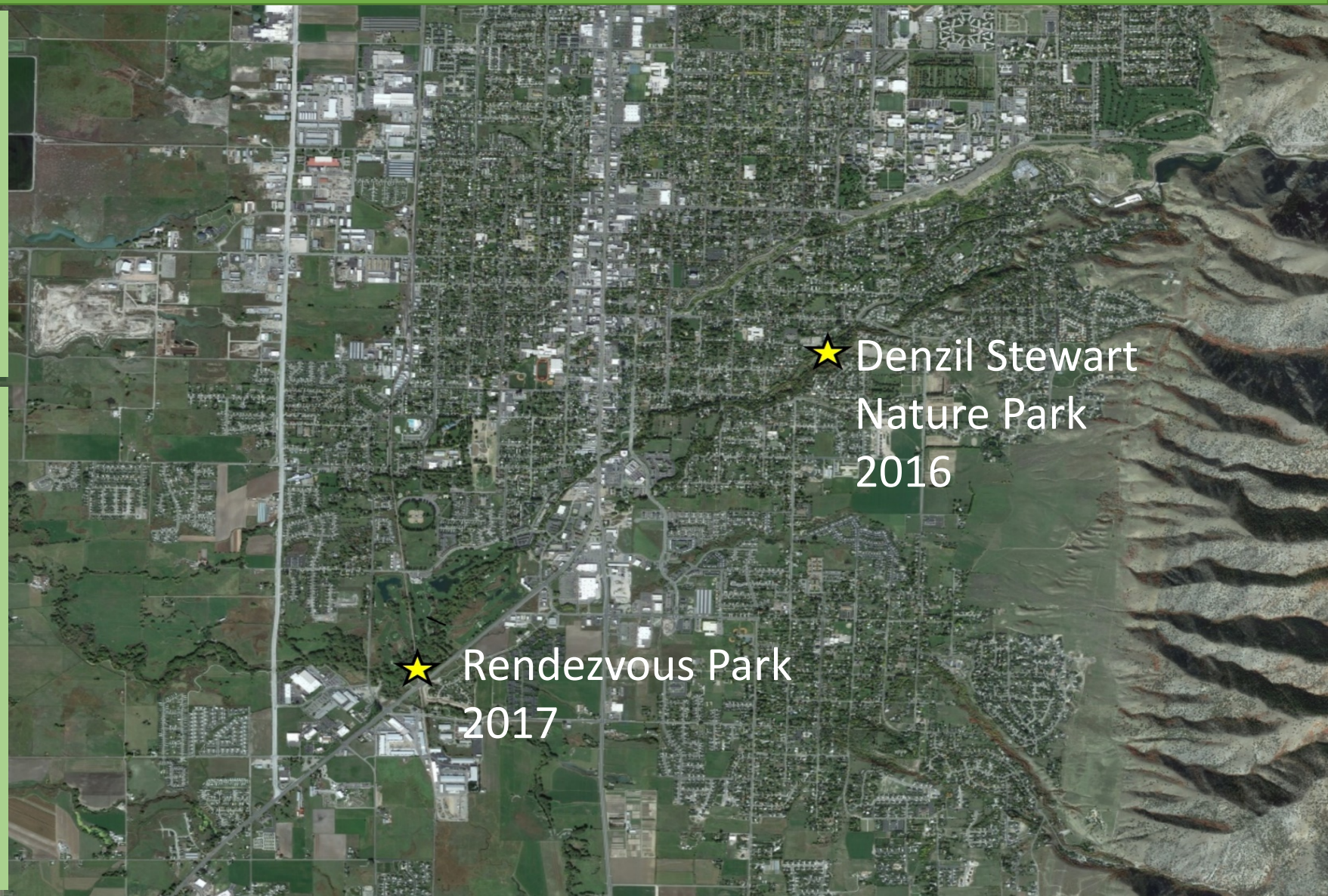
Logan River Restoration
2016-2017 Demonstration Projects

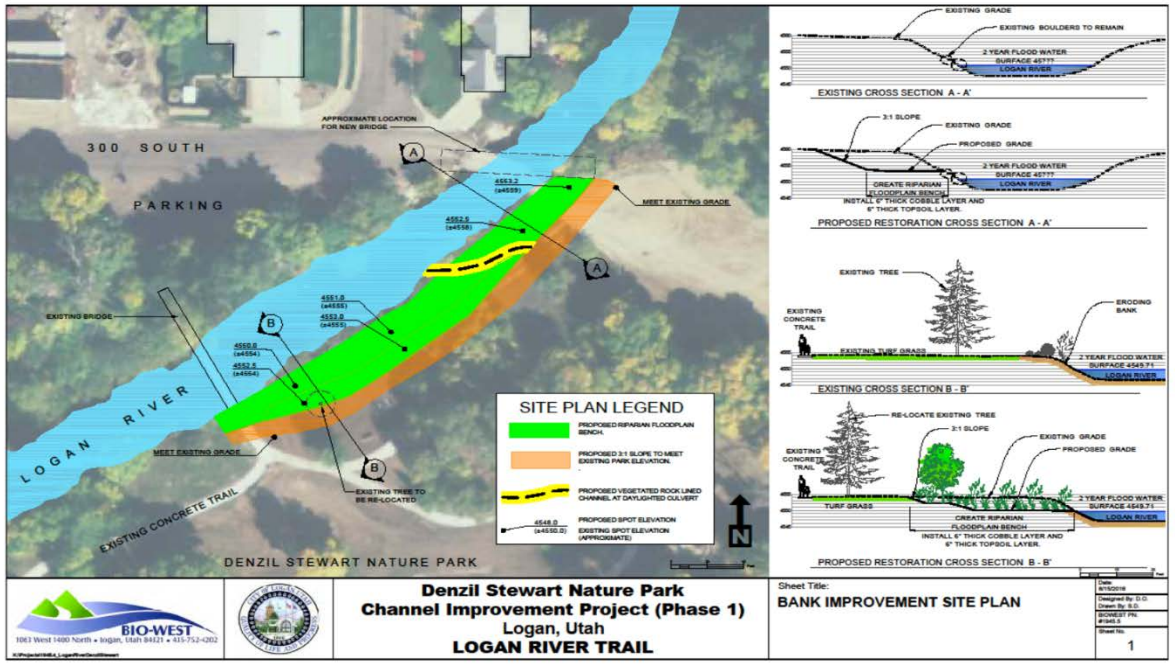
Both projects were funded by the Willard Spill Mitigation funds with Logan City match. Additional CWA Section 319 and Nonpoint Source Pollution funds were obtained last year to help implement these and other restoration projects identified in the Logan River CAP.

Planning partners to-date include:

Logan City
Utah State University
Cache County
NRCS
Utah Assoc. of Conservation Districts
Bridgerland Audibon
Cache Anglers and Trout Unlimited
PacifiCorp
Utah Division of Water Quality
Utah Division of Wildlife Resources
The Nature Conservancy
Cache Valley Wildlife Association
Interested Citizens



Denzil Stewart Nature Park
Riverbank Restoration Construction Plans



Constructed Fall 2016

Denzil Stewart Nature Park
Riverbank Restoration Completed Fall 2016

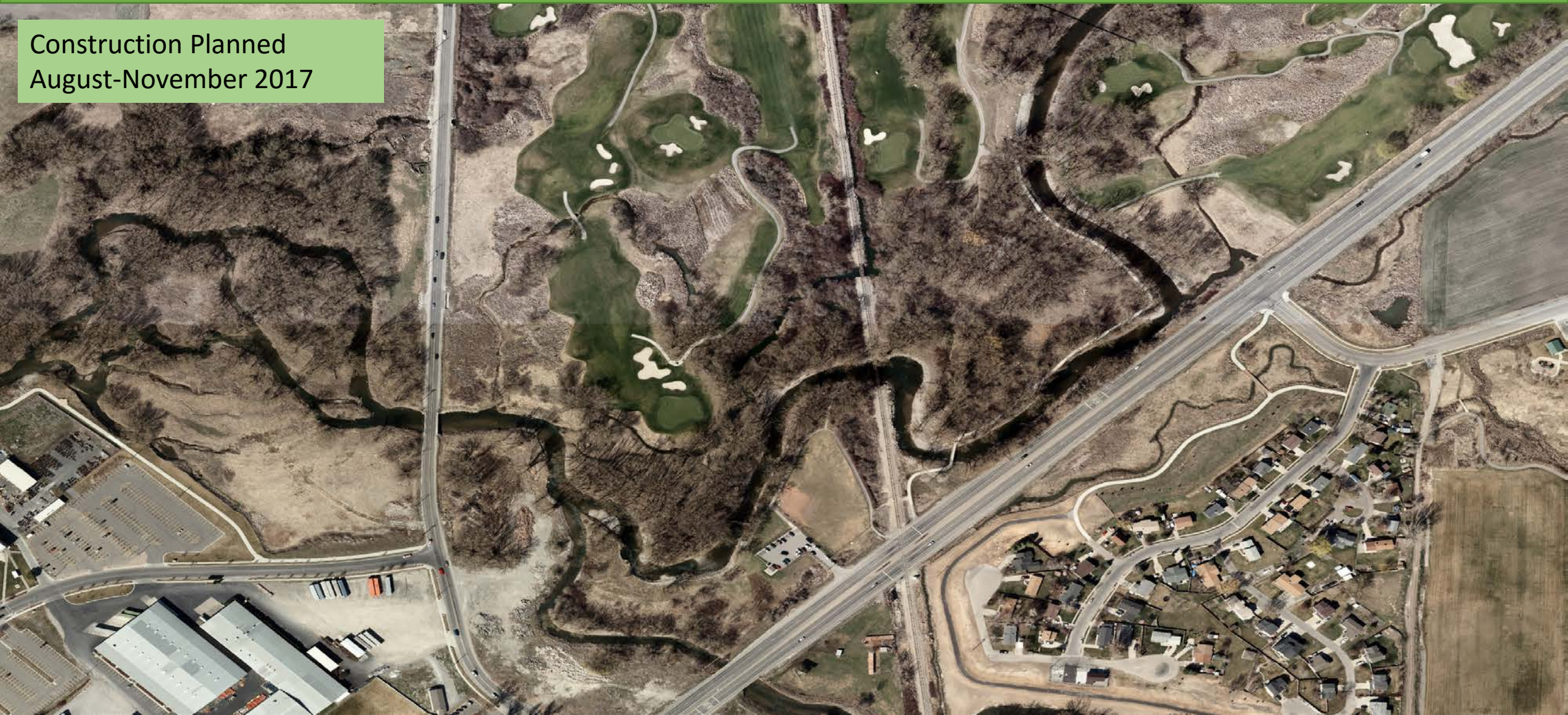
Denzil Stewart Nature Park - Objectives

- Reduce bank erosion
- Reduce sediment sources and nutrient loads
- Improve riparian vegetation condition
- Enhance bird habitat
- Enhance recreation opportunities
- Improve water quality, and
- Beautify the park

This project demonstrates “Best Management Practices” for streambank protection to residents with riverside property.

Logan River at Rendezvous Park
Channel and Floodplain Restoration

Construction Planned
August-November 2017



LR Golf Course Flooding Problems (2011)

Coordinate System: NAD 1983 2011 StatePlane Utah North FIPS 4301 Ft US
Projection: Lambert Conformal Conic
Date: 4/10/2017
Map Scale: 3,600

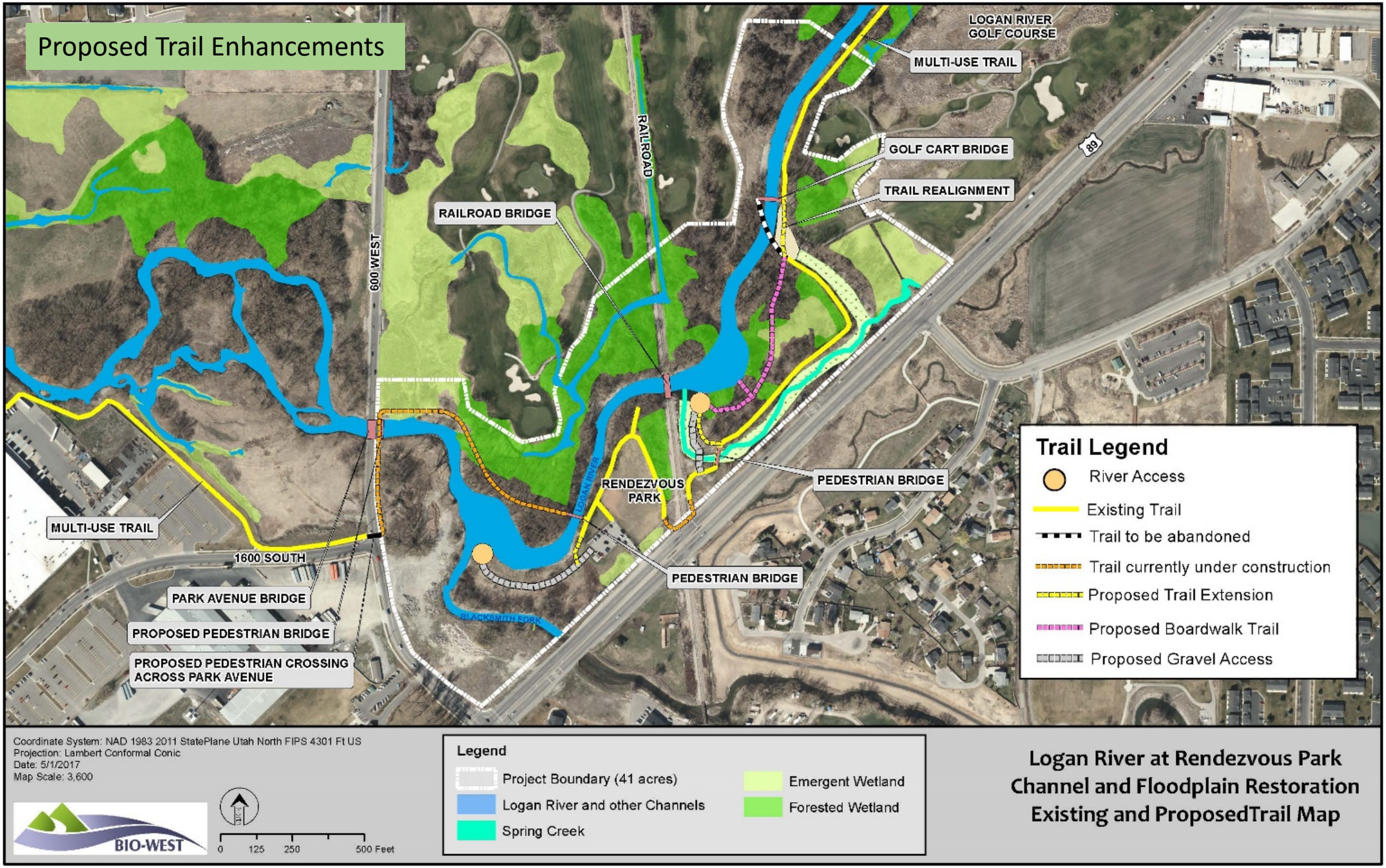
BIO-WEST

0 125 250 500 Feet

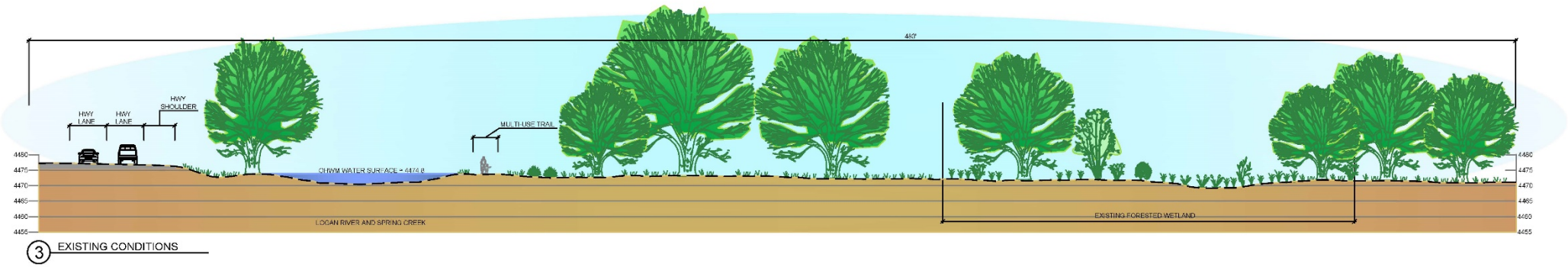
Legend

- Project Boundary (41 acres)
- Logan River and other Channels
- Spring Creek
- Emergent Wetland
- Forested Wetland

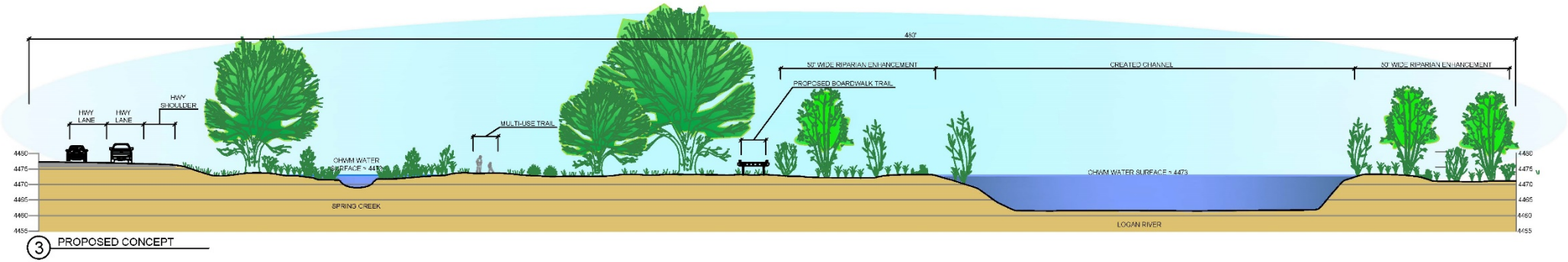
Logan River at Rendezvous Park Channel and Floodplain Restoration Proposed Concept Map


Proposed Trail Enhancements
LOGAN RIVER GOLF COURSE
MULTI-USE TRAIL
GOLF CART BRIDGE
TRAIL REALIGNMENT
RAILROAD
RAILROAD BRIDGE
600 WEST
89
PEDESTRIAN BRIDGE
RENDEZVOUS PARK
LOGAN RIVER
MULTI-USE TRAIL
1600 SOUTH
PARK AVENUE BRIDGE
PROPOSED PEDESTRIAN BRIDGE
PROPOSED PEDESTRIAN CROSSING ACROSS PARK AVENUE
PEDESTRIAN BRIDGE
BLACKSMITH FORK
Trail Legend
River Access
Existing Trail
Trail to be abandoned
Trail currently under construction
Proposed Trail Extension
Proposed Boardwalk Trail
Proposed Gravel Access
Coordinate System: NAD 1983 2011 StatePlane Utah North FIPS 4301 Ft US
Projection: Lambert Conformal Conic
Date: 5/1/2017
Map Scale: 3,600
BIO-WEST
0 125 250 500 Feet
Legend
Project Boundary (41 acres)
Logan River and other Channels
Spring Creek
Emergent Wetland
Forested Wetland
Logan River at Rendezvous Park
Channel and Floodplain Restoration
Existing and ProposedTrail Map

Logan River at Rendezvous Park Channel and Floodplain Restoration



3 EXISTING CONDITIONS



3 PROPOSED CONCEPT

Date: 4/10/2017

BIO-WEST
1063 West 1400 North • Logan, Utah 84321 • 435-752-4202

Logan River at Rendezvous Park Channel and Floodplain Restoration Cross Section 3

Rendezvous Park - Objectives

- Reduce problem sedimentation within the river channel
- Reduce flooding
- Improve quality of riparian areas
- Improve water quality
- Enhance aquatic habitat
- Create more trails
- Enhance recreation opportunities

This project demonstrates channel and floodplain restoration practices that are applicable to other sections of the “Middle and Lower” reaches.

Rendezvous Park – Public Involvement Plan

- Public meeting – May 24, 5:00pm, Logan River Golf Course
- Information signs at Rendezvous Park, Logan River trail (golf course), and Icon Trail
- Take home flyer at each sign, also a handout for public events
- Planting day at Denzil Stewart Nature Park (June 17)/education outreach
- Flaggers at trail crossings to keep trail open during construction as much as possible
- Post-construction signage/interpretation at Rendezvous and Denzil Stewart

Rendezvous Park – Messaging

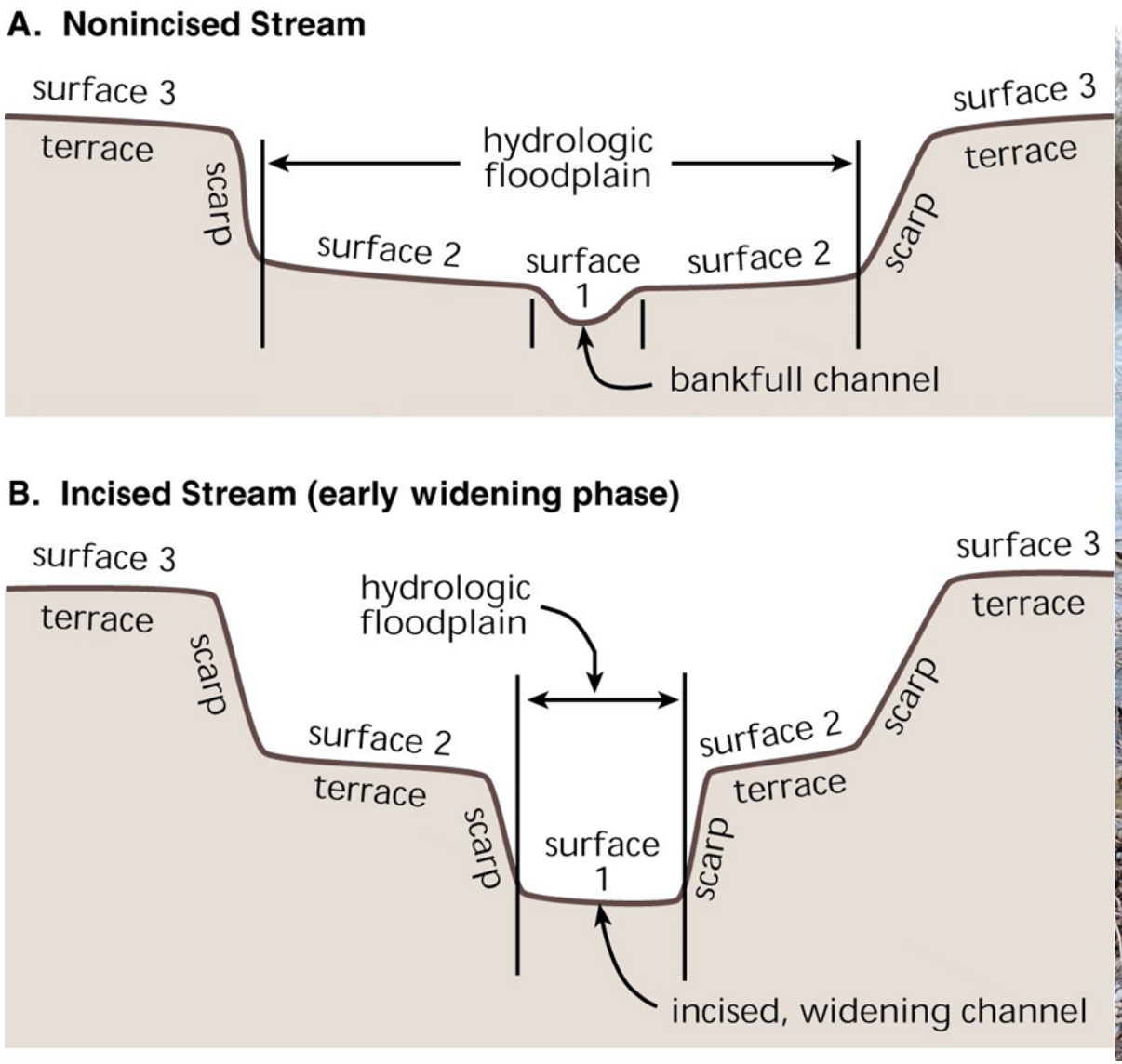
- We recognize the value of Logan River Trail and Rendezvous Park to the community
- Tall trees create shade for a pleasant trail and habitat for birds
- Most trees along existing trail will stay
- We propose a long-term revegetation plan – plant new trees and slowly replace old
- A new trail segment/loop will be created
- There will be improved access to the river, opportunity for take-out, put-in
- Will not affect the Golf Course operation, play

BIO-WEST

ALLRED RESTORATION

Thank You

Channel Incision in the "Upper" Residential Reach Causing Bed and Bank Erosion Problems



Flooding Issues - Woody Debris