



INFRASTRUCTURE PROGRAM  
FISCAL YEAR 2026-2027

# Calles Verdes at Workman Street Project

UPPER LOS ANGELES RIVER WATERSHED AREA

APPLICATION TYPE:  
DESIGN-ONLY

PRESENTATION DATE:

JANUARY 7, 2026

PROJECT LEAD:

City of San Fernando

PRESENTED BY:

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



## Project Overview

The Calles Verdes at Workman Street Project includes implementing structural BMPs for capture and infiltration within the City’s right-of-way. The exact BMP placement will be determined through the design phase.

### Project Objectives:

- Capturing, pretreating, and infiltrating (or treating) wet-weather runoff to enhance water quality, mitigate flood risks, and increase water supply within a City’s sub-watershed not captured by the existing San Fernando Regional Park Infiltration Project.
- Incorporating multiple benefits, including surface improvements, public education, and nature-based solutions.

### PROJECT LEAD

City of San Fernando

### SCORING COMMITTEE SCORE

71

### PROJECT STATUS

Planning

### TOTAL FUNDING REQUESTED

\$907,200

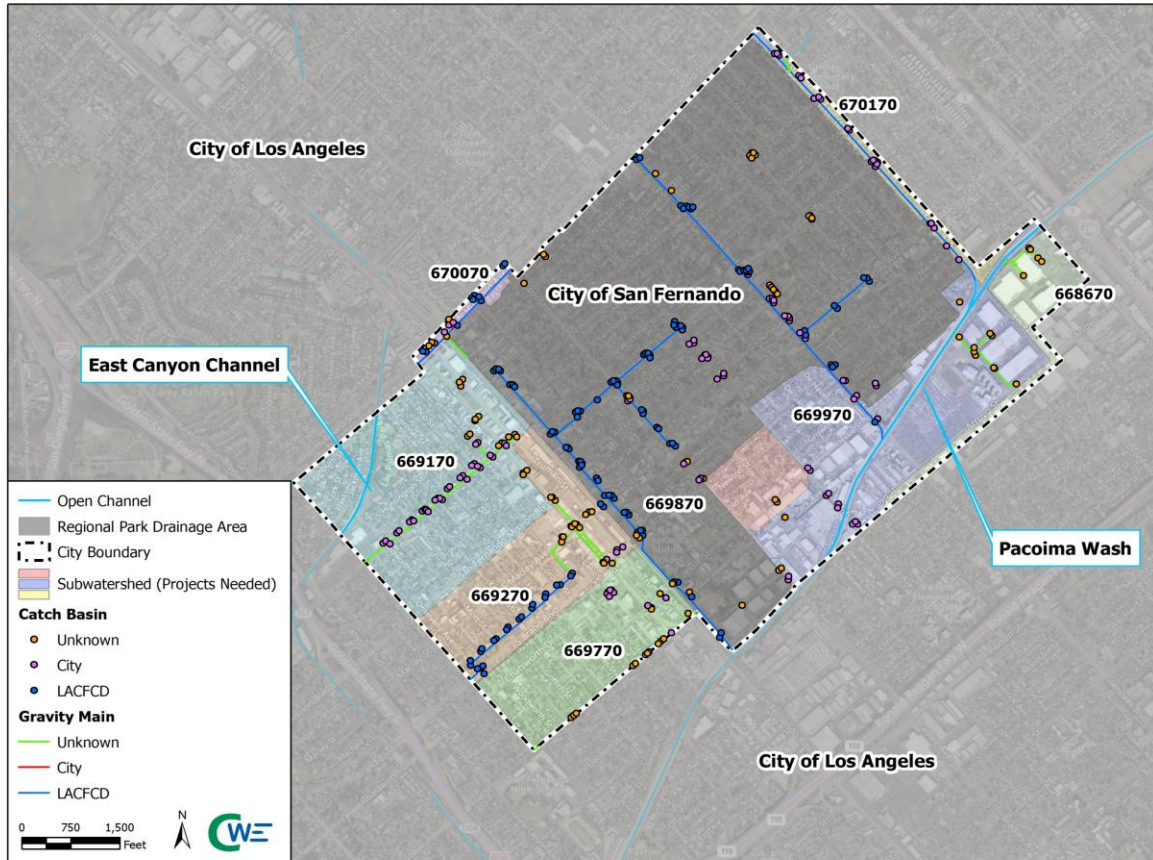
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Funding Request Phase(s): Design

Previously Awarded Technical Resources Project Concept: Yes

Previously Awarded Instructure Program Project: No

# Project Location



City Drainage Area Map

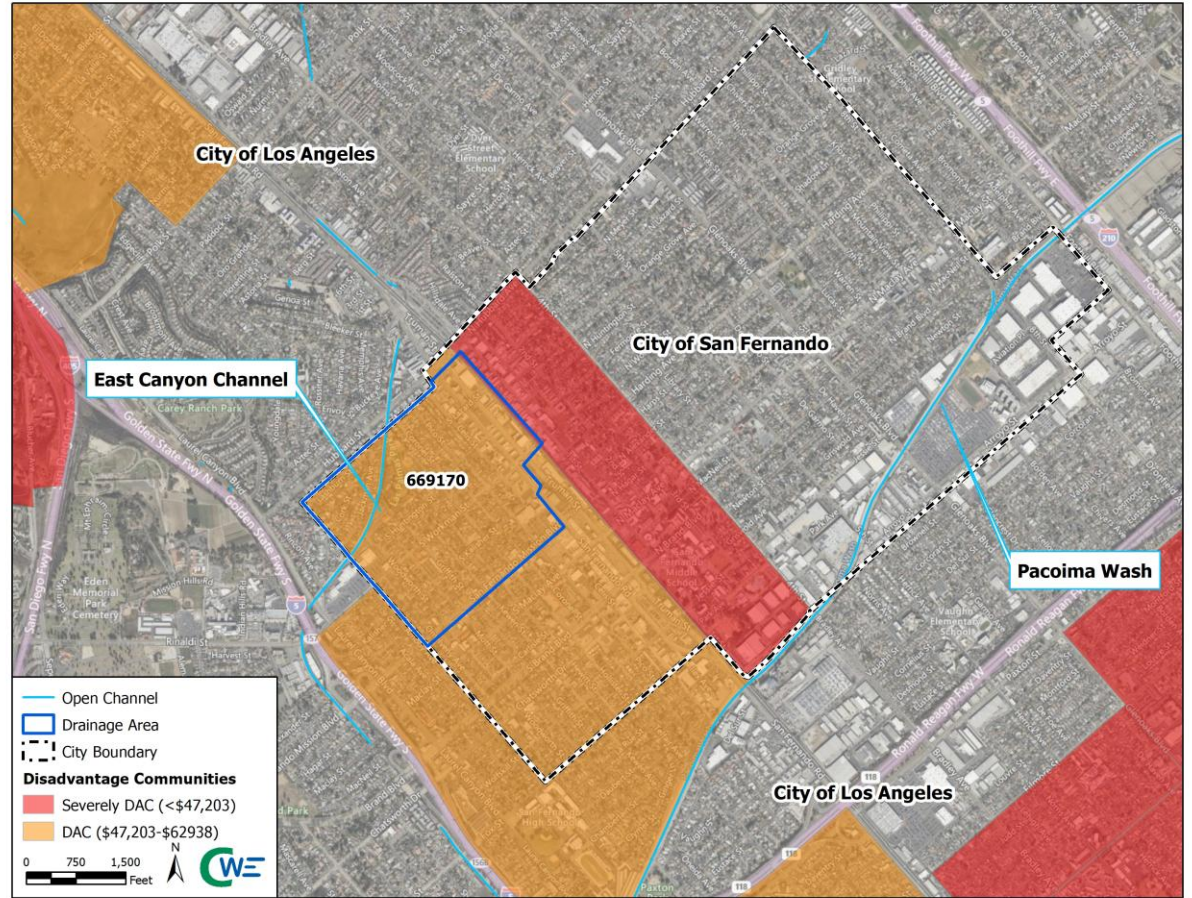


Location Map: Workman

# Project Location



Capture Area Map



DAC Map

# Project Background

## Why was the Project location selected?

- Within the City of San Fernando's highest Disadvantaged Community (DAC)
- Area with an intense risk of flooding.
- Large capture area
- Infiltration feasibility

## How was the Project developed?

Project was developed through the Technical Resource Program (TRP)

The Project area includes a site identified under the City's Drainage Deficiency Report.

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

Captures 97.6 acres

Aligns with ULAR EWMP goals for green street implementation

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

- Improves water quality and water supply
- Improves flood management – addresses local flooding
- Reduces local heat island effect
- Increases shade and number of trees
- Incorporates nature-based solutions

## Partners

Who are the Project collaborators?

City of San Fernando

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

TreePeople and Pueblo Y Salud

For non-municipality, has the Project received a letter of support or non-objection from the Municipality?

Not Applicable

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

Not Applicable

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

Not Applicable

# Project Details

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

- Project within City right-of-way on Workman Avenue from Woodworth Street to Truman Street
- Flooding on Pico Street (included in Drainage Deficiency Report as top 10 flooding locations in the City)
- The exact site locations and proposed configuration of improvements will be finalized through the design phase
- Constraints may include traffic, driveway access, and utilities

## Technical Activities Completed

- 2024 Infiltration Testing Geotechnical Report
- 2024 Hydrology Study
- Conceptual Alternatives Report
- Previous community outreach and engagement completed include:
  - Two community workshops hosted at Las Palmas Park and online/in-person community survey responses
  - Survey responses yielded 90% of residents experience negative impacts from flooding
  - Letters of support were provided by TreePeople and Pueblo Y Salud, non-government organizations who support the Project

# Project Schematic



Potential Project Layout



Potential Project Layout

## Cost and Schedule

| PHASE             | DESCRIPTION                              | COST               | COMPLETION DATE |
|-------------------|--|--------------------|-----------------|
| Planning          | Environmental Documentation & Permitting | \$302,400          | 10/01/2027      |
| Design            | Preliminary and Final Design             | \$604,800          | 10/01/2027      |
| Bid/Award         | Construction Administration              | \$907,200          | 08/01/2029      |
| Construction      | Construction                             | \$4,233,600        | 08/01/2029      |
| <b>TOTAL COST</b> |  | <b>\$6,048,000</b> |                 |

## Cost and Schedule (Continued)

| ANNUAL COSTS            |          | LIFE-CYCLE COSTS           |                |
|-------------------------|----------|----------------------------|----------------|
| Annual Maintenance Cost | \$97,000 | Project Life Span          | 50 Years       |
| Annual Operation Cost   |          | Total Life-Cycle Cost      | \$8,735,316.88 |
| Monitoring Costs        | \$15,000 | Annualized Life-Cycle Cost | \$364,064.06   |

\*The Annual Maintenance, Annual Operation, and Annual Monitoring costs and costs in the table above are based on the feasibility study and will be updated as part of the Design Phase as the proposed improvements are finalized.

## Cost Share

- No cost share has been secured at this time nor are other funding sources being used for this Project
- The City of San Fernando are proactively identifying and applying to available grant funding opportunities to close the funding gap for the construction of the Project

# Funding Request

| YEAR (FISCAL YEAR) | SCW FUNDING REQUEST | PHASE    | EFFORTS DURING PHASE AND YEAR |
|--------------------|---------------------|----------|-------------------------------|
| 1 (FY26-27)        | \$120,960           | Planning | Environmental Documentation   |
|                    | \$302,400           | Design   | Design                        |
| 2 (FY27-28)        | \$181,440           | Planning | Environmental Documentation   |
|                    | \$302,400           | Design   | Design                        |
| <b>TOTAL</b>       | <b>\$907,200</b>    |          |                               |

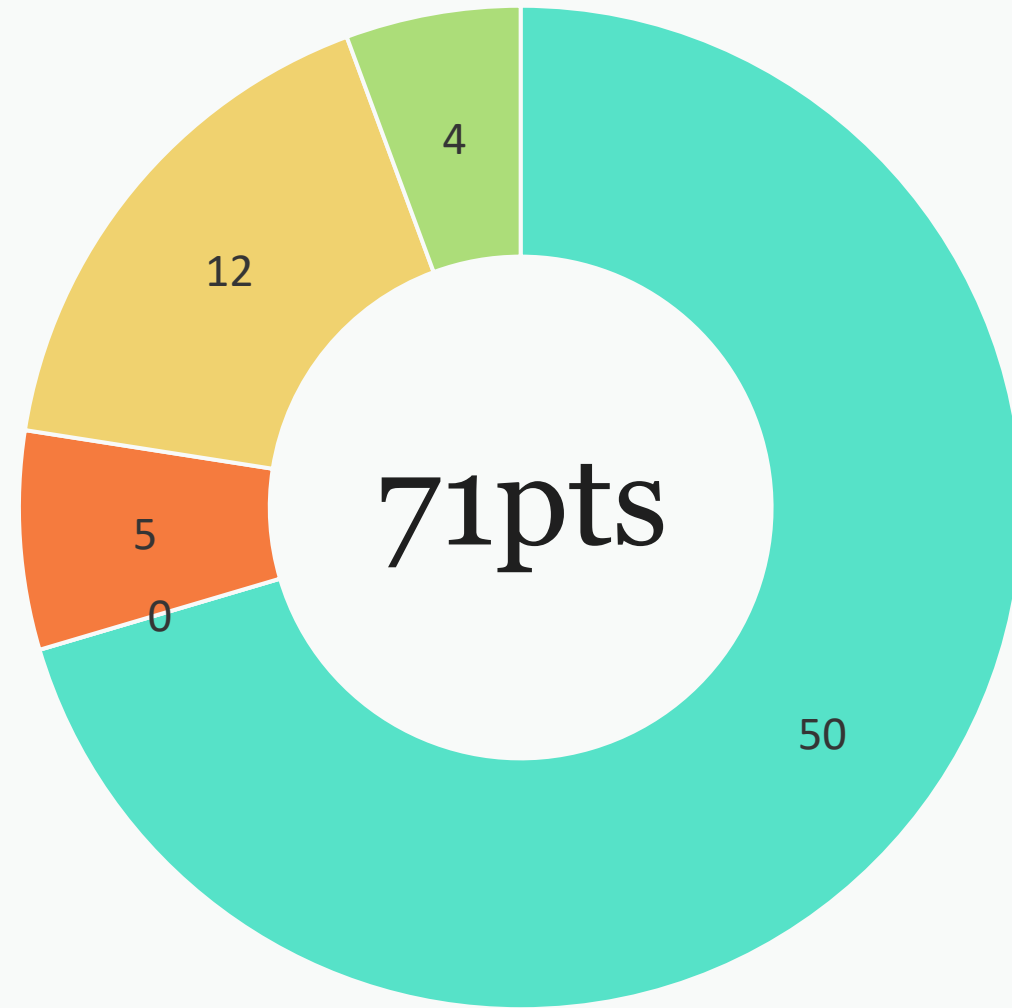
- **Potential Future SCW Funding Request:** Yes (tentatively after design is complete), Approximately \$5,140,800

## Metrics & Measures

|  | PROJECT BENEFIT METRICS   | METRIC  |
|--|---|---|
| <b>Improve Water Quality</b>           | Zinc load reduction (lbs/year)  | 29 lbs/yr   |
|  | Total Phosphorous load reduction (lbs/year)                               | 46 lbs/yr   |
| <b>Increase Drought Preparedness</b>   | Increase Local Water Supply through Stormwater Capture (ac-ft/year)       | 47.076 ac-ft/year<br>(7.53 with net countable supply ratio) |
|  | Increase local supply through groundwater recharge and storage (ac-ft/yr) | 47.076 ac-ft/year<br>(7.53 with net countable supply ratio) |
| <b>Improve Public Health</b>           | Net area of park and green space created (acres)                          | 0 ac  |
|  | Net area of green space at schools created (acres)                        | 0 ac  |
|  | Net area of park enhanced or restored (acres)                             | 0 ac  |
|  | Net area of canopy, cooling, and shading surfaces (acres)                 | Pending design  |
|  | Net new trees planted   | Pending design  |
| <b>Deliver Multi-Benefit Projects</b>  | Net area of habitat created, enhanced, restored, protected (acres)        | 0 ac  |
| <b>Promote Green Jobs &amp; Career</b> | Annual Full Time Equivalent Jobs Created                                  | 25.59 count   |

# 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

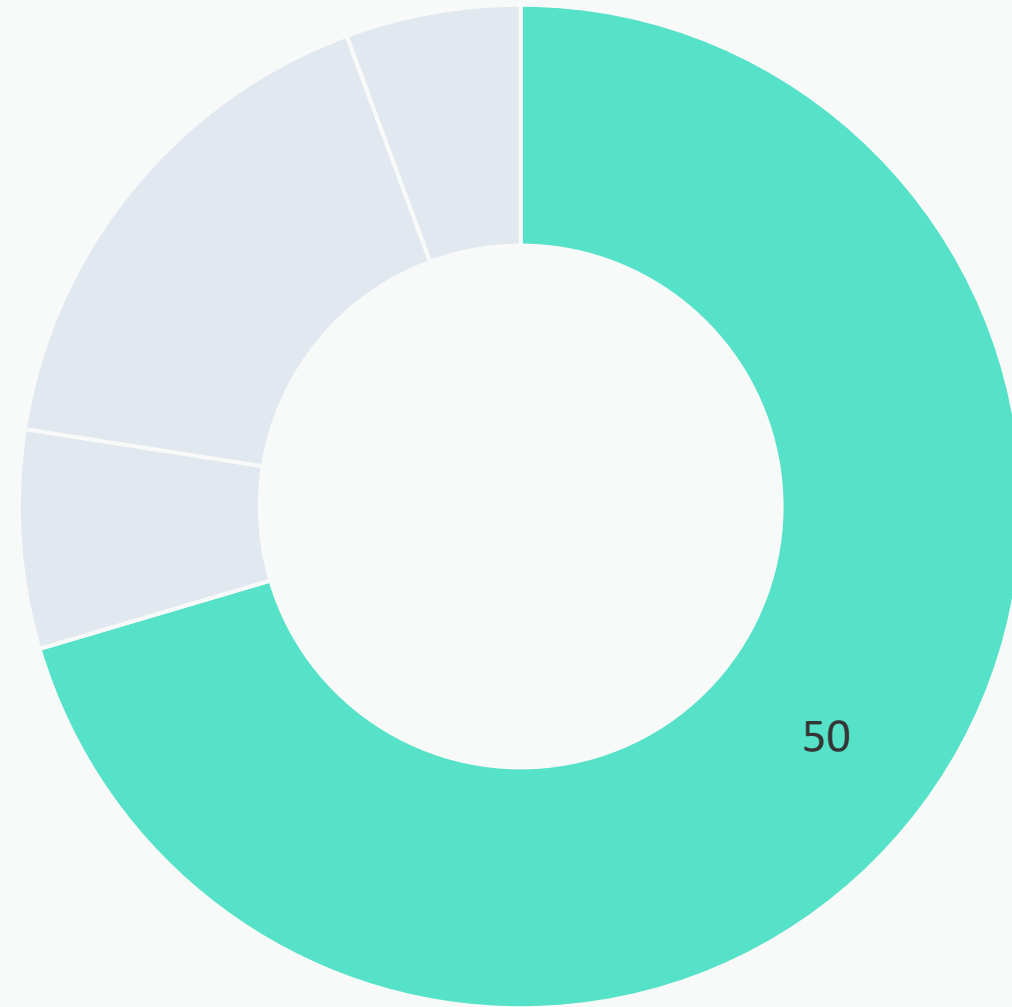
# Score Breakdown



## Water Quality

Capture, treat, and infiltrate wet-weather flows within the City's sub-watershed not captured by the existing San Fernando Regional Park Infiltration Project.

- Tributary Area is approximately 97.6 acres (anticipate sizing based on the 85th Percentile, 24-hour storm event).
- Volume capacity for the system is expected to be approximately 0.38 ac-ft (will be confirmed during the design phase).
- Pollutant Reduction is for wet-weather TMDLs (lead and bacteria).
- Selected original for Water Quality and Water Supply scoring



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

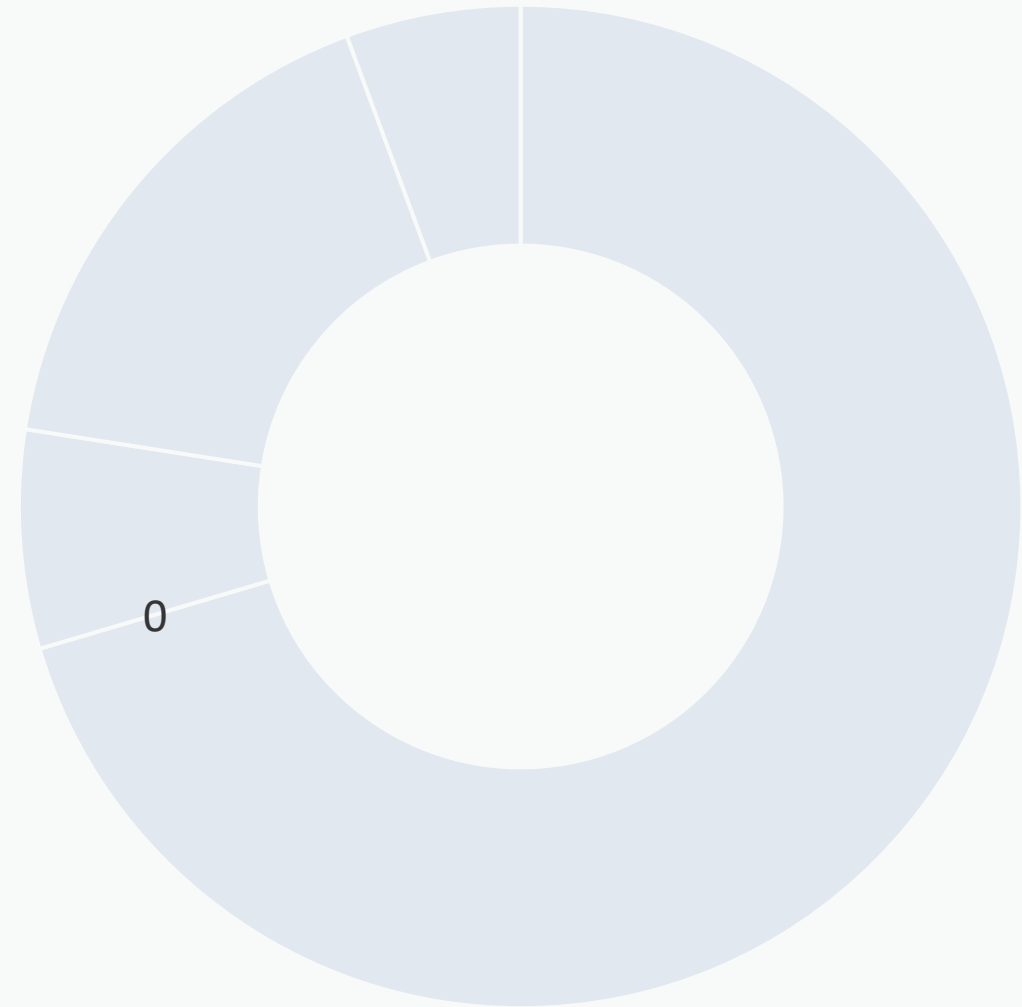
# Score Breakdown



## Water Supply

Annual Water Supply Volume is approximately 47.08 ac-ft and will be finalized in the design phase.

- The Project is tributary to Pacoima Wash Spreading Grounds.
  - The modeled average annual runoff capture is approximately 47.08 ac-ft. The net countable supply ratio for Pacoima Wash is 16%. The appropriate Net countable supply ratios % (reduction) for ULAR WA is approximately 7.53 acre-feet.
- Water Quality Cost Effectiveness is approximately 1.07 based on the following equation: the 24-hour BMP capacity of 5.23 acre-ft divided by the Construction Cost of \$5,140,800.
- The Water Supply Cost Effectiveness is approximately \$7,734 per acre-feet.
- Selected original for Water Quality and Water Supply scoring



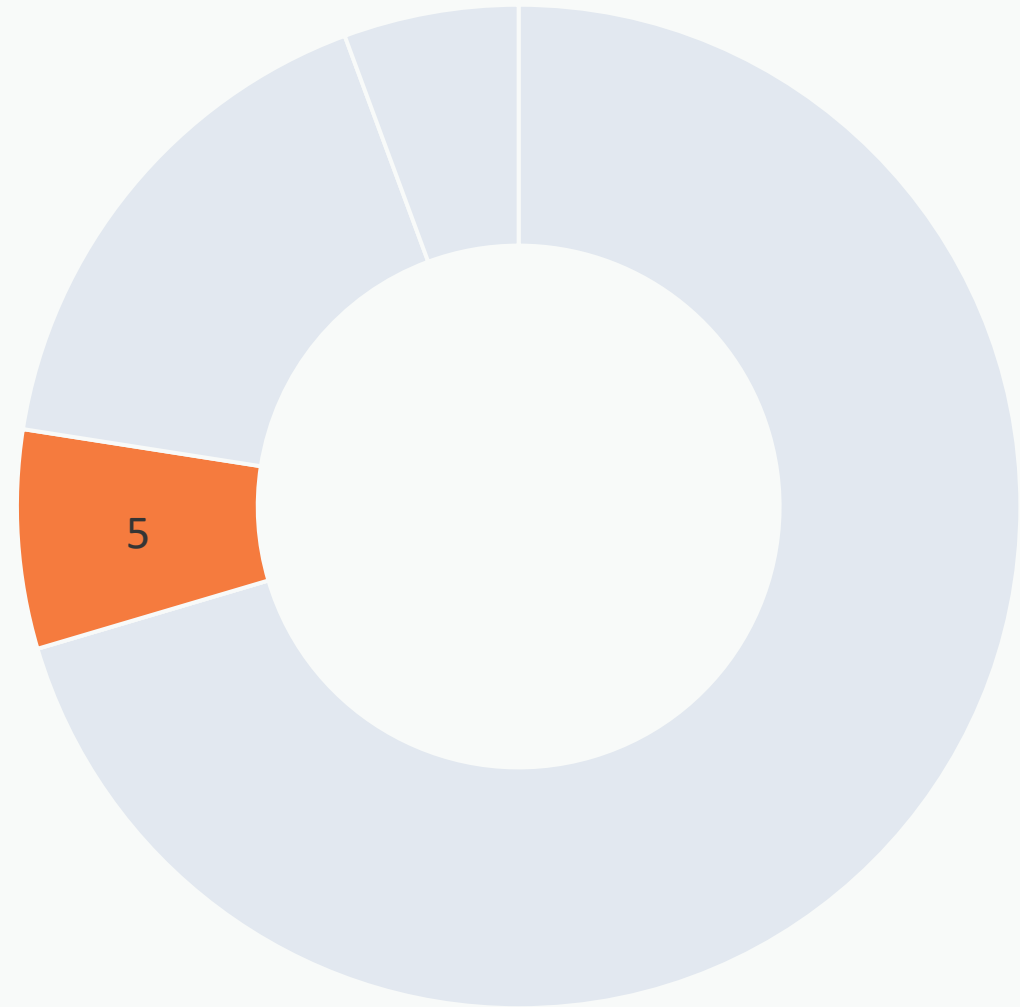
\* The Scoring Committee confirmed this score on December 15, 2025

# Score Breakdown



## Community Investment Benefits

- Improves flood management and flood risk mitigation by capturing flows in areas known for flooding.
- Community survey results that 90% of residents are negatively impacted by the flooding.
- Enhances and restores public right-of-way open space by implementing green street structural practices.
- Reduces heat local island effect and increases shade by implementing new climate-appropriate trees/vegetation and replacing 55% of impermeable pavement with permeable surfaces.
- Increase the number of trees, shade, and other vegetation at the site.



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

# Score Breakdown

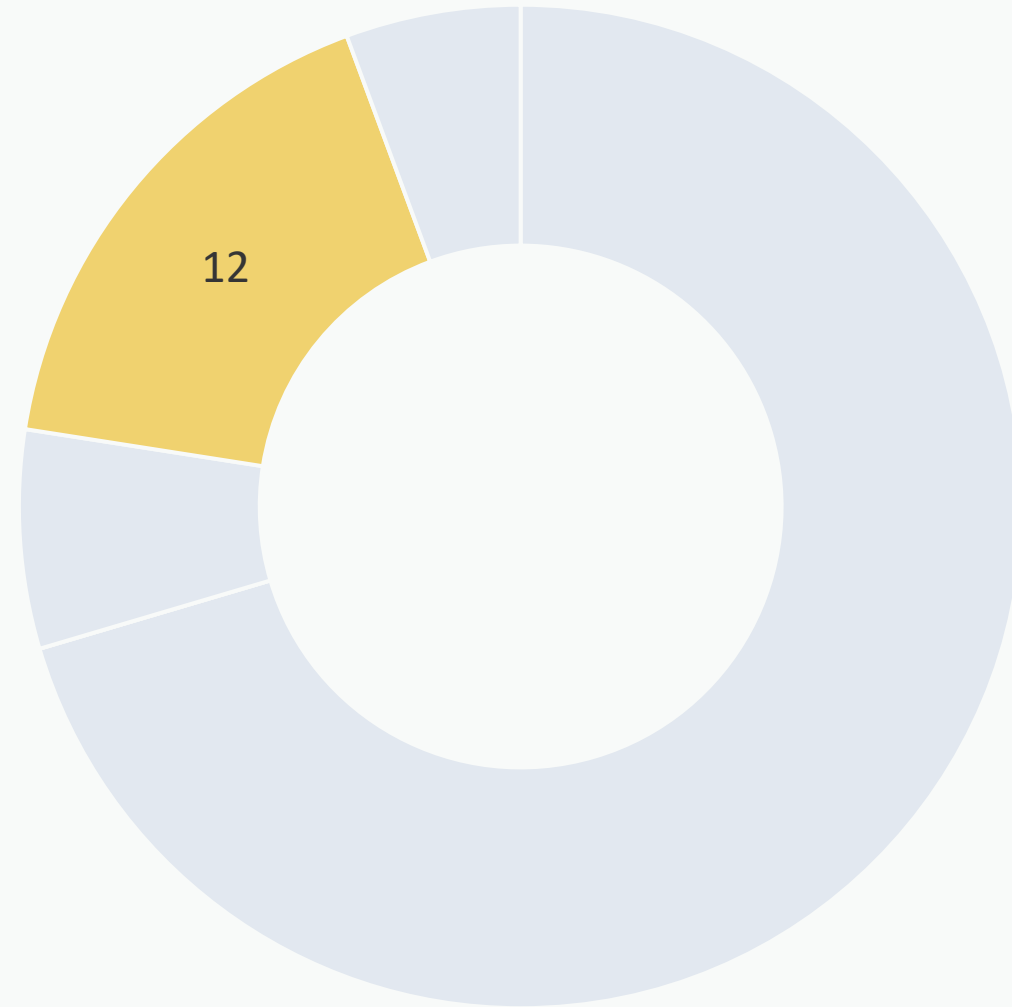


## Nature-Based Solutions

Project mimics natural processes by allowing runoff to infiltrate into the ground through drywells, bioretention boxes (Filterra or similar), and pervious concrete (permeable surfaces), 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 10% of the total Project area cover.
- 16,000 square feet of existing pavement (impermeable area) is anticipated to be replaced with pervious concrete (permeable surface), and the configuration will be finalized during the Design Phase.



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

# Score Breakdown



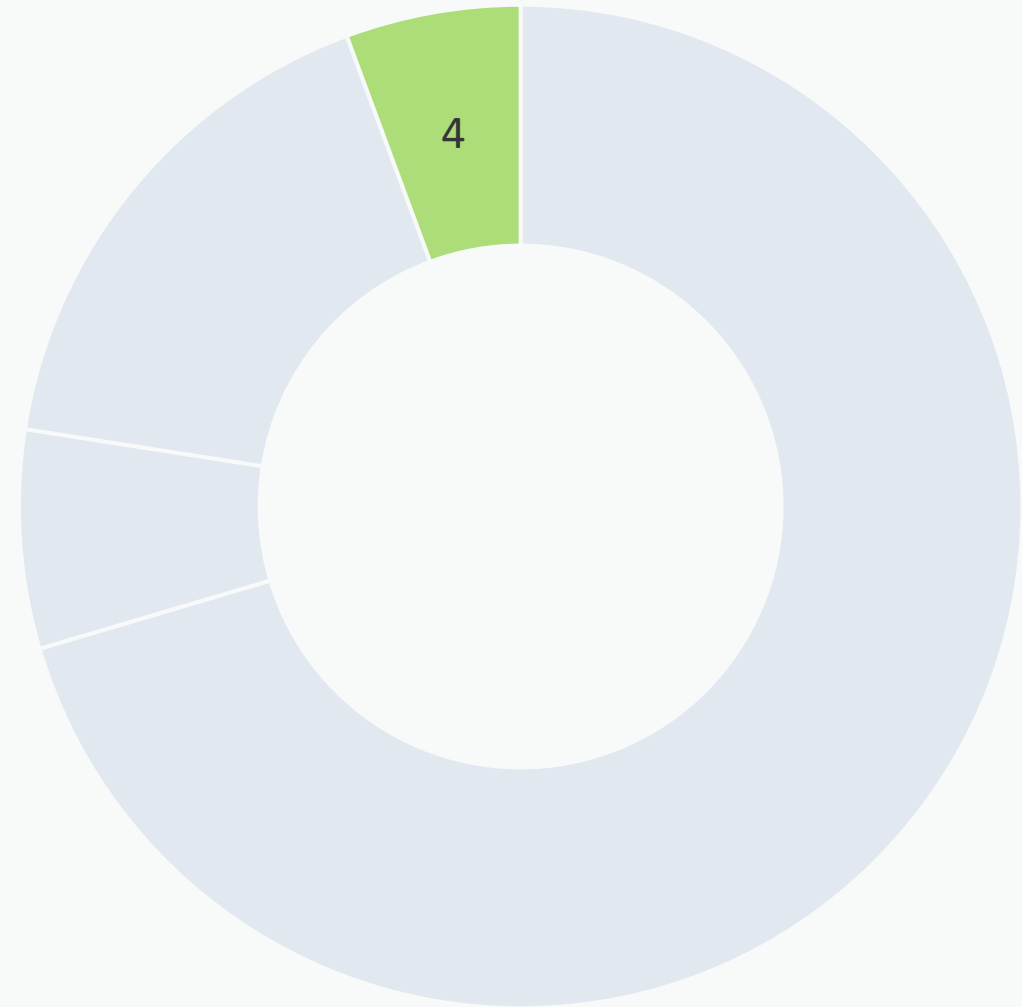
## Leveraged Funds and Community Support

### Leveraged Funds

- No cost share has been secured at this time nor are other funding sources being used for this Project.
- The City of San Fernando are proactively identifying and applying to available grant funding opportunities to close the funding gap for the construction of the Project.

### Community Support

- The City conducted various outreach activities to receive feedback (two community workshops, online and in-person surveys).
- Letters of support were obtained from TreePeople and Pueblo Y Salud who support the Project.
- Community outreach and engagement is planned for future phases of the project (e.g. community meetings, online posts, flyers, etc.).



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

# Thank you

QUESTIONS?

Katie Harrel, PE, ENV SP, QSD  
Engineering Manager at CWE