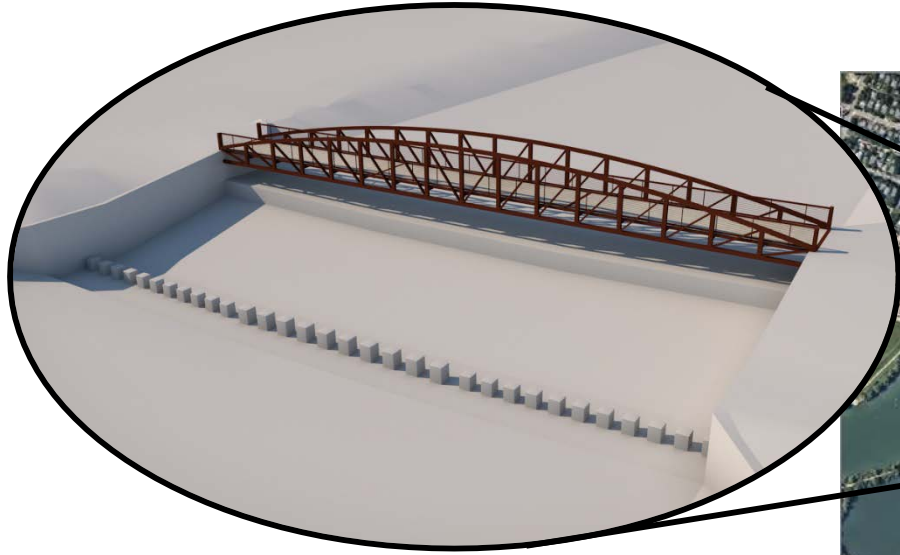
Austin, Texas

**CHANNEL STABILIZATION FULL PLAN & PROFILE**

SCALE: H: 1"=100', V: 1"=10'

SHEET  
**FIG 1**

# Trail Connectivity





# Project Schedule

2020	Complete Design
Early 2021	Bid
Mid 2021	Begin Construction
Early 2023	Complete Construction

# Funding Sources

FEMA Grant	\$8.5 M
PARD	\$2.5 M
2018 Drainage Bonds	\$1 M
Drainage Utility Fee	\$5+ M