

WELCOME

Westside Creeks

Ecosystem Restoration:

San Pedro Creek Initial Design Update



Presented by: US Army Corps of Engineers
San Antonio River Authority

Monday, September 18, 2023



US Army Corps
of Engineers®



SAN ANTONIO
RIVER AUTHORITY

Ways to Participate in the Design Process

- Follow project updates online at westsidecreeks.com
 - Presentations posted online in English and Spanish
 - Fill out online comment form
- Attend in-person Information Session
 - View presentation
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 - View poster boards and ask questions
 - Posters and Experts available to answer questions
- Attend Westside Creeks Oversight Committee Meetings
 - Next: October 17, 2023
 - RA Boardroom 6 PM



Part 1: Project Background

Rebecca Krug, Sr. Project Manager



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Overview

Federal project partnership with US Army Corps of Engineers to restore channelized Westside Creeks and improve community connectivity.

EXISTING CONDITIONS

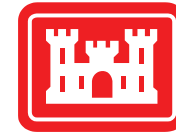


RESTORATION MEASURES



Project Team

Federal Sponsor:



**US Army Corps
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Non-Federal Sponsor:



Local Funding Partner:



Architect – Engineer:



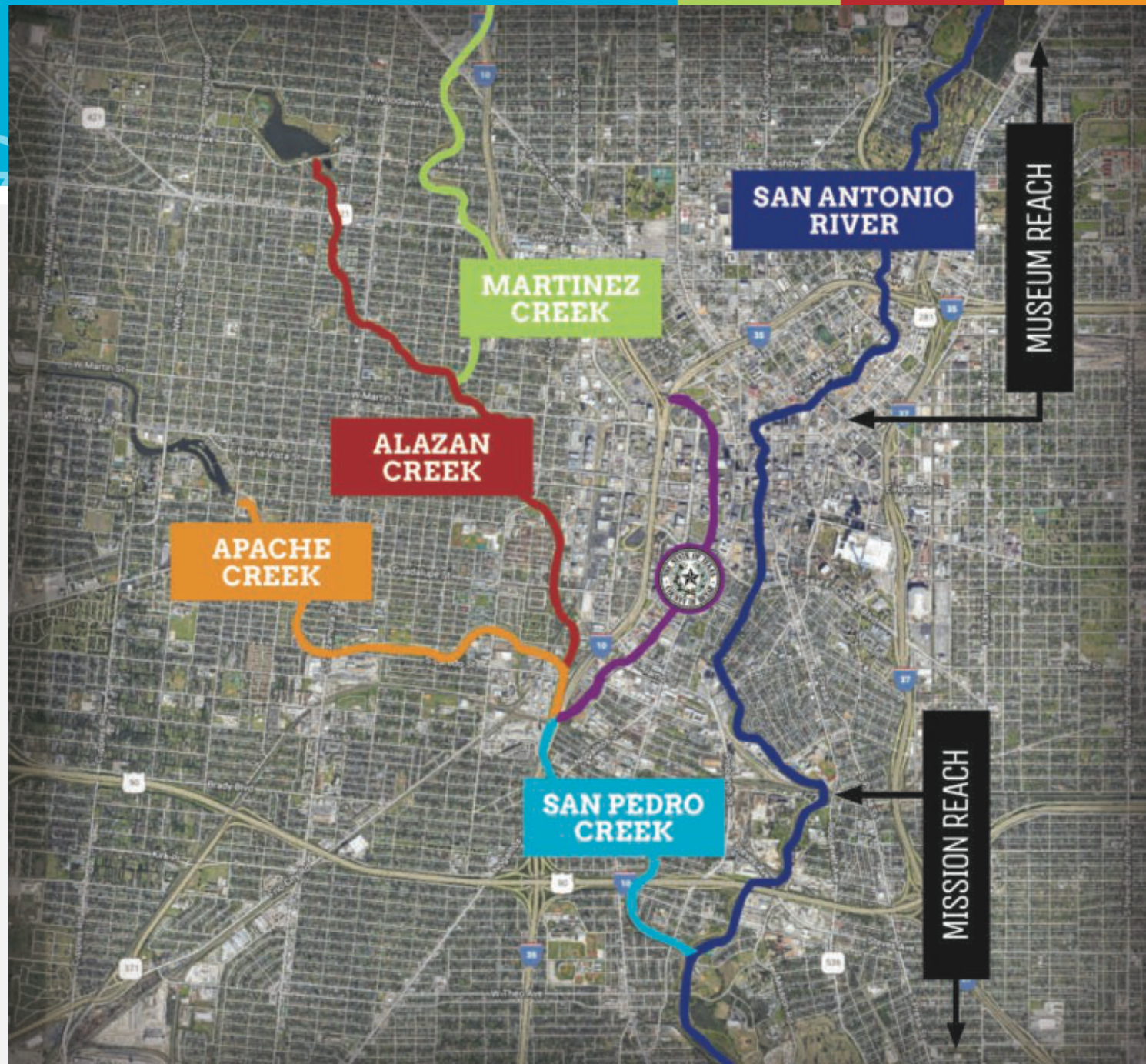
Background

- 2008 – Westside Creeks Oversight Committee formed
- 2012 – Vision Plan
- 2014 – Feasibility Study
- Jan 2022 – USACE Announces \$75 million funding for the project
- Sept 2022 – SARA/USACE Partnership
 - Pre-design Activities Begin: Survey and Baseline Environmental Studies
- March 2023 – Design Phase Begins
 - Architect-Engineer: Michael Baker Intl. – Huitt Zollars JV
- July 2023 – Public Input Session
 - Recreation Features
- September 2023 – 30% Initial Design Milestone



Project Area

- **San Pedro Creek**
 - Project 2.4 Miles
- **Apache Creek**
 - Project Length = 2.6 miles
- **Alazán Creek**
 - Project Length = 4.0 Miles
- **Martinez Creek**
 - Project Length = 2.4 miles



Oversight Committee Organizations

Alazán Resident Council

Avenida Guadalupe

Beacon Hill NA

Bexar Audubon Society

Historic Westside Residents Association

Los Bexarenos Genealogical Society

Our Lady of the Lake University

Prosper West

Prospect Hill NA

San Antonio Alternative Housing

Corporation

San Antonio Conservation Society

SAISD

San Antonio Wheelmen

St. Mary's University

TexasTejano.com

UTSA

United San Antonio Pow Wow Inc.

Woodlawn Lake NA

Student – Vacant*

*The River Authority Board appointments committee organizations, the organizations select their member representatives

Part 2: Design Concept Overview

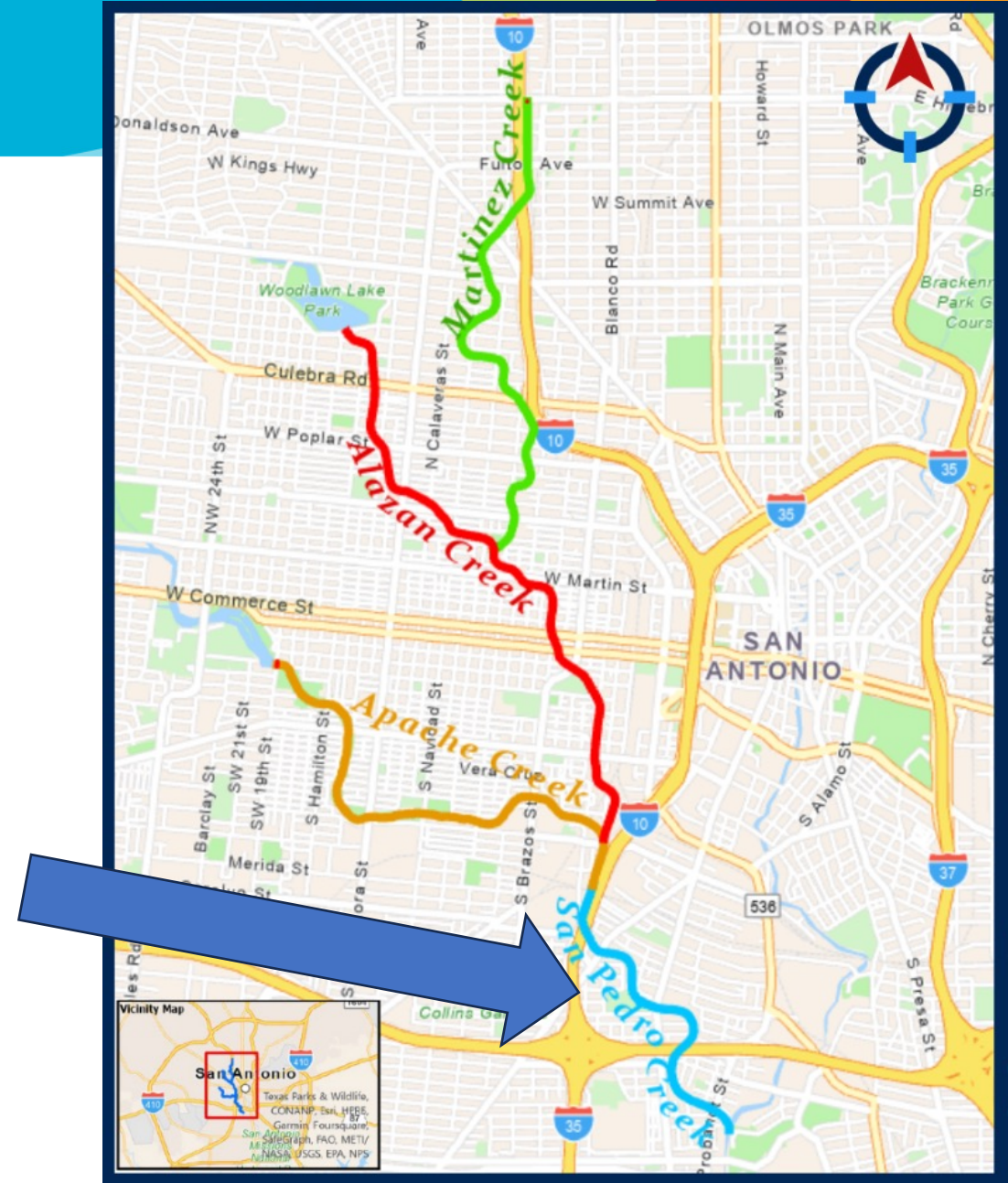
Danny Allen, Wildlife Biologist



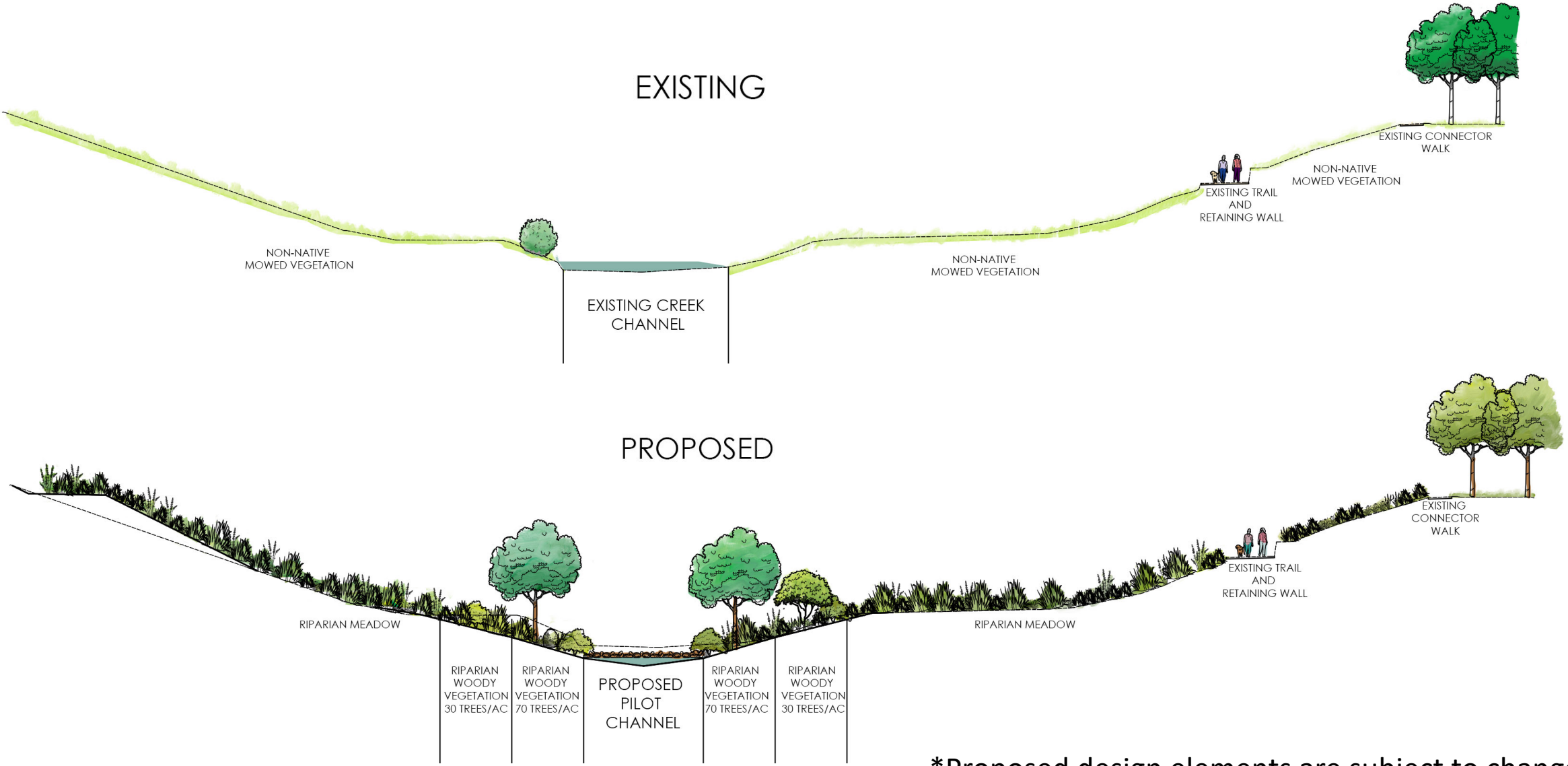
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Design Overview

- 67 acres of Riparian Meadow and Riparian Woody Vegetation
- 2.4 miles of pilot channel
- 17 pool-riffle complexes
- Slackwater

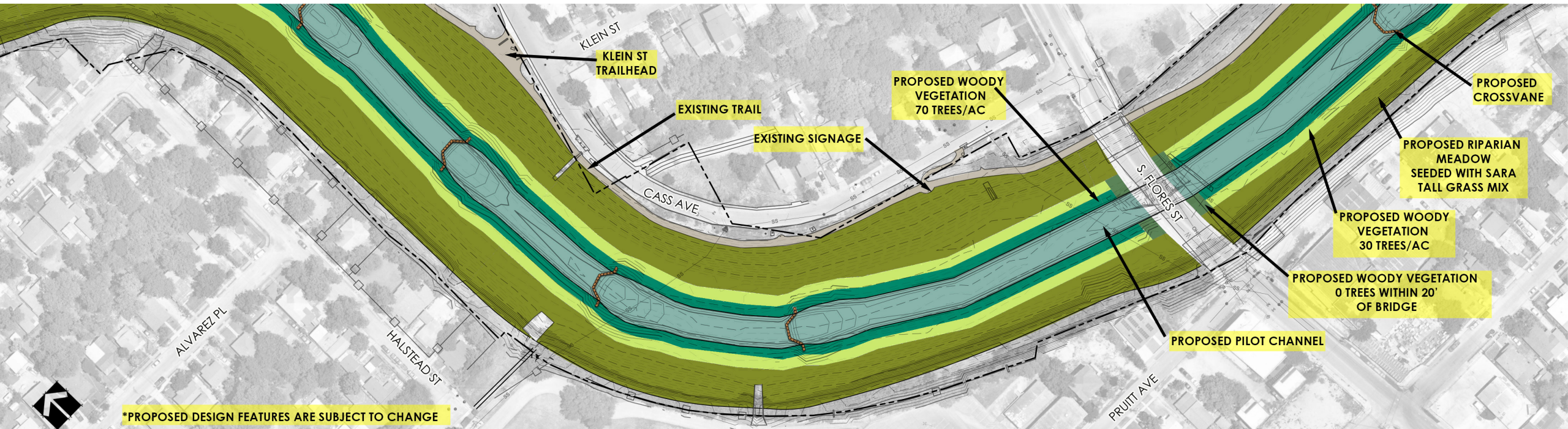


Typical San Pedro Creek Sections



*Proposed design elements are subject to change

Proposed San Pedro Creek Layout



- Water surface elevation rises with increased vegetation
- Vegetation will be located in the design to maintain the current water surface elevation

Examples of Cross Vanes, Constructed Riffles, and Pools



Pool

Constructed Riffle



Cross Vane



Cross Vane



Pool

Vegetation Value

- Food for wildlife
 - Nectar, foliage, pollen, seeds, nuts, fruits, etc.
- Shelter for wildlife
- Soil and creek bank stabilization
- Filtration for water quality
- Shading
- Higher tolerance of heat, drought, and flooding



BALD CYPRESS



EASTERN GAMMA GRASS



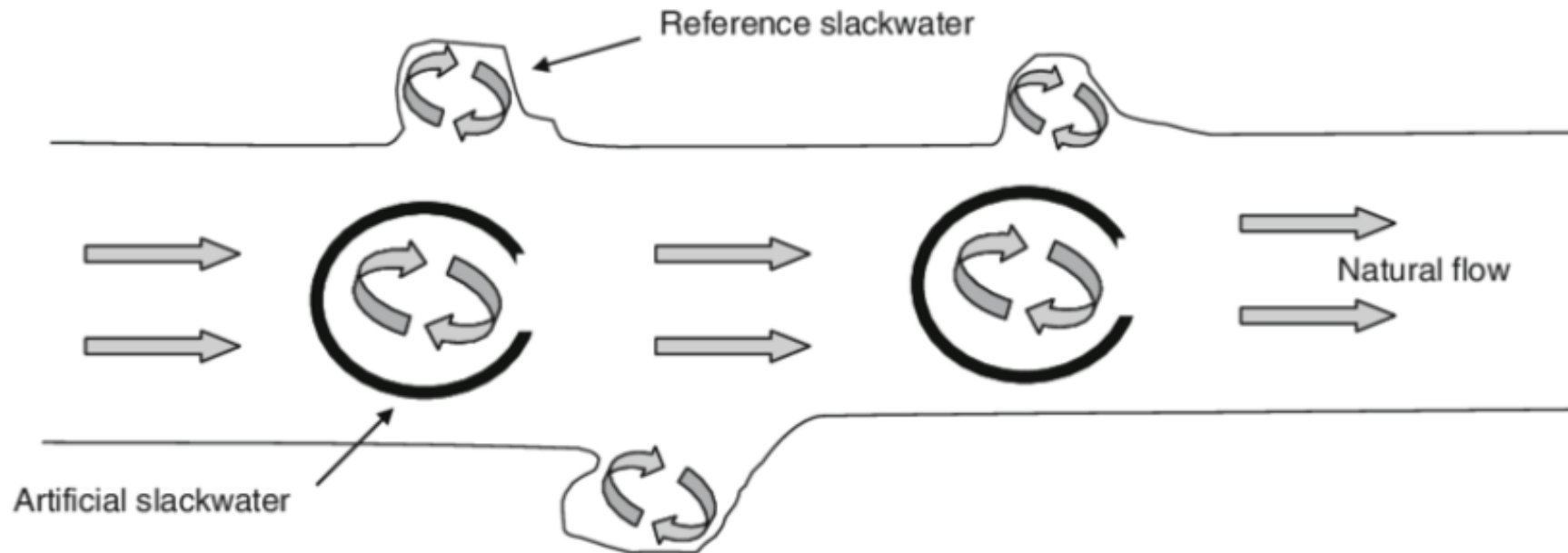
RED BUCKEYE



MAXIMILIAN SUNFLOWER

Slackwater

- Slackwater areas are portions of the creek with low velocities and shallow depths
- Important habitat area for aquatic organisms



Recreation Amenities

- Interpretive and wayfinding signs
- Shade structures
- Benches
- Water fountains
- Picnic tables
- Trash receptacles



BENCH



RECEPTACLE



*Proposed designs are subject to change

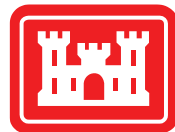
Design Considerations

- 1 railroad crossing
- 1 low water crossing
- 7 street bridge crossings
- Underground utilities



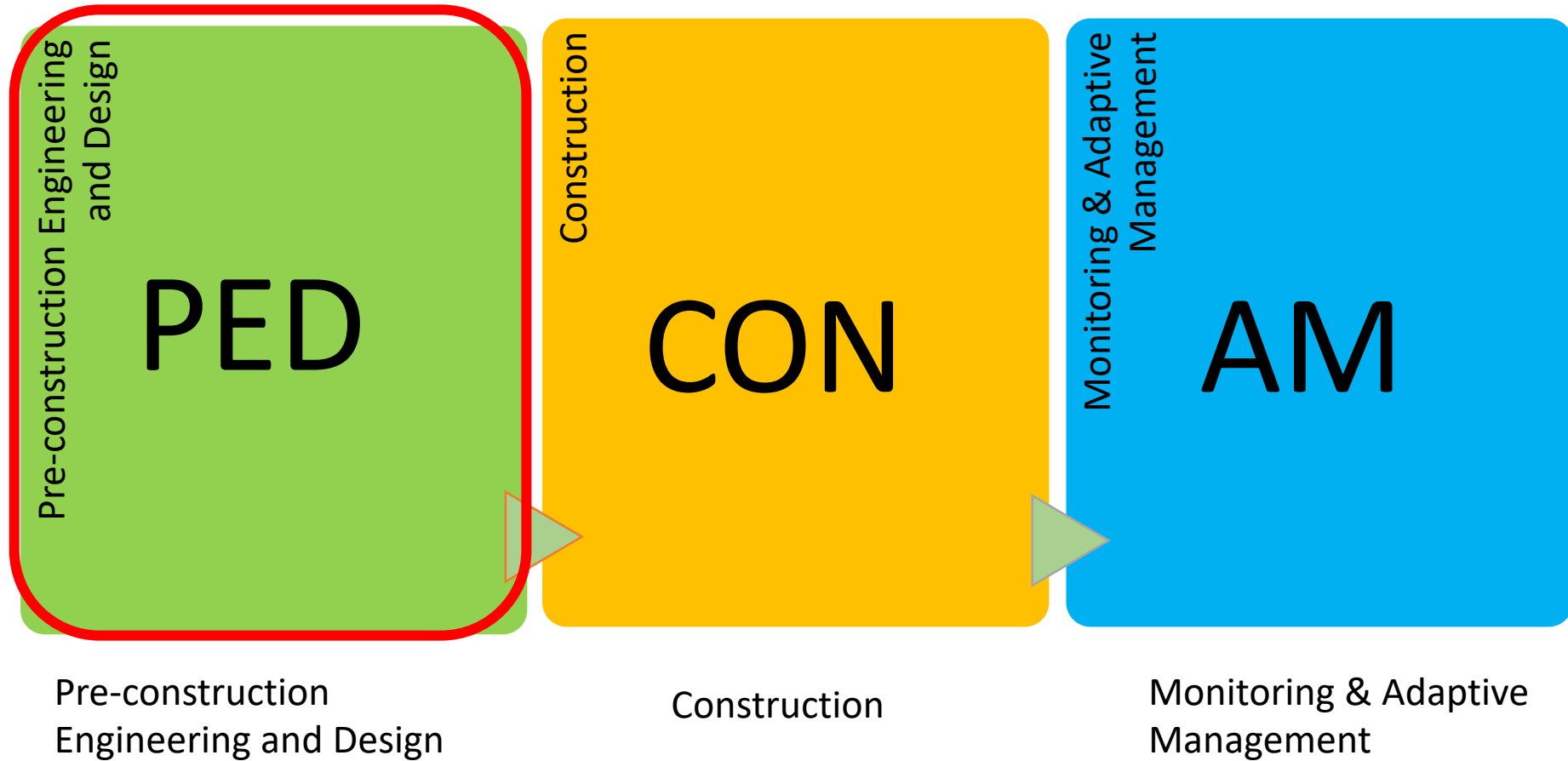
Part 3: Look Ahead

Zia Burns, Program Manager

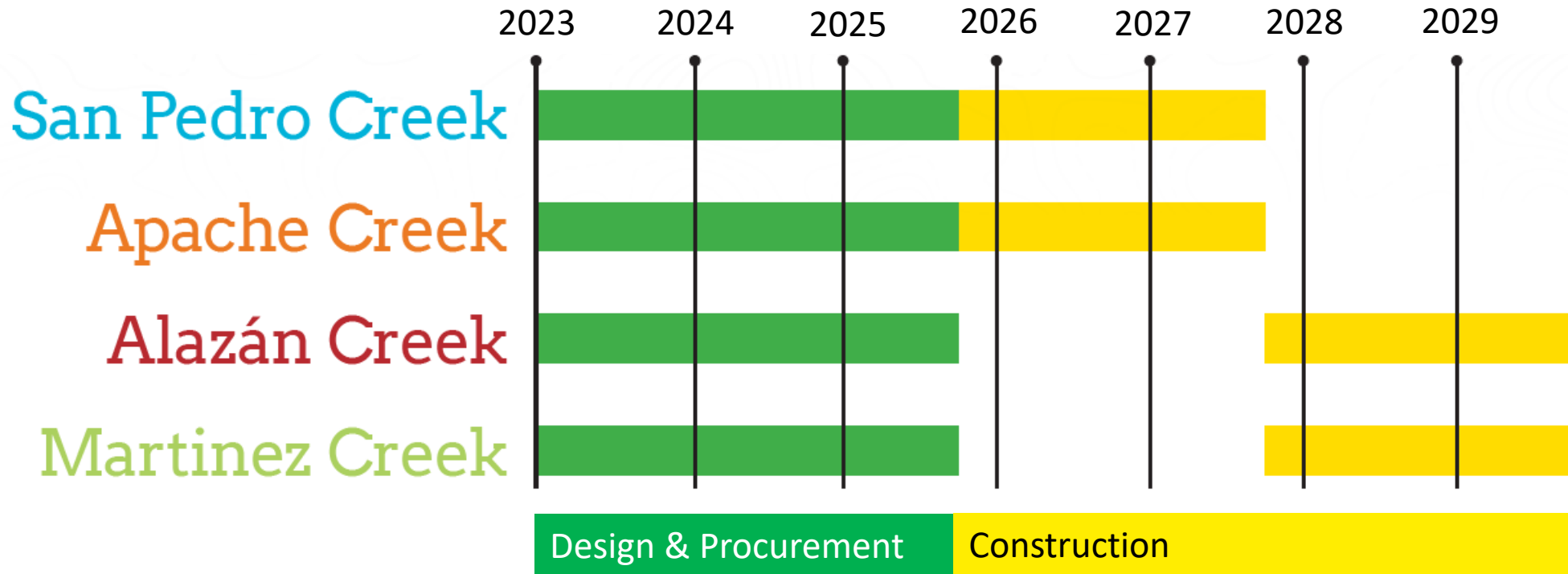


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Project Phases



Proposed Schedule*



*Proposed schedule subject to change

Public Information Sessions*

(30%) Initial Design

September 2023



(60%) Interim Design

March 2024



(90%) Final Design

October 2024

* Subject to change

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Thank you!

Please join us at the poster boards

Refreshments provided

Contact Information



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