Arroyo Park Infiltration Gallery

Infrastructure Program

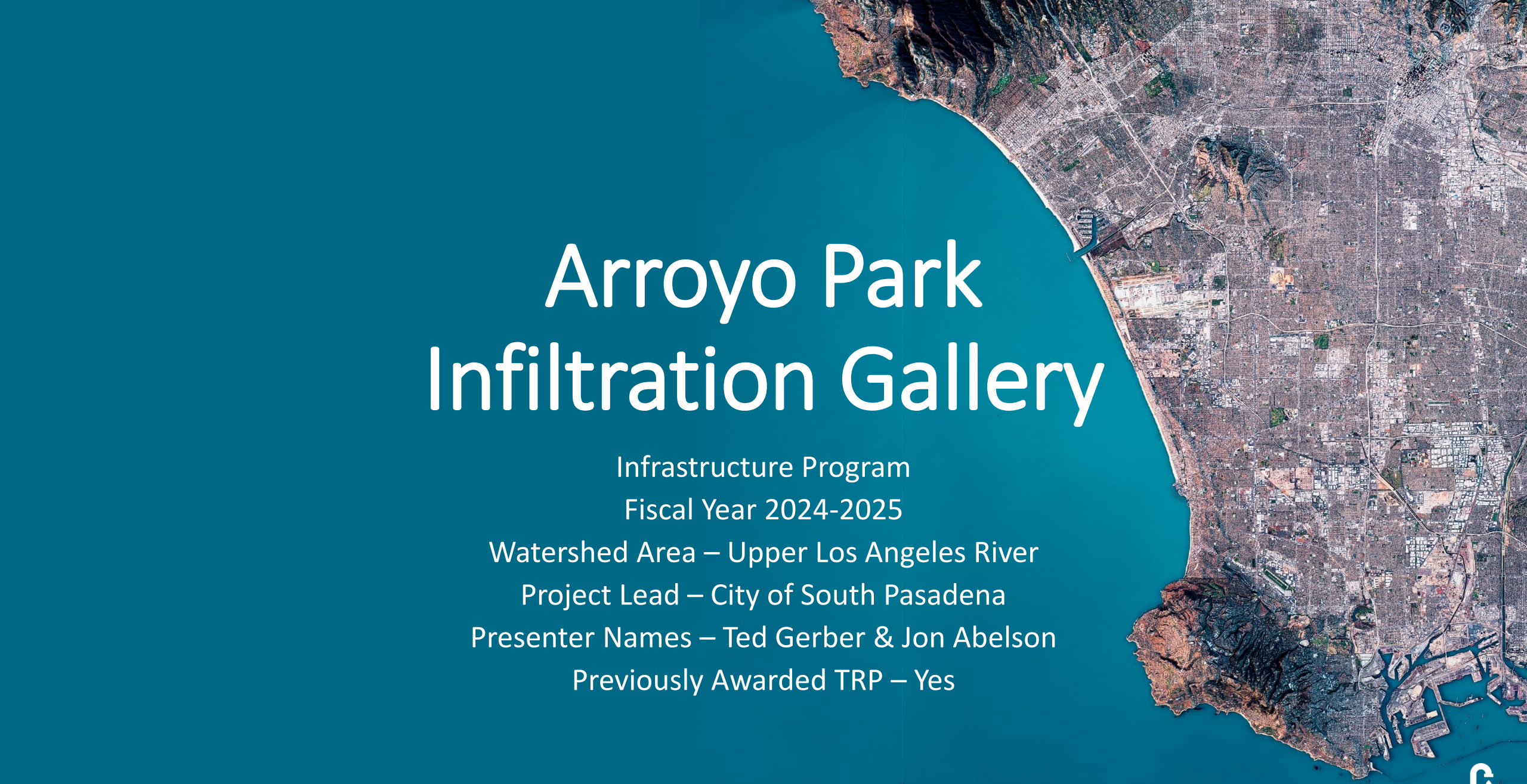
Fiscal Year 2024-2025

Watershed Area – Upper Los Angeles River

Project Lead – City of South Pasadena

Presenter Names – Ted Gerber & Jon Abelson

Previously Awarded TRP – Yes



Project Overview

This project proposes an underground infiltration gallery (NDS StormChamber) to be located underneath a soccer field at Arroyo Park.

- Primary Objective:
  - Capture and/or treat stormwater runoff and dry weather flows to achieve compliance with the EWMP goals
- Secondary Objectives:
  - Enhance water supply by providing opportunities for groundwater recharge through infiltration
- Phases for which SCW funding is being requested
  - Planning, Design, Bid and Award and Construction
- Total Funding Requested: $7,160,127.06

Project Location

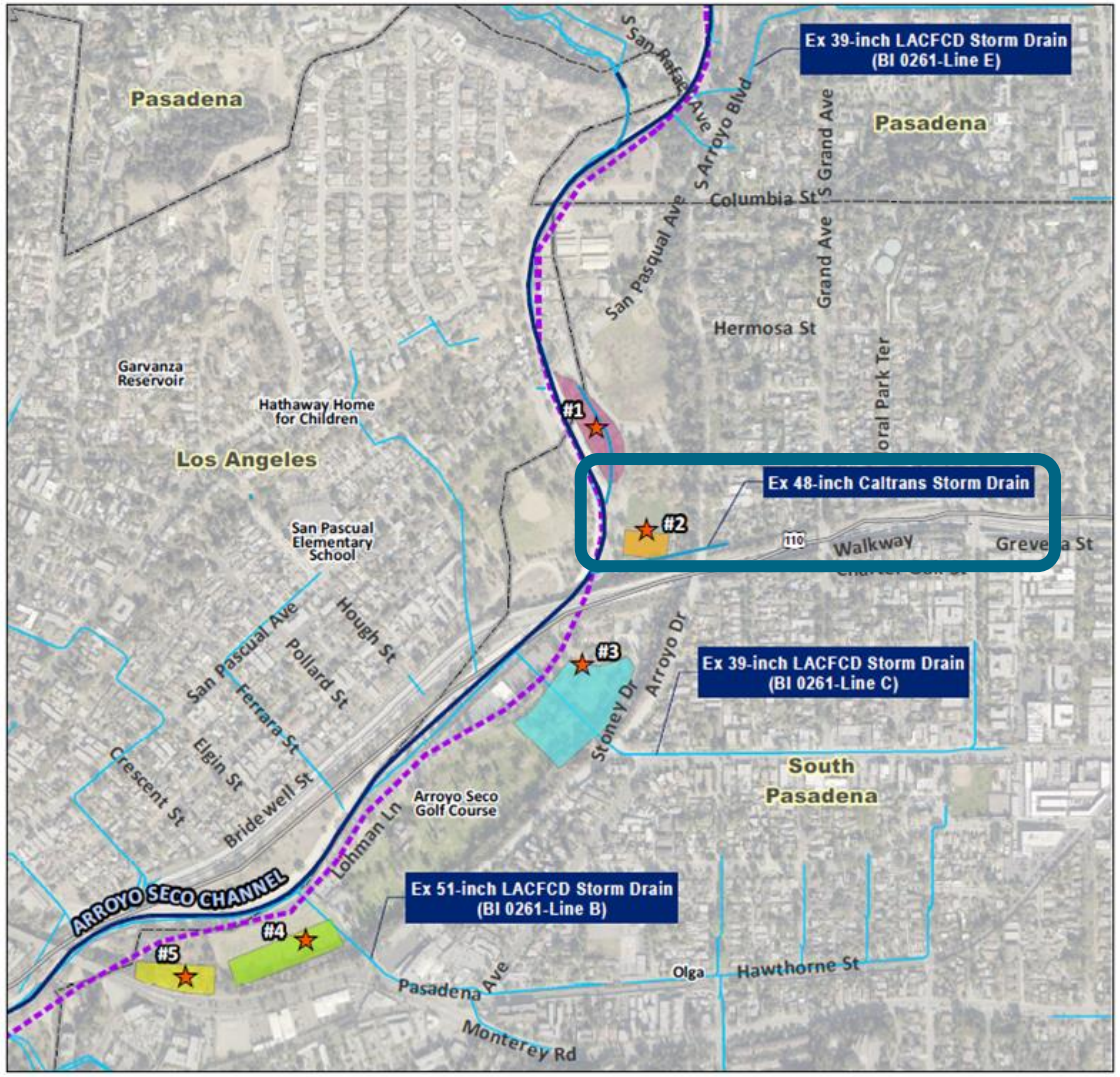
Project Background

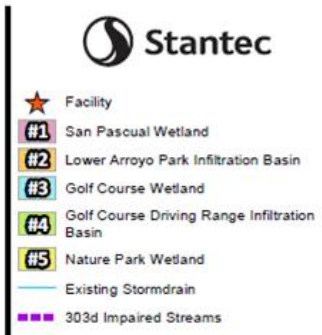
- Project (Lower Arroyo Park) was included in ULAR EWMP (2016).
- Then, it was modified as a set of projects proposed for funding to conduct a Feasibility Study under the SCW TRP and approved under the ULAR WASC SIP in December 2019. Arroyo Park is one of them.
- City of South Pasadena will have
  - enhanced water supply through infiltration and treatment
  - enhanced park space e.g. soccer fields
  - increased drought tolerant/native landscaping
  - new native vegetation, extended walking paths and educational signage
  - naturalistic stream channel along south side of project

Partners

- City of South Pasadena and LACFCD are implementation partners already identified.
- Caltrans, City of Pasadena, South Pasadena Little League, the American Youth Soccer Organization, and Active SGV have expressed support for the project.
- Received a letter of concurrence from the Flood Control District on 7/28/2022.

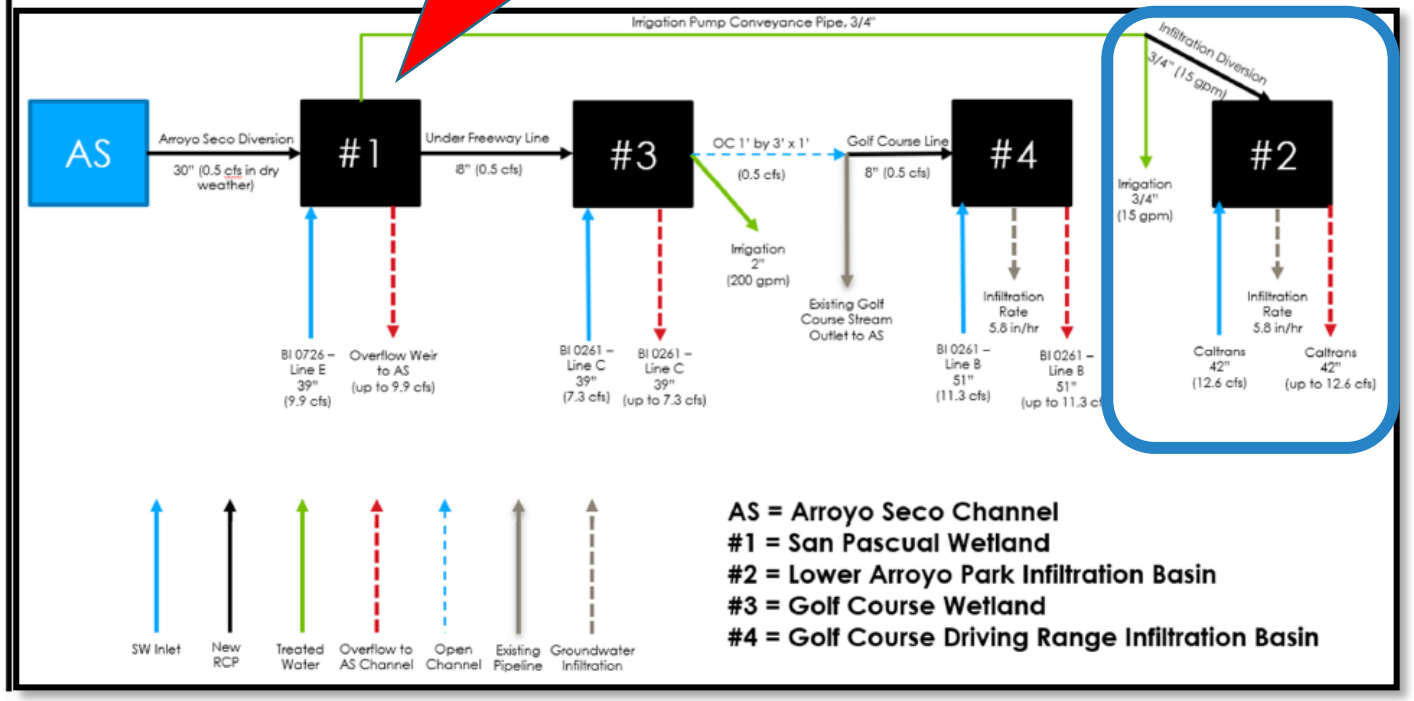
Project Details - Overview



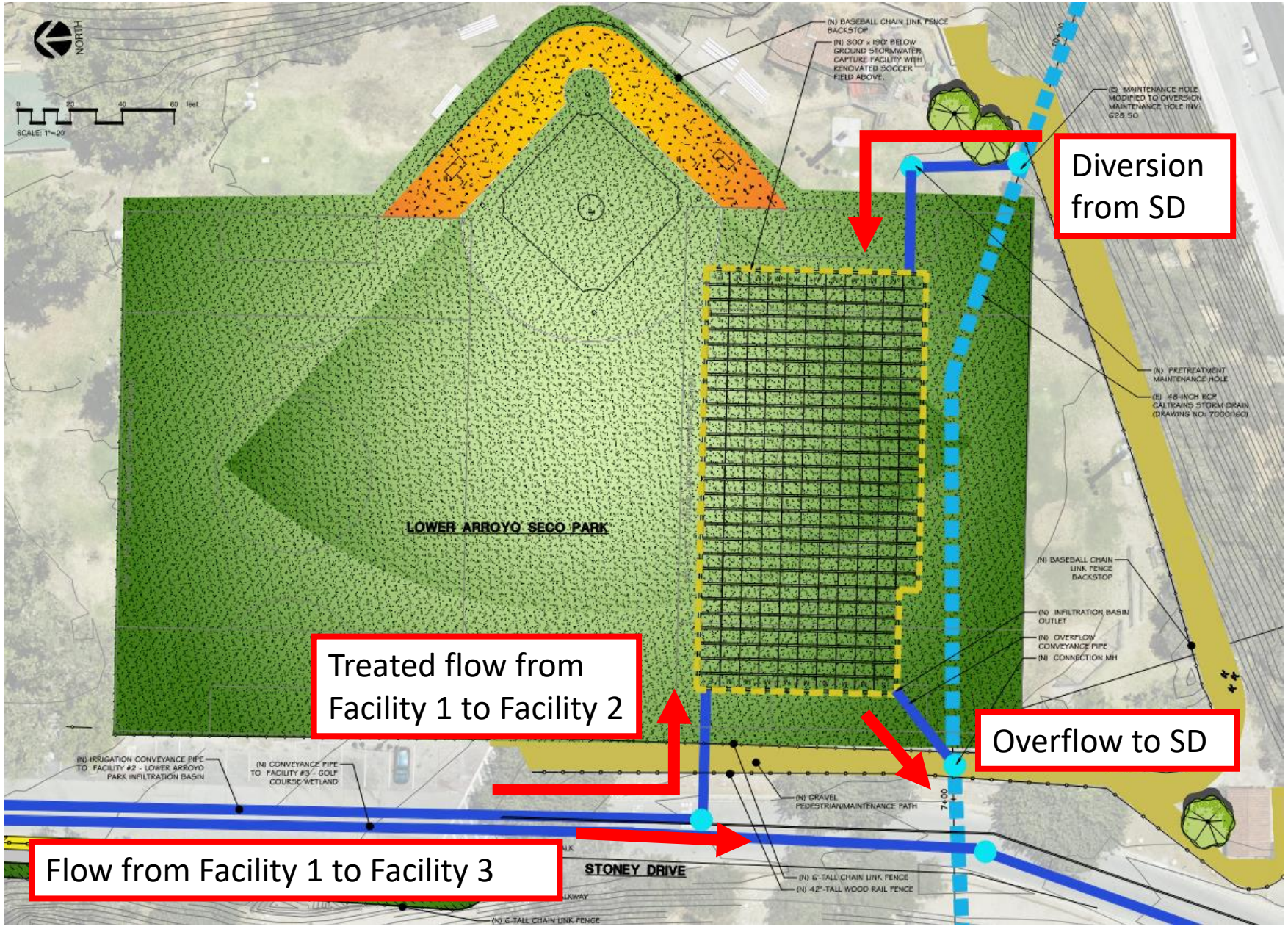


Facility 2 (Arroyo Park Infiltration Basin) is part of a larger project

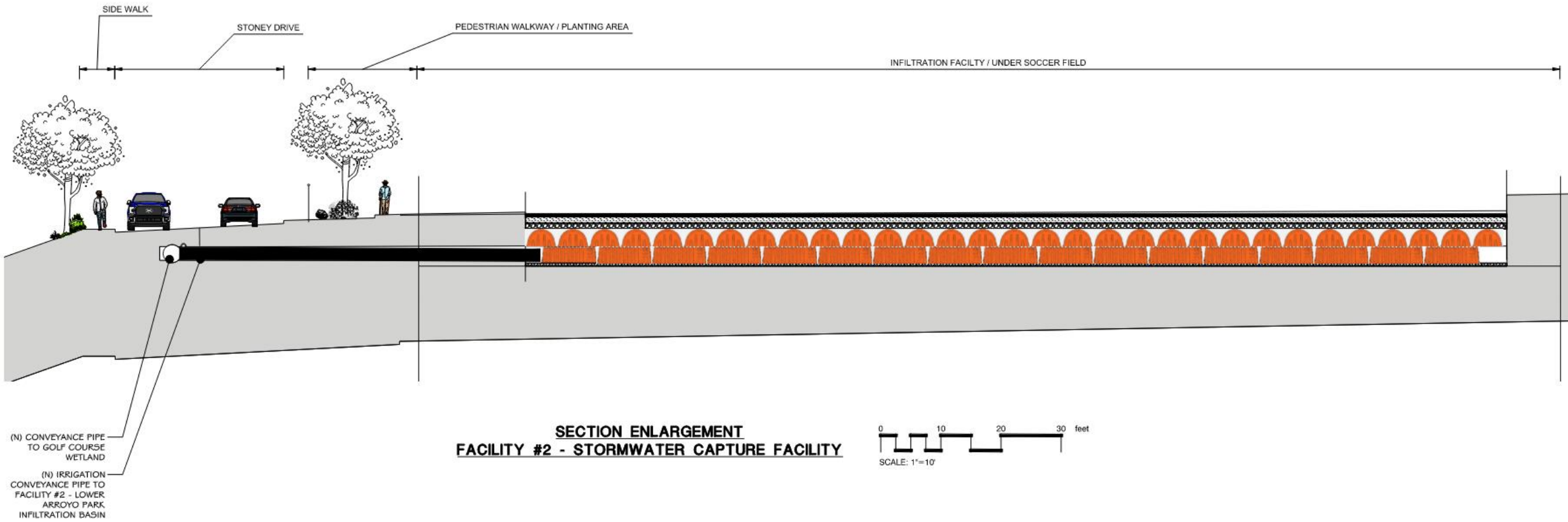
Facility 1 already funded by SCW



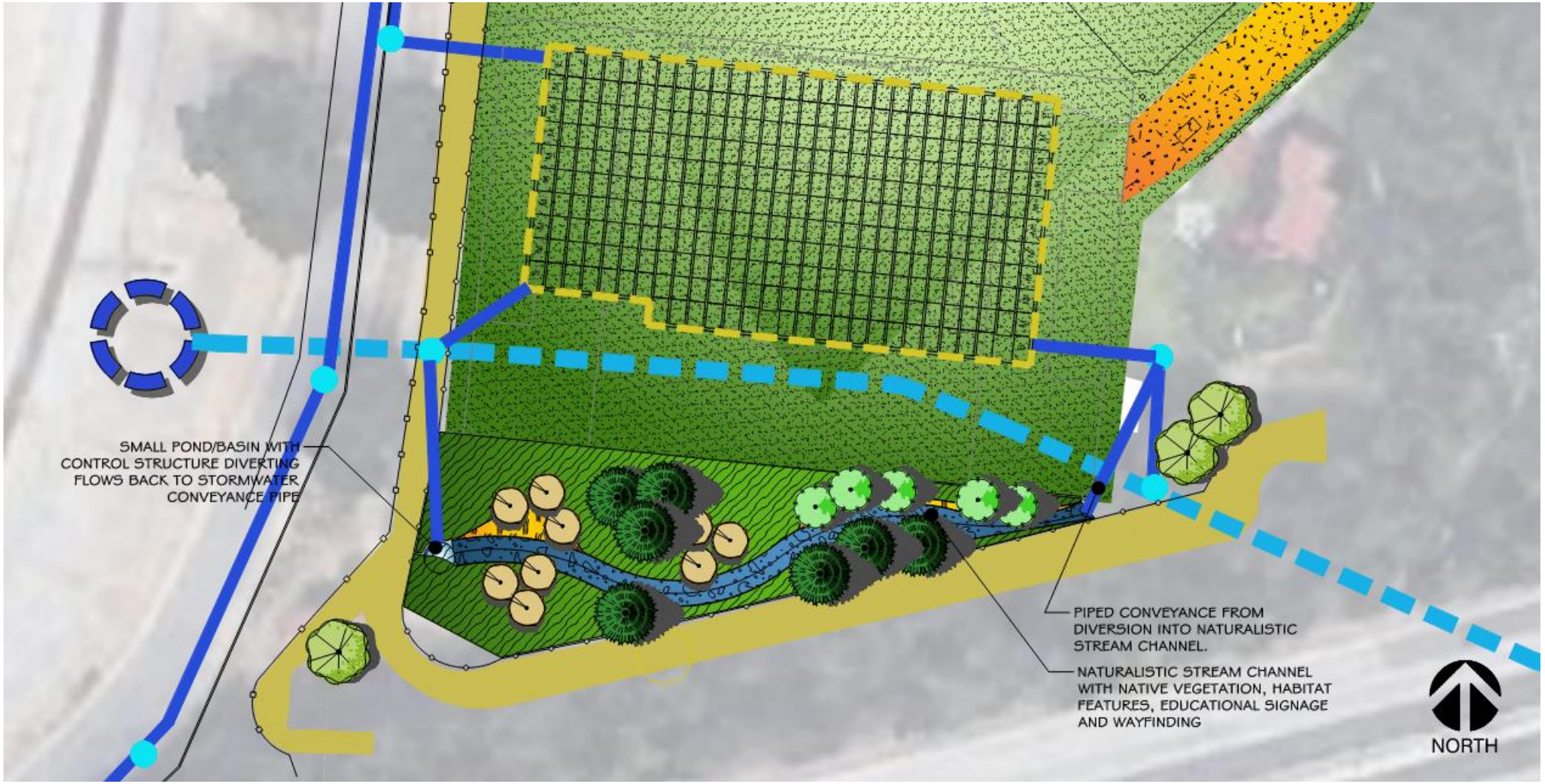
Project Details – Infiltration Gallery



Project Details – Infiltration Gallery Section View



Project Details – Naturalistic Stream



Project Details – Current Site Conditions

- A geotechnical investigation was conducted on 7/15/21
  - Infiltration Rate: 5.84 in/hr (with FS of 3)
  - Depth to Groundwater: > 50 ft
- A desktop study was completed for the initial engineering analysis of existing site conditions. This included analyzing the site ownership, slope, soil type, site size, proximity to stormwater infrastructure, depth to groundwater, and environmental challenges.
  - This site was deemed ideal due to the following:
    - The sites are located within the Main San Gabriel Groundwater Basin.
    - The sites are owned by the City of South Pasadena.
    - The sites have mild slopes (=10%).
    - The depth to groundwater is greater than 50 feet.
    - The surface soils at the sites promote infiltration.
    - The sites are in close proximity to existing storm drains.
    - The sites do not have plans for future development.

Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Associated costs with permits and environmental compliance (including CEQA), pre-design report development, site investigations, and other general reconnaissance during design phase	$333,407.38	12/2025
Design	Assuming approval occurs in August 2024, the development of 30% design drawings will begin in September 2024. It is assumed that 100% design drawings will be finished by December 2025.	$580,666.44	12/2025
Bid/Award	Send project out for bid and award to contractors after design phase	$20,000.00	05/2026
Construction	Assuming approval occurs in August 2024 and design finishes in December 2025, construction would begin in July 2026.	$9,340,738.24	07/2028
Total		**$10,274,812.06**	

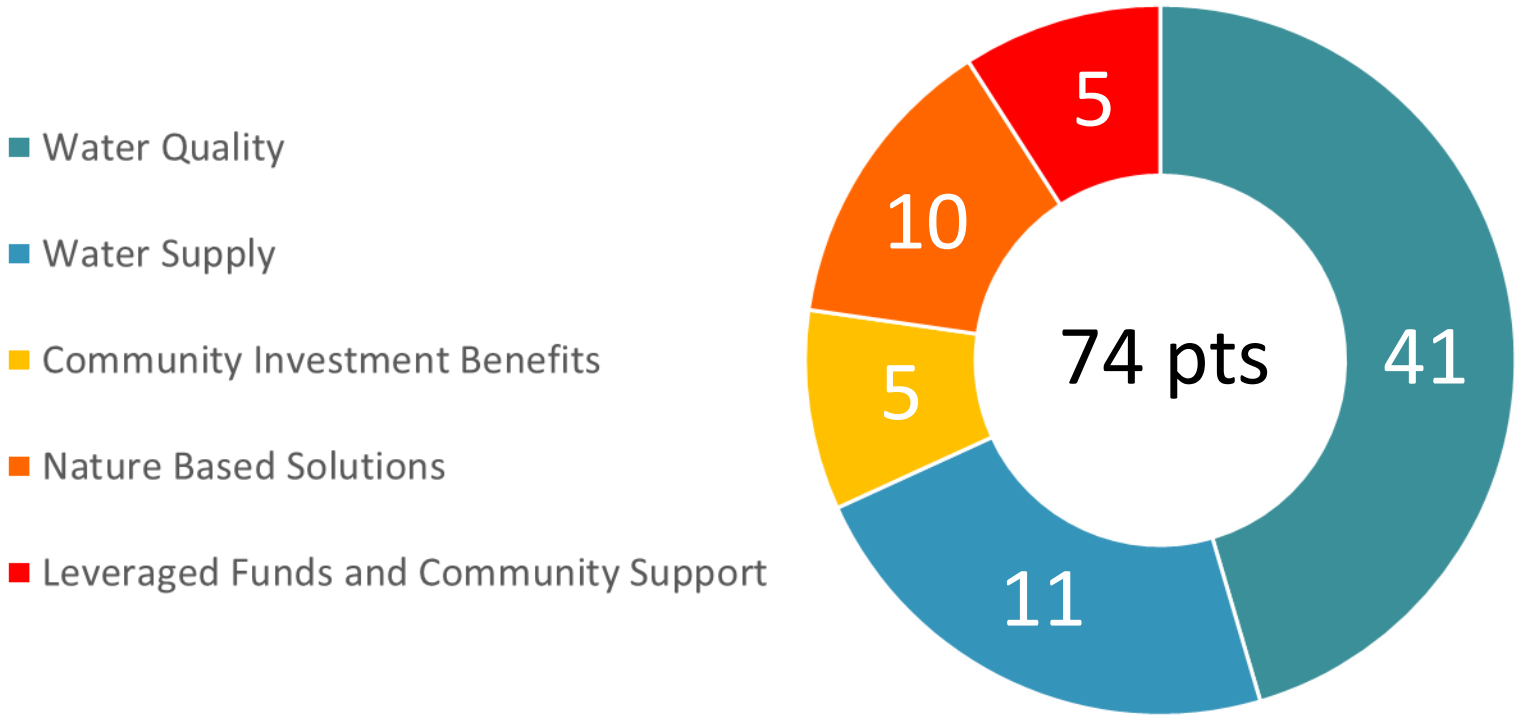
- Total Life-Cycle Cost: $12,208,797.30 over 30 years
- Annualized Life-Cycle Cost: $653,453.40
- Annual Cost for Maintenance, Operation, & Monitoring: $103,513.00

Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	$333,407.38	Planning	Obtaining permits and engaging in environmental compliance (including CEQA) and other reconnaissance during design phase
1	$580,666.44	Design	Formal design drawings will be developed for the project (30% - 100%).
2	$20,000	Bid/Award	Send project out for bid and award to contractors after design phase
2	$6,226,053.24	Construction	Construction of the project will begin during 2026.
TOTAL	**$7,160,127.06**		

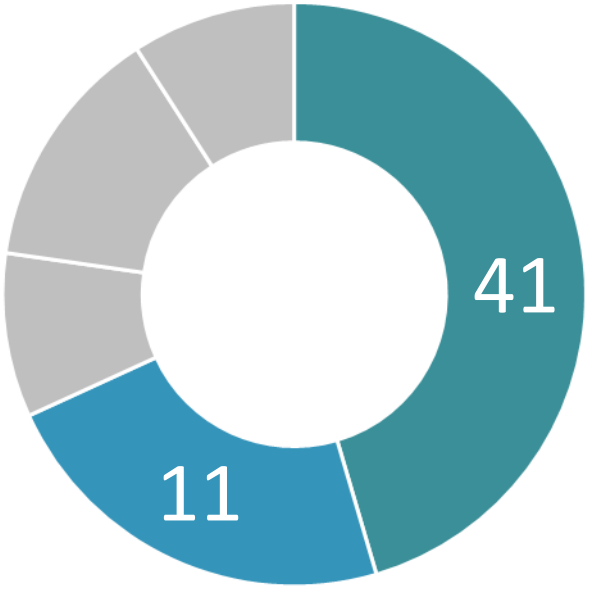
- Leveraged Funding from Caltrans Cooperative Implementation Agreement (CIA) dated 6/7/23: $3,114,685.00 (30.3% of total project cost)
- Future potential SCW funding requests may arise for the remaining two facilities for the Arroyo Seco Projects

Score as confirmed by the Scoring Committee



The Scoring Committee confirmed this score on **12/7/2023**

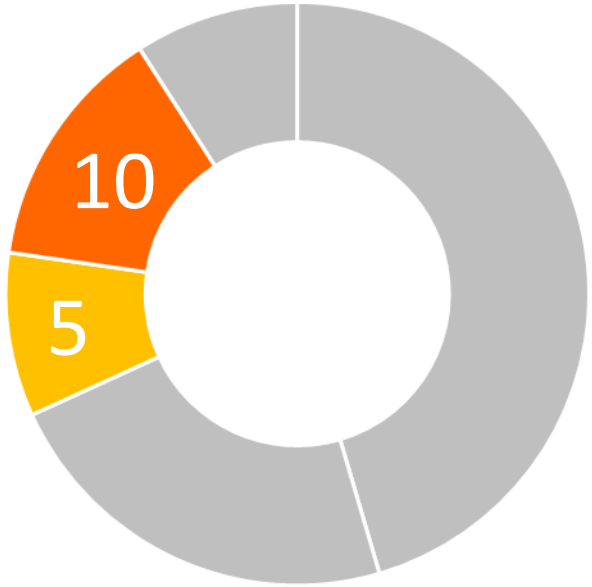
Water Quality & Water Supply Benefits



The Scoring Committee confirmed this score on **12/7/2023**

- Primary mechanisms that achieve Water Quality and Water Supply Benefits claimed
- The project will be sized to capture, bioretain, and infiltrate runoff associated with the 24-hour, 85th percentile storm.
- **Wet Weather Project**
- **Tributary Area:** 165 acres
- **24-hour BMP Capacity:** 5.61 ac-ft
- **10-yr Primary Pollutant Reduction (Total Zinc):** 97.6%
- **10-yr Secondary Pollutant Reduction (Total Copper):** 97%
- **Annual Water Supply Volume:** 57.55 ac-ft
- **Water Supply Aquifer:** Main San Gabriel Groundwater Basin
- **Water Supply Cost Effectiveness:** 5.61 ac-ft/$9.34M (0.60)
- **Water Quality Cost Effectiveness:** $11,355/ac-ft

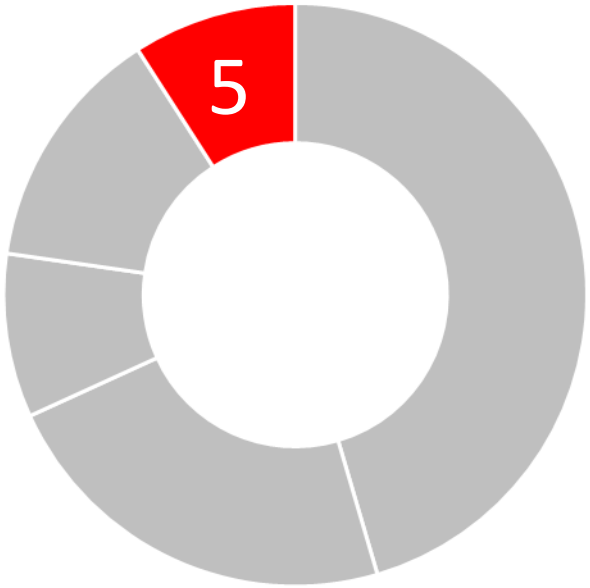
Community Investment Benefits and Nature Based Solutions



The Scoring Committee confirmed this score on **12/7/2023**

- Community Investment Benefits
  - Enhance park space through addition of native plants
  - Enhance existing soccer fields
  - Increase number of trees and vegetation to increase shade and reduce local heat island effects
- Nature Based Solutions
  - Installation of a below-ground infiltration system to decrease the impact of pollutants in stormwater
  - Addition of native vegetation, including trees and shrubs.

Leveraging Funds and Community Support



The Scoring Committee confirmed this score on **12/7/2023**

- Leveraging Funds
  - Caltrans CIA Commitment of $3,114,685
  - 30.3% funding matched
- Community Support
  - This project is supported by Caltrans, City of Pasadena, South Pasadena Little League, the American Youth Soccer Organization, and Active SGV.
  - City of South Pasadena and LACFCD met with several key stakeholders during 12/2021 and implemented into the preliminary design report.
  - If funded, this project will continue outreach to the impacted community to seek input on construction scheduling and other potential impacts.

Questions?

Ted Gerber

Jon Abelson

Bowtie Demonstration Project

Infrastructure Program

Fiscal Year 2024-2025

Upper Los Angeles River Watershed Area

The Nature Conservancy & California State Parks

Kelsey Jessup, The Nature Conservancy

Previously Awarded TRP – No

Project Overview

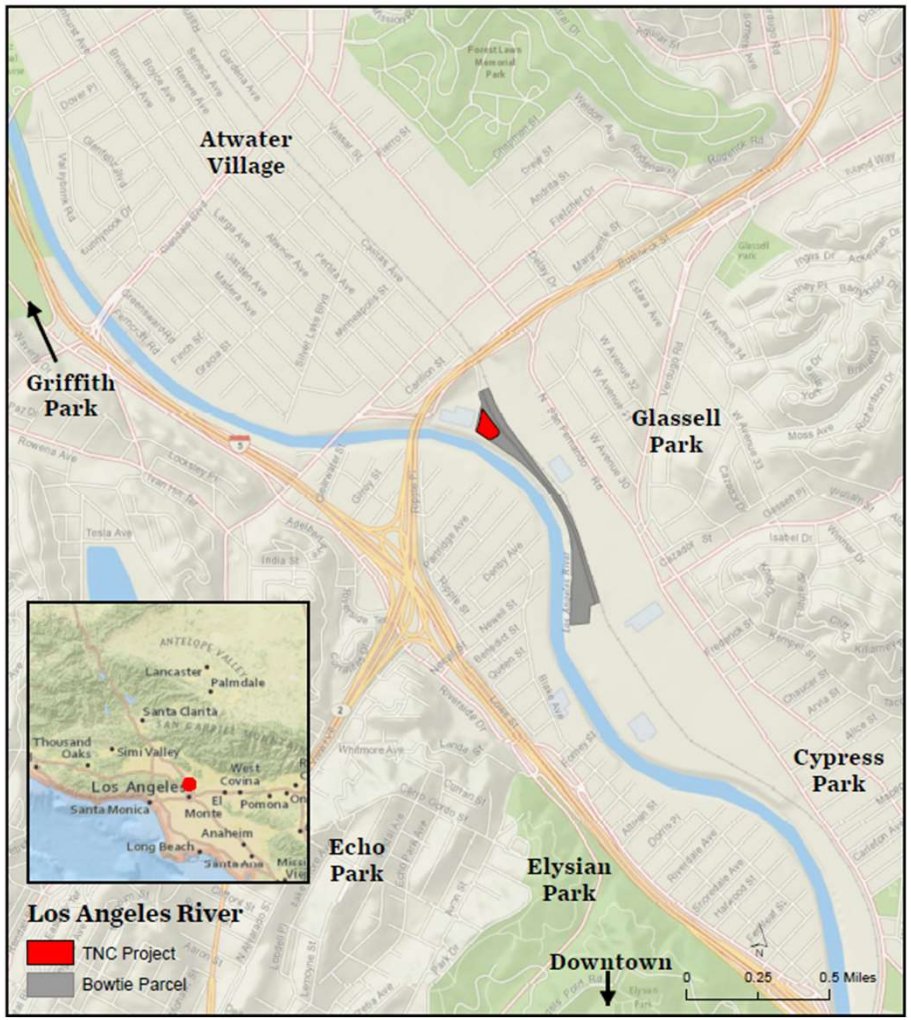
The Project is a multi-benefit stormwater management and habitat enhancement demonstration project along the LA River.

- Primary Objective: Improve water quality
- Secondary Objectives: Enhance LA River habitat
- Project Status: SCW funding is being requested for O&M
- Total Funding Requested: $1,833,790.00

Project Location

- The Project is located within the Upper Los Angeles River Watershed Area

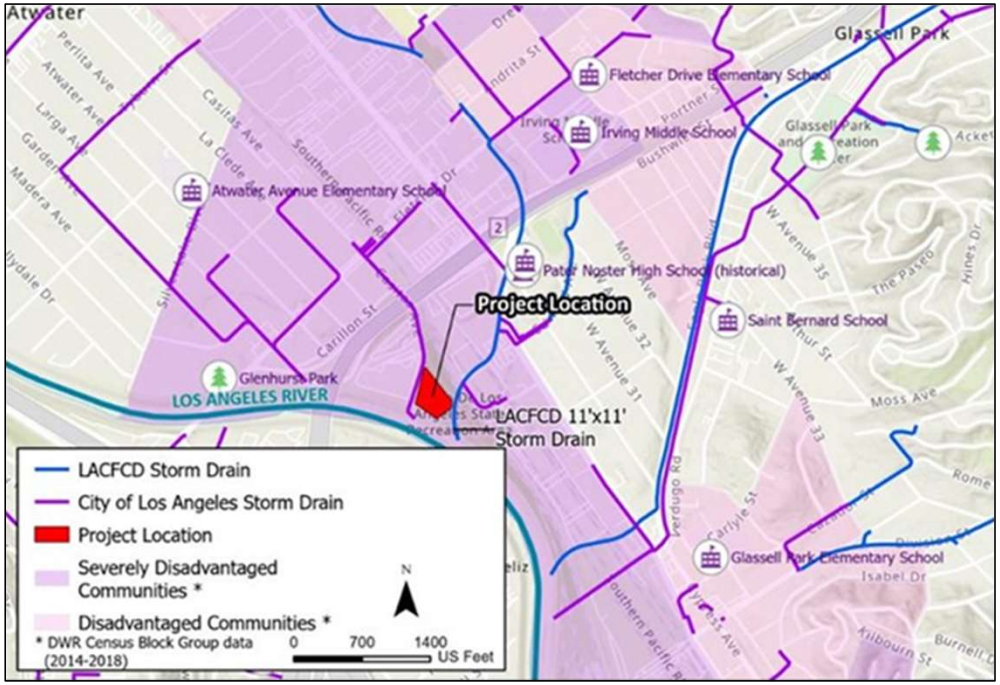
Project Location

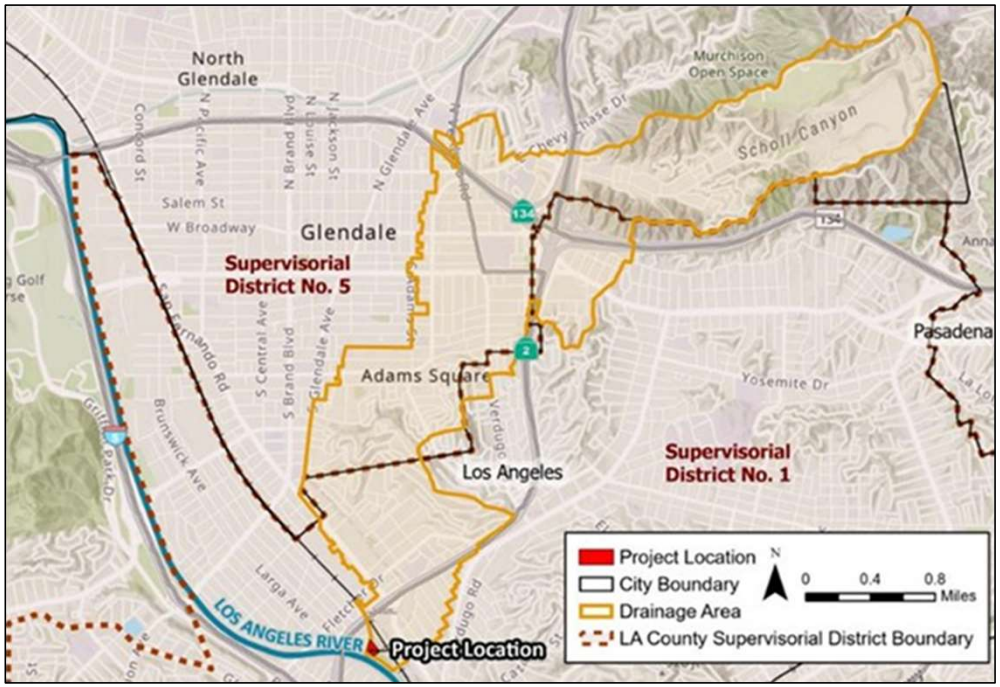


The Project is located within the City of Los Angeles and will benefit the Cities of Los Angeles and Glendale

Project Location

The Project will capture water from a catchment area of approximately 2800-acres





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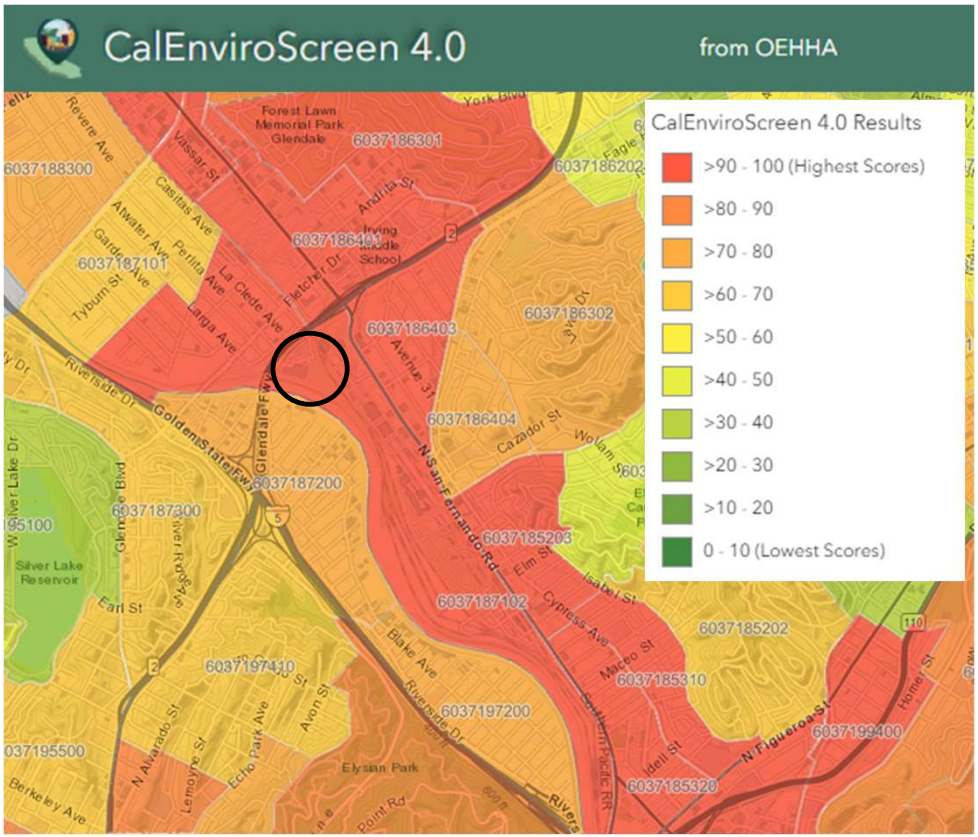
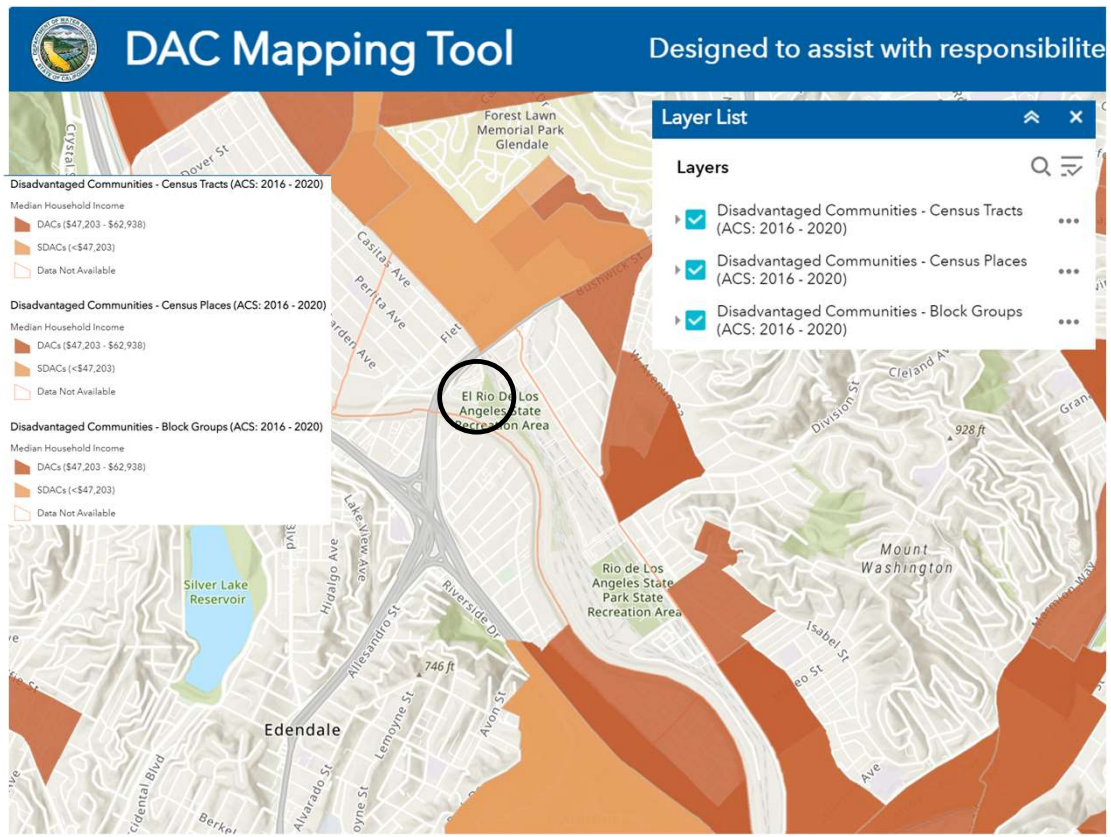
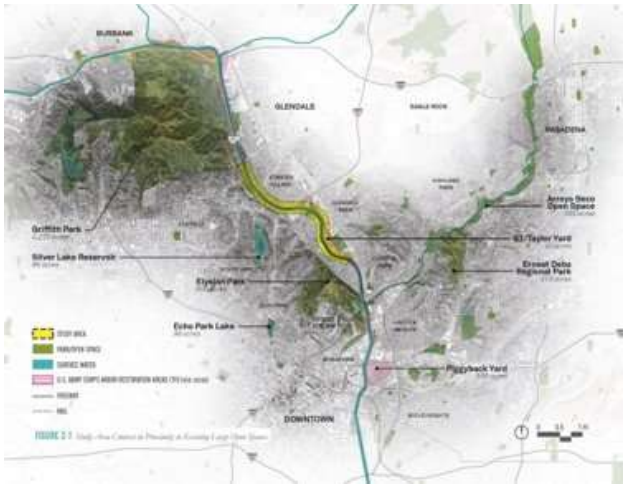
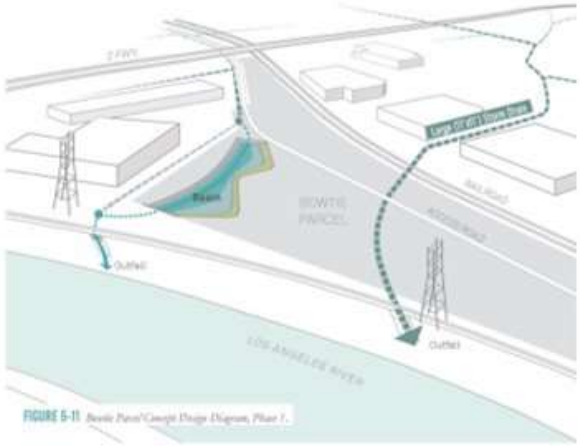




Project Background

- Why was the Project Location selected & how was the Project developed?
  - In 2016, TNC completed a study of historic ecology, historic and existing hydrological and hydraulic conditions, & a year of biological surveys of a 2.5 mile stretch of the LA River.
  - TNC used a matrix of criteria to select two sites within the Study Area to examine & develop conceptual designs.
  - The Bowtie Parcel was selected as the optimal location for siting a project with multiple benefits including water quality improvements and increased wildlife habitat.
  - Stantec was brought on in 2022 to complete design & permitting for the Project.
- Which regional water management plan includes the proposed project?
  - Upper Los Angeles River subregion of Integrated Regional Water Management Plan





Project Background

- Description of benefits to municipality/municipalities

- The project will capture and treat dry-weather stormwater flows from a highly industrial and commercial area.
  - Maximum measured dry weather flow is 0.33 cfs
  - Once dry weather flow is collected and treated, the fill and draw pump will outflow 0.5 cfs
- The project will address the primary and secondary pollutants of concern: bacteria (fecal coliform), copper (dissolved and total) and zinc (dissolved and total).
  - Debris Separating Baffle Box retains 100% trash and debris => 5mm diameter
  - Media Filter System reported 85% removal TSS, 70% removal of phosphorus, 99% removal of oil and grease, 72-98% removal of copper, lead & zinc, and 68% removal of bacteria.

- Description of benefits to Disadvantaged Communities

- The project is in and surrounded by disadvantaged and severely disadvantaged communities. The project will improve urban runoff water quality entering the Los Angeles River & will provide the following benefits to the community.
  - Creates, enhances, and restores park space, habitat, and wetland space
  - Improves public access to waterways
  - Creates and enhances new recreational opportunities
  - Reduces heat local island effect and increase shade
  - Increases shade and the number of trees and vegetation at the site location
  - Improve flood management, flood conveyance, or flood risk mitigation

Partners

- Who are the implementation partners already identified?
  - CA State Parks
  - City of Los Angeles
  - Mountains Recreation & Conservation Authority
  - Army Corps of Engineers
- What communities or groups have expressed support for the project?
  - Neighborhood Councils:
    - Elysian Valley Riverside, Atwater Village, Glassell Park
  - Anahuak Youth Sports Association
  - Los Angeles River State Park Partners
  - Representative Adam B. Schiff
  - Senator Maria Elena Durazo
  - Supervisor Sheila Kuehl
  - Supervisor Hilda L. Solis
  - Clockshop
  - Friends of the LA River
  - 100-Acre Partnership

Partners

- Have you received a letter of concurrence from the municipality (if needed) **Yes**
- Have you received a letter of concurrence from the Flood Control District (if needed) **Yes**
- Have you yet engaged the appropriate vector control district about the project concept? **Yes**

Outreach and Engagement

Ongoing
Monthly attendance at four local Neighborhood Council (NC) meetings since 2019

January 2022
Compensated site visit with tribal representatives

Summer 2023
Preliminary presentations and conversations with NCs to discuss ideas for project remediation

Spring 2023
Bilingual community meeting about 90% project design and public comment opportunities, co-led with Anahuak

Site visit and discussion with unhoused community advocacy organization

Summer 2023
4 Bilingual, multi-generational, native plant workshops

TODAY

Spring 2019 - Spring 2020
Nature-based project community priorities scope led by Mujeres de la Tierra, FoLAR, and Prevention Institute

Spring 2021 - Spring 2022
State Parks conceptual design community engagement

Summer - Fall 2022
Celebrating brownfield transformation through a two-month soccer tournament and 4 community conversations, led by Anahuak Youth Sports Association (Anahuak)

Outreach and Engagement

FROM COMMUNITY OUTREACH TO COMMUNITY CONNECTIONS

Photo credit: Pea Nunez

Outreach and Engagement

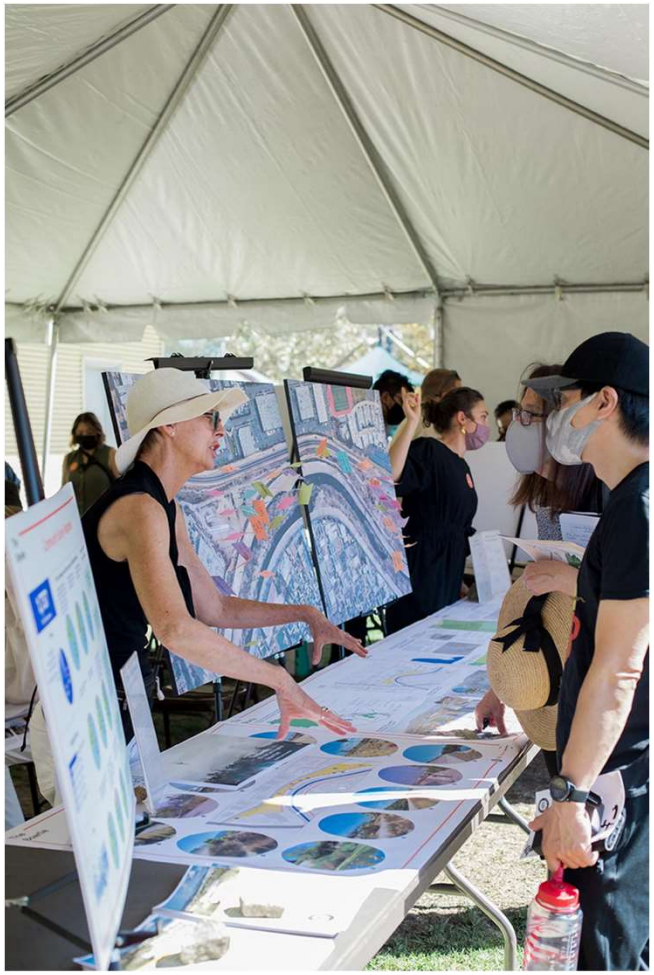


Photo by Gina Clyne courtesy of Clockshop

Outreach and Engagement

CAPACITY-BUILDING

COMMUNITY PRIORITIES

CONSISTENCY

TRANSPARENCY

TIMELINESS

GRASSROOTS

LISTENING

RECIPROCITY

Table 5. Summary of Community Priorities and State Parks' Commitments to the Community

Community Values	Community Priorities	State Parks' Commitments
Nature and Habitat Restoration	• Design with native landscaping features • Restore wetland habitat and support wildlife	• Develop the project with site-appropriate native habitats and restoration as key components
Open Spaces	• Provide opportunities for the community to interact with the landscape, such as: • Accessible trails • Tree canopied seating areas • Green open spaces for picnicking	• Balance the desire of supporting wildlife and habitat while also providing opportunities for people to enjoy nature and open space
Safety and Accessibility	• Identify adequate access points to the park to ensure safety and accessibility • Confirm safety protocols of the site (treat contaminated soil, assess flood and storm risks, erect safety barriers near the river) • Provide support to the unhoused community in the area	• Design a park that will be both safe and comfortable for the wide variety of park users
Land Sovereignty and History	• Honor and value the history of the project's land through: • Land acknowledgements • Educational programs on history of local indigenous people, • Dedicated native and sacred plant gardens onsite • Future collaborations with local tribes on restoration efforts	• Continue to build lasting partnerships with local indigenous groups both in and beyond the park planning stage
Community Installations and Programming	• Create historical, cultural, and environmental installations or programs to provide interactive educational opportunities	• Continue to seek out and support opportunities that will create meaningful and relevant programming and events

Outreach and Engagement

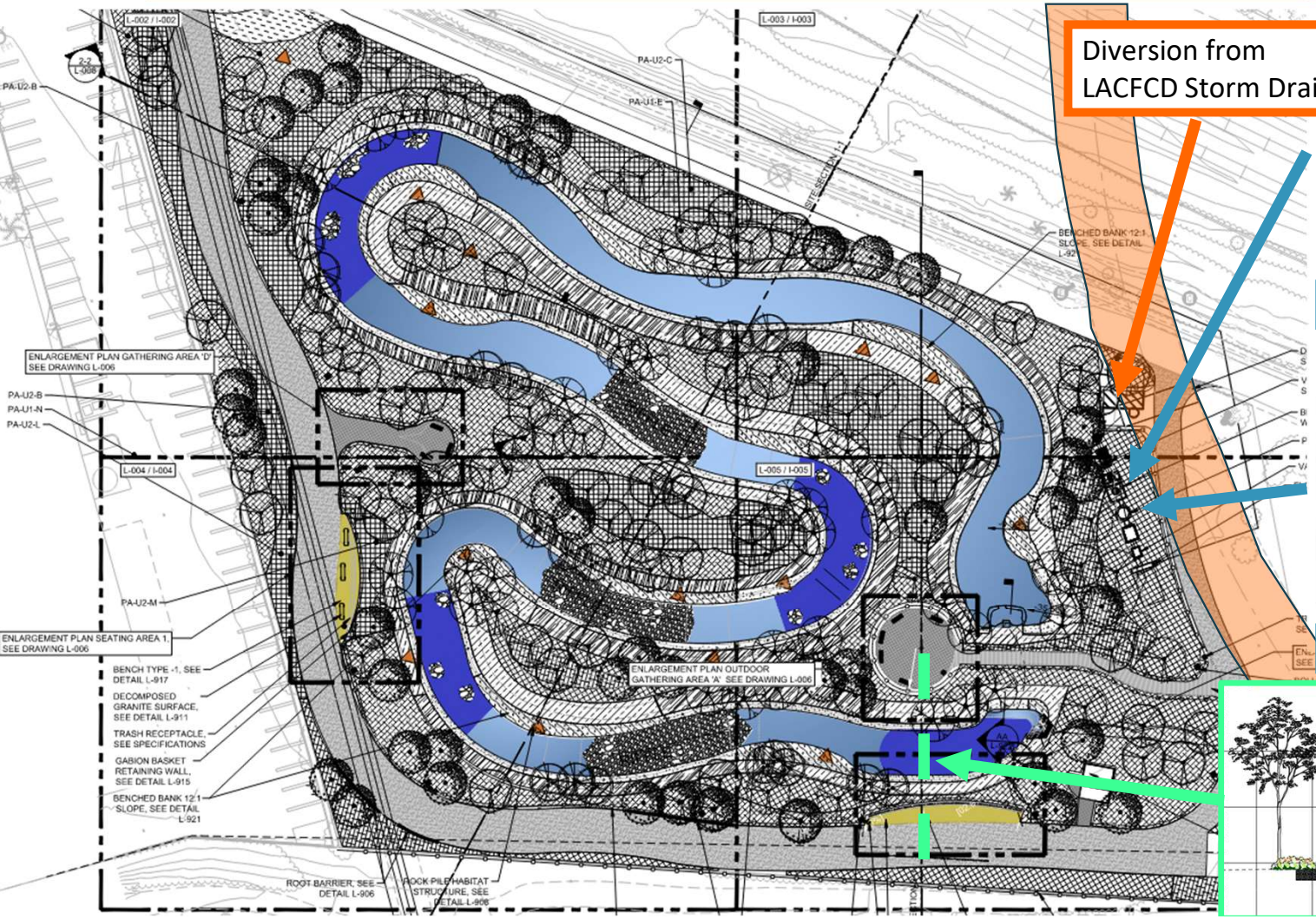
- Activities have included:
  - Developing best practices for engagement through partnerships with Mujeres de la Tierra, FoLAR, and Prevention Institute
  - Attendance & Participation at Neighborhood Council meetings
  - Indigenous community member outreach
  - Unhoused community member outreach
  - Collaboration with local on-the ground partners, e.g. Anahuak Soccer Club, Audubon at Debs Park, SELAH, and Educate Our Community
  - Open & regular communication about soil contamination on the site & cleanup plans

Project Details

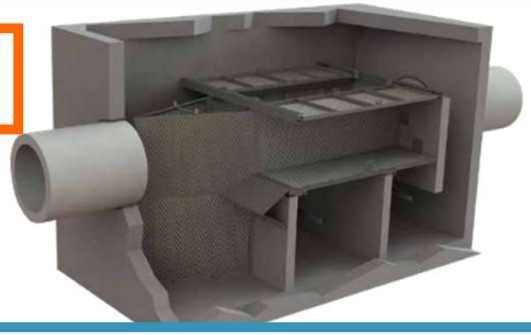
- 3.4-acre portion of the 18-acre Bowtie Parcel
- Treat dry weather flows from a 2,775-acre drainage area across City of LA and Glendale
- Diverts flows from LACFCD Storm Drain and includes the following elements:
  - Debris Separating Baffle Box
  - Media Filter System
  - Constructed Wetland
  - Native Plantings
  - Walking paths
  - Educational Signage

Project Details

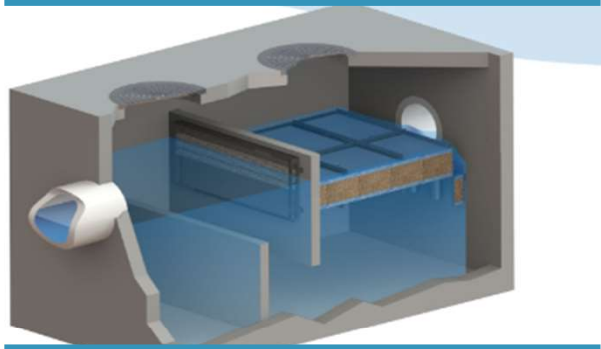
Project Details



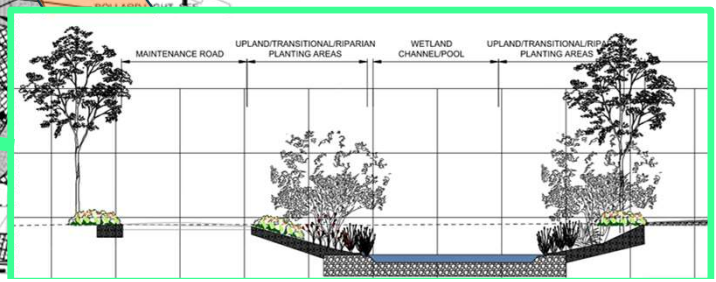
Diversion from LACFCD Storm Drain



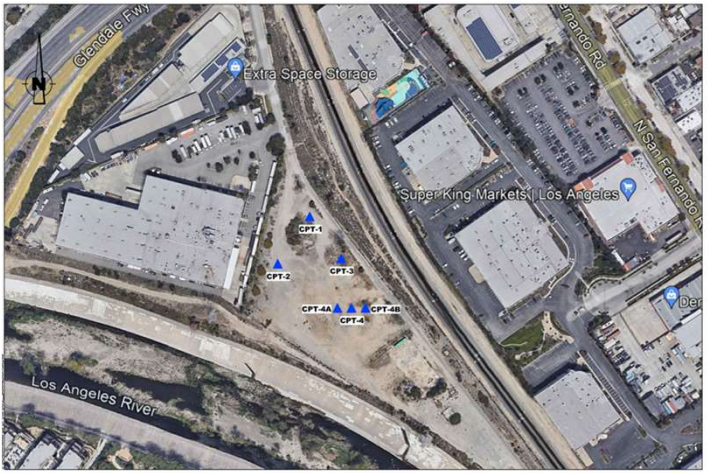
Debris Separating Baffle Box (Contech)

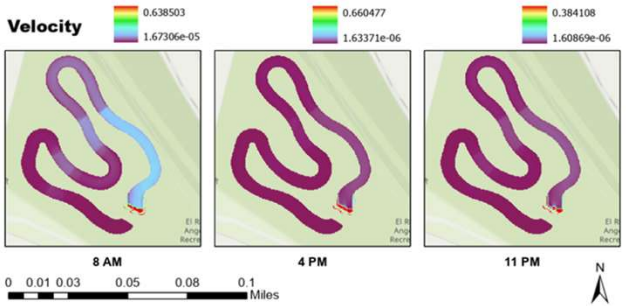


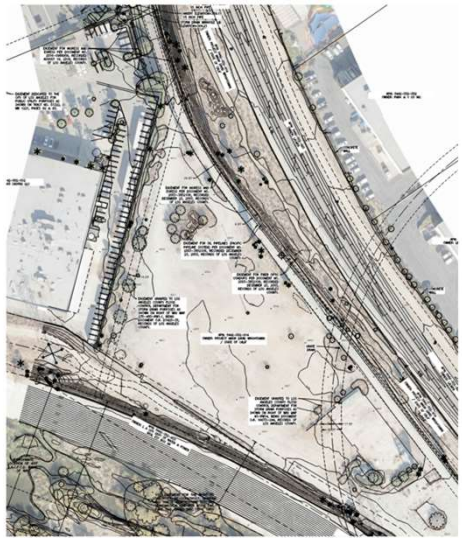
Media Filter System (Bioclean Water Polisher)



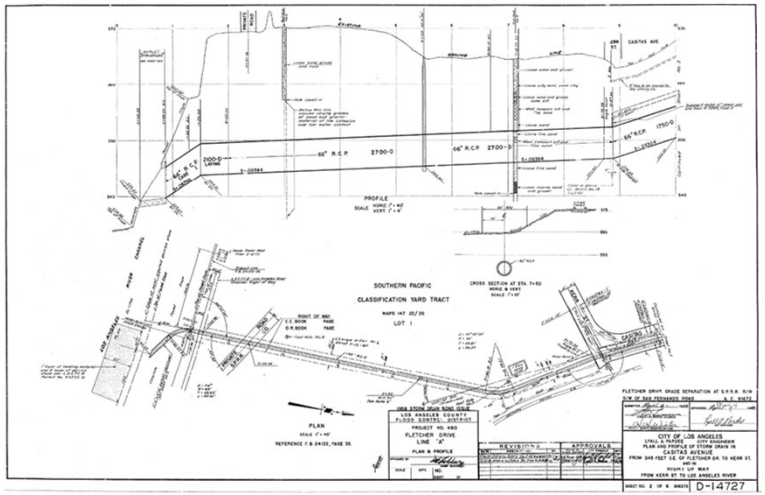
Project Details







- Completed Site Investigations
  - Site Surveys
  - Geotechnical Investigations
  - Hydrologic Analysis
  - Soil Sampling
  - Utility Analysis



Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Includes Feasibility Studies and Concept Designs and Planning Phase Community Outreach & Engagement	$305,631.00	April 2022
Design	Includes Engineering Design Drawings, Permitting and Design Phase Community Outreach and Engagement	$1,494,369.00	January 2024
Bid/Award	Includes Bid and Award Process (5% of Construction Costs)	$450,000.00	May/June 2024
Construction	Includes Mobilization/Demobilization, Construction of Project Management, Escalation Costs, Unallocated Contingencies	$9,000,000.00	January 2026
TOTAL		**$11,250,000.00**	

30-year life-span	
	Life-Cycle Cost: $18,282,507.16
	Annualized Cost: $978,537.54

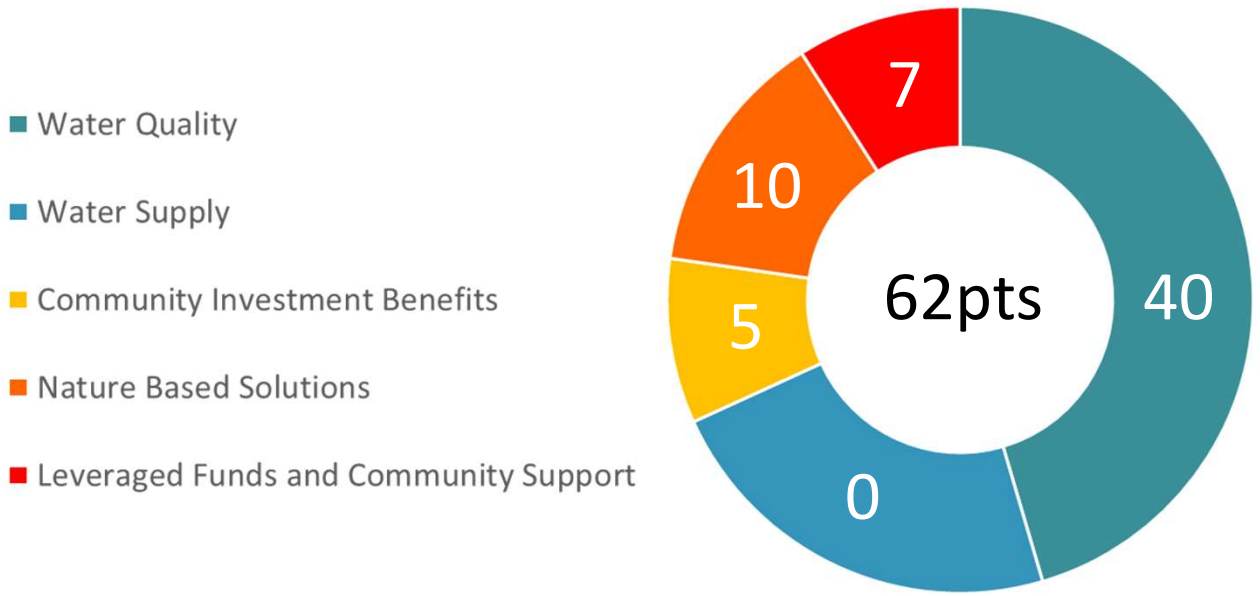
- Description of Annual Costs
  - Landscape maintenance
  - General site maintenance (e.g. trash, railings, paths, lighting, graffiti removal)
  - Stormwater facility structures (e.g. debris, trash removal, sediment removal; replacement & inspection)
  - Wetland pond (e.g. trash removal, sediment removal, inlet & outlet inspection)

Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	$376,402.00	O&M	O&M for Project, 2025-2026
2	$375,953.00	O&M	O&M for Project, 2026-2027
3	$349,222.00	O&M	O&M for Project, 2027-2028 Project Management (Audits, Reporting)
4	$356,933.00	O&M	O&M for Project (2028-2029)
5	$375,280.00	O&M	O&M for Project (2029-2030) Project Management (Audits, Reporting)
TOTAL	**$1,833,790.00**		

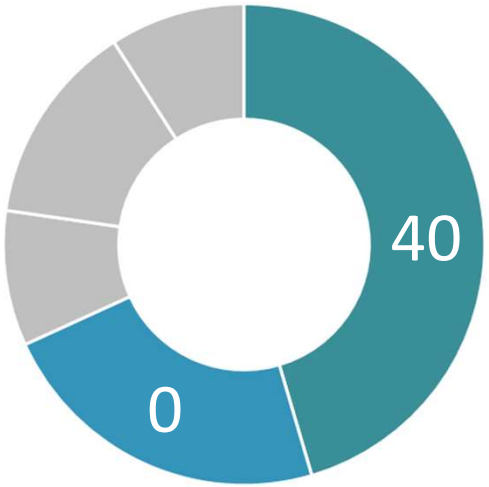
- Cost Share of $844,307 (~31%) commitment received from TNC
- Total cost of O&M over 5 years: $2,678,097 (including TNC commitment)

Score as confirmed by the Scoring Committee



The Scoring Committee confirmed this score on **12/7/2023**

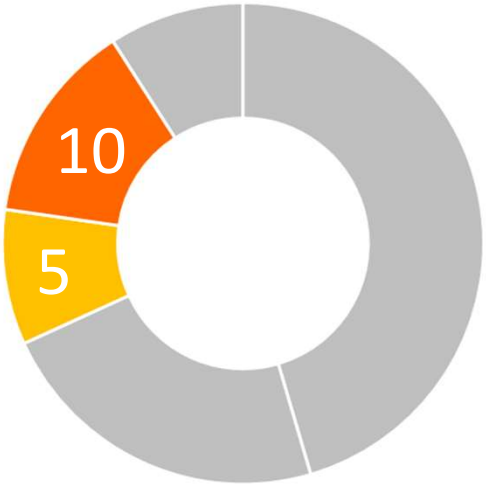
Water Quality & Water Supply Benefits



The Scoring Committee confirmed this score on **12/7/2023**

- **Primary mechanisms that achieve Water Quality Benefits claimed:** Divert, Capture, Treat, Release/Reuse
- **Dry** Weather Project : 100% of Dry Weather Flows treated/capture and partial wet weather flows
- **Tributary Area:** 2,775-acres
- Divert and treat **7.5 million gallons (23 ac-ft)** of dry weather flows annually
- Treated stormwater will be reused onsite for irrigation

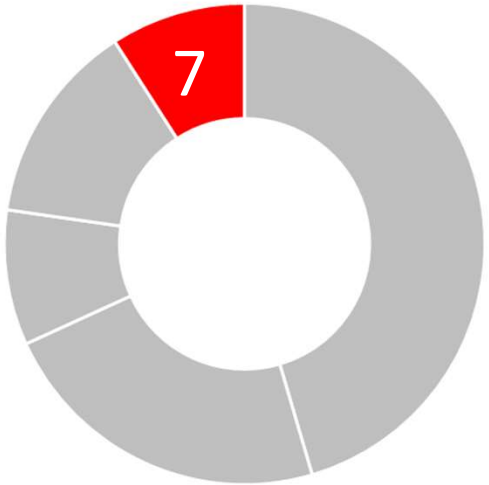
Community Investment Benefits and Nature Based Solutions



The Scoring Committee confirmed this score on **12/7/2023**

- Community Investment Benefits
  - create, enhance, or restore park space, habitat, or wetland space
  - improve public access to waterways,
  - enhance or create new recreational opportunities
  - improve public health by reducing local heat island effect and increasing shade
  - improve public health by increasing the number of trees and/or other.
- Nature Based Solutions
  - Project will implement use of native vegetation, creation and restoration of riparian habitat and the enhancement of site soils

Leveraging Funds and Community Support



The Scoring Committee confirmed this score on **12/7/2023**

- Leveraging Funds
  - 31.53% funding matched ($844,307) from the Nature Conservancy
- Community Support
  - Community support from
    - Neighborhood Councils (Elysian Valley Riverside, Atwater Village, Glassel Park)
    - Anahuak Youth Sports Association
    - Friends of the Los Angeles River
    - Clockshop
    - Los Angeles River State Park Partners
    - Representative Adam B. Schiff, Senator Maria Elena Durazo, Supervisors Hilda L Solis and Sheila Kuehl
    - 100 Acre Partnership
  - The project has engaged the surrounding communities in a variety of ways
    - working with community-based organizations to solicit community input
    - forming partnerships with tribal members in the project area
    - attending Neighborhood Council meetings
    - engaging with legislative offices
    - partnering with organizations to provide educational opportunities regarding the project.


Questions?
Kelsey Jessup

Green Street Demonstration Project on Main Street

Infrastructure Program

Fiscal Year 2024-2025

Upper Los Angeles River Watershed Area

Project Lead: City of Alhambra

David Dolphin, City of Alhambra
Chris Carandang, Paradigm Environmental

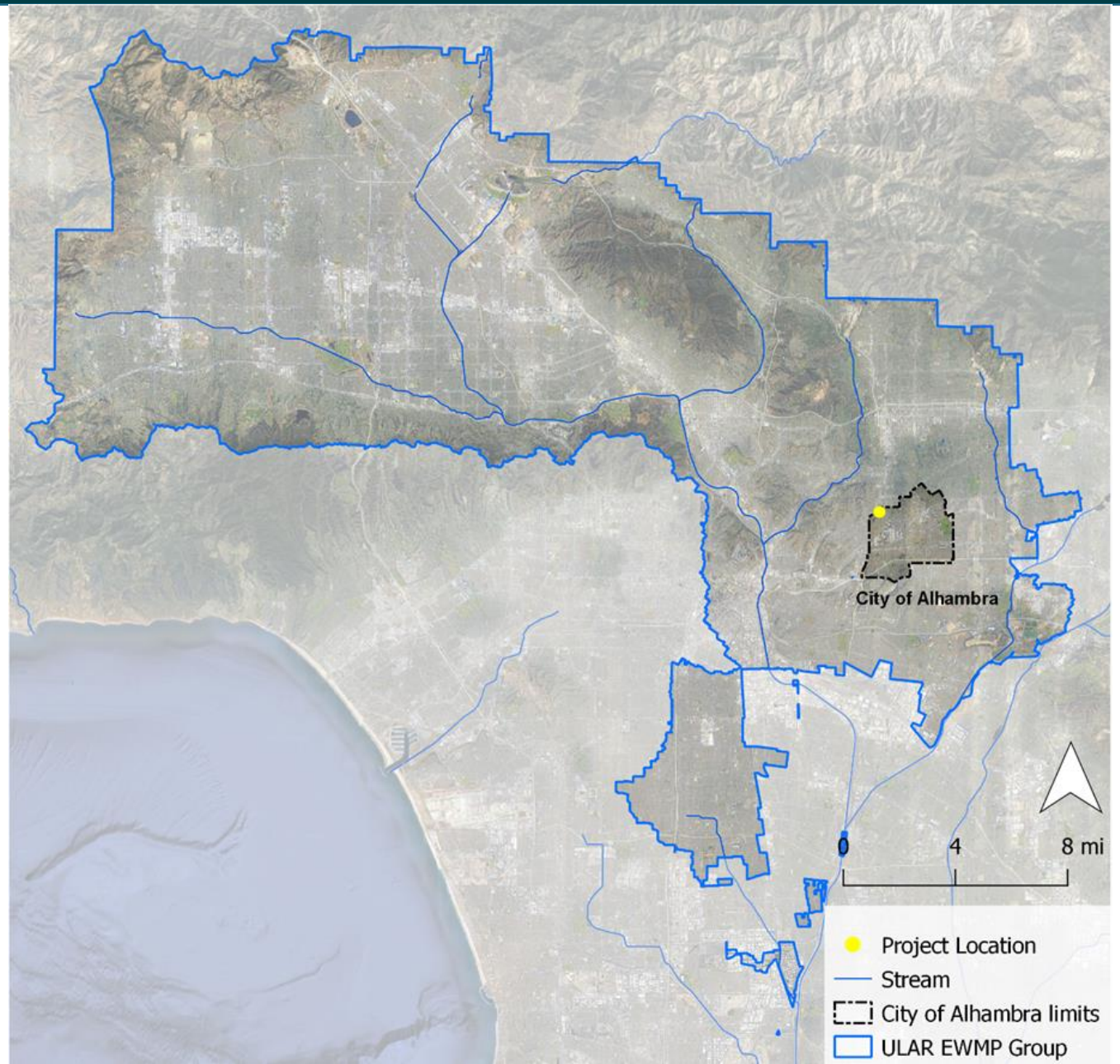
Previously Awarded TRP - Yes

Project Overview

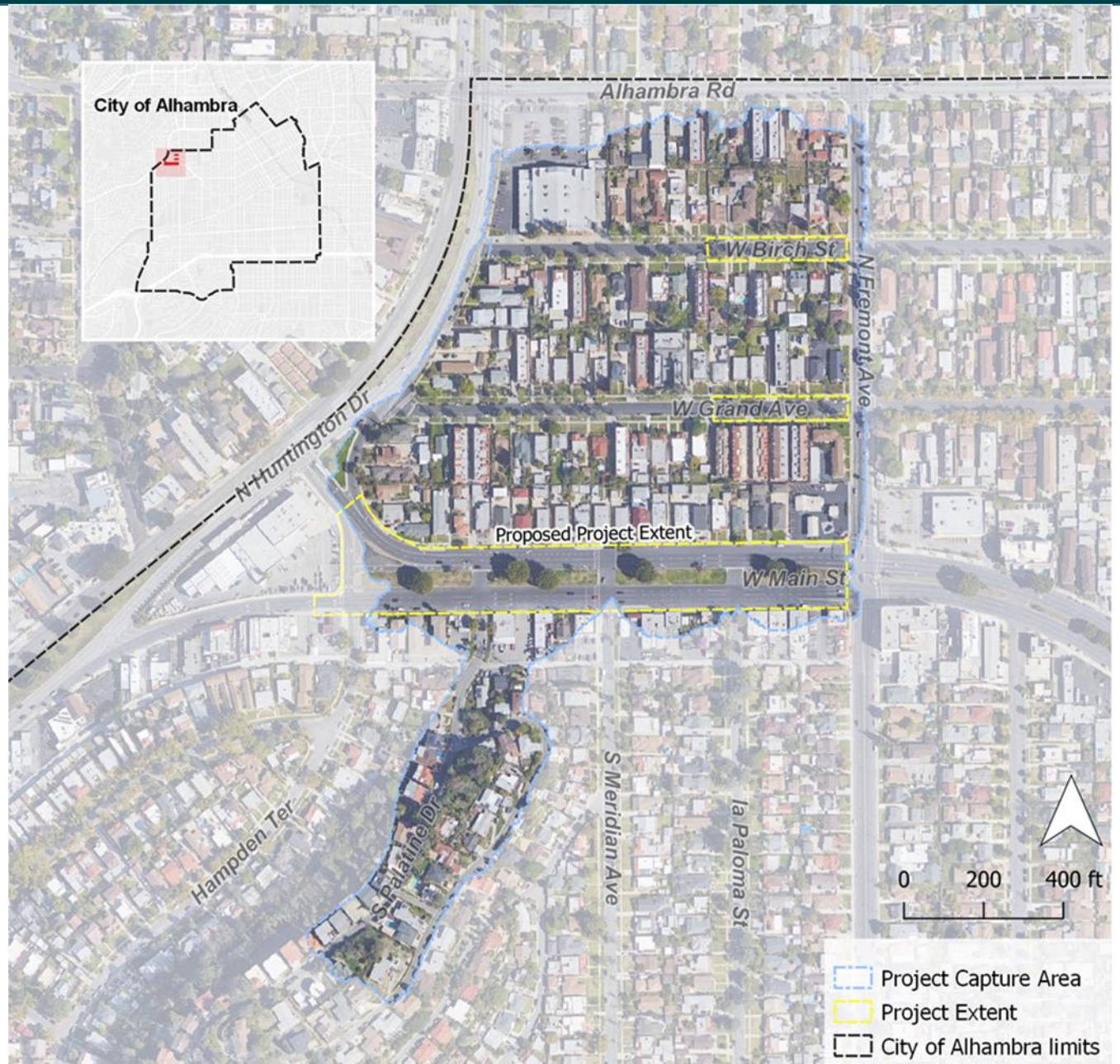
A sustainable stormwater streetscape project on Main Street near Fremont Avenue that will bring multiple benefits to the community.

- Primary Objective: Water Quality
- Secondary Objectives: Increased Greenery, Pedestrian Safety
- Project Status: Requesting Design & Construction
- Total Funding Requested: $2,027,000

Project Location



Project Location



Disadvantaged Community

Find Your Community:

Get Report

Click any park on the **map** for park details.
Or click the pin to turn it on, then click any location for half-mile data.

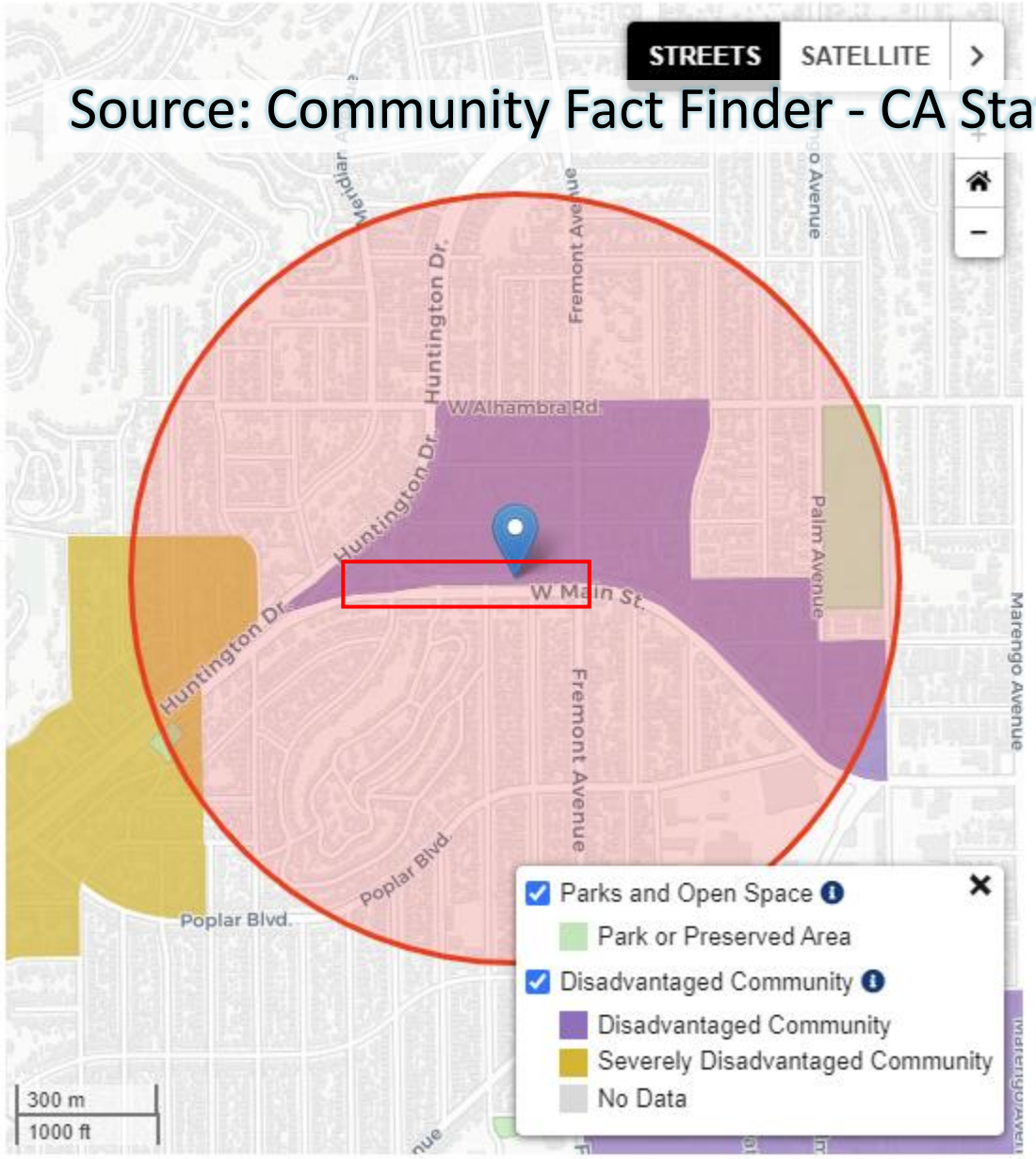
Or enter an address, city, or latitude, longitude, and then click the search button to get a report

900 fremont st alhambra | Search

Results for Alhambra (County: Los Angeles)

Latitude, Longitude	34.09533020,-118.15351725
Total Population	9,624
Youth Population	2,021
Senior Population	1,120
Median Household Income	$73,433
Per Capita Income	$33,191
People in Poverty	1,484
Households Without Access to a Car	275
Parks Total Area	12.13
Parks per 1,000 People	1.26

Source: Community Fact Finder - CA State Parks



Project Background

- Why was the Project Location selected?
  - Wide ROW that can support stormwater infrastructure with no adverse impact to parking, # of lanes, etc.
- How was the Project developed?
  - Identified in response to EWMP to meet City's stormwater regulations. Project was also included in the City's Stormwater Master Plan
- Which regional water management plan includes the proposed project?
  - 2021 ULAR EWMP
- Description of benefits to municipality/municipalities
  - Water quality improvement
- Description of benefits to Disadvantaged Communities
  - Increased greenery and pedestrian safety enhancements

Partners

- Who are the implementation partners already identified?
  - California Natural Resources Agency through an Urban Greening Grant
- What communities or groups have expressed support for the project?
  - Active SGV, API Forward Movement
- Have you received a letter of concurrence from the municipality (if needed)
  - Project entirely within City of Alhambra, the project applicant
- Have you received a letter of concurrence from the Flood Control District (if needed)
  - Does not involve modifications to FCD infrastructure
- Have you yet engaged the appropriate vector control district about the project concept?
  - Reviewed and approved by the SGV Mosquito & Vector Control District

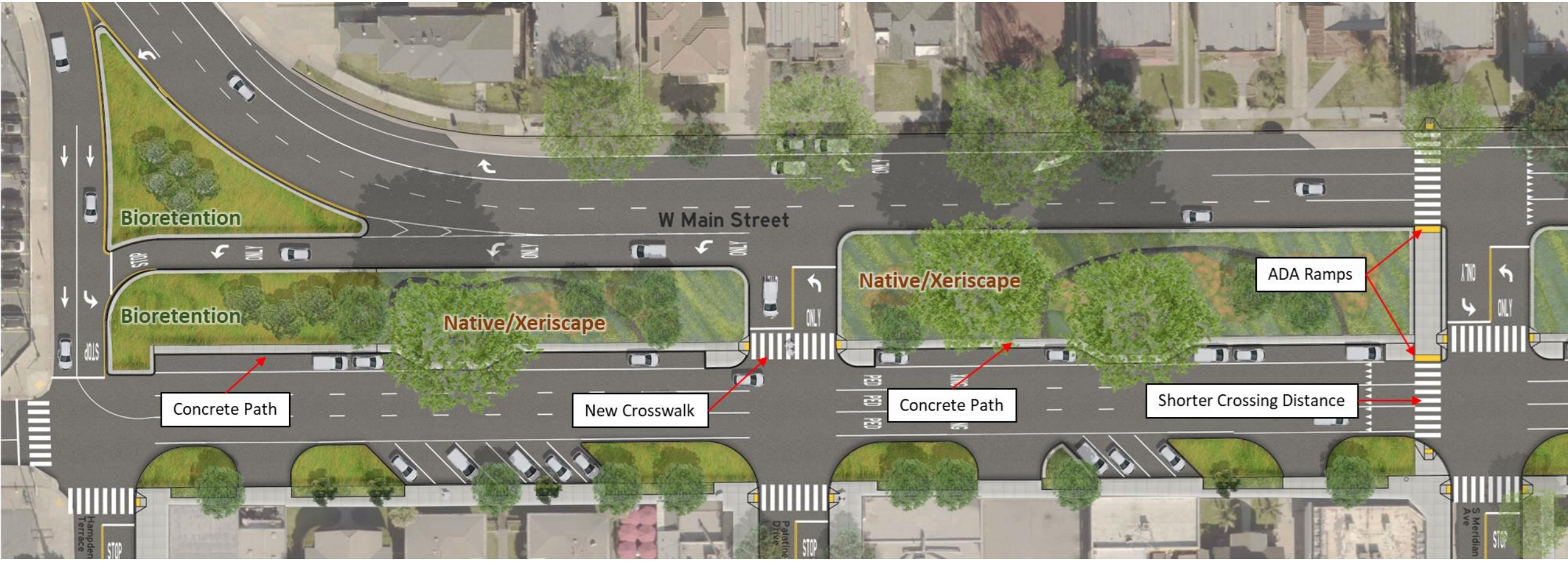
Project Details

Dry Wells

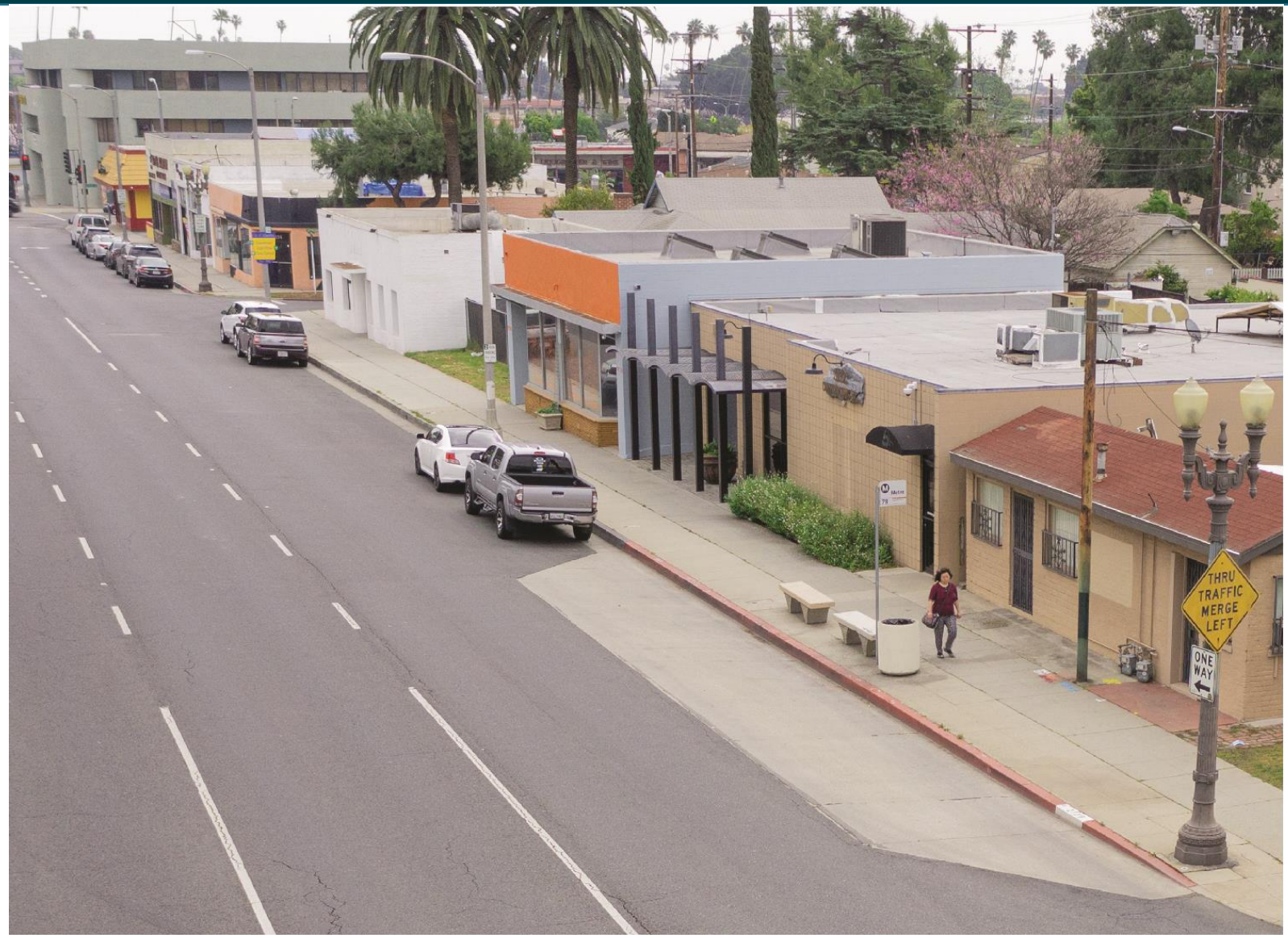
Bioretention

Project Details

Project Details



Existing Conditions



Cost & Schedule

Phase	Description	Cost	Completion Date
Design	Design, geotechnical support, surveying, permit document and fees, project administration, and grant reporting	$985,000	April 2025
Construction	Construction costs, construction inspector, construction testing, consultant support for bidding, construction, admin, closeout, and record drawings	$4,047,000	April 2026
TOTAL		**$5,032,000**	

O&M = $21,000/yr 3-year Monitoring Period = $130,000

50-year lifespan

Total 50-year LCC = $6,222,000

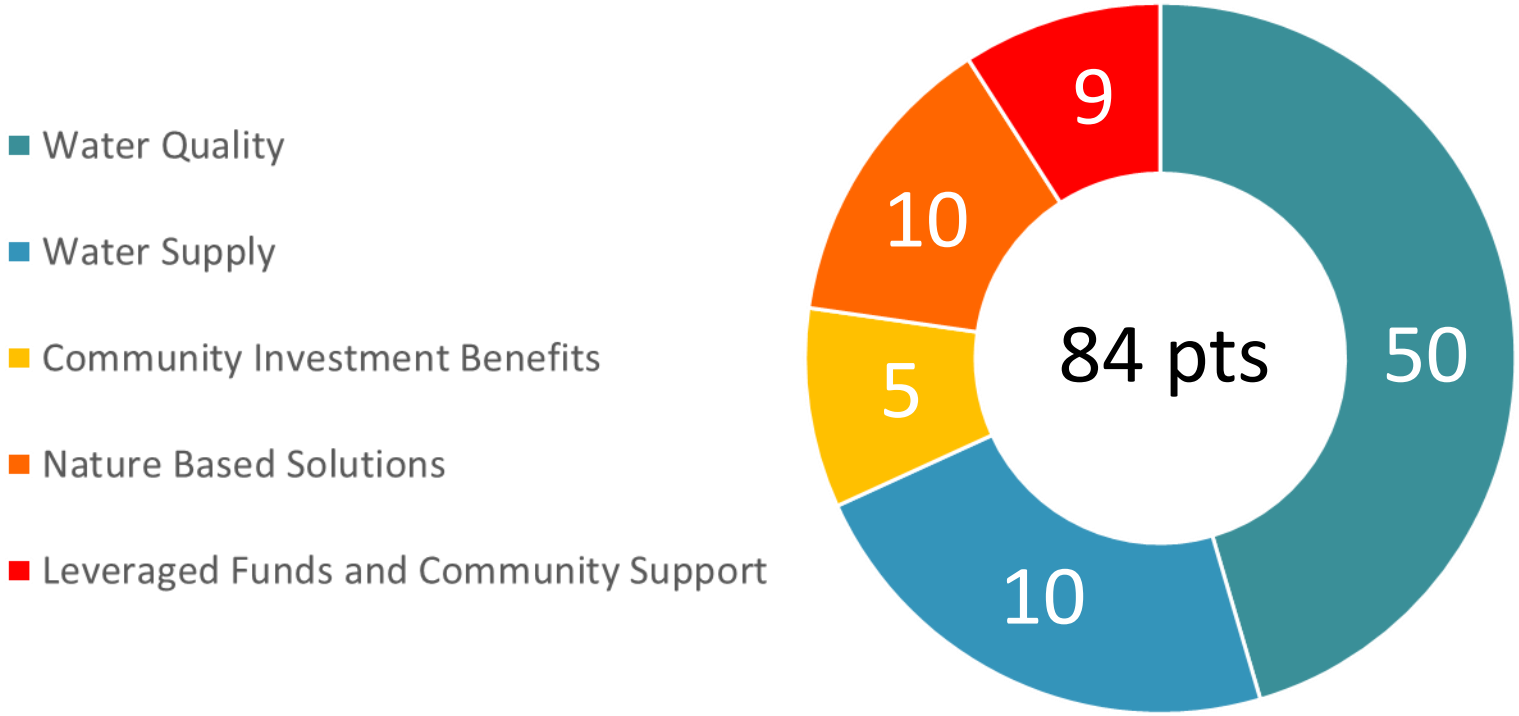
Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	$985,000	Design	Design, geotechnical support, surveying, permit document and fees, project administration, and grant reporting
2	$1,042,000	Construction	Construction costs, construction inspector, construction testing, consultant support for bidding, construction, admin, closeout, and record drawings
TOTAL REQUEST	**$2,027,000**	**40% Cost**	

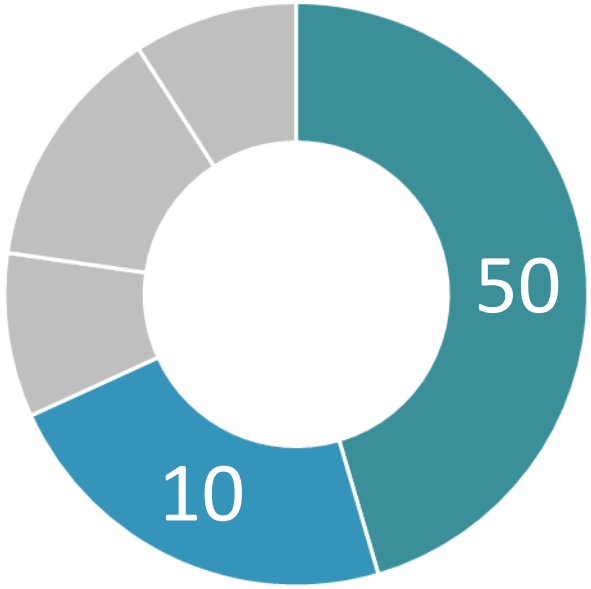
- Leveraged Funding – $3,005,040 from Urban Greening Grant (60% cost share)

Score as confirmed by the Scoring Committee

The Scoring Committee confirmed this score on 12/7/2023



Water Quality & Water Supply Benefits



The Scoring Committee confirmed this score on 12/7/2023

- 17,500 sf of bioretention + 7 dry wells
- Wet Weather
- Drainage Area = 38 acres
- Physical Storage Capacity = 1.4 AF
- 24-Hour Capacity = 5.1 AF

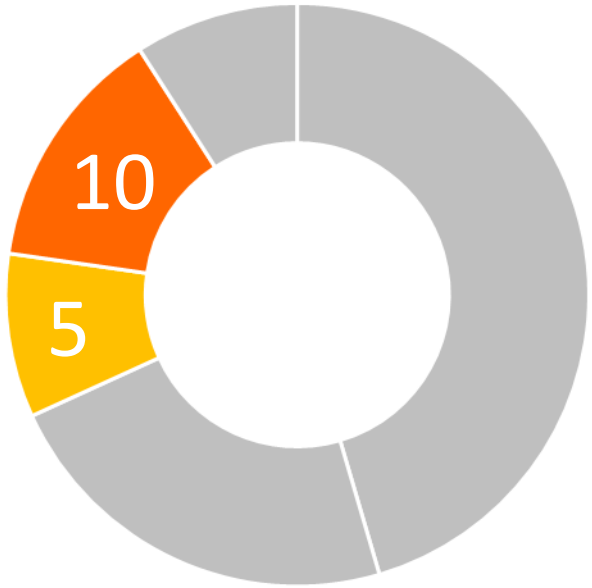
Water Quality

- A.1.1 Wet Weather Water Quality Cost Effectiveness
  - 5.1 AF/$5.02 million = 1.01 AF/$-million (20/20 pts)
- A.1.2 Wet Weather Water Quality Benefit
  - Primary Pollutant Reduction = 94% zinc (20/20 pts)
  - Secondary Pollutant Reduction = 100% trash (10/10 pts)

Water Supply

- Water Supply Use – GW aquifer recharge
- B1. Water Supply Cost Effectiveness
  - $243,022.38/18.7 AF = $12,982/AF (6/13 pts)
- B2. Water Supply Benefit Magnitude
  - 18.7 AF/yr = (4/12 pts)

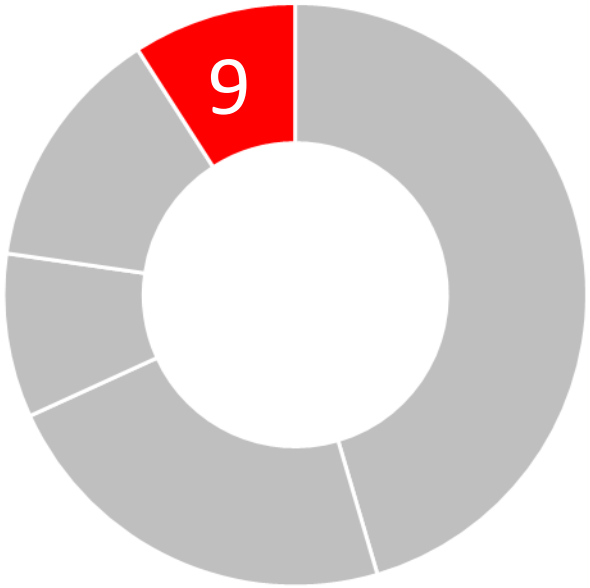
Community Investment Benefits and Nature Based Solutions



The Scoring Committee confirmed this score on 12/7/2023

- Community Investment Benefits
  - 3 distinct Community Investments (5/10 pts)
    - Urban greening
    - Pedestrian safety enhancements
    - Beautify neighborhood & frontage of local businesses
- Nature Based Solutions
  - 17,500 sf of bioretention detains, slow, and filters stormwater through vegetation and soils, mimicking natural hydrology
  - Utilizes natural materials such as soils and native vegetation (10/15 pts)

Leveraging Funds and Community Support



The Scoring Committee confirmed this score on 12/7/2023

- Leveraging Funds
  - 60% of project cost is leveraged funds through Urban Greening Grant (6/6 pts)
- Community Support
  - Workshop with community group API Forward Movement
  - Letter of support from Active SGV
  - Multiple outreach events conducted during feasibility study
    - Flyers and info booth at 2 nearby farmer's markets
    - Flyers and info booth at the City's Eco Fair
    - Presentation & public comment at City's Sustainability Commission public meeting
    - Surveyed community at onsite outreach event
  - (3/4 pts)


Questions?
David Dolphin
Chris Carandang

La Crescenta Ave Green Improvement Project

Funding Program (Infrastructure Program)

Fiscal Year 2024-2025

Upper Los Angeles River SCW Watershed Area

County of Los Angeles

Felicia Yin and Kara Plourde

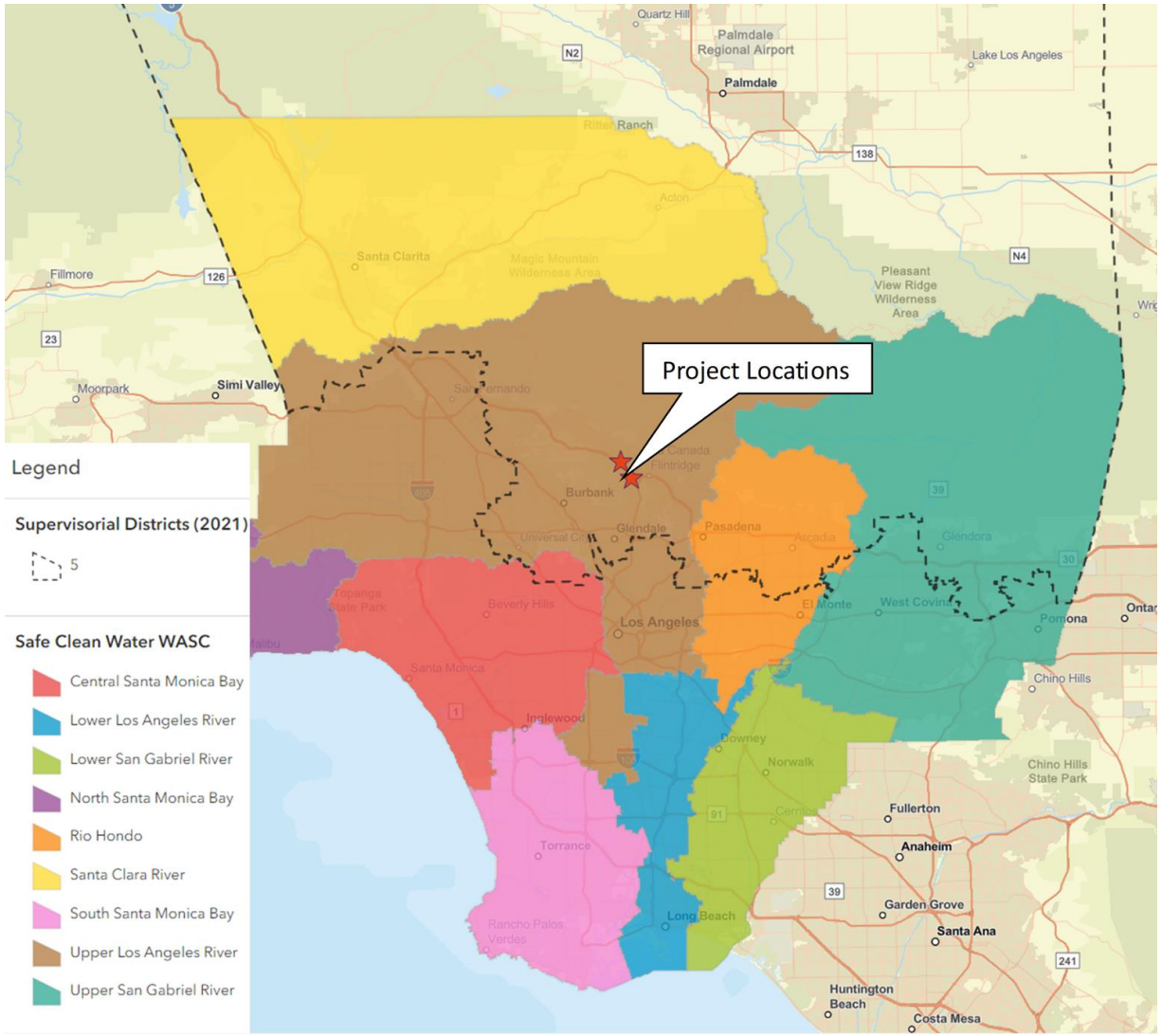
Previously Awarded TRP – No

Project Overview

The Project will divert & capture stormwater runoff through the implementation of best management practices (BMPs) within road right of way

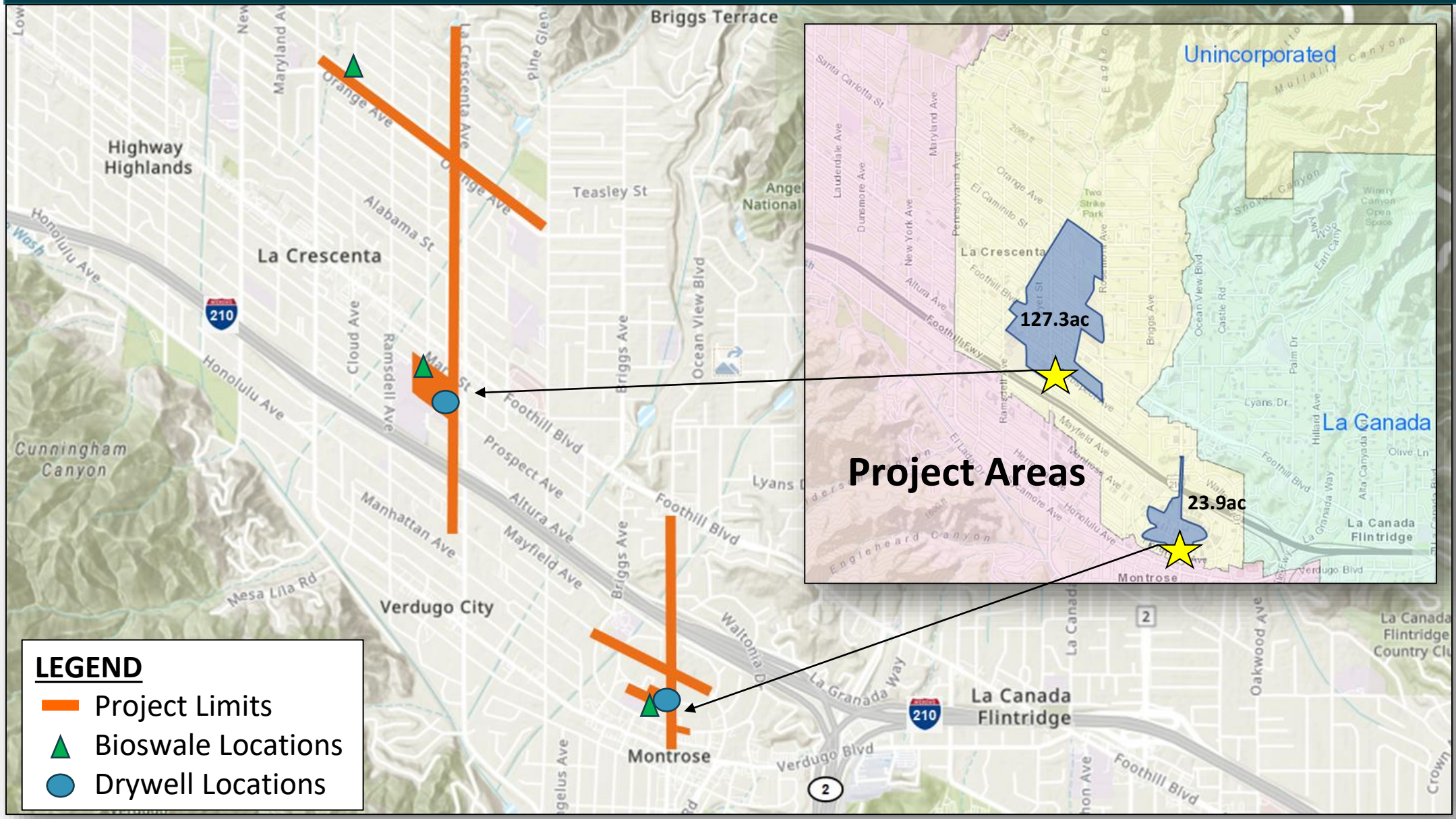
- Primary Objective: Water Quality
- Secondary Objectives: Water Supply, Community Investment, Nature-Based Solutions, Leverage Funding
- Project Status - Funding request for Design and Construction Phase
- Total Funding Requested: $2,000,000

Project Location



- Location: Upper Los Angeles River
- La Crescenta & Montrose Communities
- Tributary Area of 151.15 acres

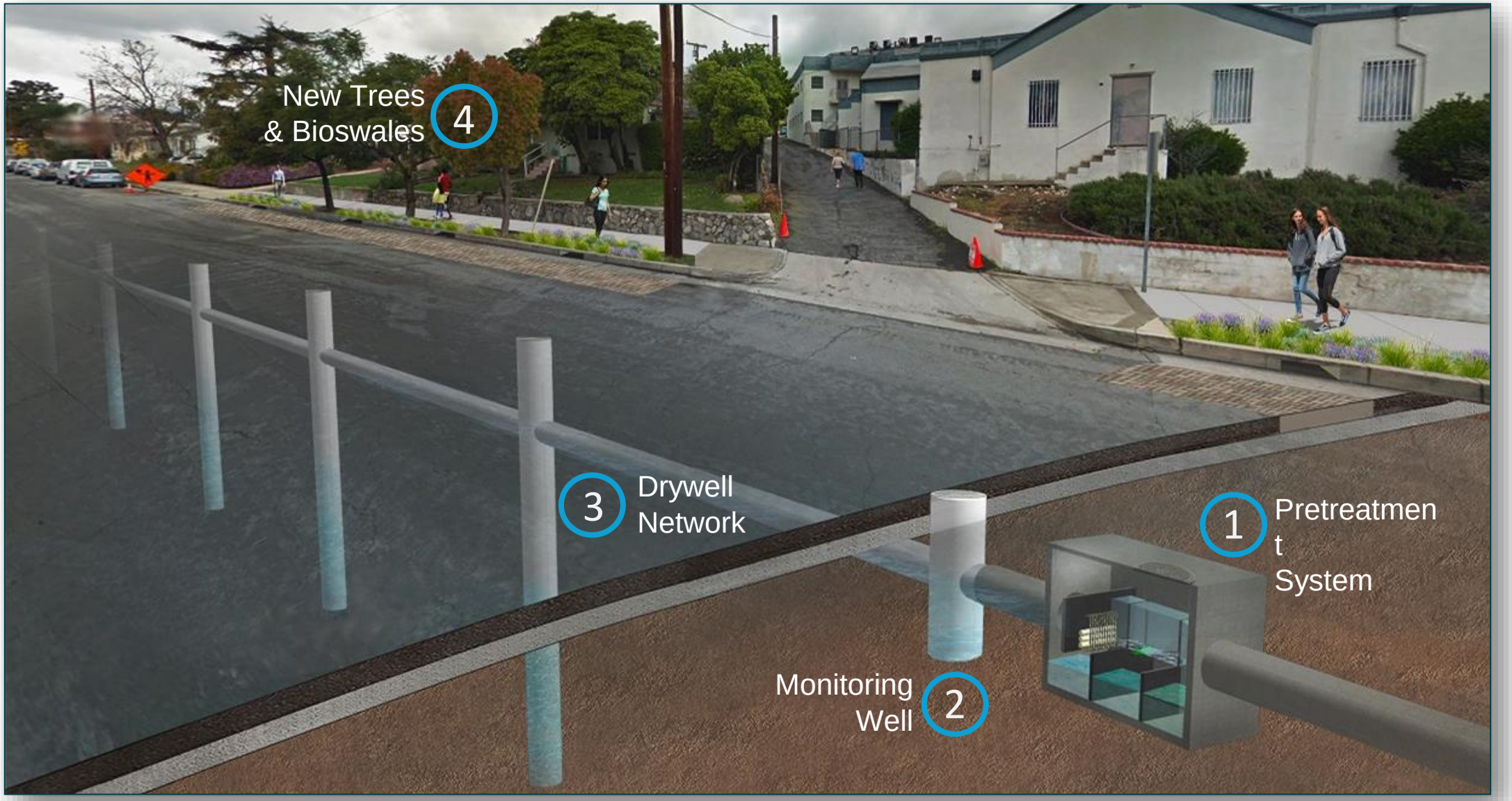
Project Background



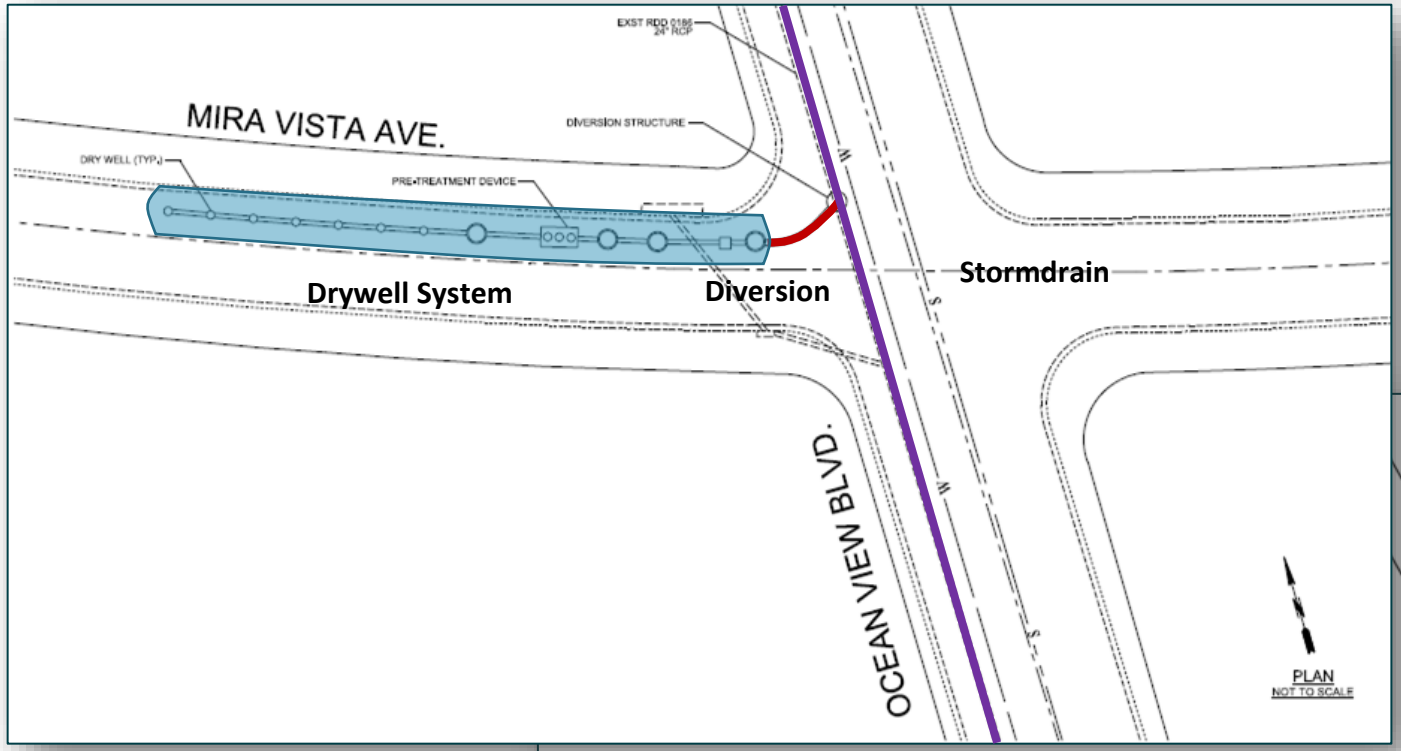
Partners

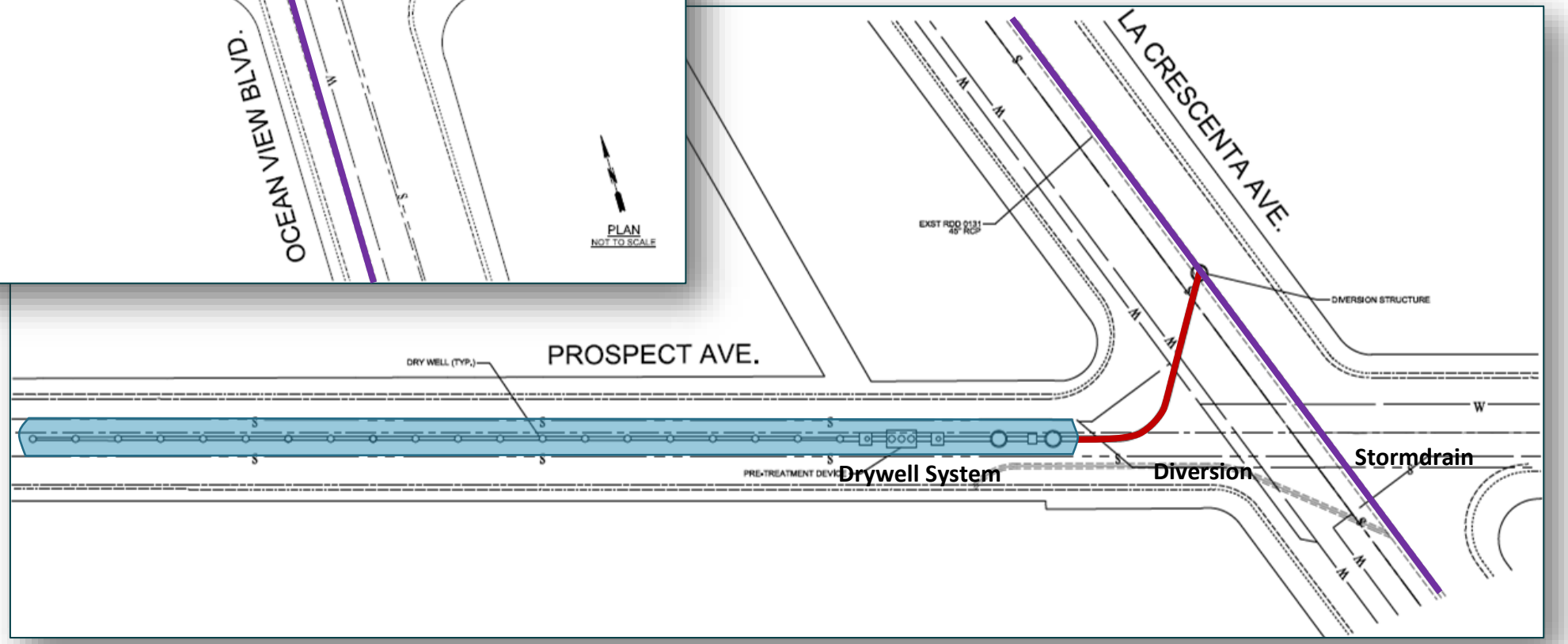
- Who are the implementation partners already identified? County of Los Angeles
- What communities or groups have expressed support for the project? Crescenta Valley Town Council and Tree People
- Have you received a letter of concurrence from the municipality (if needed) N/A
- Have you received a letter of concurrence from the Flood Control District (if needed) Yes
- Have you yet engaged the appropriate vector control district about the project concept? Not yet, will collaborate with local vector control districts or agencies to ensure best vector control practices are incorporated into project plans and operation and maintenance documents

Project Details

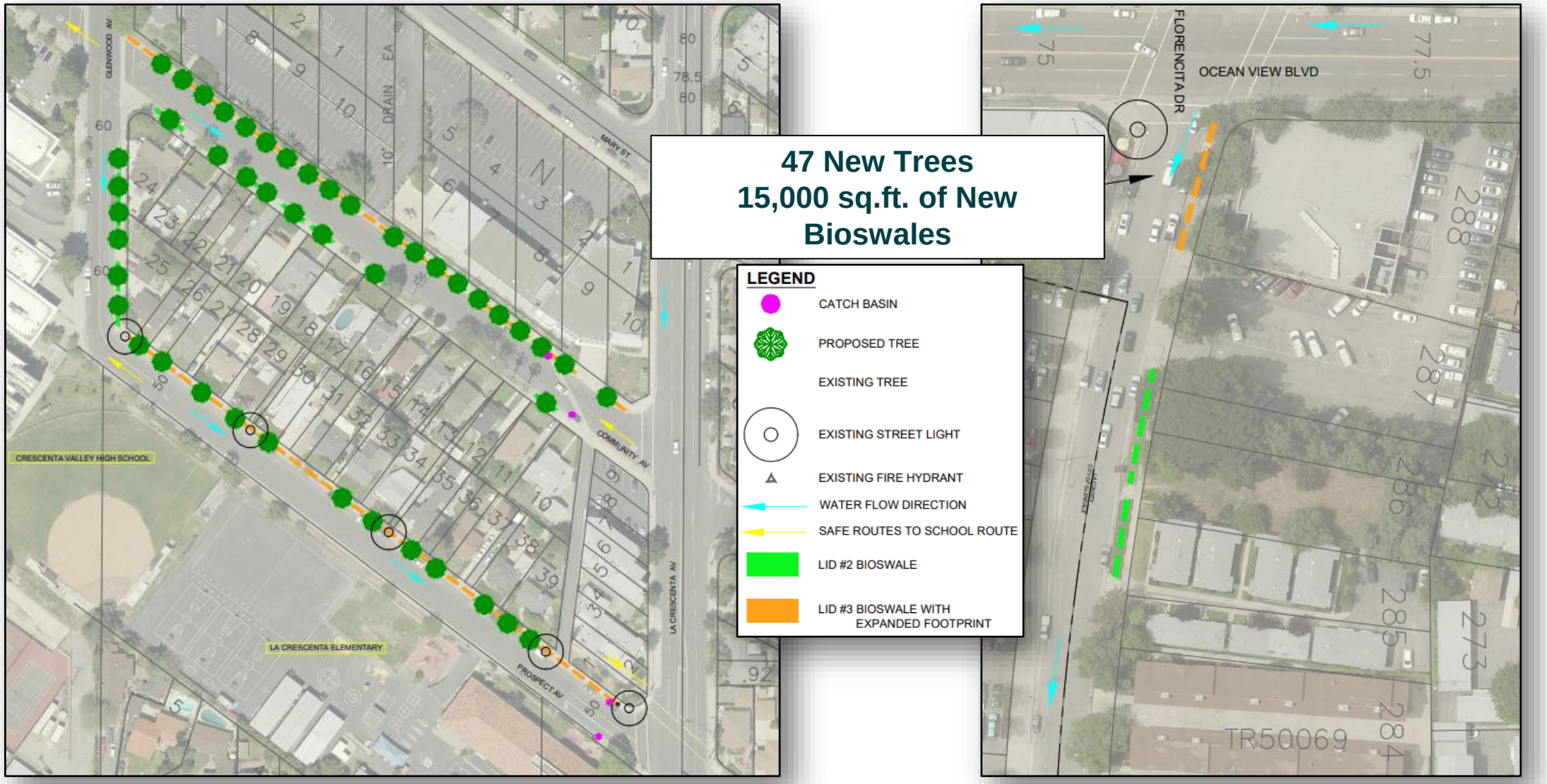


Project Details





Project Details



Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Expenditures in Planning phase including geotechnical reports and hydrology reports	$1,260,000	05/2023
Design	Preliminary engineering, PS&E for stormwater components	$1,543,000	04/2025
Construction	Construction and construction engineering for stormwater components (including green street elements	$8,830,000	12/2026
TOTAL		**$11,633,000**	

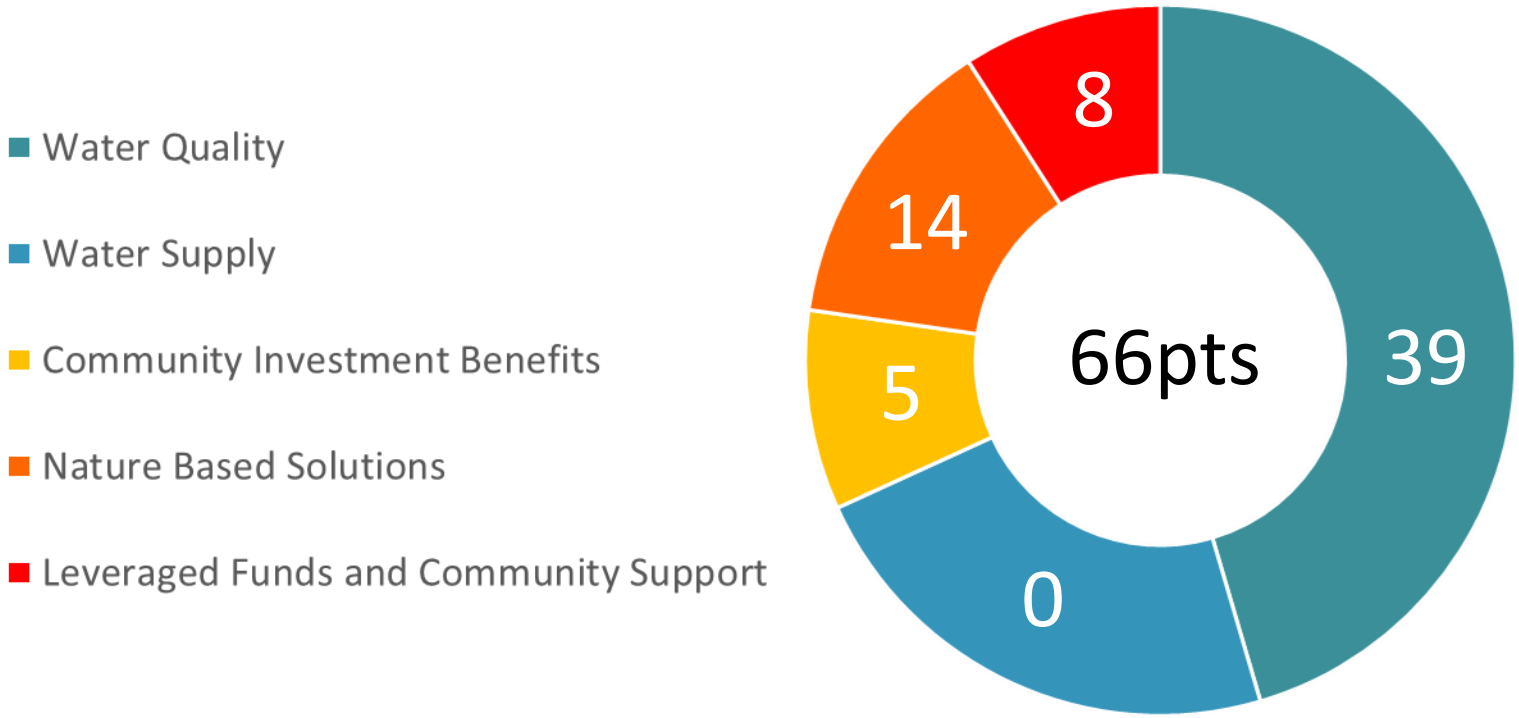
- Annual operation and maintenance costs, which include the pre-treatment filtration unit, underground dry wells, and bioretention swales, estimate to around $470,000. The project lifespan is 50 years.

Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	$500,000	Design	Project Design
2	$750,000	Construction	Project Construction
3	$750,000	Construction	Project Construction
TOTAL	**$2,000,000**		

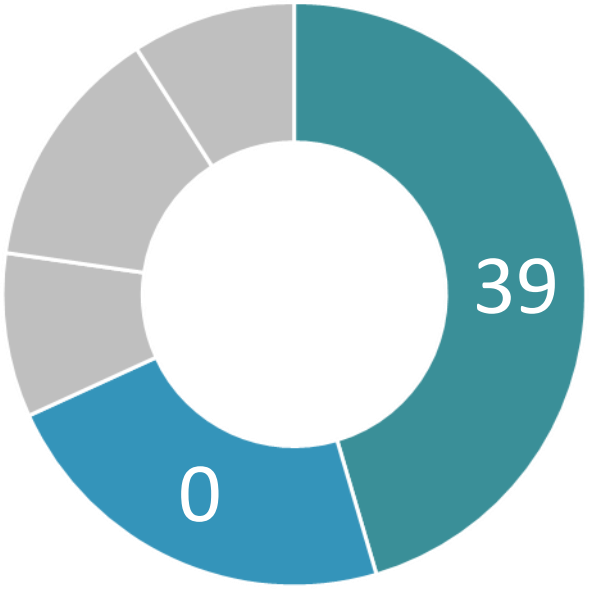
- Leveraged funding from
  - Prop 1 IRWMP - $1,000,000
  - SCW Municipal Funds - $4,750,000

Score as confirmed by the Scoring Committee



The Scoring Committee confirmed this score on 12/07/2023

Water Quality & Water Supply Benefits



The Scoring Committee confirmed this score on 12/07/2023

Water Quality Benefits

14 Points

- 7.57 acre-feet 24-hr capacity (85th percentile storm)
- 151 acre tributary area
- 0.8 (acre feet capacity / $ Million)

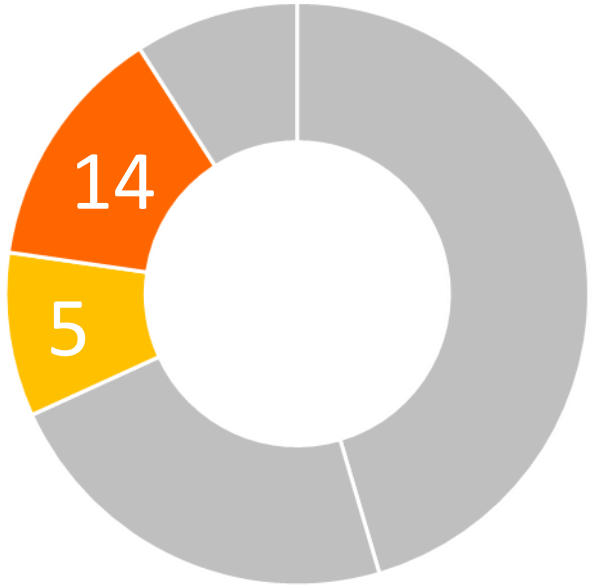
20 Points

- 100% Trash reduction

5 Points

- 60.9% Zinc removal

Community Investment Benefits and Nature Based Solutions



The Scoring Committee confirmed this score on 12/07/2023

Nature-Based Solutions

14 Points

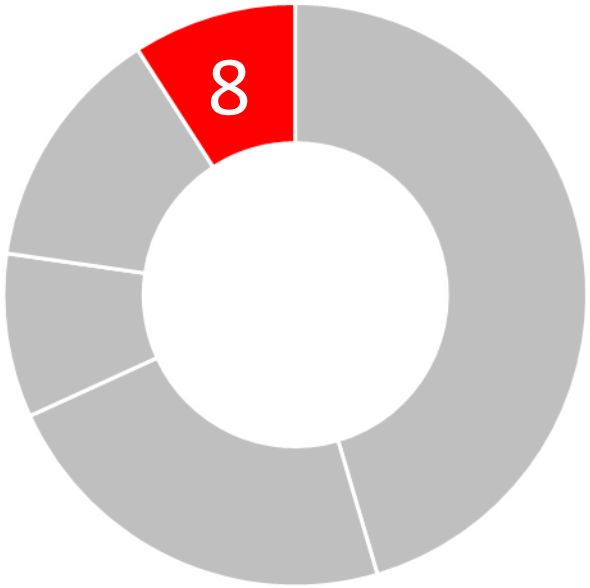
- 15,000 square feet of new bioswales
- 47 new trees
- Native and drought tolerant landscaping
- Reduction of impermeable area

Community Investment

5 points

- Reduces heat local island effect and increase shade
- Create and enhance habitat with native vegetation
- Reduces localized flood risk

Leveraging Funds and Community Support



The Scoring Committee confirmed this score on 12/07/2023

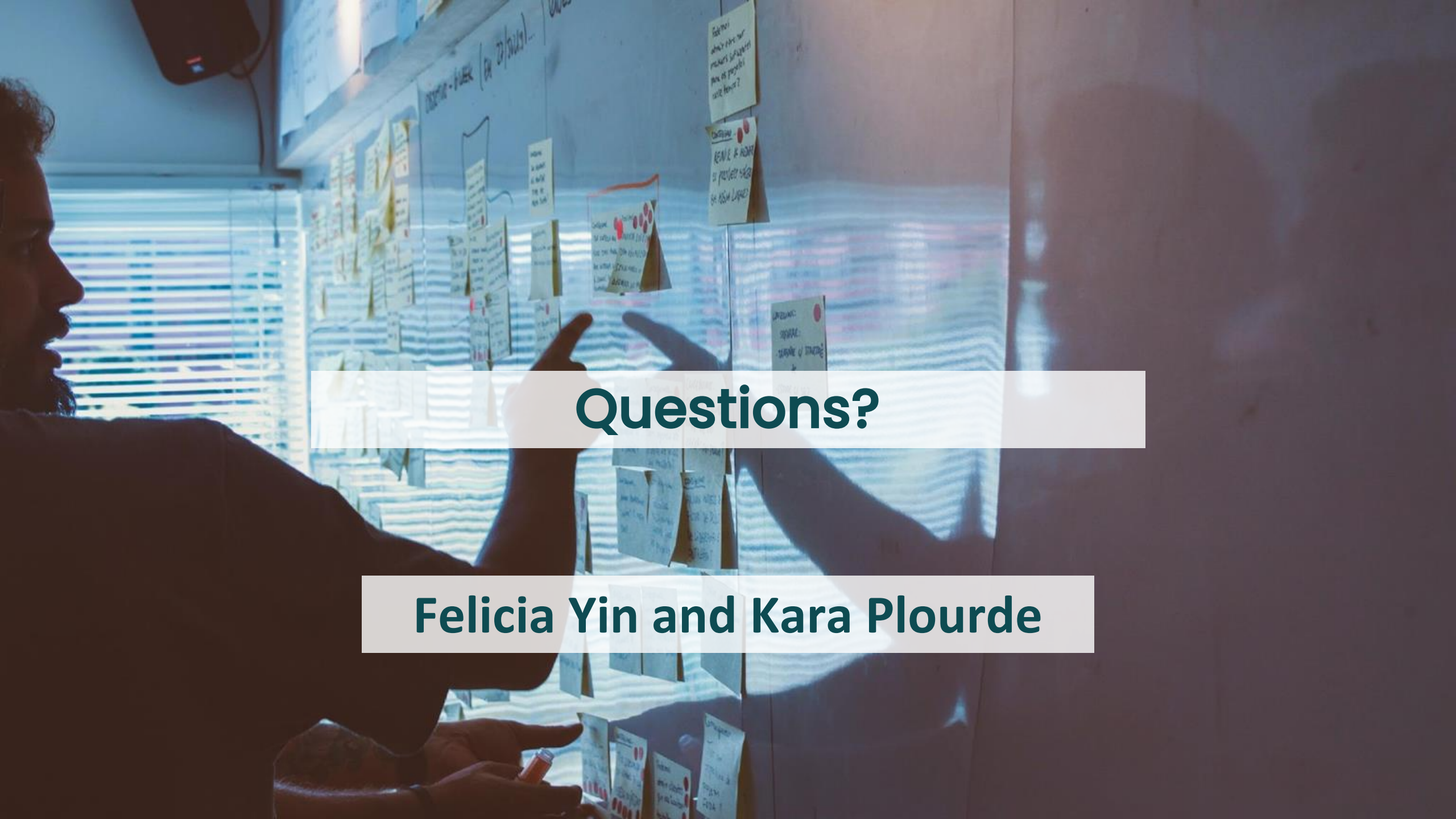
Leveraging Funds

6 Points

- Prop 1 IRWMP grant funding awarded
  - $1,000,000
- SCW Municipal funds
  - $4,750,000

2 Points

- Community Support
  - Crescenta Valley Town Council
  - TreePeople
- Community Outreach
  - Crescenta Valley Town Council Meetings
  - Community Meeting #1 (May 6th, 2021)
  - Community Meeting #2 (January 19th, 2023)
  - Community Meeting #3 (Design Phase, TBD)



Questions?

Felicia Yin and Kara Plourde