SAFE CLEAN WATER PROGRAM

INFRASTRUCTURE PROGRAM
FISCAL YEAR 2026-2027

Campus – Community Connection: UCLA's Mobility, Stormwater Capture, and Greening Project

CENTRAL SANTA MONICA BAY WATERSHED

APPLICATION TYPE:
DESIGN-ONLY

PRESENTATION DATE:
JANUARY 06, 2025

PROJECT LEAD:

University of California, Los Angeles
Bonny Bentzin, UCLA
Felipe Vazquez, LA Metro

Project Overview

A multi-benefit water quality improvement, water supply augmentation, greening, and community connection enhancement project on UCLA campus

PROJECT LEAD

University of California, Los Angeles

SCORING COMMITTEE SCORE

66

PROJECT STATUS

10% Design

TOTAL FUNDING REQUESTED

$1,126,000

>50% Secured Funding Match

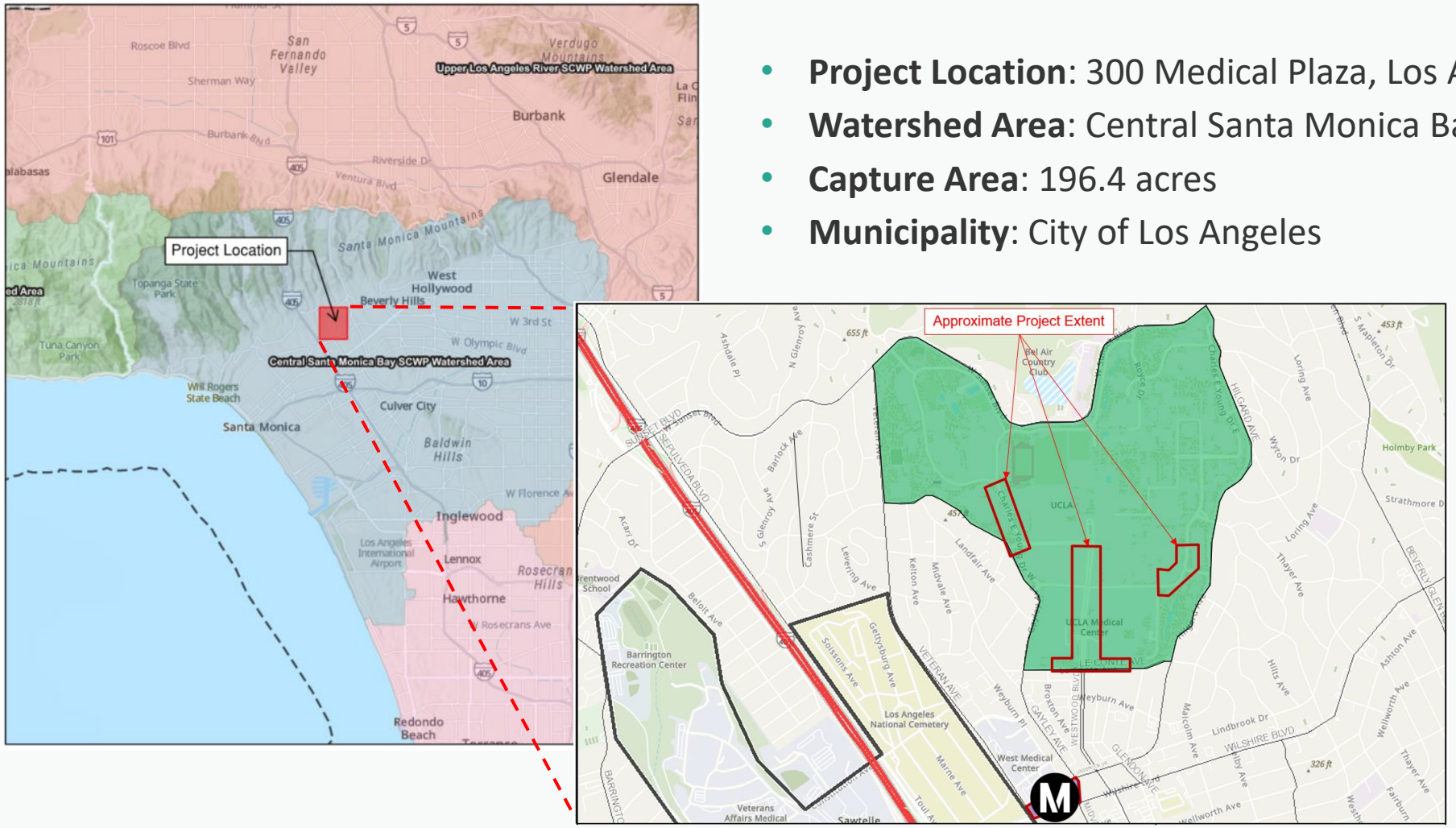
Funding Request Phase(s): Design

Previously Awarded Technical Resources Project Concept: No

Previously Awarded Instructure Program Project: No

A collaborative initiative developed in coordination with **UCLA, Metro, Caltrans, the City of Los Angeles, and LA Waterkeeper**.

Project Location

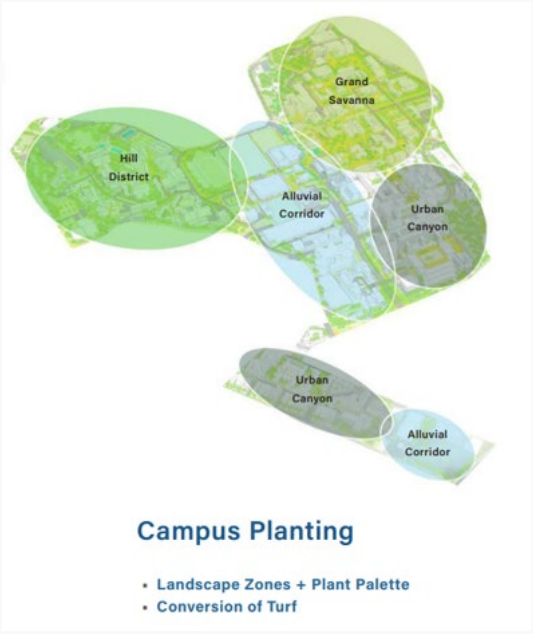


- **Project Location**: 300 Medical Plaza, Los Angeles, CA 90095
- **Watershed Area**: Central Santa Monica Bay
- **Capture Area**: 196.4 acres
- **Municipality**: City of Los Angeles

Project Background

Location Selection, Development, and Benefits

- Serves as a gateway to the UCLA campus
- Supports 2022 UCLA Landscaping Plan, the 2022 UCLA Sustainability Plan, and the 2020 Metro Moving Beyond Sustainability Plan.



Project Background

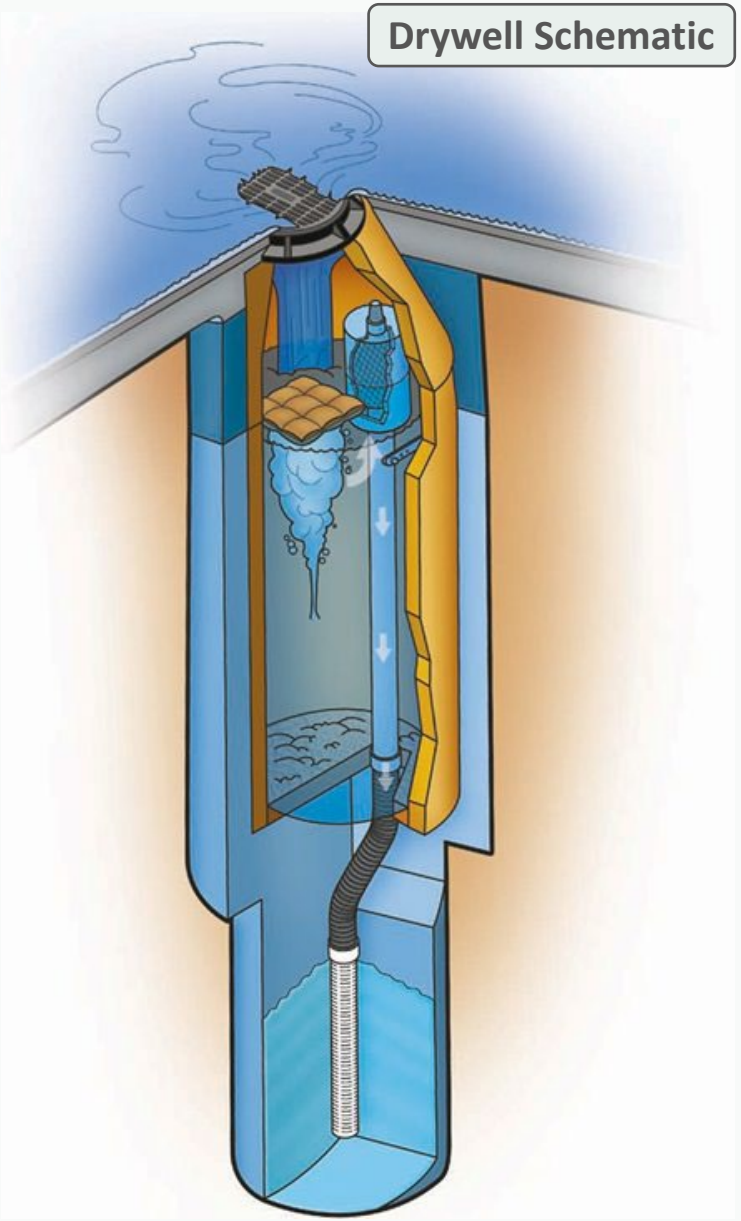
Location Selection, Development, and Benefits

- Integrates stormwater BMPs, active transportation safety enhancements, and greening and public education along the Westwood Plaza Corridor
- Rare large-scale opportunity for groundwater recharge within underutilized area of Santa Monica groundwater basin

Educational Signage Example

Bioswale Bulb-Out Example

Drywell Schematic



Project Background

Location Selection, Development, and Benefits

- Nexus to LADOT active transportation Westwood Boulevard Improvement project

Partners

The Project was identified as a potential opportunity through a Metro charrette effort and represents a collaborative initiative developed in coordination with **UCLA, Metro, Caltrans, the City of Los Angeles, and LA Waterkeeper**.

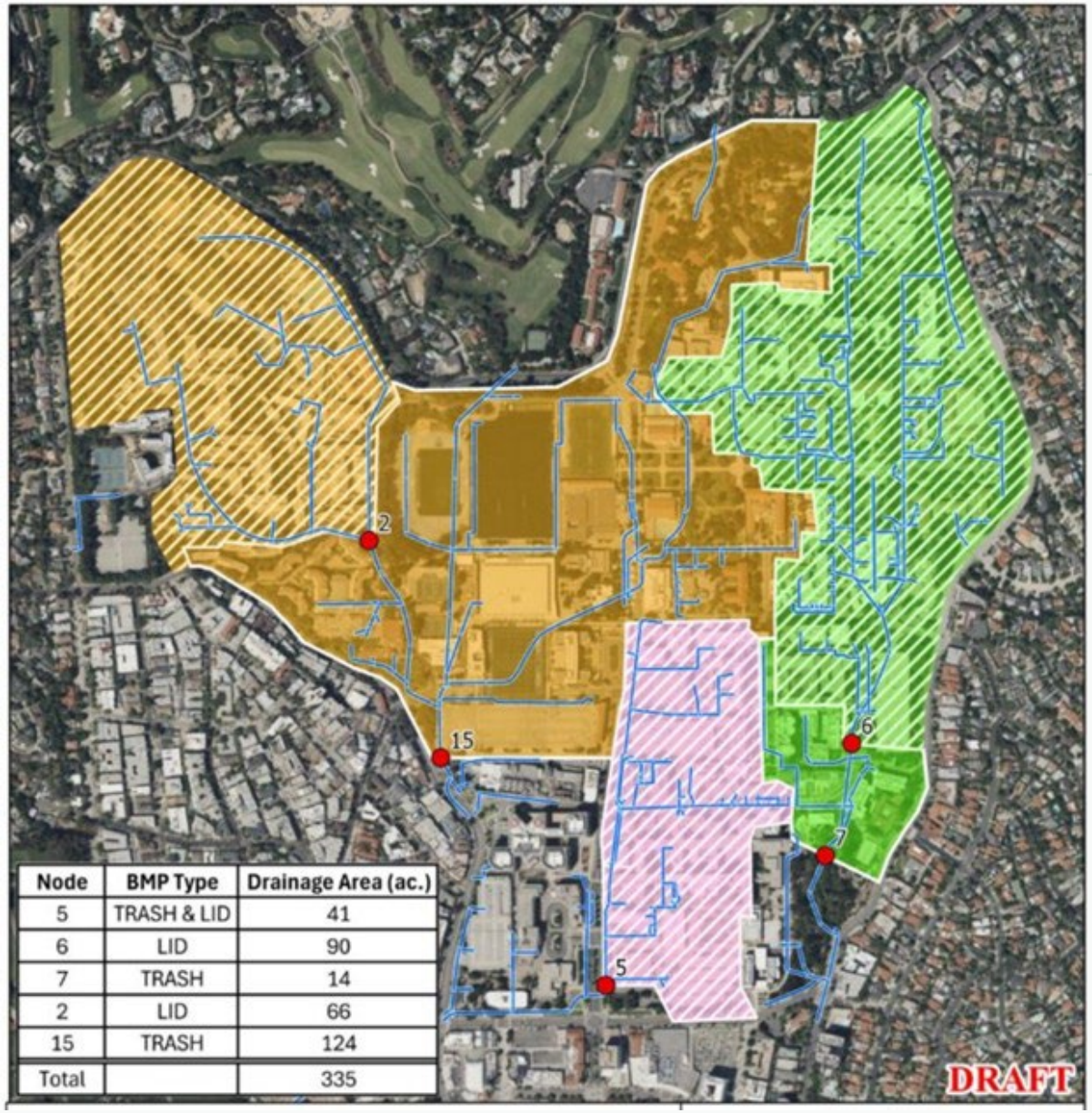
The Project is supported by community and school groups and local agencies including the

- City of Los Angeles
- Metro
- Caltrans
- State Senator Ben Allen
- Assembly Member Rick Chavez Zbur
- Streets for All
- Westwood Village Improvement Association (Business Improvement District)
- Climate Resolve
- North Westwood Neighborhood Council
- LA Waterkeeper
- UCLA Semel Healthy Campus Initiative
- Undergraduate Student Association (USAC) Facilities Commission
- West Basin Municipal Water District.

UCLA will be responsible for Project O&M.

Project Location - Drainage Area

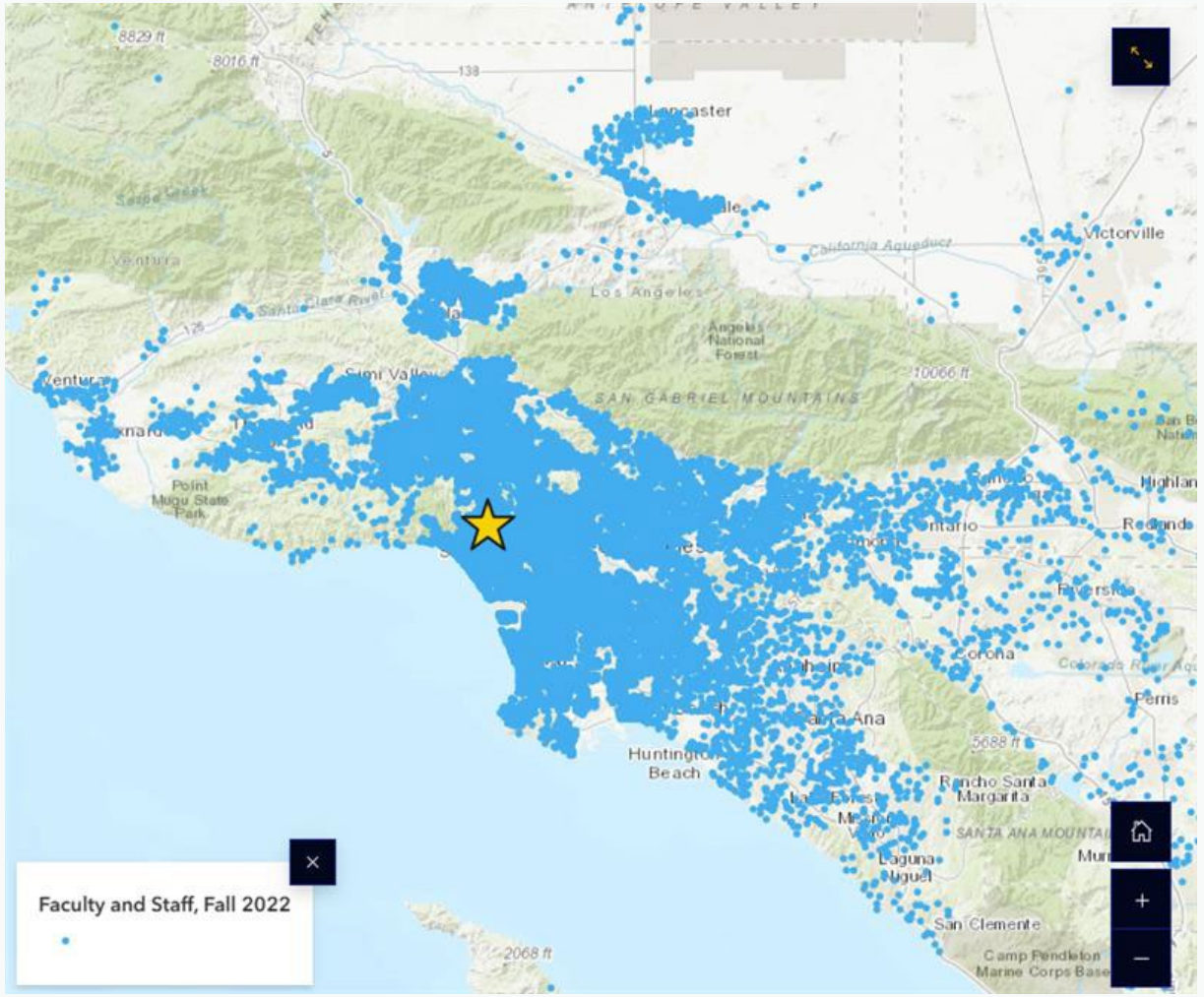
- The Project proposed to capture and infiltrate approximately 47.0 acre-feet of stormwater from 196 acres
- The Project will provide full trash capture for an additional 139 acres, for a total Project area of 335 acres
- The infiltrated stormwater will recharge the Santa Monica groundwater basin



Node	BMP Type	Drainage Area (ac.)
5	TRASH & LID	41
6	LID	90
7	TRASH	14
2	LID	66
15	TRASH	124
Total		335

Disadvantaged Community (DAC) Benefits

- Serves students, faculty, and staff reflecting the full diversity of LA County's communities
- Improves safety and access for UCLA Health patients and employees
- Contributes to more resilient, sustainable, and equitable campus environment



Project Benefits

- Stormwater BMPs improve water quality, increase water supply, reduce flooding, and reduce heat
- Improves the walking and bicycling comfort and safety for UCLA campus and hospital visitors, students, and employees
- Increases greening, habitat, and biodiversity on campus through native landscaping, bioretention, and bioswales
- Revamps the main entrance to the UCLA campus and connects to the City of L.A. Westwood Boulevard Project
- Extends first/last mile connection between future D Line station into Gateway Plaza on UCLA's campus
- Engages and informs the community about environmental benefits through educational signage

Project Details

✅ Concept Design completed July 2025

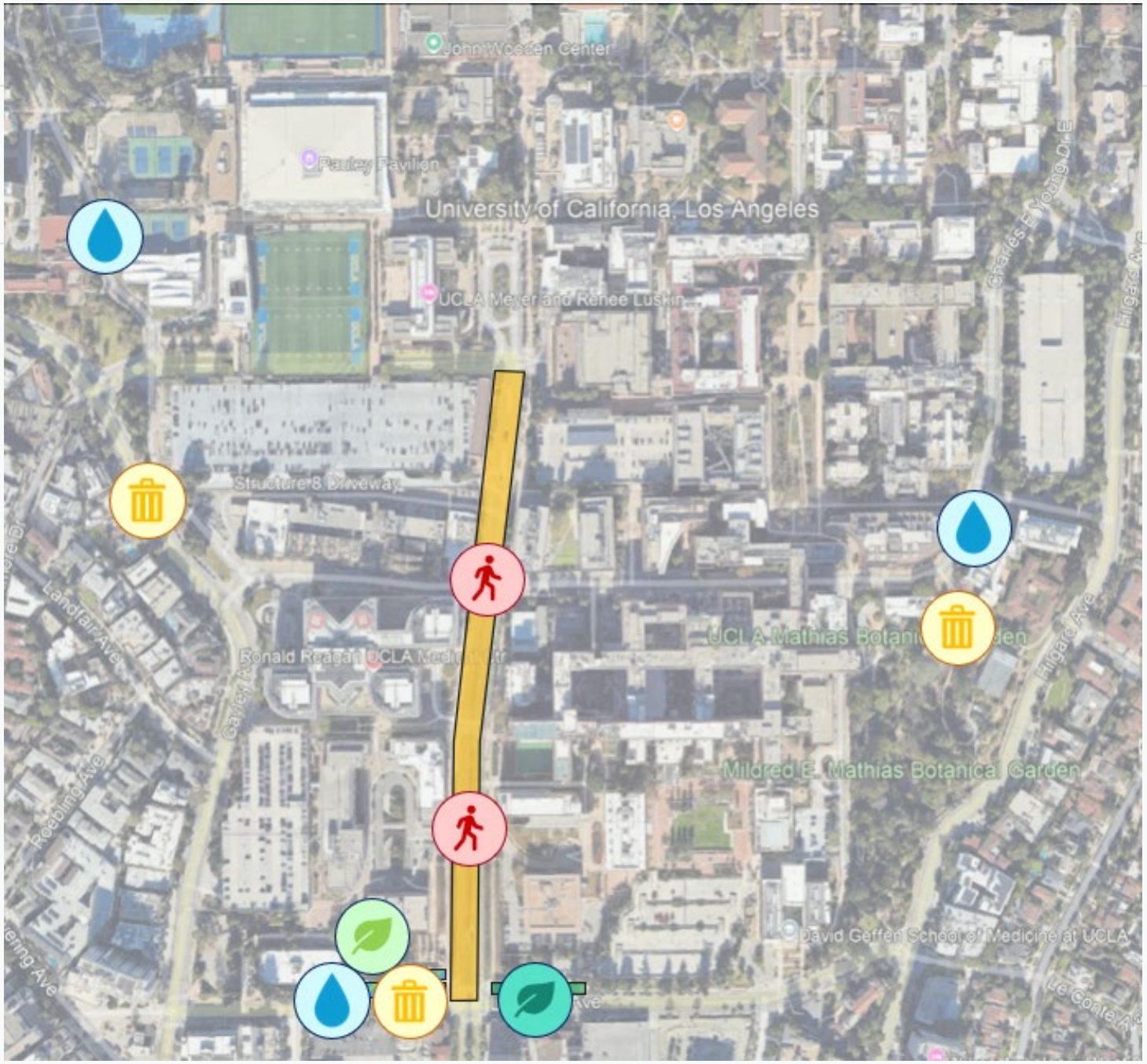
✅ 50% funding match from UCLA, Metro and Caltrans

Safe Clean Water Program Funding Request

- Full design of the following elements:
  - Drywells
  - Bioretention
  - Vegetated swales
  - Native planting
- Community Engagement & Outreach

Project Schematic

- Drywell Networks
- Native Planting Area
- Bioretention Area
- Potential Curb Bulb-Out
- Full Trash Capture System
- Bike Lane Improvements



Cost and Schedule

PHASE	DESCRIPTION	COST	START DATE	COMPLETION DATE
Planning	Planning includes Feasibility Study preparation, conducting a multi-benefit project charrette, and trash capture design and permitting.	$754,000	09/01/2023	06/01/2026
Design	Design includes Environmental Quality Act (CEQA), site investigations, formal project design, intermediate and final project completion audits, and permitting	$1,501,000	06/01/2026	10/01/2027
Construction	Construction cost includes the cost of labor, equipment, material, plus overhead, escalation, and contingencies.	$16,649,000	10/01/2028	10/01/2029
TOTAL COST		**$18,904,000**		

Cost and Schedule (Continued)

ANNUAL COSTS	
Annual Maintenance Cost	$177,000
Annual Operation Cost	$0
Monitoring Costs	$0

LIFE-CYCLE COSTS	
Project Life Span	50 Years
Total Life-Cycle Cost	$23,150,920.43
Annualized Life-Cycle Cost	$964,866.89

Cost Share

TYPE OF COST SHARE	FUNDING AMOUNT	Phase	COST SHARE STATUS	BRIEF DESCRIPTION
Agreements	$633,000	Design	Money Received	Metro funded the project planning efforts, including project charrette, stakeholder meetings, and preparation of the feasibility study report.
Other Funding	$121,000	Design	Money Received	UCLA has secured funding for the planning and design of the trash capture component of the project.
MOU	$375,000	Design	Money Committed	Caltrans has committed to contributing at least 25% to the future Project design cost if the Project receives design funding through the SCW program.

- Total Cost Share: $1,129,000
- Leveraged Funding Percentage: >50% of the Design funding request

Funding Request

YEAR (FISCAL YEAR)	SCW FUNDING REQUEST	Eligible Expenditure	PHASE	EFFORTS DURING PHASE AND YEAR
1 (FY26-27)	$1,126,000	Yes	Design	Design
TOTAL	**$1,126,000**			

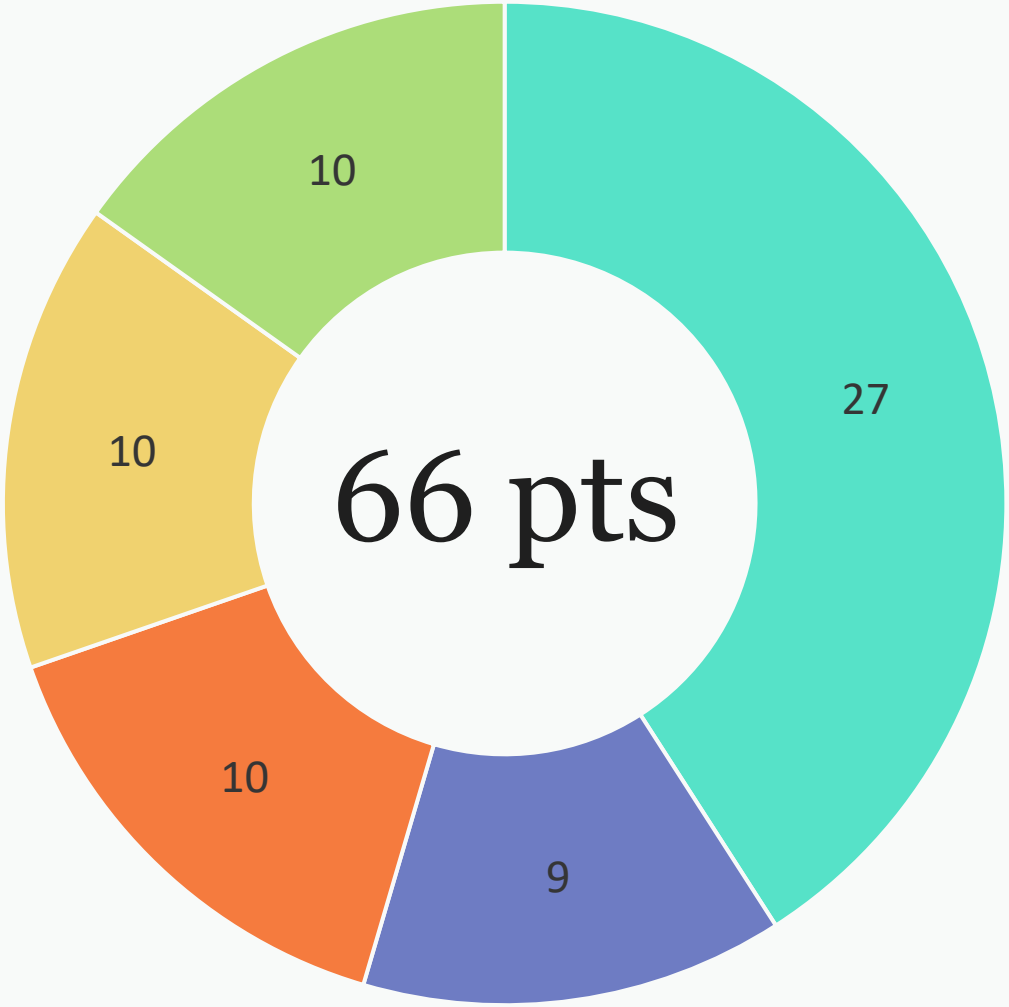
- Potential Future SCW Funding Request: Approximately $7M for construction

Metrics & Measures

	PROJECT BENEFIT METRICS	METRIC
Improve Water Quality	Zinc load reduction (lbs/year)	20
	Total Phosphorous load reduction (lbs/year)	21
Increase Drought Prepared-ness	Increase Local Water Supply through Stormwater Capture (ac-ft/year)	0
	Increase local supply through groundwater recharge and storage (ac-ft/yr)	47
Improve Public Health	Net area of park and green space created (acres)	0.413
	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	4
Deliver Multi-Benefit Projects	Net area of habitat created, enhanced, restored, protected (acres)	0.413
Promote Green Jobs & Career	Annual Full Time Equivalent Jobs Created	67.83

Final Score by Scoring Committee

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

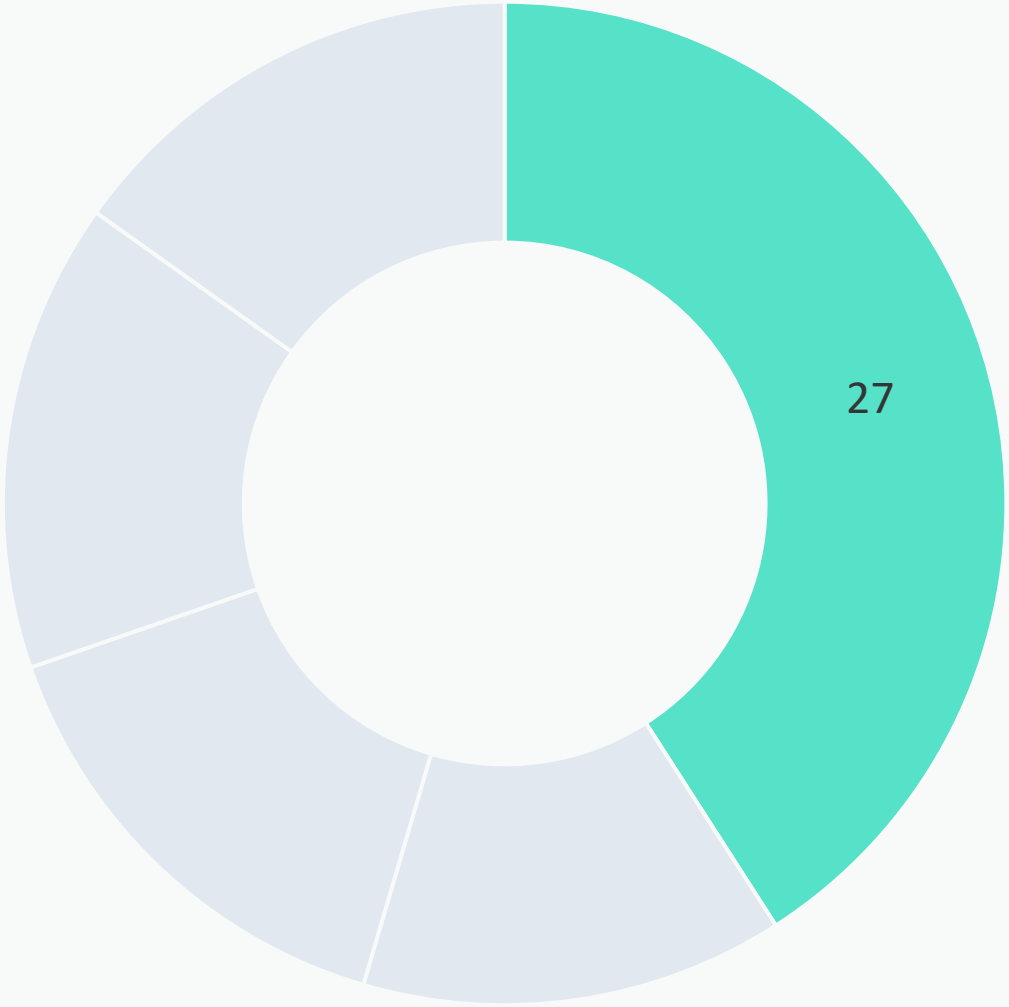


* The Scoring Committee confirmed this score on December 1, 2025

Score Breakdown

Water Quality

- **Construction Cost:** $16.7 M
- **24-Hr Capacity:** 7.11 acre-ft
- **Water Quality Cost Effectiveness:** 0.47 ac-ft/$M Construction Cost
- **Pollutant Load Reduction for Zinc (Primary Pollutant):** 33.7%
- **Pollutant Load Reduction for Trash (Secondary Pollutant):** 100%



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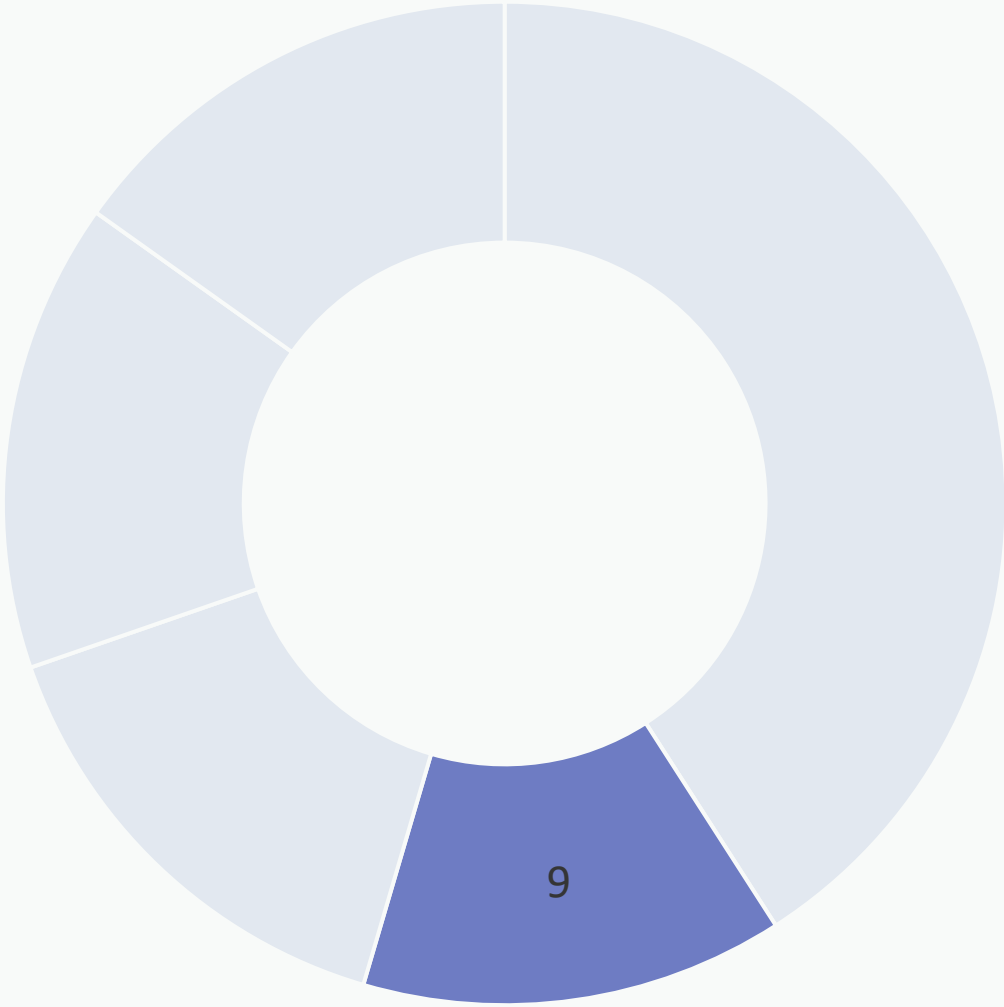
Score Breakdown

Water Supply

- **Annual Recharge:** 47 acre-ft/year
- **Annual Life Cycle Cost (assume 50 year project life span):** $965,000
- **Water Supply Cost Effectiveness (Annual Life Cycle Cost/Annual Recharge):** $20,500/acre-ft



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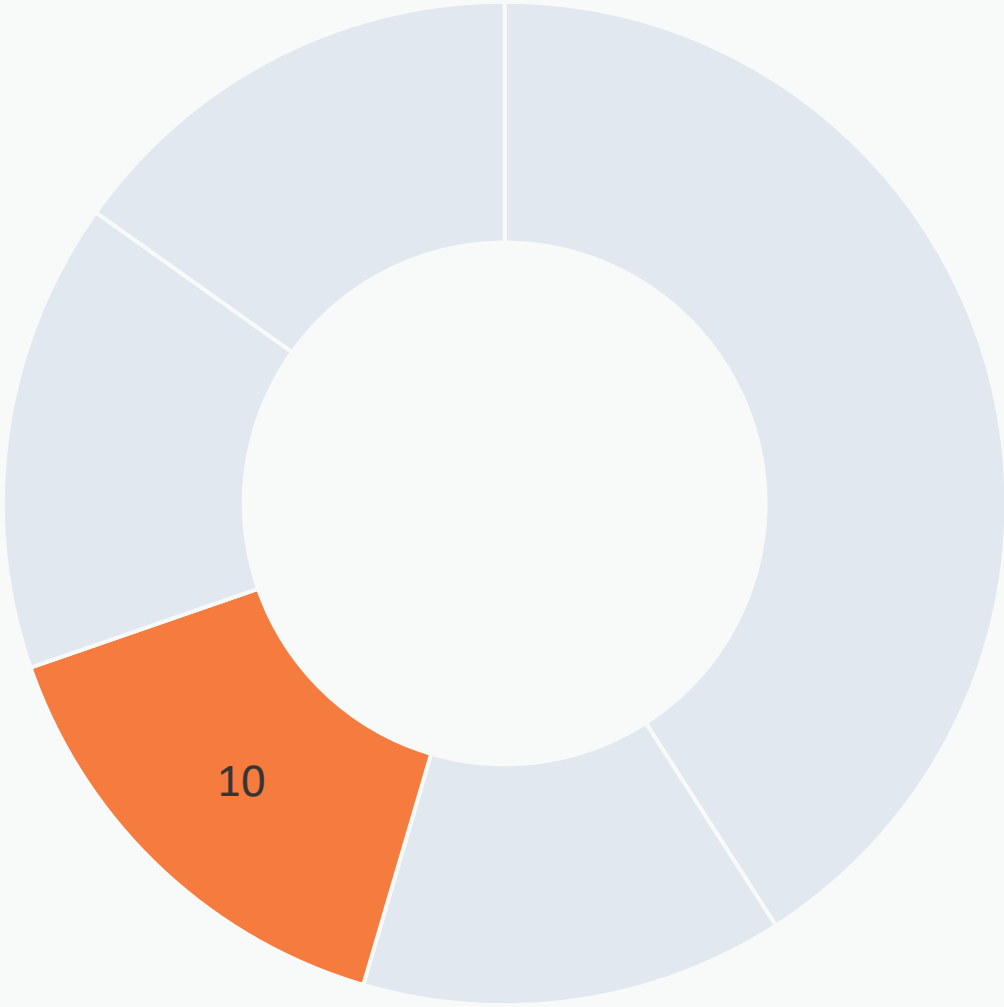
Score Breakdown

Community Investment Benefits

- **Flood Management**
  - Drywells
- **Habitat Enhancement**
  - Bioretention Planters, Vegetative Swales, Native Plants, New Trees
- **Recreational Opportunities Enhancement**
  - Active Transportation
- **School Green Space Enhancement**
- **Heat Island Effect Reduction**
- **Increase Shade/Other Vegetation**



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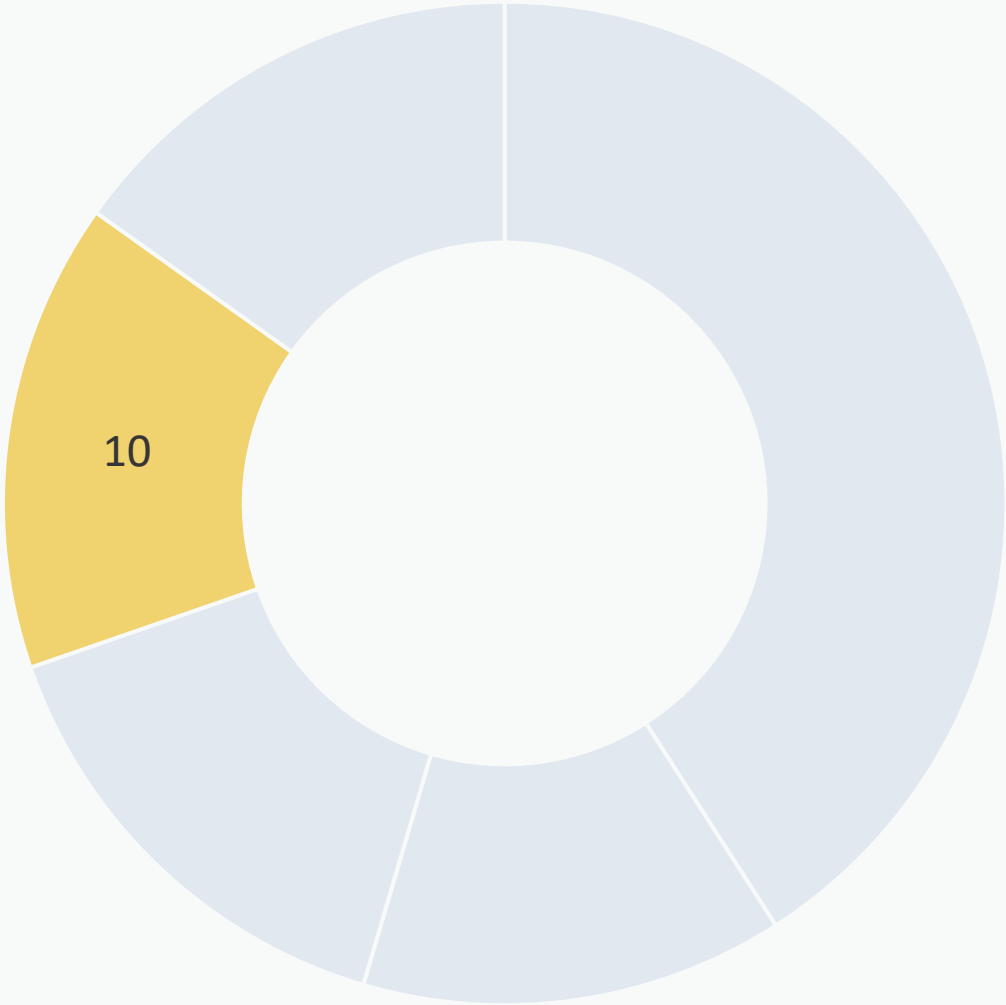
Score Breakdown

Nature-Based Solutions

- **Mimicking Natural Processes**
  - BMPs mimic natural process of water infiltration
- **Utilizes Natural Materials**
  - Native plants suitable for bioretention purposes to be implemented in proposed BMPs



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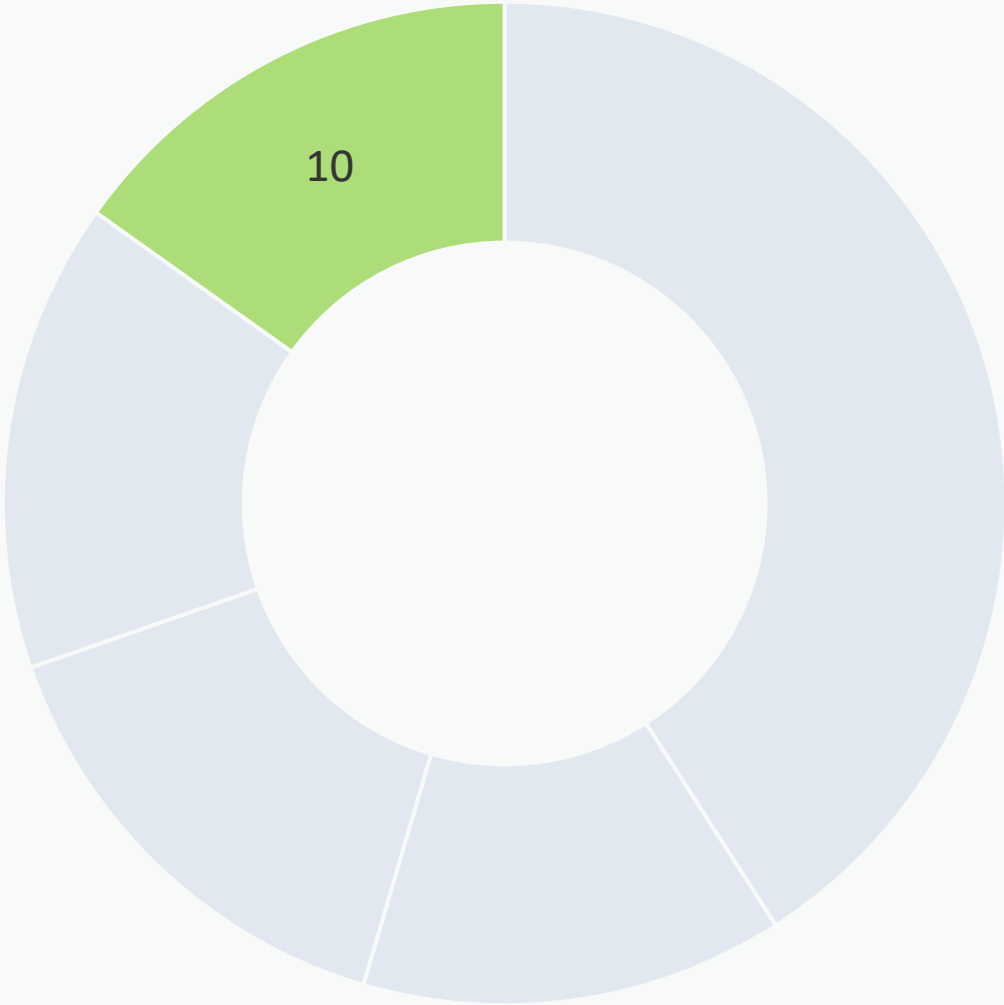
Score Breakdown

Leveraged Funds and Community Support

- **Leveraged Amount:** $1,129,000
  - Metro - $633,000 (Money Received)
  - UCLA - $121,000 (Money Received)
  - Caltrans - $375,000 (Money Committed)
- **Community Support:** City of Los Angles, Metro, Caltrans, LA Waterkeeper, Streets For All, North Westwood Neighborhood Council, etc.
- **Planned Community Outreach and Engagement**
  - *Pre-Implementation & Design Phase:* community briefings, dedicated Project website, social media, education material distribution, public forums and community meetings
  - *Implementation Phase:* regular updates with stakeholders, student engagement, construction phase outreach
  - *Post-Construction Phase:* ongoing stewardship programs with community partners



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Thank you

QUESTIONS?

Bonny Bentzin, UCLA Deputy Chief Sustainability Officer
Felipe Vazquez, Metro Principal Environmental Specialist