

Post-Wildfire Flooding Update

May 7, 2024



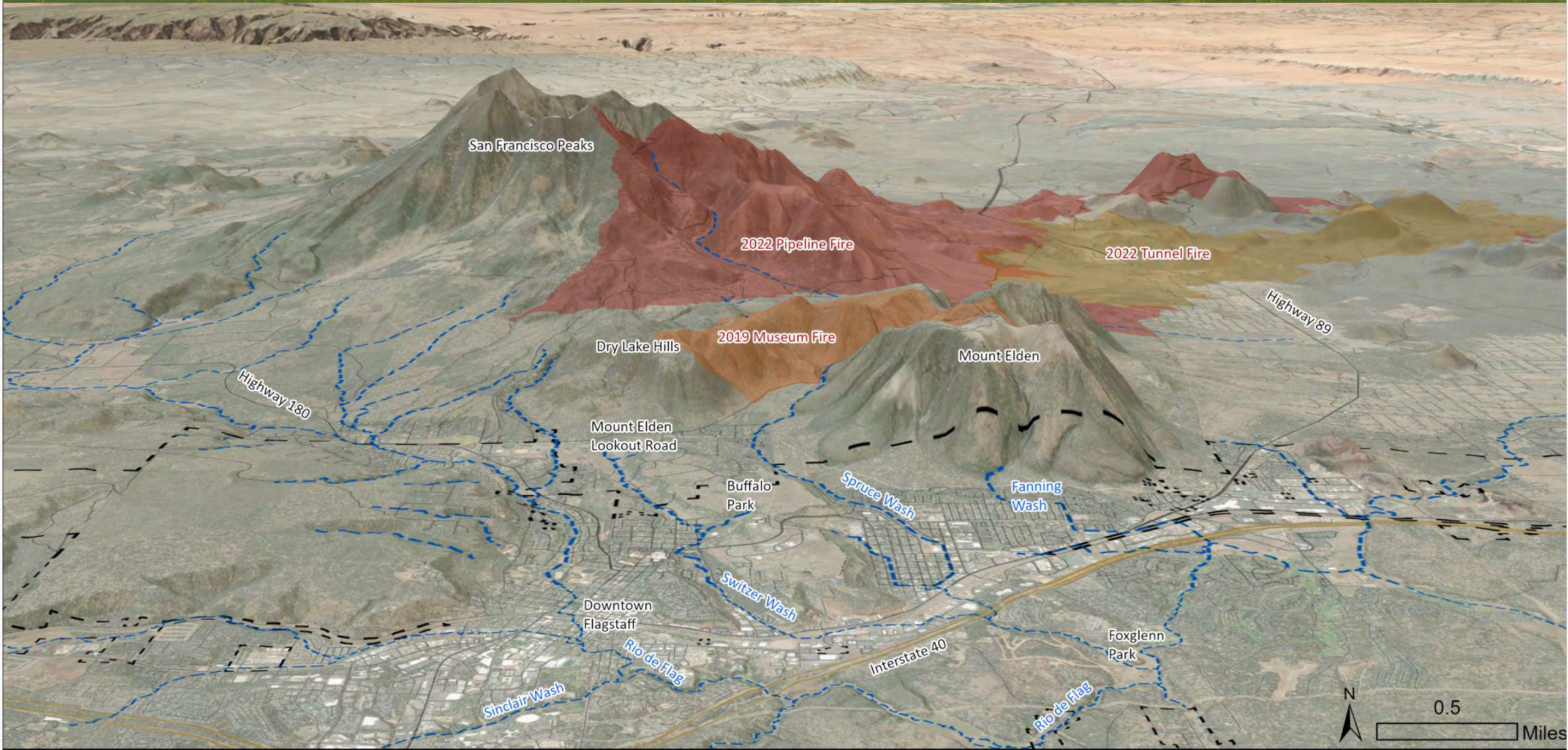


Objectives for tonight

- Spruce Wash updates
 - Sandbags & service request line details
- Schultz Creek updates
 - Sandbags & service request line details
- Flood prevention grants
- Questions



Overall Map





Spruce Wash

- Milestones
- Infrastructure project updates
 - Grandview Phase II Roadway
 - Linda Vista Crossing
 - Linda Vista to Cedar Channel Phase I Franchise Utilities
 - Wedge Phase II Utilities
- Construction impacts
- Modeling
- Preparations for 2024 monsoon season
- Breakout with design and construction team



Schedule



NOV 2022
PROP 441
PASSES

THANK YOU
FLAGSTAFF!

NOV 2022 -
ONGOING
STUDY,
PLANNING,
DESIGN &
PRECON

APR 2024
COMPLETED:
GRANDVIEW
UTILITIES &
WEDGE
CLEARING

2024 CONSTRUCT:
Grandview
LV-Cedar
Channel

Wedge Utils &
Stormdrain

2025 CONSTRUCT:
Wedge Utils &
Stormdrain
Cont.

Cedar Xing

Dortha-Arroyo
Seco Channel

2026 CONSTRUCT:
Arroyo Seco
to Dortha
Channel
Cont.

Killip Inlet &
Outlet

Spruce Wash






Suite of projects



Key Flood Projects

1. Grandview Drive Reconstruction
2. "The Wedge" Detention Basin
3. Linda Vista Drive Crossing
4. Cedar Avenue to Linda Vista Drive Channel
5. Cedar Avenue Crossing
6. Arroyo Seco Drive to Dortha Avenue Channel
7. Arroyo Seco Drive Inlet
8. Killip Basins Outlet
9. Killip Basins Inlet
10. Park Way Basins

Completed Key Flood Projects

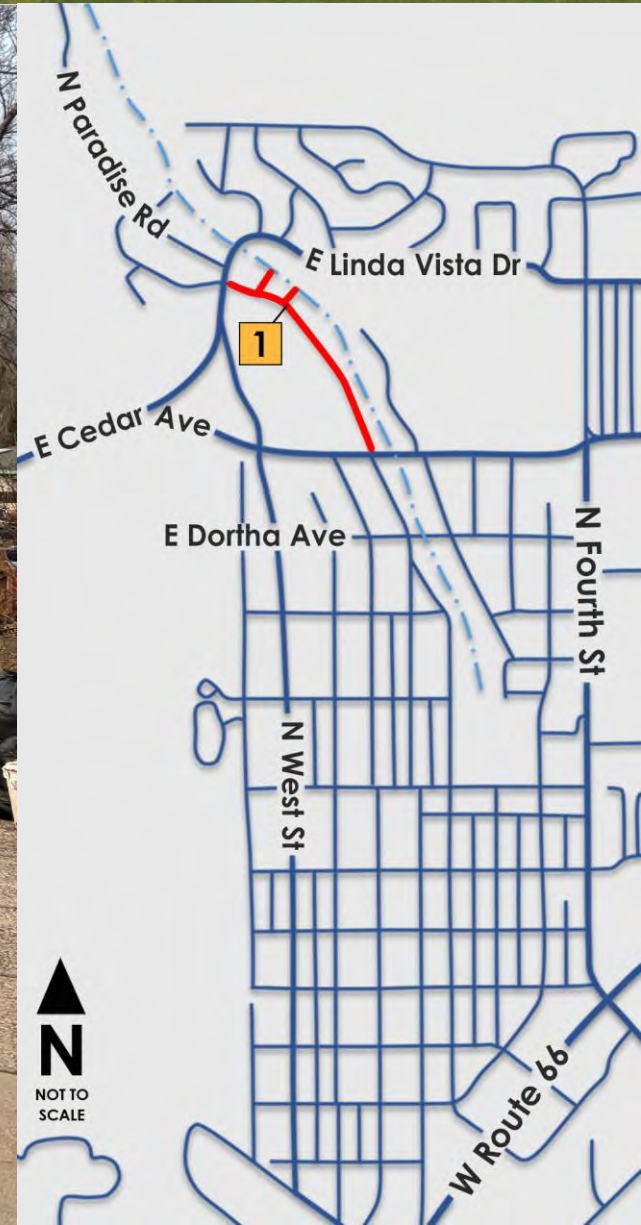
-  Spruce Wash Channel Improvements Project (Cedar Avenue to Dortha Avenue)
-  Spruce Wash Channel Improvements Project (Dortha Avenue Inlet)
-  Killip School Regional Detention Basins Project



Grandview Drive Reconstruction



Current Conditions

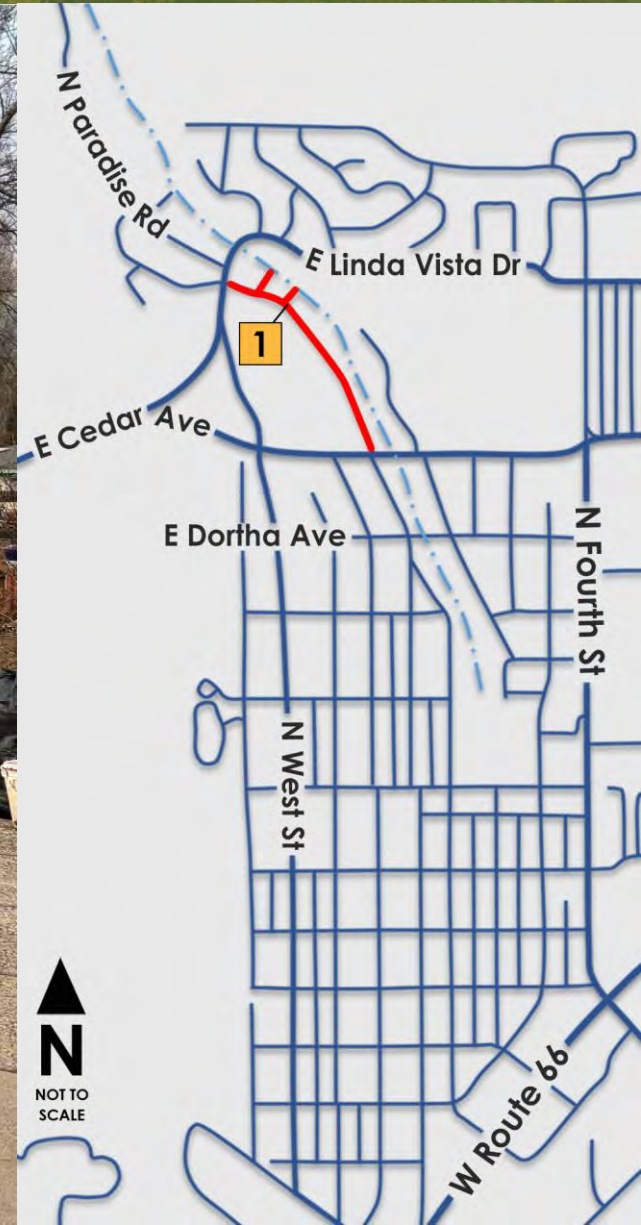




Grandview Drive Reconstruction

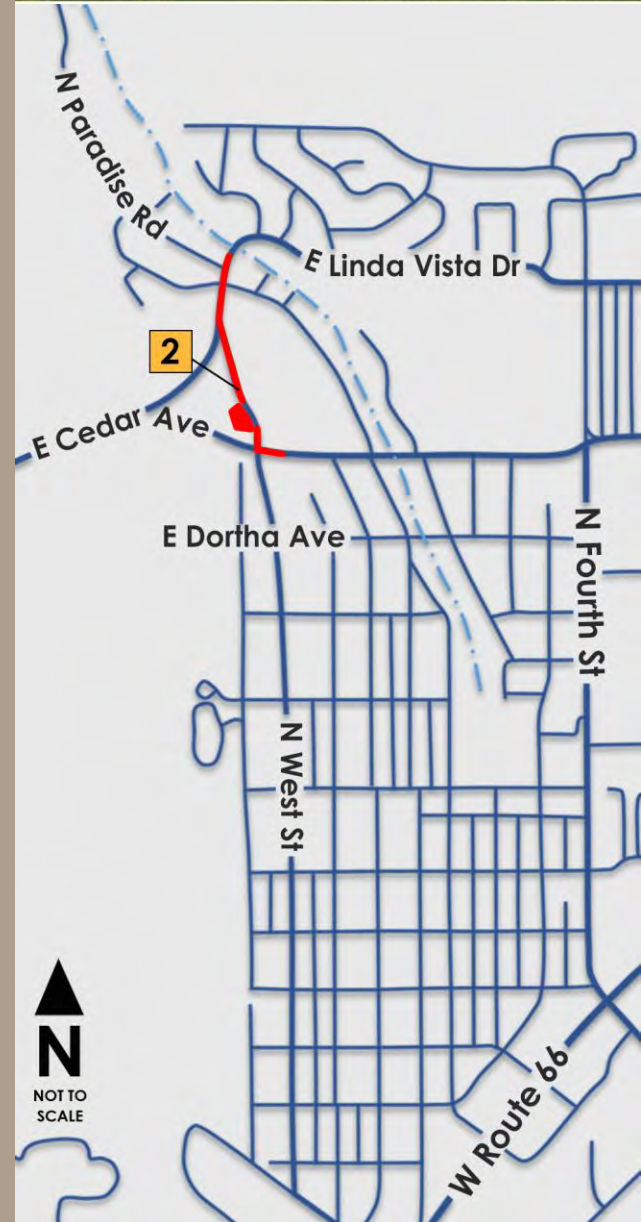
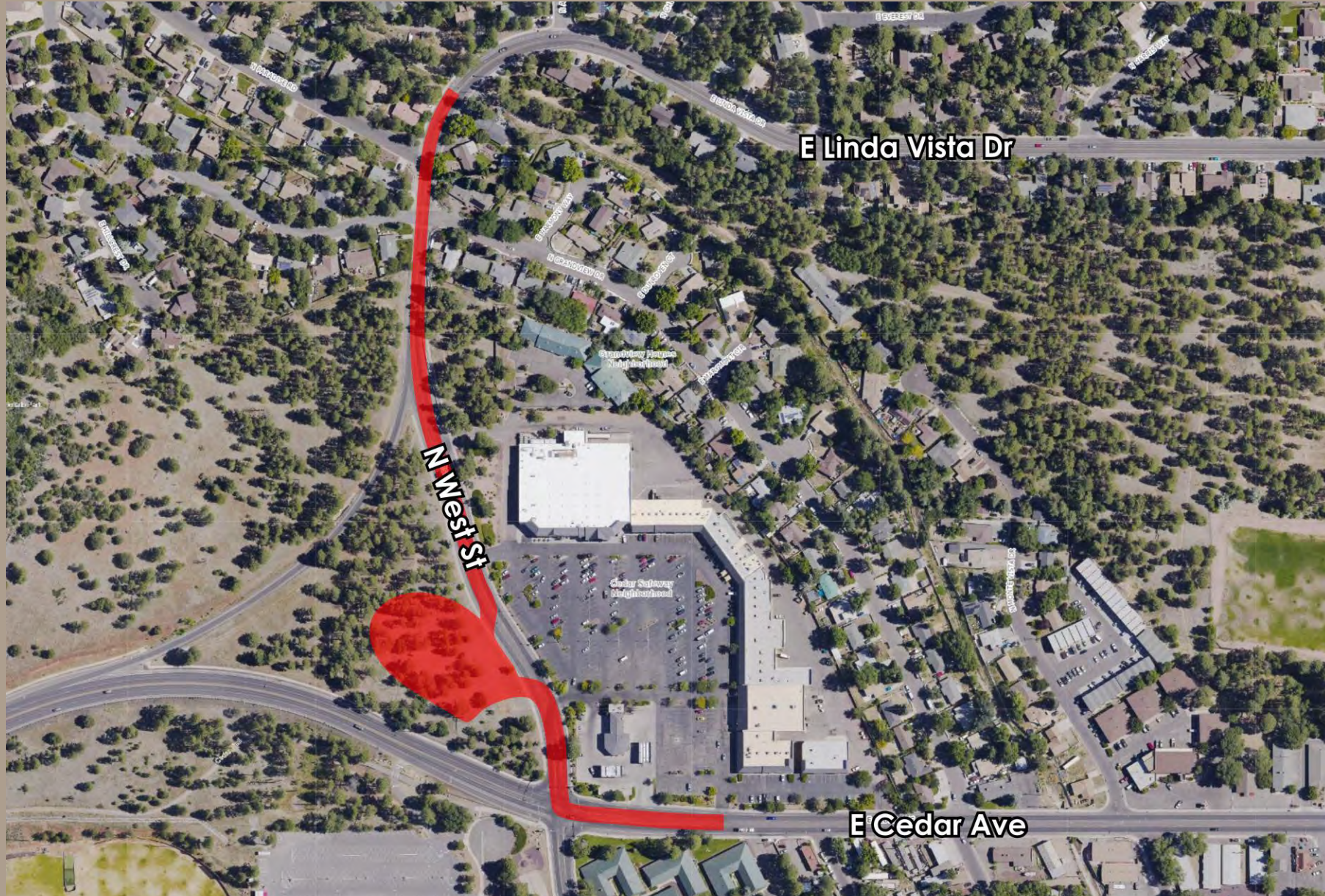


Future Improvements





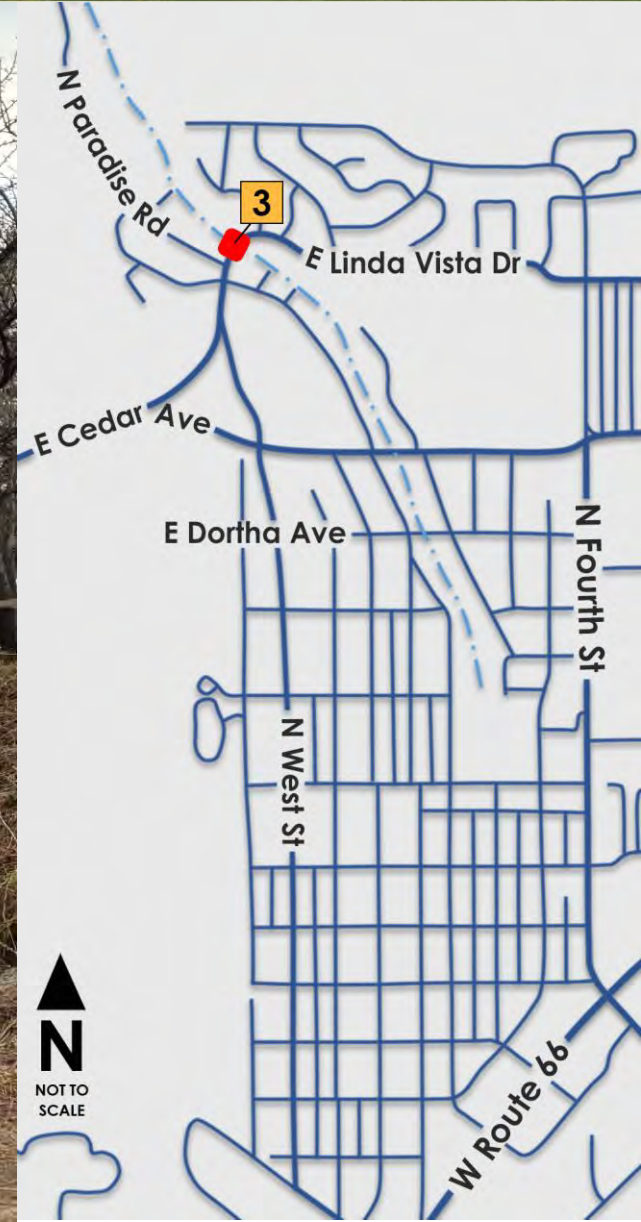
"The Wedge" Detention Basin





Linda Vista Crossing

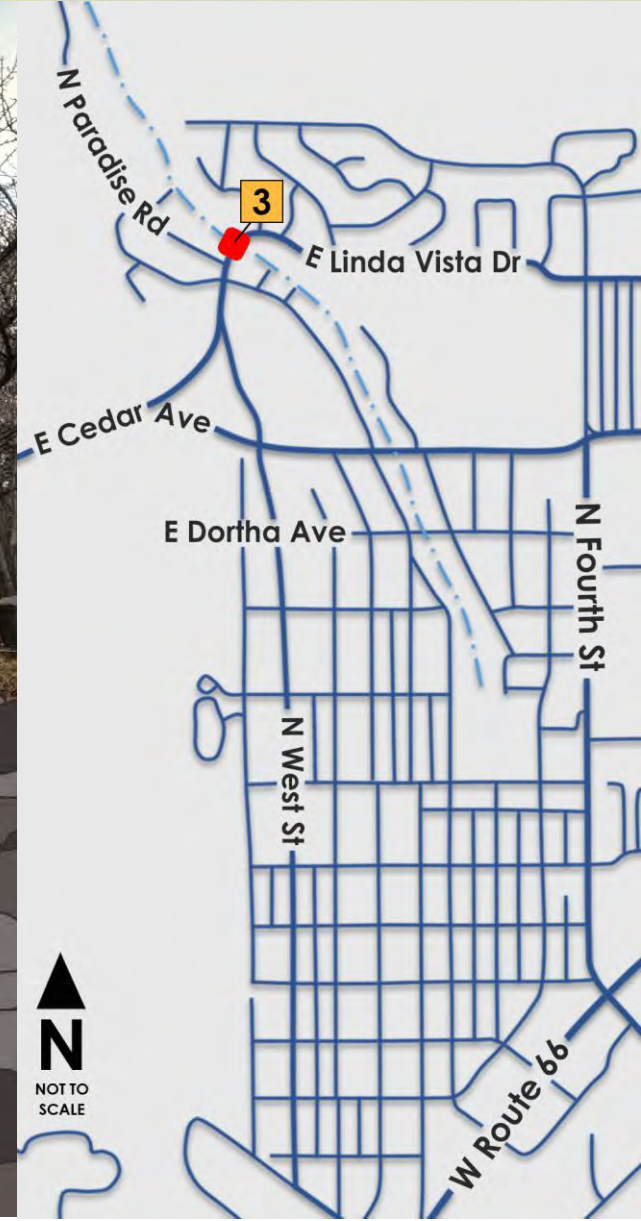
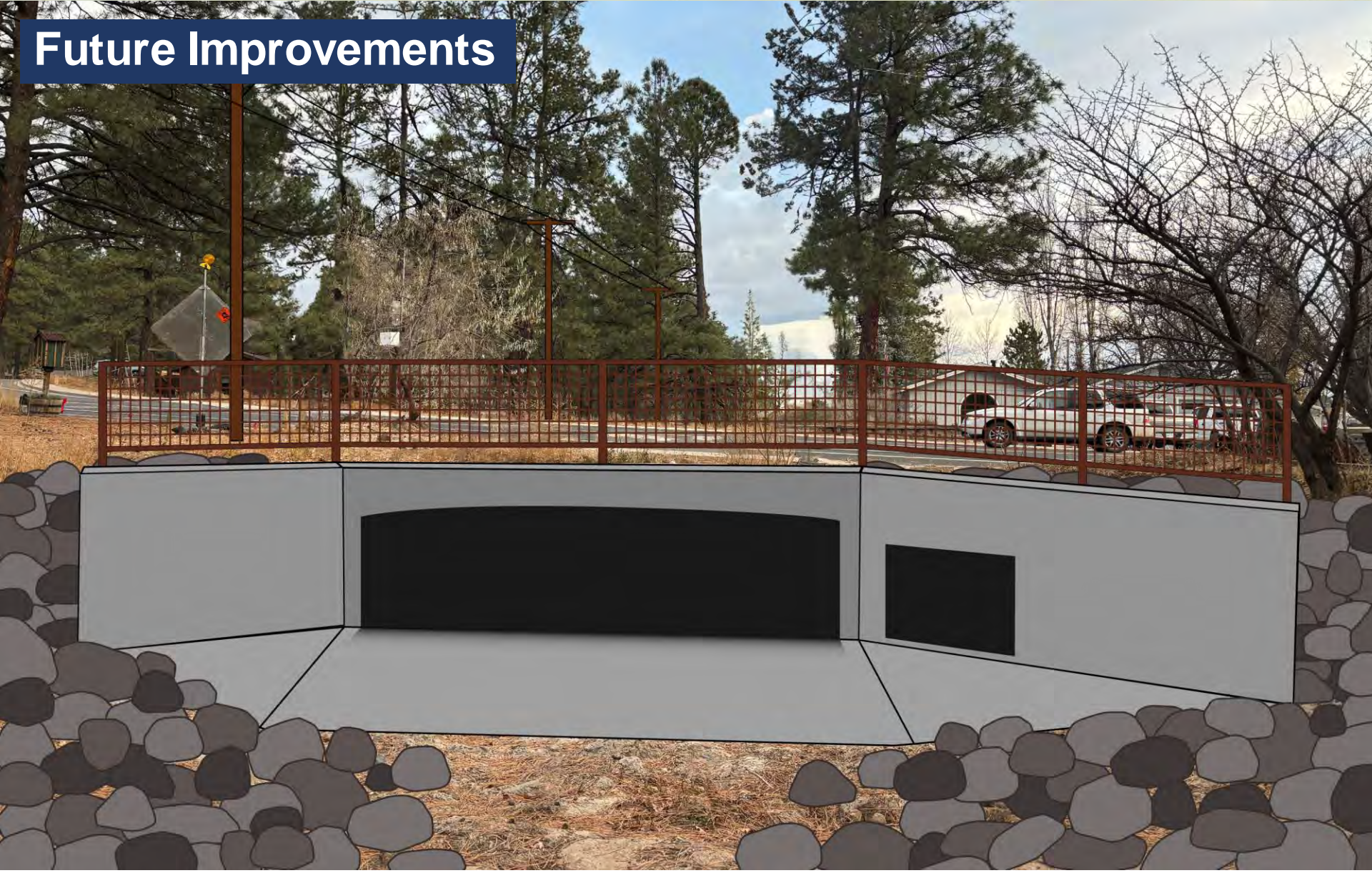
Current Conditions





Linda Vista Crossing

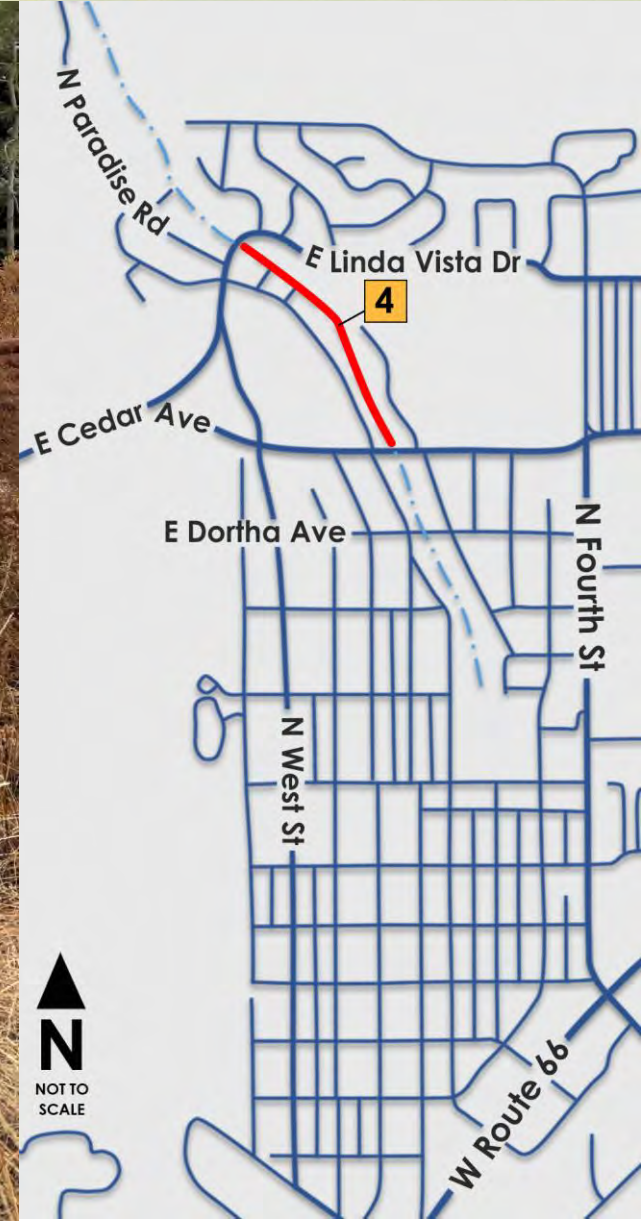
Future Improvements





Linda Vista to Cedar Channel

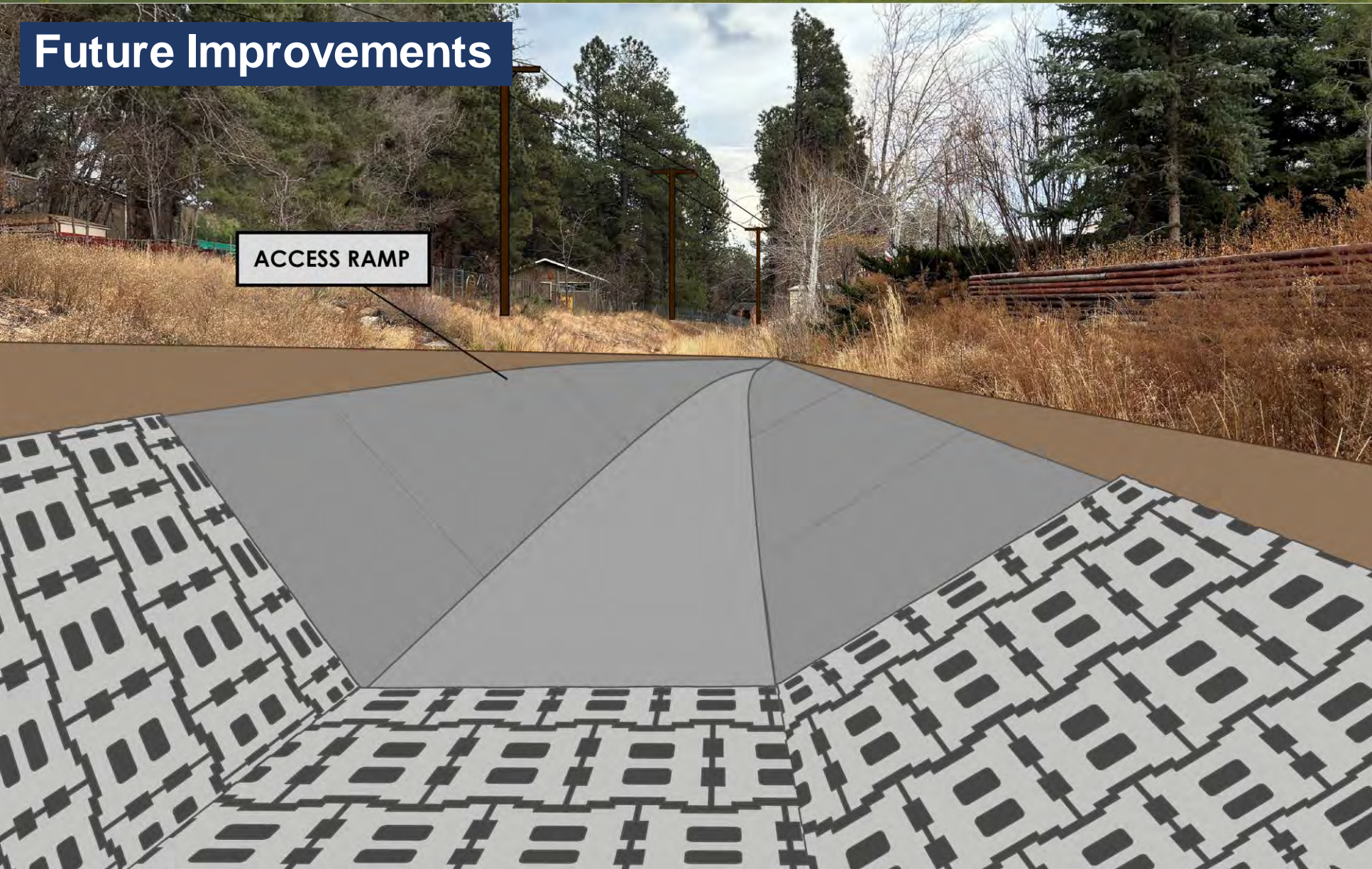
Current Conditions



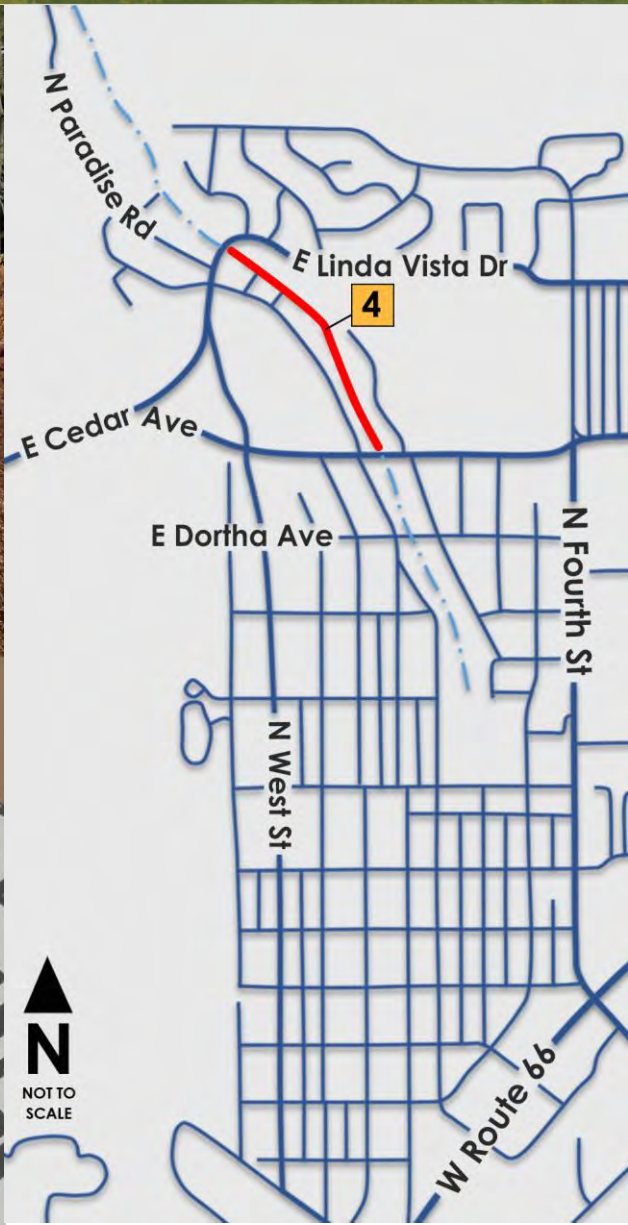


Linda Vista to Cedar Channel

Future Improvements



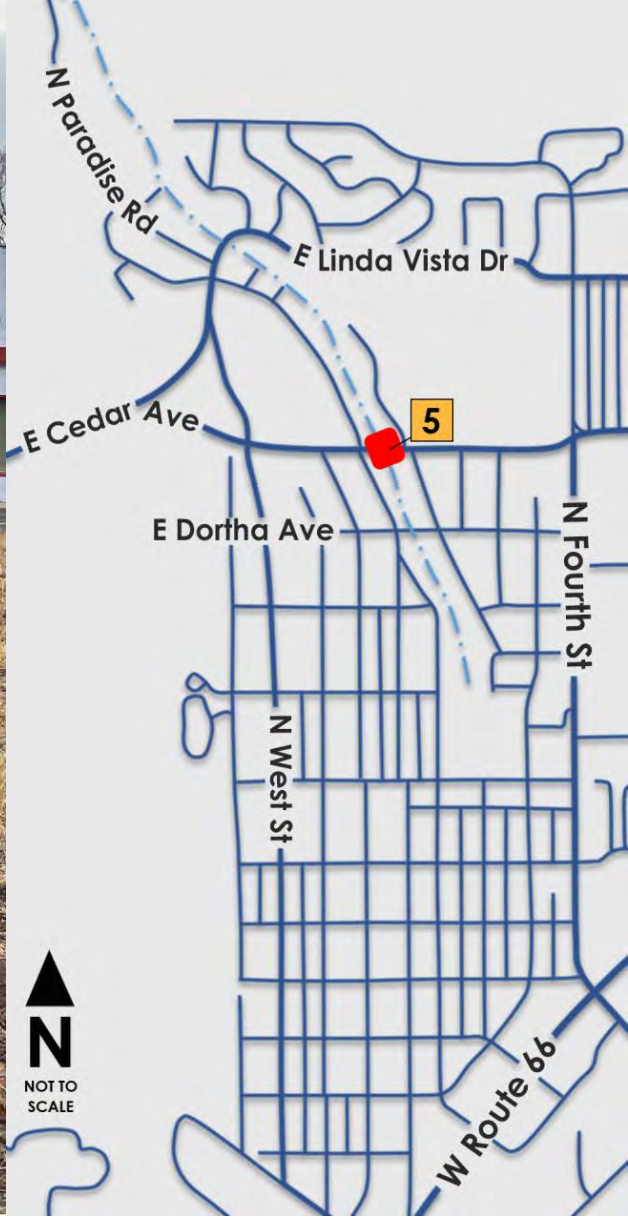
ACCESS RAMP





Cedar Avenue Crossing

Current Conditions

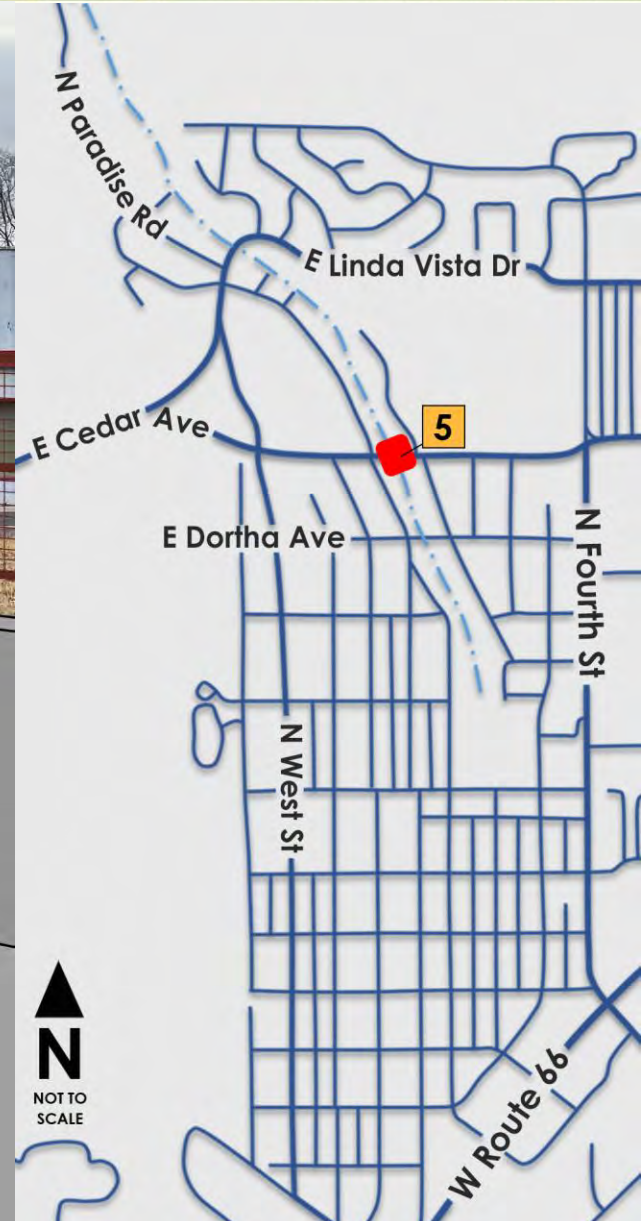




Cedar Avenue Crossing

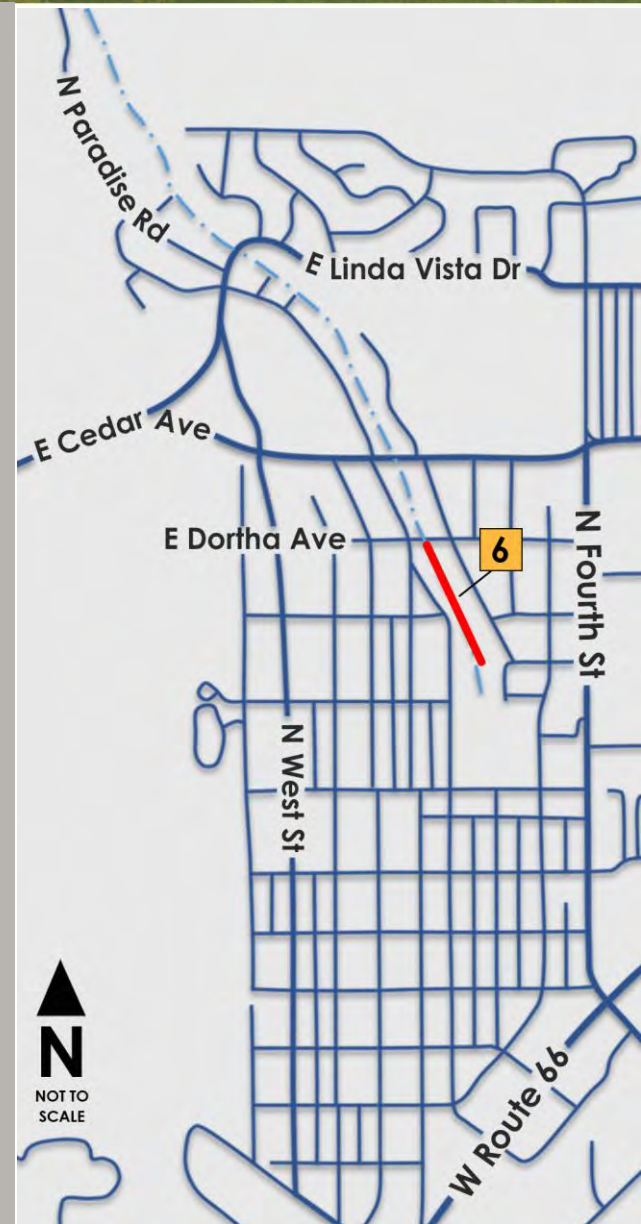
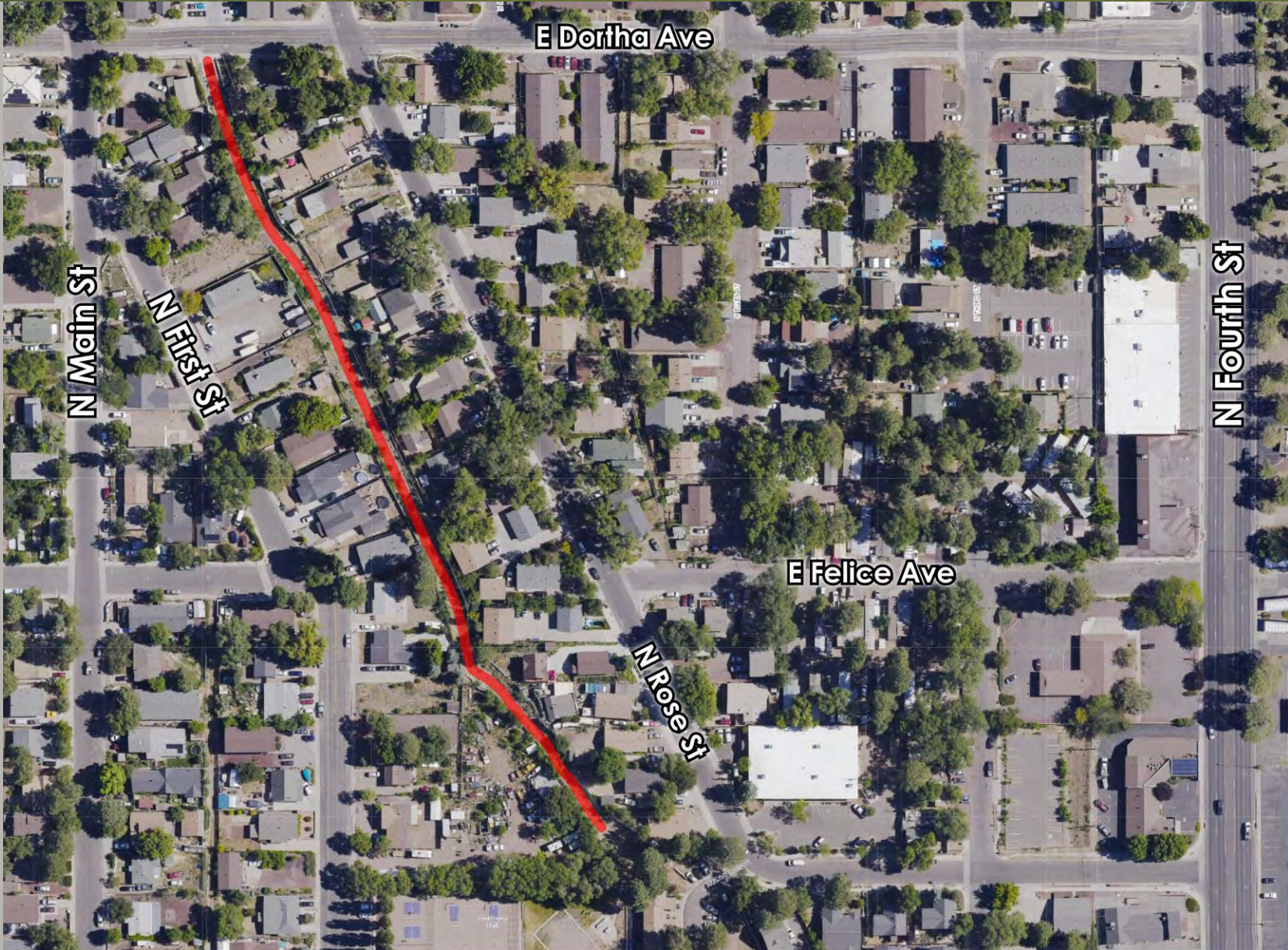


Future Improvements



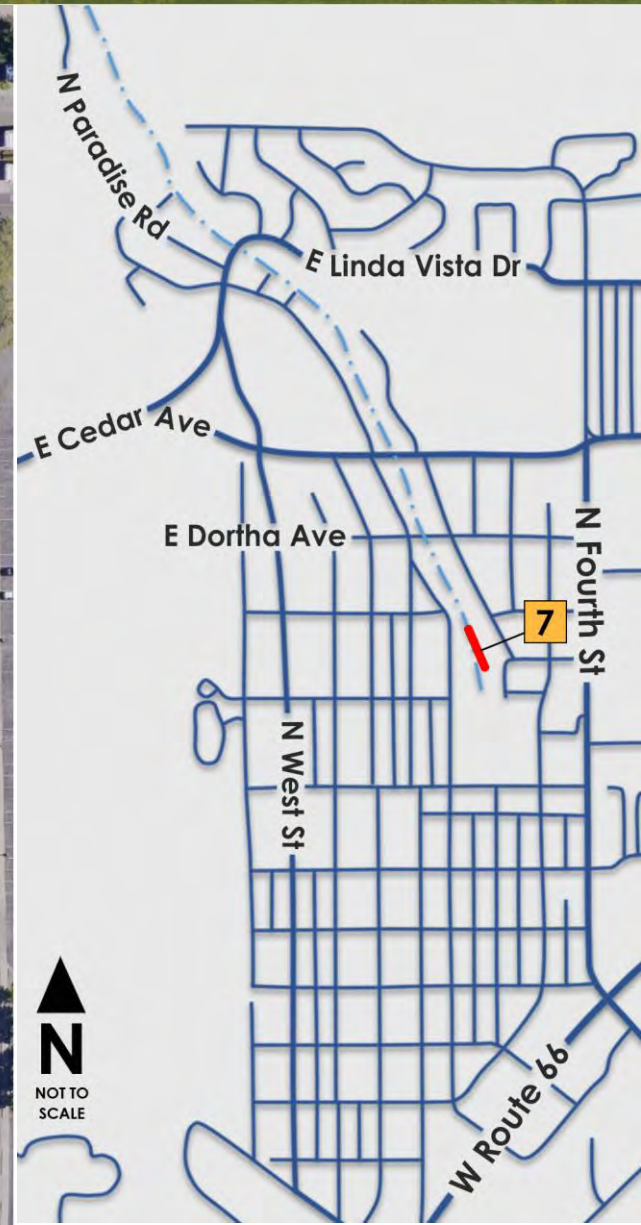
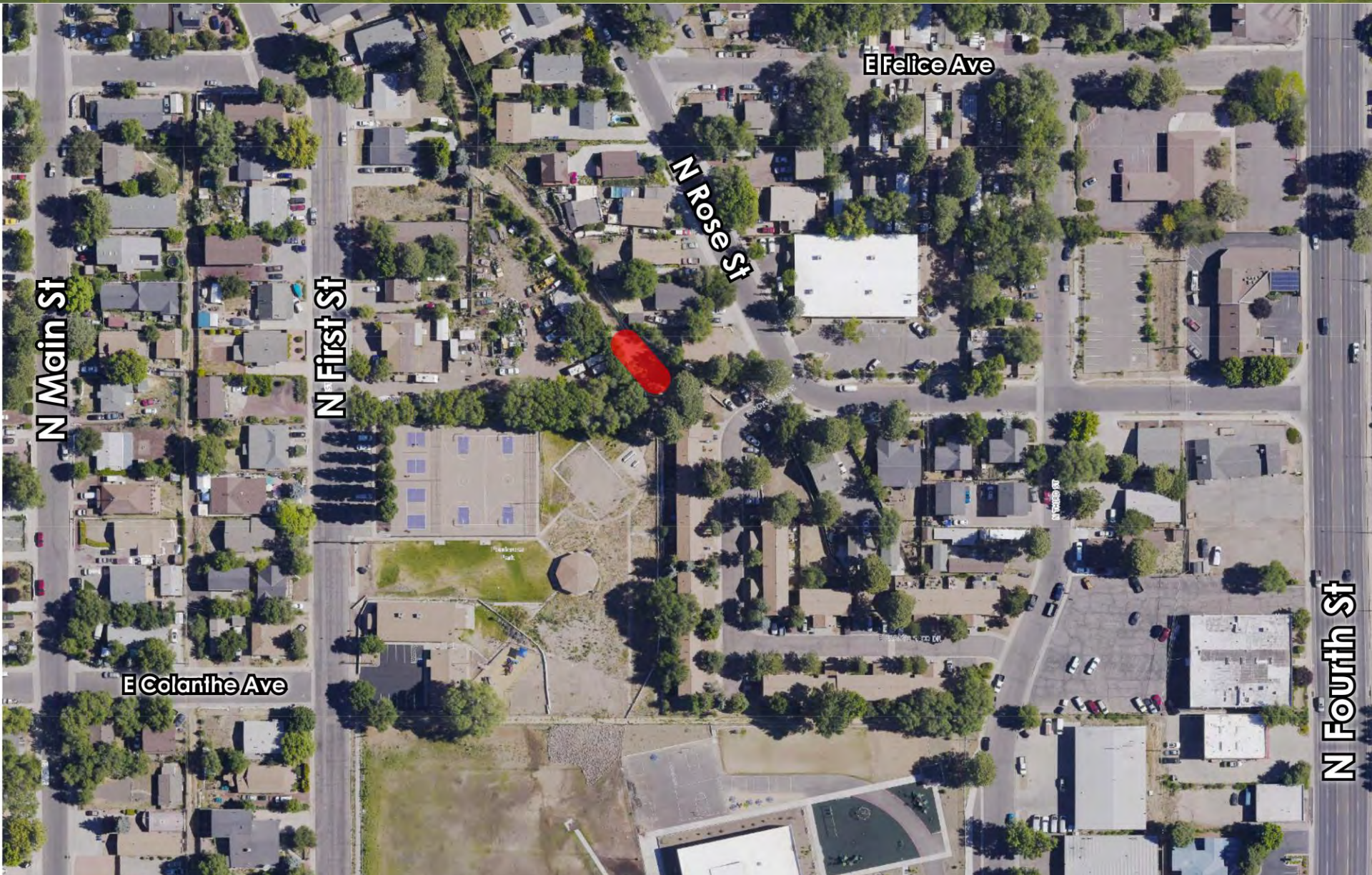


Arroyo Seco to Dortha Channel



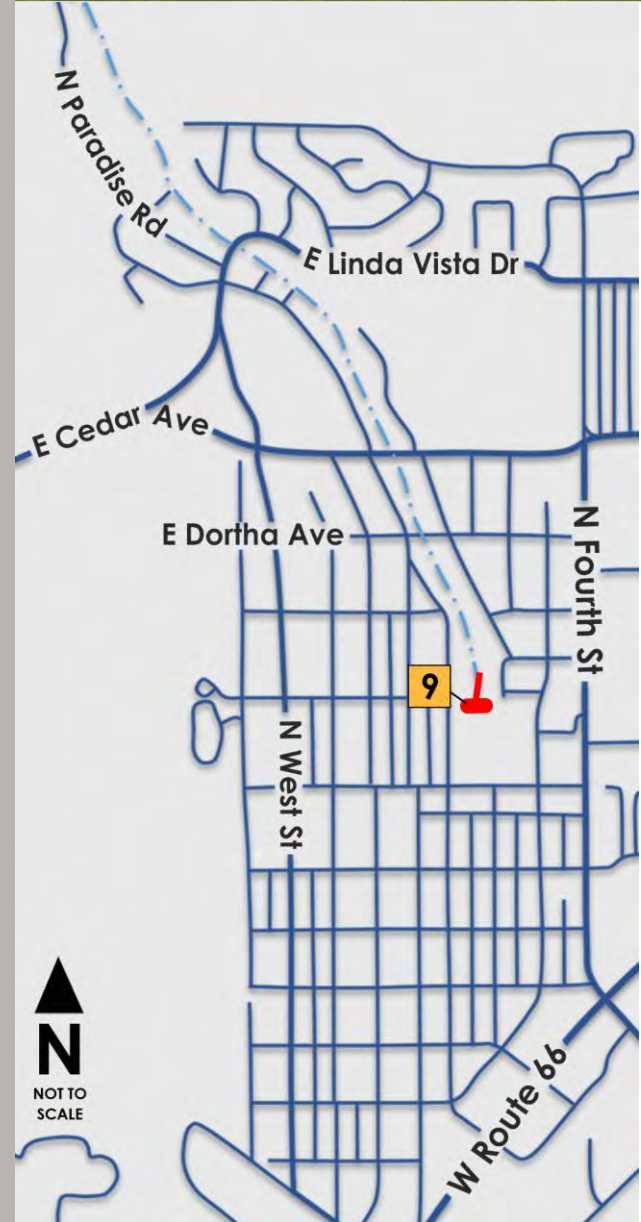


Arroyo Seco Drive Inlet





Killip Basins Inlet

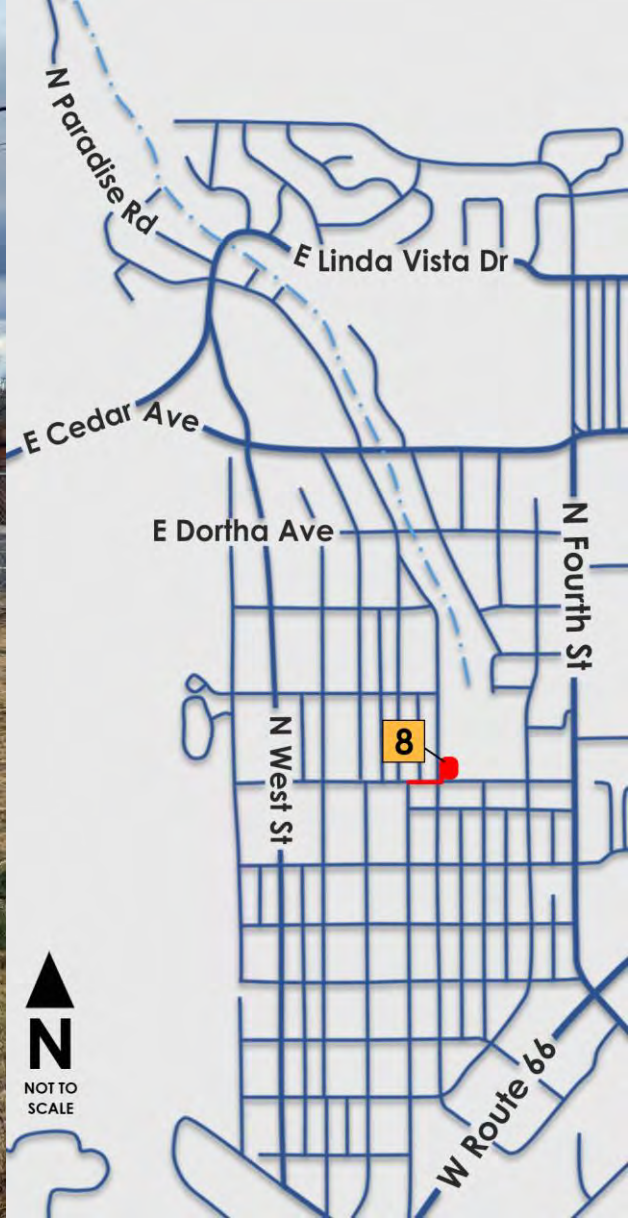




Killip Basins Outlet



Future Improvements

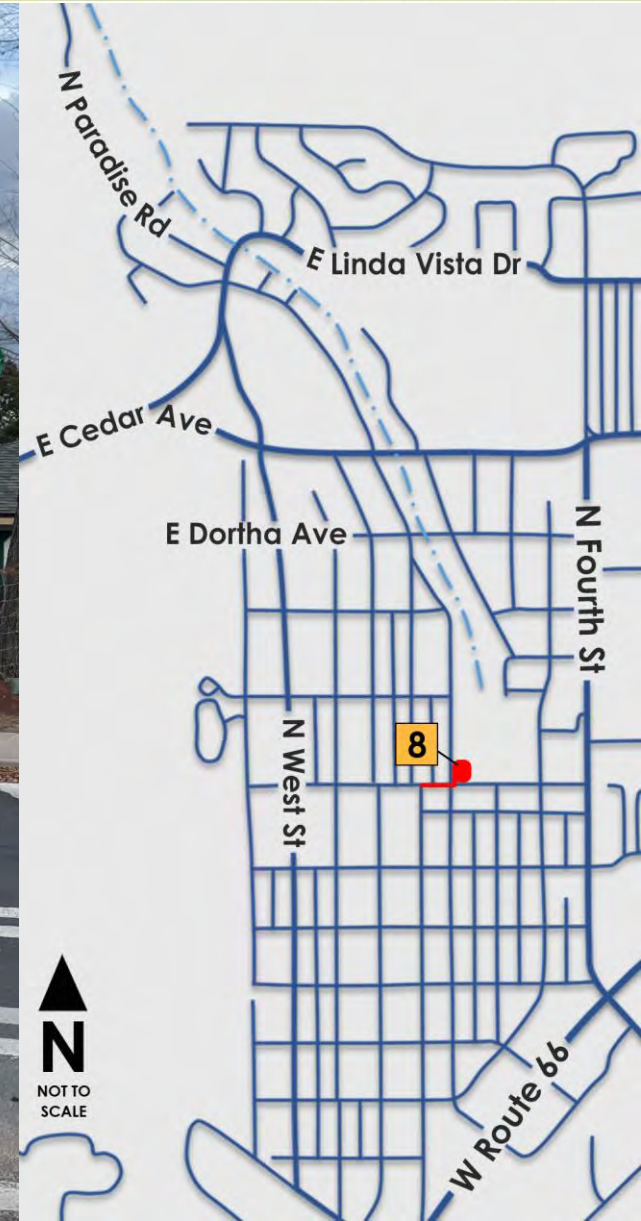




Killip Basins Outlet



Future Improvements

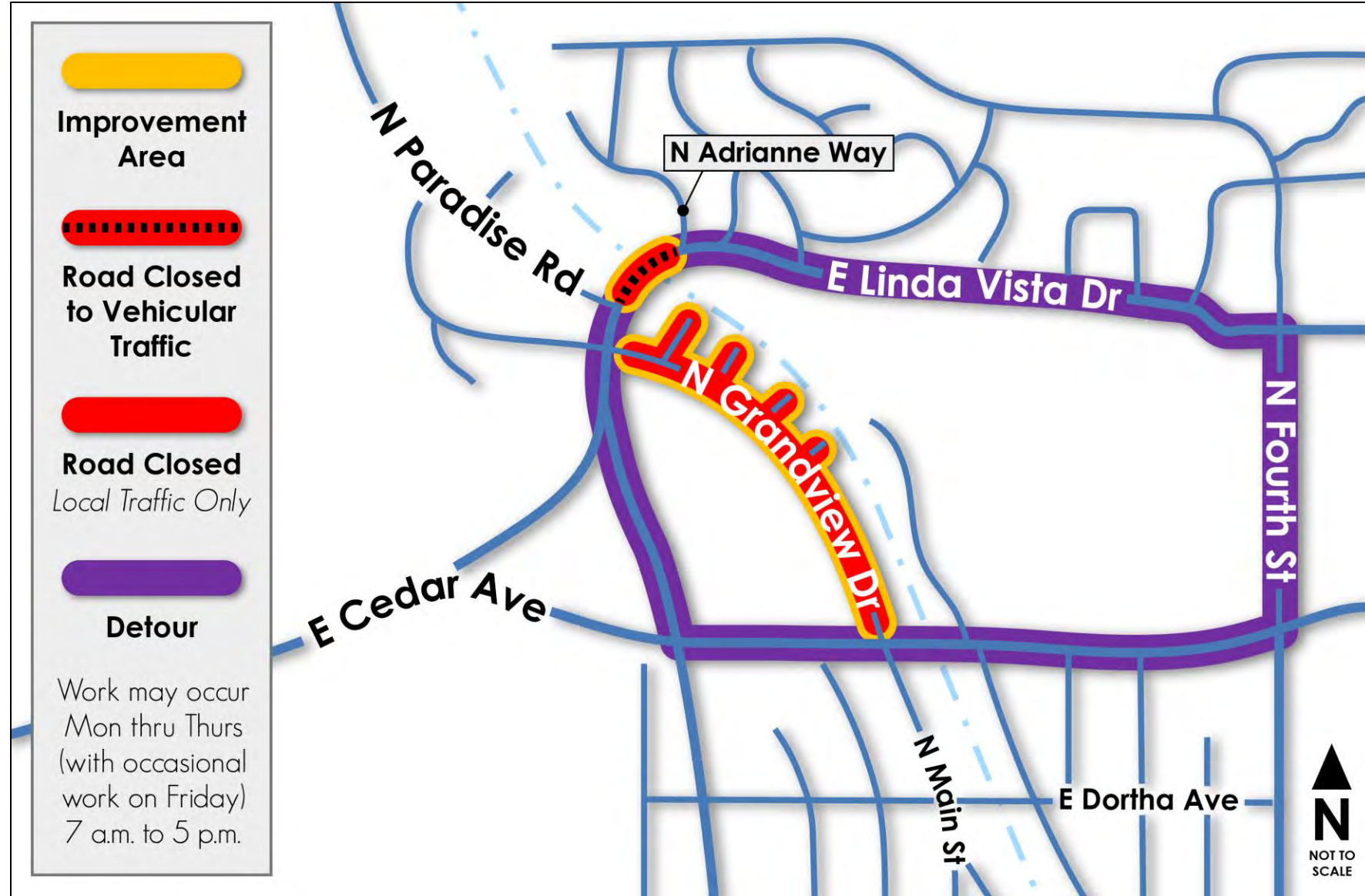




Construction impacts

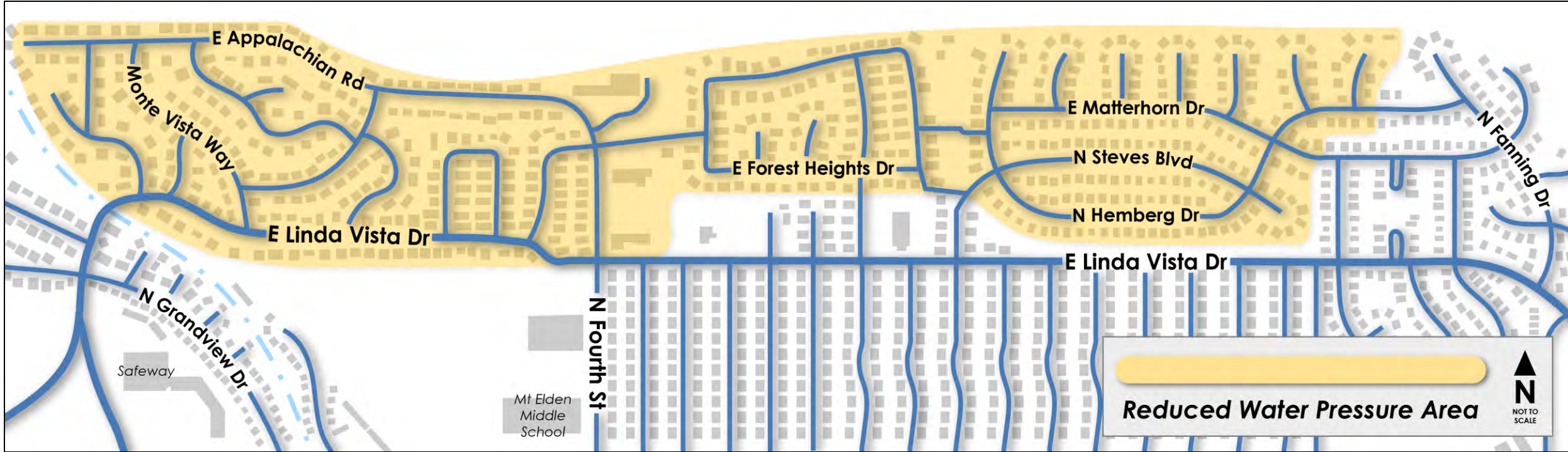


- Linda Vista road closure
- March 2024 – Spring 2025
- Impacts from multiple projects, including
 - Linda Vista Crossing
 - Linda Vista to Cedar Channel
 - Grandview Drive Reconstruction
 - "The Wedge" Detention Basin





Construction impacts



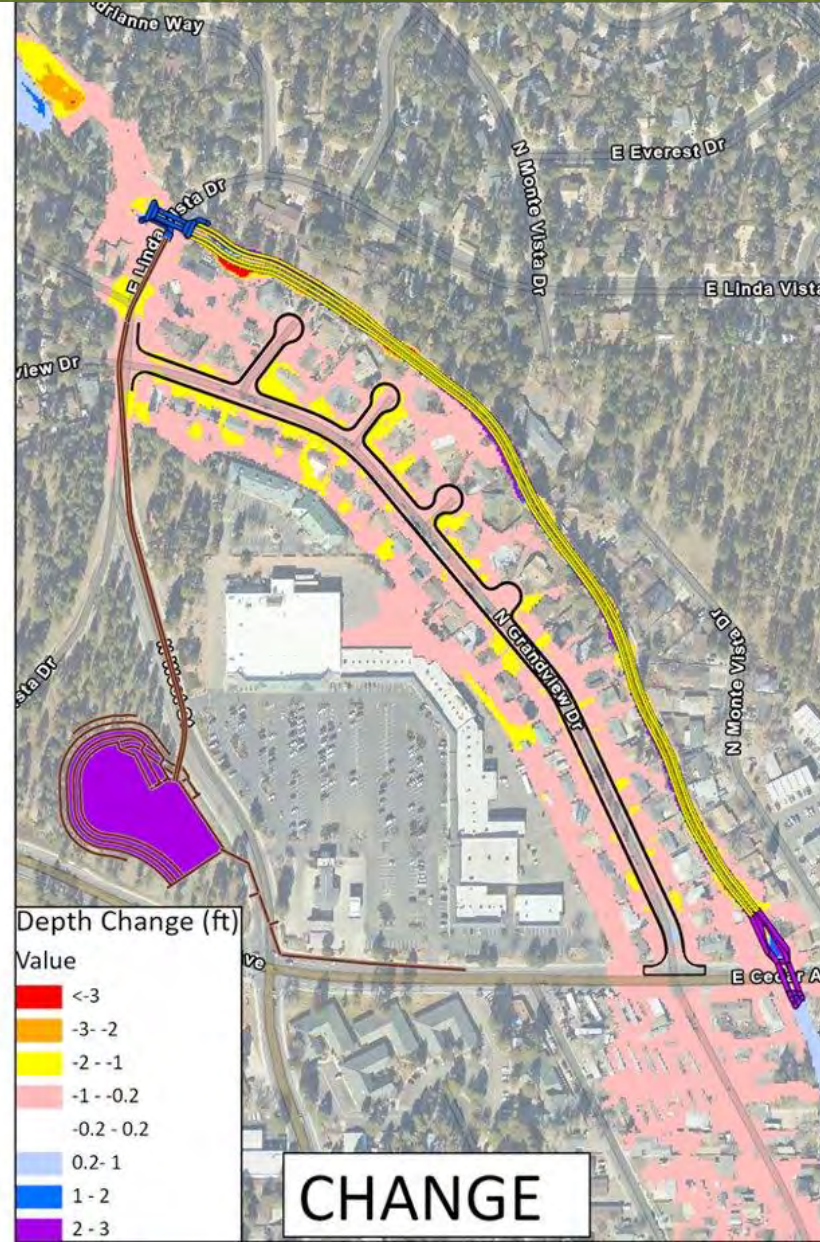
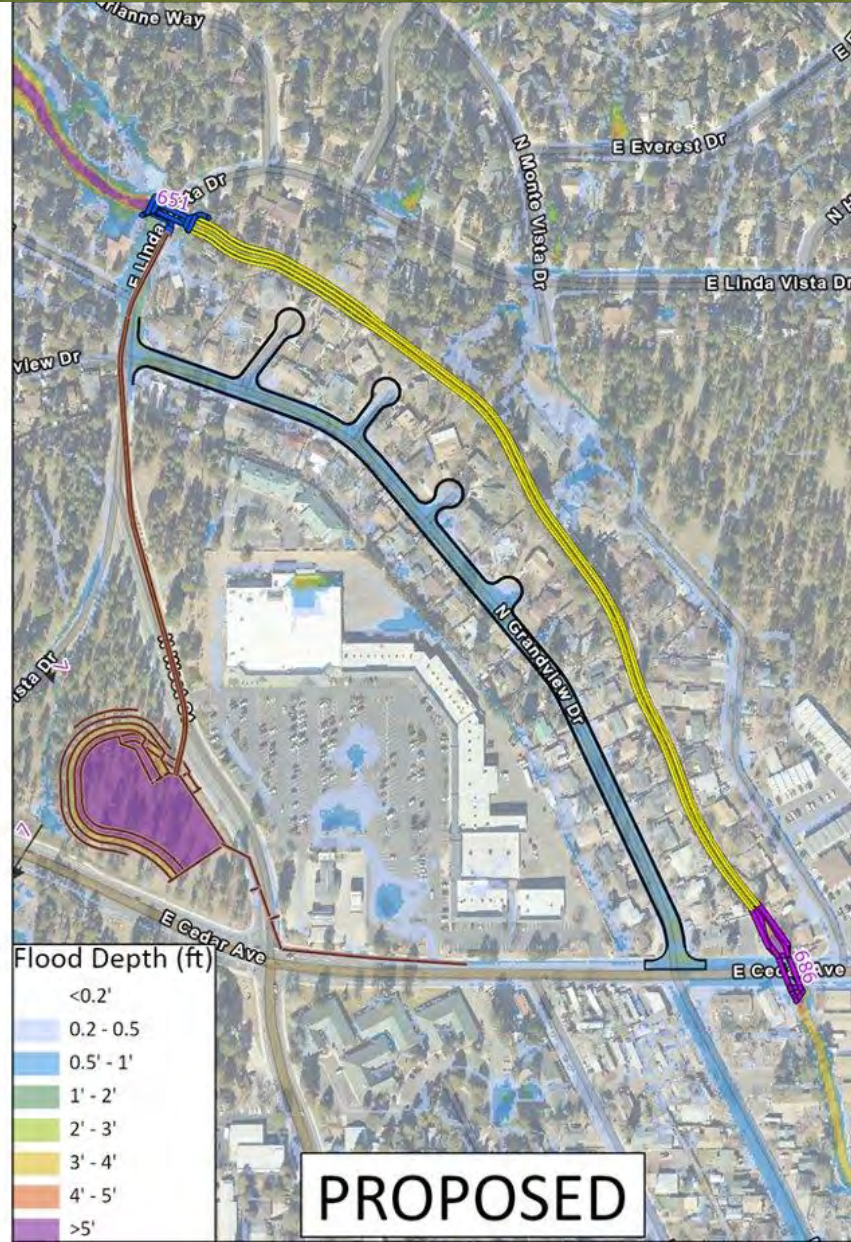
- Reduced water pressure
- April/May 2024
- Notices distributed prior to impacts

Spruce Wash Modeling



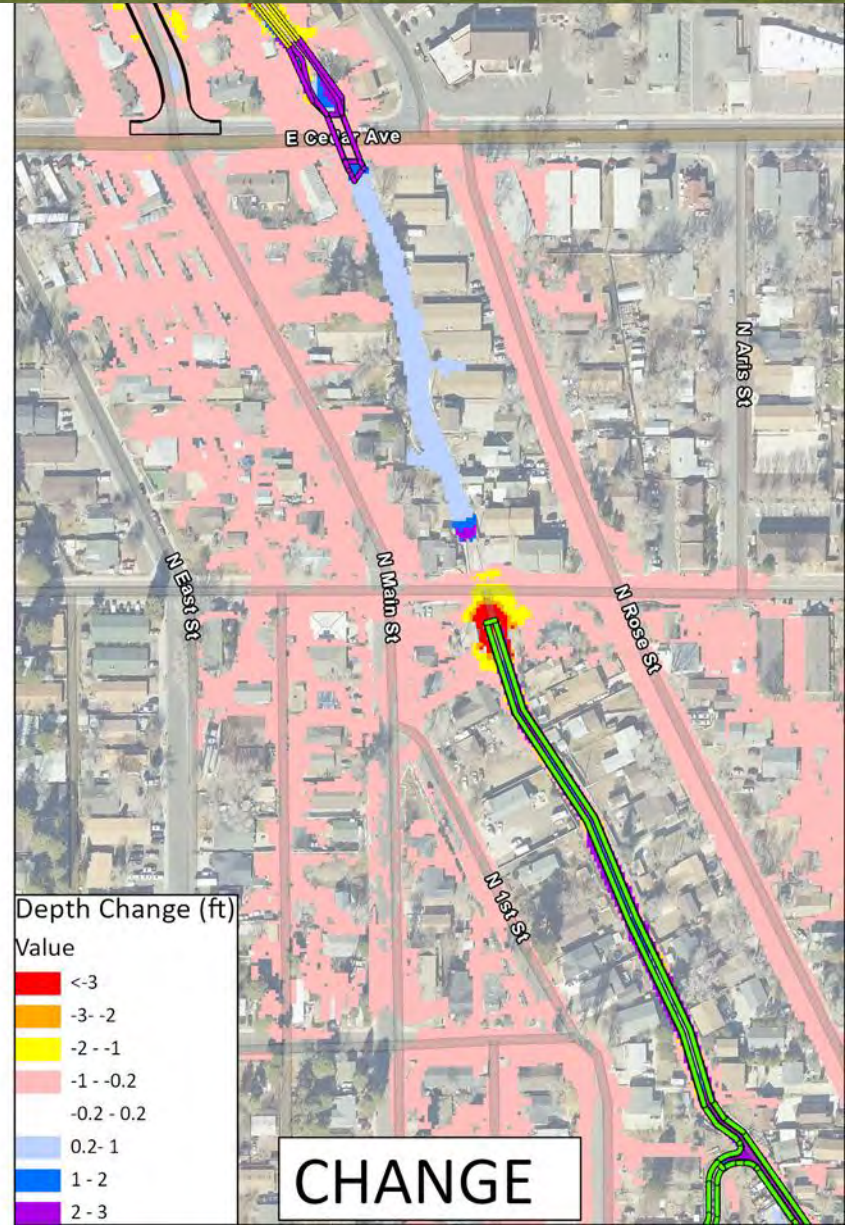


Draft modeling results - 2" storm





Draft modeling results - 2" storm



Flood Depth (ft)

<0.2'
0.2 - 0.5
0.5' - 1'
1' - 2'
2' - 3'
3' - 4'
4' - 5'
>5'

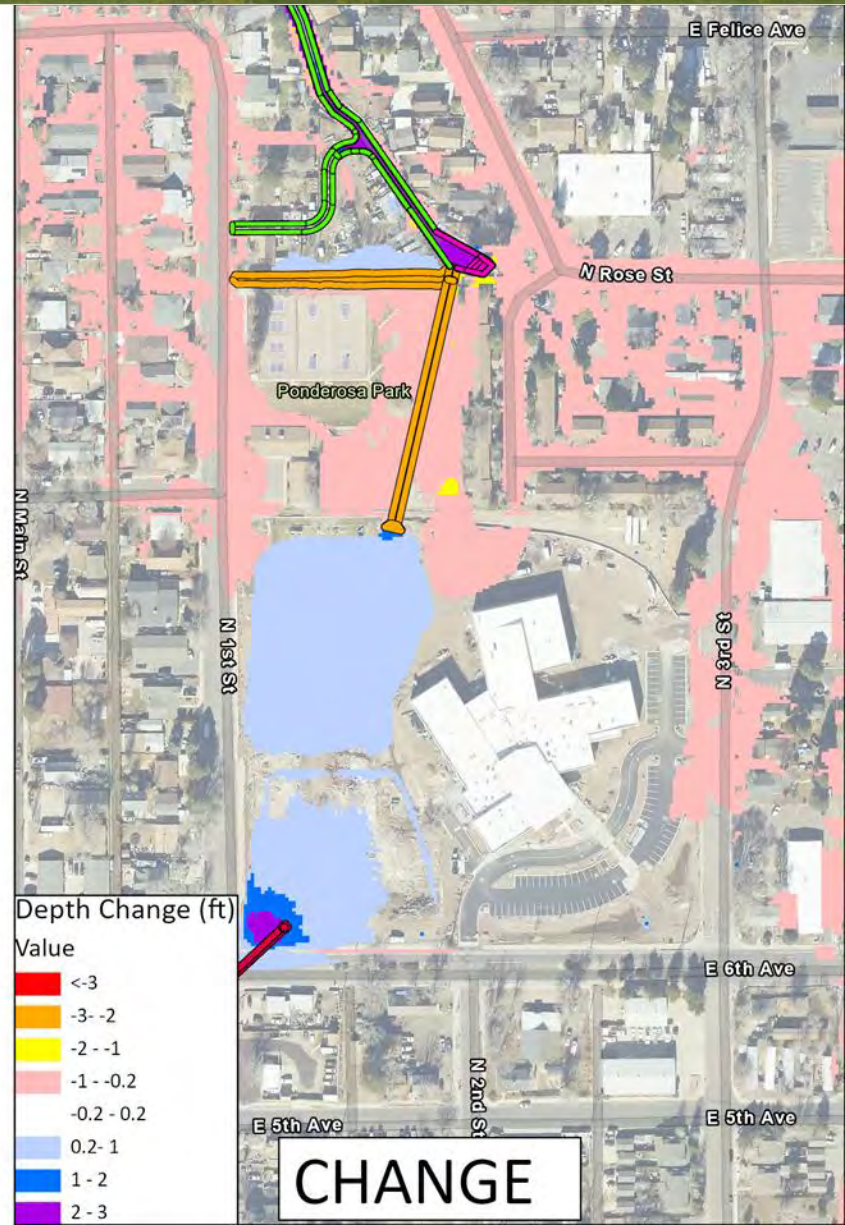
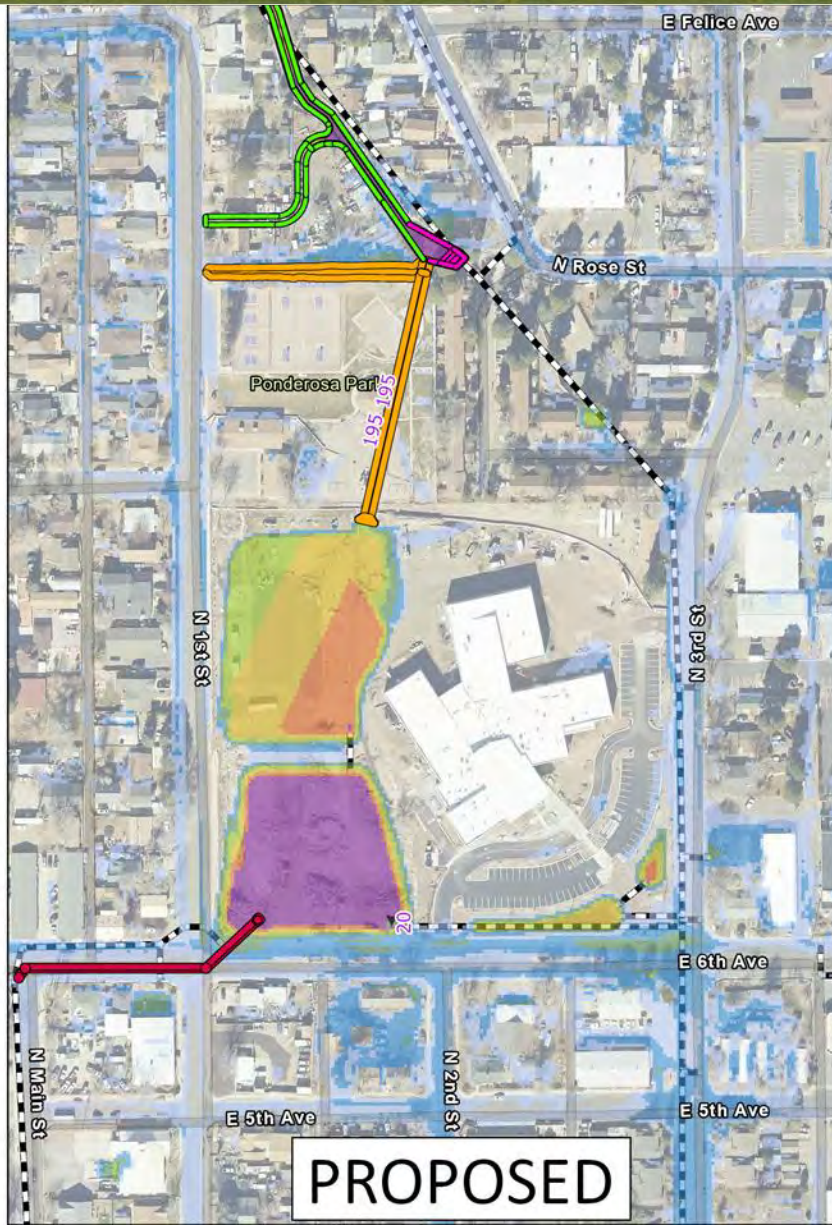
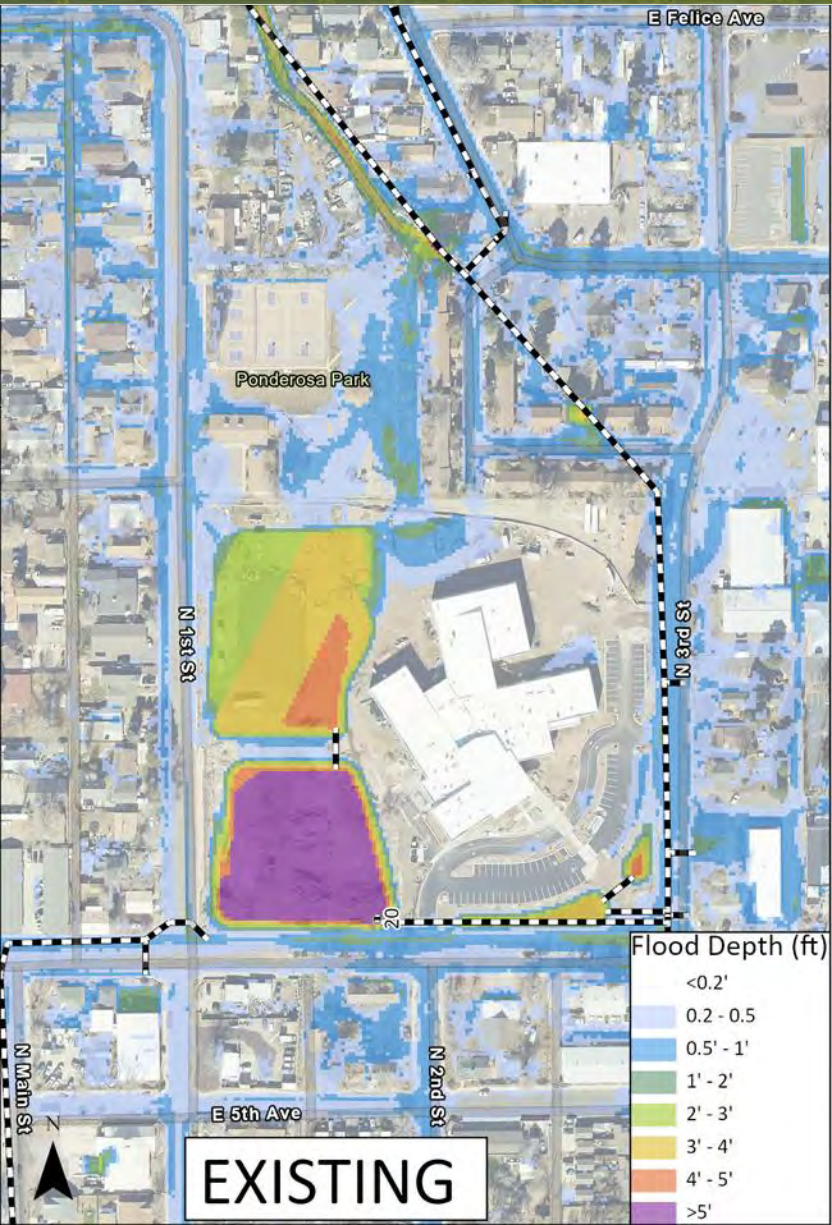
Depth Change (ft)

Value

<-3
-3 - -2
-2 - -1
-1 - -0.2
-0.2 - 0.2
0.2 - 1
1 - 2
2 - 3

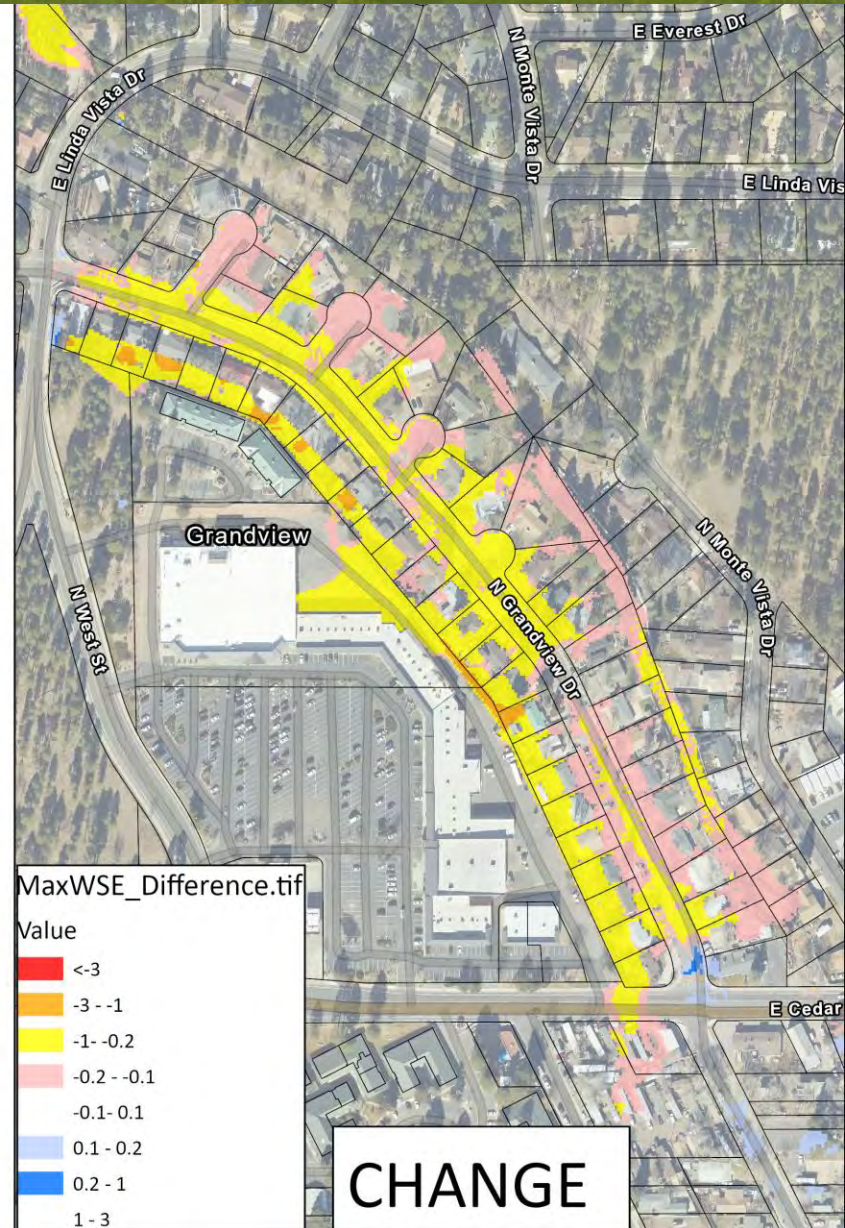
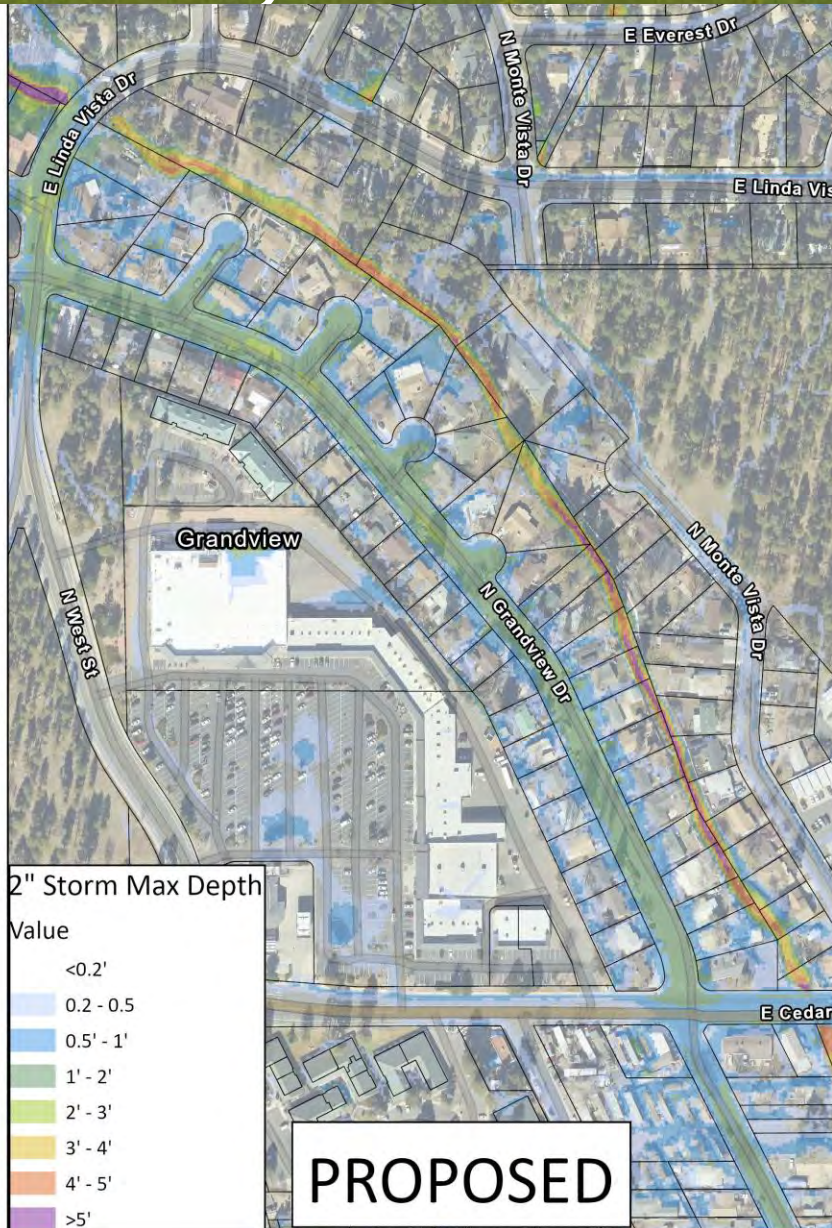
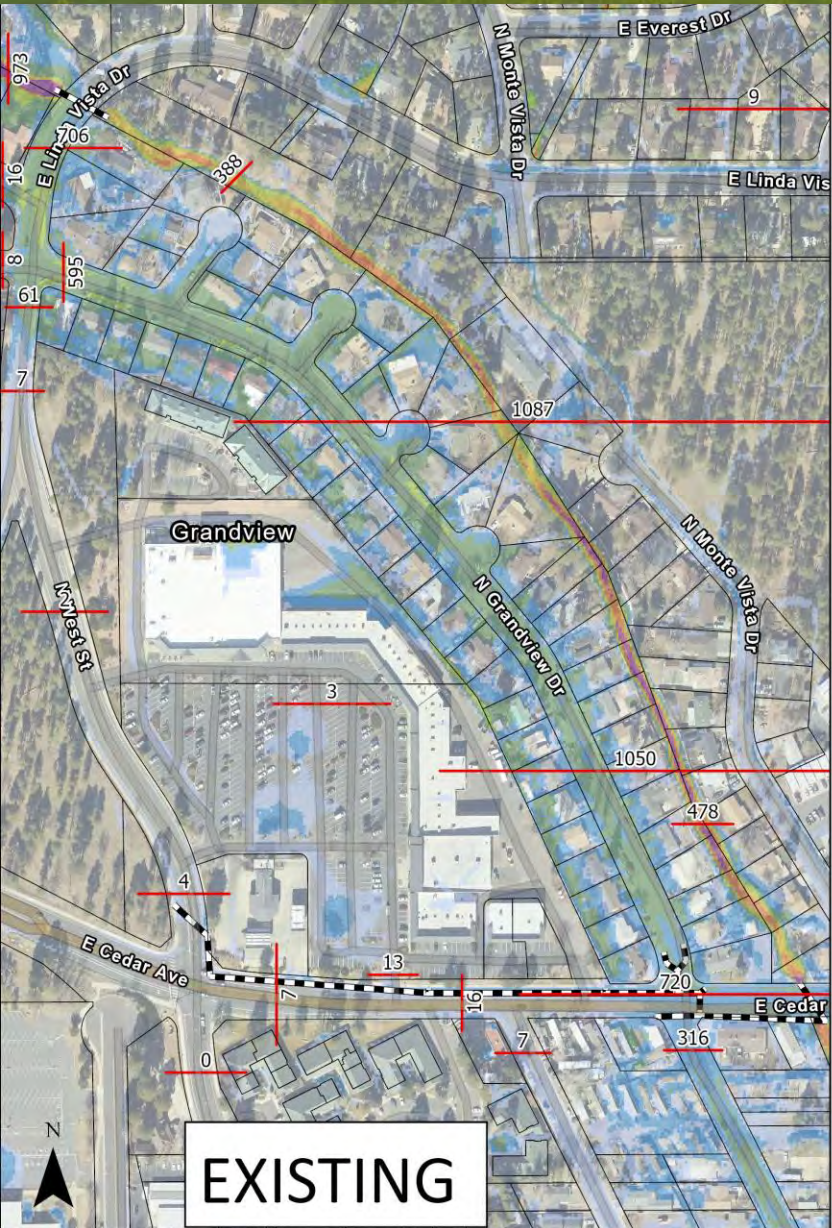


Draft modeling results - 2" storm





Interim condition – Grandview Drive Reconstruction Project





Short-term mitigations – Spruce Wash

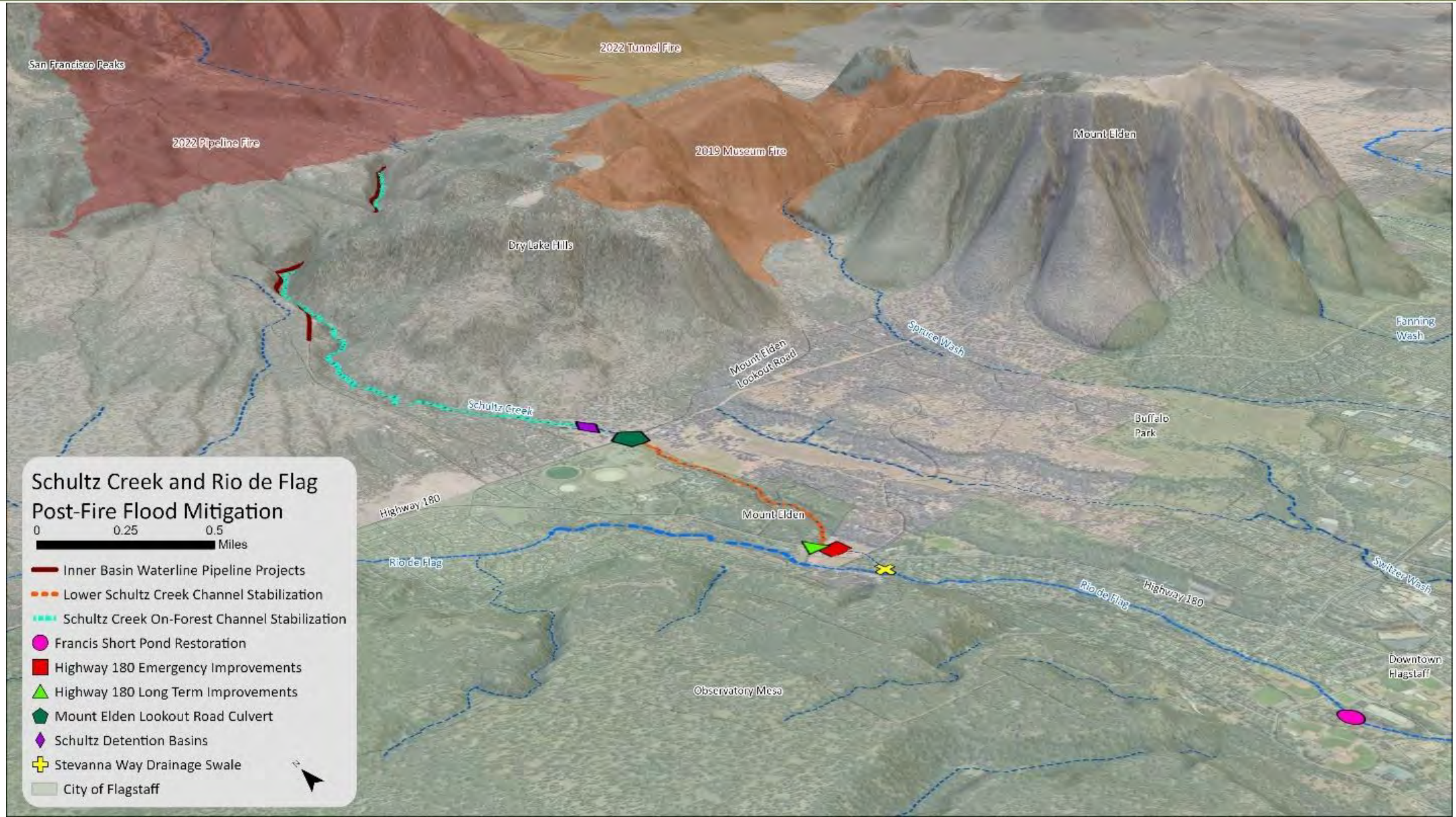
- Grandview residents
 - The interim condition will be valid for 1-2 years (until the full suite of projects is complete)
 - Residents can view the interim condition map during the breakout session
 - During construction, crews will be removing sandbags along the roadway edge of Grandview and will not be reinstalling them
 - It is advised to mitigate to the interim condition map
 - Please call the service request line at 928-213-2102 for an engineering assessment or to request sandbags
 - Sandbags should only be placed close to the home, not along the roadway
- Residents south of Grandview
 - No changes are recommended at this time
 - Only damaged outward-facing sandbags need to be replaced
 - Self-fill sandbags are available at Aztec St (Thorpe Park near Frances Short Pond)

Schultz Creek





System of Improvements



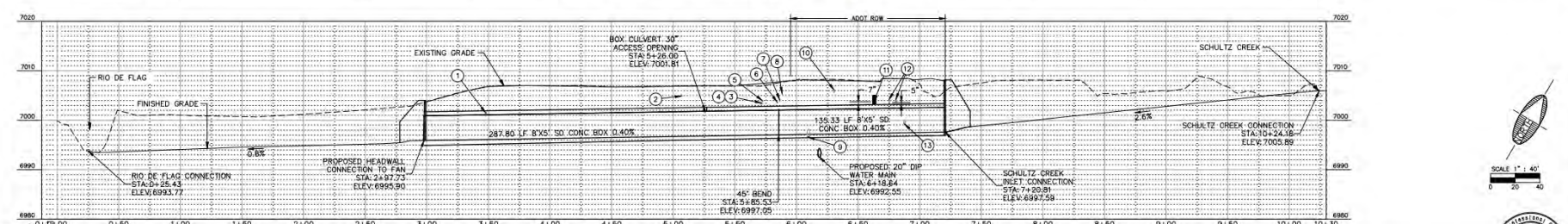


Schultz Creek Long Term Mitigation



Highway 180 culvert

- ~\$7M
- Fully funded by S.B. 1720
- Will provide substantial flood relief to Stevanna Way and Coconino Estates
- Substantially complete by July 1, 2024





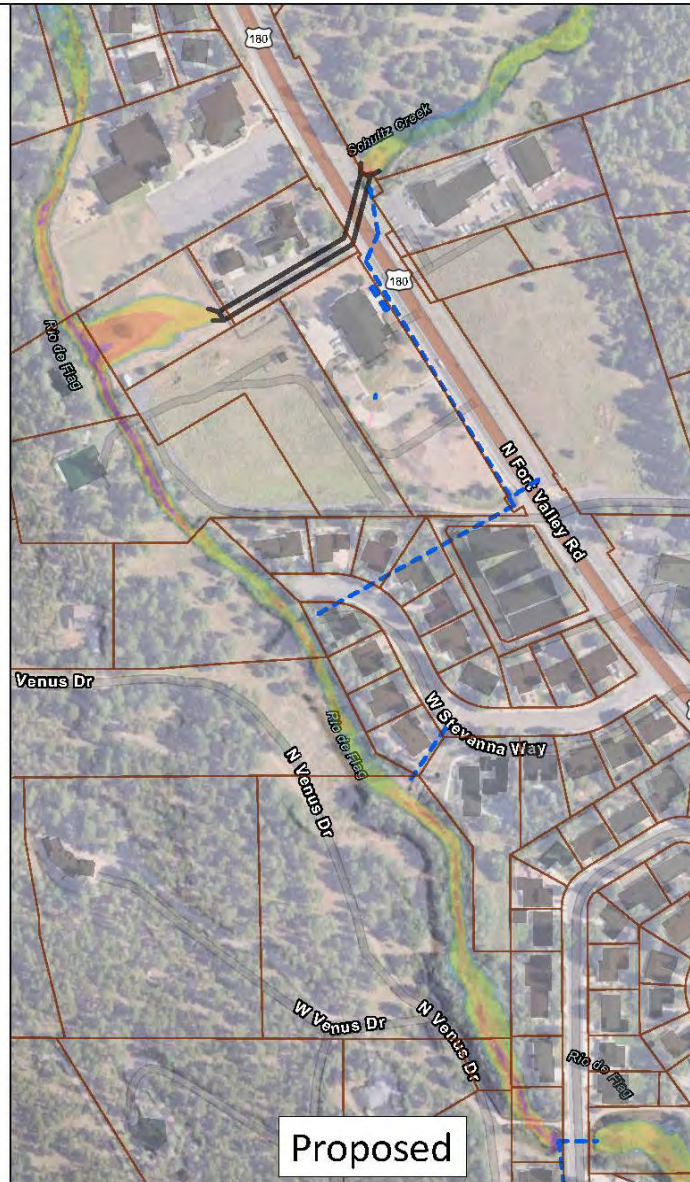
Highway 180 culvert

- Partners: SWI-Ardurra, Banicki Construction, Coconino County, Arizona Department of Transportation (ADOT)
- Thank You! State Legislature, Chamber of Commerce, Cornerstone Public Affairs (state lobbyists)



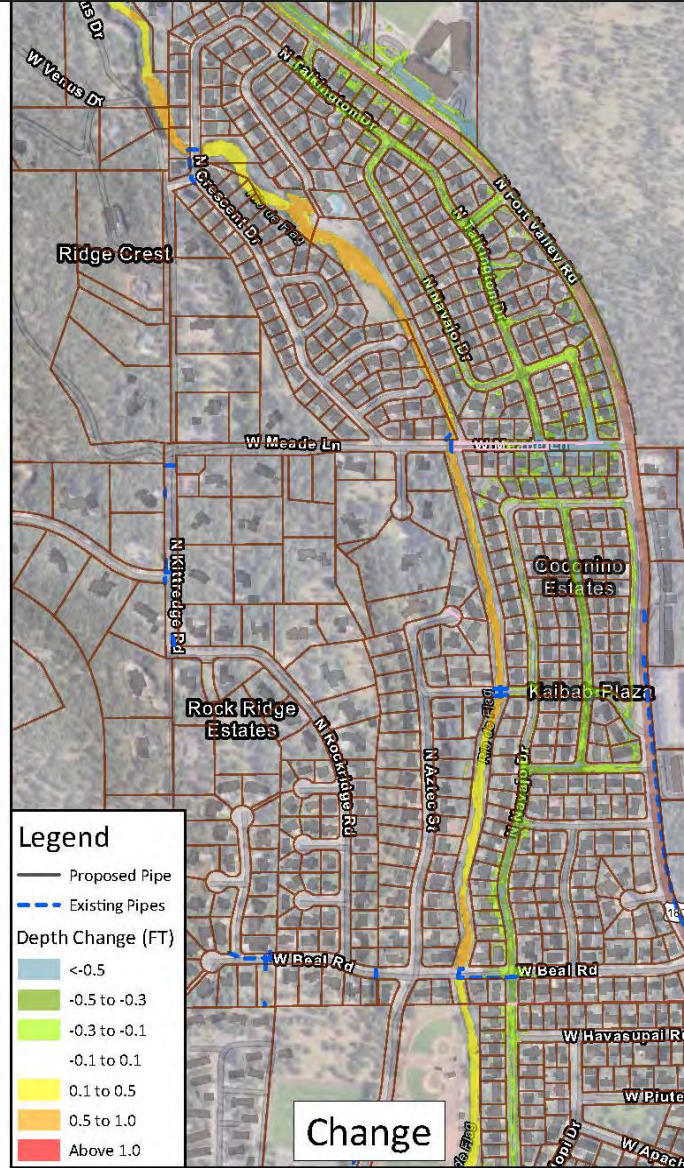
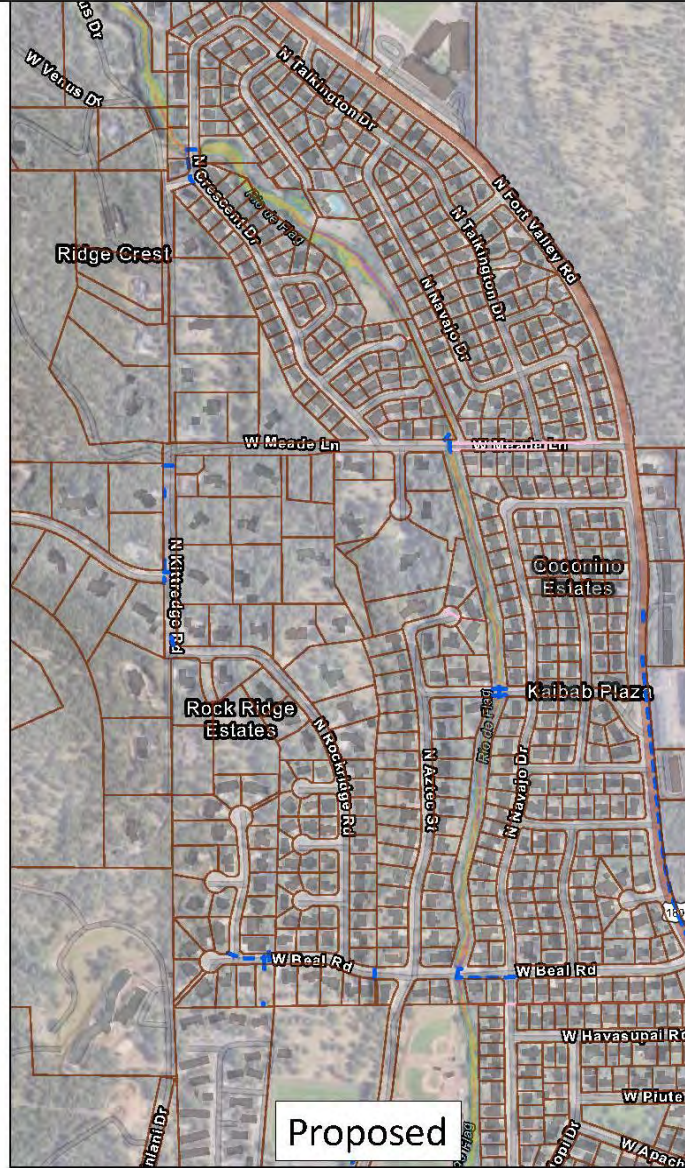
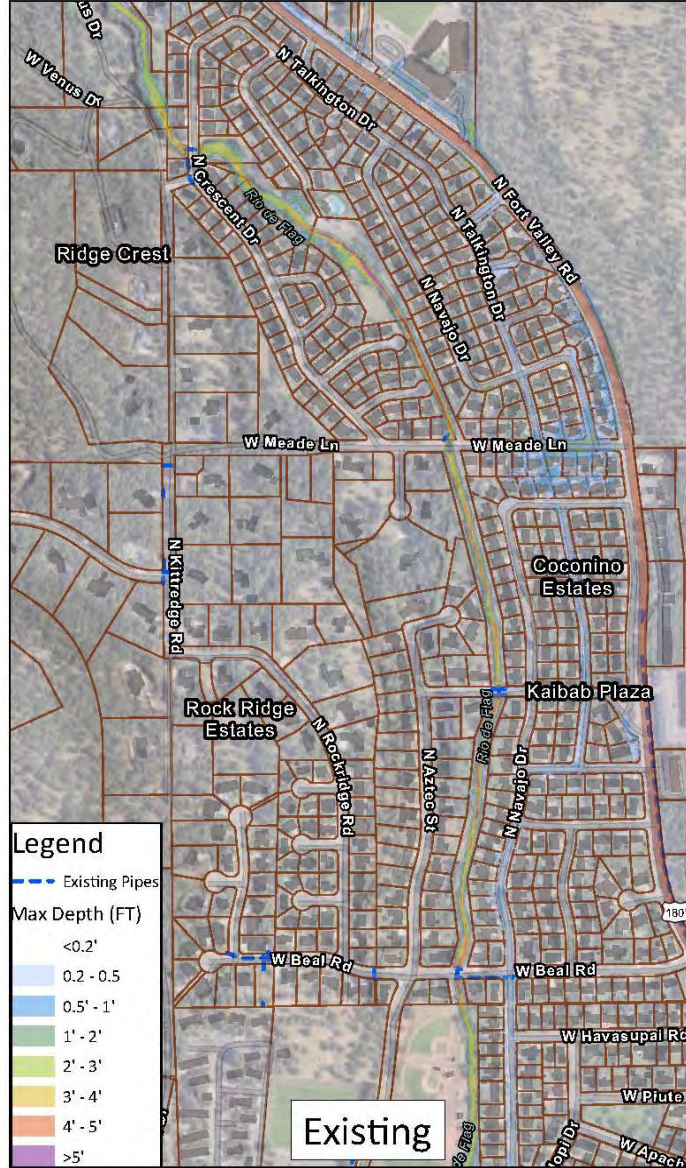


Schultz Creek Modeling





Schultz Creek Modeling





Short-term Mitigations – Schultz Creek



- City crews will be focused on flood response throughout monsoon season
- Limited assistance with removing sandbags will be available after monsoon season
- Sandbags can be found at Thorpe Park at the end of Aztec Drive near the Frances Short Pond.
- For those removing sandbags: good condition bags can be neatly dropped off at the Thorpe Park location.
- Clean sandbags can be neatly disposed of at the Thorpe Park location

2024 Monsoon Season Preparations





Purchase flood insurance

- Visit [fema.gov/flood-insurance](https://www.fema.gov/flood-insurance)
- Needs to be renewed annually
- Most homeowners insurance does not cover flood damage
- Flood insurance is a separate policy that can cover buildings, the contents in a building, or both.
- Flagstaff residents get a 25% discount automatically applied on NFIP policies





Flood prevention grants

- Visit flagstaff.az.gov/floodproof
- Property owners and renters can apply for grant funding for materials to protect their home
- Apply online or in person for a grant up to \$5,000 (options for upfront funding)
- Funding can be used to purchase **flood gates** for windows or doors, **sealants** for foundations, and **temporary flood barriers**
- Applications are processed on a rolling basis, utilizing a first-come, first-served approach, while funding lasts



Questions?

