

# Central Santa Monica Bay Watershed Area Steering Committee (WASC) Meeting Minutes



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Thursday, November 18, 2021  
10:00am - 12:00pm  
WebEx Meeting

## Committee Members Present:

Cung Nguyen, LA County Flood Control District (Agency)  
E.J. Caldwell, West Basin MWD (Agency)  
\*Art Castro, LA Department of Water and Power (Agency)  
Sheila Brice, LA Sanitation (Agency)  
\*Darryl Ford, LA Recreation and Parks (Agency) [arrived late]  
Rita Kampalath, LA County Chief Sustainability Office (Community), Vice Chair  
\*Gloria Medina, The Solutions Project/SCOPE (Community)  
Bruce Reznik, LA Waterkeeper (Community)  
Lauren Amimoto, Inglewood (Municipal)  
Roberto Perez, Los Angeles (Municipal)  
Rafael Prieto, Los Angeles (Municipal)  
Josette Descalzo, Beverly Hills/West Hollywood (Municipal)  
Susie Santilena, Los Angeles (Municipal), Chair  
Bruce Hamamoto, LA County Public Works (Municipal)  
Mikaela Randolph, Heal the Bay (Watershed Coordinator, non-voting member)  
Michelle Struthers, S. Groner Associates (Watershed Coordinator, non-voting member)

\*Committee Member Alternate

## Committee Members Not Present:

Jacob Lipa, Lipa Consulting (Community)  
Curtis Castle, Santa Monica (Municipal)

See attached sign-in sheet for full list of attendees.

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## **1. Welcome and Introductions**

Susie Santilena, Chair of the Central Santa Monica Bay WASC, welcomed Committee Members and called the meeting to order.

The District conducted a brief tutorial of WebEx and facilitated the roll call of Committee Members. All Committee Members made self-introductions and a quorum was established.

## **2. Approval of Meeting Minutes from October 21, 2021**

The District provided the meeting minutes from the previous meeting. Motion to approve the meeting minutes by Member Josette Descalzo, seconded by Vice Chair Rita Kampalath. The Committee approved the October 21, 2021 meeting minutes (approved, see vote tracking sheet).

## **3. Committee Member and District Updates**

There were no committee member updates.

District Staff provided an update, noting:

# Central Santa Monica Bay Watershed Area Steering Committee (WASC) Meeting Minutes



- The District is initiating the Regional Program Fund Transfer Agreement (FTA) process for projects that were approved for funding in the Fiscal Year 2021-2022 Stormwater Investment Plan (SIP). Addendums to projects that were approved in Fiscal Year 2020-2021 SIP were also sent out.
- The Scoring Committee has started to score projects across the program. Four Infrastructure Program projects were submitted for the CSMB Watershed Area. The Ladera Heights project was scored and passed; the rest were scored at the November 17 Scoring Committee meeting. The Scoring Committee will continue to meet throughout December and January to re-score projects that need to submit clarifying information.
- Municipal Program Reporting Module webinars are being conducted virtually for the annual report, which is due December 31, 2021. The webinar recording and Frequently Asked Questions (FAQ) will be posted on the District website at: <https://safecleanwaterla.org/municipalities/>
- Regional Program project proponents are required to submit quarterly and annual reports. The latest quarterly reports were due November 15<sup>th</sup>. A summary of the project quarterly reports will be provided to the WASC in the coming months.
- The District sent out an email to the SCW Committees last week requesting vaccine information, with additional information from the Board of Supervisors memo on vaccine requirements. Please refer to that email and respond back to the District.
- The Board of Supervisors are acting under the authority of Assembly Bill 361 which authorizes public committees to continue meeting without complying with all the teleconferencing requirements of the Brown Act. On November 2, the Board voted to continue conducting virtual meetings.

Member Gloria Medina requested additional information about when the email regarding vaccination was distributed. District staff replied that an email from the Safe Clean Water Program was sent last week.

Member Descalzo asked whether the Municipal Program Annual Report will be fully electronic. District staff confirmed that the annual report will be submitted electronically through the Reporting Module; the final version of the Reporting Module, webinar recording, and FAQ will be released next week.

Member Descalzo asked how long it will take for the District to review the Regional Program Quarterly Reports. District staff replied that a summary of the reports will be shared within the next few weeks.

## 4. Watershed Coordinator Updates

Watershed Coordinators Michelle Struthers and Mikaela Randolph provided an update, noting:

- Two items will be shared with the WASC: (1) press release for Call for Projects and (2) tool kit for the Community Needs Survey. The Coordinators asked members of the WASC to help distribute the press release.
- The Watershed Coordinator quarterly report will be submitted by the end of the month.
- A public event was held at the Natural History Museum earlier this month, where outreach on the Safe Clean Water Program (SCWP) was conducted. The event will take place again in December.
- A virtual watershed-wide event, in collaboration with the South Santa Monica Bay Watershed Coordinator, is planned for Thursday December 9. Event materials will be shared with the WASC in advance.

Watershed Coordinator Struthers asked how quarterly reports will be made accessible to members of the WASC. District staff responded that the quarterly reports will be posted on the SCWP website for the

# Central Santa Monica Bay Watershed Area Steering Committee (WASC) Meeting Minutes



WASC's review. Steering Committee members may also request a presentation from the Watershed Coordinators on the quarterly report.

## 5. Public Comment Period

Marion Dodge from Friends of Griffith Park submitted and presented a public comment card. Dodge asked for WASC support for the Fern Dell Stormwater Capture Project.

Genevieve Chacon, a resident of Park Mesa Heights, expressed support for the Angeles Mesa Green Infrastructure Corridor Project. Chacon noted personal experience regarding heat island issues resulting from the lack of trees along 54<sup>th</sup> Street and noted that the project will help enhance the community.

Terrick Gutierrez noted that the Destination Crenshaw project fully supports LA Sanitation's request for SCWP funding for the Angeles Mesa Green Infrastructure Corridor Project.

Kidada Malloy, Planning Deputy from LA Council Member Marqueece Harris-Dawson, expressed support for the Angeles Mesa Green Infrastructure Corridor Project. Park Mesa Heights is part of Crenshaw District. Malloy noted the community has been burdened with lack of funding and disturbance from the Metro Corridor. Council Member Harris-Dawson is in support of the project.

## 6. Discussion

### a) Ex Parte Communication Disclosure

Member Roberto Perez disclosed their employment as a staff member with LA Council Member Harris-Dawson. Member Perez has been in contact with City of Los Angeles Sanitation Districts for a few months about the Angeles Mesa Green Infrastructure Corridor project, as it is in the Council Member's District. Member Perez has been helping the project team with outreach in the community.

Member Sheila Brice disclosed their participation in the Angeles Mesa Green Infrastructure Project team and has been involved in meetings and work regarding the project.

Member Lauren Amimoto disclosed their involvement in the Edward Vincent Jr. Park Stormwater Improvements Project. Member Amimoto is a committee member and has been working with the City of Inglewood, and has been involved with work, meetings, and conversations about the project.

Member Bruce Reznik disclosed their membership in the Scoring Committee and that they have reviewed all four projects for scoring.

### b) Technical Resources Program (TRP) Presentations

#### i. Fern Dell Restoration and Stormwater Capture Project Friends of Griffith Park ([PowerPoint Presentation Link](#))

Presentation by Gerry Hans, Friends of Griffith Park & Oliver Galang, Craftwater Engineering, Inc. This project aims to develop a regional stormwater capture facility and creek restoration project located in Griffith Park.

# Central Santa Monica Bay Watershed Area Steering Committee (WASC) Meeting Minutes



Chair Santilena asked what the water quality is like in the drainage area. Oliver Galang noted that the drainage area is primarily local runoff from The Oaks neighborhood, which will be captured and reused for beneficial use by the project.

Chair Santilena asked if there will be a compliance benefit. Oliver Galang responded that there will be, as treating the runoff from the impervious area and neighborhood will reduce pollutants going into the downstream drain.

Member Cung Nguyen asked who would be maintaining the infrastructure. Galang responded that the underlying property owner is the City of LA, who will maintain the infrastructure. Funding for operation and maintenance is expected to come from the SCWP.

Member Darryl Ford clarified that the City of LA is in support of the project and will assume maintenance responsibilities at the feasibility stage, but that is subject to change once the project is at the infrastructure stage.

Member Descalzo asked if it was possible for the project to increase the tributary area to help the City of LA with compliance. Oliver Galang noted that there is an opportunity to add additional upstream inlets to capture runoff from other neighborhoods and provide additional water supply. Gerry Hans noted that nearby homes have issues with water supply, and the project is an opportunity to address them.

Watershed Coordinator Struthers asked how much community input has influenced the project concept. Gerry Hans noted that, due to underground storage being planned, the project team has reached out to the neighborhood council and local organizations, all of which have expressed their support. Stormwater capture seems to be a priority for the Council District.

## **c) Infrastructure Program (IP) Presentations - [All IP Presentations Here](#)**

### **i. Ladera Heights – W. Centinela Ave. Green Improvement** LA County Public Works

Presentation by Kara Plourde, LA County Public Works. This project will infiltrate stormwater into dry wells along W. Centinela Ave in Ladera Heights and install permeable pavement and bioswales. Project objectives are to improve stormwater quality and to provide community enhancements.

Chair Santilena asked for clarification on what the provided cost (\$1.1 million) includes. Plourde noted that the cost is a preliminary estimate based on similar projects and represents operation and maintenance and monitoring costs.

Member Medina asked for elaboration on the proximity of Disadvantaged Communities (DAC) to the project, in terms of geography and engagement. Plourde noted that there is a DAC community near the project site, and that the project did not claim any DAC benefits, as the project is “just a green street.”

Member Medina asked whether there will be alternative avenues for engagement. Plourde noted that instead of hosting community meetings, the project team hopes to explore presenting the project at existing community events.

# Central Santa Monica Bay Watershed Area Steering Committee (WASC) Meeting Minutes

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## ii. **West Los Angeles College Soccer Field Basin Dry Well Project**

Los Angeles Community College District (LACCD)

Presentation by Daniel Apt, Olaunu. This project will integrate six dry wells into the existing soccer field/stormwater detention basin. The objective of the project is to assist compliance with the MS4 permit and help meet downstream TMDL compliance.

Chair Santilena asked for a map of the drainage area and for clarification on what land uses are in the area. Daniel Apt referred to the "Project Concept Design" slide; the drainage area consists of the campus. The project team is investigating whether the project can capture additional runoff from a city road.

Chair Santilena asked if there was a possibility to capture runoff from off-site. Daniel Apt noted the project will consider capturing additional runoff during the design stage.

Member Hamamoto asked who the lead on the project is. Daniel Apt responded that the Los Angeles Community College District (LACCD) is the project lead; the project team is hoping to engage Culver City as well. LACCD has committed to long-term maintenance responsibilities.

Member Medina asked if the community has access to the soccer field. Daniel Apt replied that the field is used by the surrounding communities.

Member Reznik noted that the project appears to have a small drainage area specific to the college campus and asked for clarification on how the project will provide regional benefits. Daniel Apt responded that the project will provide water quality and supply benefits to the community, first by removing pollutants from downstream water bodies and by infiltrating water into the LA basin, adding to water supply.

## iii. **Angeles Mesa Green Infrastructure Corridor Project**

City LA Sanitation District

Presentation by Brett Perry, LA Sanitation District and Sunshine Saucedo, Carollo. This project aims to improve water quality, mitigate floods, and restore habitat within the Park Mesa Heights Neighborhood and the Ballona Creek Watershed. Project objectives are to improve public health and habitat, install several types of stormwater capture best management practices (BMPs), increase permeability, and provide community investments through nature-based solutions.

Member Medina asked whether there were any plans to include parents and youth in the design aspect of the project. Perry noted that there is potential for input around signage and plants. The project will continue to look for opportunities throughout the project.

Member Nguyen pointed out a discrepancy in the drainage area presented on the slides. Perry clarified that the drainage area consists of 162 acres.

Member Nguyen asked how many catch basins there are and whether trash capture devices will be designed in the catch basins. Sunshine Saucedo responded that there are two diversion points with infiltration potential. The dry well systems will be equipped with trash capture capabilities. Saucedo invited Jim Rasmus (Carollo) to weigh in on the question. Member Nguyen expressed

# Central Santa Monica Bay Watershed Area Steering Committee (WASC) Meeting Minutes



concerns regarding maintenance of, and resulting pollutants from, trees. Saucedo noted that the trees will be appropriately selected for the project. Perry noted that the City of LA has retrofitted all catch basins to capture trash and this project will do the same.

Jim Rasmus noted that auto retractable trash screens should be incorporated; if not, trash capture technology will be installed. Member Nguyen asked whether there will be inserts to capture the trash. Rasmus replied that they will have inserts.

Member Reznik asked project proponents to review the notes from the Scoring Committee's November 17th meeting to address the Scoring Committee's questions and discussions. Perry noted there was discussion around the accuracy of the modelling results, and that the project team is confident with their results but will verify them and follow up with the Scoring Committee.

iv. **Edward Vincent Jr. Park Stormwater Improvements Project**  
City of Inglewood

Presentation by Brenda Ponton, Woodard & Curran.

Due to time constraints, Chair Santilena proposed pushing the last Infrastructure Program presentation to the next meeting, with consent from the project presenters. No members expressed objection.

## 7. Public Comment Period

There were no public comments.

## 8. Voting Items

There were no voting items.

## 9. Items for next agenda

a) Discussion of Project Quarterly Reports

District staff will present Agenda Item 9.a. in January.

b) Presentation by Disadvantage Community Involvement Program (DACIP) – After completion of all project presentations.

- Tori Klug, Stantec staff, suggested several potential presenters for this item, including Tree People and Margarit Movsesian (LA County Public Works, coordinator for the Greater Los Angeles County DACIP Task Force).
- District staff requested Mike Antos to help coordinate the DACIP presentation and noted that it would be scheduled at either the next meeting or the one after.

Chair Santilena requested the WASC consider alternate times for regular meetings, as several schedule conflicts were brought to their attention. Members Ford and Rafael Prieto expressed interest in exploring different times for the regular meetings. Member Nguyen noted there are conflicts with the Santa Monica Restoration Committee on even-numbered months; Member Nguyen does have an alternate in place and is okay with currently scheduled time. Member Descalzo will be flexible with what WASC proposes. Chair Santilena will follow up with District staff to send out a poll to select the best regular meeting time.

# Central Santa Monica Bay Watershed Area Steering Committee (WASC) Meeting Minutes

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District staff proposed cancelling the December meeting, due to conflicts with the holidays and the lack of impact it would have on the timeline. Hearing support from Members Reznik and Prieto, Chair Santilena and District staff decided to cancel the December meeting.

## **10. Adjournment**

Chair Santilena thanked WASC members and the public for their attendance and participation and adjourned the meeting.

**Next Meeting:**  
January 2022  
10:00 AM – 12:00 PM  
See SCW website for meeting details

**CENTRAL SANTA MONICA BAY WASC MEETING - November 18, 2021**

		Quorum Present				Voting Items
Member Type	Organization	Member	Voting?	Alternate	Voting?	Approval of 10/21/21 Meeting Minutes
Agency	LACFCD	Cung Nguyen	x	Mark Beltran		A
Agency	West Basin MWD	E.J. Caldwell	x	Alex Heide		Y
Agency	LA Water & Power	Delon Kwan		Art Castro	x	Y
Agency	LA Sanitation District	Sheila Brice	x	Michael Scaduto		Y
Agency	LA Recreation & Parks	Cathie Santo Domingo		Darryl Ford		
Community Stakeholder	LAC Chief Sustainability Office	<b>Rita Kampalath</b>	x	Gary Gero		Y
Community Stakeholder	Lipa Consulting Company / Business Sector	Jacob Lipa		Alysen Weiland		
Community Stakeholder	The Solutions Project / SCOPE	Gloria Walton		Gloria Medina	x	Y
Community Stakeholder	LA Waterkeeper	Bruce Reznik	x	Melanie Rivera		Y
Community Stakeholder	VACANT					
Municipal Members	Beverly Hills / West Hollywood	Josette Descalzo	x	Hany Demetri		Y
Municipal Members	Inglewood	Lauren Amimoto	x	Thomas Lee		Y
Municipal Members	Los Angeles	Roberto Perez	x	Max Podemski		A
Municipal Members	Los Angeles	Rafael Prieto	x			Y
Municipal Members	Los Angeles	<b>Susie Santilena</b>	x	Rebecca Rasmussen		Y
Municipal Members	LAC Public Works	Bruce Hamamoto	x	Geremew Amenu		A
Municipal Members	Santa Monica	Curtis Castle		George Rodriguez		
Watershed Coordinator	Heal the Bay	Mikaela Randolph	x			N/A
Watershed Coordinator	S. Groner Associates	Michelle Struthers	x			N/A
Total Non-Vacant Seats		16			Yay (Y)	10
Total Voting Members Present		13			Nay (N)	0
Agency		4			Abstain (A)	3
Community Stakeholder		3			Total	13
Municipal Members		6				Approved

Other Attendees	
Brad Parks	Sean Singletary
Brenda Ponton	Shahram Kharaghani
Brett Perry	Terrick Gutierrez
Cerrell Associates	Thomas Lee
Chanel Kincaid	Wendy Dinh
Christine McLeod	Sunshine Saucedo
Conor Mossavi	Emily Finnegan
Daniel Apt	Jim Rasmus
Elizabeth Gallo	Dustin Bambic
Genevieve Chacon	Rebeca Rasmussen
Geremew Amenu	
Gerry Hans	
Johanna Chang	
Jonathan Lee	
Kara Plourde	
Kidada Malloy	
Kim Braun	
Lorena Matos	
Marian Dodge	
Marisol Ibarra	
Mary Breckell	
Mike	
Millicent Crawford	
Oliver Galang	



# 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

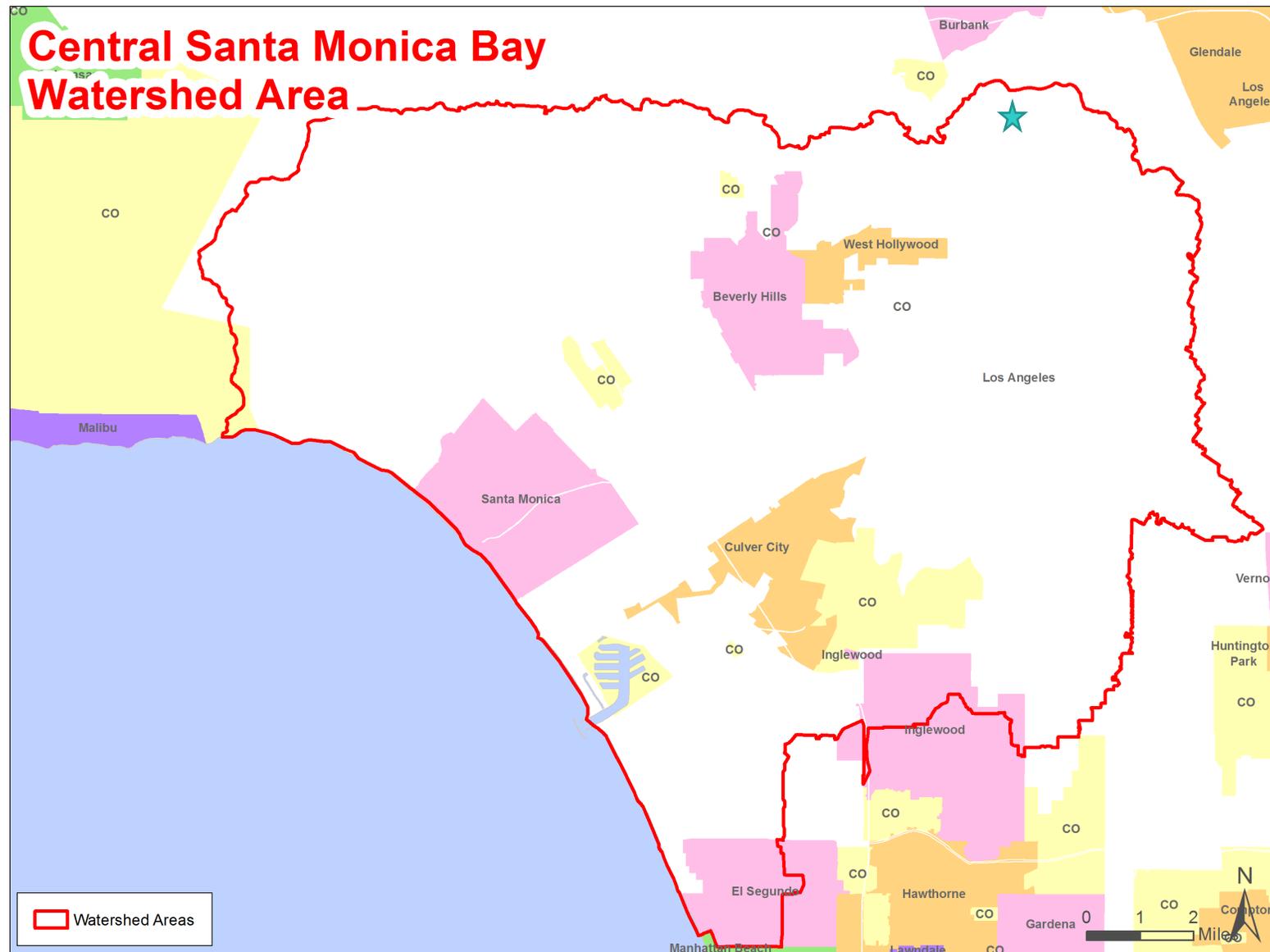
# Project Overview

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

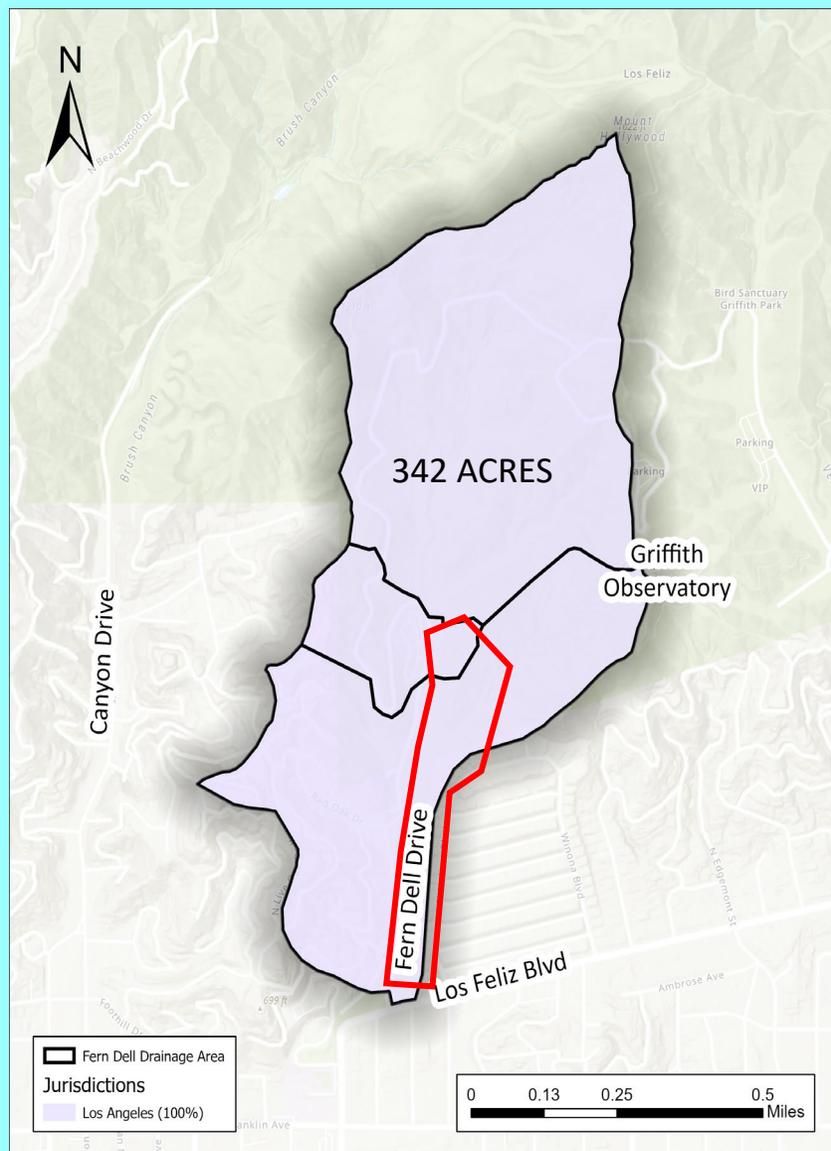


# Project Location – Watershed Map

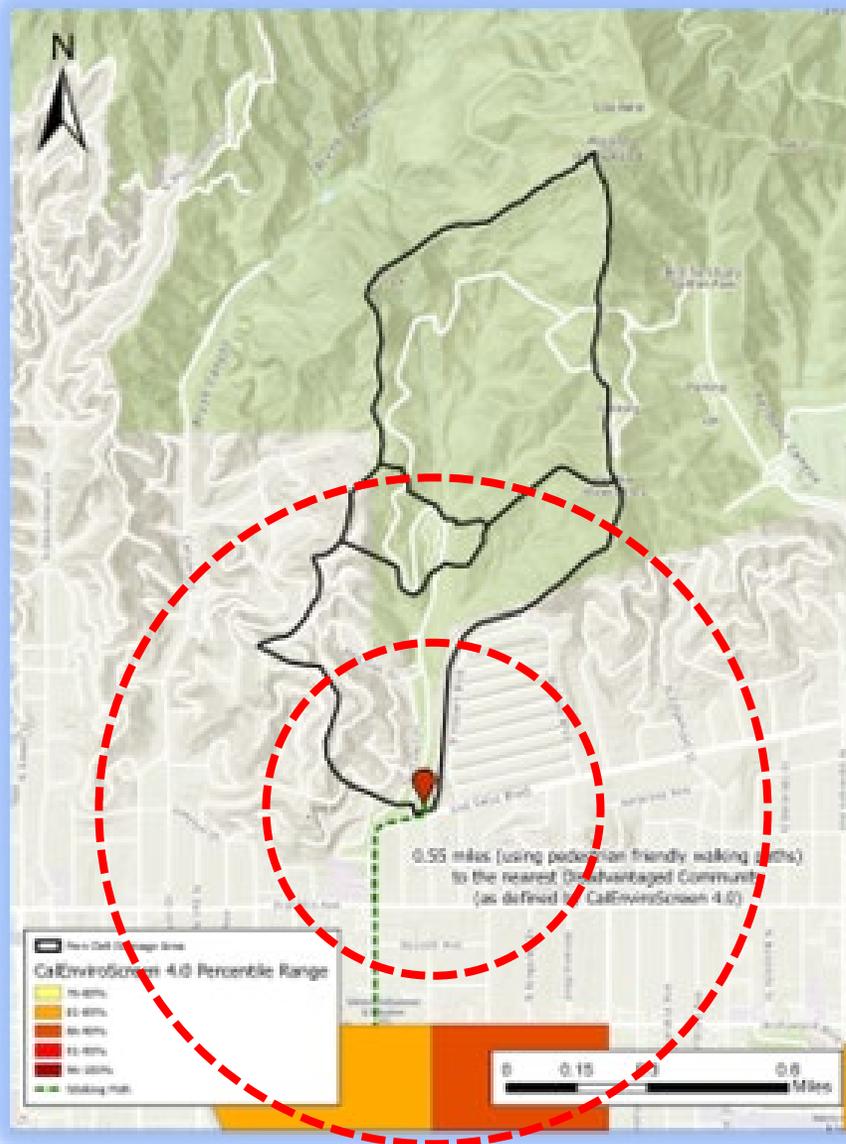




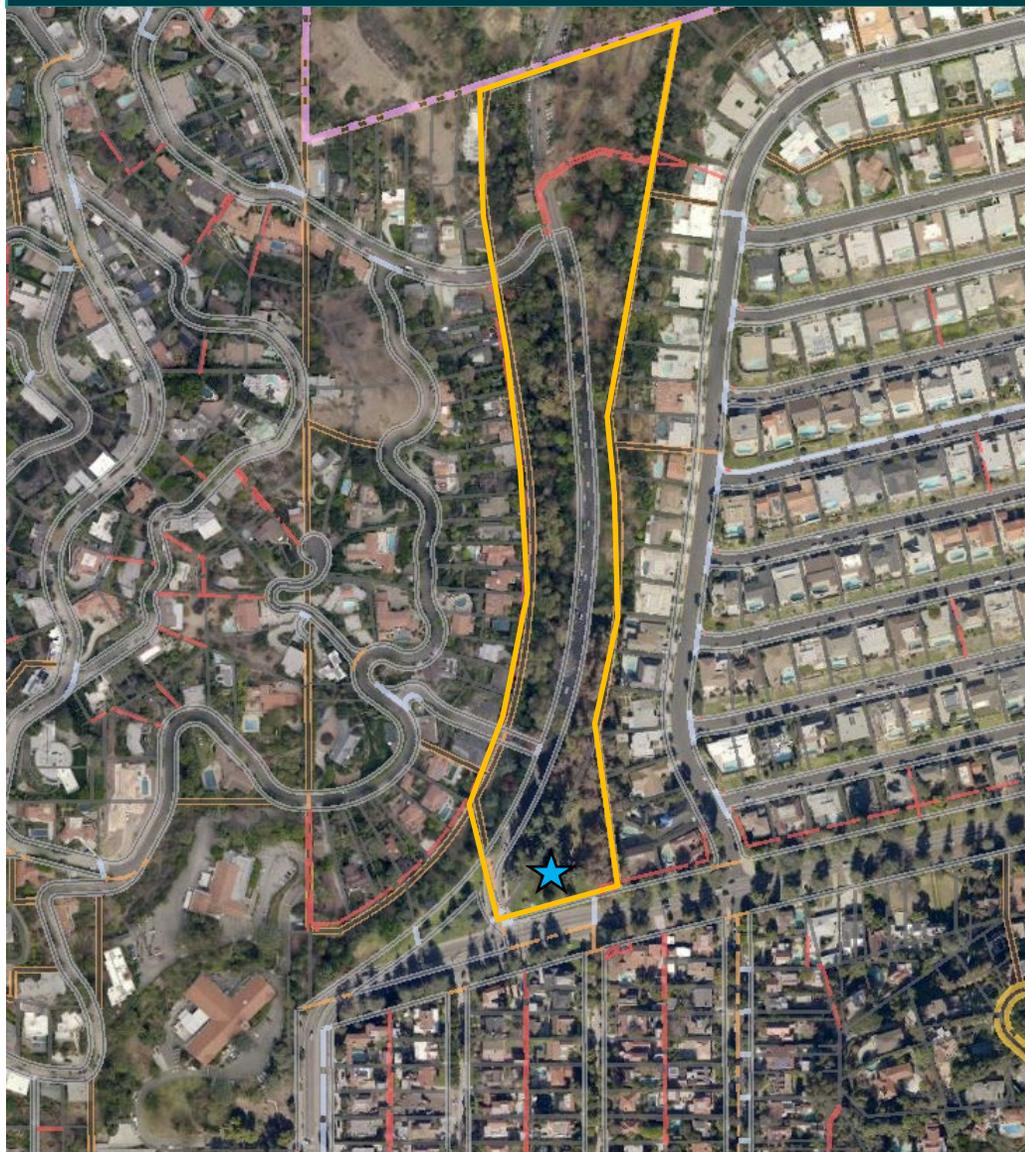
# Project Location – Total Capture Area



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



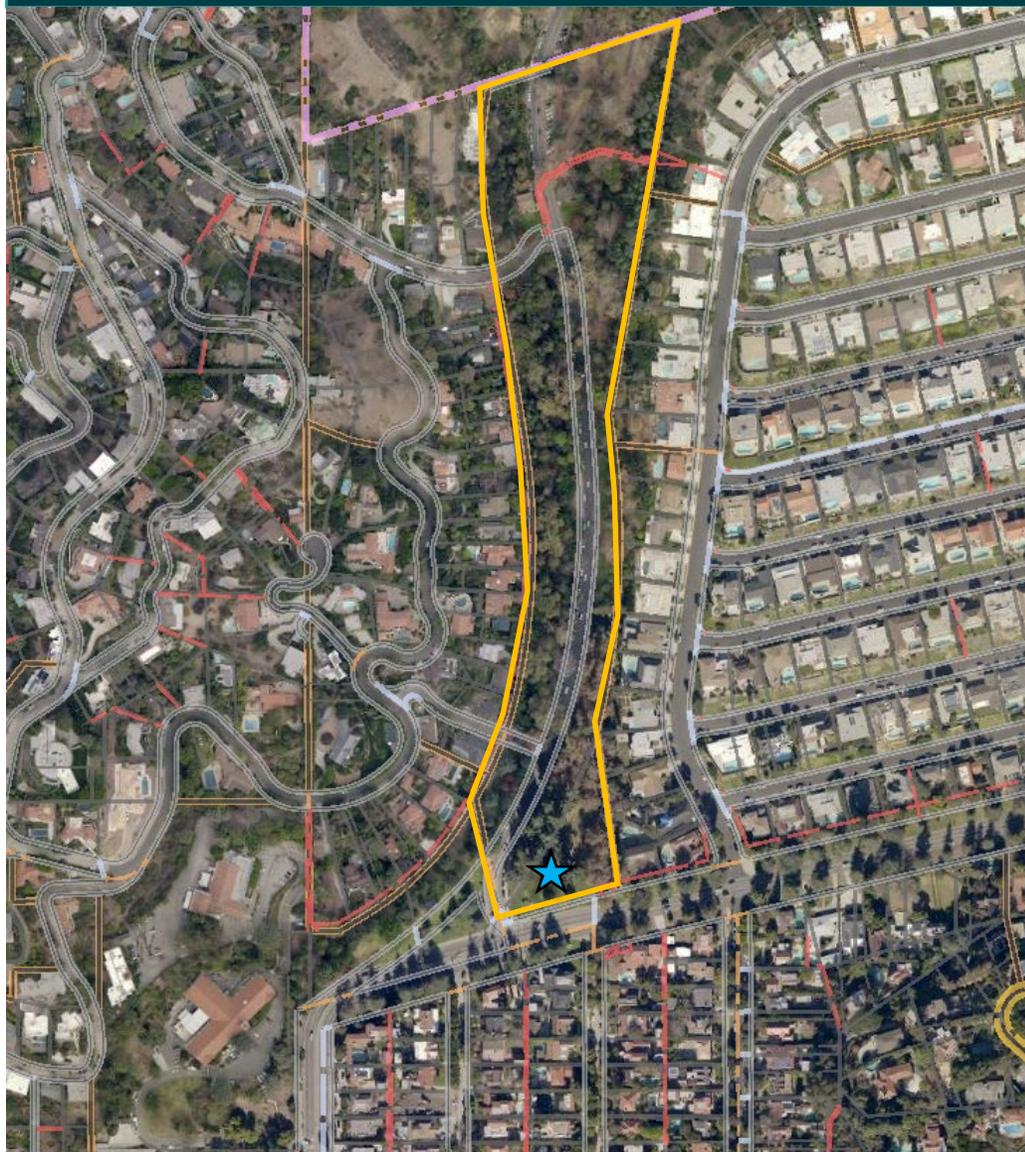
- Fern Dell is located 0.55 miles from a DAC and 0.5 miles from the LA Metro Red line.
- Fern Dell offers a public gathering space for families and social groups and is accessible to persons of all ages and abilities.



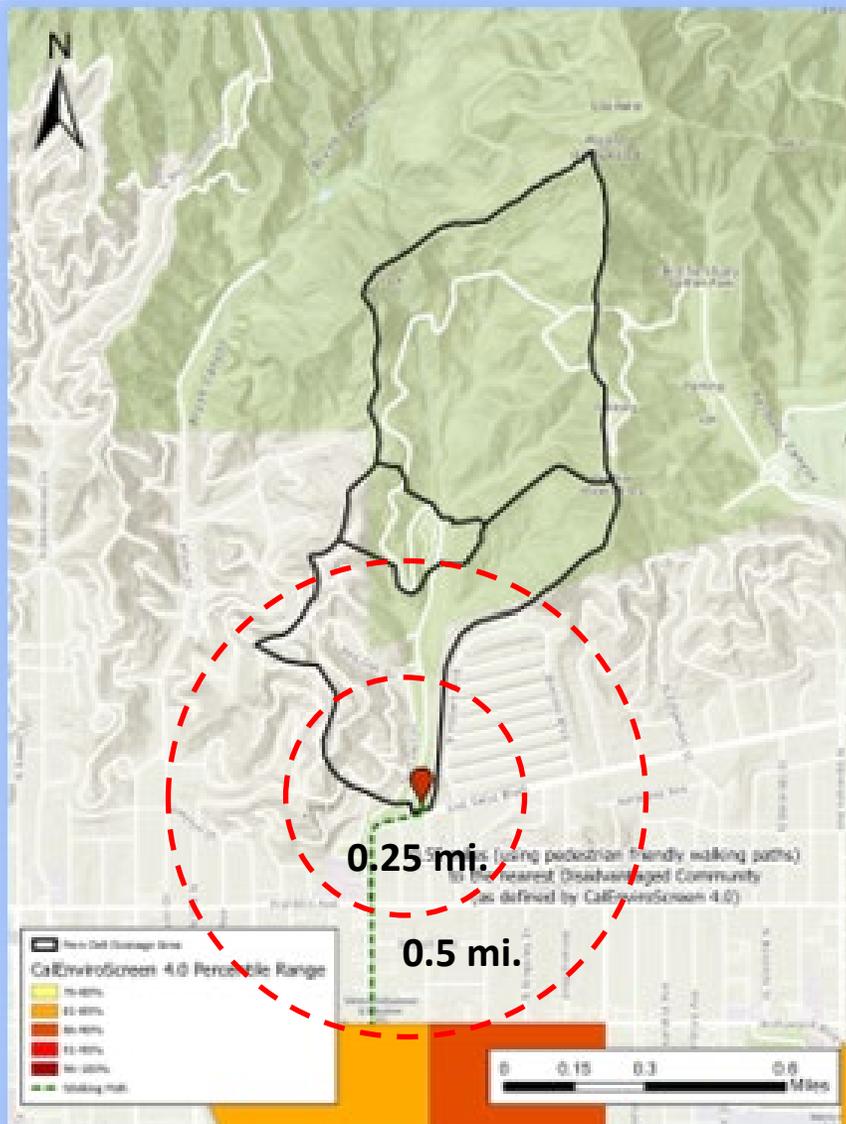
- The Project was submitted to the Greater LA IRWMP for consideration and benefits the Ballona Creek EWMP.
- **Beneficial Site Characteristics**
  - Significant drainage area size (342 acres)
  - Existing open space for Underground Storage Facility and revitalized debris basin and creek.
  - Griffith 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

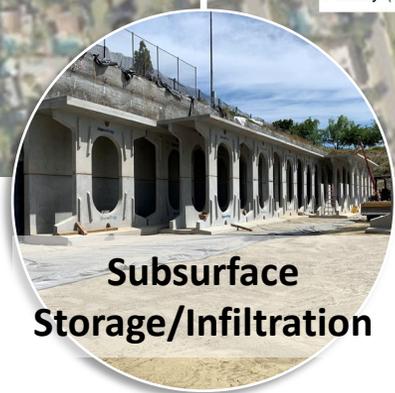


## Friends of Griffith Park Conducted Outreach

- 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***

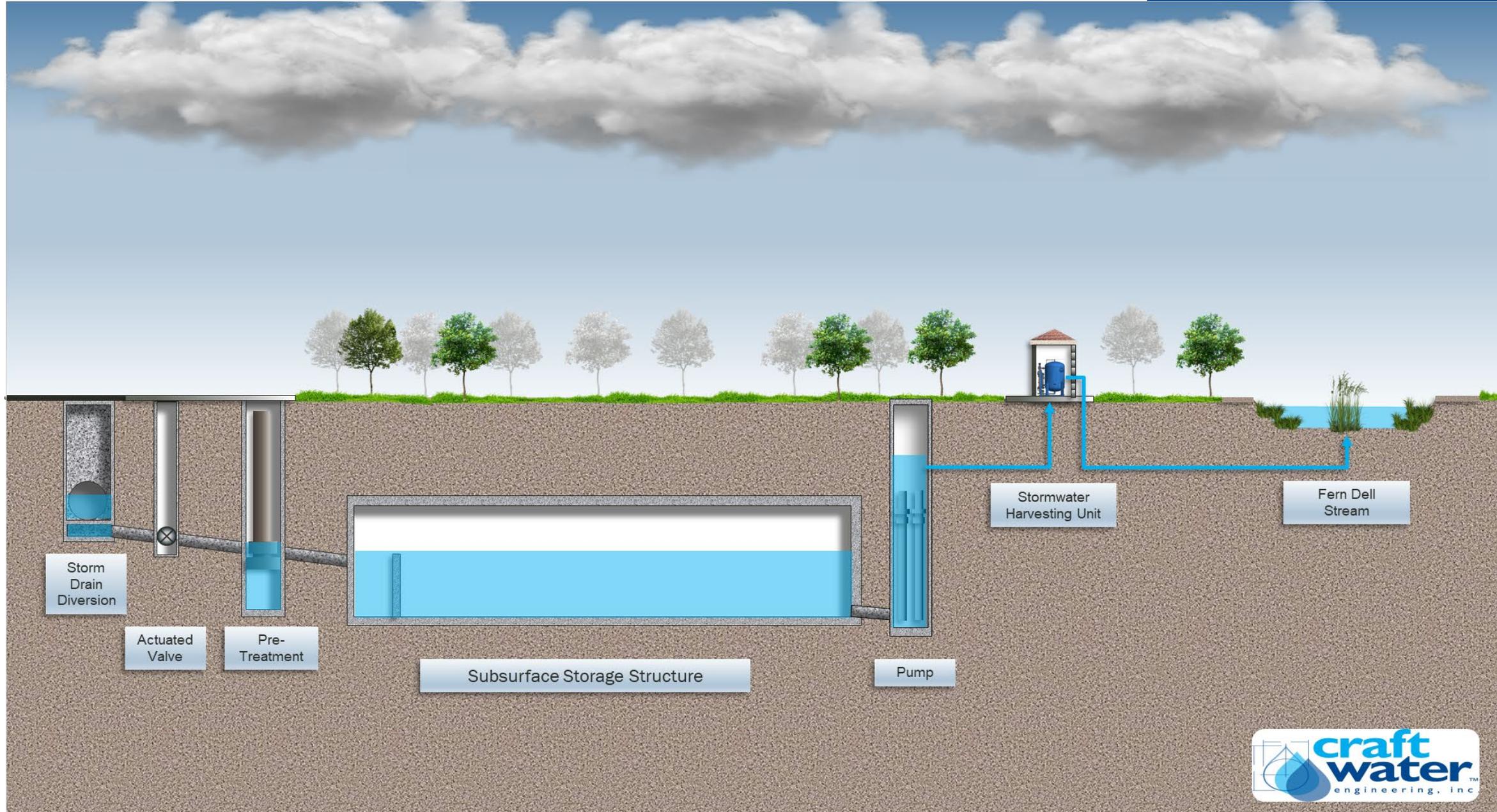


# Project Details- Site Plan



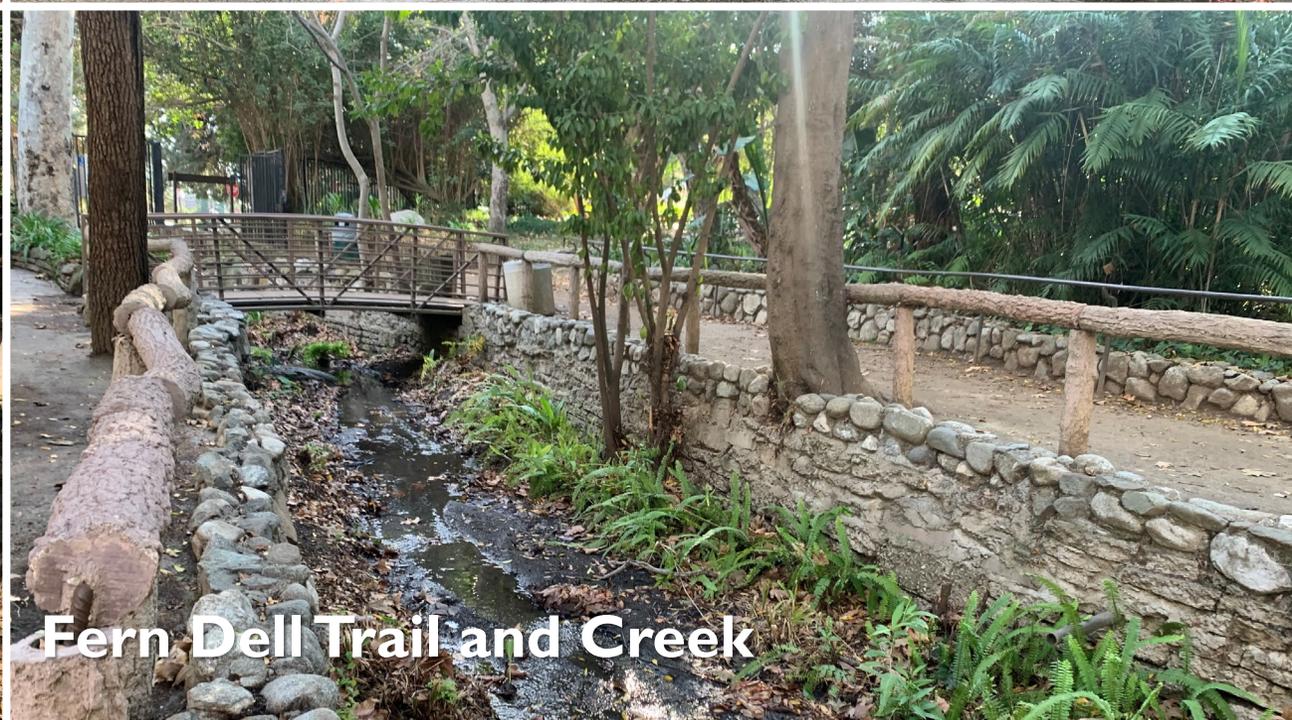


# Project Details – Schematic Diagram



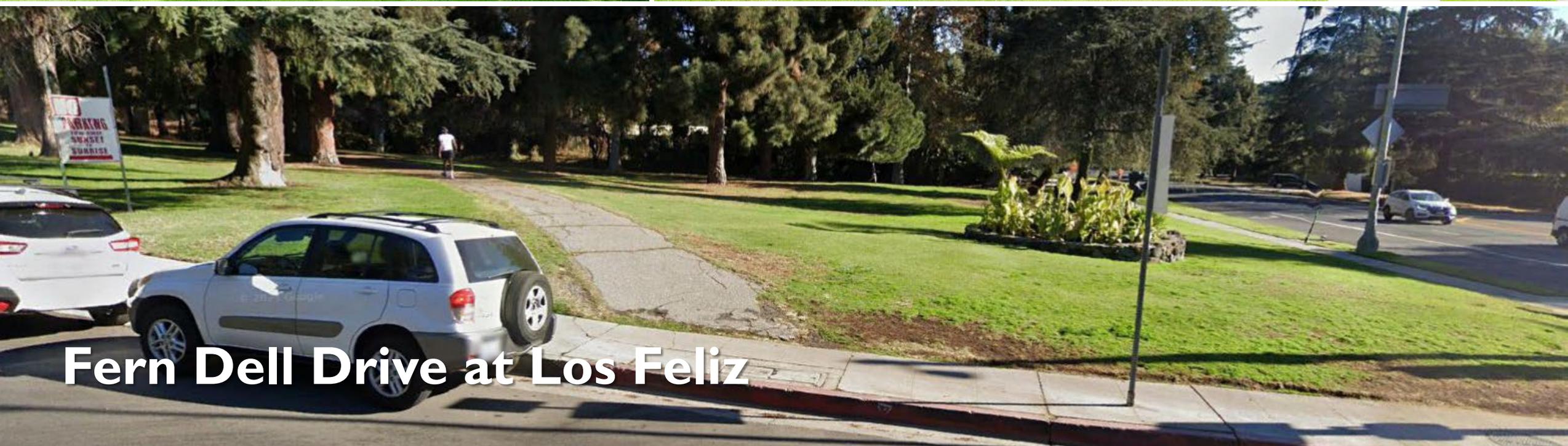


# Project Details | Existing Conditions





# Project Details | Existing Conditions



**Fern Dell Drive at Los Feliz**



# Cost & Schedule

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

## Annual Costs

<b>Maintenance Cost:</b>	\$100,000
<b>Operation Cost:</b>	\$25,000
<b>Monitoring Cost:</b>	\$15,000
<b>Project Life Span:</b>	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)
<b>TOTAL</b>	<b>\$300,000</b>		



# Questions?



friends of GRIFFITH PARK

**craft**  **water**<sup>TM</sup>  
engineering, inc.





# Ladera Heights – W Centinela Green Improvement

Infrastructure Program  
Fiscal Year 2022-2023  
Central Santa Monica Bay  
Los Angeles County Public Works  
Kara Plourde



# Project Overview

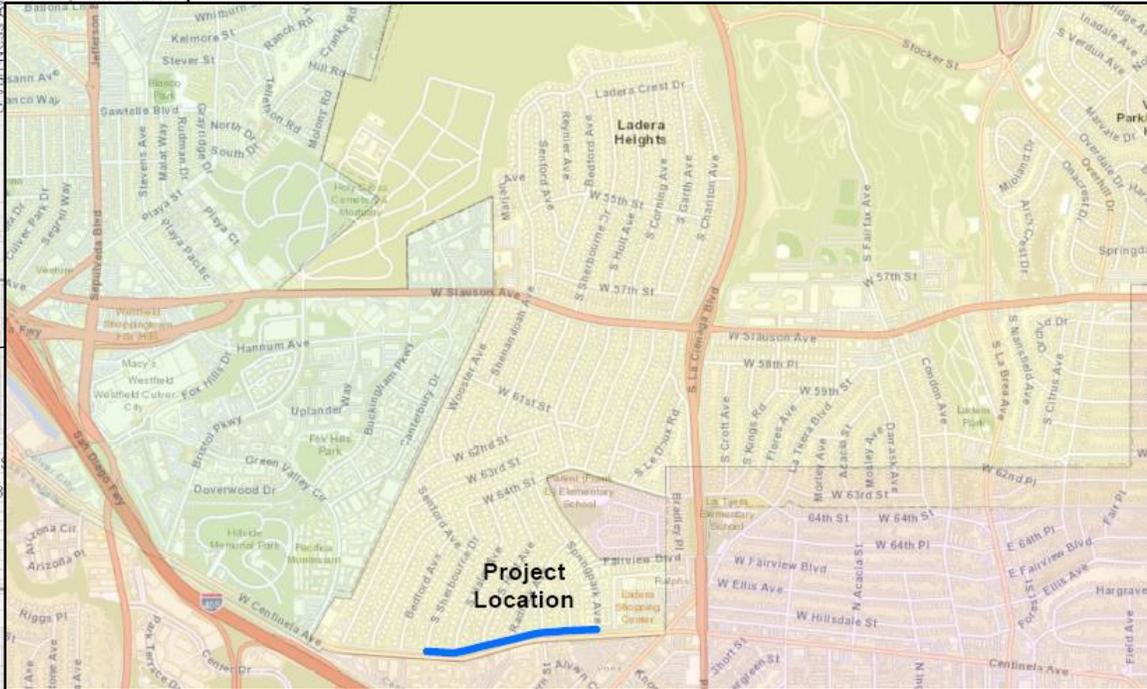
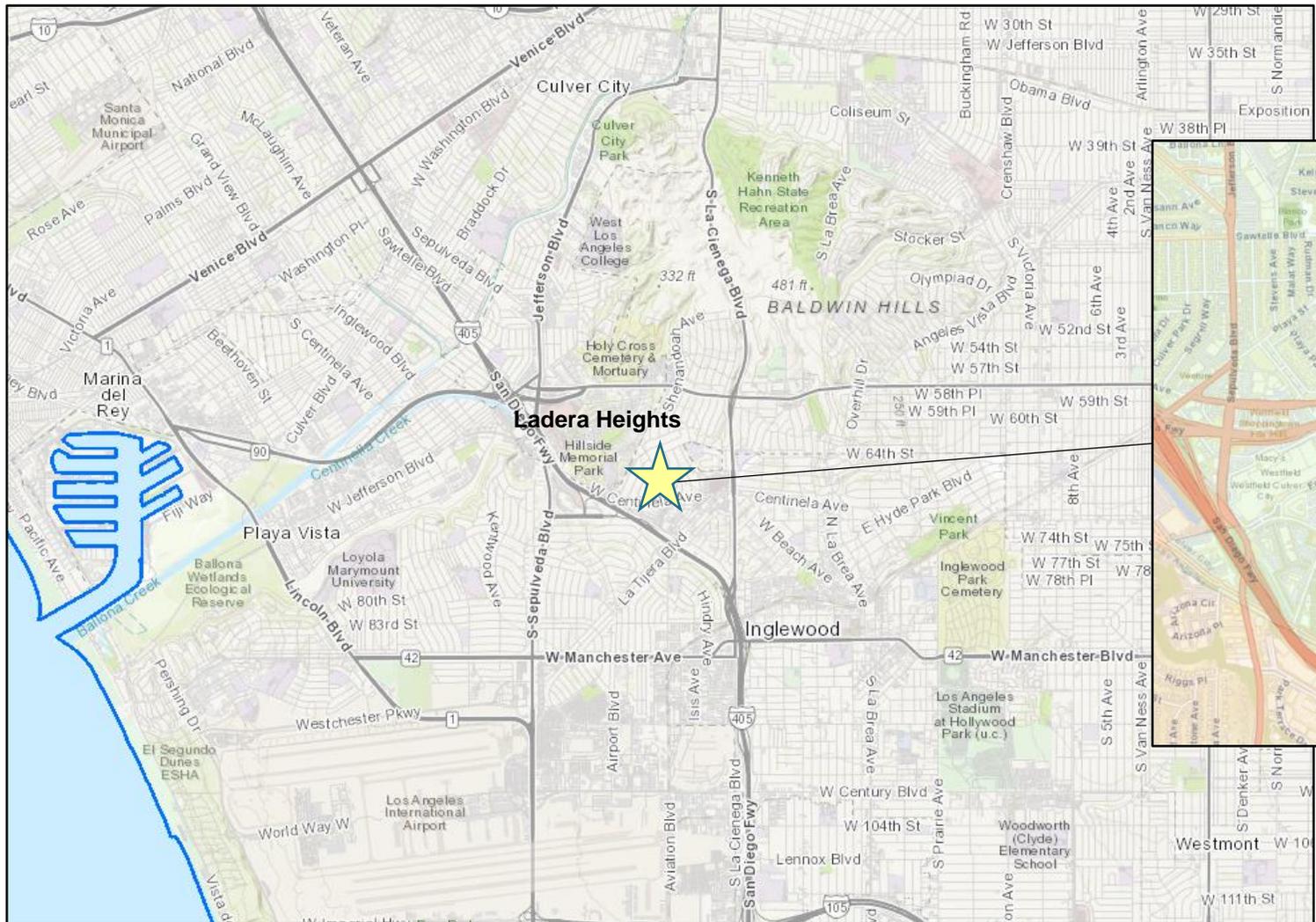
This project will infiltrate stormwater into dry wells along W Centinela Ave in Ladera Heights and install permeable pavement & bioswales.

- **Primary Objective:** Stormwater Quality Improvement
- **Secondary Objectives:** Community Enhancement
- **Project Status:** Planning
- **Phases for which SCW funding is being requested:** Design Phase
- **Total Funding Requested:** \$500,000



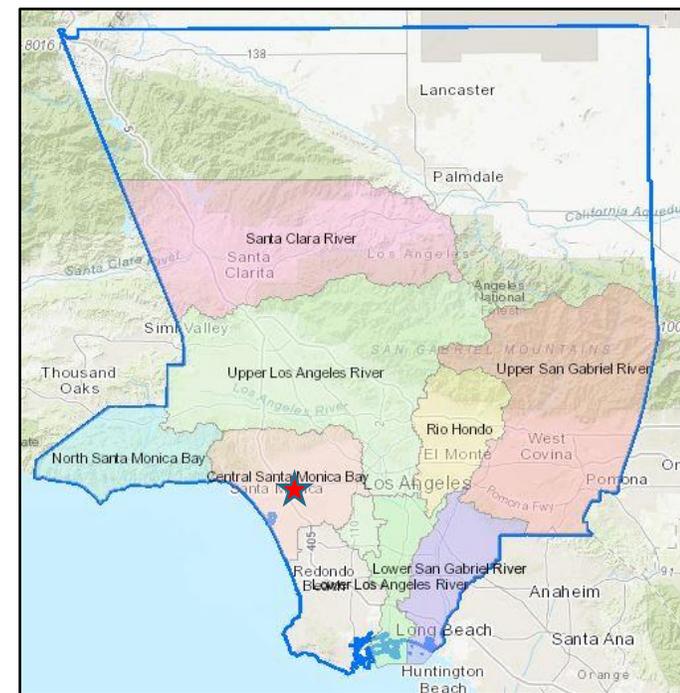
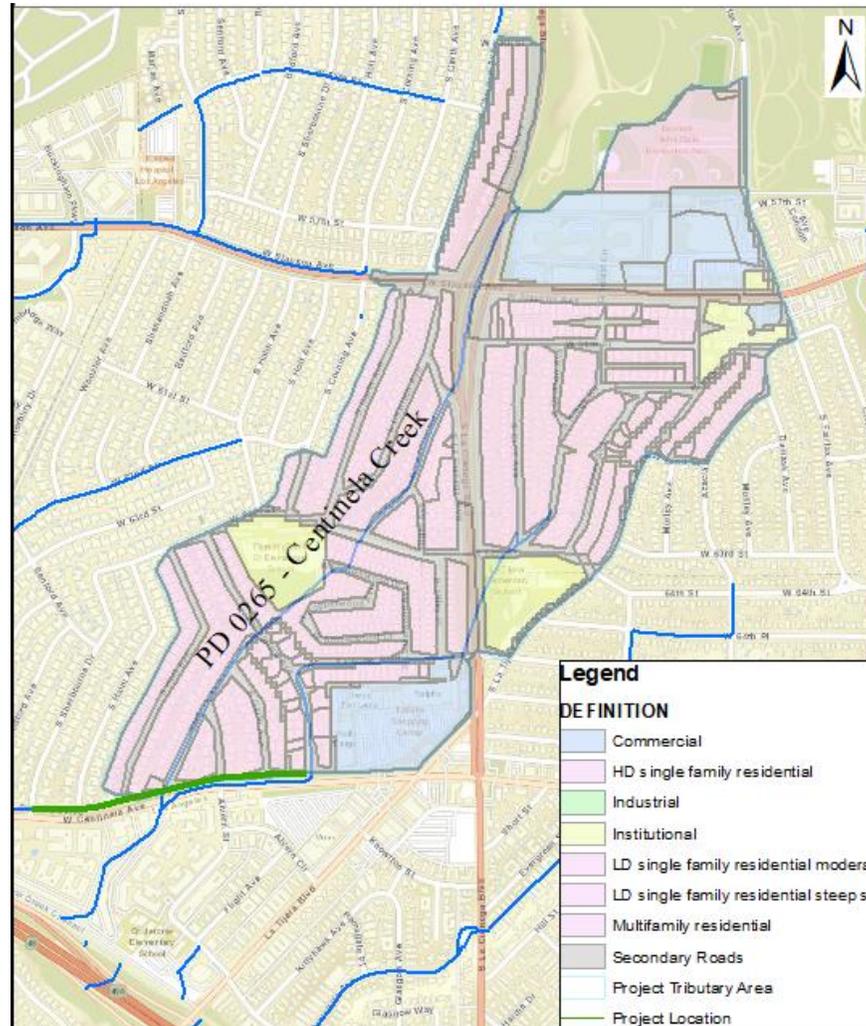
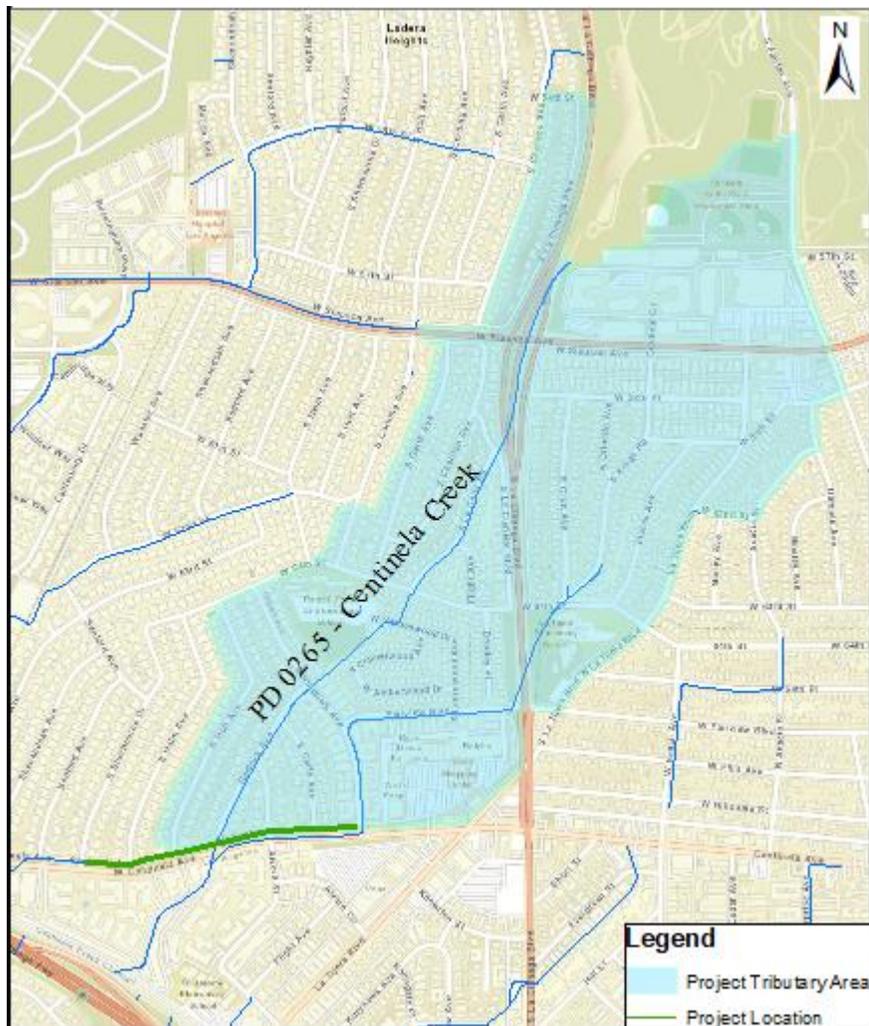


# Project Location





# Project Location



## Project Location

- Centinela Creek
- Unincorporated Community of Ladera Heights
- W Centinela Avenue between Springpark Ave and Sherbourne Dr
- Drainage Area = 307 acres
- Mostly residential and commercial



# Project Background



## Project Background:

- Most downstream for County UA, large tributary area, feasibility
- Ballona Creek Watershed Management Plan (WMP)



# Project Background



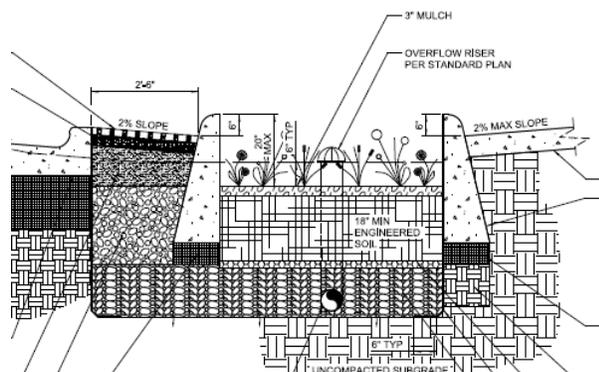
## Benefits:

### Water Quality:

- Removing pollutants from stormwater

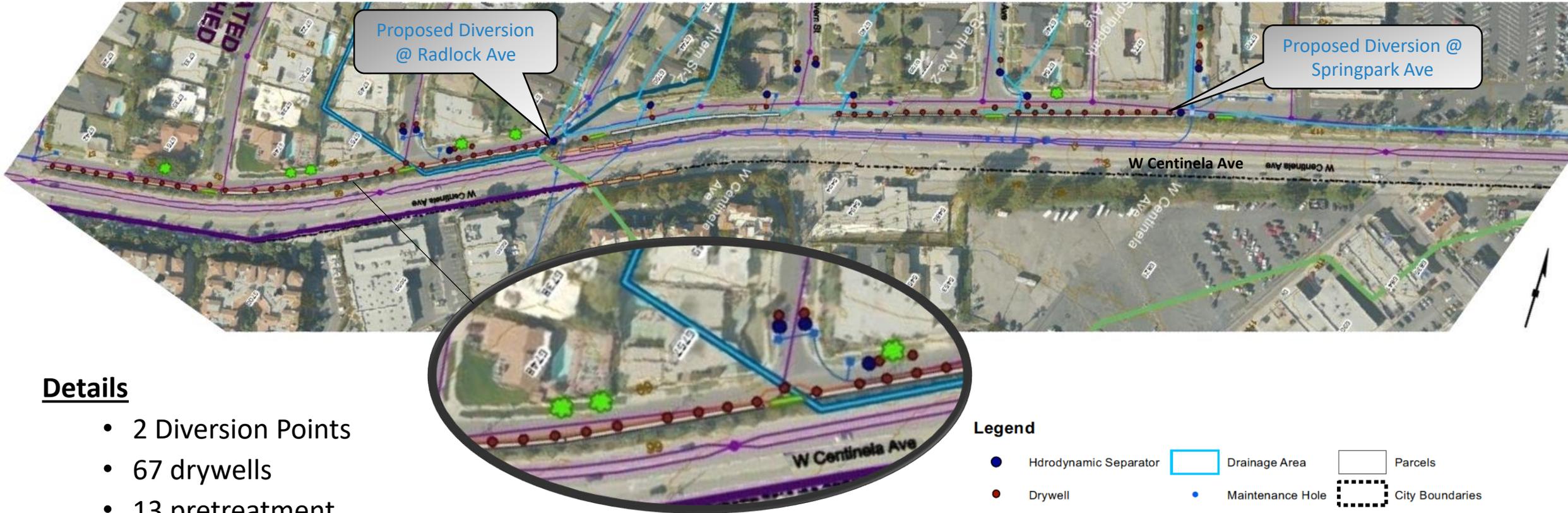
### Community Enhancement:

- Increase vegetation
- Reduce heat island effect and increase shade





# Project Details



## Details

- 2 Diversion Points
- 67 drywells
- 13 pretreatment
- Bioswales
- Pervious pavement
- Trees
- Potential to capture 17 AF of runoff



### Legend

Hydrodynamic Separator	Drainage Area	Parcels
Drywell	Maintenance Hole	City Boundaries
Pipe	Catch Basin	<b>Project Boundaries</b>
Diversion Structure	Gravity Main	Centinela Lateral
Modular Wetland	Sewer Manhole	Centinela Main
Bioretention	Sewer Pipe	Unincorporated Area Islands
Pervious Surface	Contours	West Slauson Avenue
		Tree



# Cost & Schedule

Phase	Description	Cost	Completion Date
Design	Preliminary Engineering, PS&E for stormwater components	\$1,000,000	Late 2022
Construction	Construction and construction engineering for stormwater components	\$9,500,000	Late 2024
<b>TOTAL</b>		<b>\$10,500,000</b>	

## Annual Cost Breakdown

Annual Cost:	\$1.1 M
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- Project Lifespan: 50 years
- Lifecycle Cost: \$38.5 M



# Funding Request

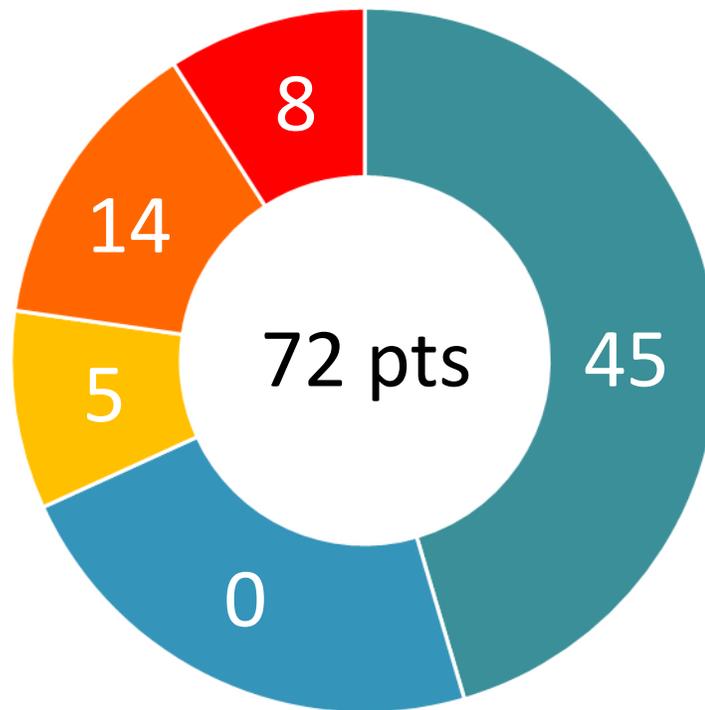
Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$500,000.00	Design	Project Design
<b>TOTAL</b>	<b>\$500,000.00</b>		

- Leveraged Funding: \$500,000 (50%)
- Future SCW Funds: Construction



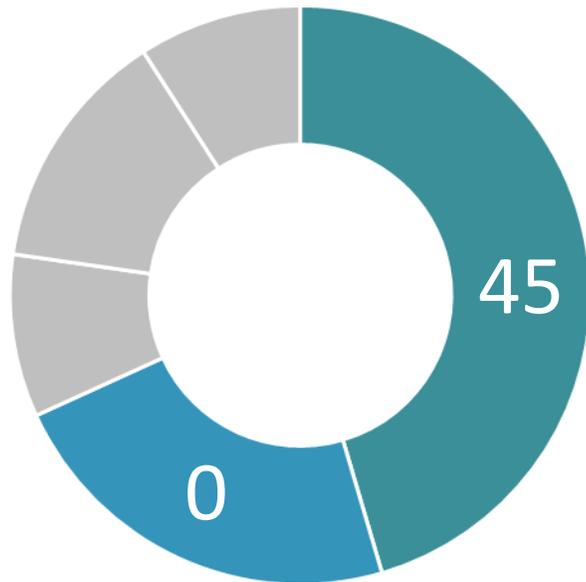
# Preliminary Score

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





# Water Quality & Water Supply Benefits



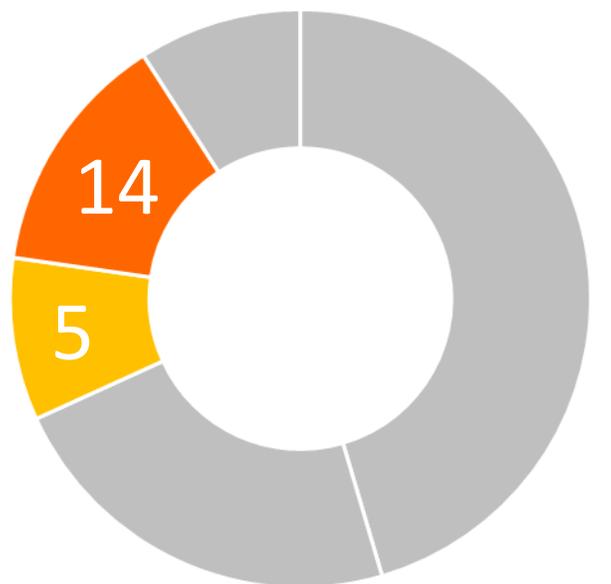
■ Water Quality

■ Water Supply

- **Water Quality Benefits**
  - Project will divert and treat wet weather runoff via:
    - Diversion Structures
    - Pretreatment Devices
    - Bioswales
    - Permeable Pavement
  - Tributary Area = 307 acres
  - Capacity = 17 acre-feet (85<sup>th</sup> percentile, 24-hour storm)
  - Pollutant Reduction (Zinc, Trash, Bacteria, etc)
  - Potential to expand the project to cover an additional 49 acres and treat additional area



# Community Investment Benefits and Nature Based Solutions



■ Community Investment Benefits

■ Nature Based Solutions

- **Community Investment Benefits**

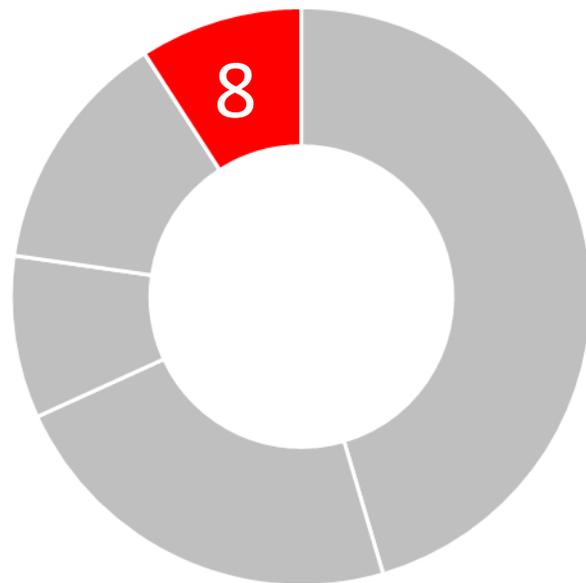
- Improve localized flooding
- Increase vegetation
- Reduce heat island effect and increase shade

- **Nature Based Solutions**

- Nature-based solutions are implemented through:
  - Bioswales with drought tolerant plants
    - Potential planting of new trees
  - Permeable paving strip



# Leveraging Funds and Community Support



■ Leveraged Funds and Community Support

- **Leveraging Funds**

- \$500,000
  - County will supplement and match any Regional Funds with Municipal Funding
- 50% funding matched
- Other Potential Sources:
  - General funds, other grants

- **Community Support**

- Met with Ladera Heights Civic Association, Ladera Heights Community Enhancement Corporation
- Community outreach will be performed prior to commencing design and construction
- Exploring alternative avenues for engagement



**Questions?**



An aerial photograph of the West Los Angeles coastline, showing the city grid, hills, and the ocean. The image is partially obscured by a dark teal overlay on the left side where the text is placed.

# West Los Angeles College Soccer Field Basin Dry Well Project

Funding Program (Infrastructure Program)

Fiscal Year 2022-2023

Watershed Area: Central Santa Monica Bay

Project Lead: Los Angeles Community College District & BuildLACCD

Presenter: Daniel Apt, Olaunu (LACCD Stormwater Consultant)



# Project Overview

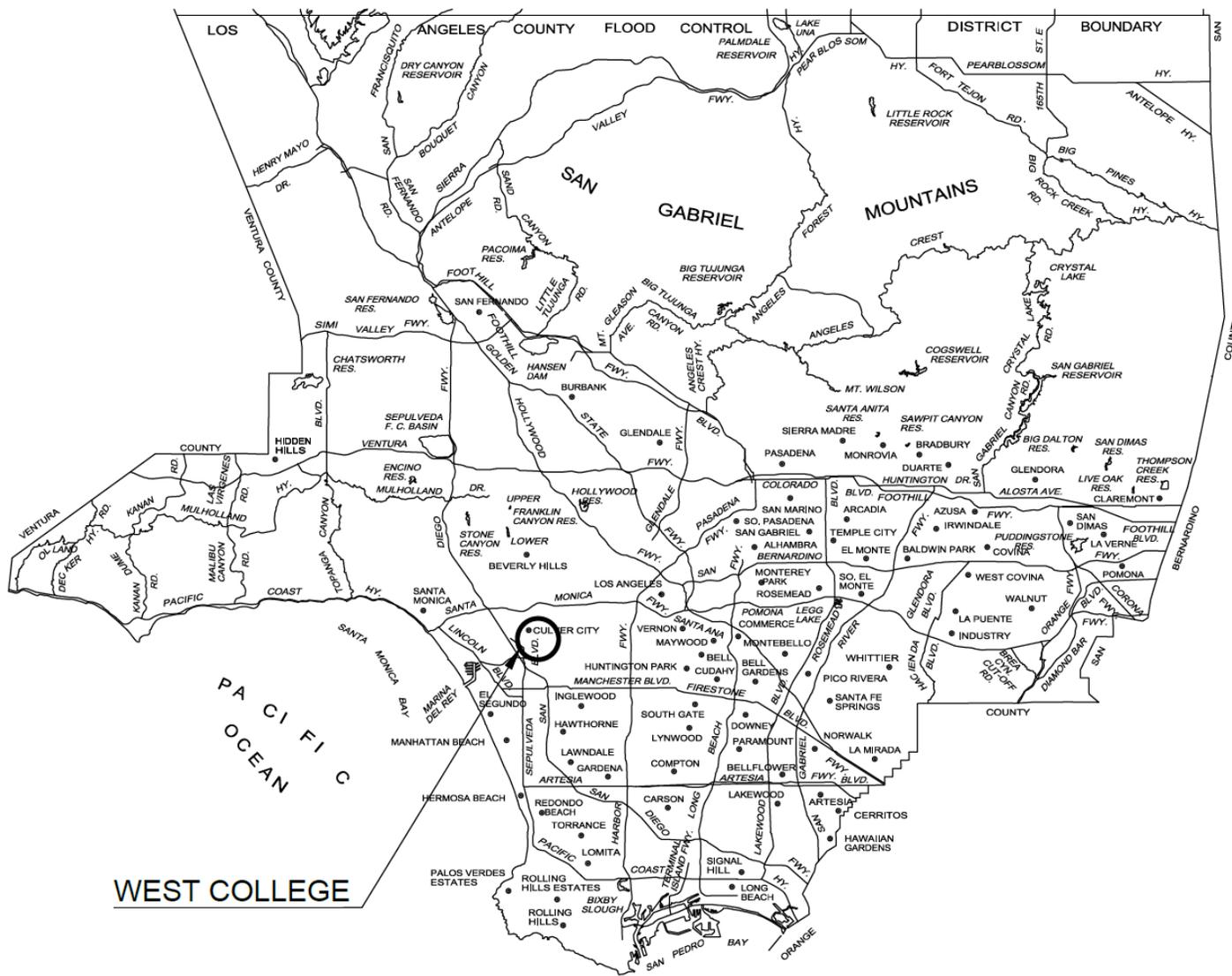
The WLAC Soccer Field Basin Dry Well Project will integrate six (6) dry wells into the existing soccer field/stormwater detention basin.

- Primary Objective: Water Quality: Assist in compliance with the Small MS4 Permit
- Secondary Objectives: Water Quality: Helps to meet compliance with downstream TMDLs
- Project Status: Phases for which SCW funding is being requested:
  - Design & Construction
- Total Funding Requested:
  - \$399,967





# Project Location



- Project Location: West Los Angeles College
- Watershed Area: Central Santa Monica Bay
- Capture Area: 36 acres
- Municipality Benefits
  - Water Quality improvement
  - Helps to meet compliance with downstream TMDLs through capture and infiltration of the 85th percentile storm event for the projects' drainage area.
- Disadvantaged Communities (DAC)
  - 1.25 Miles from WLAC
  - 55.2% of WLAC students received the College California College Promise Grant (low-income qualification)



# Project Background

- Why was the Project Location selected?
  - Existing WLAC soccer field stormwater detention basin captures more than 50% of the WLAC campus.
  - Takes advantage of existing stormwater infrastructure.
- How was the Project developed?
  - LACCD is developing stormwater projects for all of its 9 campuses
  - The West Los Angeles College Soccer Field Basin Dry Well Project has the largest drainage area of 8 WLAC stormwater projects
- Which regional water management plan includes the proposed project?
  - Submitted to the GLAC IRWMP
- Description of benefits to municipality/municipalities
  - Water quality improvement
  - Assistance in meeting downstream TMDLs
  - Recharge of groundwater - Santa Monica Basin (Concurrence from City of Santa Monica)
- Description of how the Feasibility Study or Project Concept will provide Disadvantaged Community (DAC) Benefits
  - Infiltration of the dry weather/stormwater runoff of the 85<sup>th</sup> percentile 24-hour storm event
  - Provides 12-acre feet of annual water supply - recharge of groundwater in the Santa Monica Basin
  - Enhance playing field of an existing soccer field/stormwater detention basin





# Project Details



February 19, 2020  
Project No. 19-1019

BuildLACCD Program Management Office  
1055 Corporate Center Drive  
Monterey Park, CA 91754

Attention: Mr. Don McLarty

**Subject:** Soccer Field Percolation/Storm Water Implementation Project  
West Los Angeles College  
9000 Overland Avenue  
Culver City, CA 90230

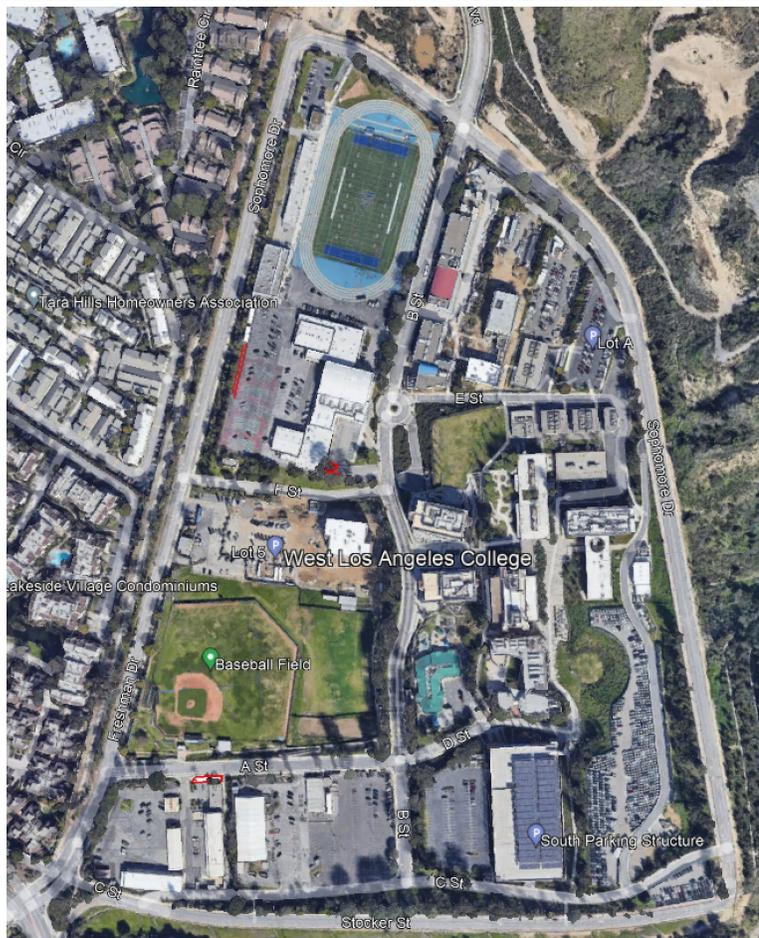
Dear Mr. McLarty:

Presented herein are the results of percolation testing performed by Koury Engineering & Testing, Inc. (Koury) for the proposed soccer field storm water implementation project at the West Los Angeles College located at 9000 Overland Avenue, Culver City, California. (See Figure A-1 for Vicinity Map showing the site with respect to adjacent streets). This study was performed to provide information for BMP stormwater project planning from a geotechnical standpoint.

The recommendations provided within this submittal are based on the results of our field exploration, laboratory testing, engineering analyses, and literature search. Our services were performed in general accordance with our proposal No. 19-1019 dated October 7, 2019.

Our professional services have been performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable geotechnical consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional advice included in this report. This report has been prepared exclusively for Los Angeles Community College District and their consultants for the subject project. The report has not been prepared for use by other parties, and may not contain sufficient information for the purposes of other parties or other uses.

Koury Engineering & Testing, Inc. (805) 606-6111 [www.kouryengineering.com](http://www.kouryengineering.com) Chino · Gardena · San Diego



## West Los Angeles College Soccer Field Basin Dry Well Project (WLAC Stormwater Project No.8)

Programming Report (Amended)



April 9, 2020  
(Amended July 30, 2021)

Prepared by:



- Current site conditions – Existing soccer field stormwater detention basin
- Completed studies/analysis – Geotechnical report & Concept design/programming report
- Description of any alternatives considered – Evaluated distributed biofiltration



# Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Planning and concept design costs associated with the WLAC Soccer Field Basin Dry Well Project	\$23,334.50	04/20
Design	Design of the 6 dry wells, modifications to the basin outlet, and storm drain connections	\$85,532.00	07/2022
Construction	Construction of the 6 dry wells, modifications to the basin outlet, and storm drain connections.	\$714,406.00	02/2023
<b>TOTAL</b>		<b>\$823,272.50</b>	

- Description of Annual Costs: Maintenance, operation, and monitoring costs
- Project Lifespan & Lifecycle Cost (Module Generated): \$1,122,208.52



# Funding Request

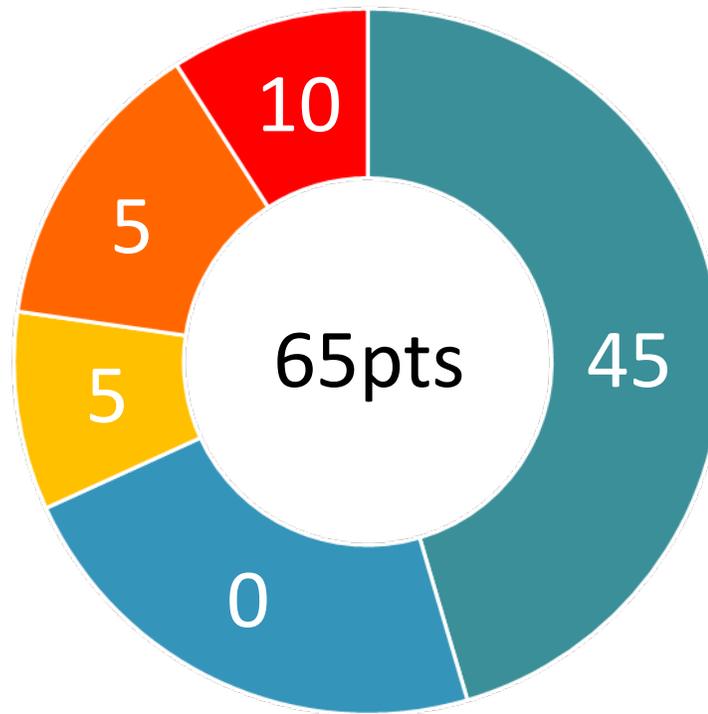
Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$42,745.00	Design	Design of the 6 dry wells, modifications to the basin outlet, and storm drain connections.
2	\$357,222.00	Construction	Construction of the 6 dry wells, modifications to the basin outlet, and storm drain connections.
<b>TOTAL</b>	<b>\$399,967.00</b>		

- Leveraged Funding amount and percent: \$399,971.00 and 50%
- Description of future potential SCW funding requests, if applicable
  - No further funding requests for the WLAC Soccer Field Basin Dry Well Project



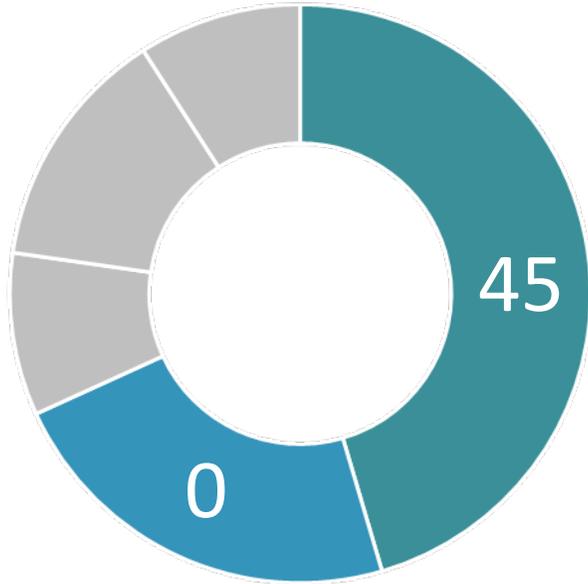
# Preliminary Score

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





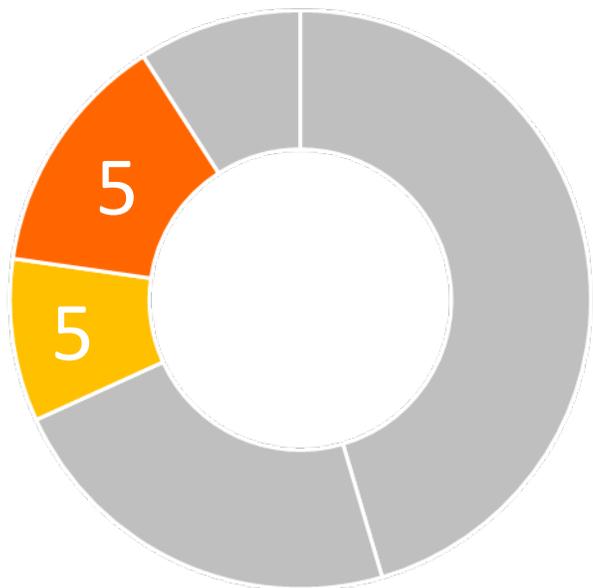
# Water Quality & Water Supply Benefits



- Primary mechanisms that achieve Water Quality and Water Supply Benefits claimed
  - Retention of the design storm volume (DSV), which is based on the 85th percentile 24-hour storm event.
- Wet/Dry runoff captured: 0.0049 cfs average dry weather
- Tributary Area: 36 acres
- Capacity: 3.3379 ac-ft
- Pollutant Reduction: 100.0 %
- Annual Water Supply Volume: 12.033 ac-ft
- Water Supply Use: water supply aquifer
- Water Supply and Water Quality Cost Effectiveness:
  - \$ 4,991.43 per ac-ft



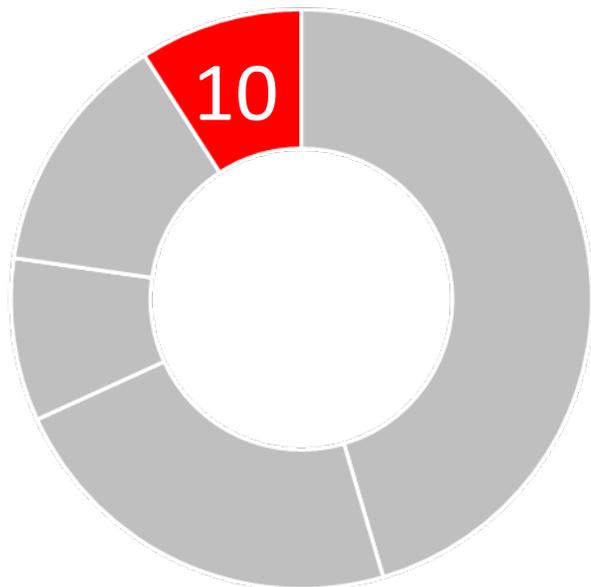
# Community Investment Benefits and Nature Based Solutions



- Community Investment Benefits
  - Reduces stormwater volumes (3.3379 ac-ft) associated with WLAC to the greater Los Angeles storm drain system.
    - Reduced volume and rate of stormwater providing flood management and flood risk mitigation.
  - Enhanced recreational opportunity
    - Eliminates dry weather runoff causing wet grass and muddy conditions in the soccer field
  - Enhanced green space at a school site that can again be used for recreation
    - Eliminates dry weather runoff causing wet grass and muddy conditions in the soccer field
- Nature Based Solutions
  - Project implements natural processes through infiltration of stormwater and mimicking natural hydrology



# Leveraging Funds and Community Support



- Leveraging Funds

- The LACCD sustainable building program is funded mainly through bond measures
- Most recently, Bond Measure CC was approved in 2016 for \$3.3 billion allocated to improvement of facilities throughout the nine LACCD colleges
- Leveraged funding amount: \$399,971
- Leveraged funding status: Commitment Received
- 50% funding matched

- Community Support

- West Los Angeles College Citizens' Oversight Committee
- Planned outreach:
  - Coordination with WLAC faculty and student groups on campus to help develop educational signage for the project
  - Further coordination with the West Los Angeles College Citizens' Oversight Committee for targeted outreach of users of the WLAC soccer field



**Questions?**

An aerial photograph of the Los Angeles coastline and city grid, showing the ocean on the left and the city extending inland to the right. The image is used as a background for the title and project information.

# Angeles Mesa Green Infrastructure Corridor Project

Funding Program (Infrastructure Program)

Fiscal Year 2022-2023

Central Santa Monica Bay

City of Los Angeles, LA Sanitation and Environment



# Project Overview

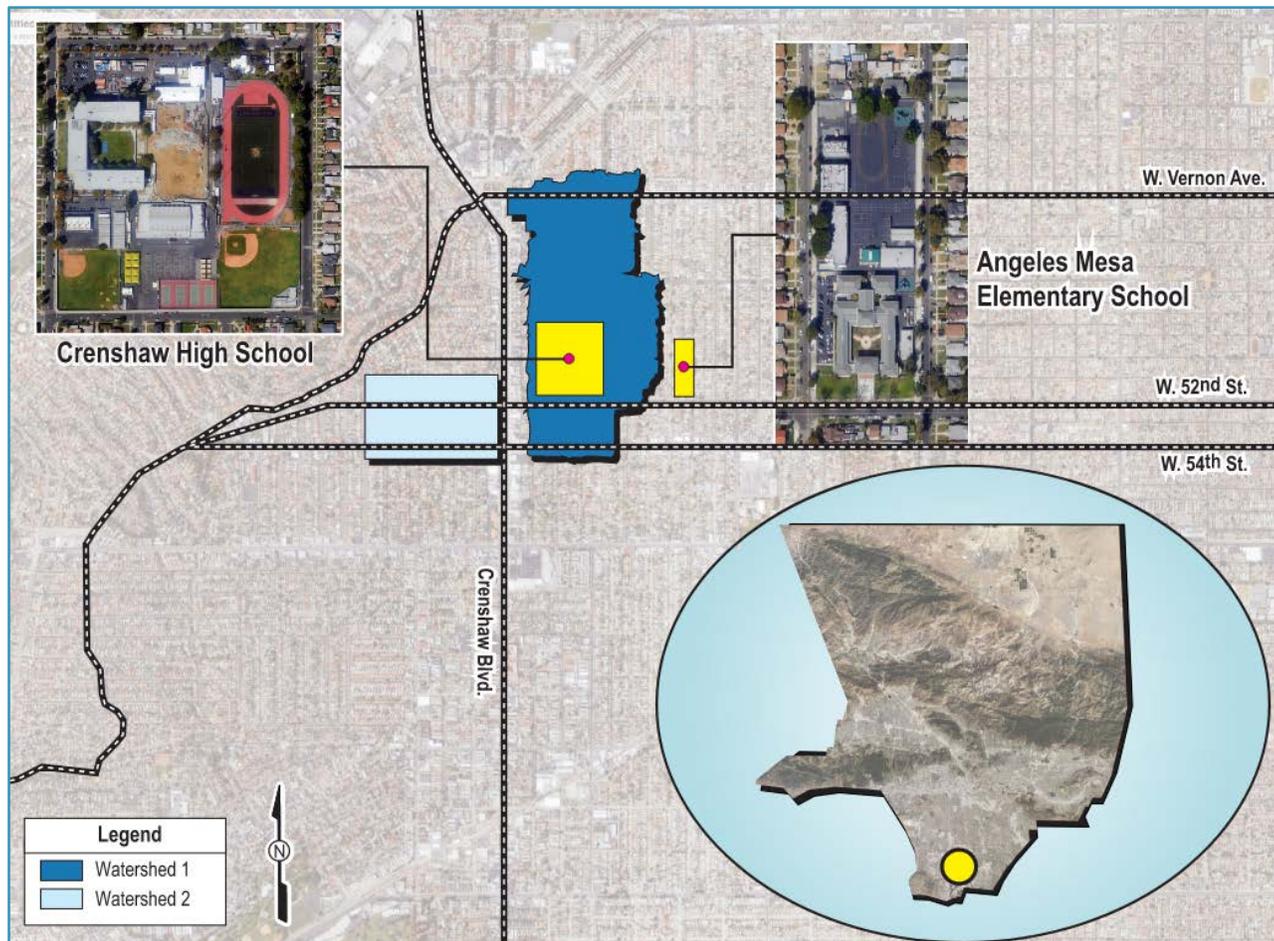
This project aims to improve water quality, mitigate floods, and restore habitat within the Park Mesa Heights neighborhood and the Ballona Creek Watershed.

- Project Objectives:
  - Improve public health and habitat
  - Install several types of stormwater capture and increase permeability
  - Community investment with nature-based solutions
- Project Status: Feasibility Report completed and funding requested
- Funding request for: Planning, Design, Construction, Maintenance
- Total Funding Requested: \$8.4M





# Project Location



Project Location

- Capture Area: 162 Acres
- Land Use: Largely commercial and single-family households
- Watershed: Ballona Creek Watershed
- Council District: 8
- Neighborhood Council: Park Mesa Heights
- Nearby Projects: Destination Crenshaw, METRO Crenshaw Line



# Project Background

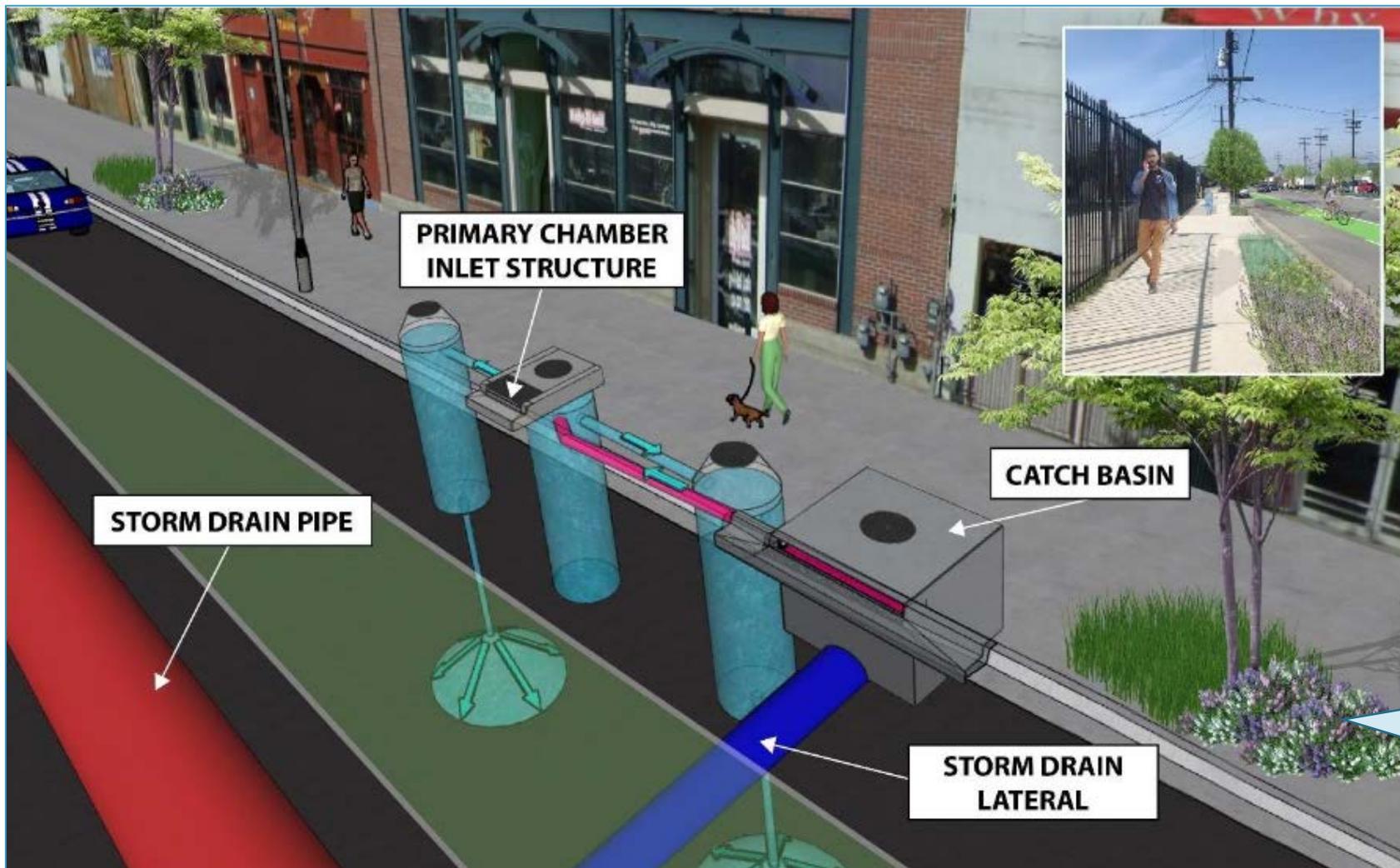
- The Project location was selected because it is located within a disadvantaged community that has High Park Needs and the area currently has minimal existing stormwater and green infrastructure.
- Project has been developed with consideration to the neighboring Destination Crenshaw Project (including improvements along the METRO Crenshaw line).



Rendering of Green Street Elements “Before” and “After” on 11<sup>th</sup> Avenue



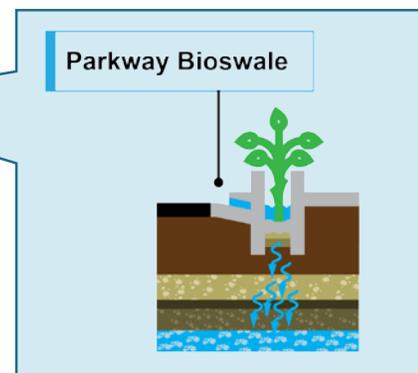
# Project Details



Project Diversion Isometric

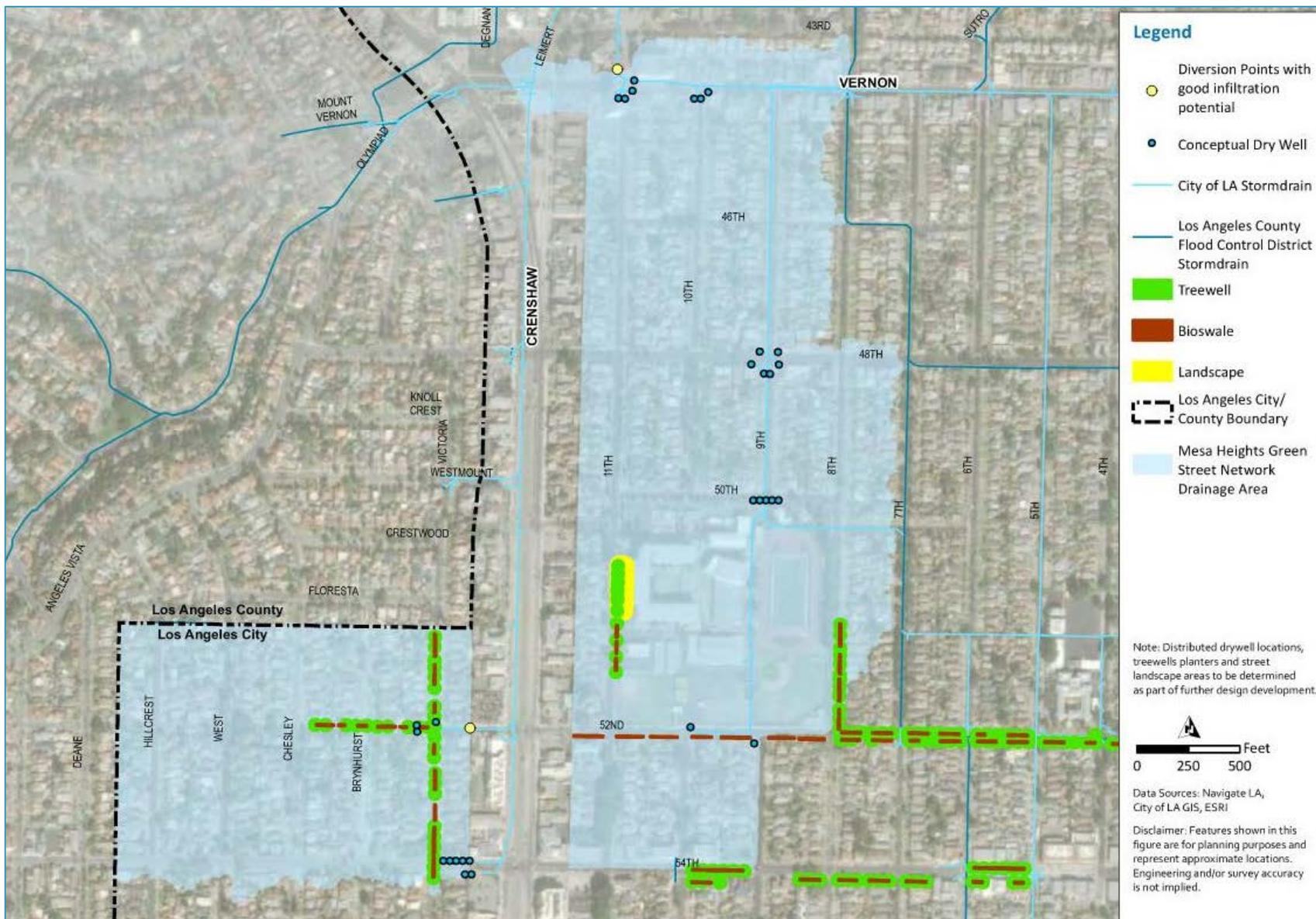
## Project to include:

- 2 diversion structures from City storm drains
- 30 drywells
- 120 new trees
- 3,000 sf of landscaping near Crenshaw High School
- 14,000 sf of bioswales and greenery





# Project Details



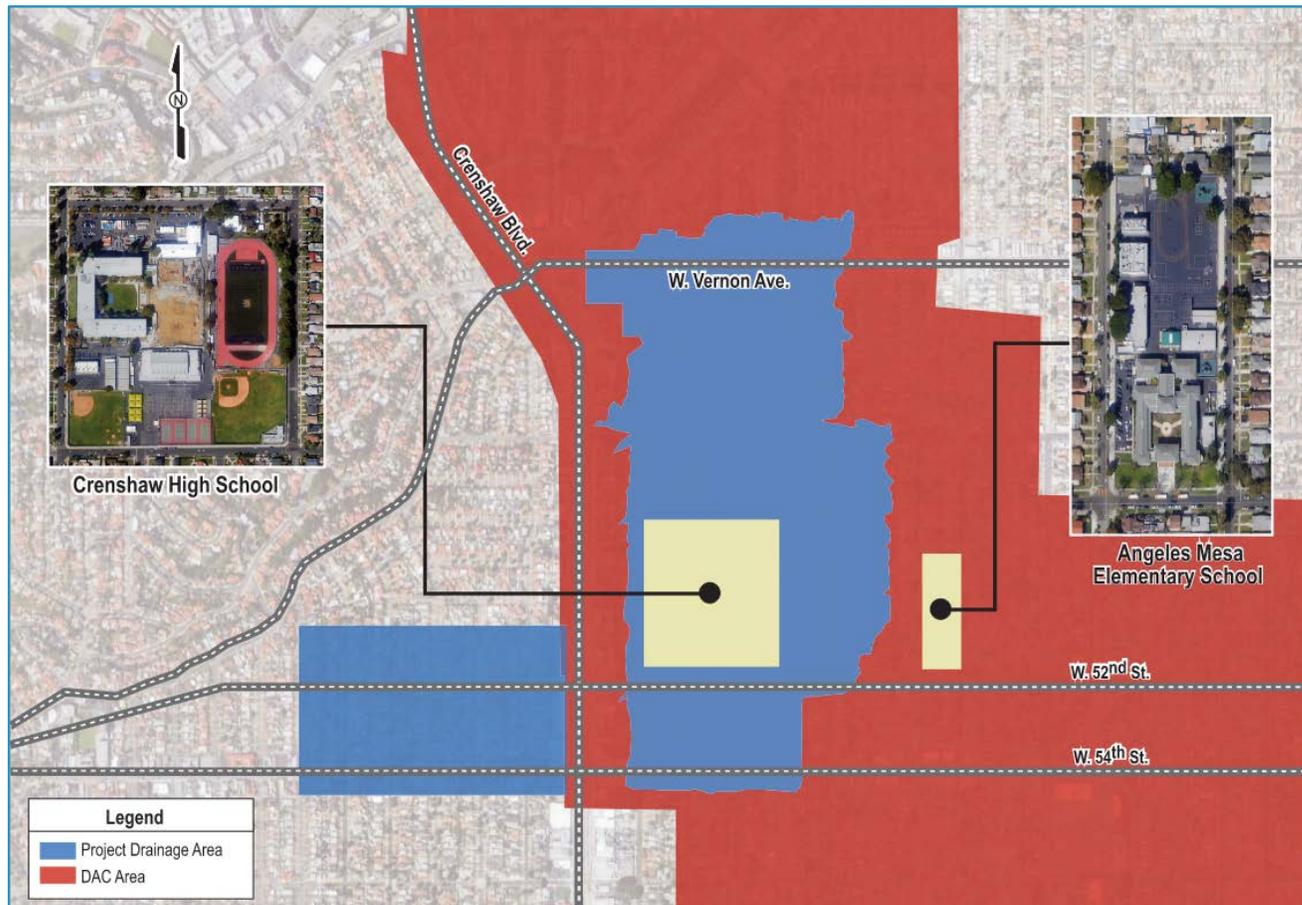
## Regional Benefits:

- Capable of capturing 146 AF of runoff annually (67 AF of wet weather runoff and 79 AF of dry weather runoff).
- Removal of 71.4% of zinc, 84.6% of bacteria, and 100% of trash from captured runoff.
- Increased water infiltration to groundwater aquifers.

Green Infrastructure Corridor Layout and Details



# Project Benefits



DAC Location Map (DAC shown in red)

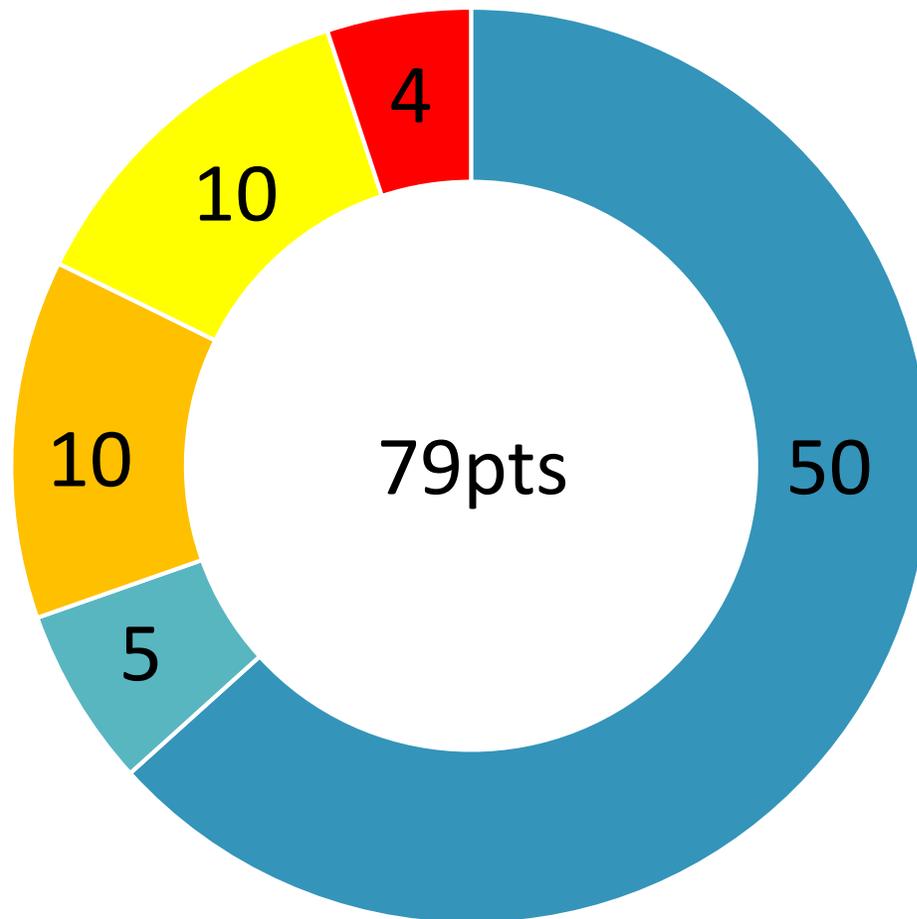
## Benefits to a Disadvantaged Community:

- Improved flood management and flood risk mitigation with use of 30 drywells to capture runoff.
- An additional 120 trees and vegetated medians/landscape boxes to provide:
  - improved air quality,
  - reduction of heat island effect,
  - increased carbon sequestration of about 95 pounds of carbon per tree annually.
- Reduction in pollutants from local runoff (84.6% of bacteria and 100% of trash).
- Increased educational opportunities about stormwater and water resources, including educational signage near schools.
- LAUSD Safe Route 2 School Analysis was considered and incorporated.



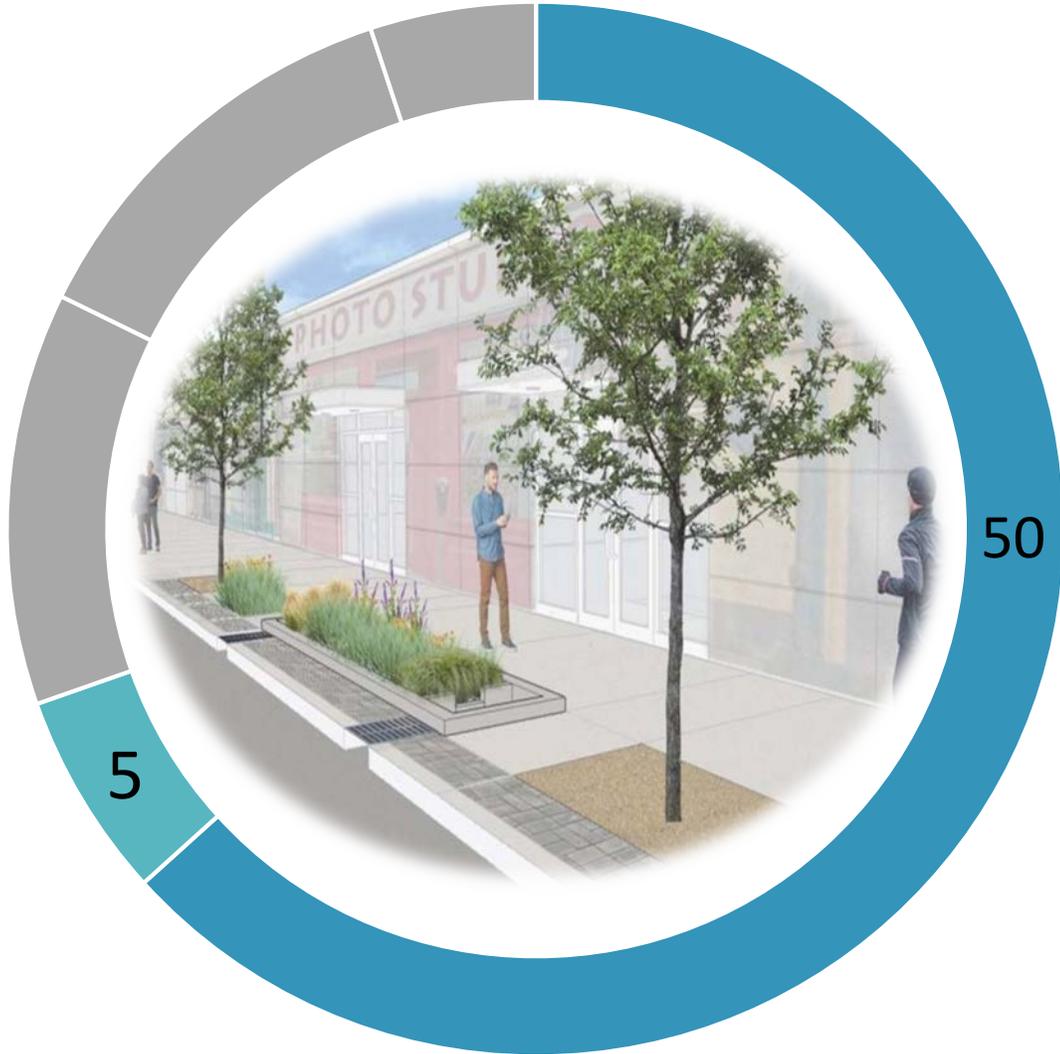
# Preliminary Score

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





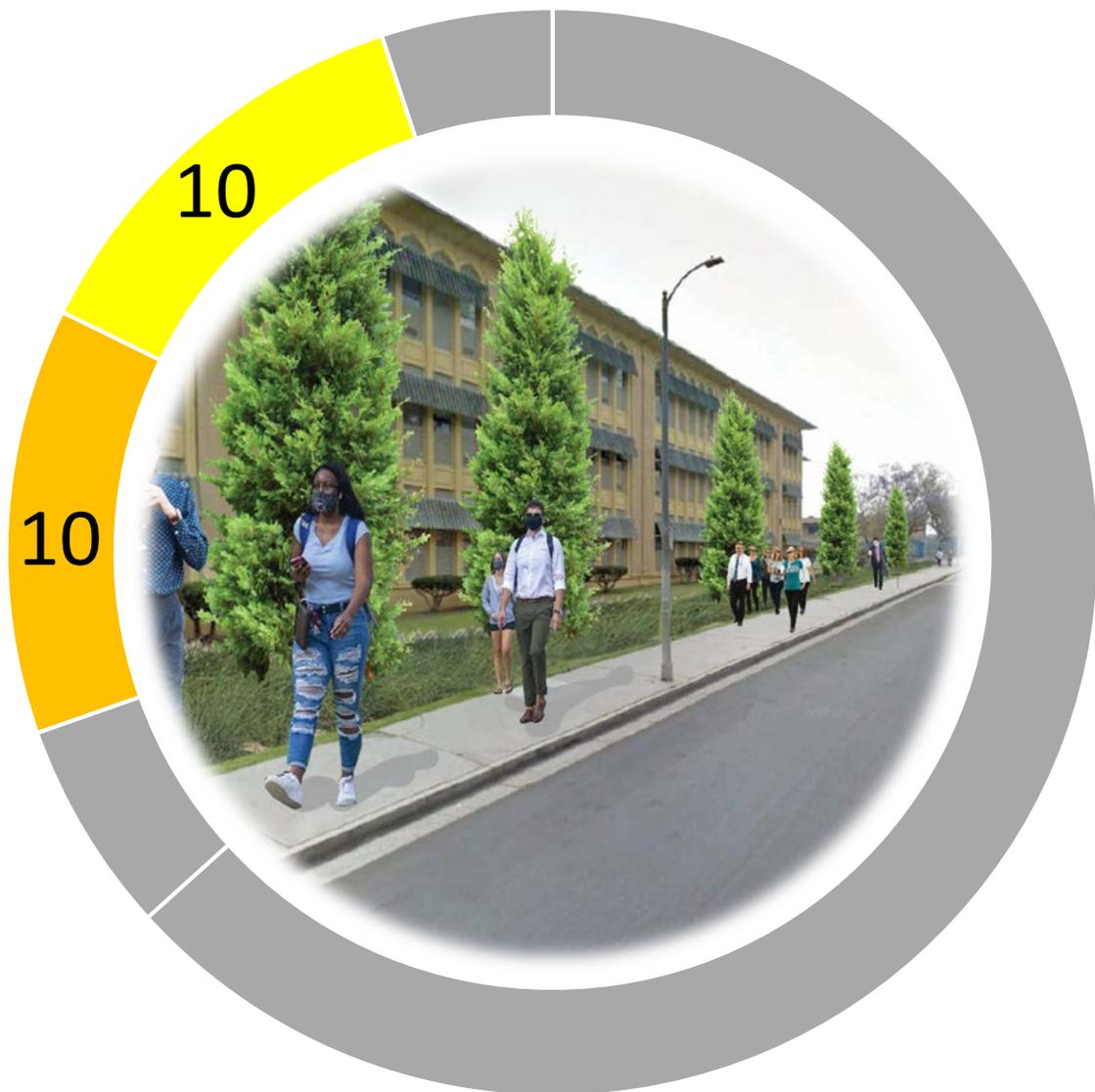
# Water Quality & Water Supply Benefits



- 85<sup>th</sup> percentile storm volume: 8.2 AF
- With project capital cost of \$8.18M, water quality effectiveness results in 1.002 AF/\$-Million
- 84.6% primary pollutant load (bacteria) and 100% secondary pollutant load (trash) reduction
- 146 AF/yr of water capture
- Water supply cost effectiveness of \$3,221/AF



# Community Investment Benefits and Nature Based Solutions



## Community Investment Benefits

- Improved flood mitigation, restoration of parks, enhanced recreational opportunities, increasing shade (approximately 60,000 sf of new canopy), carbon sequestration, and greening at schools

## Nature Based Solutions

- Parkway planters, trees, and other green street elements will be designed following natural processes to slow water and allow infiltration to the aquifer
- Drywells will use the natural process of infiltration of water to the aquifer
- An increase in native vegetation, with vegetated areas incorporating CA-native plants and CA-friendly vegetation



# Leveraging Funds and Community Support



## Leveraging Funds

- At this time, the City has not identified potential funding opportunities outside of the SCW program

## Community Support

- Letters of support have been received from the City of LA's Council District 8 and from Destination Crenshaw
- The City has hosted 3 community outreach webinars (Oct. 25, Nov. 10, Nov.13) and briefed Crenshaw High School
- Project information has been published on the Park Mesa Heights NC website, through Nextdoor campaigns, and LASAN social media



# Cost & Schedule

Phase	Description	Cost	Estimated Completion Date
Planning	Engineering, Legal, & Administrative (ELA)	\$43,550	03/2022
Design	ELA	\$1,000,000	06/2023
Construction	Construction of BMPs	\$7,137,882	10/2026
Monitoring	Annual Cost of \$30k for First 4 years	\$120,000	10/2027
O&M	First year of annual O&M is requested for FY26/27	\$100,000	-
<b>TOTAL</b>		<b>\$8,401,432</b>	

- Project Lifespan of 50 years
- Annualized Life-Cycle Cost of \$274,273/year



# Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$573,550	Planning, Design, and Monitoring	Preliminary design and baseline monitoring, YR1-FY22/23
2	\$530,000	Design and Monitoring	Final design and baseline monitoring, YR2-FY23/24
3	\$3,598,941	Construction and Monitoring	Start of construction, continued monitoring, YR3-FY24/25
4	\$3,598,941	Construction and Monitoring	Construction completion, project effectiveness monitoring, and long-term O&M, YR4-FY25/26
5	\$100,000	First year of regular O&M	Operation and Maintenance, YR5+
<b>TOTAL</b>	<b>\$8,401,432</b>		



Questions?