

Safe, Clean Water Program

Fiscal Year 2021-2022

WASC Review Sheet



Project Name	
Project Lead	
Total SCW Funding Requested	
Phases for which SCW Funding is being requested	

Question	Yes/No	Notes
Does this project assist in achieving compliance with MS4 permit? If Yes, explain how.		
Does the project provide DAC benefits (refer to the ordinance for definition)? If Yes, explain how.		
Does the project provide benefits to the municipality? If Yes, explain how.		
Does the project prioritize nature-based solutions? If Yes, explain how.		
Does this meet the goals of the program stated in the ordinance (refer to Section 18.04)		
Does the project/scientific study have a nexus to stormwater and urban runoff capture and pollution reduction? If yes, explain how.		

Safe, Clean Water Program

Fiscal Year 2021-2022

WASC Review Sheet



Question	Yes/No	Notes
What is the plan for community engagement and what efforts have been made to date?		
What is the anticipated CEQA and permitting needs and how is this incorporated in the cost and schedule?		
Why is this the best location for this type of project?		
Were other alternatives considered? Why is this the best solution?		
How was the Project developed? (ie IRWMP/EWMP process, community engagement, etc...)		
If awarded partial funding by the WASCs, could the project fulfill their stated scope and benefits? If not funded, would the WASC lose the opportunity to fund this project at future rounds?		
General Notes (and follow up questions regarding any topic in the feasibility study/project submittal)		
Public Comments		

Sierra Madre Blvd. Green Street Stormwater Capture Project

Safe, Clean Water Program (Technical Resource Program)

Fiscal Year 2021-2022 Call for Projects

City of Pasadena

Presenters: Brent Maue, City of Pasadena

Merrill Taylor, Craftwater Engineering

Project Overview

Local and regional stormwater capture and infiltration facility located at Sierra Madre Blvd within and beneath the median open space.

- **Phases used from SCW funding:** Planning, Design, Construction, O&M
- **Total SCW Funding Requested:** \$300,000

Project Objectives

PRIMARY OBJECTIVES

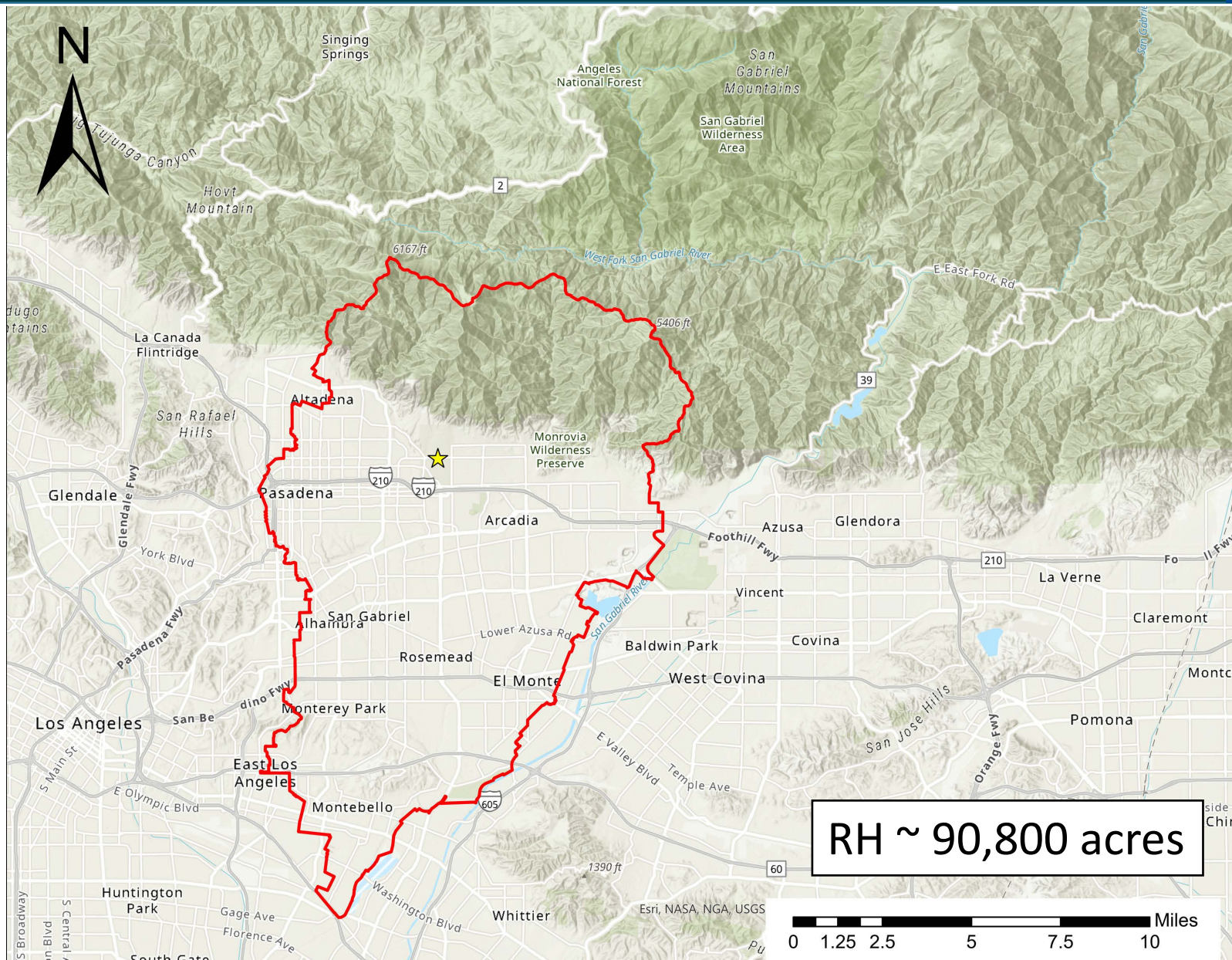
- **Improve water quality** within the Eaton Wash and Rio Hondo
- **Recharge local groundwater**
- **Reduce local runoff** through distributed bioretention practices

SECONDARY OBJECTIVES

- **Offset potable water demand**
- Implement **native landscaping** within roadway corridor
- **Educate the public** on local water supply and demands

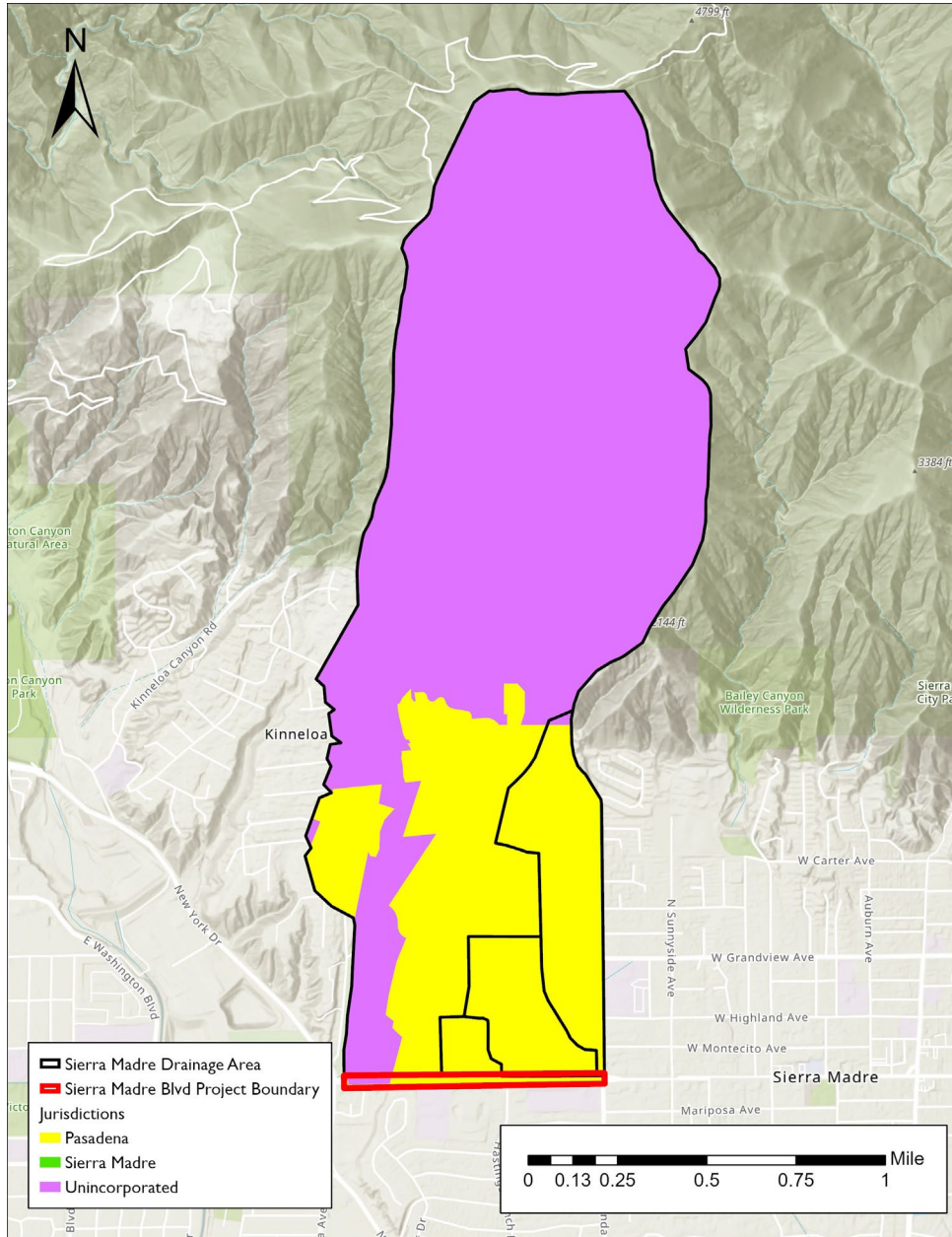


Project Location





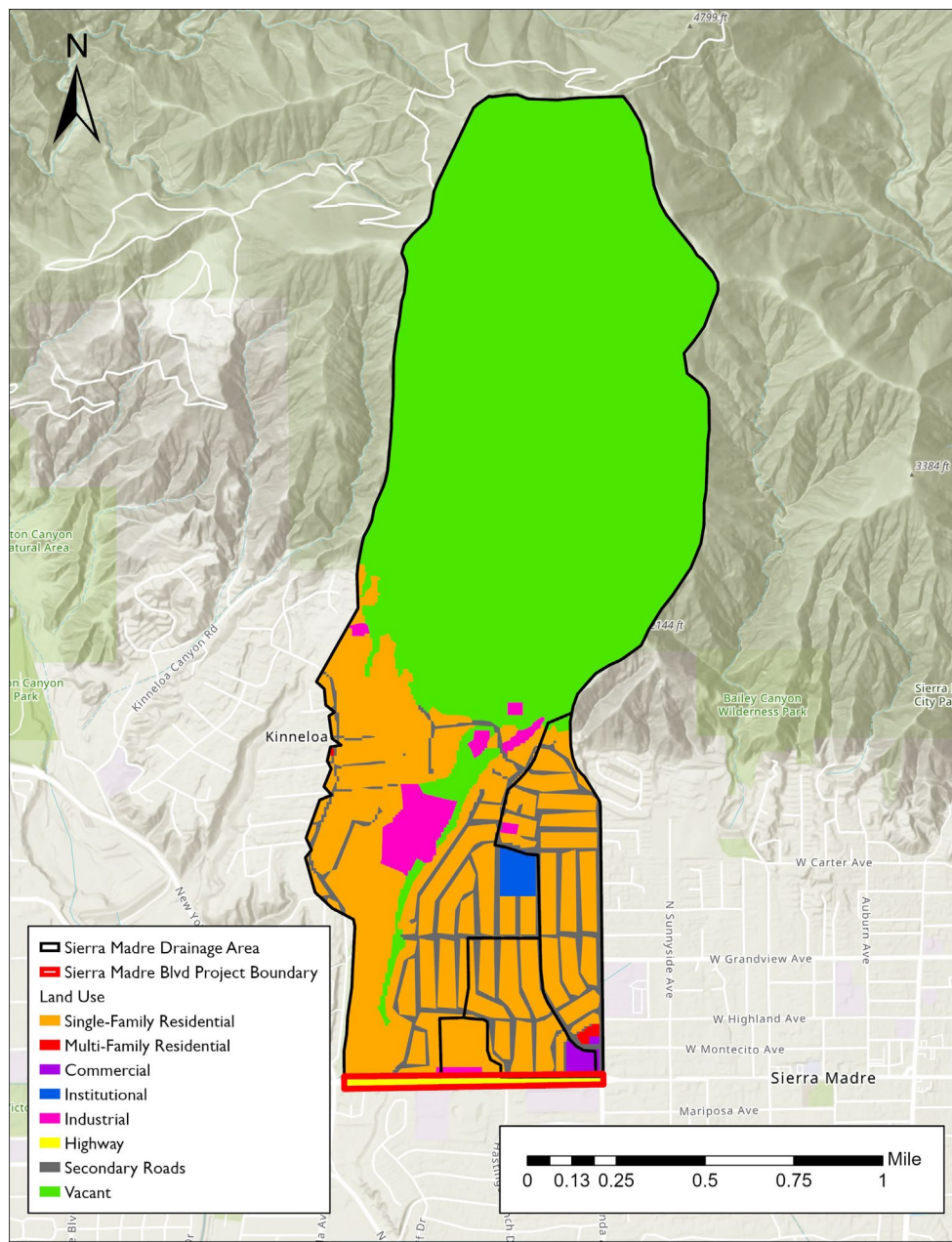
Project Location-Total Capture Area



Jurisdiction	Area (acres)	% Watershed
Unincorporated LA County	980.03	70.76%
Pasadena	403.04	29.1%
Sierra Madre	0.28	0.02%
TOTAL	1,385	100%



Project Location- Land Use

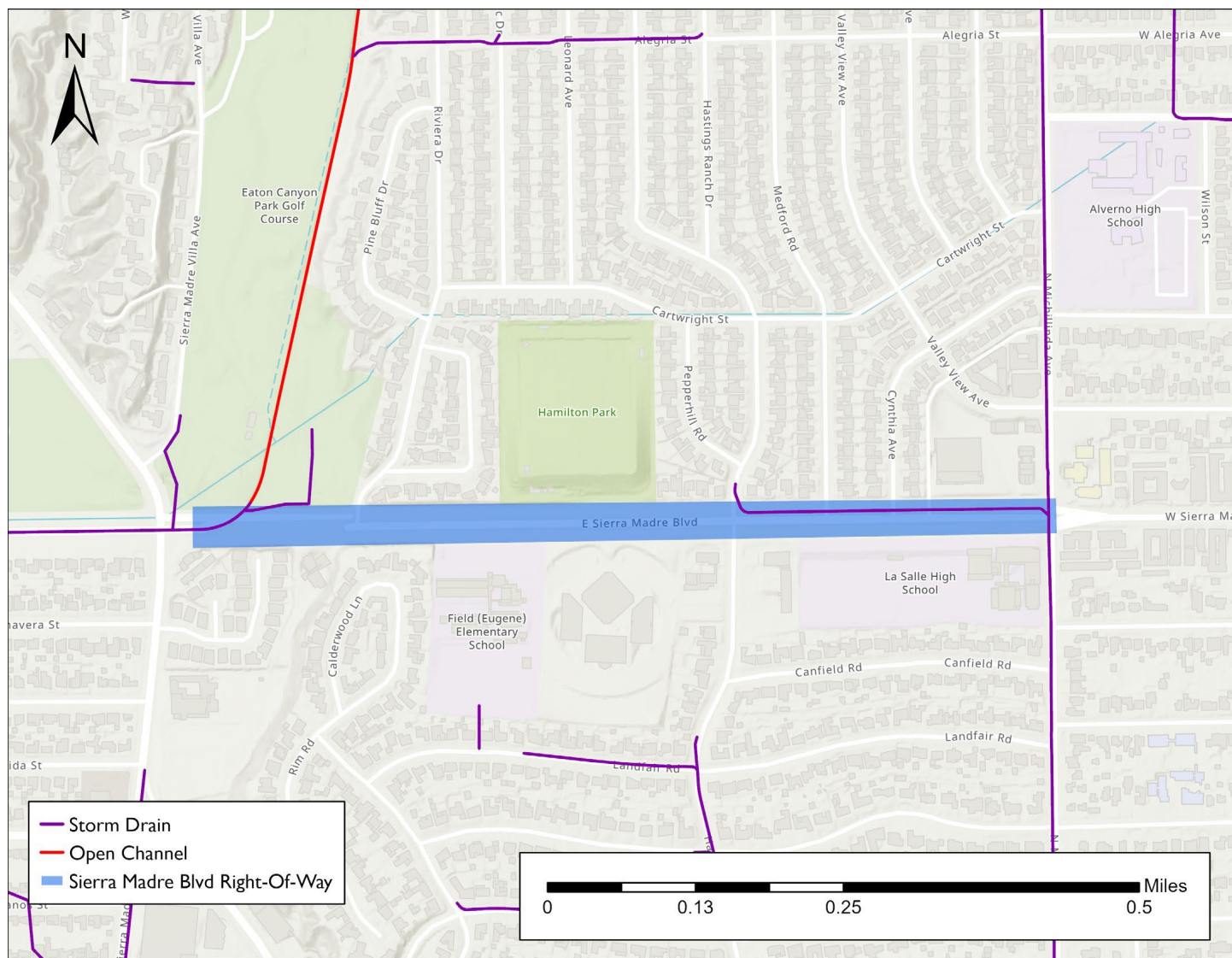


- **Capture area:**
 - Impervious: 190.9 acres (13.8%)
 - Pervious: 1,194.1 acres (86.2%)

Land-use	Area (acres)	% of Impervious
Single Family Residential	92.8	31.4%
Multi-Family Residential	0.8	12.6%
Commercial	4.5	12.2%
Institutional	7.1	5.9%
Industrial	29.5	13.7%
Highway & Interstates	11.9	4.6%
Secondary Roads & Alleys	37.8	19.6%
Vacant	6.5	3.4%
TOTAL IMPERVIOUS	190.9	100%



Project Location- Parcel Maps



The **Sierra Madre Blvd Green Street** site, is owned and operated by the city of Pasadena.



- Site was identified in the **ULAR EWMP** for green street project
- **Beneficial site characteristics:**
 - Significant drainage area size
 - Location of adjacent storm drain
 - Large development area available on Sierra Madre
- Design offers runoff storage and water quality benefits for **EWMP compliance**



Project Benefits



- **Water Quality** improvement in the Eaton Wash and Rio Hondo by removing trash, metals, and nutrients in stormwater and urban runoff
- **Nature-Based** treatment bioswales with sustainable native landscaping and storage
- **Public Access to Waterways** with improved public access to bioswales and development of the pedestrian pathways along the Sierra Madre Boulevard
- **Reduce Heat Island Effect** with additional trees to shade the roadway and conversion of turf grass to native plantings



Project Details- Site Plan



Provides approx 19.5 acre-ft of storage



Permeable Pavement



Bioswale



Pre-Cast Subsurface Infiltration Facility



(Facing north-westerly at La Salle)



(Facing west at towards Eaton Canyon Golf Course)

Existing Conditions

- Hydraulic soil group: A
- Approximate Depth to Groundwater: 300 ft BGS
- Current Use: Public Space (walking trails and lake)
- Owner: County of Los Angeles

*Site governed under ULAR EWMP

*Geotechnical (Desktop) review done

*Alternative footprint sizes and diversion rates examined



Phase	Description	Cost
Planning/Design	Planning and Design cost	\$1,950,000
Construction	Construction cost	\$19,500,000

Annual Costs

Maintenance Cost:	\$125,000
Operation Cost:	\$25,000
Monitoring Cost:	\$15,000
Project Life Span:	50

Funding Request

Year	SCW Funding Requested	Phase	Description
Year 1-(FY 2021-22)	\$300,000	Planning	Feasibility TRP



Questions?



South El Monte High School

Funding Program (TRP)

El Monte Union High School District (EMUHSD)

Lena Luna, MBA, CEM (EMUHSD), Kathereen Shinkai, PE, M.ASCE (LPA)



Project Overview

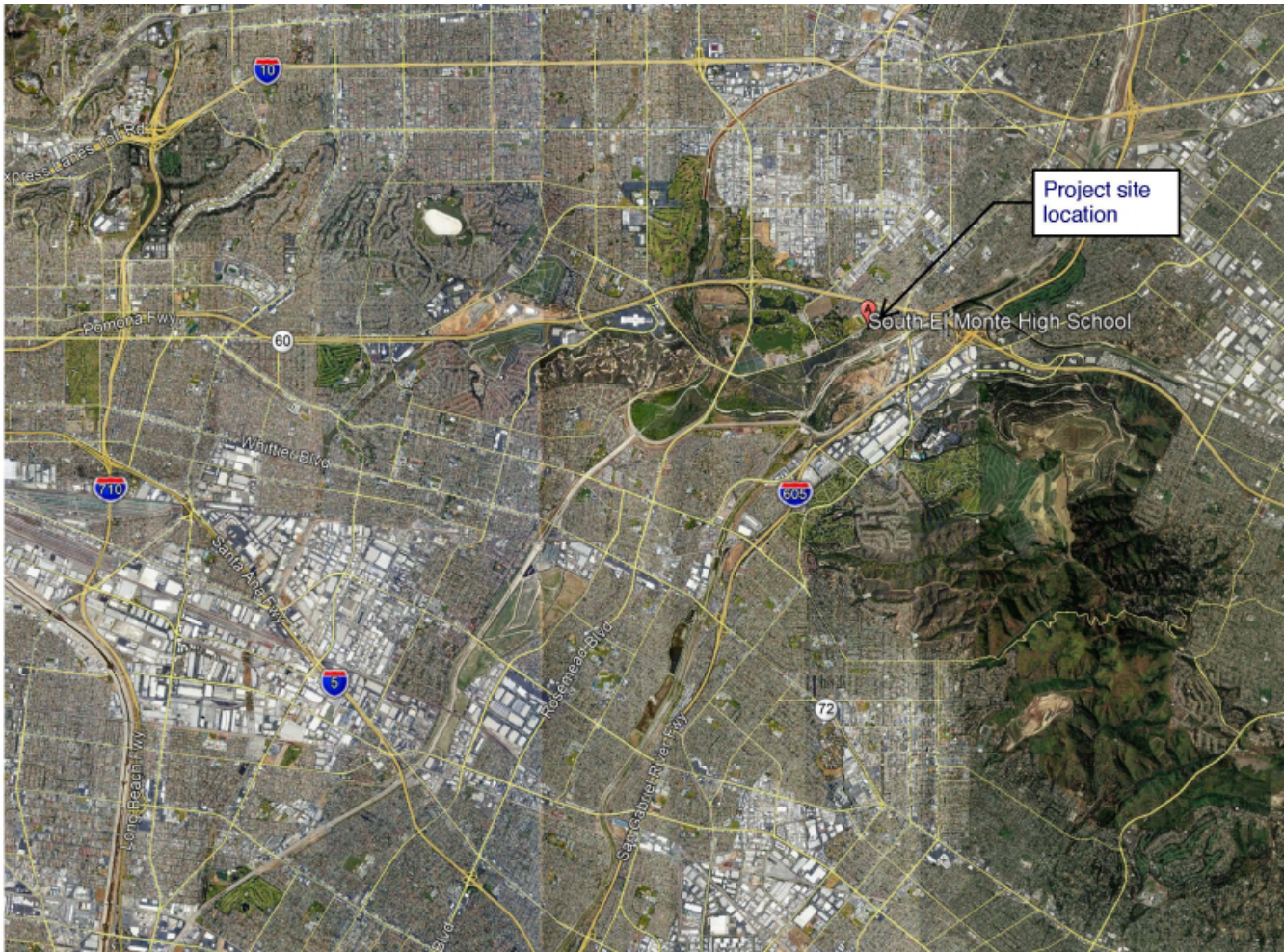
Propose detention and bio-filtration to treat stormwater at high school field and alleviate water discharging off-site at higher flow rates.

- **Primary Objective** – Improve storm drain infrastructure with bioretention basin and biofiltration devices
- **Secondary Objective** – Improve volume and flow control with hydromodification best management practices and harvest and reuse systems
- **Project Status** – SCW funding being requested for planning phase to fund the Project Feasibility Study
- **Total Funding Requested** - \$300,000





Project Location – South El Monte High School



- 1001 Durfee Avenue, South El Monte, CA 91733
- Latitude: 34.036
- Longitude: -118.045



Project Location— South El Monte High School



Site Boundary

Project selected as a result of stormwater runoff into watershed

Project developed with civil engineer (LPA) reviewing existing conditions and identifying this site for potential funding

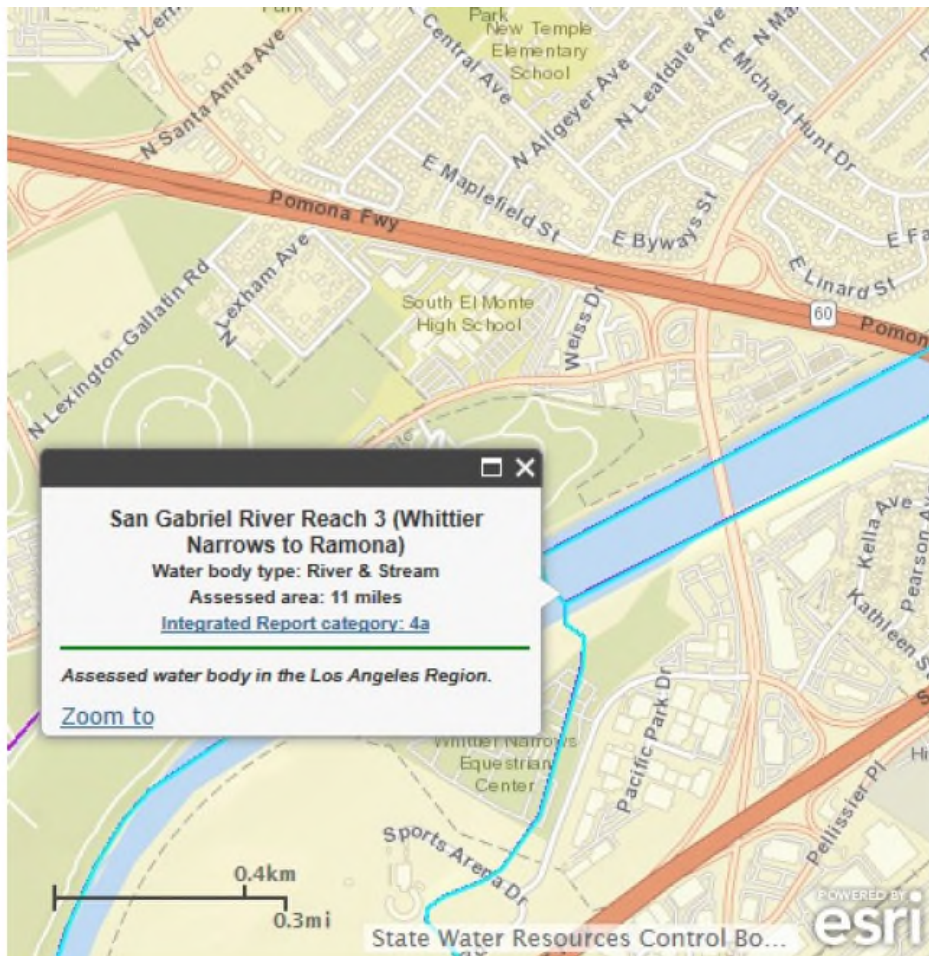


Rio Hondo Watershed Area – South El Monte High School





Capture Area – South El Monte High School



- Capture Area: 40 ac
- Impervious Area: 20 ac
- Pervious Area: 20 ac
- Nearest waterbody / channel: San Gabriel River Reach 3 (Whittier Narrows to Ramona)
- Listed on the latest 303(d) listing for: Indicator Bacteria and Toxicity



Capture Area – South El Monte High School

Letter of support from the City of South El Monte, dated 6/30/2020

Soils information:

- High groundwater table (infiltration not feasible)

As-Built drawing information:

- Major drainage channel along Farmer Avenue
- Site surface drainage through V-gutters in fields
- Major site drainage patterns shown in yellow arrows

Runoff conveyance:

- Parking lots: Overland to Durfee Avenue
- Fields: Pumping system at southwest corner (view shown from Durfee Avenue)





Capture Area – South El Monte High School

Flows from community and USACE enter into School drainage systems, taxing the existing school systems (channel and field V-ditches)

San Gabriel River sensitivity to pollutants from runoff (e.g. vehicular pollutants)

Seasonal surface flooding at playing fields (yellow highlight), requiring pumping (flow arrow directions shown)

Existing pump disabled at outflow onto Durfee Avenue; outlet pipes blocked

Pumping equipment

Original outlets at curb blocked with curb repairs





Municipality Benefits

Water Quality Solutions at areas with high-pollutant runoff:

- Bioretention Basins in key areas to capture runoff
- Proprietary Biofiltration devices in areas with reduced available space

Water Storage Solutions for volume and flow control:

- Hydromodification BMP's to reduce higher flows and volumes out to Durfee Avenue
- Harvest and Reuse Systems to offset potable water use

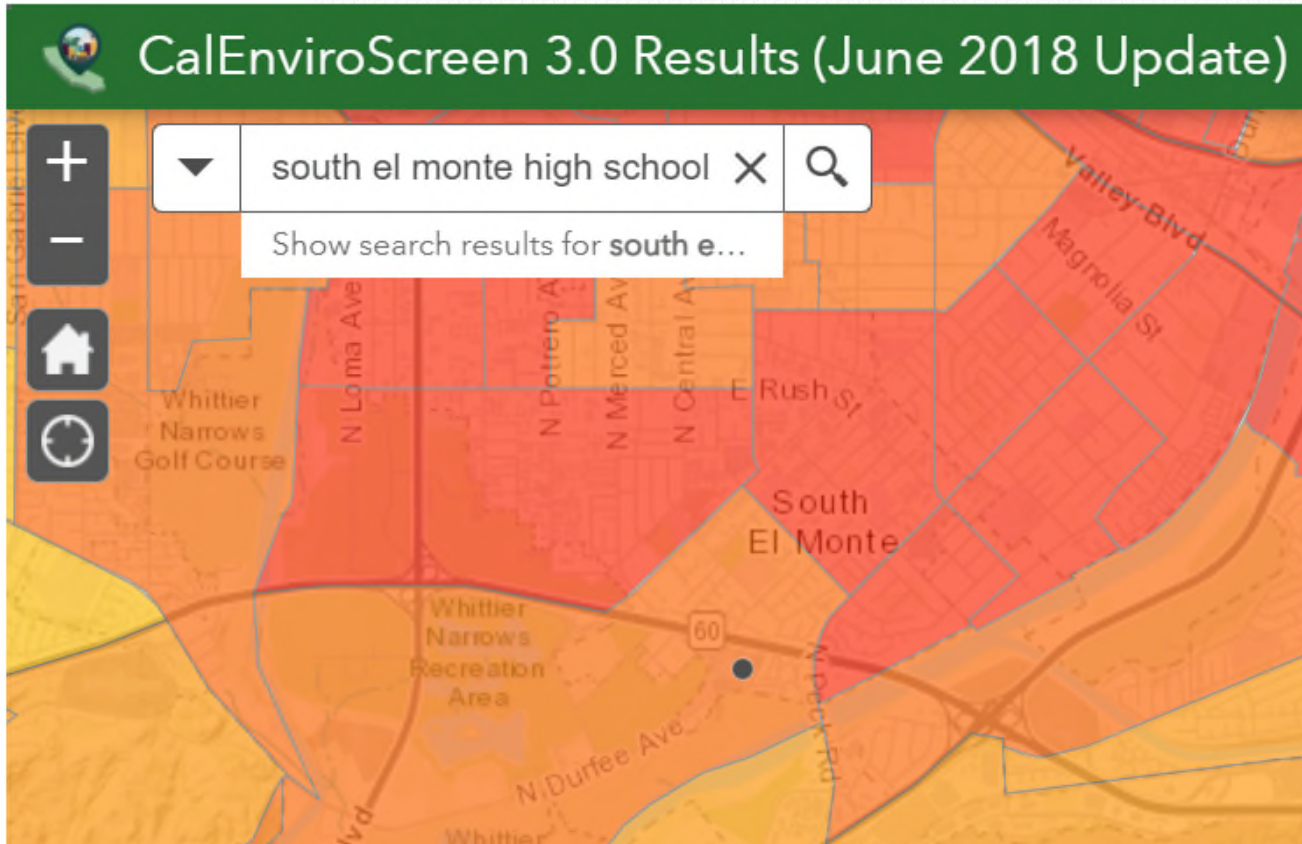
Can be designed to accommodate off-site flows coming from the community

Placement in low-traffic, high-access areas for ease of maintenance and expansion





Disadvantaged Community (DAC) – CalEnviroScreen 3.0



- CalEnviroScreen 3.0 percentile – **85-90%**
- Pollution burden percentile – **99%**



Project Background – Municipal Benefits

City of South El Monte provided letter of support

*“City of South El Monte feels that this is a great opportunity for the school to complete a Feasibility Study to mitigate the stormwater on-site and some of the water that is coming in from the neighboring community. The City and school’s stormwater will be mitigated to protect public health and ensure healthier green space for the students who attend. This project would meet the strategic goals to improving stormwater in the Rio Hondo Watershed Region.” – **Rachel Barbosa, City Manager of South El Monte***



Project Background – Benefits to Disadvantaged Community

Reduce and treat stormwater run-off into Rio Hondo Watershed Region in a community with a high pollution burden (99% percentile) based on CalEnviroScreen 3.0

Benefit EMUHSD students and staff by reducing flooding in sport fields so can be used promptly after storms have passed. Currently, unable to use until flooding pumped into San Gabriel River.



Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Project Feasibility Study	\$300,000	4/4/2022
Design	Design Cost	\$400,000	End of agreement performance period
Construction	Construction Cost	\$9,000,000	End of agreement performance period
TOTAL		\$9,700,000	End of agreement performance period



Cost & Schedule – Project Lifespan and Lifecycle Cost

Description	Cost
Annual Maintenance Cost	\$60,000
Annual Operating Cost	\$500,000
Annual Monitoring Cost	\$10,000
Project Lifespan – 50 years	N/A



Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	Technical Resources Program	Planning	Prepare Feasibility Study for Project Concept
2	Infrastructure Program	Design/Construction	Design and construct project



Questions?

An aerial photograph of the Los Angeles coastline and city grid, showing the ocean on the left and the city extending inland to the right. The image is used as a background for the title slide.

Mt. Lowe Median Stormwater Capture Project

Infrastructure Program

Los Angeles County Public Works

Joseph Venzon, P.E.



Project Overview

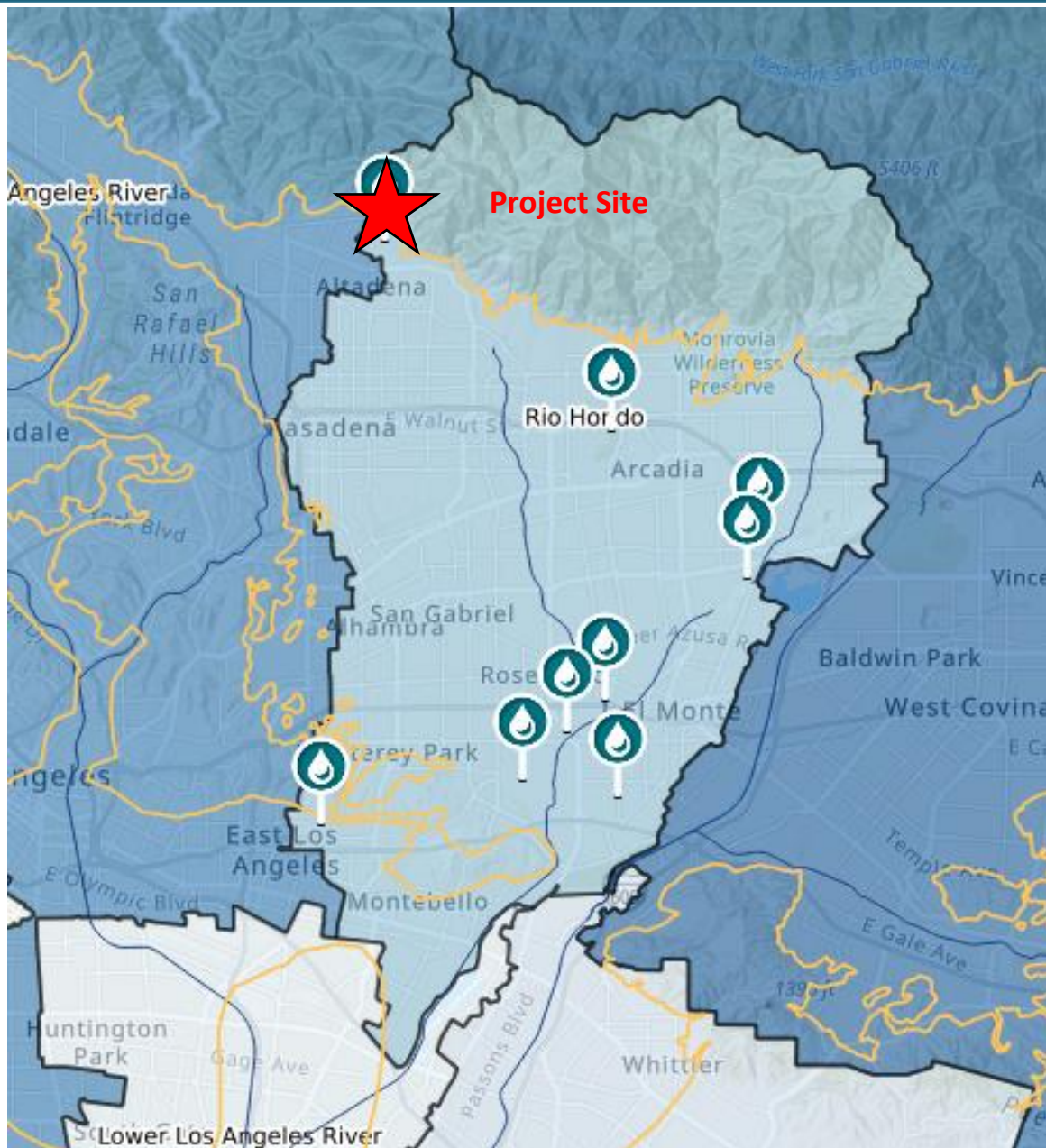
The Project will capture, treat, and infiltrate urban and stormwater runoff as part of a multi-benefit project to improve water quality and enhance the community.

- Intended to provide community enhancement and improve water quality
- In planning phase – requesting funds for planning and design
- \$800K requested from SCW Regional Funds





Project Location



- Rio Hondo WASC
- Unincorporated Los Angeles County:
Altadena



Project Location



- 24 acre capture area
- 1 acre-ft design capacity (85% storm)



Project Background



- Community requested enhancements to existing public right-of-way



Project Background



- Years of coordination between LA County Public Works and local community



Project Background

New Landscaping

NATIVE MEADOW

OAK WOODLAND

NATIVE GARDEN

NATIVE MEADOW

- ASCLEPIAS SPP. - MILKWEEED
- LESSINGIA FLAGRIFOLIA CALIFORNIA ASTER
- ESCHSCHOLZIA CALIFORNICA CALIFORNIA POPPY
- ARISTIDA PURPUREA PURPLE THREE ANN
- CAREX PANSA - DUNE SEDGE
- SCUTELOLOA GRACIOS BLUE GAMA GRASS
- ACHILLEA MILLEFOLIUM YARROW
- FENISTEMON SPP. BEARDTONGUE
- CAREX PRAEGRACILIS WESTERN MEADOW SEDGE
- ARCTOSTAPHYLOS 'EMERALD CARPET' - CARPET MANZANITA
- IPSIS DOUGLASSIANA DOUGLAS BIRD
- POLYPODIUM VERIDICUM POLYPODY FERN
- BECKELIA COVEYI HEART LEAVED PENSTEMON
- ELIPHEUS PERINS LILPINE
- GALVEZIA SPECIOSA BUSH ISLAND SNAPDRAGON
- SYMPHORICARPOS ALBIS SNOWBERRY
- SALVIA SPATHACEA HUMMINGBIRD SAGE
- ARTEMISIA CALIFORNICA 'CANYON GRAY' - COASTAL SAGEBRUSH
- ZALUSCHNERIA CALIFORNICA COMMON CALIFORNIA FLUCHSA
- SYMPHORICARPOS MOLLIS DWARF SNOWBERRY
- RIEBS VERONIFOLIUM EVERGREEN CURRYWIT
- SALVIA APARNA WHITE SAGE
- SALVIA CLEVELANDI WINIFRED GILMAN' - BLUE SAGE
- CORETHROGYNE FLAGRIFOLIA CALIFORNIA ASTER
- DIPLACUS ALPINITIACUS STICKY MONKEY FLOWER
- ENCLEA CALIFORNICA COASTAL SUNFLOWER
- SOLIDAGO SPP. GOLDENROD
- HEUCHERA SPP. CORAL BELLS
- OSANTHUS THYRSIFLORUS VAR. GRISEUS 'YANKEE POINT'
- DIPLOCLADUS CALIFORNICA 'EYE CASE' EYE CASE
- DIPLOCLADUS ALPINITIACUS STICKY MONKEY FLOWER
- ENCLEA CALIFORNICA COASTAL SUNFLOWER
- DUDLEYA (VARIOUS SPECIES)
- ARCTOSTAPHYLOS DENSIFLORA 'HARMONY' - HARMONY MANZANITA
- MULLEBERGIA RIGENS DEER GRASS
- COROPHIS MARITIMA SEA DAHLIA



Project Background

MOUNT LOWE MEDIAN - SITE FEATURE CONCEPT IMAGERY

BOULDERS FOR SITTING



STEEL BENCH



DECOMPOSED GRANITE PATH



EDUCATIONAL SIGNAGE



SMALL GATHERING SPACE



GABION SEATWALL



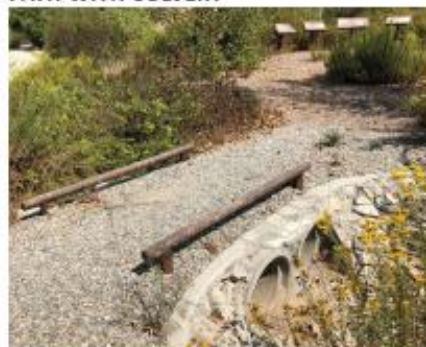
BIO-SWALE



BEE HOTEL



PATH WITH CULVERT



OWL CABIN



BAT BOX

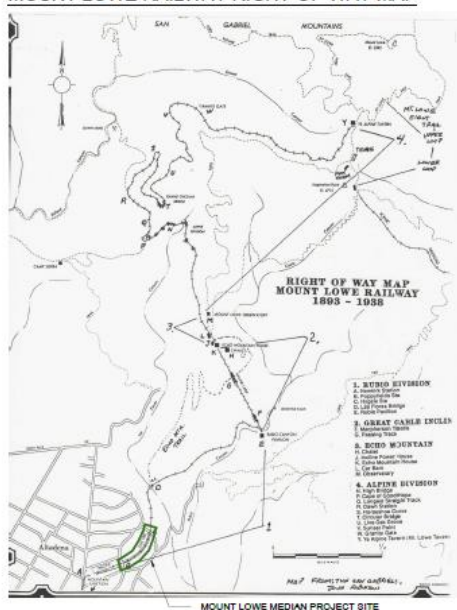




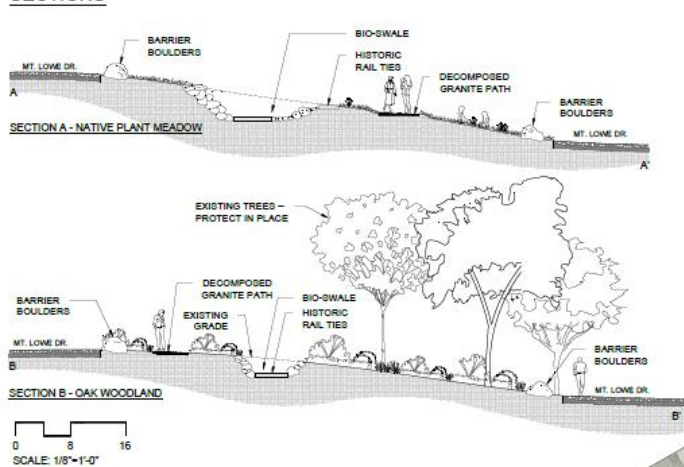
Project Details

Stormwater components - Upper LA River EWMP

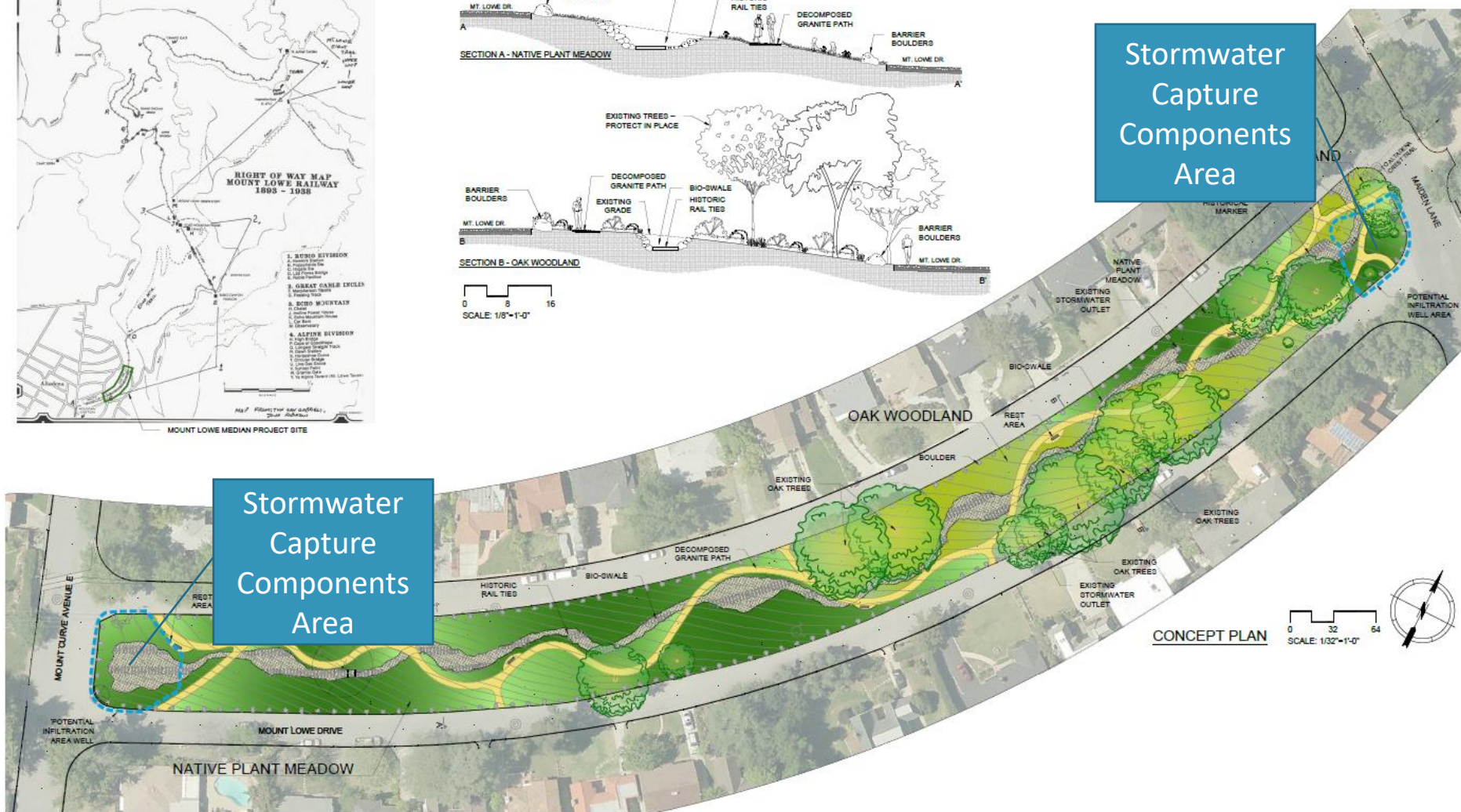
MOUNT LOWE RAILWAY RIGHT-OF-WAY MAP



SECTIONS



Stormwater Capture Components Area



Stormwater Capture Components Area

CONCEPT PLAN

SCALE: 1/32"=1'-0"



Project Details



Analyses:

- Geotechnical Study
- Hydrology Analysis
- Field Investigations

Stormwater System:

- Catch Basins
- Pretreatment Units
- Infiltration Drywells



Cost & Schedule

Phase	Description	Cost	Completion Date
Planning and Design	Development of Project plans, specifications, and estimates.	\$800,000	Late 2021 / Early 2022
Construction	Construction of stormwater project components.	\$1,587,000	Late 2023
TOTAL		\$2,387,000	

Operation and Maintenance costs estimated at \$50K/yr.



Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$800,000	Planning & Design	Development of Project plans, specifications, and estimate.
2			
3			
4			
5			
TOTAL	\$800,000		

Leveraged Funding amount: \$1,587,000 (66%)

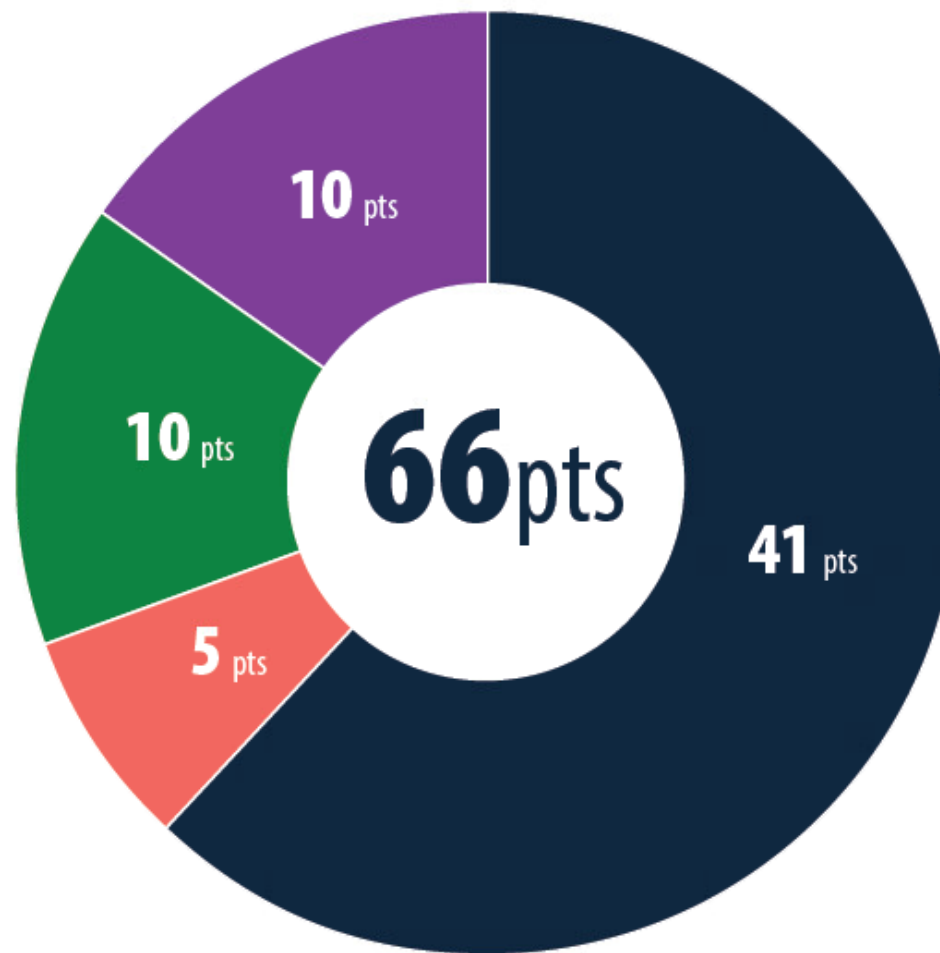
Other funds covered by County

- Concept Development and Investigations: \$350,000
- Cost for Design and Construction of Above-ground Features: \$750,000



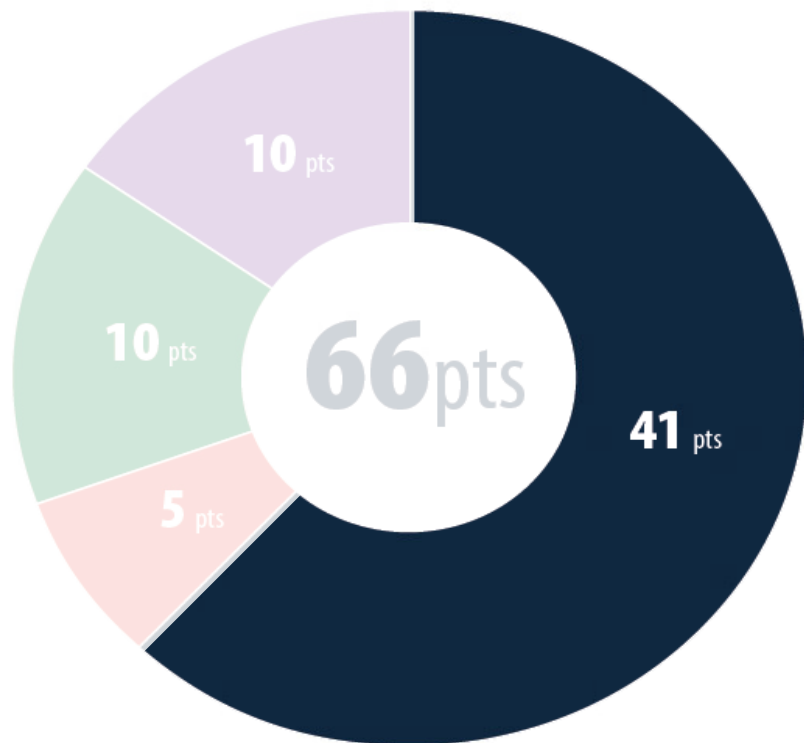
Safe, Clean Water Program Score

- Water Quality
- Community Investment
- Nature-Based Solutions
- Funds and Community





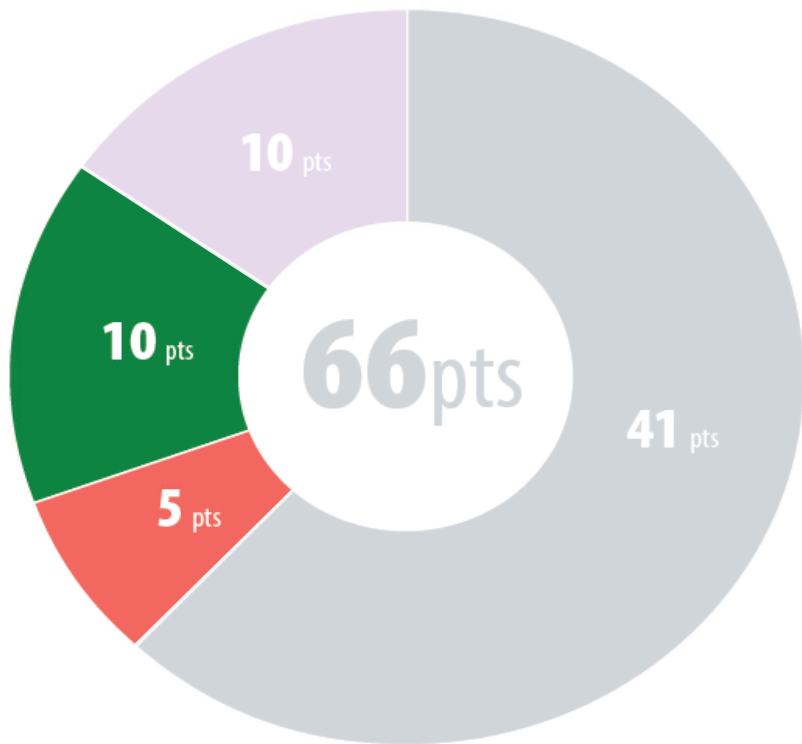
Water Quality



- System will capture dry and wet weather runoff for infiltration and groundwater recharge of Raymond Basin
- 24 acre Tributary Area
- 1 acre-ft capacity (85th percentile design storm)
- Pollutant Reduction – trash, metals, bacteria



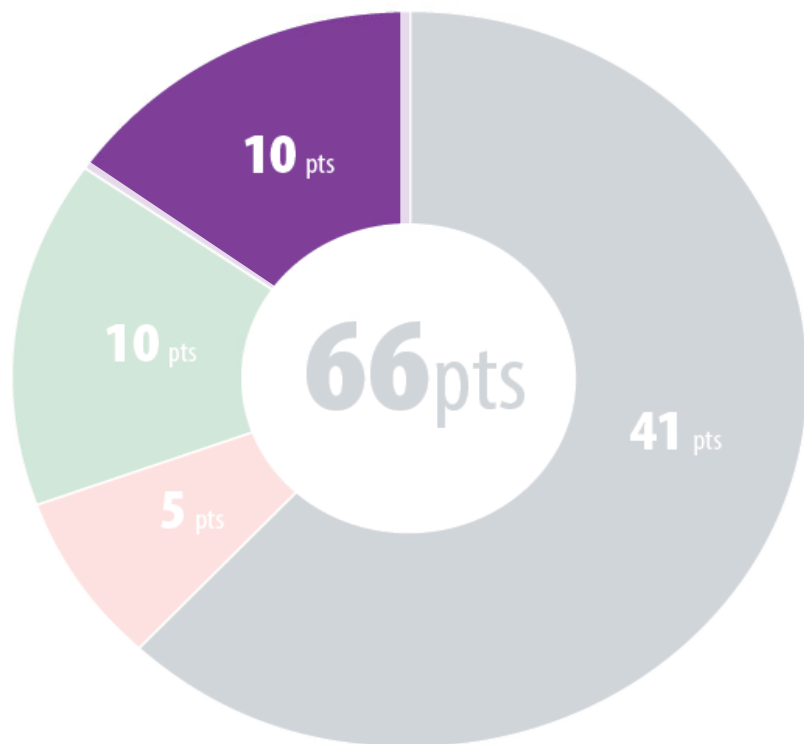
Community Investment Benefits and Nature Based Solutions



- Community Investment Benefits
 - New landscaping (grass, low-lying plants)
 - Walking Paths
 - Decorative Boulders
 - Rest Areas
 - Signage
- Nature Based Solutions
 - Drought tolerant planting
 - Bioswales



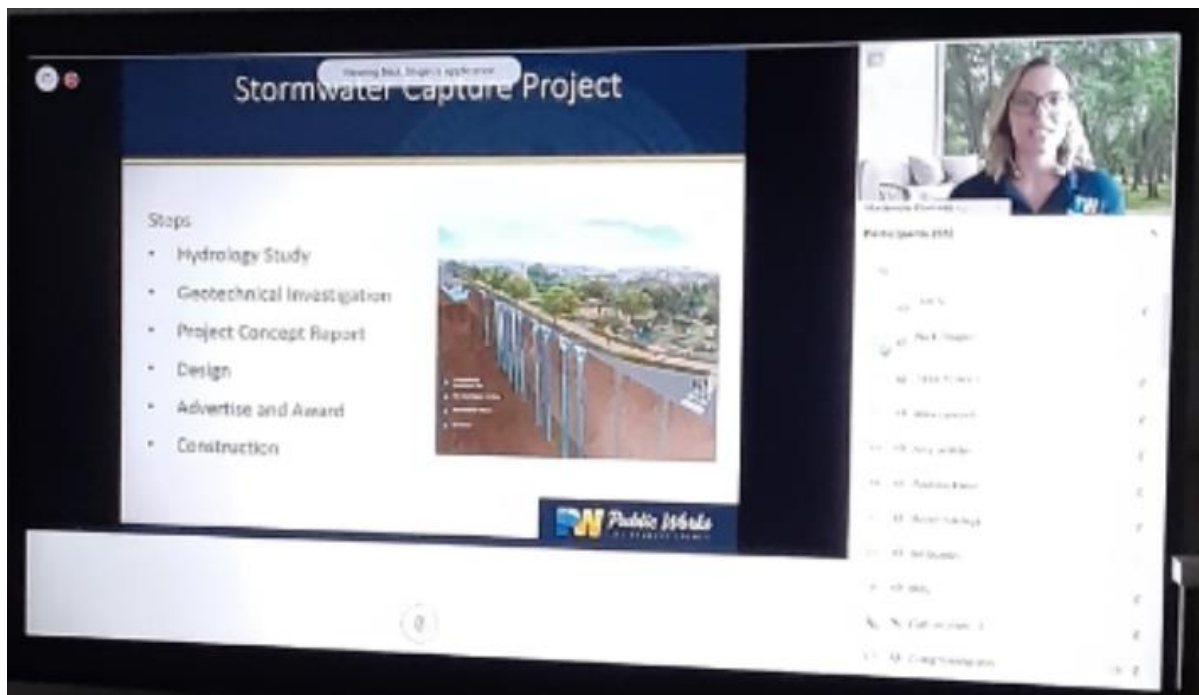
Leveraging Funds and Community Support



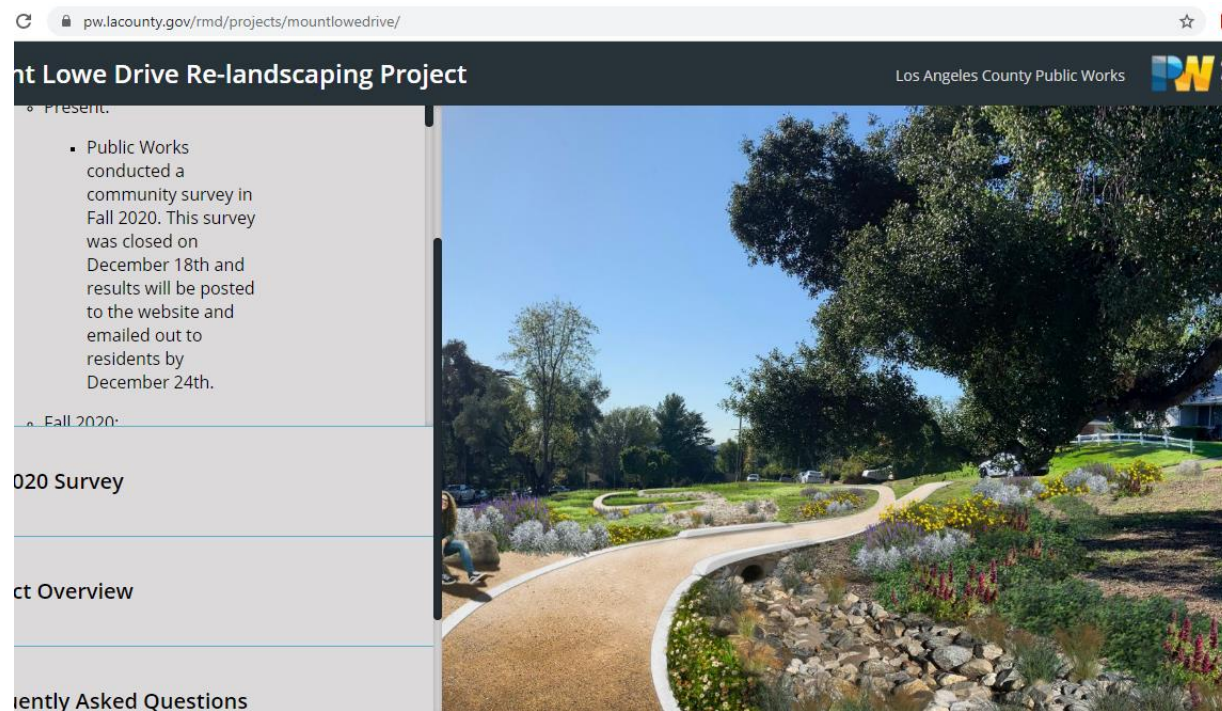
- Leveraging Funds
 - \$1,587,000 in leveraging funds from LA County SCW Municipal Funds
 - 66% funding matched
- Community Support
 - 6 years of community outreach (Surveys, community meetings, workshops, etc.)
 - Support from Altadena Town Council



Leveraging Funds and Community Support



Virtual Community Information Sessions



Hosted Project Website

<https://pw.lacounty.gov/rmd/projects/mountlowedrive/>



Questions?



Merced Avenue Greenway (Phase I – Southern Residential Corridor)

Funding Program (IP)
City of South El Monte

Jason Casanova, Council for Watershed Health | Jason Fussel, Tetra Tech



Project Overview


0.65-mile Greenway designed to clean and capture stormwater, reduce GHG/urban heat island effects, and provide active transit connections.

- **PRIMARY OBJECTIVE:** reduce pollutant loads and volumes to Legg Lake
- **SECONDARY OBJECTIVES:** create habitat; provide community health and climate resiliency benefits (UHI reduction; safe active transit)
- **STATUS:** 100% Design and CEQA completed; ready for Construction
- **TOTAL FUNDING REQUEST:** \$3.2 million






Project Location

 Merced Ave Greenway
(Proposed Construction Funding Request)
(City of South El Monte)

 Planned Greenway Extension

 Active Transit Connections -
(In Development/Funded)

 Local Active Transit Connections -
(Existing)

 Regional Active Transit Connectors
(River bike paths/open space linkages)

 Severely Disadvantaged
Community*

 Disadvantaged
Community*

 Airport

 Golf Course

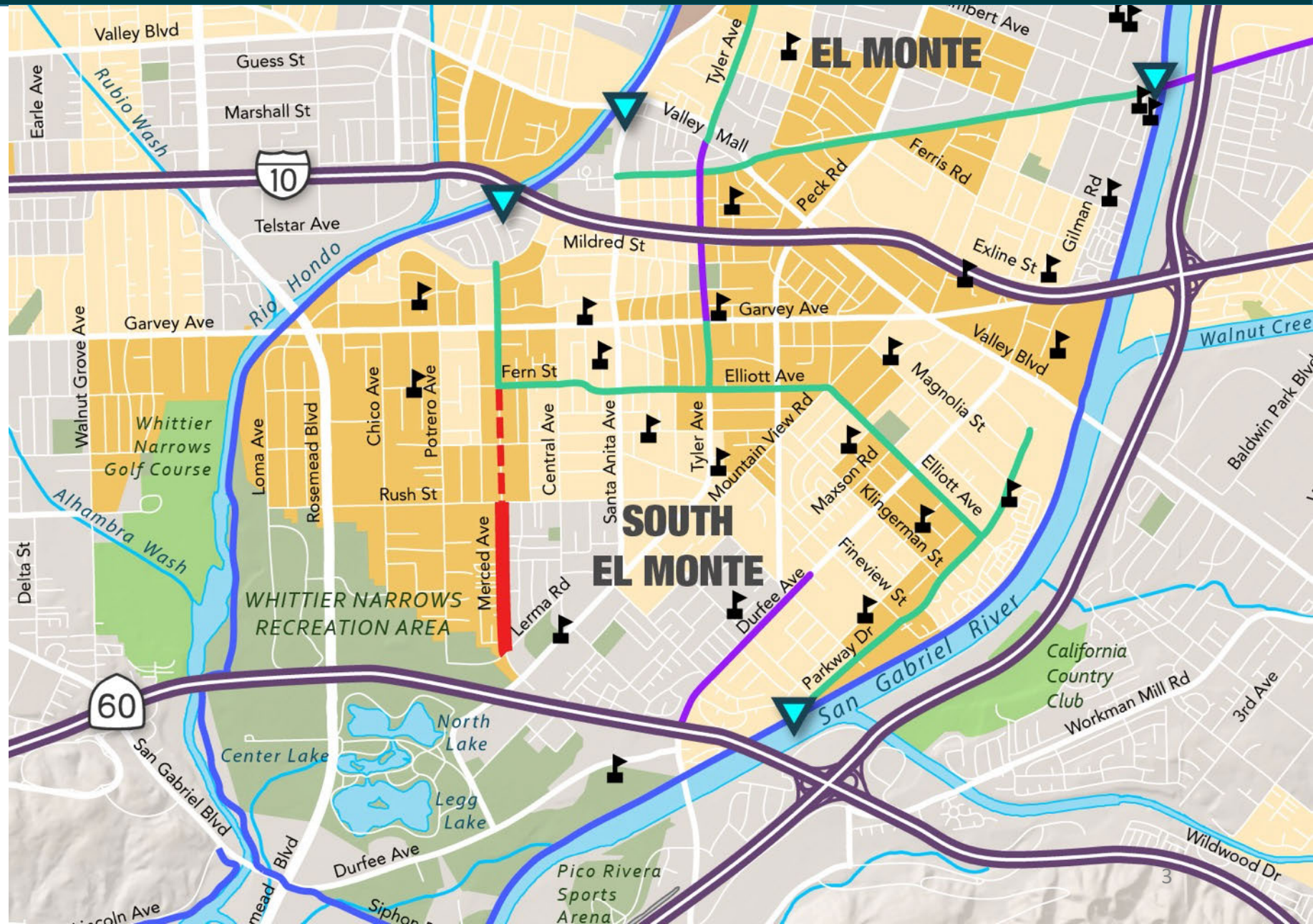
 Park

COMMUNITY CONNECTIONS

 Schools (K-12)

 River Access

* SOURCE: DWR DAC





Project Location

LOCATED IN THE RIO HONDO WATERSHED AREA

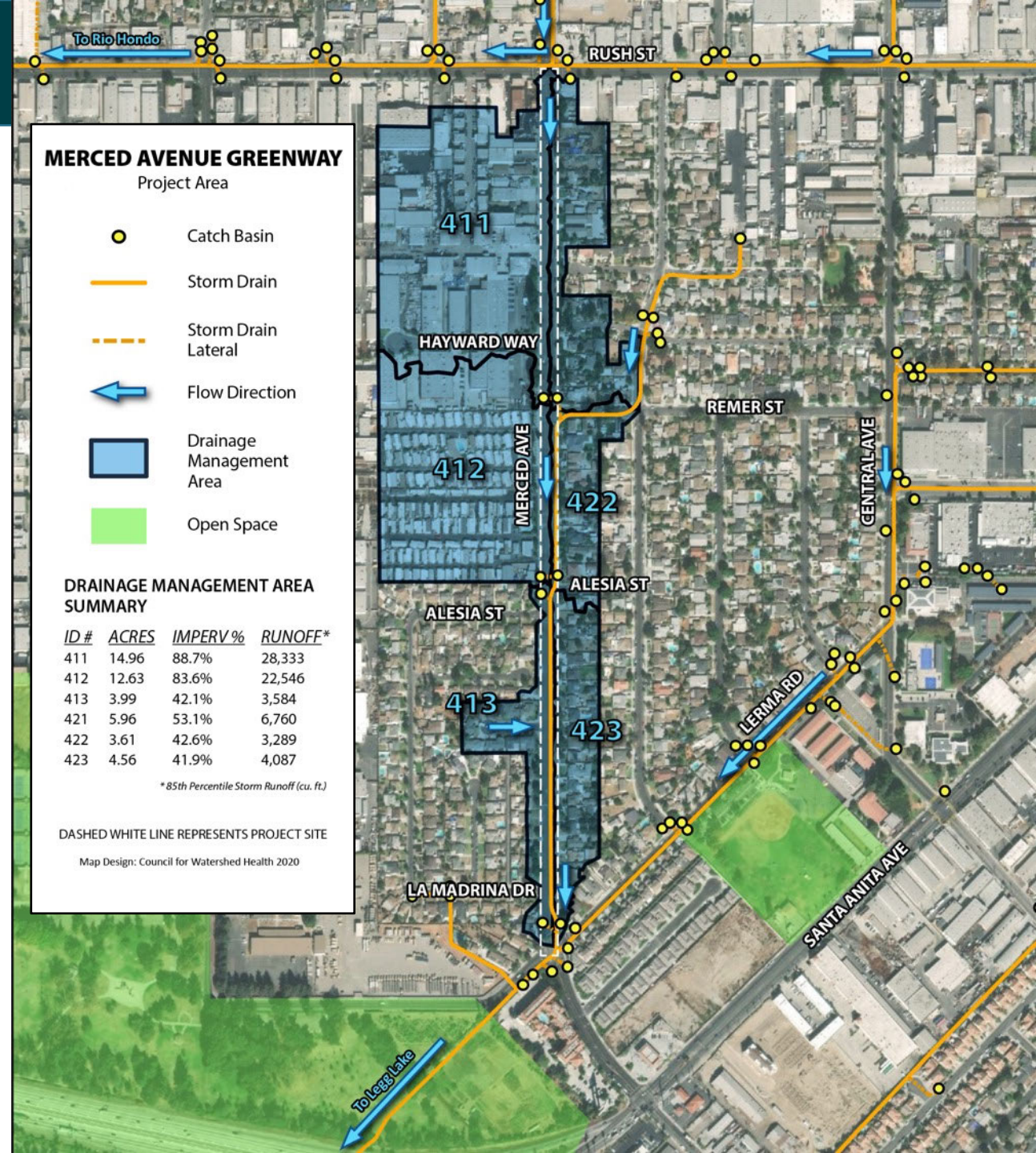
CAPTURE AREA: 45.71 acres

LAND USES:

Industrial - 46%

Multi Family Residential - 36%

Single Family Residential - 18%





Project Background

The City initially called out the street in a 2010 Corridor Revitalization Plan aimed at calming traffic and improving public safety. In 2017, our nonprofit partners submitted a design grant on behalf of the City that included stormwater and climate resiliency components. The Project is included in the Upper San Gabriel River IRWM effort and meets ULAR EWMP design storm guidelines.

- **Municipality Benefits:** Green streets, such as this Project, are identified as a strategy to help the City move toward meeting our MS4 permit requirements and compliance targets.
- **DAC Benefits:** Meets the demand for a safe, pedestrian-friendly active transportation corridor and creates much needed shade, reducing ambient surface temperatures to combat UHI.

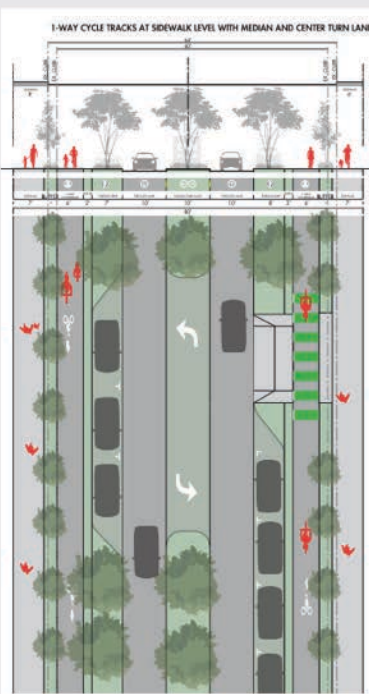
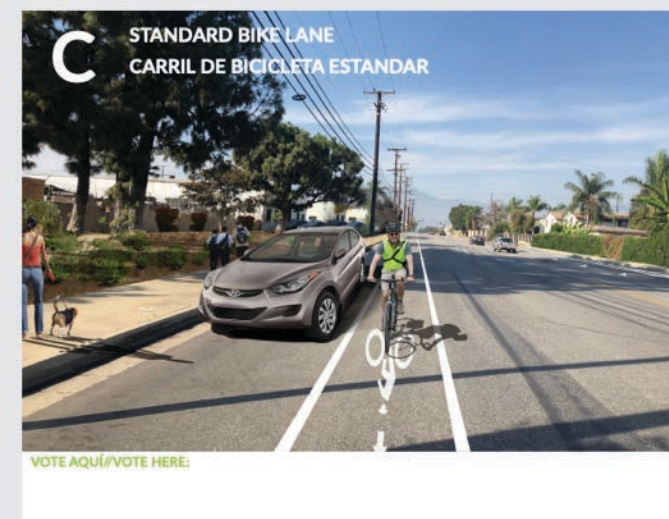


Project Details – Current Site Conditions





Project Details – Alternatives Considered



PROJECT SUMMARY

Bikes ride on a cycle track elevated at the same level as the sidewalk.

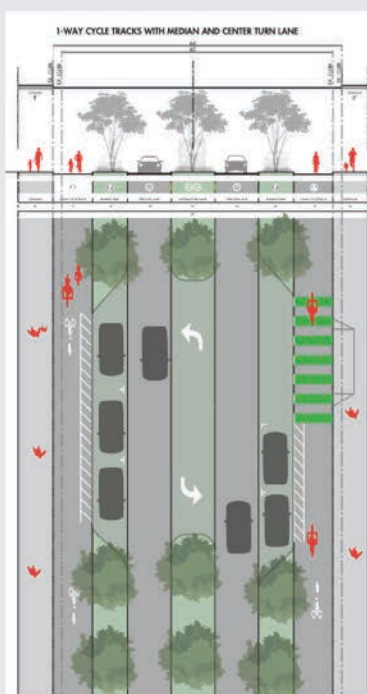
This option creates the most new space for trees and plants, maximizing opportunities to clean water and air while providing shade.



RESUMEN DEL PROYECTO

Las bicicletas viajan en una pista para bicicletas elevada al mismo nivel que la acera.

Esta opción crea nuevo espacio para árboles y plantas, maximizando oportunidades para limpiar el agua y el aire mientras que proporciona sombra.



PROJECT SUMMARY

A bike lane is added at the same level as the road. Parked cars separate those riding from moving cars.

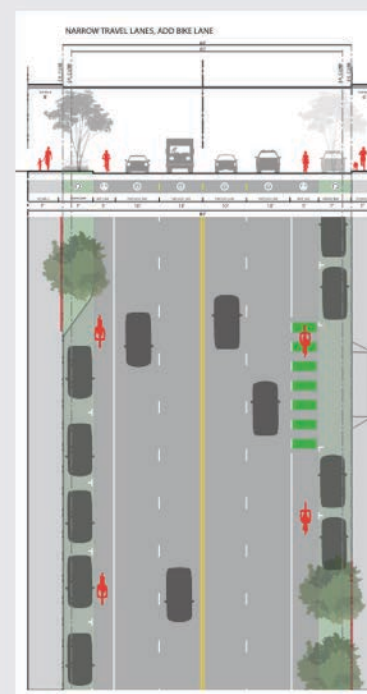
This option minimizes cost by keeping the sidewalk where it is today, and water capture occurs primarily in the center median.



RESUMEN DEL PROYECTO

Se agrega un carril para bicicletas al mismo nivel que la carretera. Carros estacionados separan a los ciclistas de los carros en movimiento.

Esta opción minimiza costo manteniendo la acera donde está hoy, y captura de agua se produce principalmente en la franja divisoria.



PROJECT SUMMARY

A narrow bike lane is added between the parking and travel lanes.

Water capture occurs primarily through permeable paving, few opportunities for new landscape.



RESUMEN DEL PROYECTO

Se agrega un carril para bicicletas estrecho entre los carriles de estacionamiento y de viaje.

Captura de agua se produce principalmente a través de pavimentación permeable, pocas oportunidades para el nuevo paisaje.





Project Details – Final Design

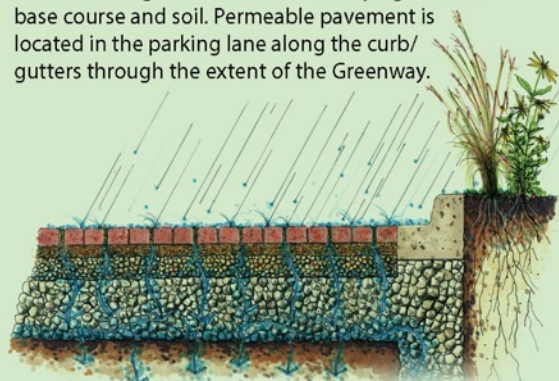




Project Details – Schematic/Site Plan



1 **Permeable pavement** is the first line of treatment, intercepting sheet flow from adjacent properties and infiltrating runoff into the underlying reservoir base course and soil. Permeable pavement is located in the parking lane along the curb/gutters through the extent of the Greenway.



USDA-NRCS (Natural Resources Conservation Service); illustration by Doug Adamson.



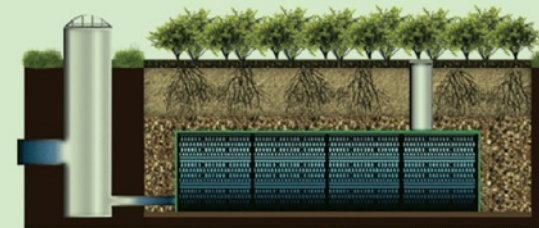
2 Once the permeable pavement is saturated, excessive water flow will be diverted into a second line of treatment through the gutter and into **planting areas** (6" sump) and larger **bioretention areas** from a series of curb cuts. Depth to groundwater goes from 45 ft on the north end of the street down to 6 ft on the south end; therefore, there are a combination of both offline and online bioretention areas depending on the location.



Rendering: Alta Design + Planning, Inc.










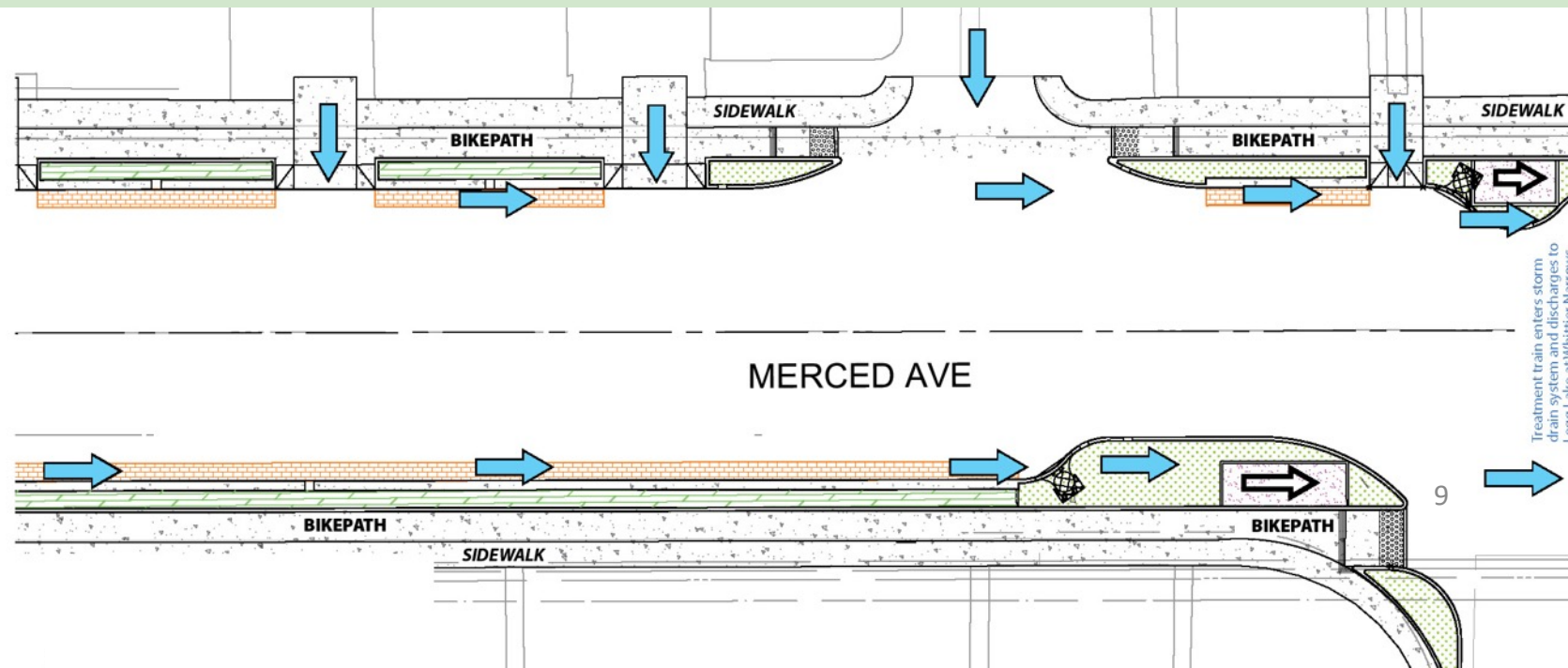
3 **High infiltration media biofiltration areas** are placed on eight select street corner bulbs-outs to capture and treat larger flows before the water enters the storm drain system and discharges to Legg Lake at Whittier Narrows. The FocalPoint System media is highly porous and allows for infiltration rates at 100 in/hr.



Rendering: ACF Ambiental

TREATMENT TRAIN

-  Permeable Pavement
-  Planting Areas
-  Bioretention Areas
-  High Infiltration Media Biofiltration Area
-  Concrete Pavement
-  Above Ground Runoff Flow Direction
-  Below Ground Runoff Flow Direction





Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Community engagement and project concepts development with CBOs	\$ 50,000	07/2017
Design	Pre-Design Monitoring, Existing Conditions and Constraints Analysis, Preliminary Design Report, Community Engagement, 60% and 100% Design Bid Package	\$ 899,939	07/2020
Construction	Water Capture BMP Capital Costs (Bioretention Areas, Biofiltration – High Infiltration Media with underdrain, Permeable Pavers with Infiltration Chambers, Infiltration Chambers)	\$ 3,197,240	03/2024
TOTAL		\$ 4,147,179	

- **Annual O&M Costs: \$76,752** (*pruning, plant care, BMP cleanouts*)
- **Project Lifespan & Lifecycle Cost: \$5,429,504**



Funding Request

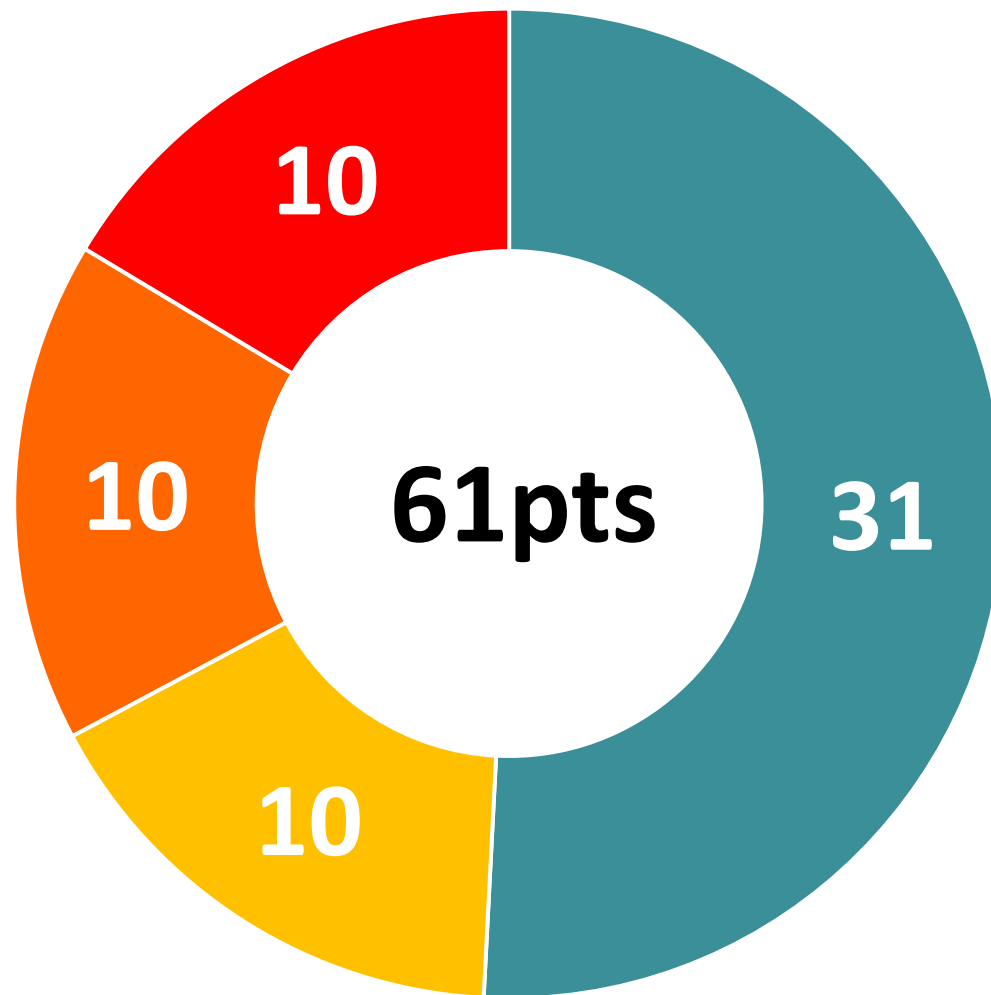
Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$3,197,240.00	Construction	Water Capture BMP Installation (Bioretention Areas, Biofiltration – High Infiltration Media with underdrain, Permeable Pavers with Infiltration Chambers, Infiltration Chambers)
2	\$37,454.00	Monitoring	Post-Construction Monitoring focused on water quality and plant health
TOTAL	\$3,234,694.00		

- **Leveraged Funding:** \$4,110,769 (Planning, Design, Construction for bikelanes, sidewalks, vegetation, trees, irrigation)



Preliminary Score

- Water Quality
- Water Supply
- Community Investment Benefits
- Nature-Based Solutions
- Leveraged Funds and Community Support





Water Quality & Water Supply Benefits

Water Quality Benefits (31pts)

Mechanisms for Water Quality:

Treatment Chain approach re-establishing natural drainage and treatment processes:

- 4,187 ft² - Bioretention Areas (conventional)
- 2,643 ft² - Bioretention Areas (with underdrain)
- 1,907 ft² - High Infiltration Media Biofiltration Areas
- 10,420 ft² - Permeable Pavers (with infiltration chambers)
- 11,078 ft² - Planting Areas (sump 6" stormwater)
- 132 new street trees

Drainage Management Area:

45.71 acres generate 68,600 ft³ of runoff in an 85th percentile, 24-hr storm event

Project Capacity:

Can manage 100% of 85th percentile, 24hr storm event. Will treat 18.05 AFY of wet weather flow; infiltration potential 10.27 AFY

Pollutant Reduction:

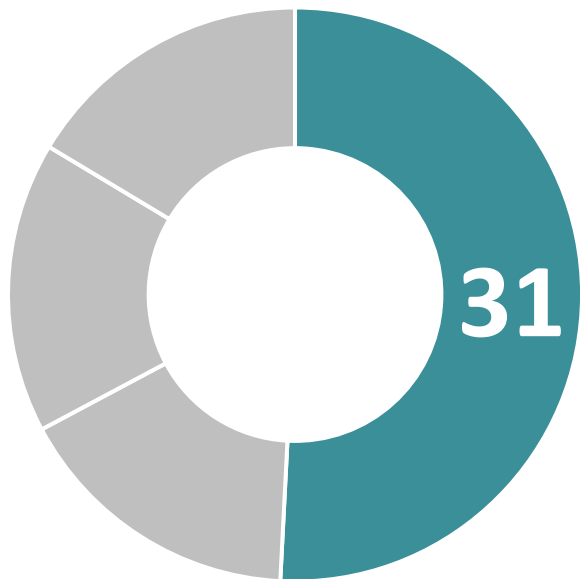
Zinc: 58%; Nitrogen: 59%; Copper: 57%; Lead: 56%; Phosphorous: 59%; *E. Coli*: 59%

Water Supply Use:

Irrigation - recycled water line provided by San Gabriel Valley Water Company

Water Supply and Water Quality Cost Effectiveness:

\$31,652 per ac/ft

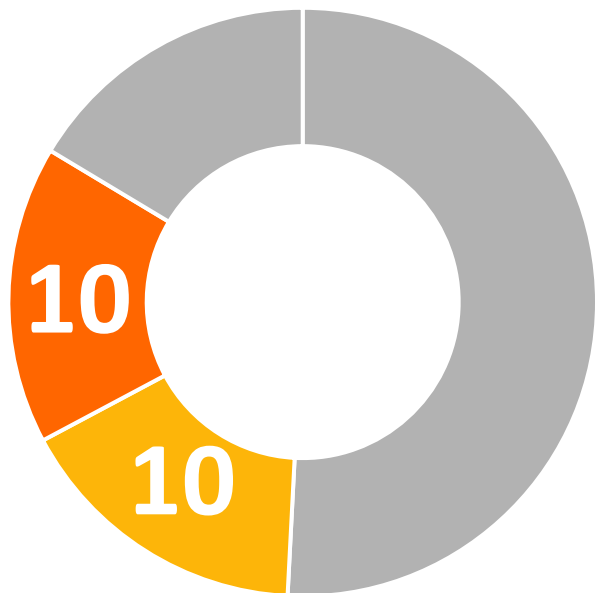




Community Investment Benefits and Nature Based Solutions

Community Investment Benefits (10pts)

- Reduced localized flooding.
- Enhanced community livability and environmental equity.
- Support towards regulatory compliance.
- Habitat connections and enhanced habitat.
- Safer, pedestrian-friendly connection to Whittier Narrows Recreation Area and Rio Hondo; ADA compliance.
- Shade and decreased ambient temperatures/UHI effect.



Nature-Based Solutions (10pts)

- Natural stormwater treatment features (bioretention, biofiltration, and planters).
- Re-establishment of subsurface soil and biology/biochemical processes mimicking pre-urban conditions.
- Over 2900 new native shrubs and 132 trees.



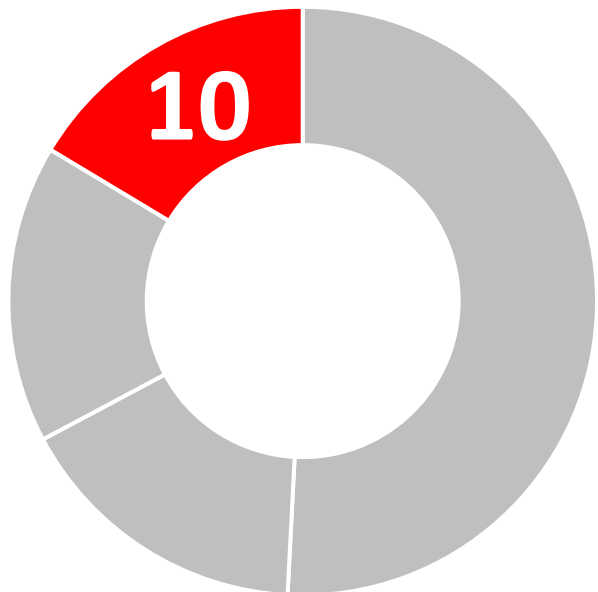
Leveraging Funds and Community Support

Leveraging Funds

- Water Foundation funded planning phase for CWH and Active SGV (\$50K).
- Coastal Conservancy, Disney Foundation, and Water Foundation funded 100% design (\$900K).
- CNRA Prop 68 Green Infrastructure Grant - construction of bike lanes, sidewalks, vegetation (**\$3M AWARDED**).
- RMC Prop 68 Grant - construction PM, demo, greening elements, tree planting (Completed scoring process and met threshold for acceptance; awaiting staff feedback and board approval - \$3M TBA).

Community Support

- Ongoing bilingual/multicultural public engagement since 2015 throughout the design phase led by ActiveSGV and Climate Resolve.
- Multi-pronged approach during the design including door-to-door surveys, youth focus groups, 11 community events, 3 community workshops, 2 street audits, bike tours, and a street demo.





Questions?