SAFE CLEAN WATER PROGRAM

INFRASTRUCTURE PROGRAM
FISCAL YEAR 2026-2027

Garvey Avenue Grade Separation Drainage Improvement Operations and Maintenance Project

UPPER SAN GABRIEL RIVER WATERSHED AREA

APPLICATION TYPE: O&M

PRESENTATION DATE:

FEBRUARY 26, 2026

PROJECT LEAD:

City of El Monte

PRESENTED BY:

Katie Harrel, PE, ENV SP, QSD
Engineering Manager (CWE)

Project Overview

SCWP funding will be used to fund the operation and maintenance activities for the Garvey Avenue Grade Separation Project.

PROJECT LEAD

City of El Monte

SCORING COMMITTEE SCORE

64

PROJECT STATUS

Construction

TOTAL FUNDING REQUESTED

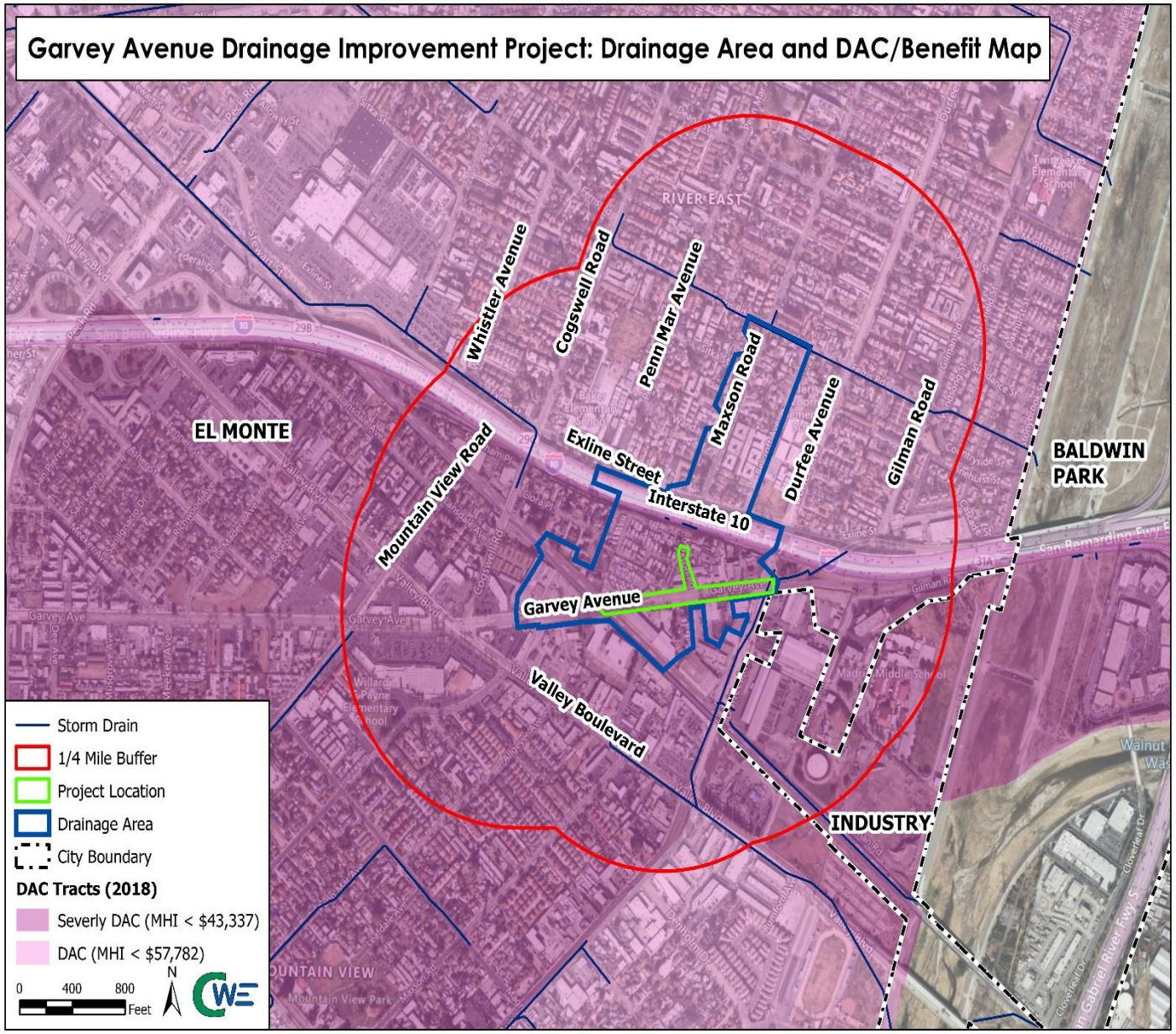
$510,000

Funding Request Phase(s): O&M

Previously Awarded Technical Resources Project Concept: No

Previously Awarded Instructure Program Project: Yes


Project Location
City ROW
Garvey Avenue
Garvey Ave
Interstate 10
San Bernardino Fwy E
Exline Street
Exline St
Maxson Road
Maxson Rd
Durfee Avenue
Gilman Road
EL MONTE
INDUSTRY
Valley Boulevard
Valley Blvd
Baker Elementary School
Jerry Voorhis Elementary School
Stockham Pl
Wanda St
Belcroft Ave
Glora Pl
Maxson Pl
Allegyer Ave
0 150 300 Feet
N
Los Angeles County
Ventura County
LAR Watershed
SGR Watershed
City of El Monte
Whittier Narrows
Project Location
Rio Hondo Channel
San Bernardino County
Orange County
Los Angeles River
San Gabriel River


Garvey Avenue Drainage Improvement Project: Drainage Area and DAC/Benefit Map
EL MONTE
BALDWIN PARK
INDUSTRY
RIVER EAST
Whistler Avenue
Cogswell Road
Penn Mar Avenue
Maxson Road
Durfee Avenue
Gilman Road
Mountain View Road
Exline Street
Interstate 10
Garvey Avenue
Valley Boulevard
Storm Drain
1/4 Mile Buffer
Project Location
Drainage Area
City Boundary
DAC Tracts (2018)
Severly DAC (MHI < $43,337)
DAC (MHI < $57,782)
0
400
800
Feet
N

Project Background

Why was the Project location selected?

The Garvey Avenue underpass was experiencing frequent flooding; therefore, the Garvey Avenue Grade Separation Project was proposed.

How was the Project developed?

- The Project is designed to meet current design standards for a 50-year storm and reduce the occurrence of flooding and capturing pollutants from low flows and stormwater from rain events less than or equal to the water quality storm event, defined as the 85th percentile 24-hour rainfall event.
- The El Monte Watershed Management Program Plan includes the proposed project.

How will the Project provide regional benefits to the Watershed Area?

- The Project will improve water quality by capturing, retaining, and infiltrating first flush stormwater runoff and some flood flows, which will improve water quality downstream.
- The proposed Project will also help the City in complying with Municipal Separate Storm Sewer System (MS4) Permit and Total Maximum Daily Loads (TMDLs) requirements by capturing and infiltrating stormwater runoff. Item

How will the Project provide Disadvantaged Community (DAC) Benefits, if any?

- The Project is within a disadvantaged community per the 2018 California Department of Water Resources (DWR) California Disadvantaged Communities Mapping Tool and will directly benefit DACs.
- The Project will provide the following benefits to the DACs: improving water quality and water supply; improving flood management; enhancing new recreational opportunities; reducing local heat island effect; and incorporating nature-based solutions.

Partners

Who are the Project collaborators?

City of El Monte

What communities or groups have expressed support for the Project via letters of support?

Letters of support were obtained from the following: Madrid Middle School Mountain View School District, America's Best Value Inn & Suites, Service Center of El Monte, A-1 self-storage, Tile & Cabinet Expo, Route 66 Gas, JS Glass Corporation, Skyline Mobile Estates, Skyline Mobile Estates, and Amigos de los Rios.

If requesting construction and/or O&M funds, who is the responsible party in charge of operations and maintenance?

The City of El Monte will be responsible for ongoing O&M.

If applicable, has the Project received a letter of conceptual approval from the Flood Control District?

N/A

Project Details

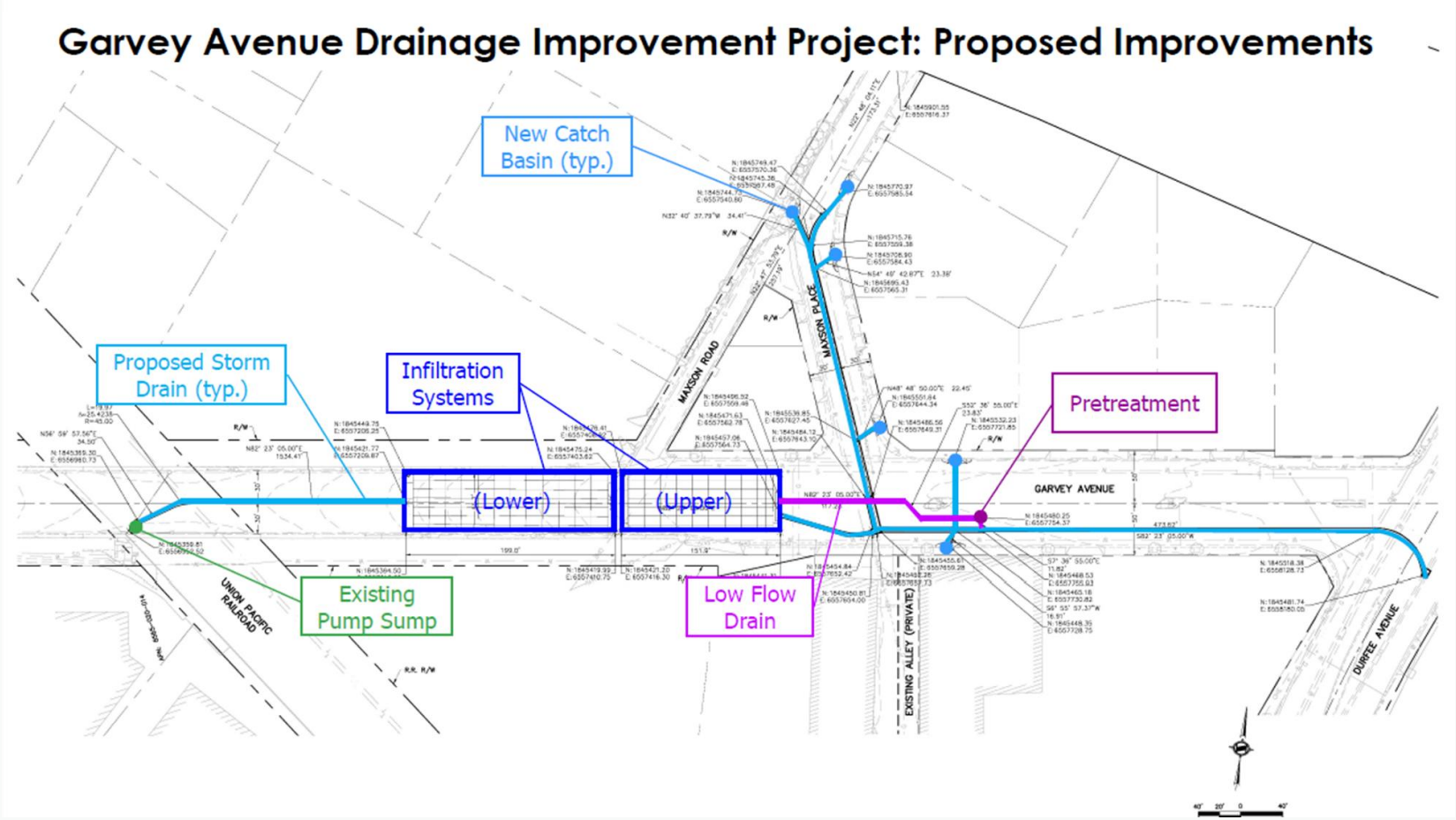
Current site conditions, land ownership/right-of-way, and potential/future constraints

- The Project is currently in construction phase.
- Post construction O&M and monitoring is anticipated to commence upon construction completion.
- The City of El Monte will be responsible for ongoing O&M.
- The Project is in City right-of-way and does not involve LACFCD infrastructure.
- No known constraints and limitations will interfere with the O&M activities

Technical Activities Completed

- 65%, 95%, 100% Plans, Specifications, and Estimate
- CEQA Initial Study, MND, and NOD
- Project Design Report
- Site Observation Memorandum (Geotechnical)
- Geotechnical Engineering Report
- Vector Minimization Plan

Project Schematic



Proposed improvements include new catch basins, two (2) underground infiltration basins, diversion systems, hydrodynamic separator, overflow, forebay, storm drain and appurtenance, and pump discharge line.

Cost and Schedule

PHASE	DESCRIPTION	COST	COMPLETION DATE
Planning	Planning and design	$100,000	05/08/2023
Construction	Construction of stormwater features	$8,331,040	08/31/2025
TOTAL COST		**$8,431,040.00**	

Cost and Schedule (Continued)

ANNUAL COSTS	
Annual Maintenance Cost	$88,605
Annual Operation Cost	$0
Monitoring Costs	$18,887

LIFE-CYCLE COSTS	
Project Life Span	50 Years
Total Life-Cycle Cost	$11,010,192.38
Annualized Life-Cycle Cost	$$458,874.63

Cost Share

TYPE OF COST SHARE	FUNDING AMOUNT	PHASE	COST SHARE STATUS	BRIEF DESCRIPTION
Grant Award	$4,015,800	Construction	Commitment Received	DWR FMPRA Grant
Agreements	$2,250,000	Construction	Commitment Received	Caltrans CIA Agreement

- Total Cost Share: $6,265,800
- Leveraged Funding Percentage: The City provided over 50% cost share for the total project cost.

Funding Request

YEAR (FISCAL YEAR)	SCW FUNDING REQUEST	PHASE	EFFORTS DURING PHASE AND YEAR
1 (FY26-27)	$110,000	O&M; Monitoring	Monitoring and reporting; O&M
2 (FY27-28)	$110,000	O&M; Monitoring	Monitoring and reporting; O&M
3 (FY28-29)	$110,000	O&M; Monitoring	Monitoring and reporting; O&M
4 (FY29-30)	$90,000	O&M	O&M
5 (FY30-31)	$90,000	O&M	O&M
TOTAL	**$510,000**		

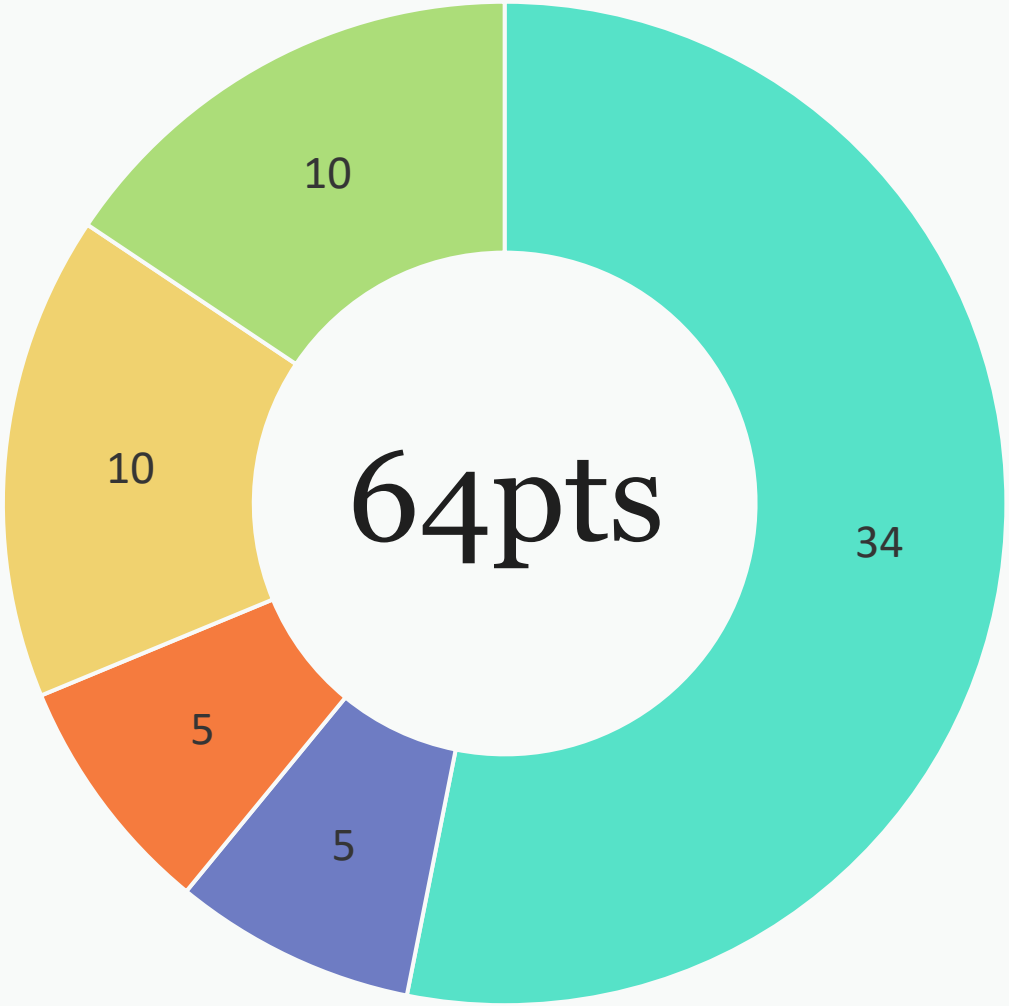
- Potential Future SCW Funding Request: TBD

Metrics & Measures

	PROJECT BENEFIT METRICS	METRIC
Improve Water Quality	Zinc load reduction (lbs/year)	23
	Total Phosphorous load reduction (lbs/year)	18
Increase Drought Preparedness	Increase Local Water Supply through Stormwater Capture (ac-ft/year)	20.8302 (7.71 with net countable supply ratio)
	Increase local supply through groundwater recharge and storage (ac-ft/yr)	20.8302 (7.71 with net countable supply ratio)
Improve Public Health	Net area of park and green space created (acres)	0
	Net area of green space at schools created (acres)	0
	Net area of park enhanced or restored (acres)	0
	Net area of canopy, cooling, and shading surfaces (acres)	0
	Net new trees planted	0
Deliver Multi-Benefit Projects	Net area of habitat created, enhanced, restored, protected (acres)	0
Promote Green Jobs & Career	Annual Full Time Equivalent Jobs Created	32.26

Final Score by Scoring Committee

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

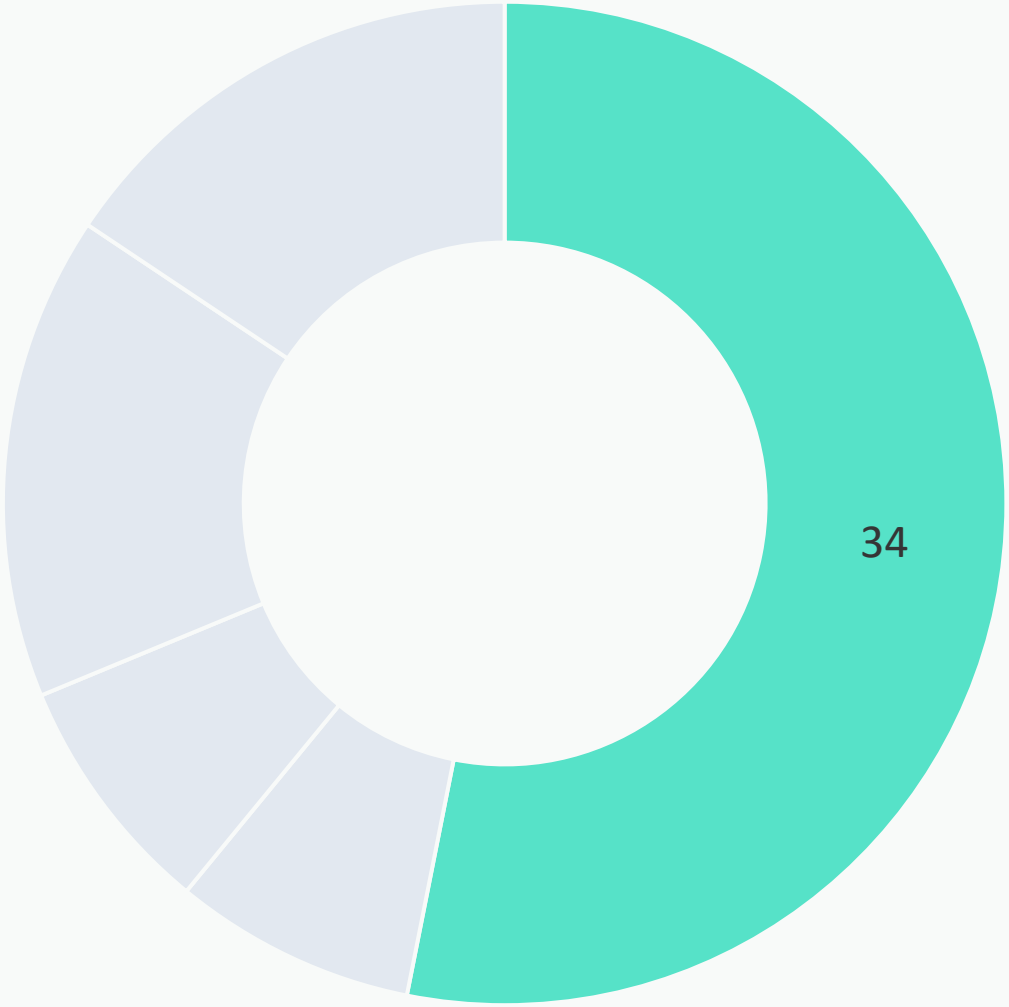


* The Scoring Committee confirmed this score on December 15, 2025

Score Breakdown

Water Quality

- Primary mechanisms that achieve Water Quality and Water Supply Benefits claimed
- Capture, treat, and infiltrate dry-and wet-weather flows, which will improve water quality downstream.
- Tributary Area is 42.7 acres.
- Volume capacity for the system is approximately 6.068 ac-ft.
- Pollutant Reduction is for zinc and bacteria
- Water Quality Cost Effectiveness is approximately 2.94 based on the following equation: the 24-hour BMP capacity of 2.4476 acre-ft divided by the Construction Cost of $8,331,040.
- Selected pilot for Water Quality and scoring



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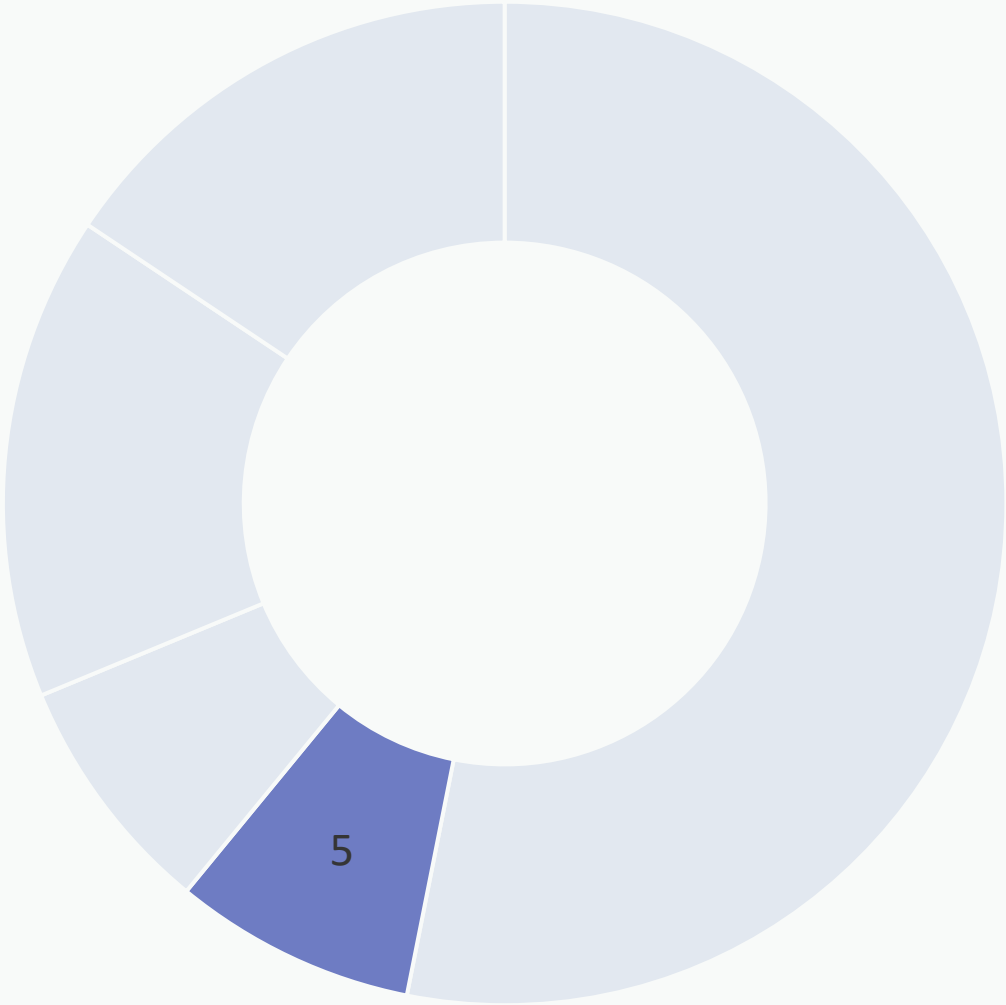
Score Breakdown

Water Supply

- Annual Water Supply Volume is approximately 20.83 ac-ft, while the adjusted volume based on the Net Countable Supply Ratio (37% based on being tributary to Whittier Narrows) is 7.71 ac-ft.
- Captured stormwater runoff is infiltrated to recharge groundwater aquifer
- Water Supply Cost Effectiveness is calculated using Annualized Life-Cycle Cost ($458,874.63) divided by 7.71 acre-ft, which is approximately $59,517/acre-ft.
- Selected pilot for Water Quality and Water Supply scoring



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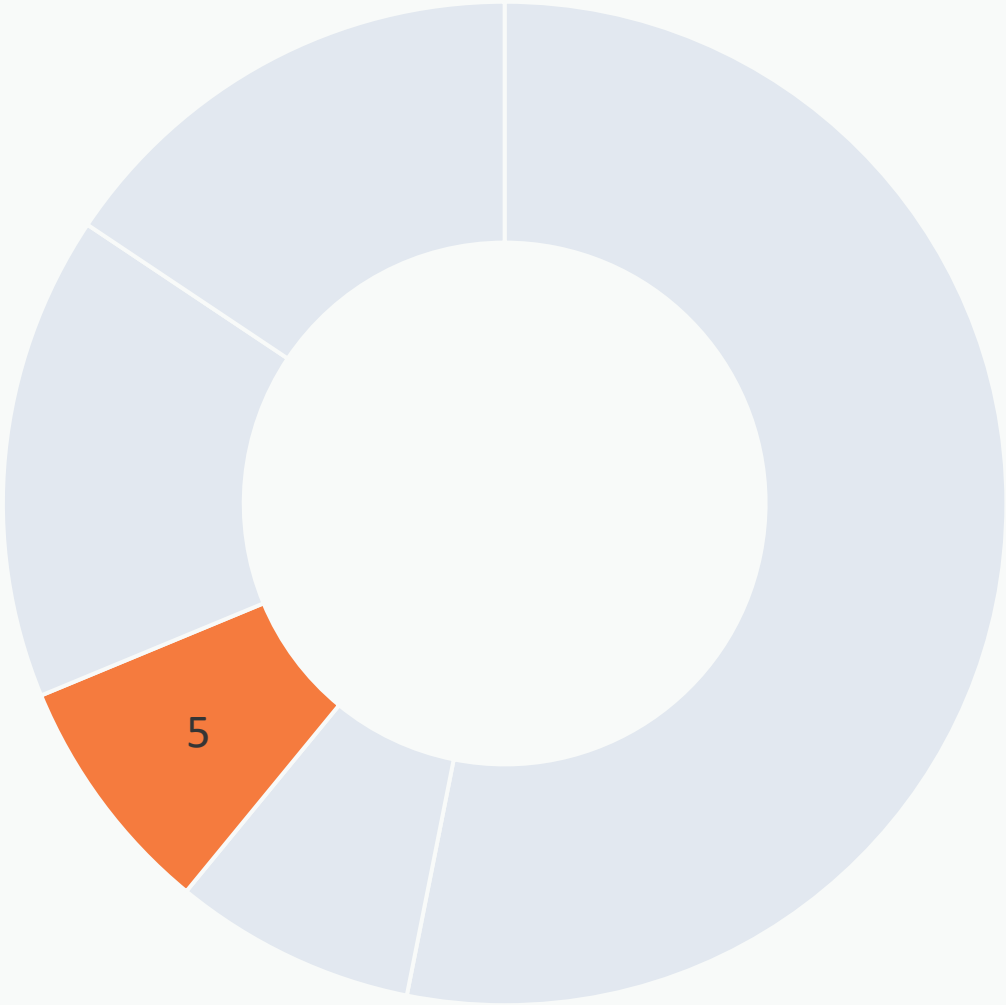
Score Breakdown

Community Investment Benefits

- Improves flood management and flood risk mitigation by capturing flows in areas known for flooding.
- The Project invests in local DAC communities, by constructing a bike lane and median, reducing flooding, and promoting green jobs.



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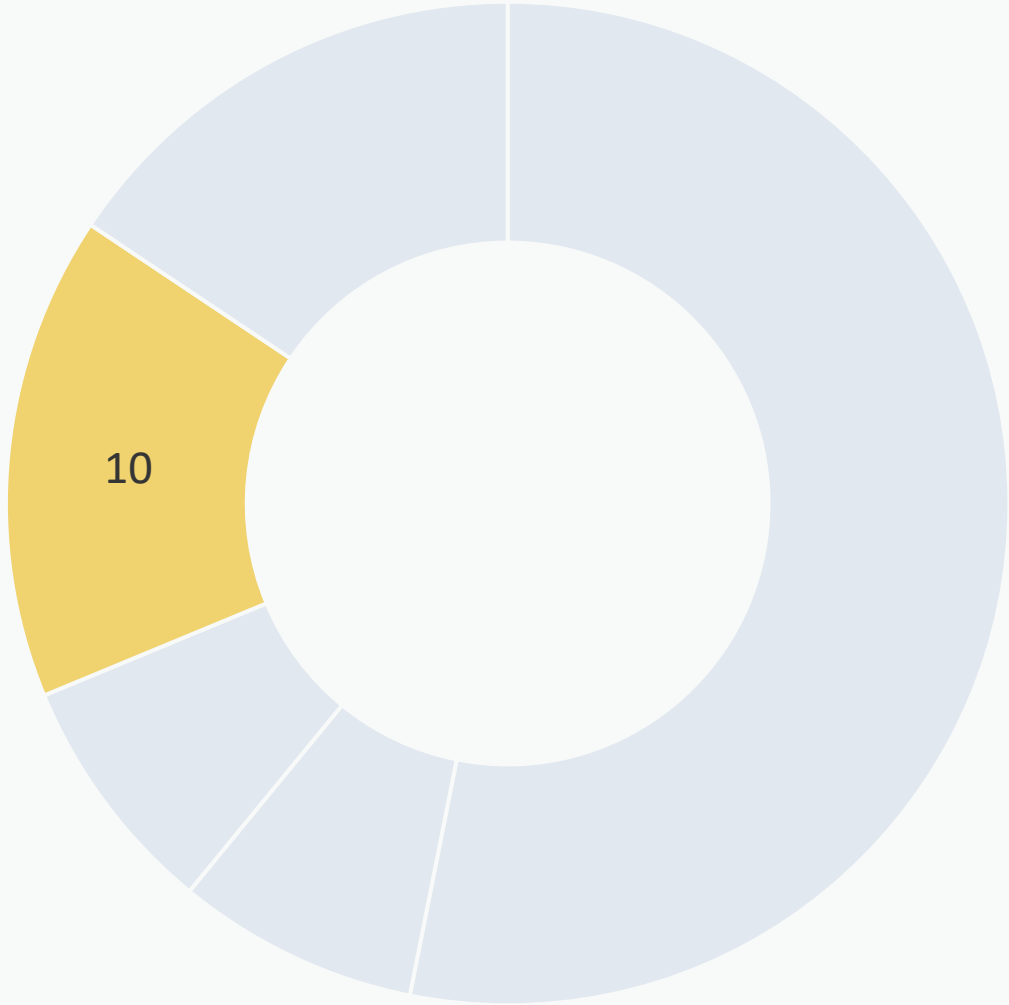
Score Breakdown

Nature-Based Solutions

- Project mimics natural processes by allowing runoff to infiltrate into the ground by the proposed underground infiltration galleries, ultimately contributing to groundwater recharge.
- Project utilizes natural materials by implementing shrubs, ground cover, and trees native to Southern California. Approximately 5-15% of the Project area will be covered by new climate-appropriate vegetation. The estimate of vegetative cover at plant maturity is approximately 5% of the total Project area cover.



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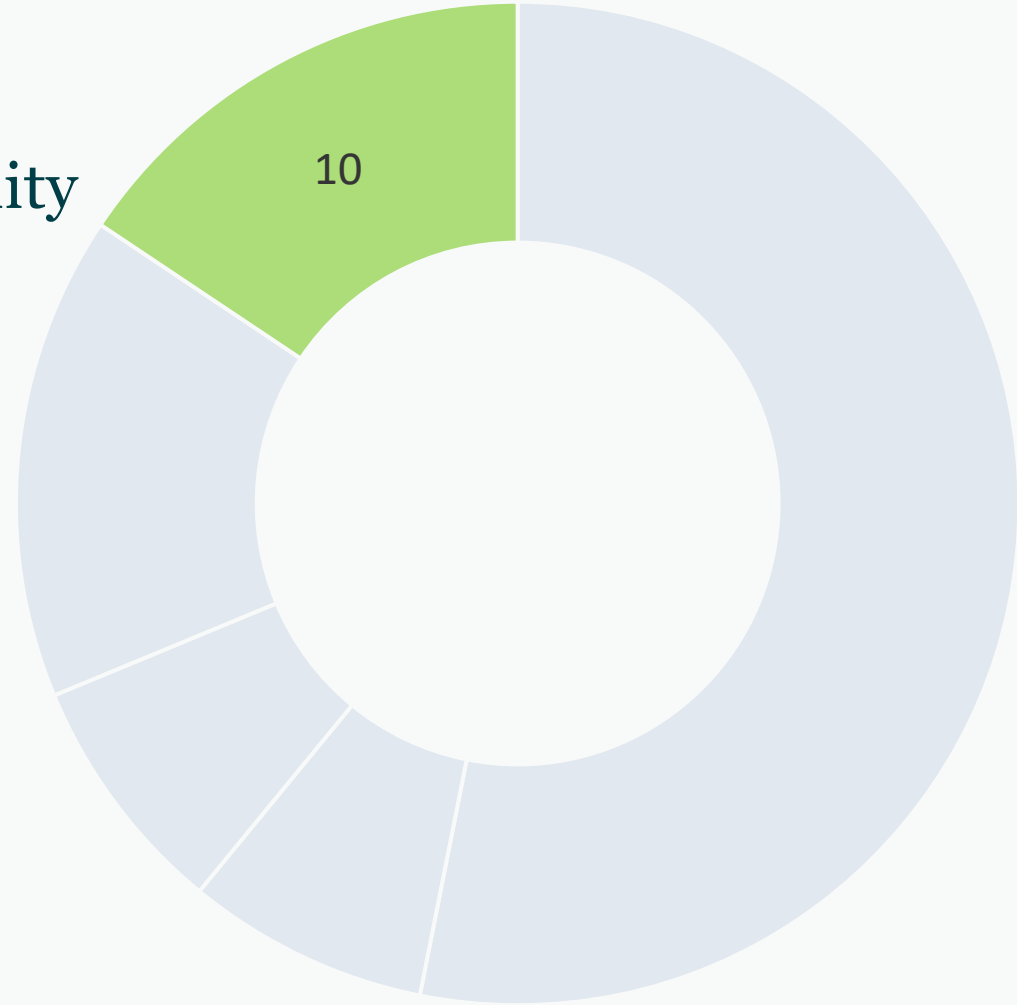
Score Breakdown

Leveraged Funds and Community Support

- The City provided over 50% cost share for the total project cost.
- The City proactively pursued and secured funding from other sources for planning, design, bid/award, and construction phases.
- The City conducted various outreach activities to receive feedback. The Project engaged local residents and stakeholders by the outreach and engagement events held by the City of El Monte in 2021 and 2023.
- Letters of support were obtained from the following: Madrid Middle School Mountain View School District, America's Best Value Inn & Suites, Service Center of El Monte, A-1 self-storage, Tile & Cabinet Expo, Route 66 Gas, JS Glass Corporation, Skyline Mobile Estates, Skyline Mobile Estates, and Amigos de los Rios.
- A groundbreaking ceremony was held in June 2024, which raise public awareness about the Project and educate the residents in benefitting DAC areas about stormwater quality management.



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Thank you

QUESTIONS?

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Engineering Manager with CWE