

September 10, 2024

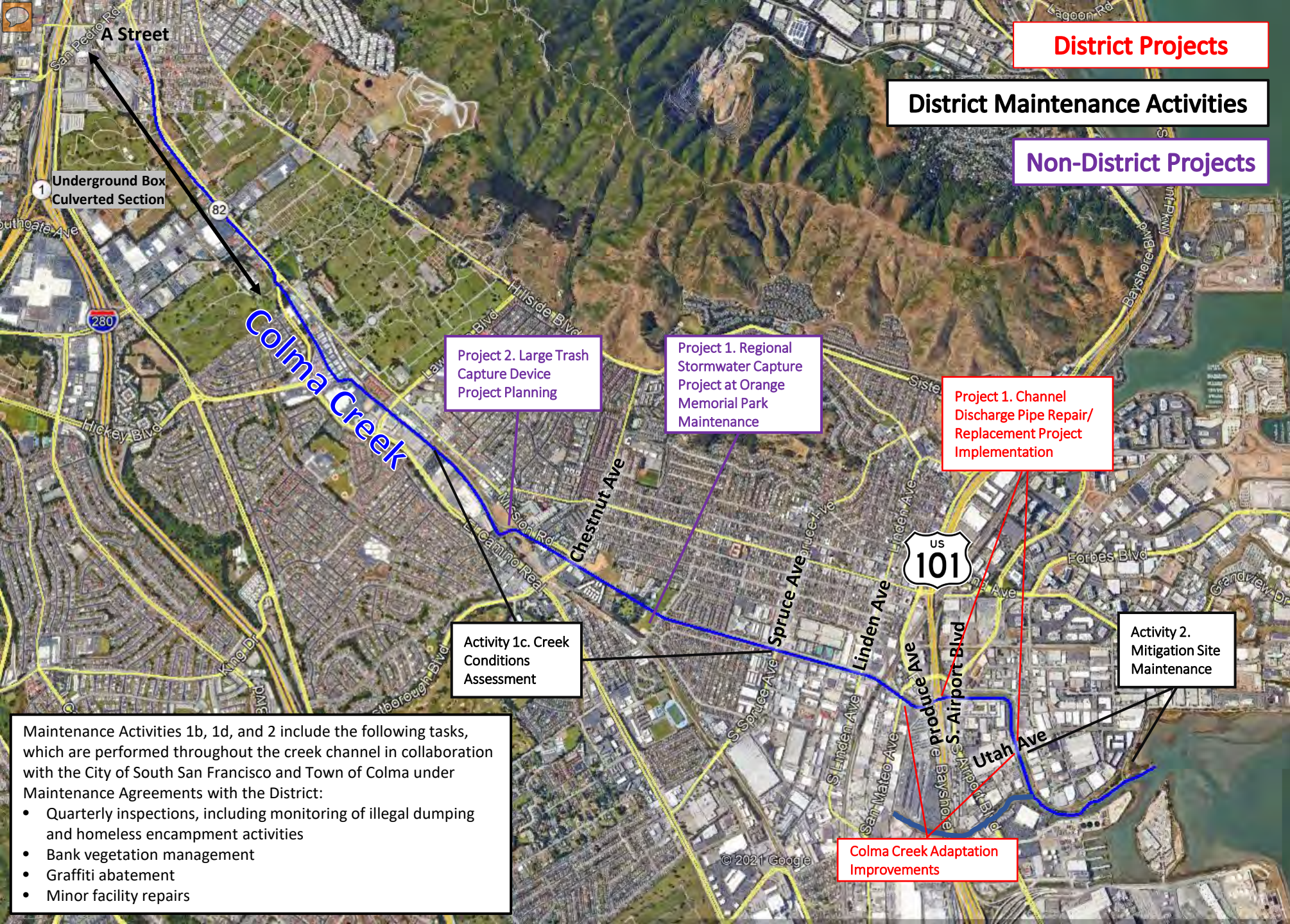
Colma Creek Citizens Advisory Committee Meeting

AGENDA

- I. Roll Call**
- II. Public Comment**
- III. Action to set the Agenda and approve the Consent Agenda**
Approve minutes of the June 11, 2024 meeting
- IV. Colma Creek Flood Zone Project List**
- V. Update on Colma Creek Flood Zone Projects and Maintenance Activities**
- VI. Updates on Non-District Projects from Committee Participants**
- VII. Adjournment**

Colma Creek Flood Zone Project List

Dec 2019 Project Name	September 2024 Project Name	Status
El Camino Box Culvert and Mission Road Diversion Structure	Removed from project list	Mission Road repairs completed 2020 El Camino repairs completed 2021
BART Co-op Project	Removed from project list	Negotiations with BART stalled
Colma Creek Improvements between Spruce and San Mateo Avenues	Quarterly Inspections, Illegal Dumping and Homeless Encampment Activities, Vegetation Management, and Graffiti Abatement	Ongoing
Mitigation Sites Downstream of Utah Avenue	Mitigation Site Maintenance	Ongoing
Maintenance of Existing Channel (Channel Maintenance Matrix – Inspection Summary)	Sediment Dredging, MRP Trash Reduction, Illegal Dumping and Homeless Encampment Activities, Maintenance Agreements, Colma Creek Long-Term Maintenance Permit, and Stewardship Events	Ongoing
Produce Avenue – Channel Wall Project	Removed from project list	OneShoreline drafting plan RFP including scope to address Produce Ave conditons
Utah Avenue to Bay	Removed from project list	OneShoreline planning and coordinating on opportunities for improvements
Sea Level Rise Preparedness	Removed from project list	Completed June 2021 revising H&H model to incorporate up to 6' SLR
Multi-jurisdictional Regional Stormwater Capture Project at Orange Memorial Park (SSF and San Mateo Countywide Water Pollution Prevention Program)	Listed under "Non-District Projects"	Construction completed and OneShoreline providing O&M funding through Maintenance Agreement with SSF
Colma Creek Technical Advisory Committee (TAC)	Removed from project list	Coordinating to reconvene TAC



Agenda Item 5

Update on Colma Creek Flood Zone Projects and Maintenance Activities

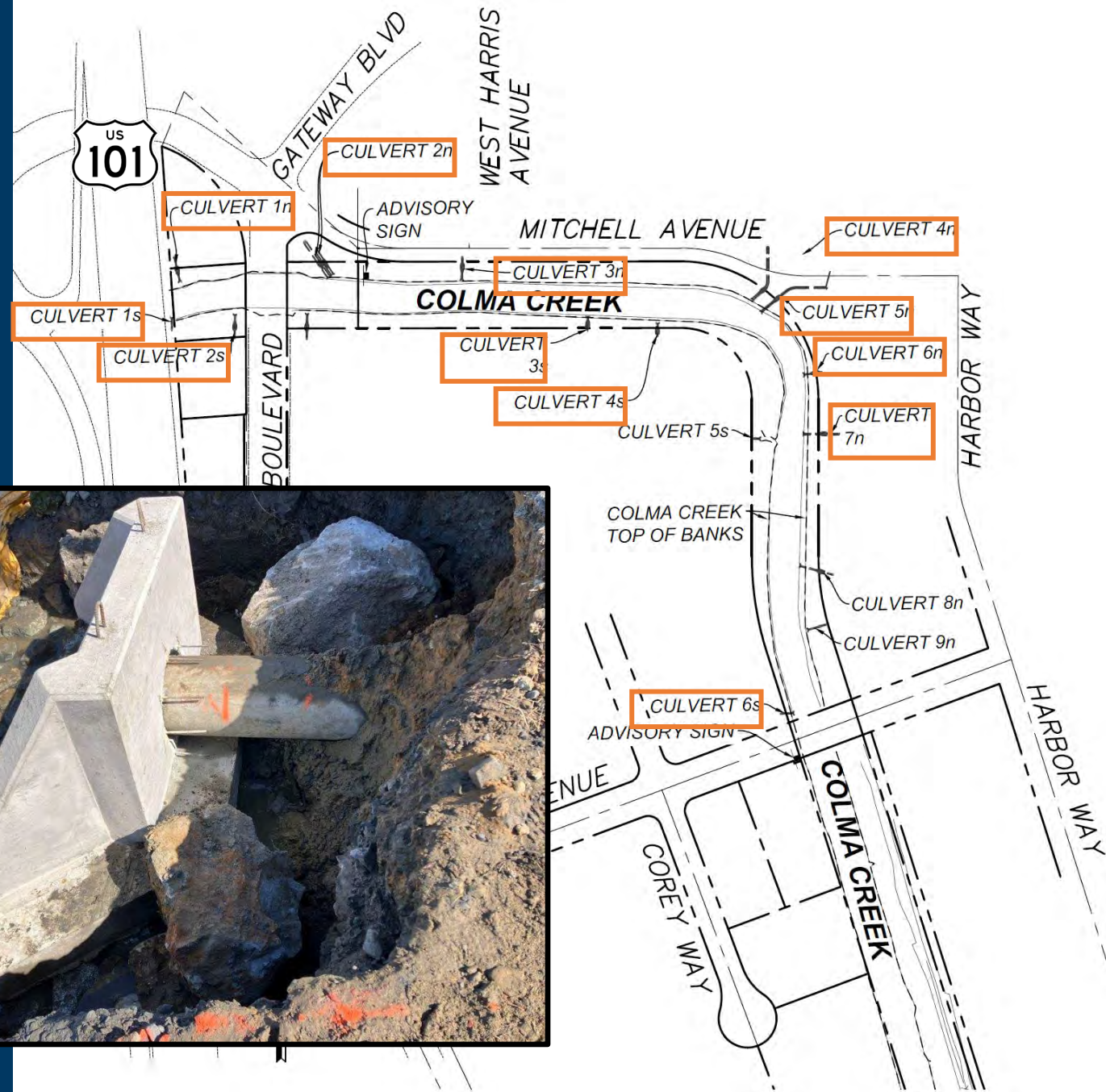
Maintenance Activities 1b, 1d, and 2 include the following tasks, which are performed throughout the creek channel in collaboration with the City of South San Francisco and Town of Colma under Maintenance Agreements with the District:

- Quarterly inspections, including monitoring of illegal dumping and homeless encampment activities
- Bank vegetation management
- Graffiti abatement
- Minor facility repairs

Map of Colma Creek Flood Zone Projects and Maintenance Activities

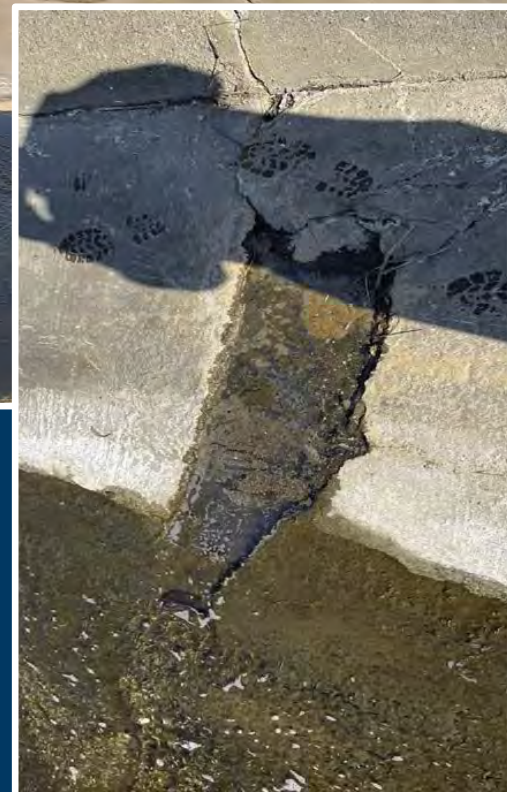
Channel Discharge Pipe Repair/Replacement Project

- Work continues in this construction season, to repair and replace stormwater culverts that drain to Colma Creek, between U.S. Highway 101 and Utah Avenue
- Work resumed August 5 to be completed by October



Colma Creek Conditions Assessment

- In October 2023, Schaaf & Wheeler completed a Conditions Assessment of a 1.5-mile reach of open channel from SSF BART station to Spruce Ave
- The draft Assessment has identified apparent settling and displacement of the channel walls between Orange and Spruce Ave
- S & W has been contracted for subsequent geotechnical investigation for a not-to-exceed fee of \$92,312



Colma Creek Maintenance Activities

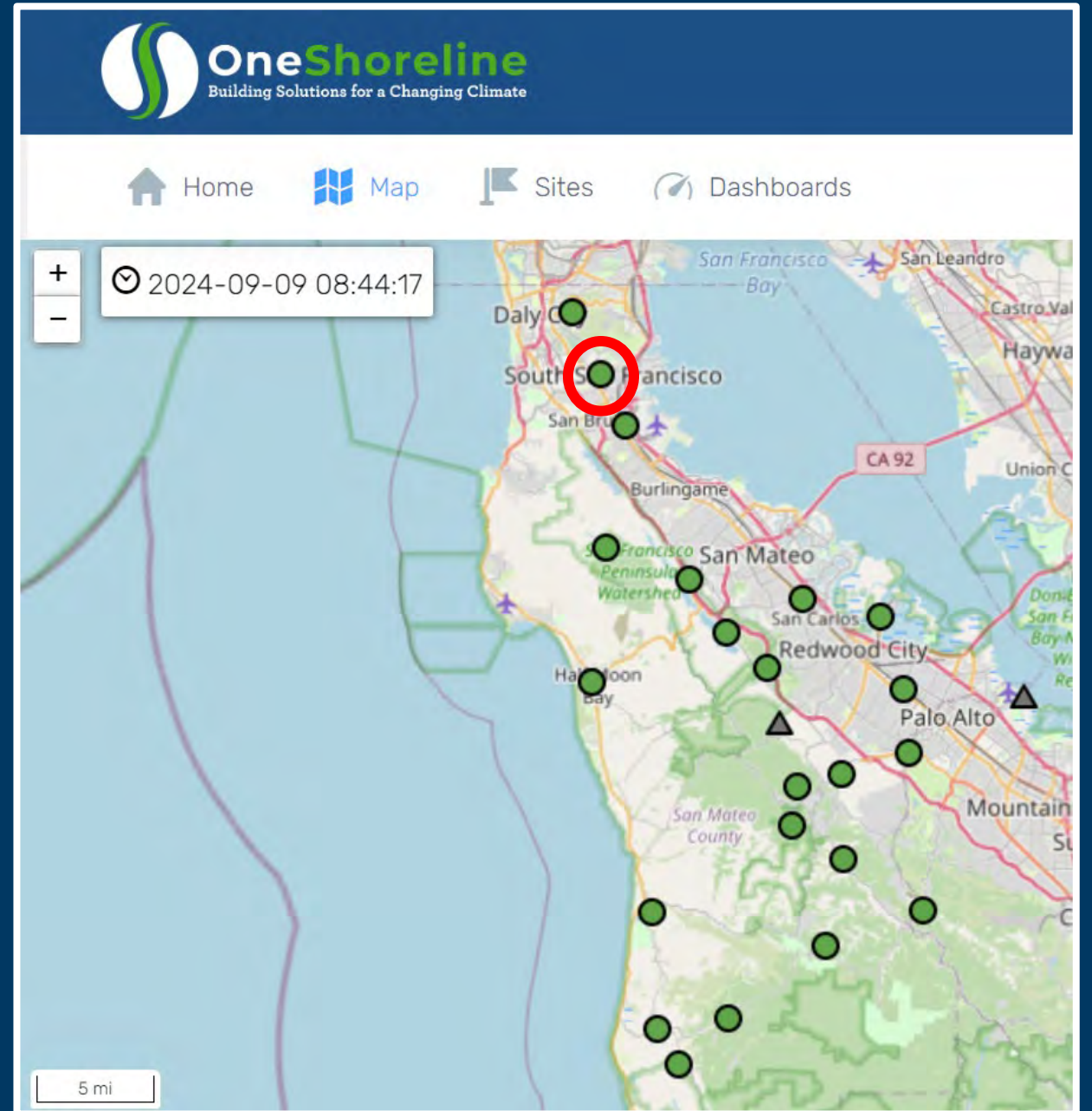
Summer 2024:

- 400 cubic yards sediment dredged between Caltrain tracks and Produce Ave crossings
- 4,700 linear feet vegetation maintenance and debris removal between Produce Ave and SSF BART Station
- Debris removal and fence repairs at Centennial Way Pedestrian Bridge
- Cleaning and repair of culverts from Spruce up to SSF BART Station

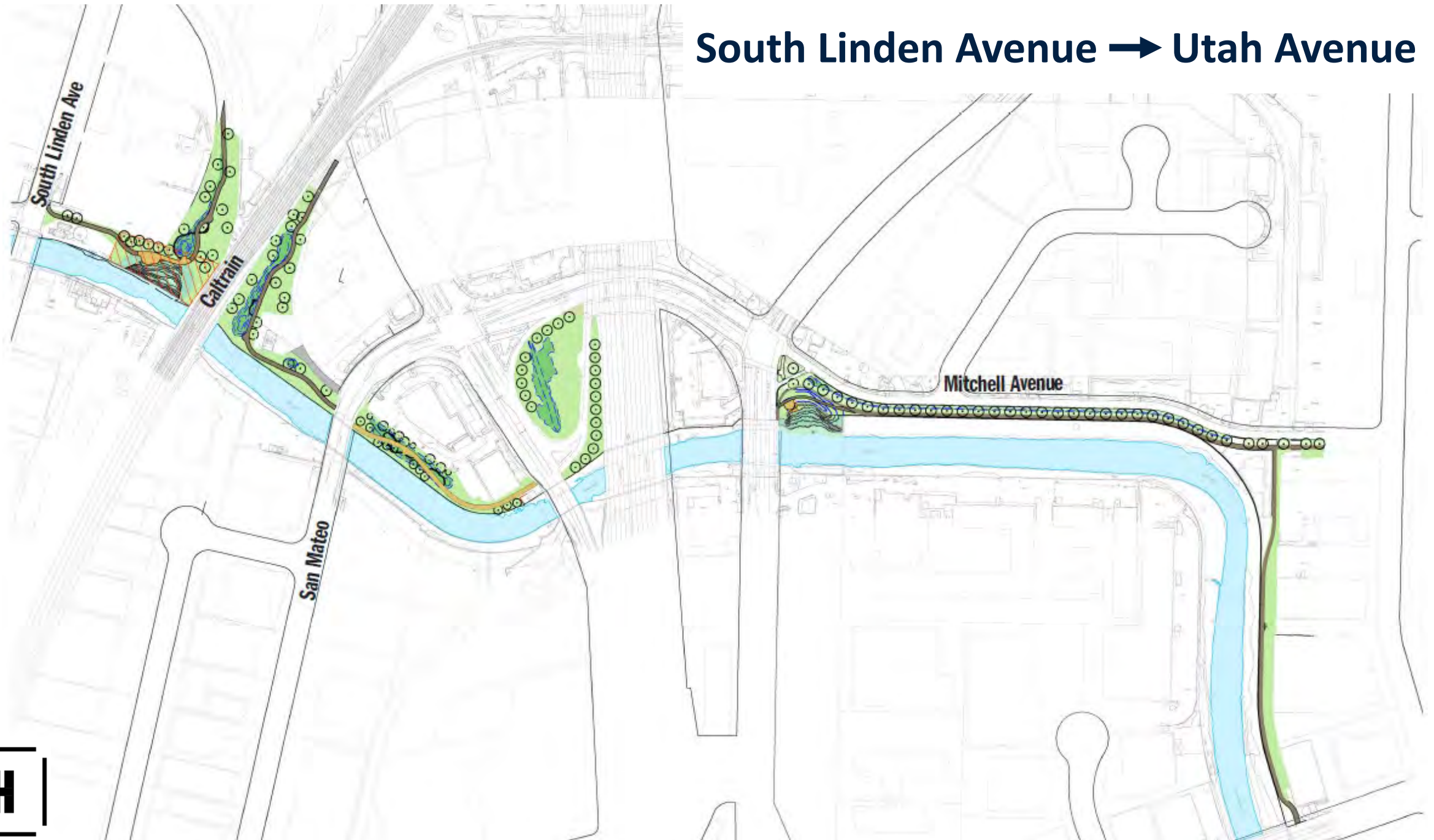


Flood Early Warning System

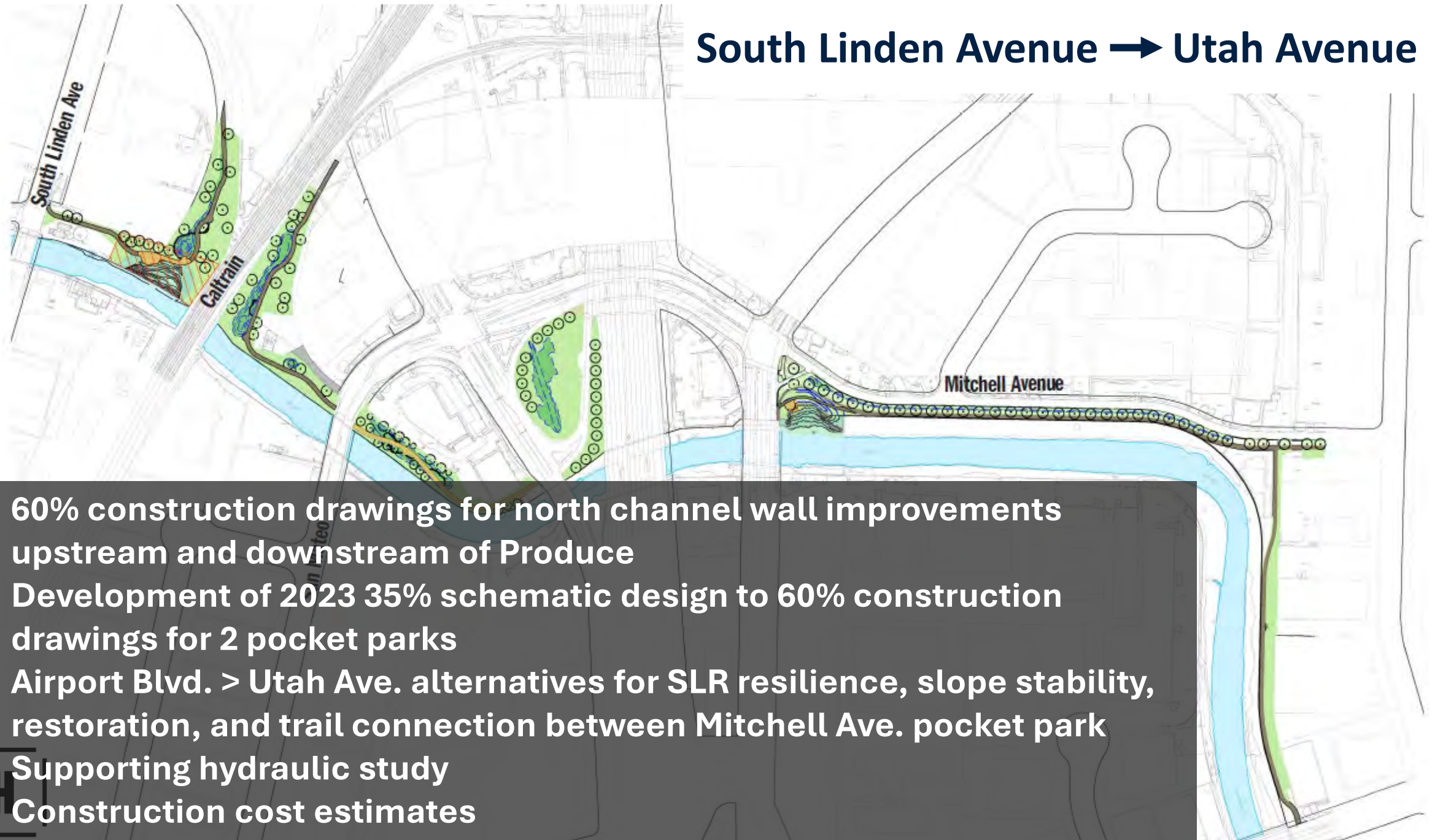
- Upgrading San Bruno Mountain precipitation monitoring station with signal repeater Fall 2024
- Improve system signal strength and reliability
- Allow for expansion of system to additional locations



South Linden Avenue → Utah Avenue

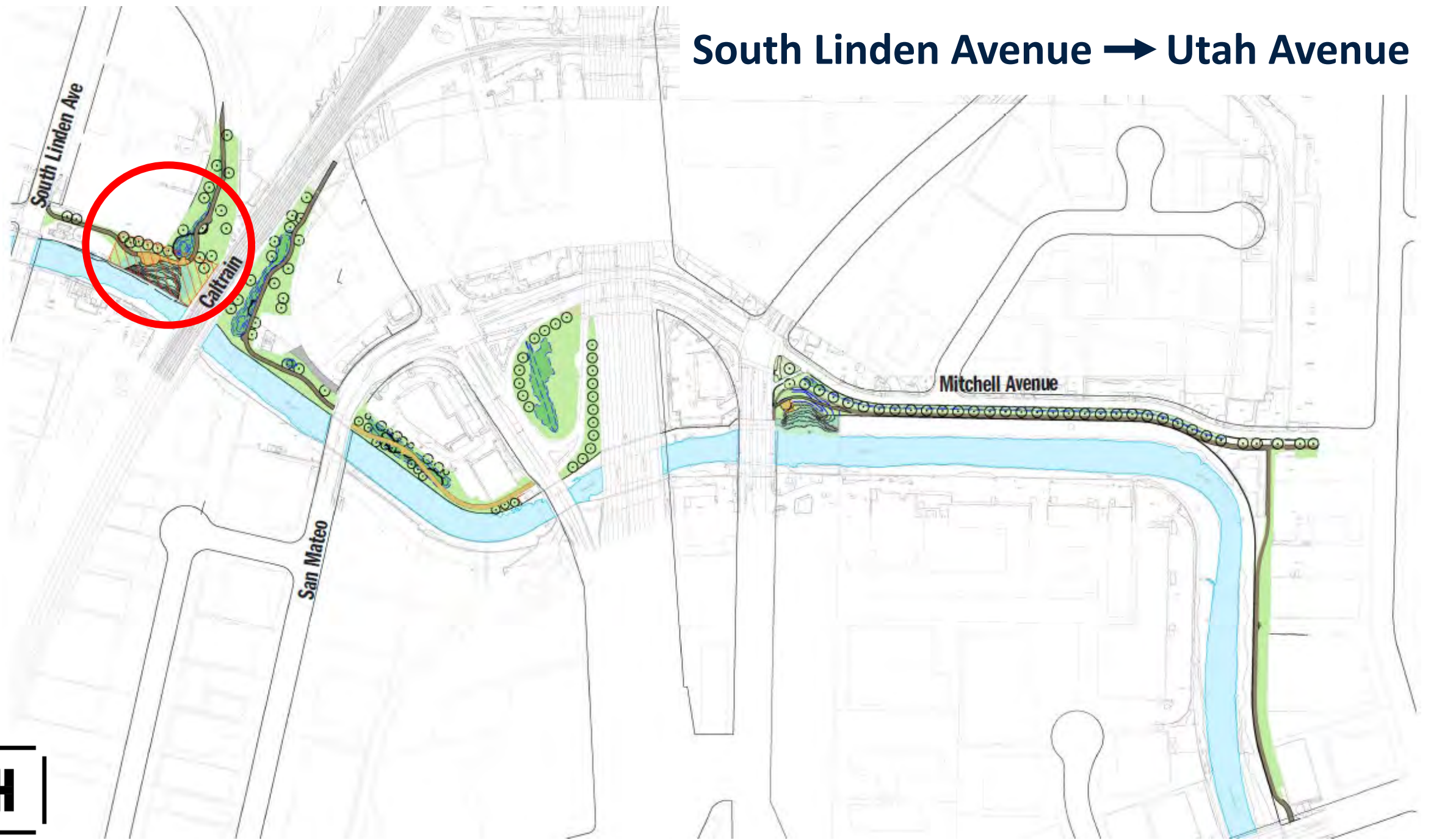


South Linden Avenue → Utah Avenue



- 60% construction drawings for north channel wall improvements upstream and downstream of Produce
- Development of 2023 35% schematic design to 60% construction drawings for 2 pocket parks
- Airport Blvd. > Utah Ave. alternatives for SLR resilience, slope stability, restoration, and trail connection between Mitchell Ave. pocket park
- Supporting hydraulic study
- Construction cost estimates

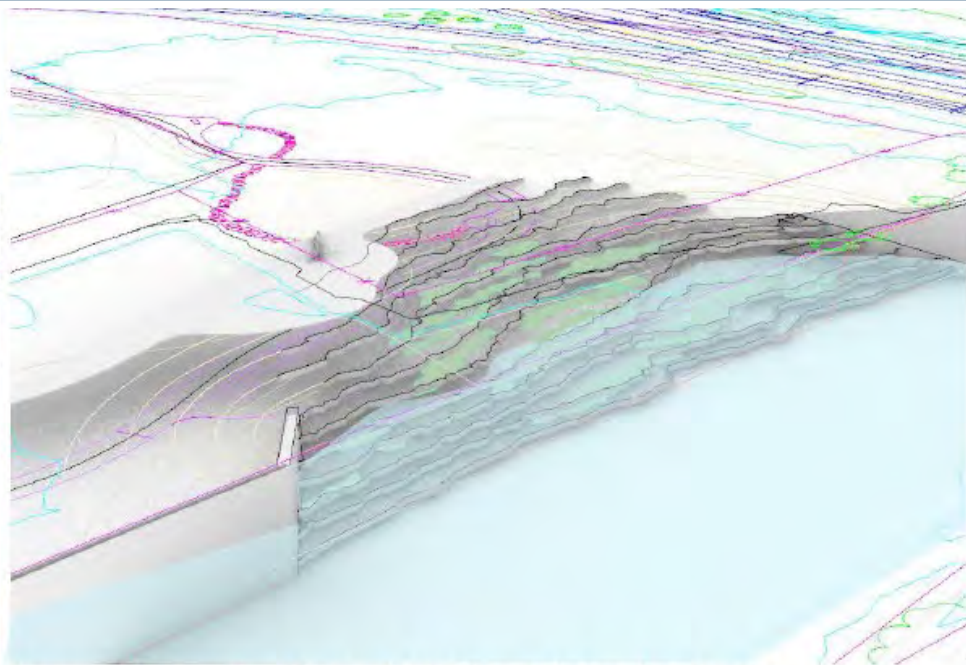
South Linden Avenue → Utah Avenue



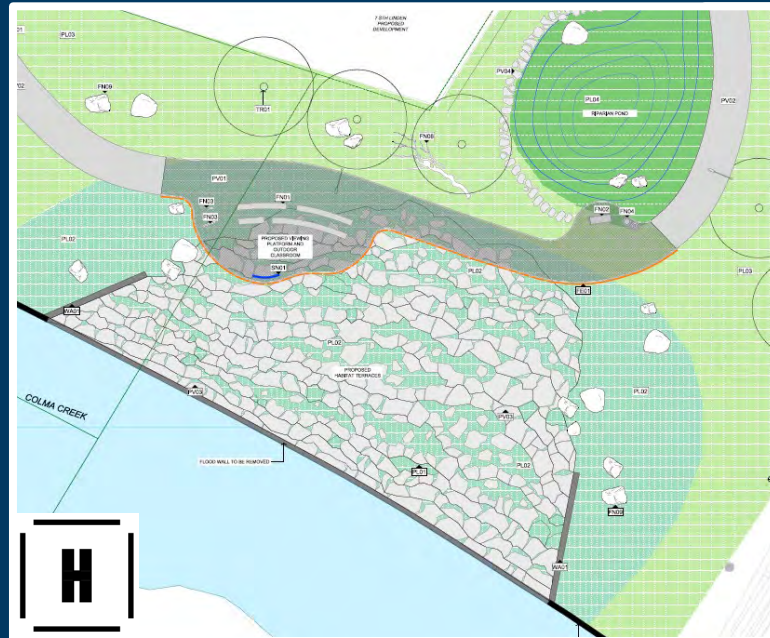
Linden Avenue → San Mateo



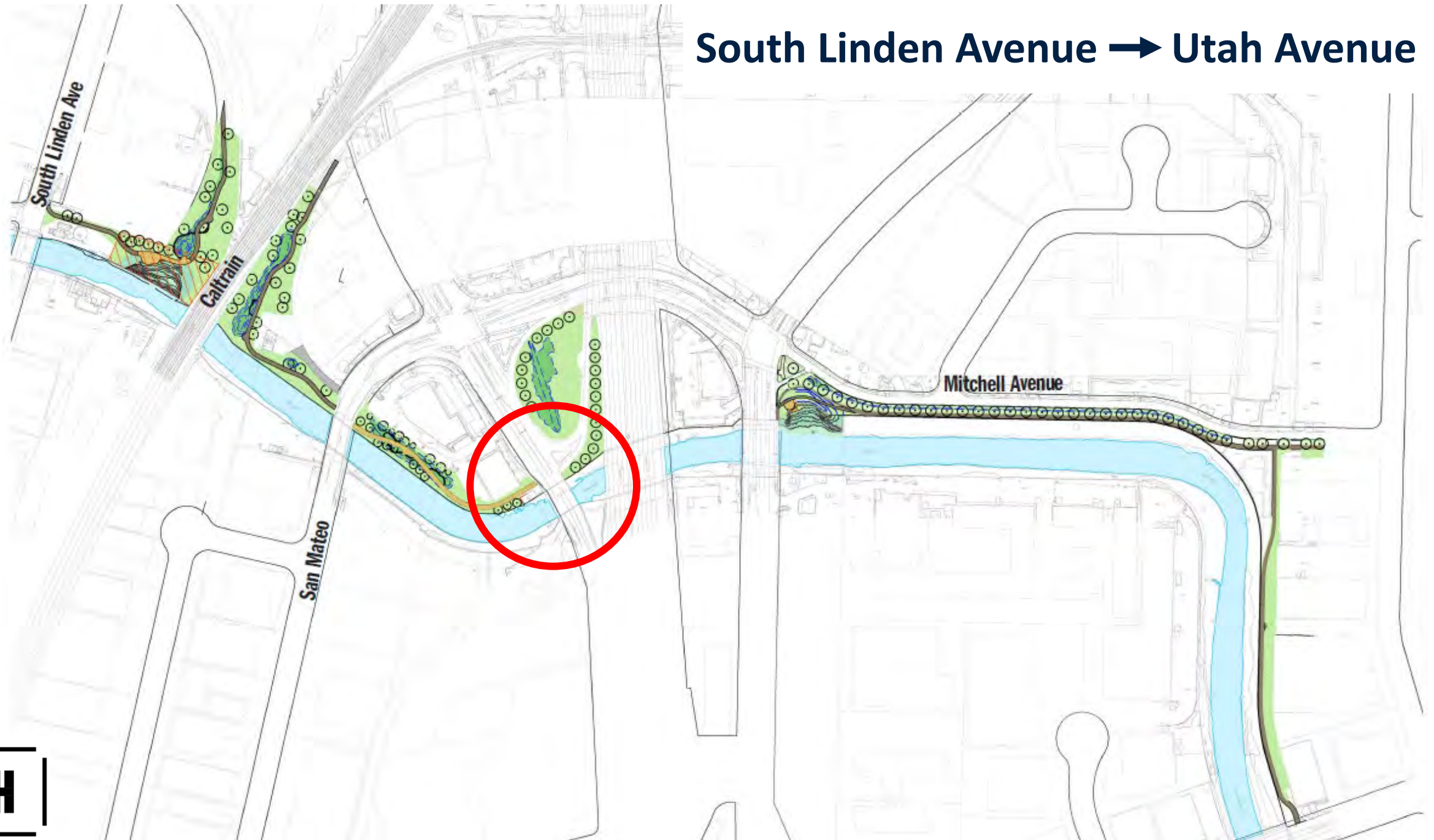
Partial removal of existing flood wall



Incremental naturalising of the creek edge through the creation of creek terraces

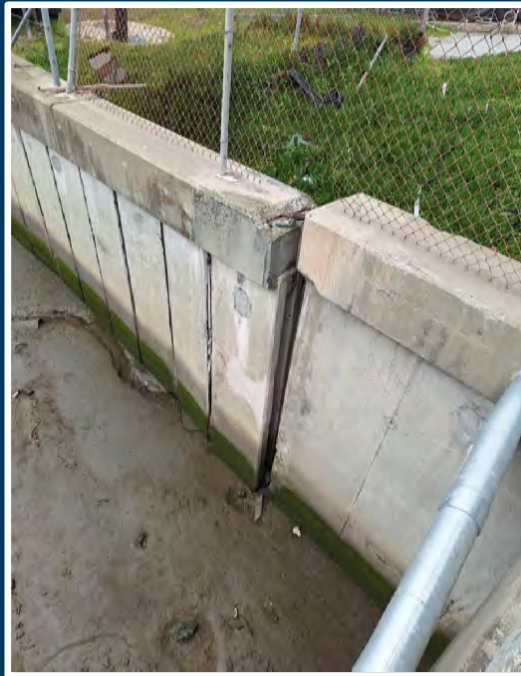


South Linden Avenue → Utah Avenue

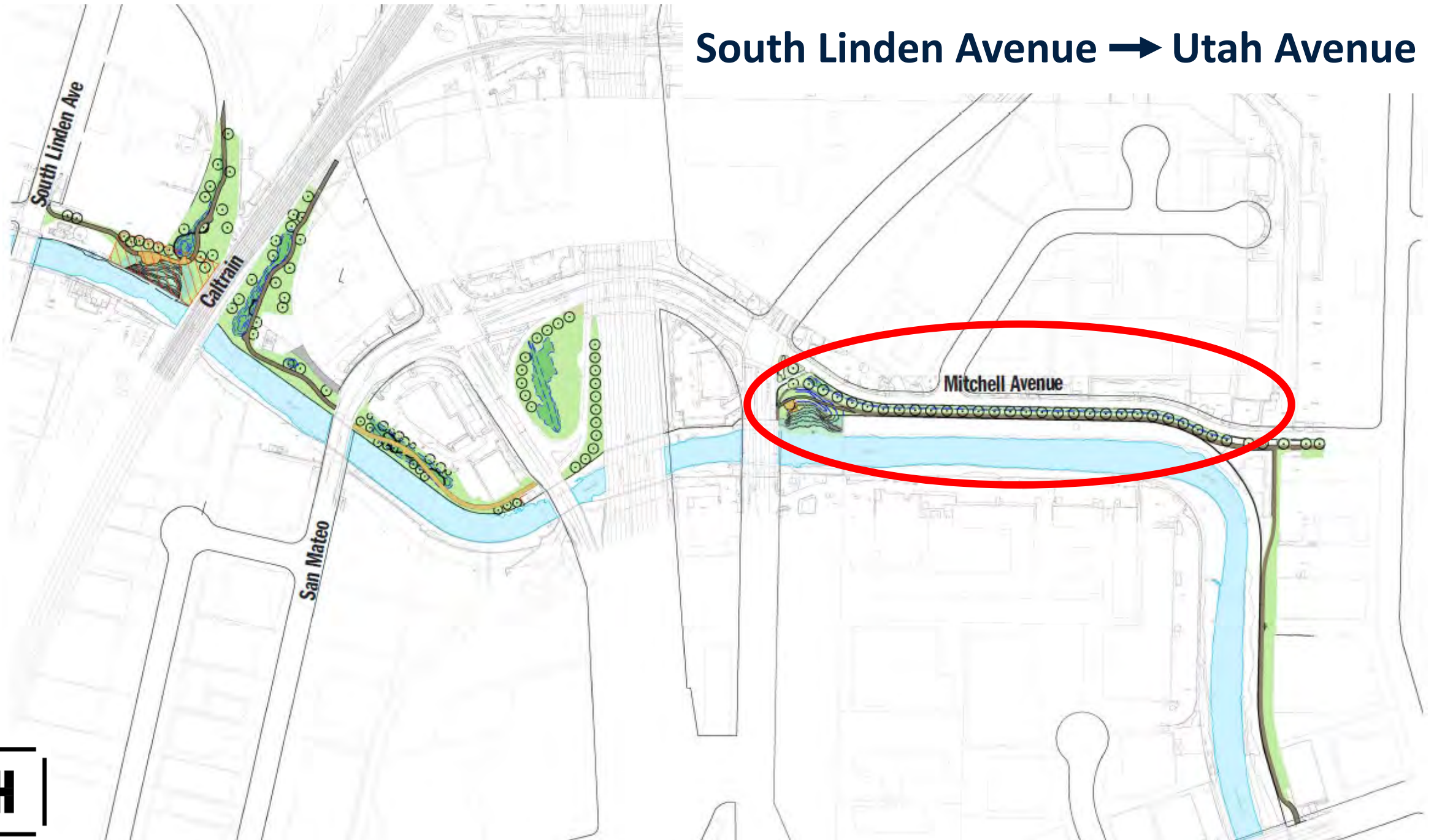


Produce Ave

- Upstream and downstream of Produce Avenue on the north bank structural damage to the flood wall has been observed
- Exploring feasibility and suitability of options to realize optimal flood management and natural infrastructure

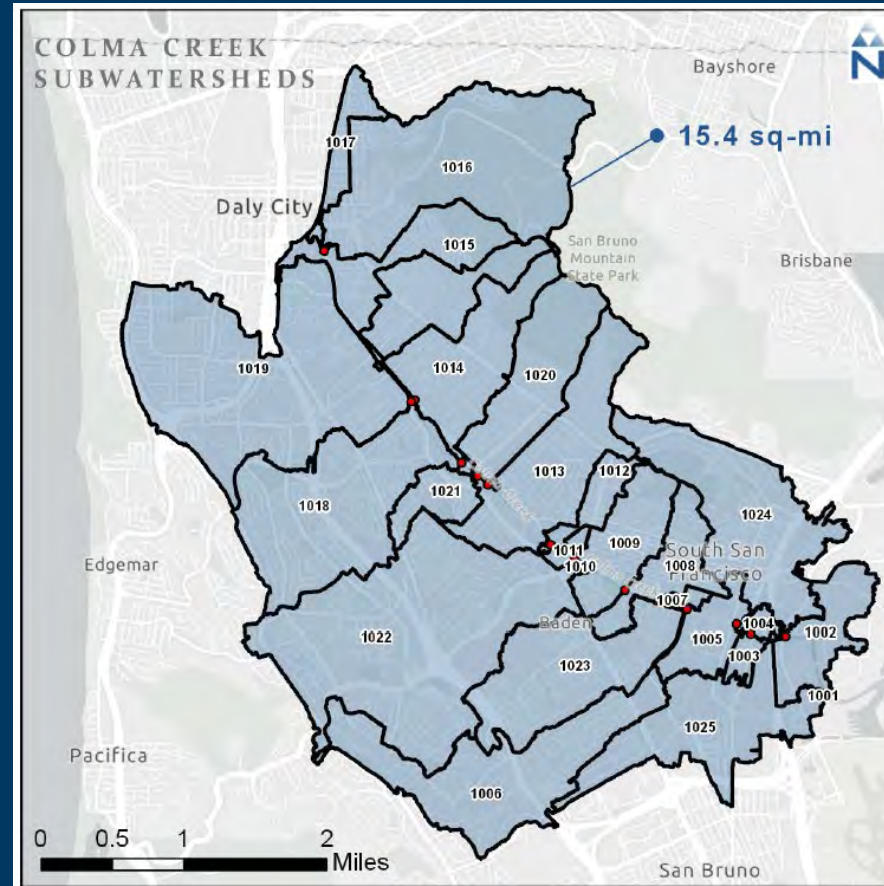


South Linden Avenue → Utah Avenue



Watershed Hydrology and Hydraulic Study

1. Watershed model updates in consideration of:
 - a. Climate change
 - b. Infrastructure guidance
2. Recommendations on Colma Creek setbacks and locations to monitor
3. Hydraulic study to inform priority efforts and optimal channel configurations in selected locations (RE: Project Segments)



Colma Creek Hydrology and Hydraulic Modeling Analysis

JUNE 4, 2021

PREPARED FOR
COUNTY OF SAN MATEO
DEPARTMENT OF PUBLIC WORKS



FLOOD AND SEA LEVEL RISE
RESILIENCY DISTRICT

PREPARED BY
PARADIGM ENVIRONMENTAL

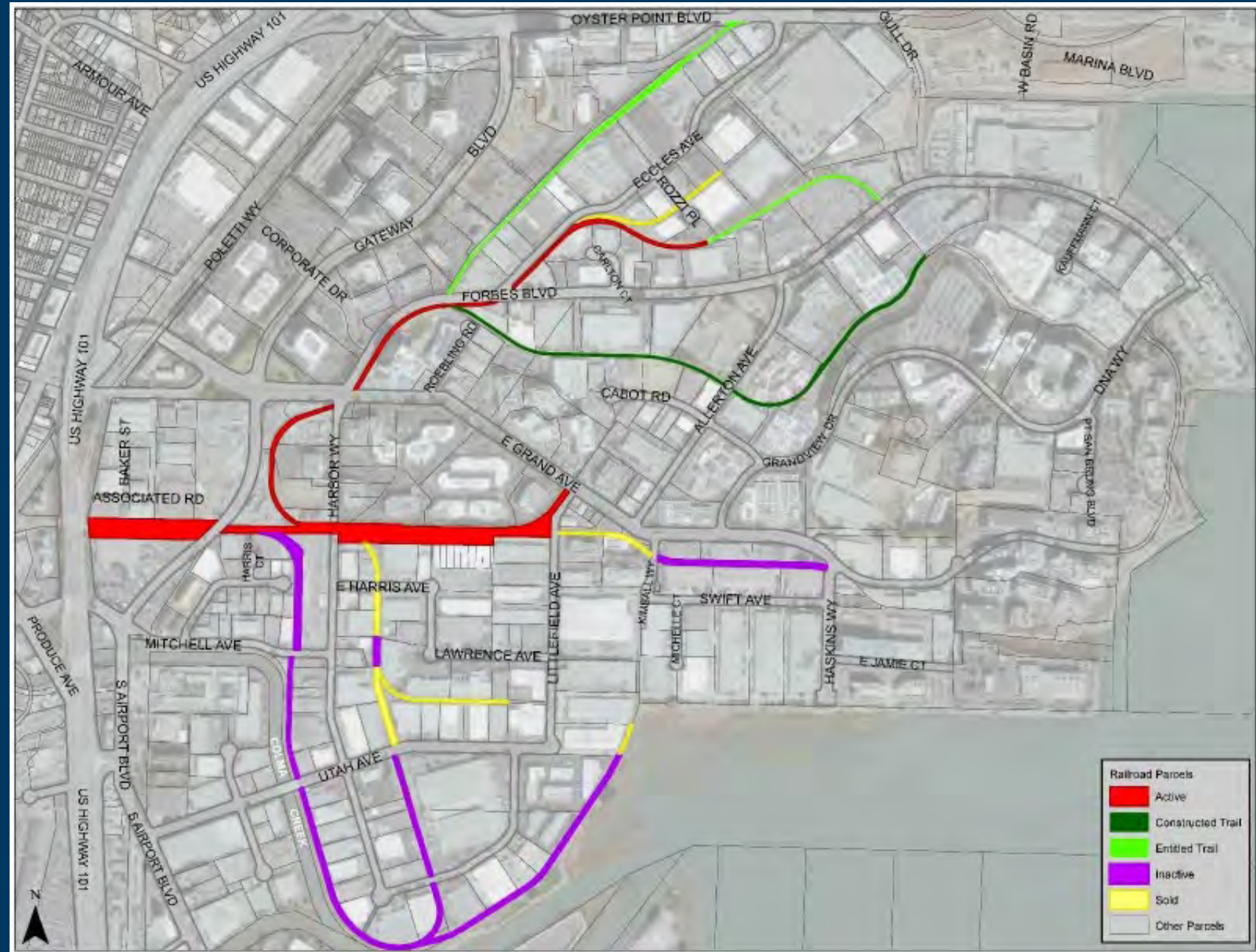


NORTHWEST HYDRAULIC CONSULTANTS



Land Opportunities

- Assessments of potential existing land use acquisitions and appraisals which may include Union Pacific holdings
- Feasibility Study of opportunities associated with land use changes
- District property map updates



Colma Creek Stewardship

- San Bruno Mountain Watch and RISE South City hosted volunteer event August 31 removing invasive weeds, 340 pounds of trash, and facilitated bird watching, water-coloring and other art, storytelling, and more
- Coastal Cleanup Day September 21



Help us clean the Bay! Join South San Francisco's Environmental Compliance Program, OneShoreline, and the County of San Mateo's Public Works Department for our Volunteer Creek Clean-up

CALIFORNIA COASTAL CLEANUP DAY

9.21.24 9AM-12PM
COASTALCLEANUPDAY.ORG
www.smhealth.org/ccd

SSF Location: meet at the Utah Ave bridge, near 180 Utah at the intersection of Utah and Harbor Way. Refreshments will be provided.

YOU ARE BIGGER THAN YOU THINK

CALIFORNIA COASTAL COMMISSION | CRYSTAL GEYSER | ORACLE | INNOVATIVE SOLUTIONS | BARBITE SOLUTIONS | CALIFORNIA COASTAL CLEANUP DAY

40TH ANNIVERSARY



Next scheduled Committee Meeting

Tuesday, December 10, 2024

3:00 p.m.