

Fern Dell Restoration and Stormwater Capture Project

Safe, Clean Water Technical Resources Program

Fiscal Year 2022-2023 Call for Projects

Project Lead: Friends of Griffith Park
Project Proponent: Friends of Griffith Park
Presenters: Gerry Hans, President, Friends of Griffith Park
Oliver Galang, Craftwater Engineering

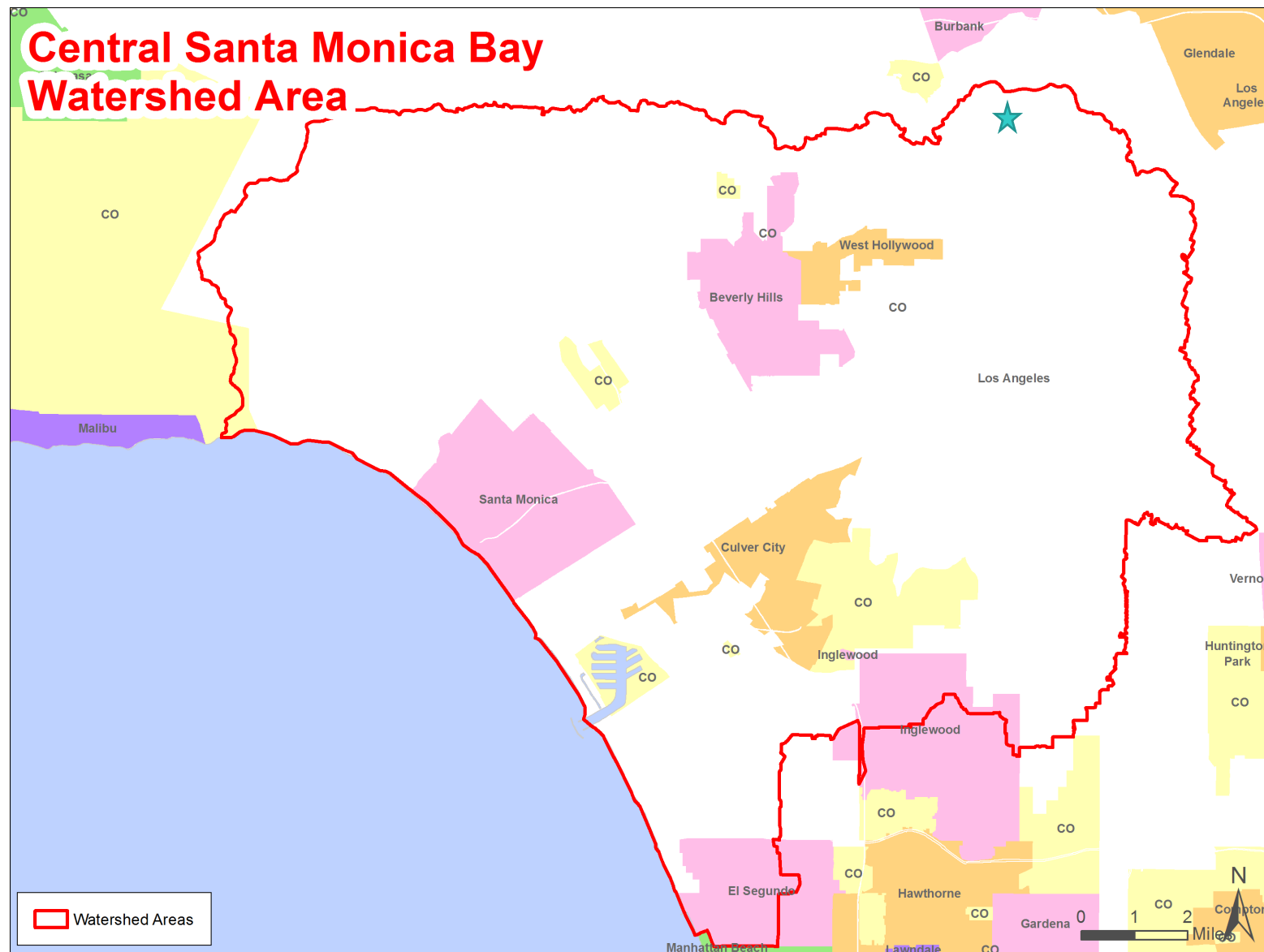
Project Overview

Regional stormwater capture facility and creek restoration project located in Griffith Park

- **Primary Objective:** *Improve Water Quality, Restore Historic Fern Dell Creek*
- **Secondary Objectives:** *Offset potable water demand, provide habitat, and public education*
- **Project Status:** SCW funding request for **FEASIBILITY STUDY DEVELOPMENT**
- **Total Funding Requested:** \$300,000

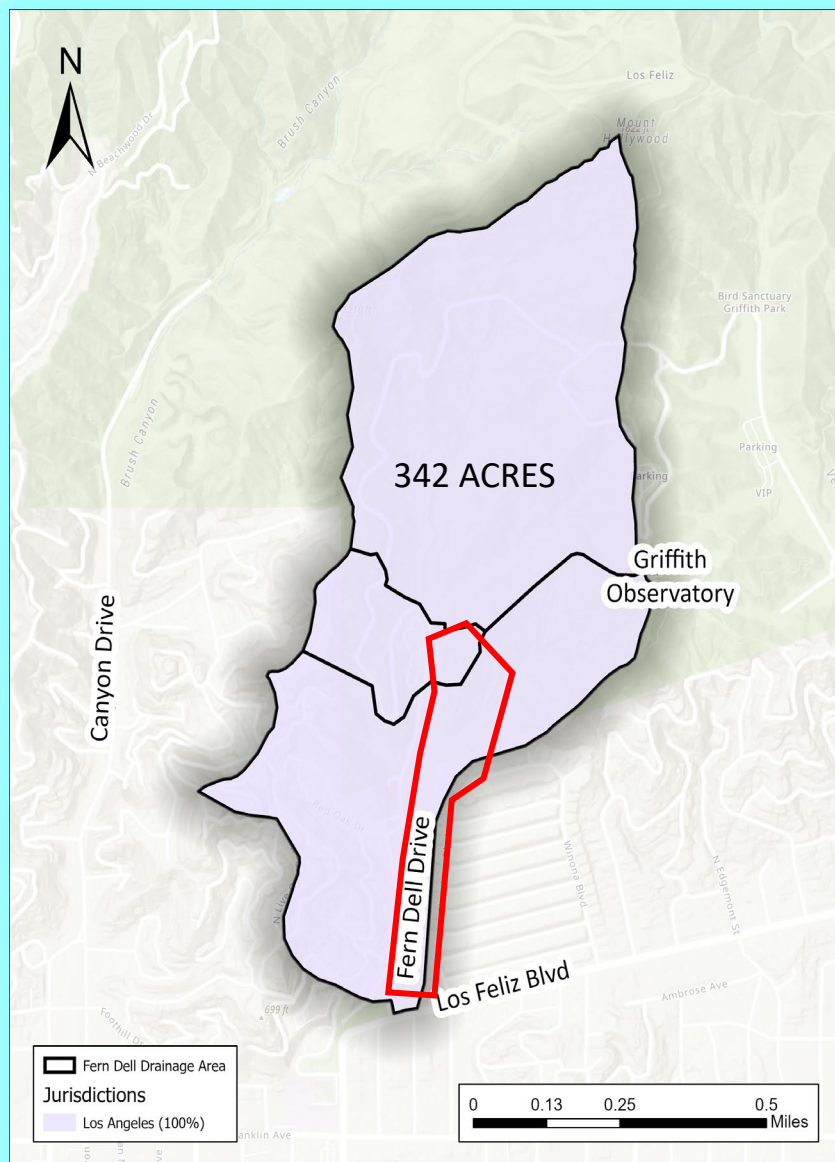


Project Location – Watershed Map





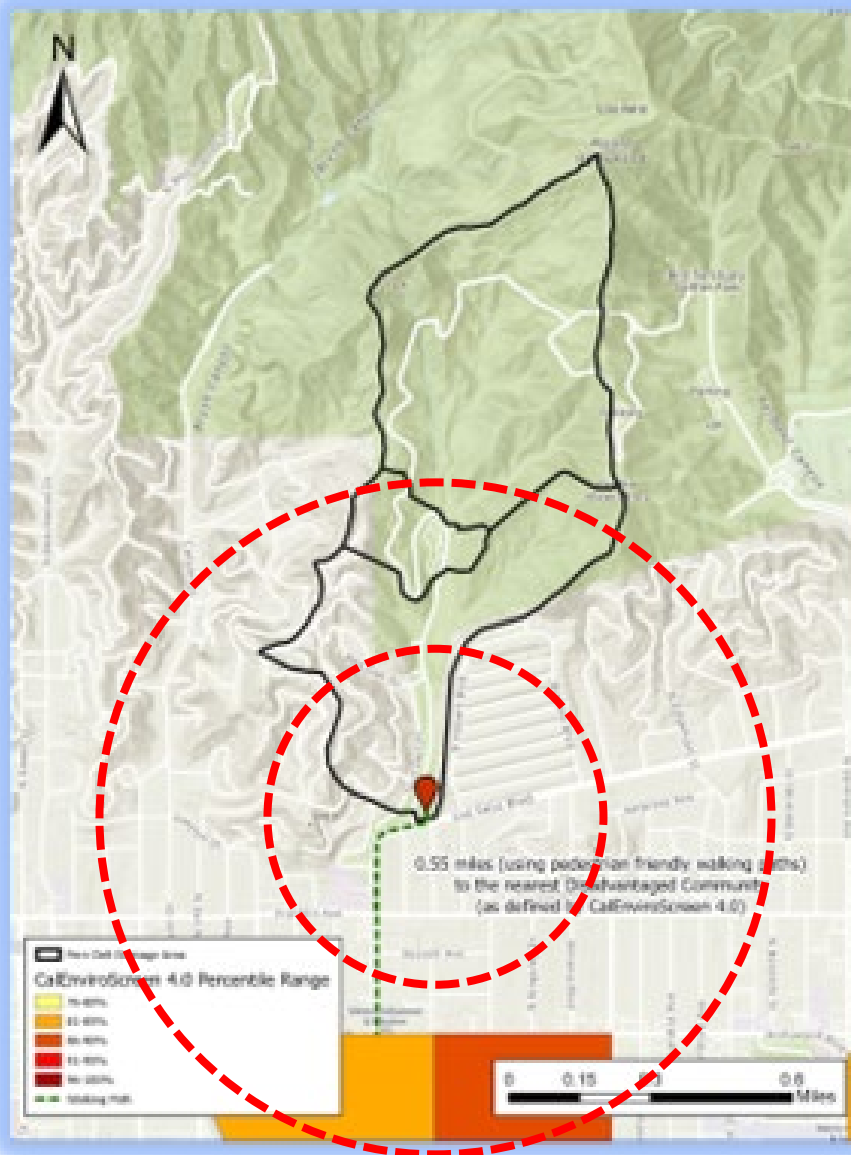
Project Location – Total Capture Area



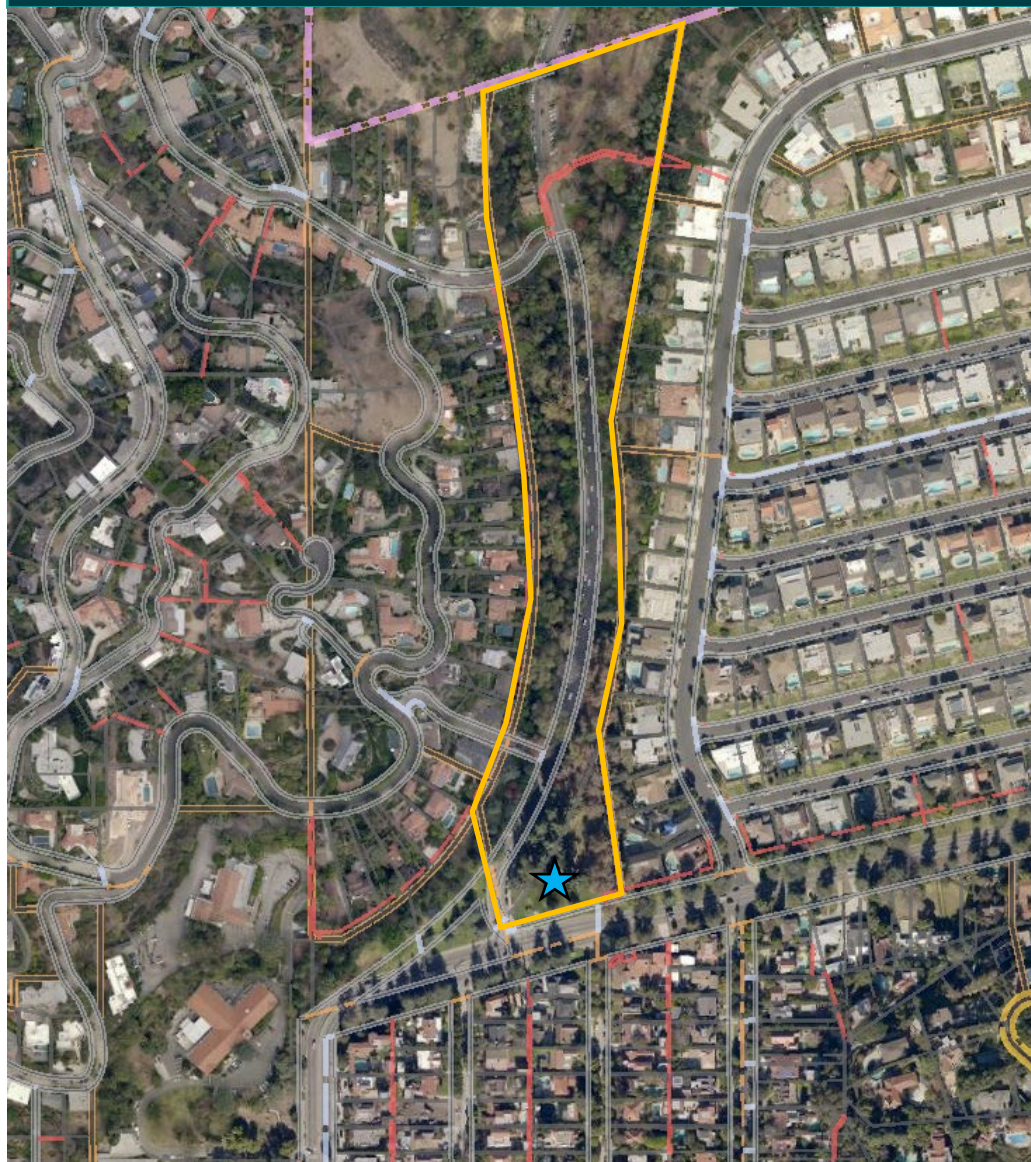
- Capture area jurisdiction:
 - City of Los Angeles
- Watershed Capture Area:
 - 342 acres



Project Location – DAC



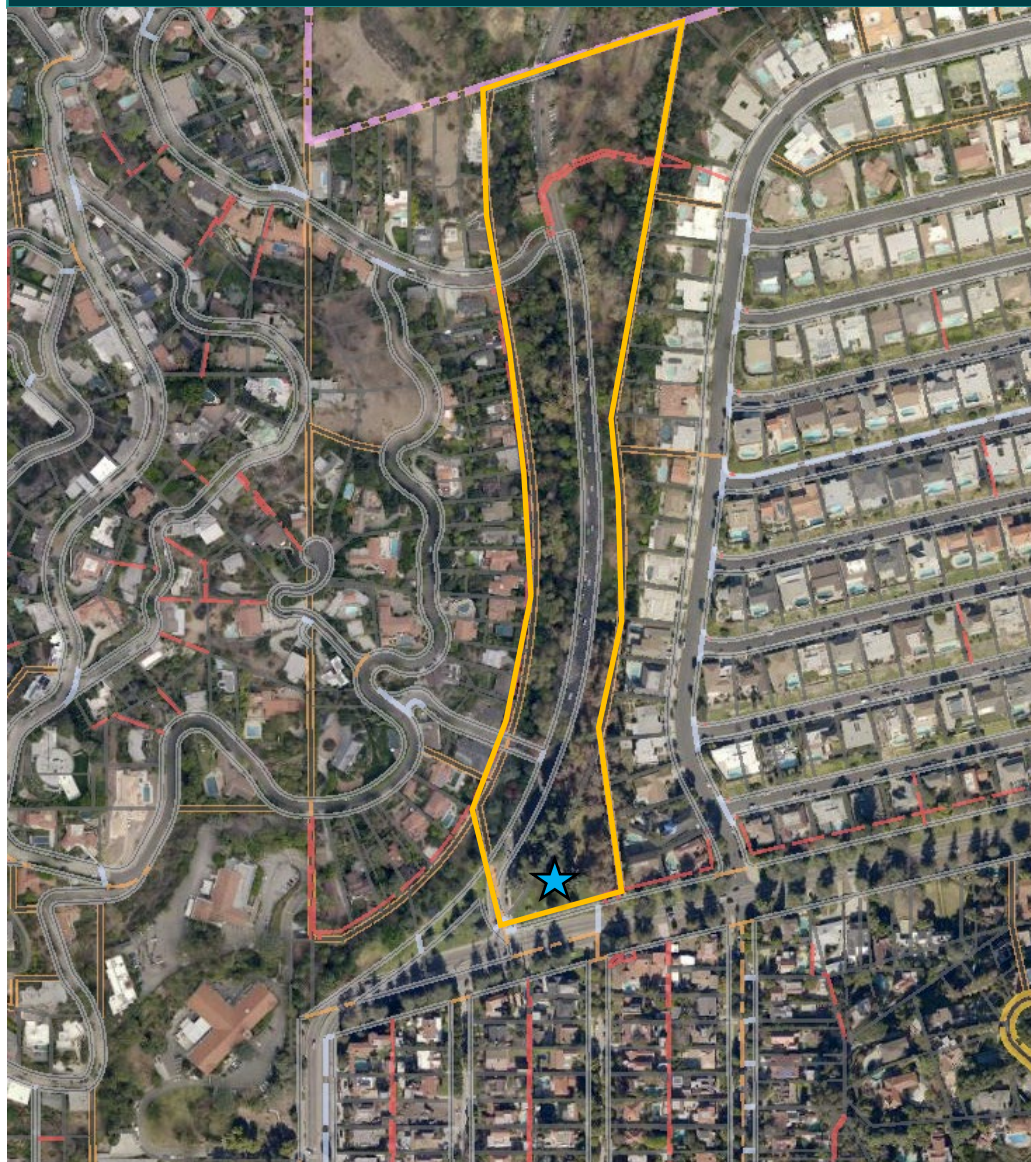
- Fern Dell is located 0.55 miles from a DAC and 0.5 miles from the LA Metro Red line.
- Fern Dell offers a public gathering space for families and social groups and is accessible to persons of all ages and abilities.



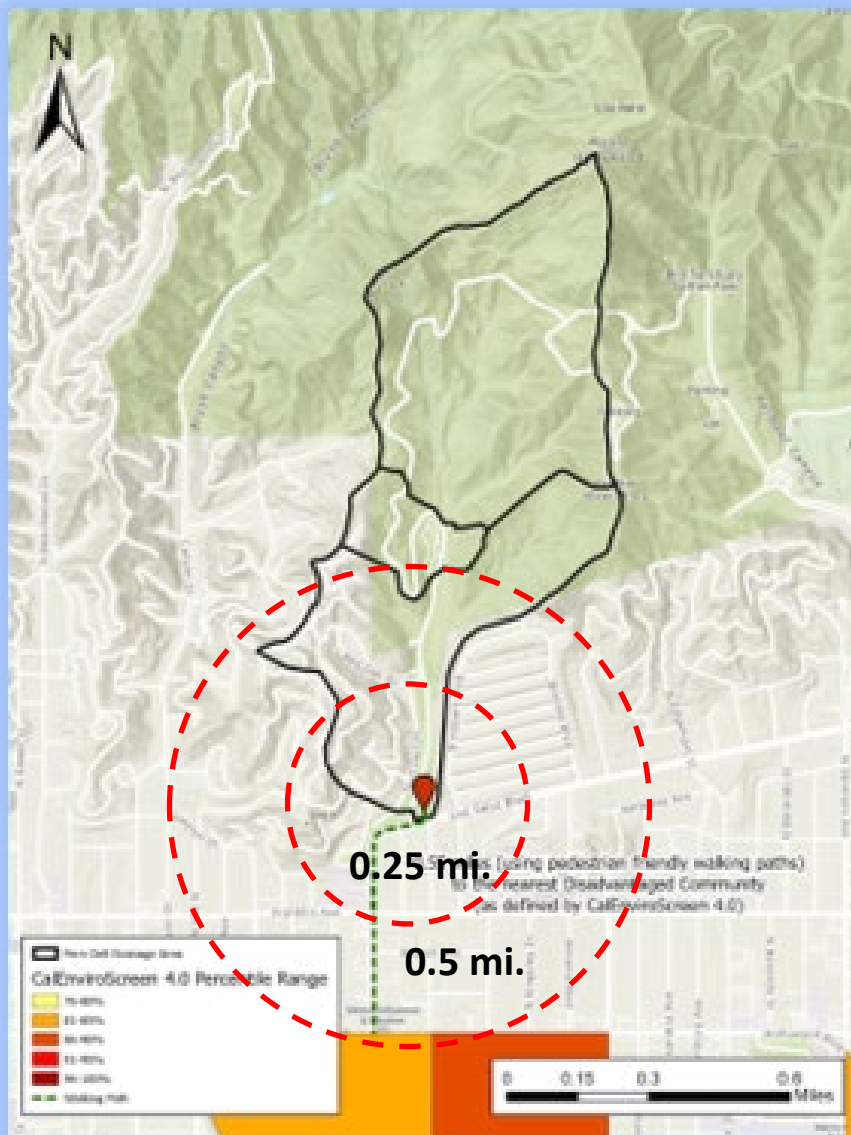
- The Project was submitted to the Greater LA IRWMP for consideration and benefits the Ballona Creek EWMP.
- **Beneficial Site Characteristics**
 - Significant drainage area size (342 acres)
 - Existing open space for Underground Storage Facility and revitalized debris basin and creek.
 - Griffith Park, which includes Fern Dell, is a Historical-Cultural Monument.
- The site layout of Fern Dell provides numerous public education opportunities.



Project Benefits



- **Water Quality** Improvement from local residential runoff and from the stream, protects the Ballona Creek
- **Park recreational enhancements** with restoration and enhancement of the site and restoration of Fern Dell stream
- **Provide supplemental stormwater** to offset potable water demand for irrigation
- **Public Education** for sustainable water resources practices
- **Improved site stormwater** management with permeable pavement in parking lot
- **Provide habitat and diverse vegetation** to restore historic Fern Dell stream



Benefits to DAC:

- Located 0.55 miles from a disadvantaged community and 0.5 miles from the LA Metro Red line.
- Offers a **public gathering space** for families and social groups and is accessible to persons of all ages and abilities.
- **Recreational opportunities** that contribute to the health and well-being of the local communities include walking, running, hiking, summer camp programs, birdwatching, picnicking, playground areas



NITHYA RAMAN | Los Angeles City Councilmember 4th District



Griffith Park Advisory Board

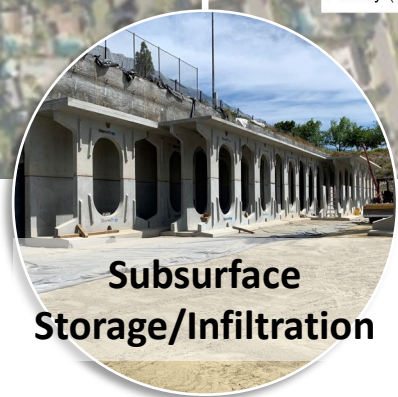


Friends of Griffith Park Conducted Outreach

- Friends of Griffith Park conducted **outreach to the local neighborhood councils**
- **Outreach was also conducted with LA City**, including Council District 4, LA Sanitation, and Recreation and Parks Department
- ***Received 8 support letters from the City Jurisdiction and Neighborhood Councils***



Project Details- Site Plan



Subsurface Storage/Infiltration



Fern Dell Stream Restoration



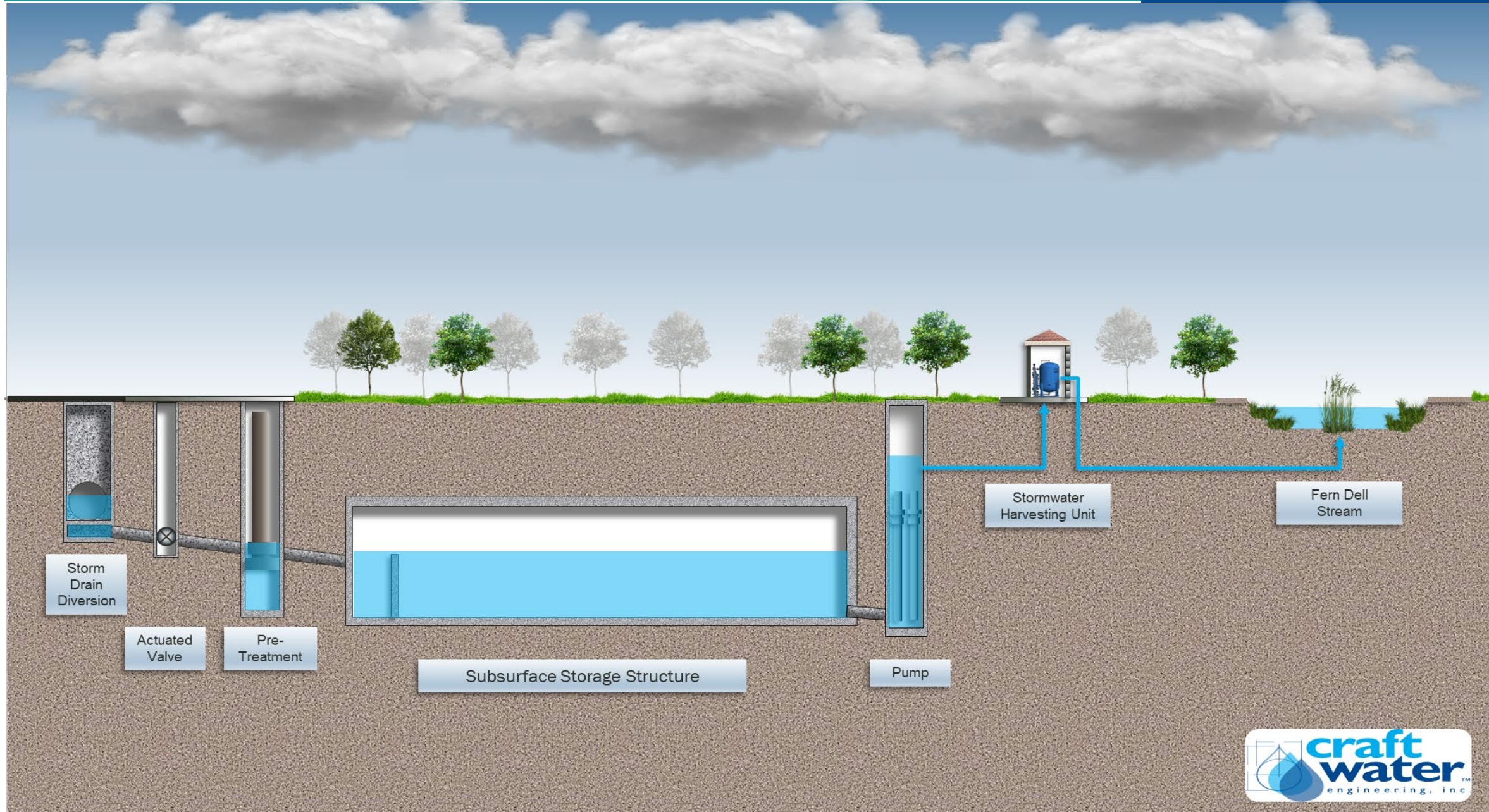
Parking Lot LID



Debris Basin Enhancements

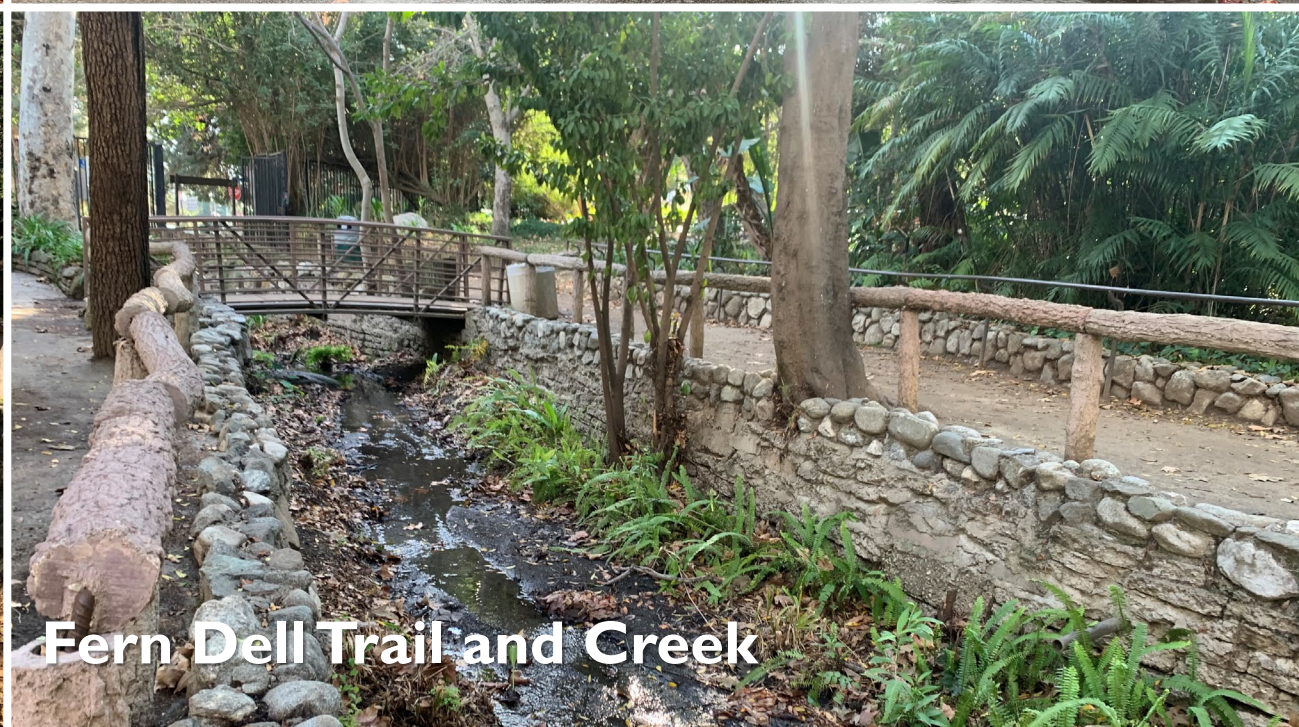


Project Details – Schematic Diagram





Project Details | Existing Conditions





Project Details | Existing Conditions





Cost & Schedule

Phase	Description	Cost
Planning/Design	Planning and Design cost	\$1,000,000
Construction	Construction cost	\$10,000,000

Annual Costs

Maintenance Cost:	\$100,000
Operation Cost:	\$25,000
Monitoring Cost:	\$15,000
Project Life Span:	50

Funding Request

Year	SCW Funding Requested	Phase	Description
Year 1 (FY 2022-23)	\$300,000	Planning	Feasibility Study under the SCW Technical Resources Program (Engineering Analysis: Geotechnical Investigation, Watershed Modeling/Optimization, hydraulic calculations. Water quality sampling and stream flow measurements, Public Outreach, etc.)



Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$300,000	Feasibility Study	Feasibility Study (flow measurement, geotechnical investigation, water quality modeling, and engineering analysis)
TOTAL	\$300,000		



Questions?



friends of GRIFFITH PARK

craft  **water**TM
engineering, inc.

