SAFE CLEAN WATER PROGRAM

INFRASTRUCTURE PROGRAM
FISCAL YEAR 2026-2027

Syd Kronenthal Park Stormwater Capture Project

CENTRAL SANTA MONICA BAY WATERSHED AREA

APPLICATION TYPE:
DESIGN-ONLY

PRESENTATION DATE:
JANUARY 6, 2026

PROJECT LEAD:

Javier De La Cruz, Culver City

PRESENTER:

Dave Mercier, Michael Baker Intl.

Project Overview

Project Description: Sustainable stormwater capture project augmenting water supply with irrigation and water reclamation while providing park enhancements

Project Objectives:

- ***Water quality improvement** for Ballona Creek through neighborhood and regional capture of wet and dry weather flows*
- ***Augment water supply** by using captured runoff for onsite irrigation and through recycling by diversion to sewer or infiltration,*
- ***Park enhancements** to improve user experience for the communities surrounding the park.*

PROJECT LEAD

Culver City

SCORING COMMITTEE SCORE

75

PROJECT STATUS

10% Design

TOTAL FUNDING REQUESTED

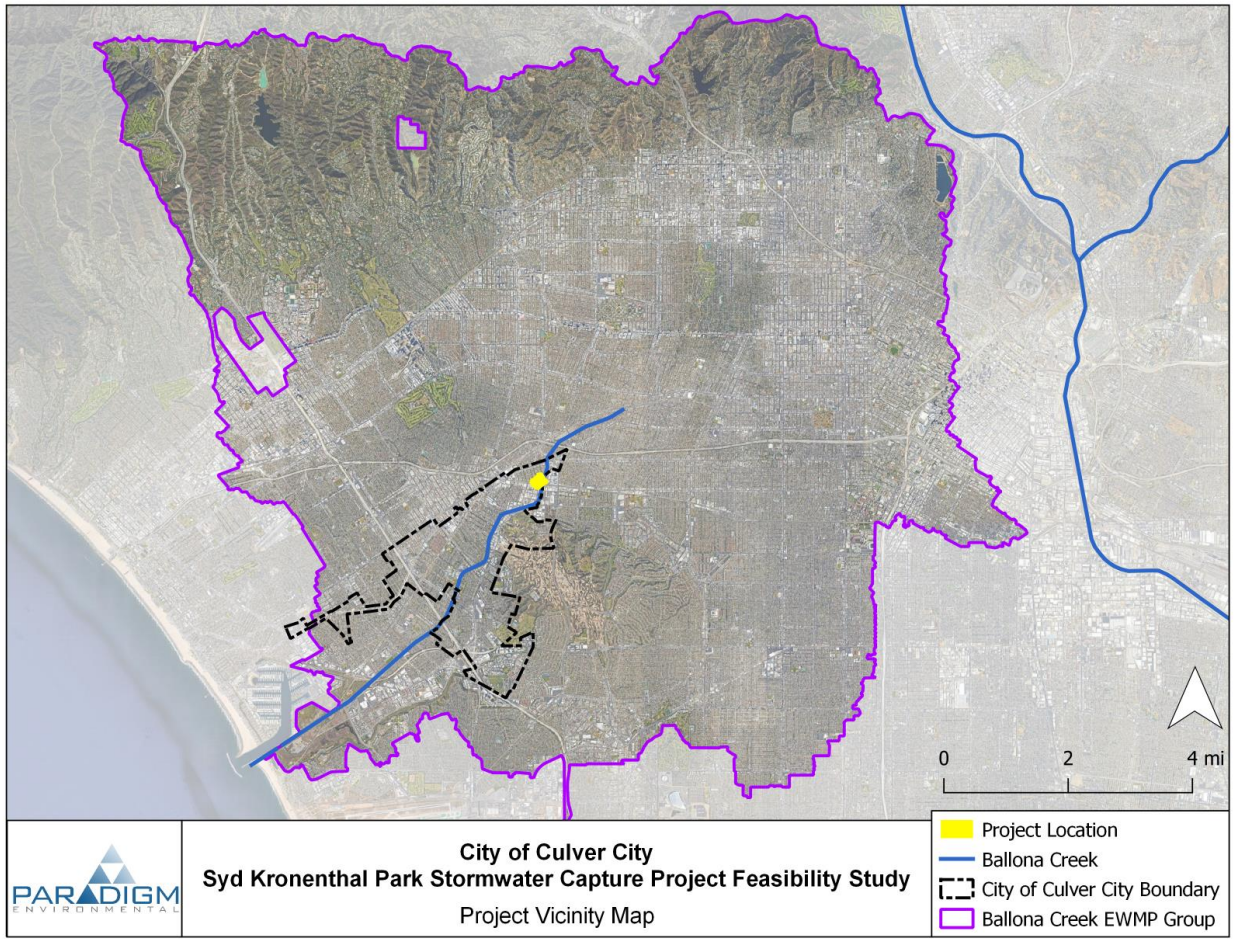
$730,000

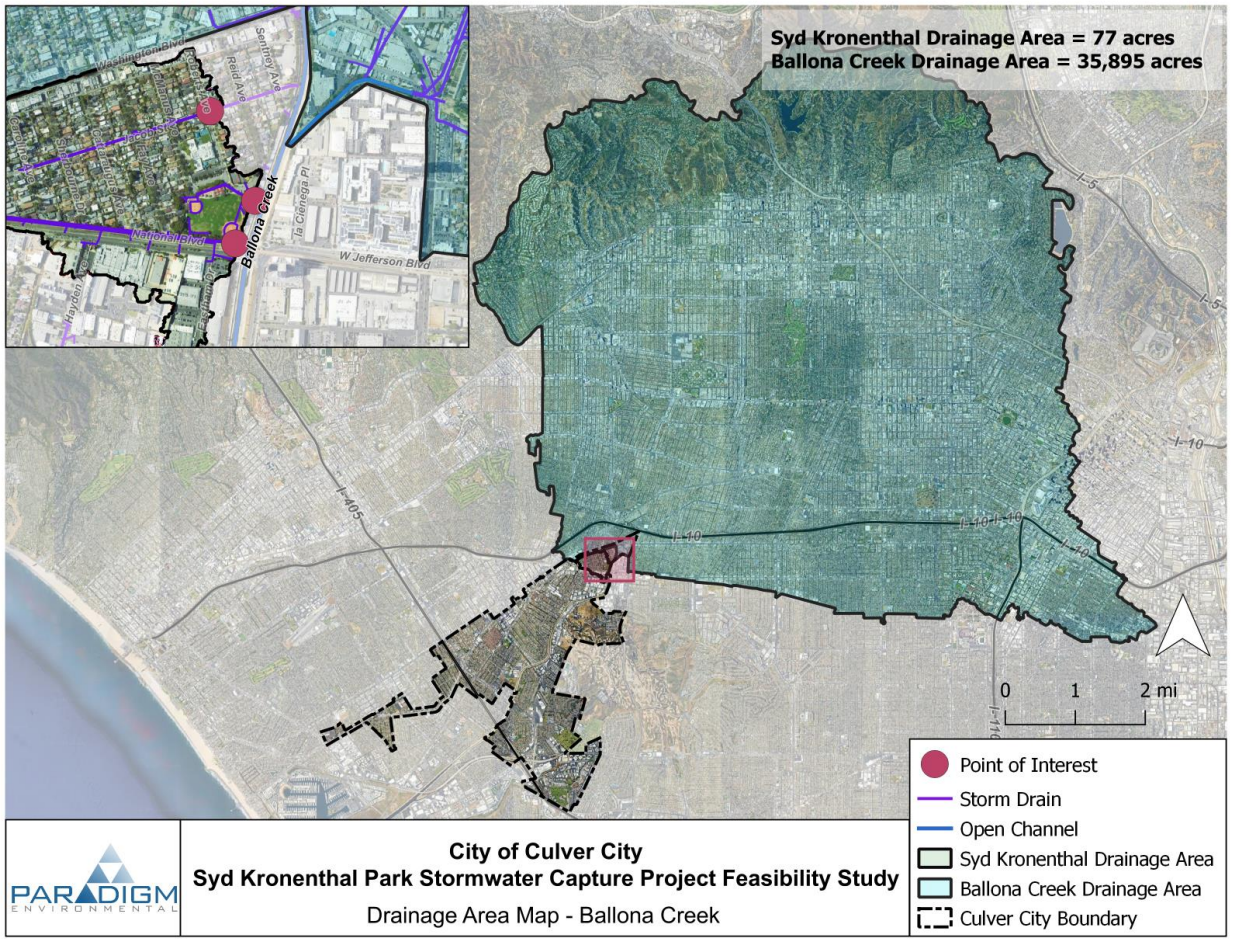
Funding Request Phase(s): Design

Previously Awarded Technical Resources Project Concept: Yes

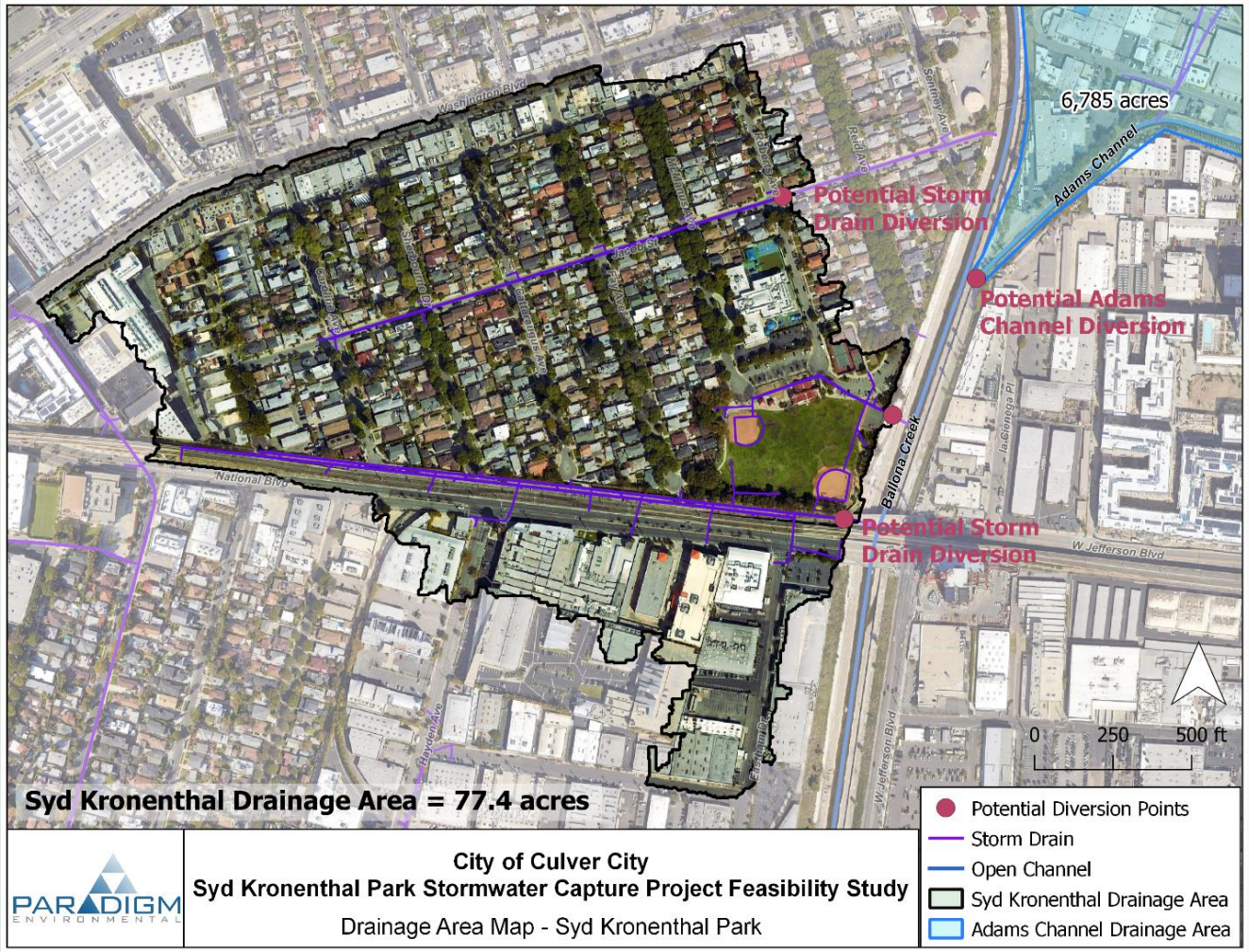
Previously Awarded Instructure Program Project: No

Project Location



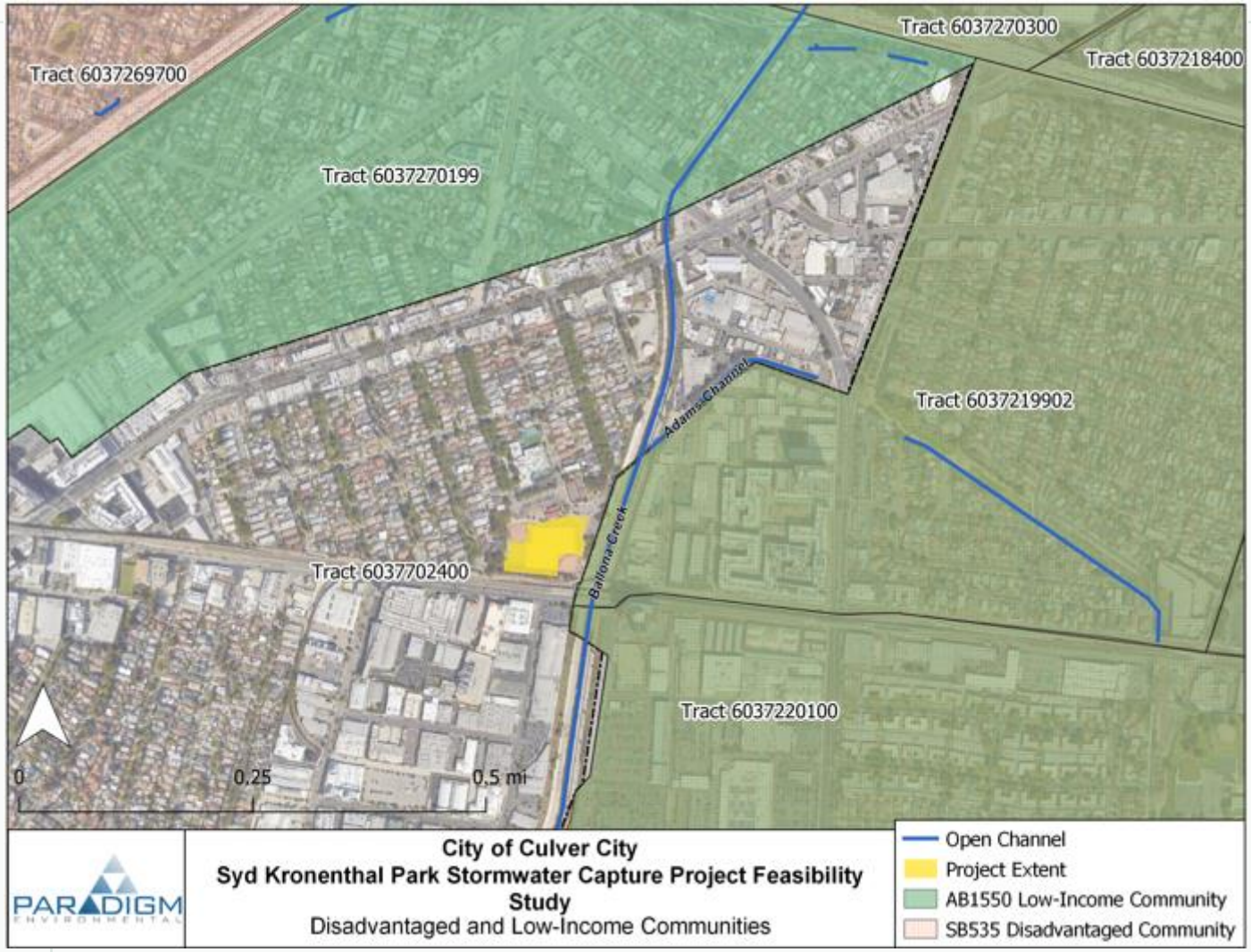


Project Location – Capture Area



- 3 Storm Capture Locations
  - Ballona Creek
    - Drop inlet diversion to provide partial wet-weather capture (3.63 cfs) plus dry weather capture
  - National Blvd
  - Jacob St

Project Location – DAC Benefits



- Adjacent to Disadvantaged Community (as defined by AB1550)
- Project is located across Ballona Creek from a DAC
- Walking distance is less than 0.25 miles and is easily accessible by foot
- Park enhancements include park beautification, new renovated ballfields and facilities, and water stations adjacent to the Ballona Creek Bike Path

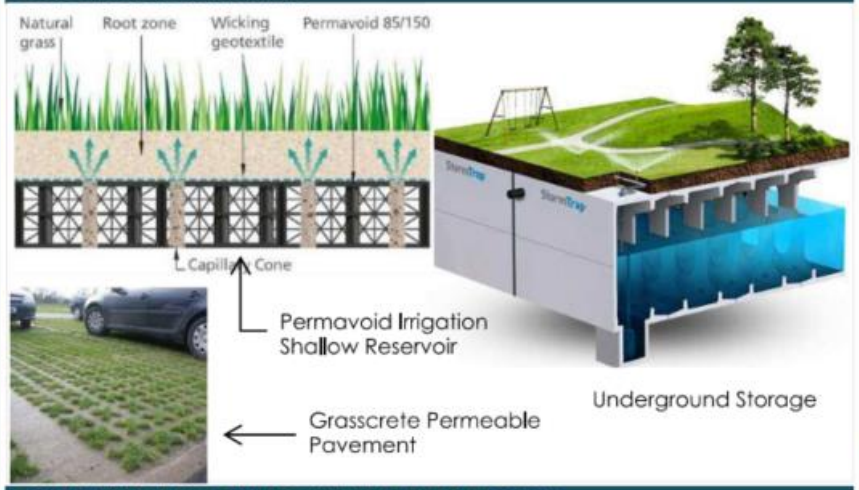
Project Background

- Highest scoring project in the 2021 Culver City Stormwater Quality Plan (SWQMP)
- Included in revised Watershed Management Program for the Ballona Creek Watershed

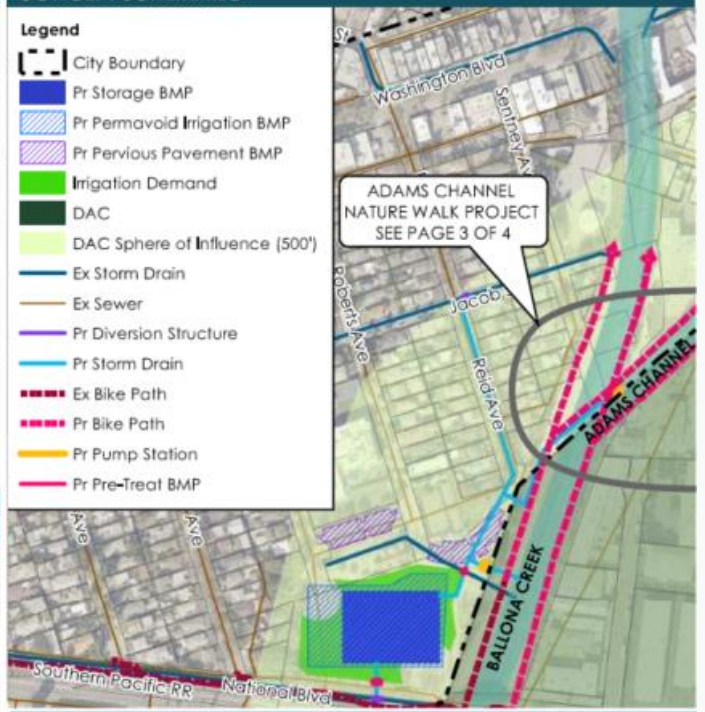
Project Development

- Storage gallery sized to capture local wet-weather flows plus regional runoff
- Initial geotechnical evaluation and infiltration tests indicate soils and infiltration rates are highly variable – shift to sewer diversion for concept
- Park was considered to be over a confined aquifer – shifting understanding and further investigation now planned
- Onsite use of captured runoff for irrigation
- Improve value to the community
  - Connection to Ballona Creek Bike Path

CONCEPT DESIGN EXAMPLES



CONCEPT SCHEMATIC



COST ESTIMATE FOR SYD KRONENTHAL PARK PROJECT

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Excavation Removal	21,907	CY	$50	$
Diversion Structure 0-10 cfs	2	LS	$30,000	$60,000.00
Pre-Treatment 5-10 cfs	2	LS	$20,000	$40,000.00
SD Pipe (24" RCP)	1,000	LF	$200	$200,000.00
Field Permavoid	85,930	SF	$20	$1,718,600
Parking Lot Permavoid	22,798	SF	$20	$455,960
Parking Lot Grasscrete	23,000	SF	$15	$345,000
Infiltration Structure, >10ft Cover(0-5 acft)	259,970	CF	$12.50	$3,249,625
Restoration (park)	94,5631	SF	$3	$283,593
Adams Channel Nature Walk	1	LS	$TBD	$–
Adams Channel or Ballona Creek Pump Station	1	LS	$1,500,000	$1,500,000
			CONSTRUCTION TOTAL	$8,948,128
Mobilization (25% construction)				$2,237,032
Contingency (25% construction)				$2,237,032
Design (10%)				$894,813
			TOTAL COST	$14,317,005
			COST PER VOLUME MITIGATED ($/ACFT)	$1,477,077

PROJECT CHARACTERISTICS

Stormwater BMP	Harvest & Use / Infiltration
Footprint (acres)	1.7
Max Design Height (ft)	6.5
Depth of Excavation (ft)	18
Depth to Groundwater (ft)	28
Pump Requirements	TBD
Design Storage Volume + 24 hr Infiltration (ac-ft)	7.6
Estimated Water Use / Capture Volume (ac-ft)	3.0 / 2.1
Total 24-hr Wet Weather Treatment Volume (ac-ft)	9.7
EWMP Equivalent Volume (ac-ft)	1.8

*Disclaimer: All elements of this conceptual design are planning-level, based on desktop analysis. All assumptions are parameters must be re-evaluated during the detailed design process. Cost estimates are based on available data. Actual costs will vary.

Culver City Stormwater Quality Master Plan
Preliminary Concept Project: Syd Kronenthal Park

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Project Background

Regional Benefits to the Watershed Area

- Capture stormwater otherwise lost to the ocean at a downstream location in Ballona Creek watershed
- Increase to water supply through offset irrigation demand at the park and either water recycling or aquifer recharge
- Improved park facility near a transit station
- Valuable partnership with Caltrans as a funding partner
- Increase in potential grant funding opportunities through a link to the Ballona Creek Bike Path project

Partners

- Project Collaborators:
  - Parks and Recreation
  - Caltrans
- The City of Culver City will be responsible for maintenance
- Coordination with **LASAN** on operation of this Syd K project with downstream dry weather collection confirmed this project will not impact performance
- Concurrence provided by **LASAN** for discharge of captured stormwater to local collection system
- **LACFCD** has been engaged on the concept, they reviewed the proposed project and provided conceptual approval in 2025
- Outreach
  - Local users engaged including Echo Horizon School, 1st Class Pre-School, Major League Softball, American Youth Soccer Organization, and Culver City Little Legue
  - Public engagement through Parks Plan where Syd K improvements are a keystone element

Figure 40. Meeting with comm

Project Details

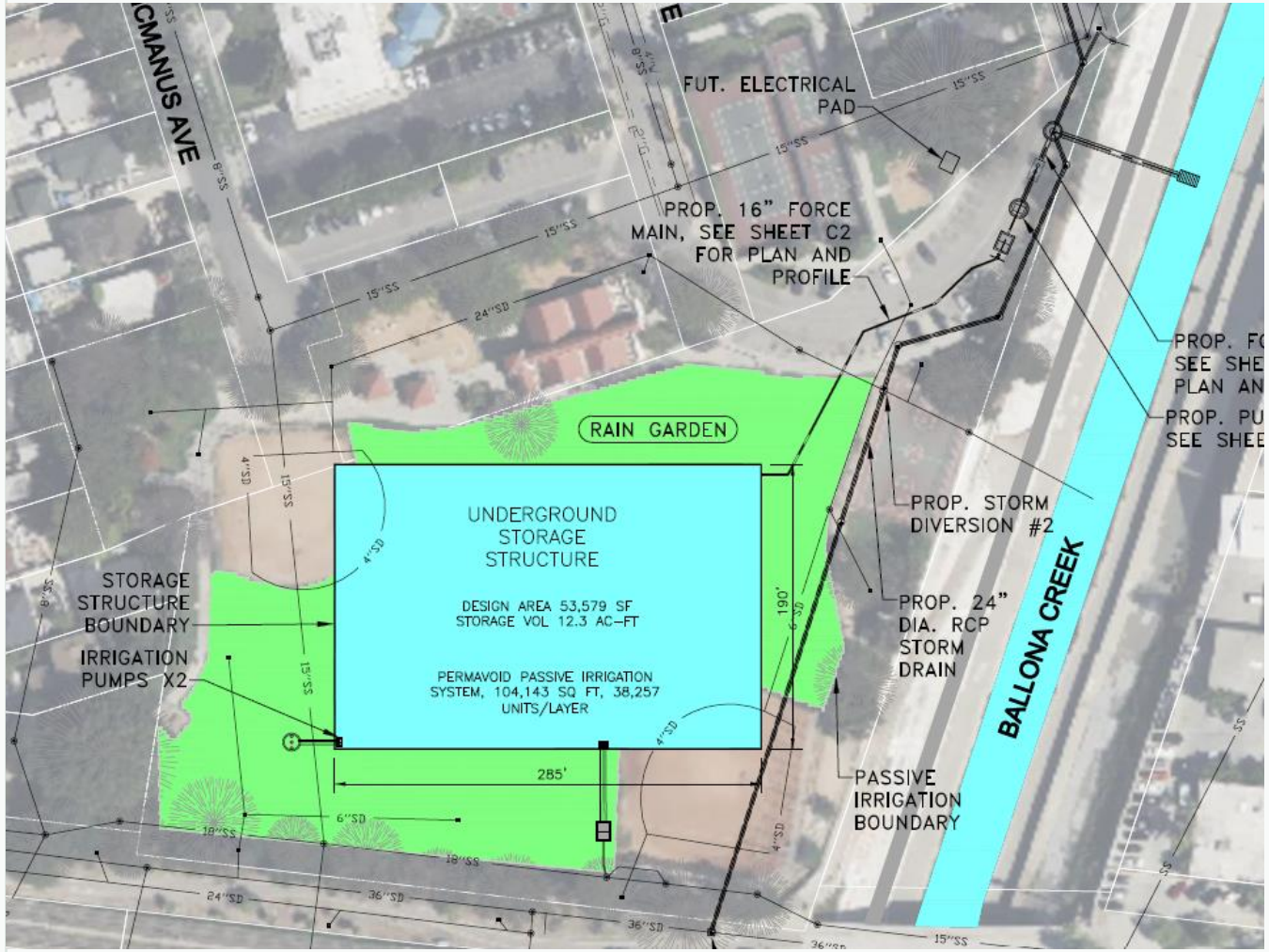
Current Conditions

- The Syd Kronenthal Park project will span two parcels:
  - Culver City – Majority of planned improvements, including at existing park
  - LA County Flood Control District – Proposed diversion structure from Ballona Creek channel
    - Conceptual approval provided

Technical Activities Completed

- Geotechnical Evaluation Report (2022) includes analysis, subsurface exploration, and percolation testing
- Hydrology Report (2024) outlines desktop and field analysis used to develop WMMS2 hydrologic model
- Site Visit and Utilities Survey Summary (2022) contains maps of the utilities identified within the Project vicinity
- Conceptual Approval Agreement (2025) from LACFCD
- The City has a contract in place to support environmental and regulatory approvals
- Coordination with vector control will be completed during design

Project Schematic



- 3 runoff diversion locations
- 12.3 ac-ft of underground storage
- Permavoid irrigation system offsets potable water use for turf grass at the park
- Captured stormwater is delivered to wastewater reclamation plant
- Rain garden for ongoing outreach and education
- Walking path, community garden, bike path water station, and other amenities highlighted by the community

Cost and Schedule

PHASE	DESCRIPTION	COST	COMPLETION DATE
Planning	Stakeholder Outreach, Environmental Planning and Permitting	$1,327,832	12/01/2026
Design	Preliminary Design, Design, Construction Engineering, Stakeholder Outreach, and Agency Project Management	$1,460,379	07/01/2027
Construction	Materials, Labor, Traffic Control, Mobilization, Construction Management, 30% Contingency	$26,519,369	12/02/2030
Monitoring	Monitoring for 3 years or first 10 storm events	$120,000	12/02/2033
TOTAL COST		**$29,427,580**	

Cost and Schedule (Continued)

ANNUAL COSTS	
Annual Maintenance Cost	$49,400
Annual Operation Cost	$0
Monitoring Costs	$0

LIFE-CYCLE COSTS	
Project Life Span	50 Years
Total Life-Cycle Cost	$30,612,879
Annualized Life-Cycle Cost	$1,275,861

Cost Share

TYPE OF COST SHARE	FUNDING AMOUNT	PHASE	COST SHARE STATUS	BRIEF DESCRIPTION
Municipal Funds	$730,379	Design	Commitment Received	The City will use its municipal funds to provide cost share for the Design phase of the Project

- Total Cost Share: $730,379
- Leveraged Funding Percentage: 50%

Funding Request

YEAR (FISCAL YEAR)	SCW FUNDING REQUEST	PHASE	EFFORTS DURING PHASE AND YEAR
1 (FY26-27)	$730,000	Design	Preliminary Design, Design, and Construction Engineering
2 (FY27-28)			
3 (FY28-29)			
4 (FY29-30)			
5 (FY30-31)			
TOTAL	**$730,000**		

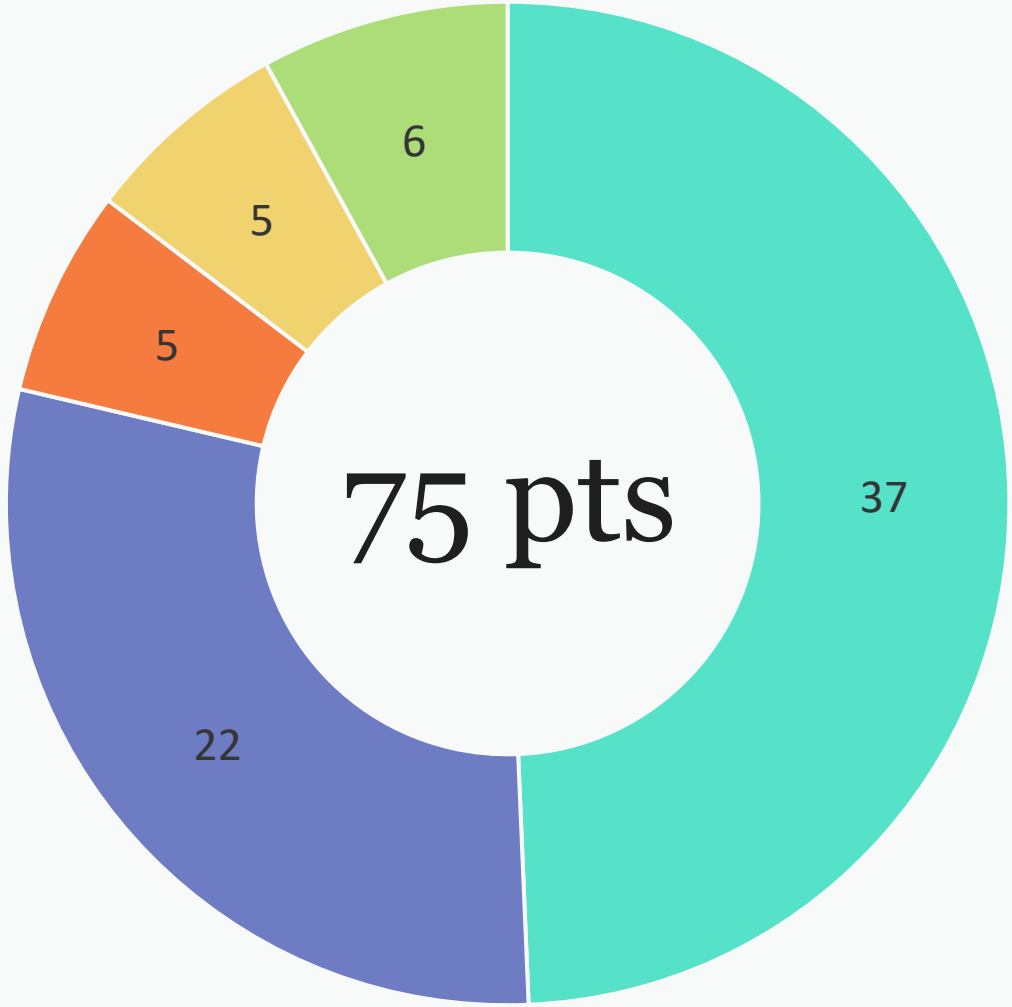
- Potential Future SCW Funding Request: Yes

Metrics & Measures

	PROJECT BENEFIT METRICS	METRIC
Improve Water Quality	Zinc load reduction (lbs/year)	283
	Total Phosphorous load reduction (lbs/year)	1,237
Increase Drought Prepared-ness	Increase Local Water Supply through Stormwater Capture (ac-ft/year)	857.4
	Increase local supply through groundwater recharge and storage (ac-ft/yr)	0
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)	2.5
	Net area of canopy, cooling, and shading surfaces (acres)	0
	Net new trees planted	12
Deliver Multi-Benefit Projects	Net area of habitat created, enhanced, restored, protected (acres)	0
Promote Green Jobs & Career	Annual Full Time Equivalent Jobs Created	89.7

Final Score
by Scoring Committee

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

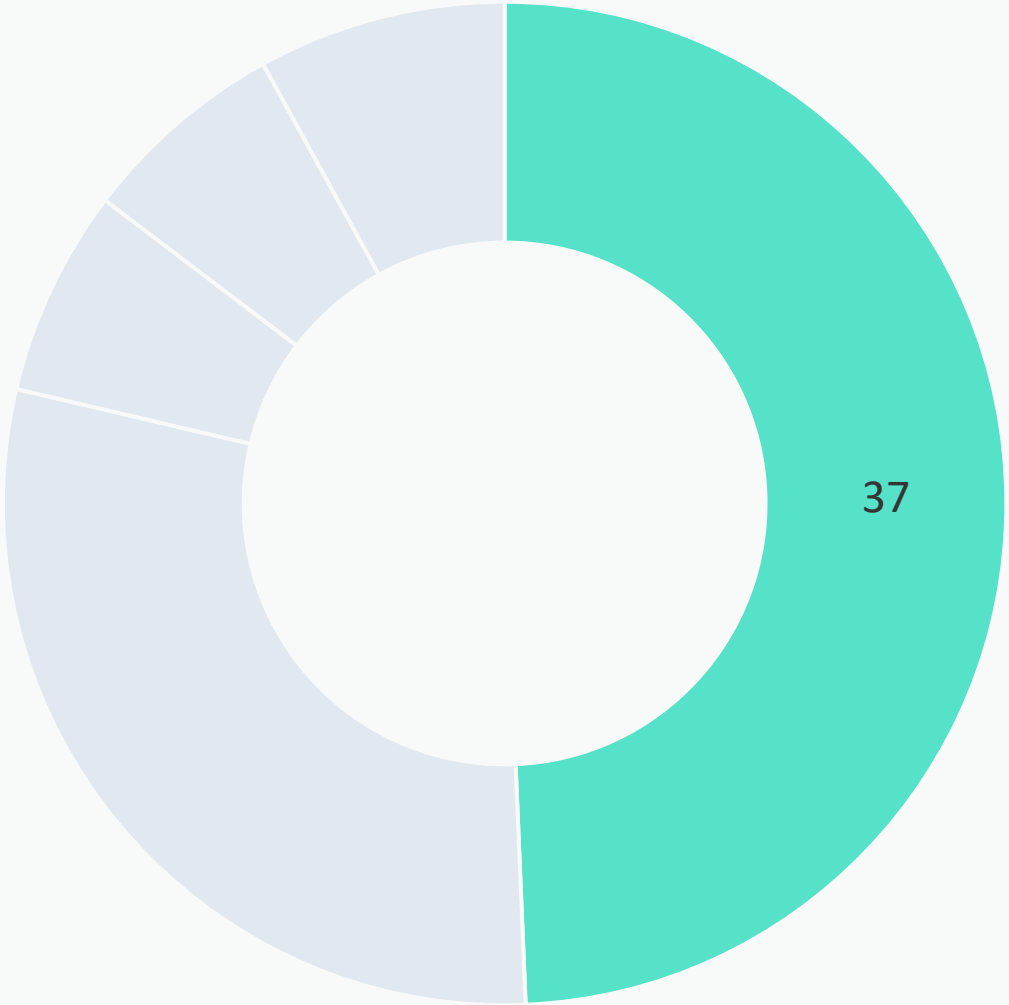


* The Scoring Committee confirmed this score on November 10, 2025

Score Breakdown

Water Quality

- Capture 100% of wet-weather design storm from local storm drains (77 ac)
- Drop inlet diversion within Ballona Creek captures dry weather and portion of wet-weather flows from channel.
- Captured stormwater will be pre-treated, used for irrigation at the park, and excess sent to the sanitary sewer for reclamation at the downstream water reclamation plant.
- Project expected to help meet dry weather metals compliance at nearby TMDL monitoring station near National Blvd
- Zinc Load Reduction 283 lbs/yr
- Total Phosphorus Load Reduction 1,237 lbs/yr



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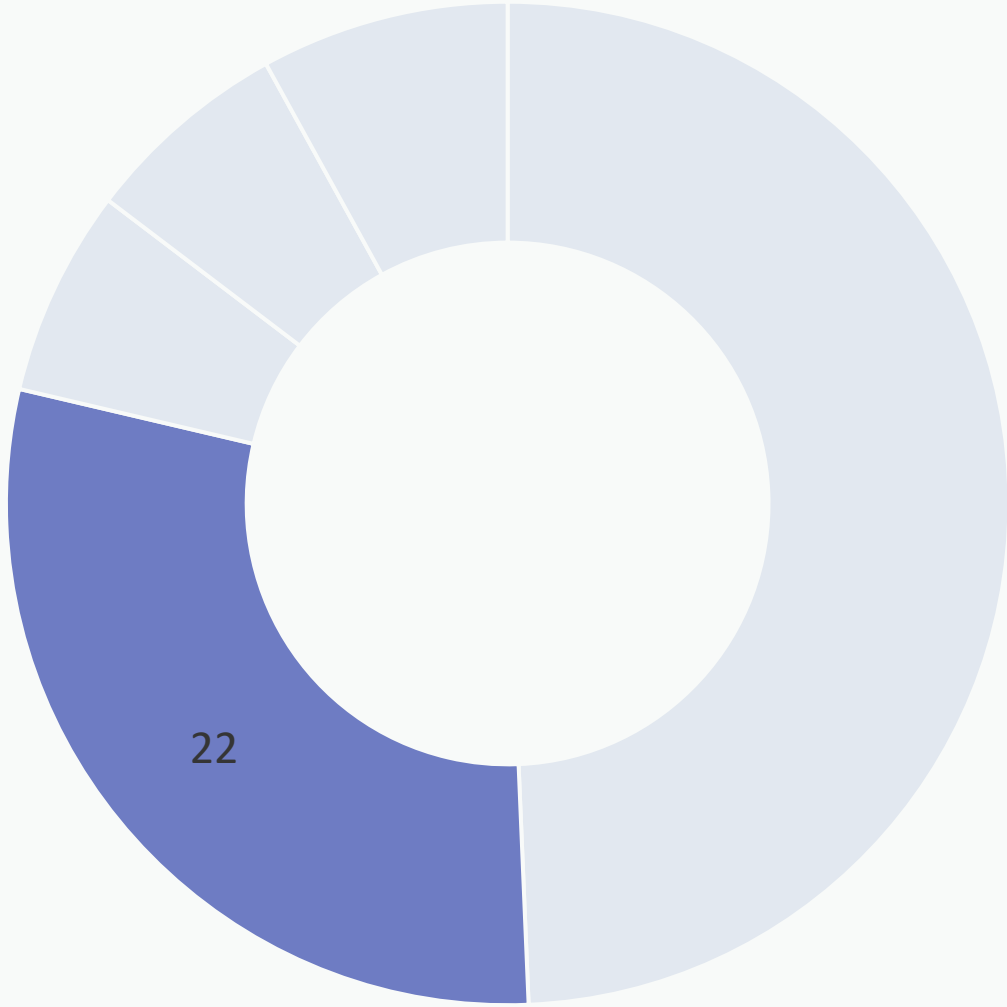
Score Breakdown

Water Supply

- The project is anticipated to capture 857 ac-ft per year for harvest and use.
- The storage chamber and passive Permavoid irrigation system leverage nature-mimicking strategies (detain and slowly release water for irrigation and recycling).
- Excess flows will be diverted to the sanitary sewer for treatment at a downstream water reclamation plant, augmenting local water supply.
- Additional investigation will occur into the potential for infiltration due to the recent change in how infiltration is considered in this area – potential for water supply benefit.



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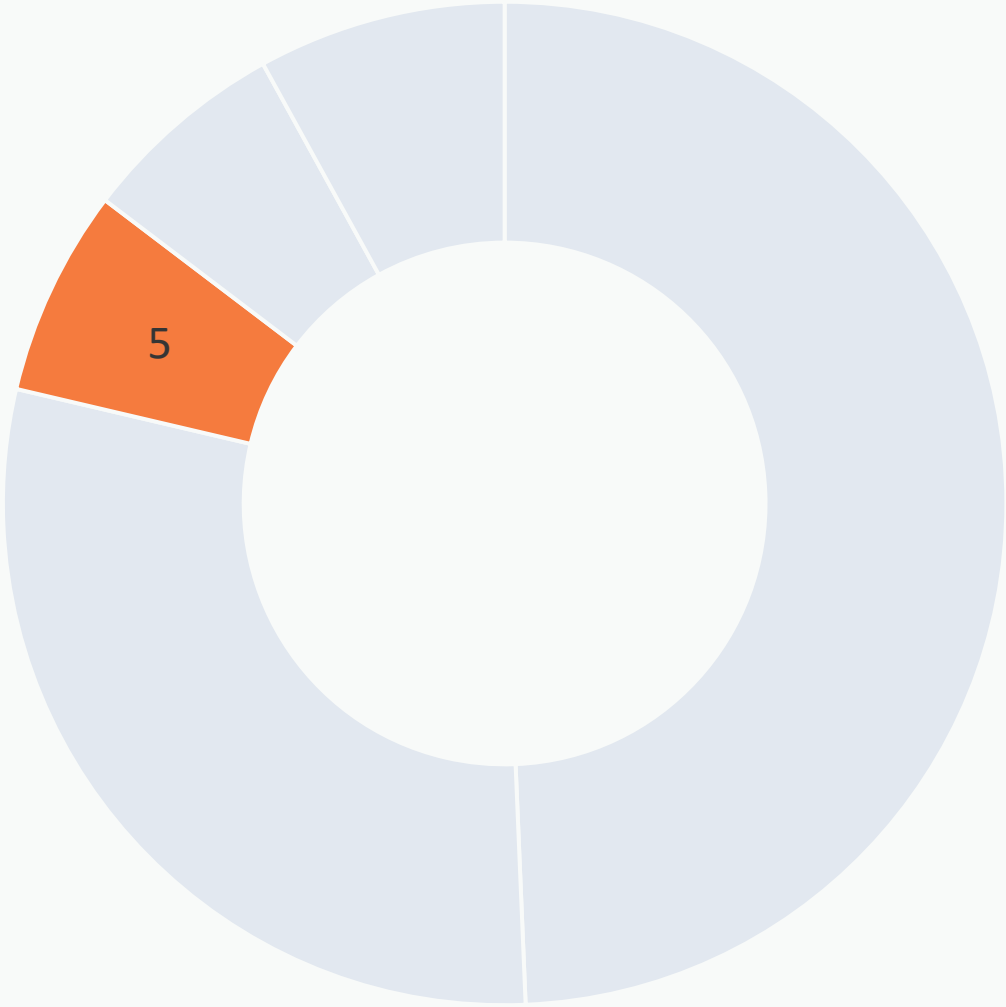
Score Breakdown

Community Investment Benefits

- Renovate ball fields and facilities
- Add trees and native vegetation in rain garden
- Water station in support of Ballona Creek Bike Path
- Addition of a walking path around the entire park
- Capture and treat stormwater to offset irrigation demand and recycle water
- Integrate project with proposed community garden
- Decrease risk of localized flooding



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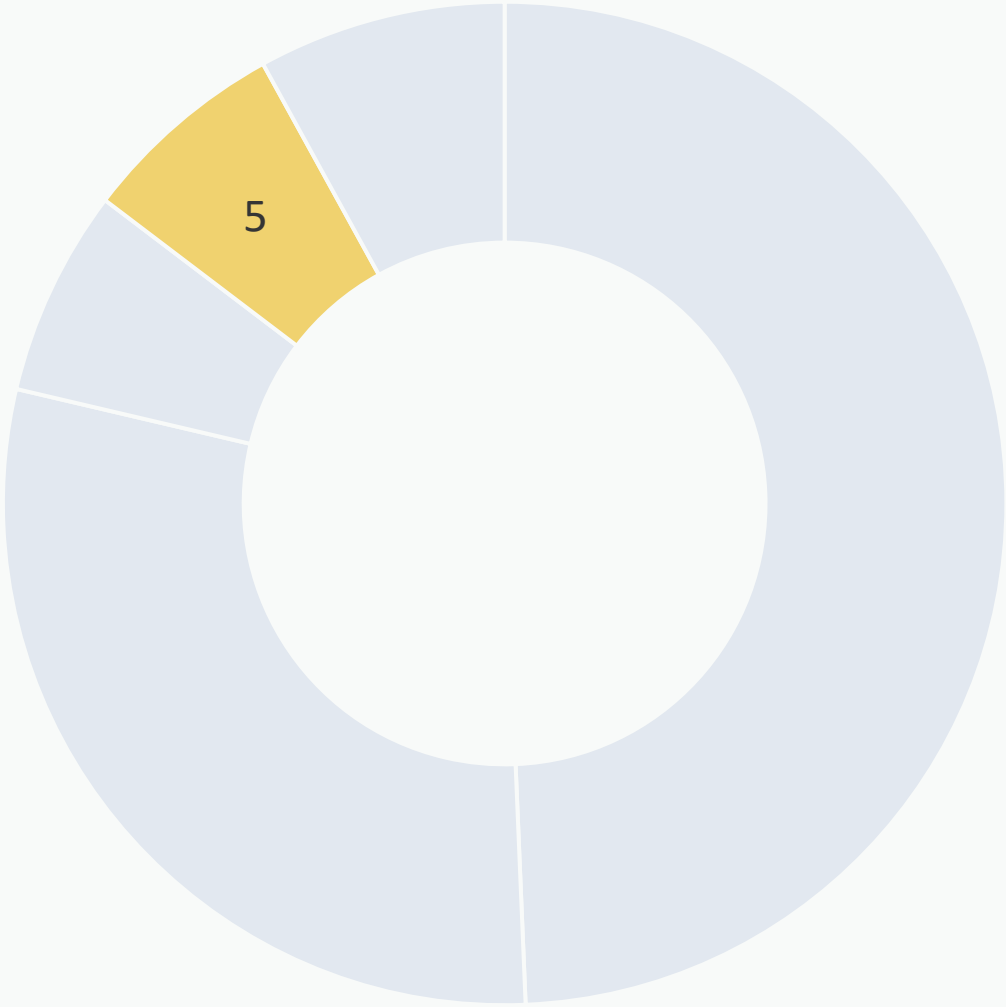
Score Breakdown

Nature-Based Solutions

- Passive Permavoid irrigation system leverages nature-mimicking strategies
- Native planting rain garden
  - Enhance aesthetics at the park
  - Support habitat
  - Provide an educational opportunity for park users and nearby residents
  - Planting palette will be designed with a focus on native species with a variety of low groundcover, shrubs, and trees to support a range of habitat for native pollinators, birds, and other species.
- Further evaluate infiltration opportunities



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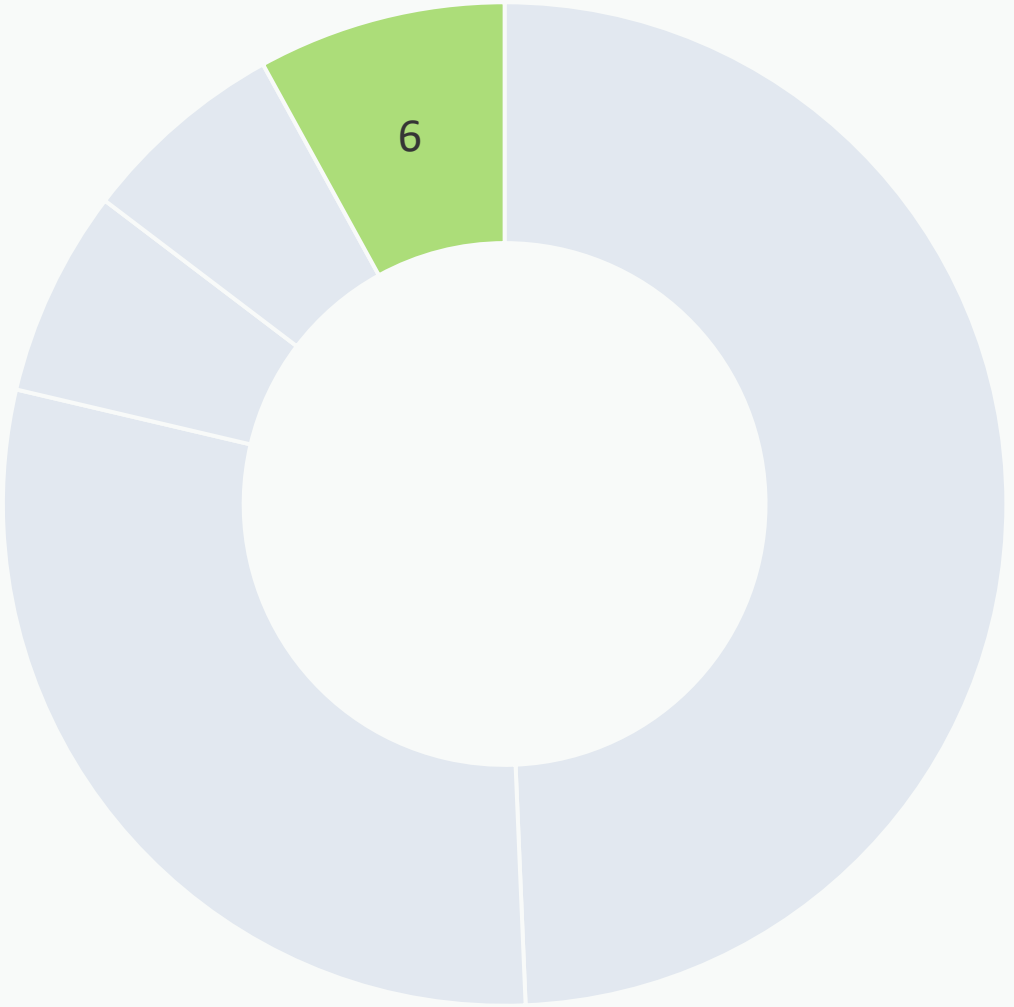
Score Breakdown

Leveraged Funds and Community Support

- City will use municipal funds to provide half of design cost
- Caltrans is a construction funding partner ($11.9M)
- City has conducted outreach efforts with current park users
- Outreach conducted during development of City Parks Plan
- City hosted an informational booth about park improvements at a public event at the park in Summer 2023.
- An online survey to collect public feedback on the project, made available on the project webpage and via QR code at the informational booth.



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Thank you

QUESTIONS?

Javier De La Cruz/Culver City
Dave Mercier/MBI