

**Measure W – Safe, Clean Water Program  
Administrative Oversight Committee (AOC)**

Thursday, September 9, 2021

Members Present: Matthew W. Szabo, City Administrative Officer, Chair (CAO)  
Matias Farfan, Chief Legislative Analyst (CLA)  
Mary Hodge, Office of the Mayor (MO)

Staff Present: Sarai Bhaga, City Administrative Office (CAO)  
Jessica Quach, City Administrative Office (CAO)  
Rafael Prieto, Chief Legislative Office (CLA)

The meeting was called to order at 11:24 AM.

1. General Public Comment, Multiple Agenda Item Comment

Public comment held.

2. Approval of the Minutes from prior meeting on May 13, 2021

**Action:** Approved

3. Discussion and Possible Action: Status Update by Departments

Staff from the Bureau of Sanitation (Bureau) gave a summary of the Municipal and Regional Programs as well as an update to the MS4 permit. The Regional Water Quality Control Board (RWQCB) approved the new permit on July 23, 2021 and is effective on September 10, 2021. The new permit has a few changes such as the addition of Ventura County and bi-annual reporting. In addition, there is a potential for increased enforcement. The Bureau is working with the RWQCB to address time schedule orders and extensions and is currently updating watershed management plans to demonstrate how the City will meet compliance. On the regulatory side, the watershed management plans will be used to identify areas suitable for projects and leverage SCW funding and partnerships with other City agencies for implementation.

The City received the first year of funding in 2021 which has triggered annual reporting obligations such as a financial report which is due on October 1, 2021. The Bureau submitted the annual work plan on April 1, 2021 and expects a disbursement of \$37 million by end of September 2021.

The Bureau submitted regional transfer agreements for Round 1 projects, received \$12.4M for the first year of funding, and submitted quarterly reports to the County of Los Angeles Department of Public Works (County). The scope of work and transfer agreement addendums for Round 1 projects are due on October 29, 2021. The Los Angeles County Board of Supervisors are scheduled to approve the Stormwater Investment Plans. The scope of work for Round 2 projects is also due on October 29, 2021 and the disbursement of funds for the first year of Round 2 project funding is anticipated between January and March of 2022.

The Bureau presented a summary of funding secured for projects, operations and maintenance, and special studies requests for the Round 1 and 2 Regional Program. The Summary included breakdowns by department and watershed. In addition, the Bureau presented an update on Round 3 projects. The Bureau, along with the Working Group, is

currently working on identifying funding for future projects. Since funding for Rounds 1 and 2 have been committed, future projects may not have as much funding available. Several projects have been submitted within the City's limits, but not by City agencies. The Bureau has identified the need for guidance to address processes so that the Bureau is aware of projects and can strategize better within a watershed. The Bureau presented a timeline for project development and approval.

The County is currently working on guidance for projects with water supply components, are within disadvantaged communities, and nature-based solutions as a project component. In addition, Watershed Coordinators have been chosen for each watershed.

The committee requested information regarding a plan for outreach to non-City agencies who intend to apply for projects and the process for developing projects. Watershed advocates within the Bureau act as liaisons to Council Districts and can help develop and prioritize projects. Within the Bureau, projects are chosen based on regulatory documents. Potential projects are scored by working group using scoring tool and ranked. Concept reports are developed and projects are identified as either municipal or regional projects.

The committee also discussed whether or not there is an opportunity to move funds between project allocations. The Bureau responded that it is up to applicant to submit a scope of work addendum to the County and that funding is project specific.

The committee requested information regarding the Department of Water and Power's (DWP) process for developing projects. Staff from DWP responded that projects focus on water supply and are developed for multi-benefits. An example of multi-benefit projects are those that are part of DWP's parks program with the Department of Recreation and Parks. As a water agency, DWP has more agencies to potentially partner with for projects.

**Action:** No action.

4. Discussion and Possible Action: Letters of Support/No Support

Staff from the Office of the City Administrative Officer gave an overview of the letters of support requirement. The committee discussed how many letters are estimated to be received. The Bureau stated that seven to 10 requests were received for Round 3 of the Regional Program and to expect at least 10 requests per round. Recommendation to direct staff to report back on process for submission of letters of support/no support to be discussed at a future meeting.

**Action:** Approved.

5. Discussion and Possible Action: Other Committee organizational matters

Cancellation of September 30, 2021 regular meeting.

**Action:** Approved.

Meeting adjourned at 12:11 PM.

# Measure W: Safe Clean Water Program



**LA Sanitation & Environment**  
**October 28, 2021**

**Barbara Romero**  
*Director and General Manager*  
**LA Sanitation & Environment**



# Schedule: FY 23/24 (Rd 4 Tentatively)





## **LASAN Round 4 Project Recommendation:**

### **Lorena Matos, LA Sanitation & Environment Landscape Architect**

- Rampart Village Stormwater Infrastructure
- Arminta Green Stormwater Infrastructure
- Baldwin Vista Stormwater Infrastructure
- Sylmar Channel
- Harbor Area Neighborhood Green Infrastructure

### **Wing Tam, LA Sanitation & Environment Senior Environmental Engineer**

- Hollenbeck Park Lake Rehabilitation
- Imperial Highway Green Improvements

# Rampart Village Stormwater Infrastructure (aka S. Union)

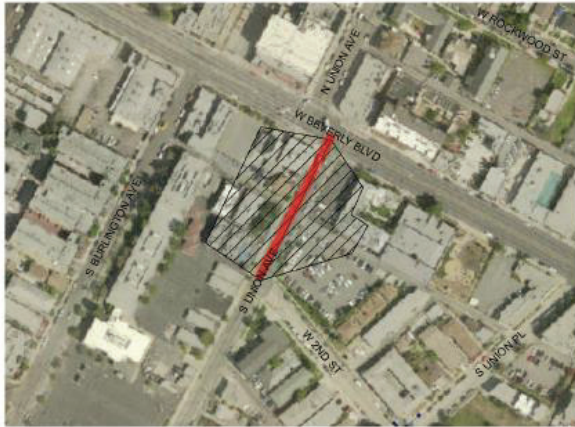


FIGURE 3. SOUTH UNION AVENUE CATCHMENT PROJECT EXTENTS

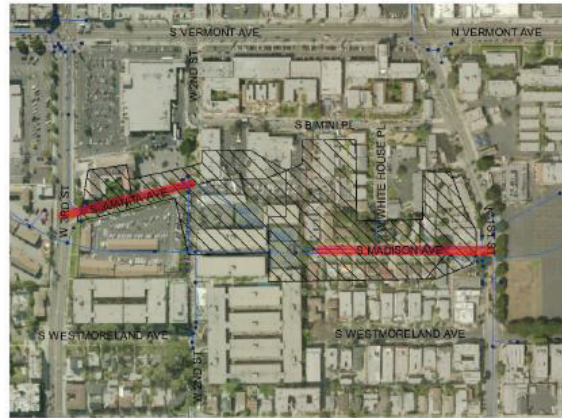


FIGURE 2. JUANITA AVENUE AND MADISON AVENUE PROJECT EXTENTS

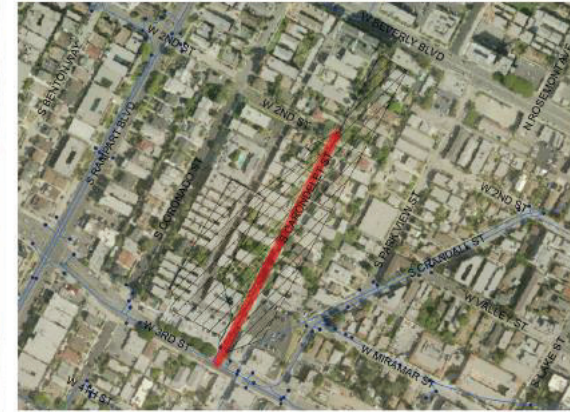


FIGURE 1. SOUTH CARONDELET STREET PROJECT EXTENTS

## Project Location

Council District	13
Streets	South Union Avenue between Beverly Boulevard and 2nd Street
	South Carondelet Street between 2nd Street and 3rd Street
	South Juanita Avenue at West 3rd Street
	South Madison Avenue at West 1st Street

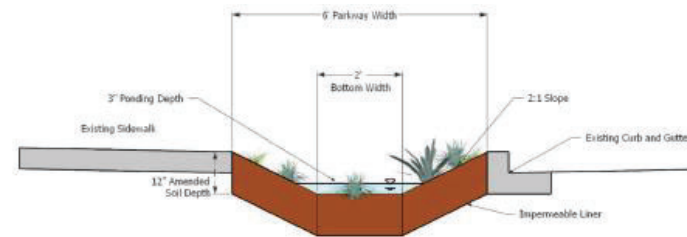
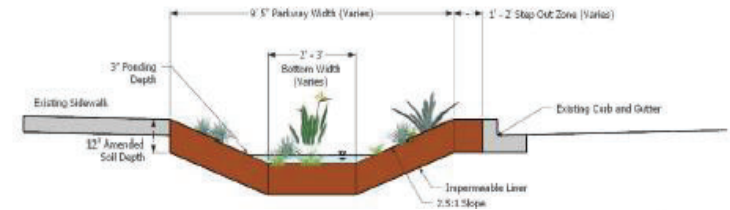
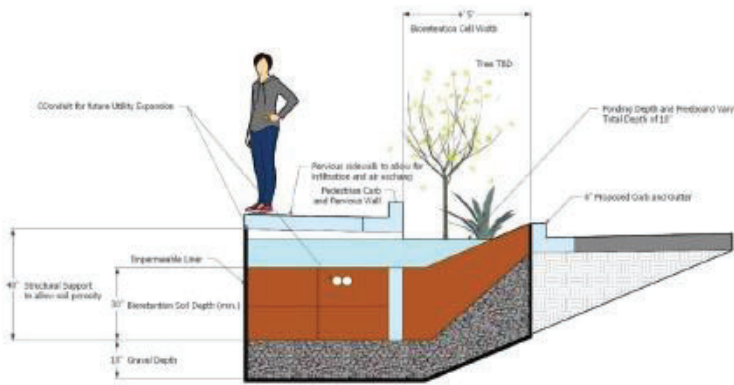
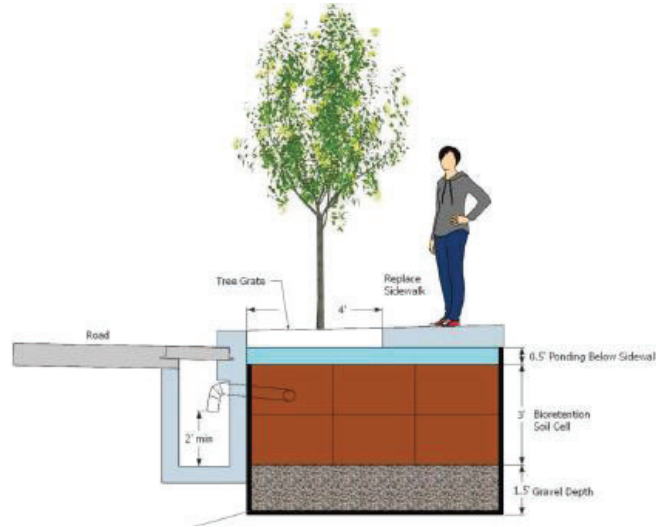


**SAFE  
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WATER**

# Rampart Village Stormwater Infrastructure (aka S. Union)

## Project Overview Stormwater management features:

### Tree Trench

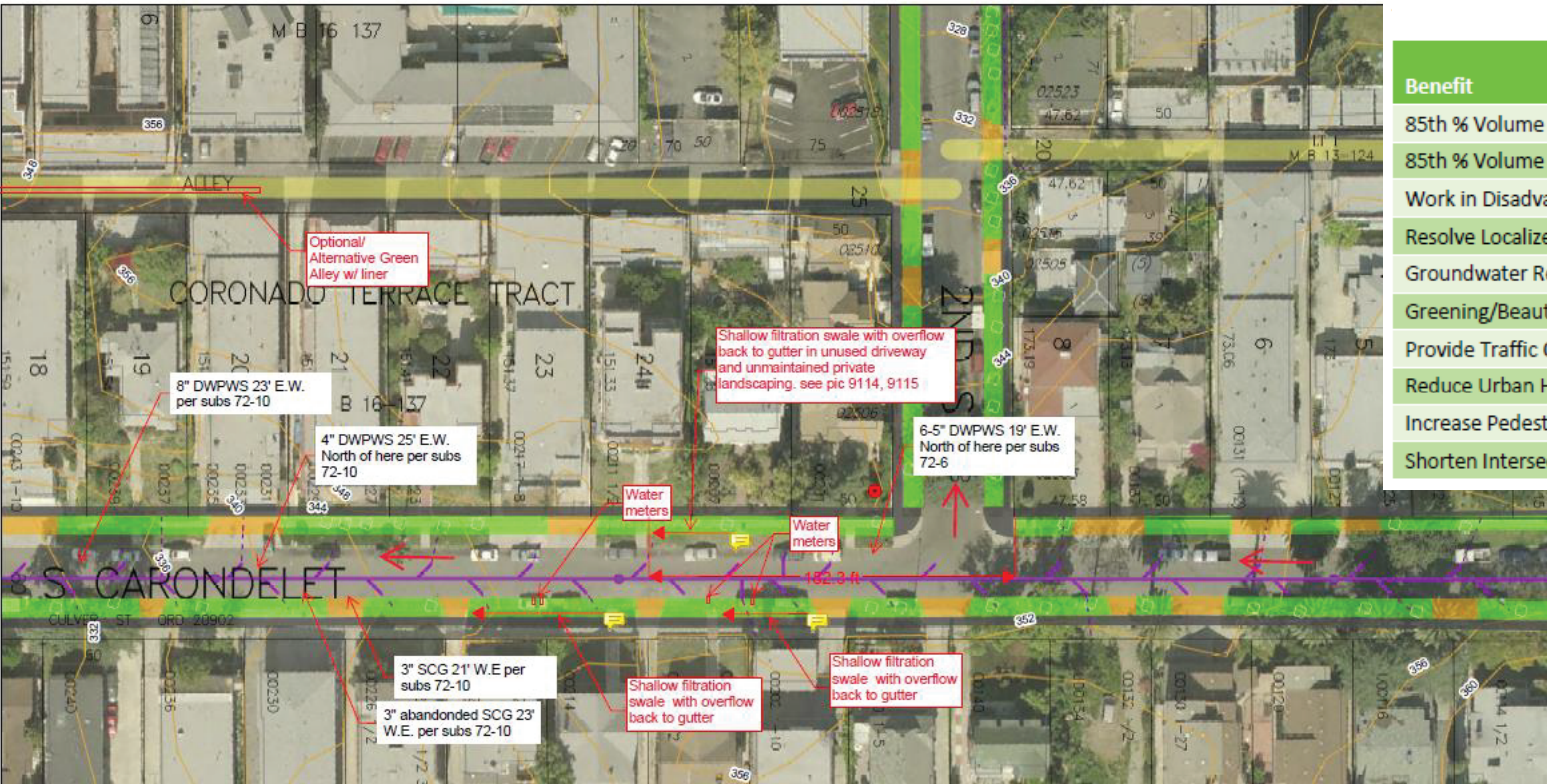


### Parkway Swales

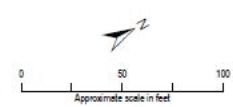
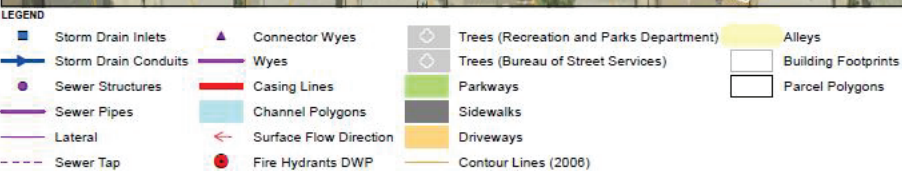


# Rampart Village Stormwater Infrastructure (aka S. Union)

## Project Design and community benefits:



Benefit	Priority (High, Medium, Low)
85th % Volume Capture/Treatment	Highest
85th % Volume Infiltration	High
Work in Disadvantaged Community	High
Resolve Localized Flooding	High
Groundwater Recharge (unconfined aquifer)	Medium
Greening/Beautification	Medium
Provide Traffic Calming	Medium
Reduce Urban Heat Island Effect	Low
Increase Pedestrian Mobility (i.e. add sidewalk)	Low
Shorten Intersections	Low



LA SAN  
Green Street Concept  
Council District 13 - Carondelet  
Page 3 of 5  
Los Angeles, CA





# Rampart Village Stormwater Infrastructure (aka S. Union)

## Project Schedule and Cost

TASK NAME	YEAR 1				YEAR 2				YEAR 3				YEAR 4			
Design	9 months															
Bid & Award				6 months												
Construction						18 months										
Post-Construction												12 months				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

### Summary of Project Cost Estimate – Class 5

Direct Construction Cost - \$ 2,100,000

Construction Contingency - \$ 900,000

Project Delivery (Planning, Pre-Design, Design, Permitting, Optimization) - \$1,100,000

**Total Project Cost - \$ 4,100,000**

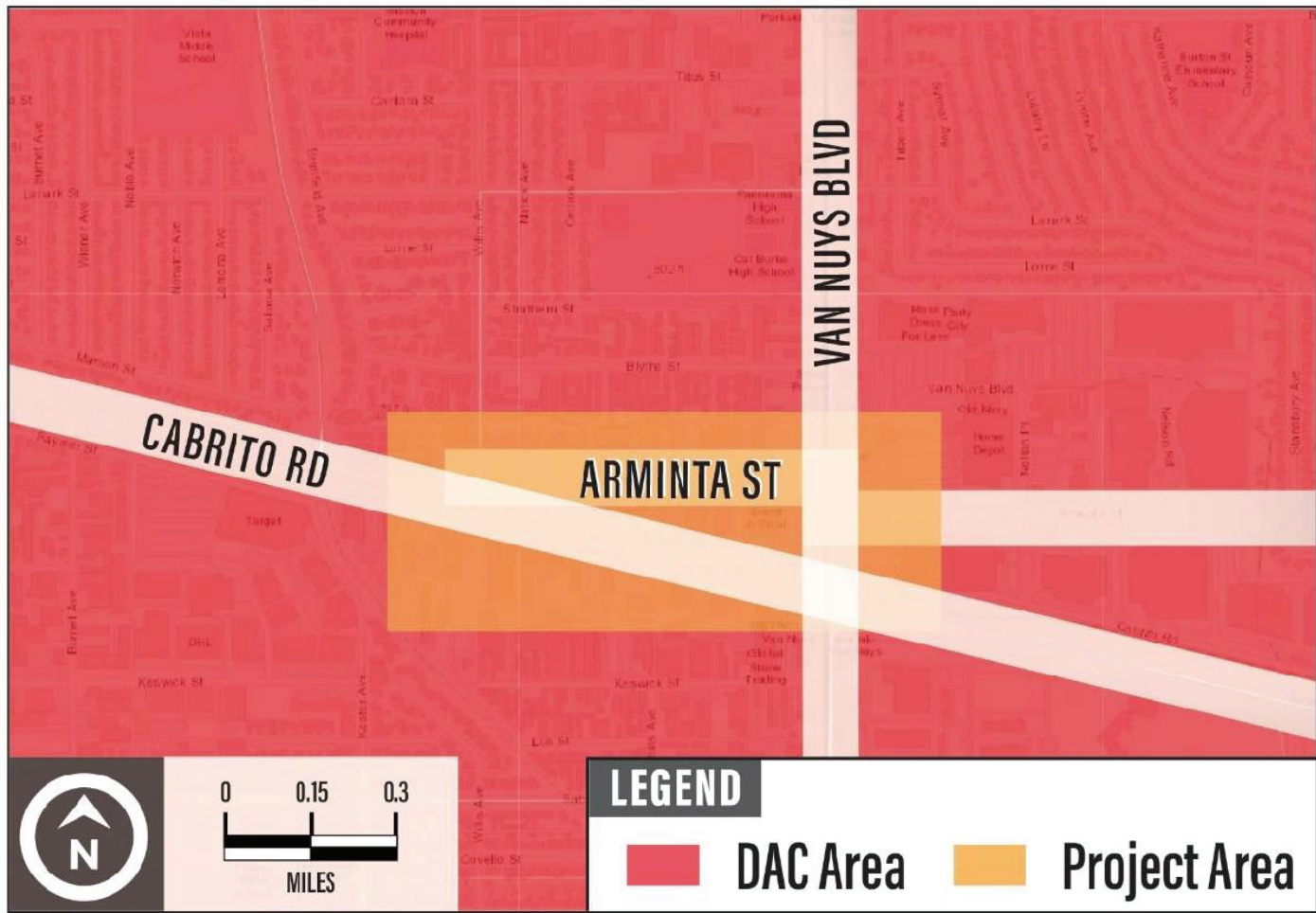


# Armita Green Stormwater Infrastructure (aka Armita St Green Street)

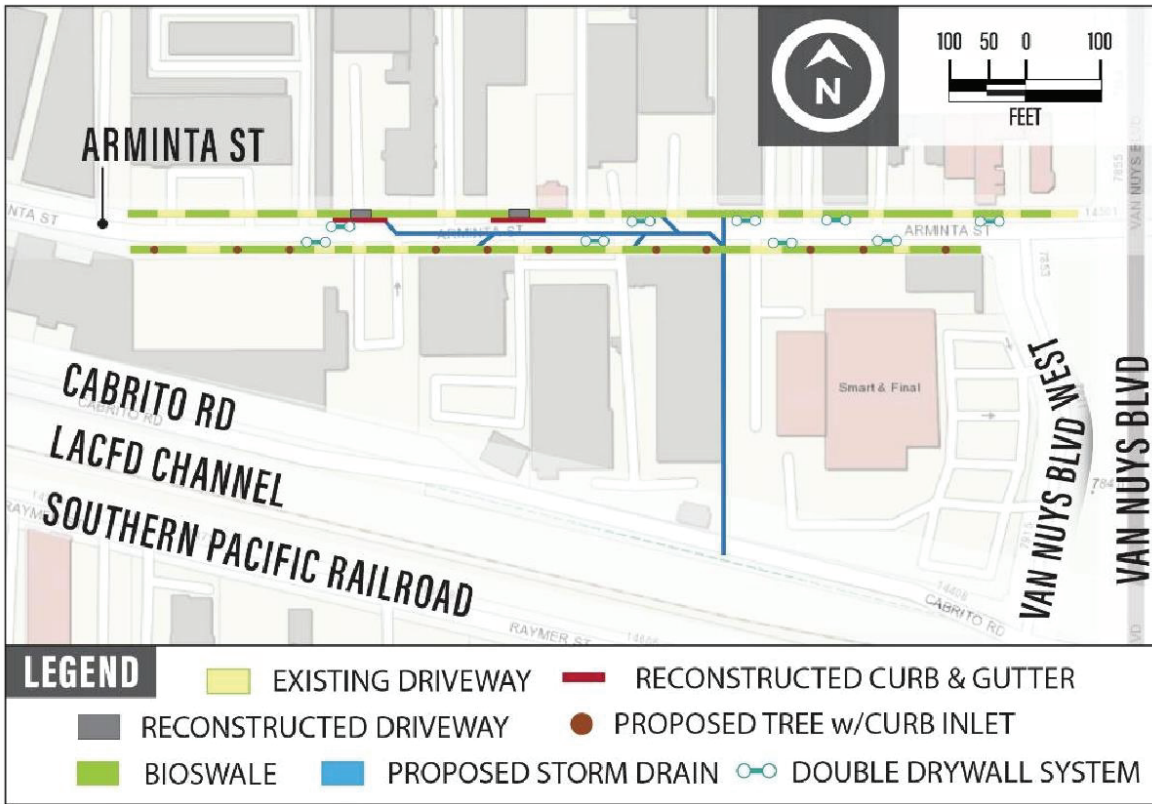
## Project Location



- City of Los Angeles, Upper LA River
- Council District 6
- Within a critical DAC



# Armita Green Stormwater Infrastructure (aka Armita St Green Street)



## Project Overview

Stormwater management features will:

- Address existing flooding
- Mitigate wet weather flows
- Provide water quality benefits
- Green the project area
- Reduction of heat island effect
- Reduce accumulated trash



# Armita Green Stormwater Infrastructure (aka Armita St Green Street)



## Project Design and community benefits: 9,700 square feet of bioswales with curb inlets, new street trees, and dry walls system.

- ✓ Greening
- ✓ Beautiful outdoor spaces
- ✓ Reduced flooding
- ✓ Community involvement
- ✓ Local connectivity



# Armita Green Stormwater Infrastructure (aka Armita St Green Street)

## Project Schedule and Cost

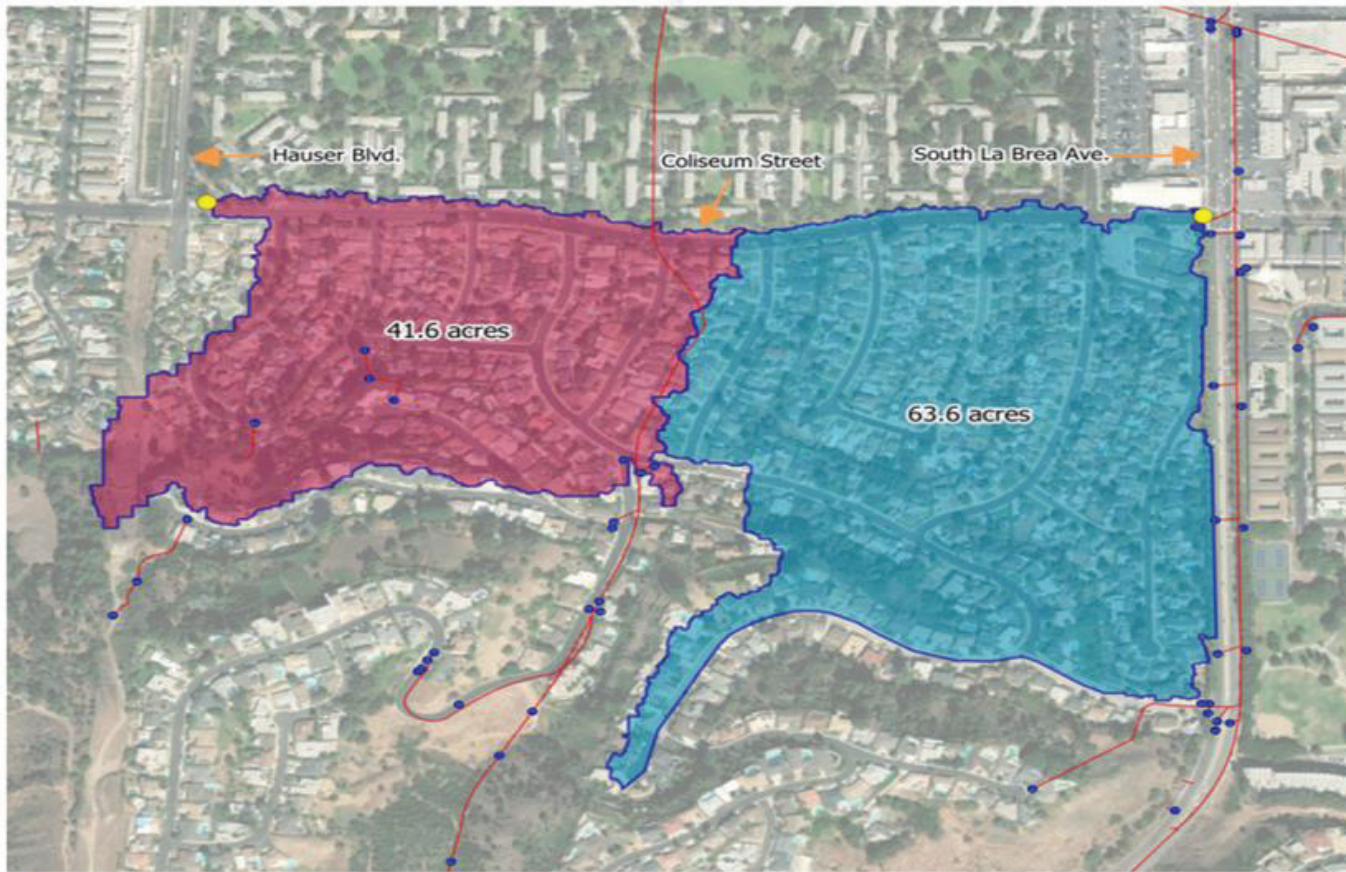
TASK NAME	YEAR 1				YEAR 2				YEAR 3				YEAR 4			
Design				9 months												
Permitting							6 months									
Construction									12 months							
Optimization													6 months			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

**Summary of Project Cost Estimate – Class 5**

- Direct Construction Cost - \$ 3,304,000
- Construction Contingency - \$ 1,321,000
- Project Delivery (Planning, Pre-Design, Design/Construction) - \$925,000
- Total Project Cost - \$ 5,550,000**



# Baldwin Vista Stormwater Infrastructure (aka Coliseum)



- Catch Basin
  - Storm Drain
  - Catchment Outlet
- Catchments
- A
  - B

0 500 1000 ft



## Project Location

Location	Coliseum Street between Hauser Blvd and La Brea Ave
Council District	10
DAC	No
Watershed	Ballona Creek



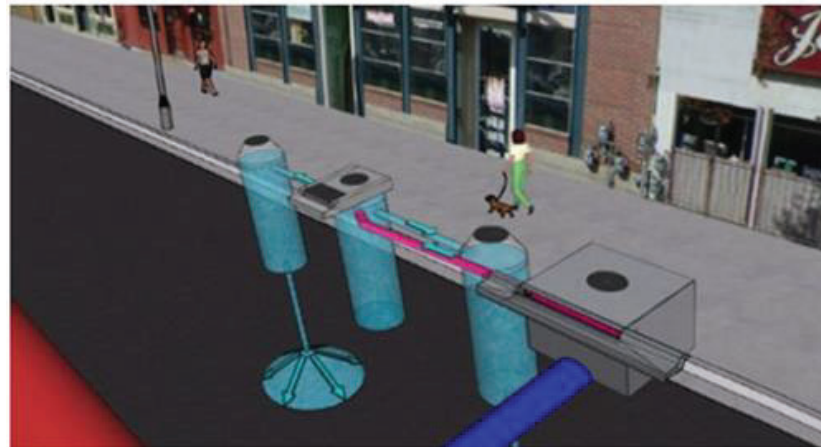
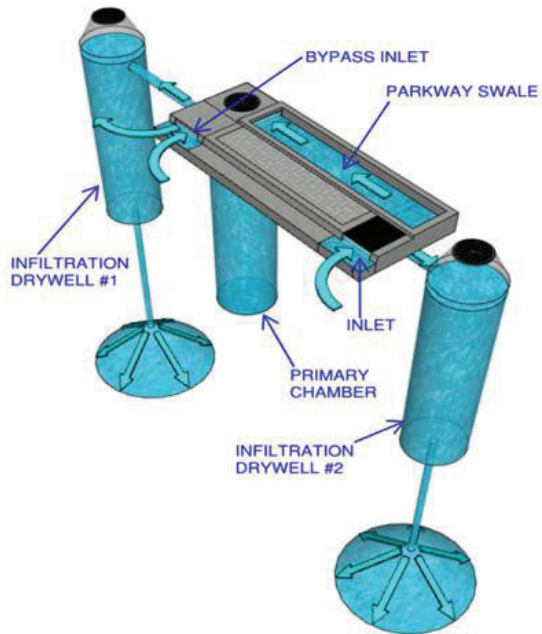
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WATER

# Baldwin Vista Stormwater Infrastructure (aka Coliseum)

## Project Overview

Stormwater management feature:

- Double Drywell Swale Systems
- Parkway Swale



# Baldwin Vista Stormwater Infrastructure (aka Coliseum)

## Project Design overview and community benefits:



- Capture, treat and infiltrate 5.4 AF
- Drainage area 105 acres
- Proposed BMP's
  - 12 Double Drywell Systems
  - Parkway Swale
  - Community Garden





# Baldwin Vista Stormwater Infrastructure (aka Coliseum)

## Project Schedule and Cost

TASK NAME	YEAR 1				YEAR 2				YEAR 3				YEAR 4			
Design	9 months															
Bid & Award				6 months												
Construction						12 months										
Post-Construction										12 months						
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

### Summary of Project Cost Estimate – Class 5

Direct Construction Cost - \$ 1,550,29

Construction Contingency - \$ 620,119

Project Delivery (Planning, Pre-Design, Design, Permitting, Optimization) - \$ 697,635

**Total Project Cost - \$ 2,868,052**

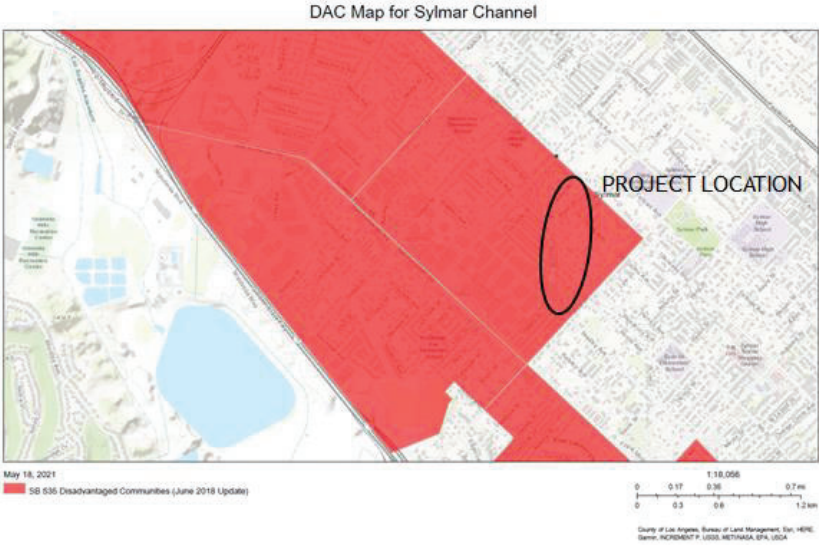


# Sylmar Channel



## Project Location

- City of Los Angeles, San Fenando Valley, Sylmar
- Council District 7, Monica Rodriguez
- Upper East Canyon Channel between Glenoaks Blvd and Herrick
- Within a critical DAC



# Sylmar Channel



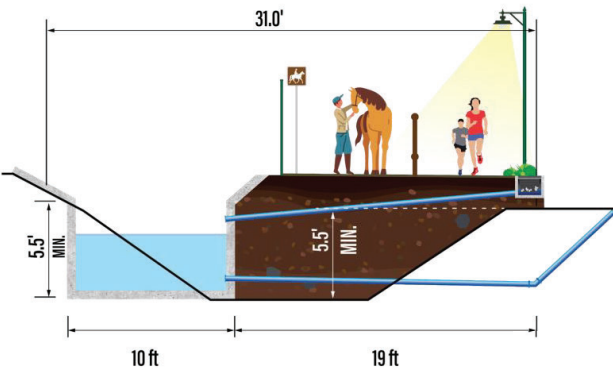
## Project Overview

### Stormwater management features will:

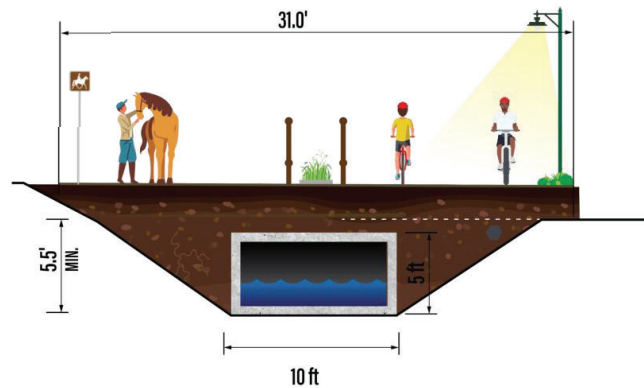
- Capture, treat and infiltrate 72.2 AF/YR
- Drainage area 232 acres
- Proposed BMP's
  - 8 Drywells
  - 300 lf of Bioswales
  - 30 Street Trees
- Alternatives being considered:
  1. Open Channel with Pedestrian Access
  2. Closed Channel with Pedestrian Access
  3. Modify the existing (As-is)



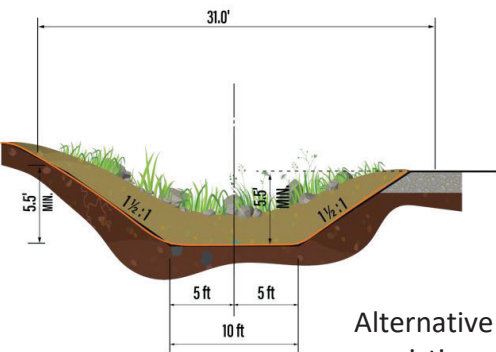
# Sylmar Channel



Alternative #1 - Open Channel with Pedestrian Access



Alternative #2 - Closed Channel with Pedestrian Access



Alternative #3 - Modify the existing channel (As-is)

## Project Design overview and community benefits:

- New Pedestrian Accessibility
  - Horse Trail
  - Walking/running path
  - Bicycle path
- Wheelchair accessibility
- Lighting Systems
- Pedestrian Signage
- Crosswalks
- Bioswales



# Sylmar Channel

## Project Schedule and Cost

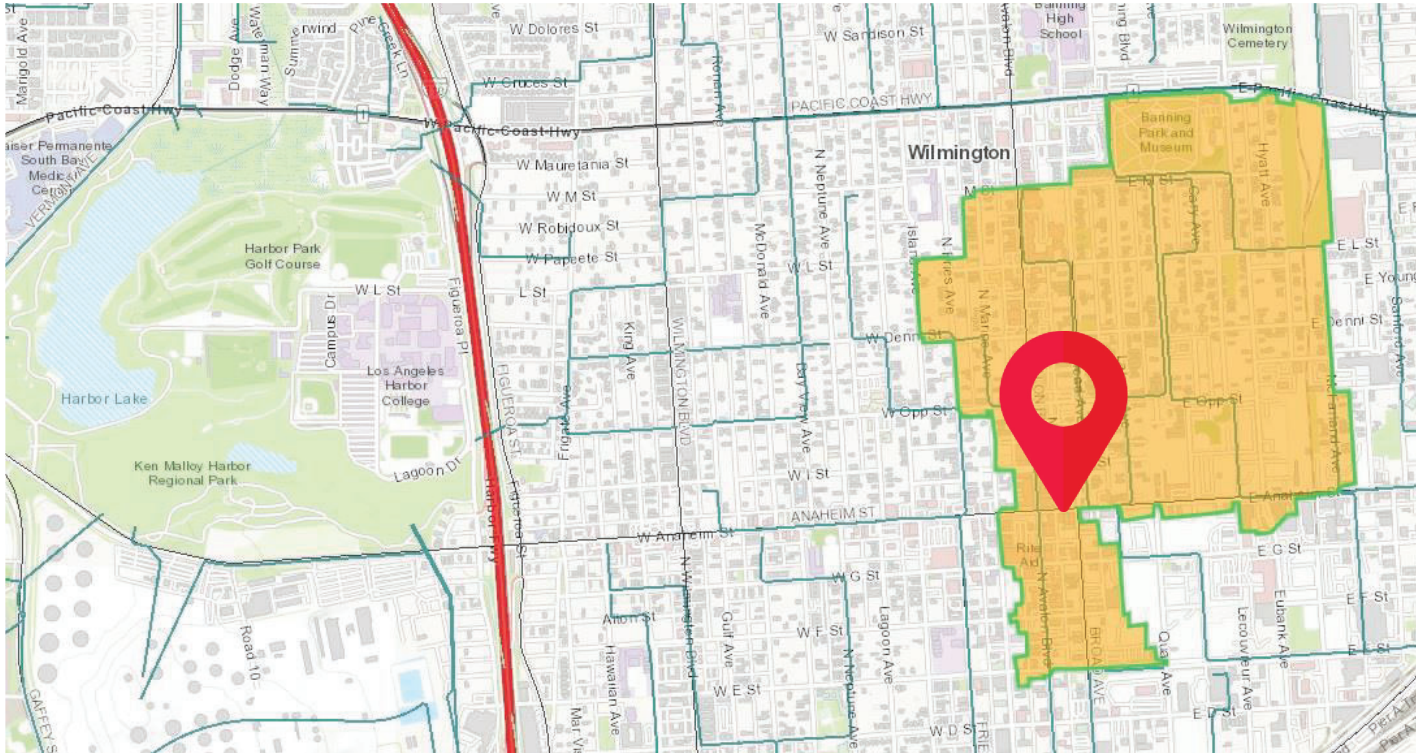
TASK NAME	YEAR 1				YEAR 2				YEAR 3				YEAR 4				YEAR 5			
Design				15 months																
Permitting						18 months														
Construction												24 months								
Optimization																			6 months	
	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4

### Summary of Project Cost Estimate – Class 5

- Direct Construction Cost - \$ 8,000,000
- Construction Contingency - \$ 1,000,000
- Project Delivery (Planning, Pre-Design, Design, Permitting, Optimization) - \$3,000,000
- Total Project Cost - \$ 12,000,000**



# Harbor Area Neighborhood Green Infrastructure (aka Denni St)



## Project Location

Wilmington along  
Anaheim St between  
N Avalon Blvd. and  
McFarland Ave.  
**368 acre drainage  
area**



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# Harbor Area Neighborhood Green Infrastructure (aka Denni St)



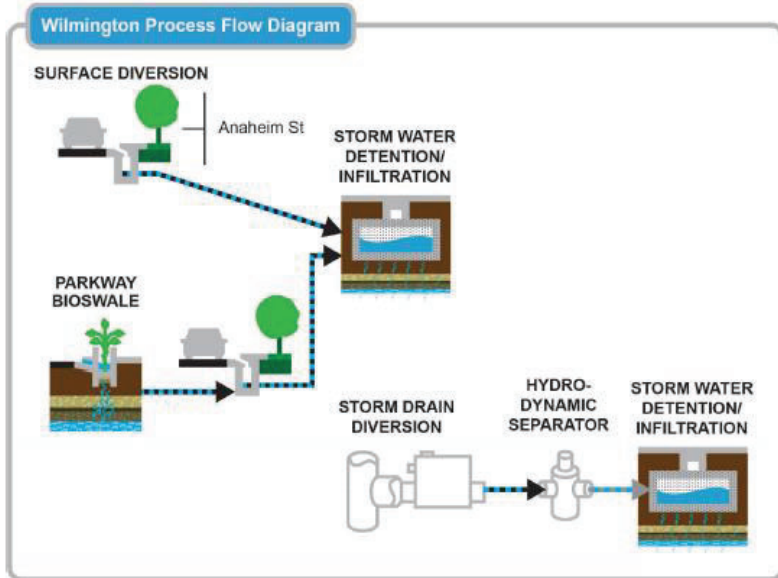
## Project Overview:

**Stormwater management features will:**

- Address existing flooding
- Mitigate wet weather flows
- Provide water quality benefits
- Green the project area
- Reduction of heat island effect
- Reduce accumulated trash



# Harbor Area Neighborhood Green Infrastructure (aka Denni St)



## Project Design overview and community benefits:

- Reduce flooding on Anaheim Street through diversion to detention/ infiltration chambers
- Street trees along Anaheim and intersecting corridors
- Parkway Bioswales
- Permeable pavement treatments





# Harbor Area Neighborhood Green Infrastructure (aka Denni St)

## Project Schedule and Cost

TASK NAME	YEAR 1				YEAR 2				YEAR 3				YEAR 4			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design				9 months												
Permitting						6 months										
Construction									12 months							
Optimization													6 months			

### Summary of Project Cost Estimate – Class 5

Direct Construction Cost - \$13,505,550

Construction Contingency - \$ 306,000

Project Delivery (Planning, Pre-Design, Design, Permitting, Optimization) - \$5,706,837

**Total Project Cost - \$19,212,387**



# Hollenbeck Park Lake Rehabilitation



## Project Location



# Hollenbeck Park Lake Rehabilitation



## Project Overview

Stormwater management features will:

- Improve water quality and control algae
- Restore lake appearance
- Provide a solution to lakeside erosion
- Provide treatment and management of dry/wet weather flow

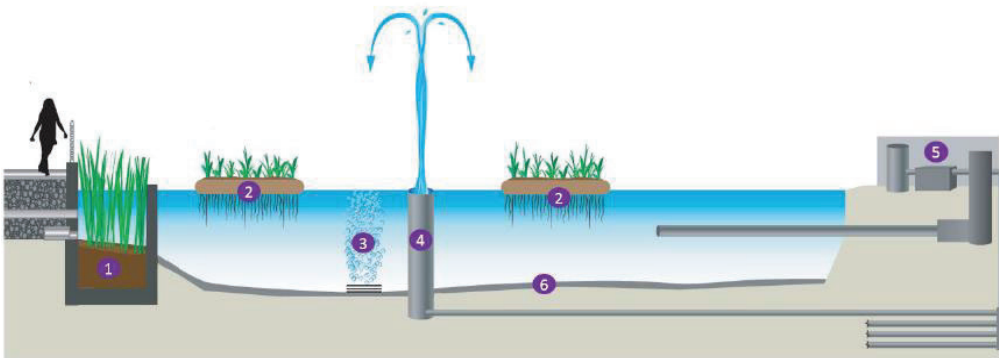


# Hollenbeck Park Lake Rehabilitation



## Project Design overview and community benefits:

- Dredge existing lake sediment to improve water quality
- Floating wetland island throughout the lake
- Aeration and recirculation system for algal reduction
- Shoreline wetlands and vegetated swales around the lake
- Pedestrian friendly sidewalk around lake



# Hollenbeck Park Lake Rehabilitation

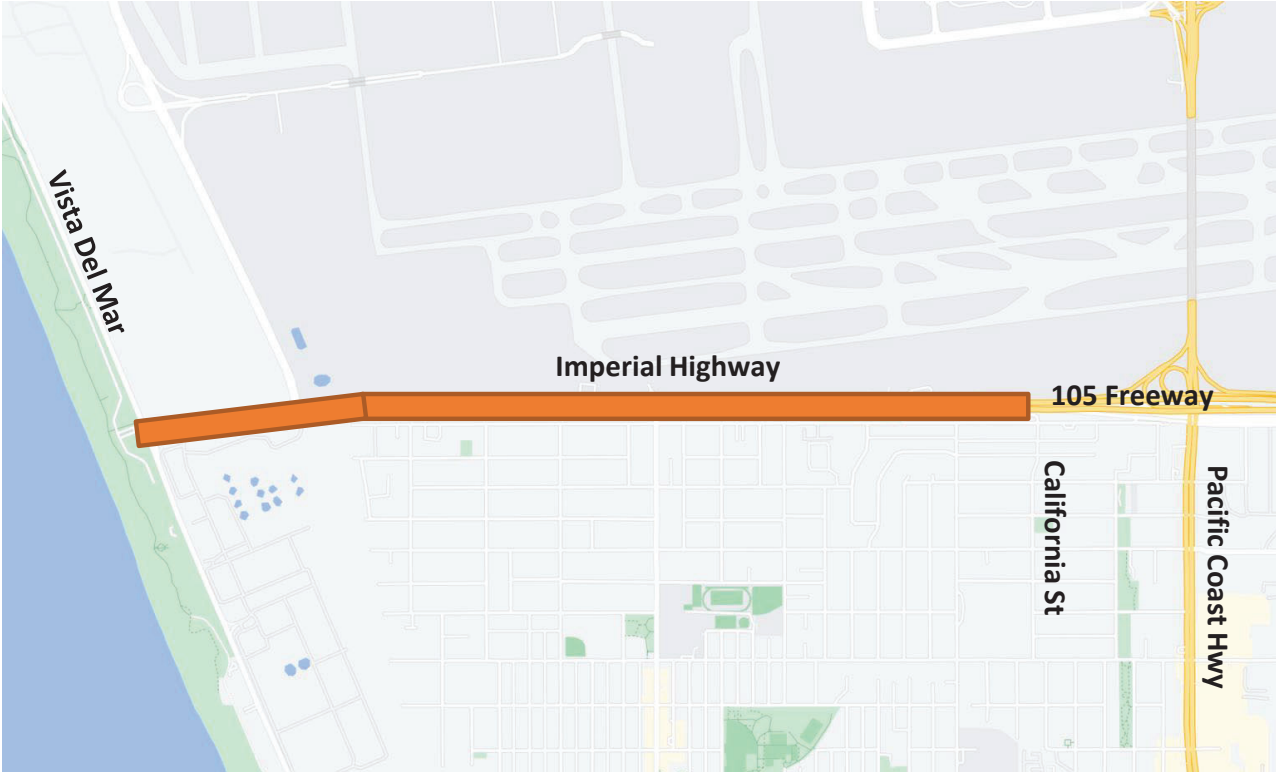
## Project Schedule and Cost

TASK NAME	YEAR 1				YEAR 2				YEAR 3				YEAR 4				YEAR 5			
Design	15 months																			
Permitting							9 months													
Construction									18 months											
Optimization																	12 months			
	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4

**Summary of Project Cost Estimate –**  
 Direct Construction Cost - \$ 23,420,000  
 Construction Contingency - \$ 4,580,000  
 Project Delivery (Planning, Pre-Design, Design, Permitting, Optimization) - \$5,000,000  
**Total Project Cost - \$ 33,000,000**



# Imperial Highway Green Improvements



## Project Location



# Imperial Highway Green Improvements



## Project Overview

Stormwater management features will:

- Mitigate existing flooding
- Provide water quality benefits
- Vegetate the area with native plants
- Reduce accumulated trash



# Imperial Highway Green Improvements



## Project Design overview and community benefits:

- 10,000 linear feet of bioswale with curb inlets and native vegetation
- Large shrubs and plants to prevent pedestrians from using median
- Use recycled water to irrigate landscape





# Imperial Highway Green Improvements

## Project Schedule and Cost

TASK NAME	YEAR 1				YEAR 2				YEAR 3				YEAR 4			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design				9 months												
Permitting						3 months										
Construction								12 months								
Optimization												12 months				

### Summary of Project Cost Estimate

Direct Construction Cost - \$ 2,200,000

Construction Contingency - \$ 600,000

Project Delivery (Planning, Pre-Design, Design, Permitting, Optimization) - \$400,000

**Total Project Cost - \$ 3,200,000**



# Questions and Answers



# Thank you for attending!



# Measure W: Safe Clean Water Program Round 4 Proposals

**Administrative Oversight Committee**

**October 28, 2021**

**Keith Mozee**  
*Executive Director and General Manager*  
*Bureau of Street Services (StreetsLA)*



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WATER**

## StreetsLA Round 4 Project Recommendations:

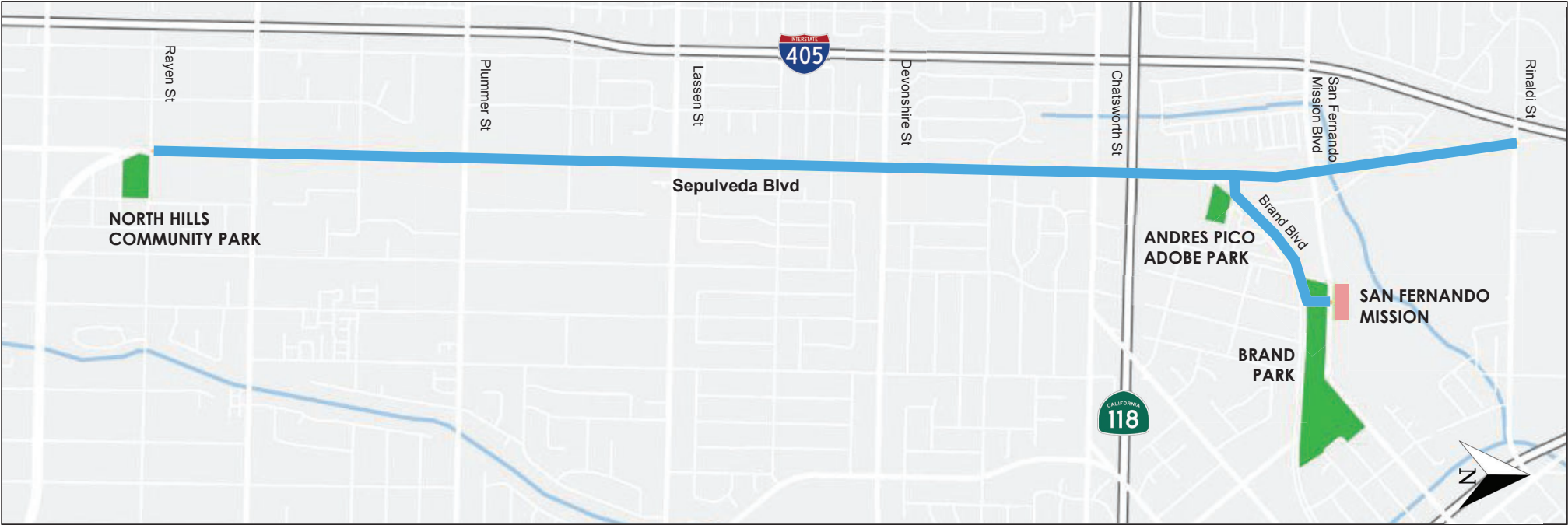
**Ana Tabuena-Ruddy, StreetsLA  
Landscape Architect II**

- Mission Mile Sepulveda: A Climate Resilient Urban Greenway to Cultural Connections
- Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project

# Mission Mile Sepulveda: A Climate Resilient Urban Greenway to Cultural Connections

## Project Location

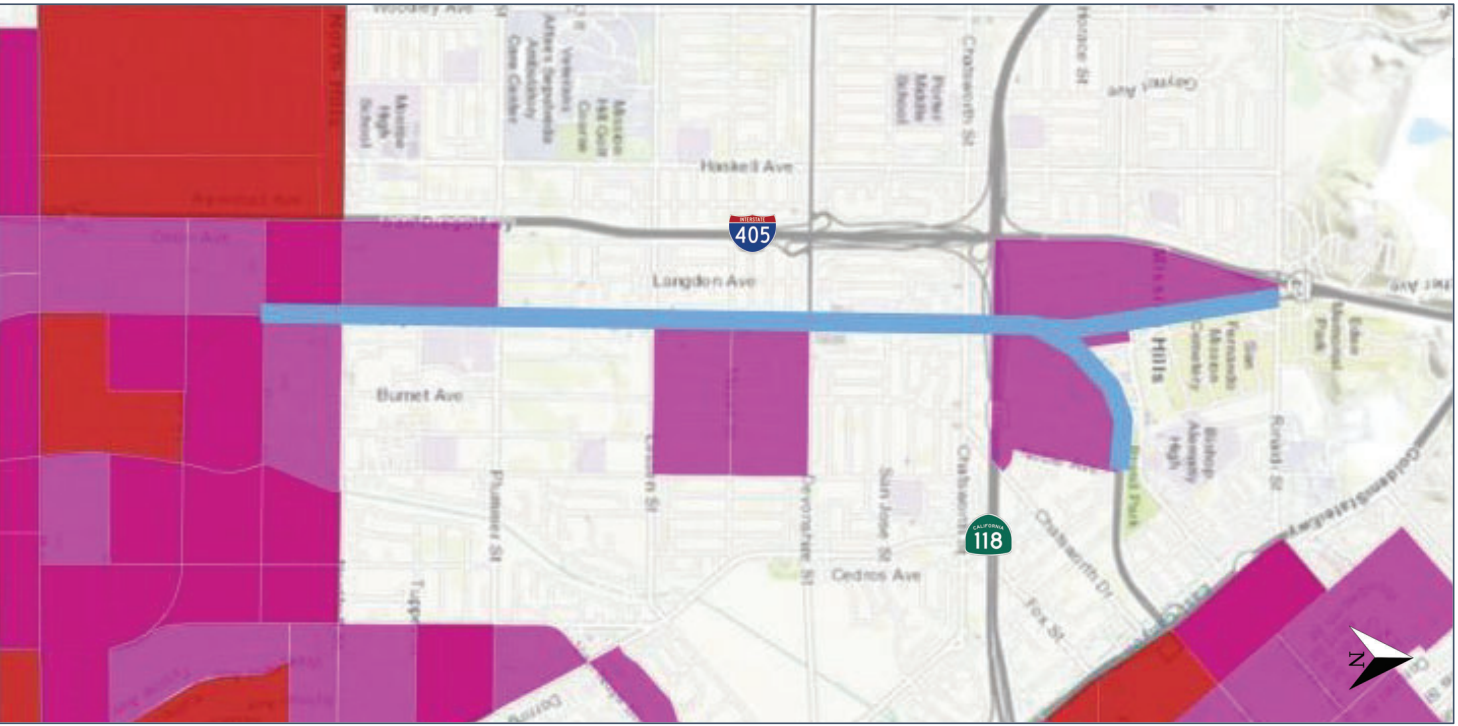
Total Drainage Area: 108 acres







 Project Area



# Mission Mile Sepulveda: A Climate Resilient Urban Greenway to Cultural Connections

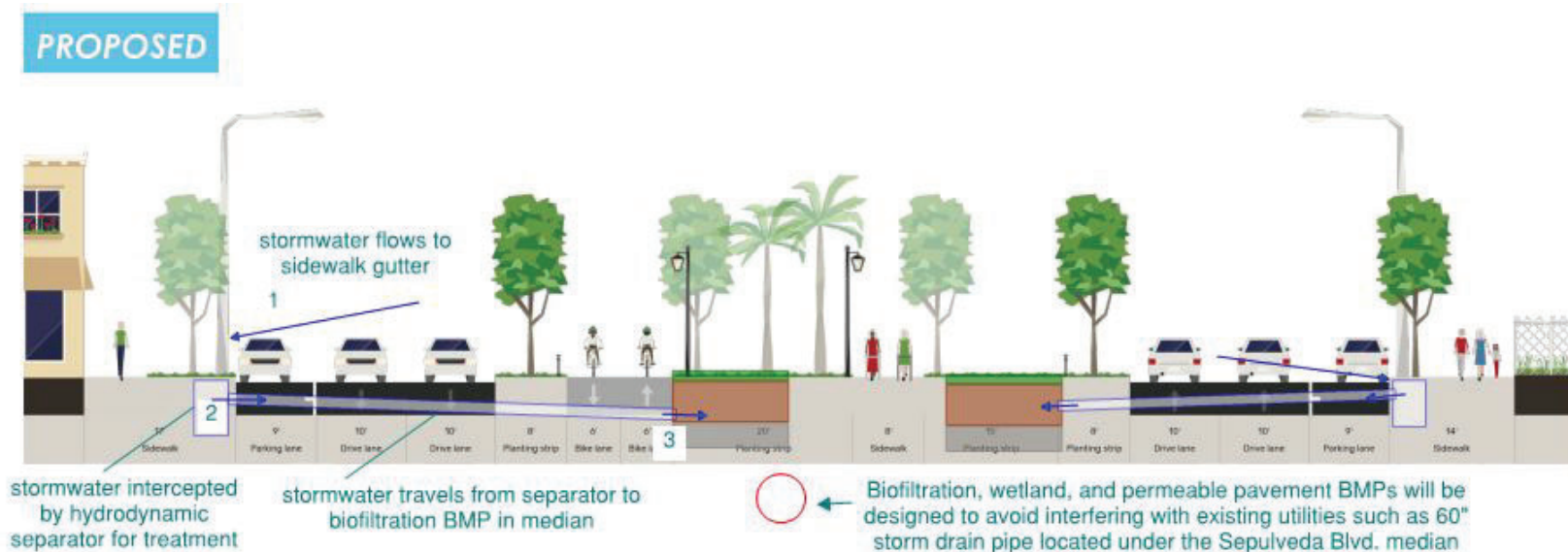


-  Project Area
-  Disadvantaged Community
-  Department of Water Resources, < 80% Statewide MHI
-  CalEPA CalEnviroScreen 4.0 (Draft)

DAC



# Mission Mile Sepulveda: A Climate Resilient Urban Greenway to Cultural Connections



## Project Overview

### Stormwater management features will:

- Provide water quality benefits
- Provide water supply benefits
- Provide a greenway for biking, walking, and connections to parks and historic sites
- Provide urban greening and reduction in urban heat island effect
- Provide opportunity to create a biodiversity corridor





# Mission Mile Sepulveda: A Climate Resilient Urban Greenway to Cultural Connections



*Project Area at Sepulveda Blvd and Brand Blvd*

## Project Design and Community Benefits

- 7 acres (2.5 miles) of biofiltration BMPs around new bike and pedestrian paths
- Add 4 acres of pervious surface
- 950 shade trees
- 0.5 acres of pervious concrete in median gathering/recreational spaces
- 5,000 SF constructed ephemeral wetland
- Integrated Active Transportation Improvements



# Mission Mile Sepulveda: A Climate Resilient Urban Greenway to Cultural Connections

## Project Schedule

TASK NAME	YEAR 1 (2023)				YEAR 2 (2024)				YEAR 3 (2025)				YEAR 4 (2026)				YEAR 5 (2027)				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Planning/Design				15 months																	
Permitting								6 months													
Construction										24 months											
Optimization																		6 months			



# Mission Mile Sepulveda: A Climate Resilient Urban Greenway to Cultural Connections

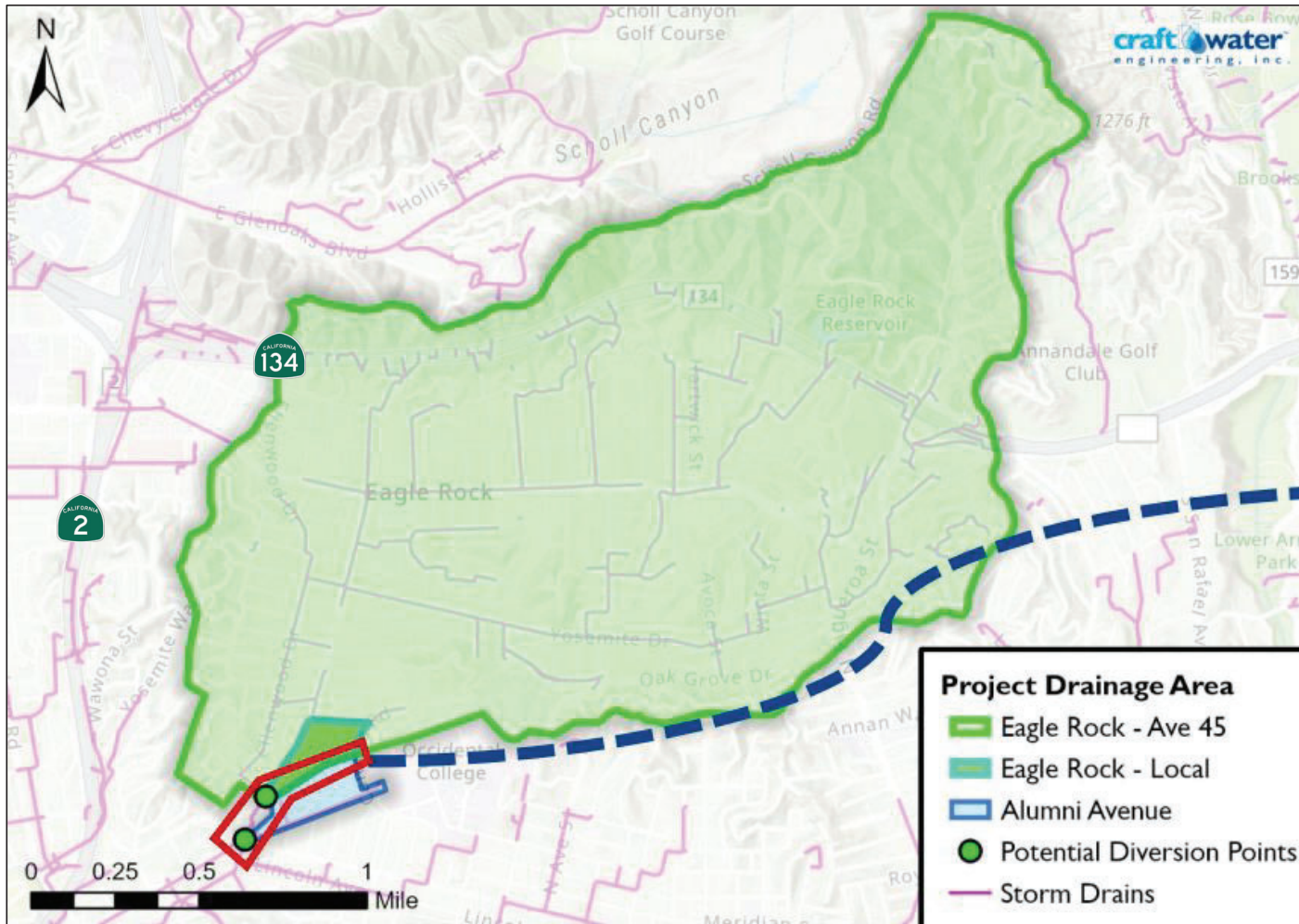
## Project Cost

### Summary of Project Cost Estimate – Class 5

Item	Total Project Cost	ATP Leverage Funding	SCW Request
Direct Construction Cost	\$22,764,838	\$12,586,918	\$10,177,921
Construction Contingency	\$6,830,162	\$1,163,082	\$5,667,079
Project Delivery (Planning, Design, Construction)	\$9,230,000	\$4,158,000	\$5,072,000
<b>Total Project Cost</b>	\$38,825,000	\$17,908,000	\$20,917,000
	100%	46.1%	53.9%



# Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project

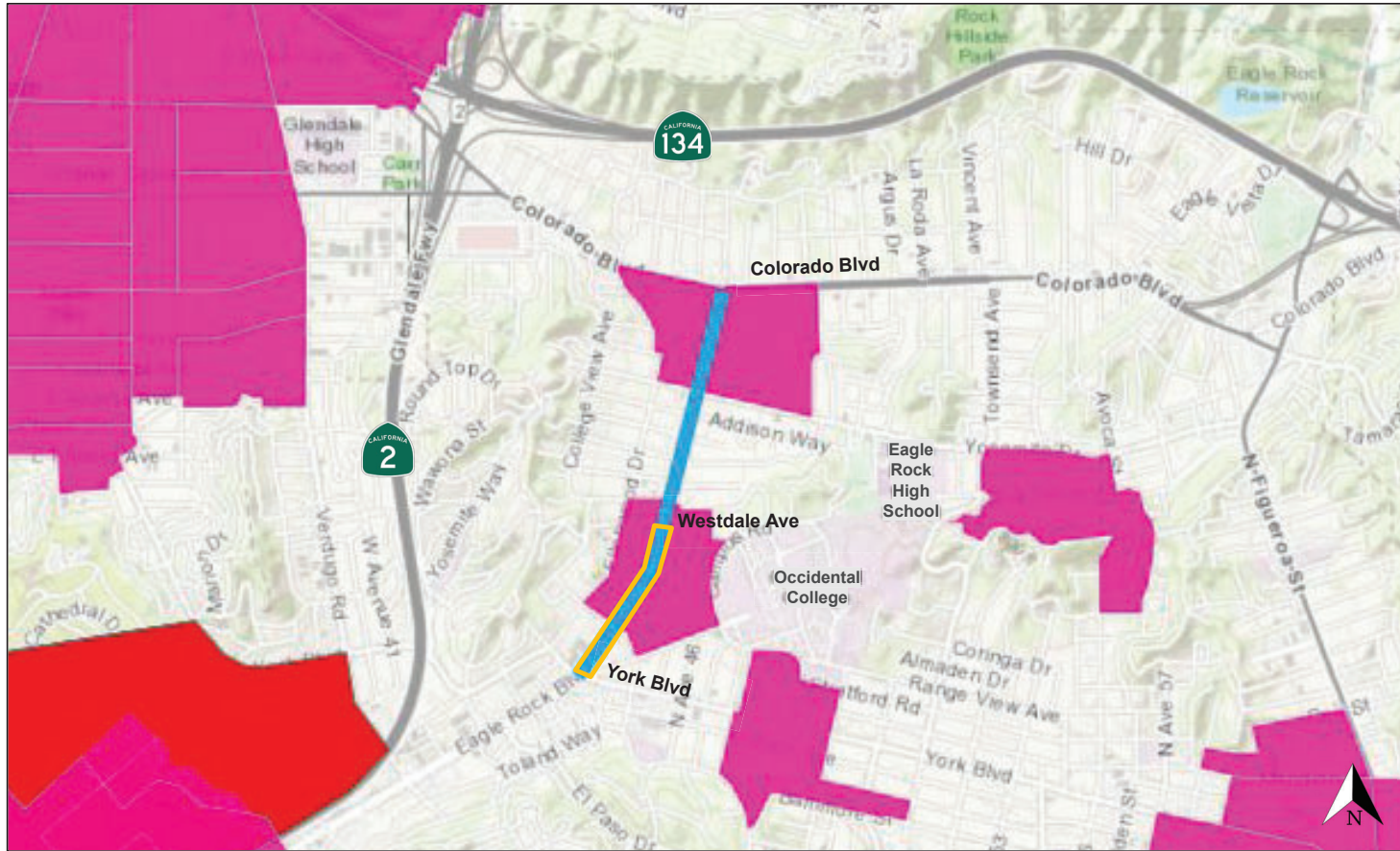


## Project Location

Total Drainage Area:  
2,260 acres



# Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project

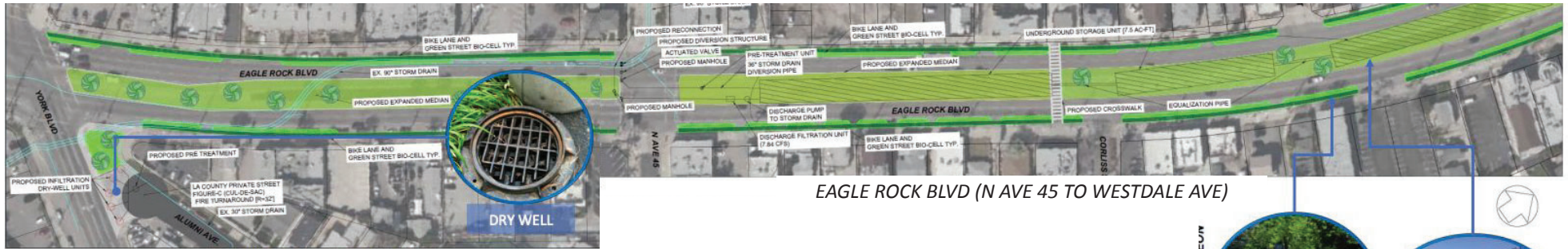


- Rock the Boulevard Project Area
- Measure W Project Area
- Disadvantaged Community
- Department of Water Resources, < 80% Statewide MHI
- CalEPA CalEnviroScreen 4.0 (Draft)

DAC



# Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project



EAGLE ROCK BLVD (YORK BLVD TO N AVE 45)

EAGLE ROCK BLVD (N AVE 45 TO WESTDALE AVE)



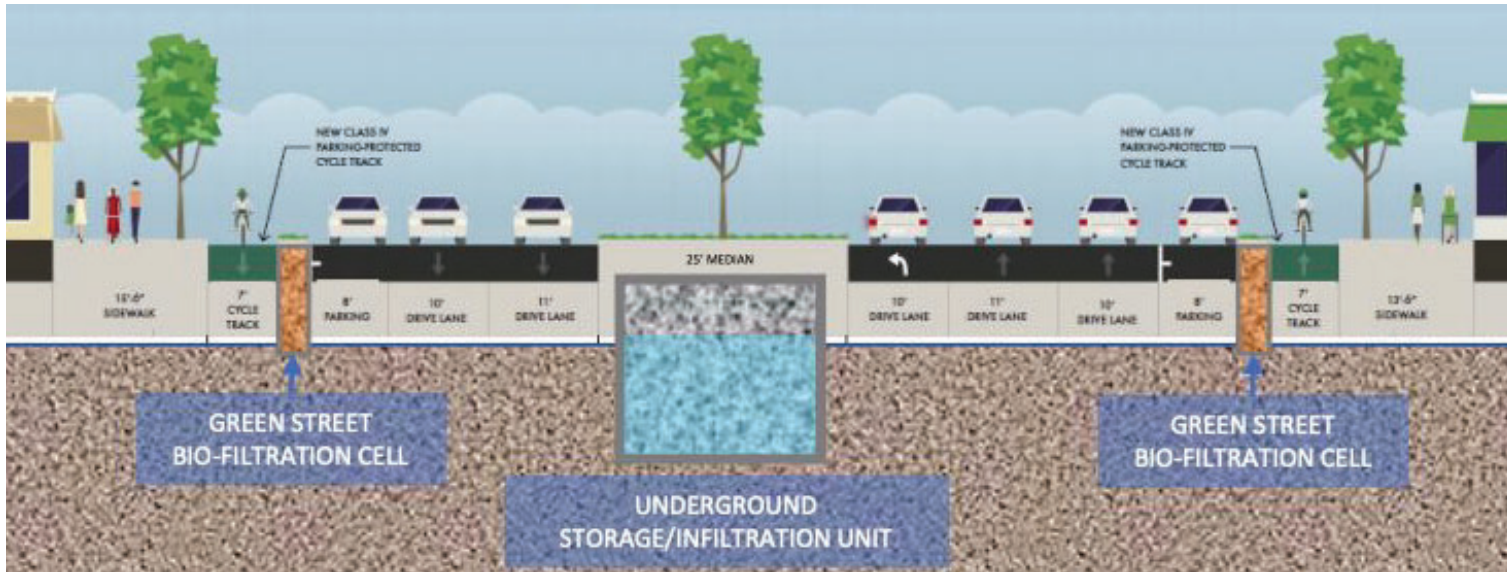
## Project Overview

### Stormwater management features will:

- Provide water quality benefits
- Intercept all dry-weather flows and a portion of wet-weather flows
- Provide multi-benefits
- Green the project area
- Reduction of heat island effect



# Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project



## Project Design Overview and Community Benefits:

- 5 AF Underground Storage Reservoir
- Infiltration Dry Wells
- 13,640 SF of Green Street Bio-Filtration Cells
- 16,100 SF of permeable bike path and integrated active transportation improvements



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## Project Schedule

TASK NAME	YEAR 1 (2023)				YEAR 2 (2024)				YEAR 3 (2025)				YEAR 4 (2026)			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design				9 months												
Permitting							6 months									
Construction									12 months							
Optimization													6 months			



SAFE  
CLEAN  
WATER



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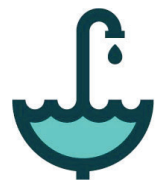
## Project Cost

### Summary of Project Cost Estimate – Class “C”

Item	Total Project Cost	710 MIP Corridor Leverage Funding	SCW Request
Direct Construction Cost	\$11,538,945	\$2,873,350	\$8,665,595
Construction Contingency	\$1,730,842	\$431,000	\$1,299,842
Project Delivery (Design, Construction Mgmt)	\$4,379,030	\$1,107,000	\$3,272,030
<b>Total Project Cost</b>	<b>\$17,648,817</b>	<b>\$4,411,350</b>	<b>\$13,237,467</b>
	100%	25%	75%



# Questions and Answers



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WATER**