

Safe, Clean Water Program

Watershed Coordinators

Roles and Responsibilities



The Watershed Coordinators will be responsible for connecting potential applicants with technical resources and building inclusion and meaningful engagement in pursuit of SCW Program goals. Specific responsibilities of the Watershed Coordinators include, but are not limited to, the following:

- Work with Technical Assistance Teams to bring resources to potential Infrastructure Program Project Applicants;
- Work with Municipalities and Stakeholders to identify and develop Project concepts that may be elevated to the Watershed Area Steering Committees and Technical Assistance Teams to assist with development of Feasibility Studies;
- Identify and help leverage and secure additional funding sources for Regional Projects and Programs;
- Engage Municipalities, community groups, and other watershed Stakeholders to ensure diverse perspectives are included in planning and implementation of the Regional Program;
- Conduct community outreach to diverse communities, with an emphasis on disadvantaged communities;
- Provide leadership in community outreach efforts related to watershed planning;
- Facilitate collaborative decision-making between private and public entities to develop and implement actions that best address community priorities;
- Integrate community, Municipality, and regional priorities through partnerships and extensive networks;
- Organize public outreach events included in SIPs, such as workshops, demonstrations, community forums and restoration activities, to educate Stakeholders on stormwater-related topics;
- Serve as non-voting members of the Watershed Area Steering Committees for their respective Watershed Areas; and
- Collaborate with all other Watershed Coordinators and the District to help ensure consistency in implementation and to inform each other of effective efforts, outreach, and communication approaches, including sharing best practices and resources.

The Watershed Coordinator role and responsibilities include assisting to meet the requirements of the Safe, Clean Water Program Implementation Ordinance and the Los Angeles Region Safe, Clean Water Program Ordinance, both of which are codified in the LACFCD Code.

Washington Park Stormwater Capture Project

Safe, Clean Water Program (Technical Resource Program)
Fiscal Year 2021-2022 Call for Projects
City of Pasadena

Presenters: Brent Maue, City of Pasadena
Courtney Semlow, Craftwater Engineering

Project Overview

Regional stormwater capture and infiltration facility located at Washington Park beneath the open space of the existing park surface.

- **Phases used from SCW funding:** Planning, Design, Construction, O&M
- **Total SCW Funding Requested:** \$300,000

Project Objectives

PRIMARY OBJECTIVES

- Improve water quality: Eastside Storm Drain and the downstream Rio Hondo River
- Restore/Rehabilitate: Softball/field Facilities
- Provide: ephemeral creek and bioretention garden area

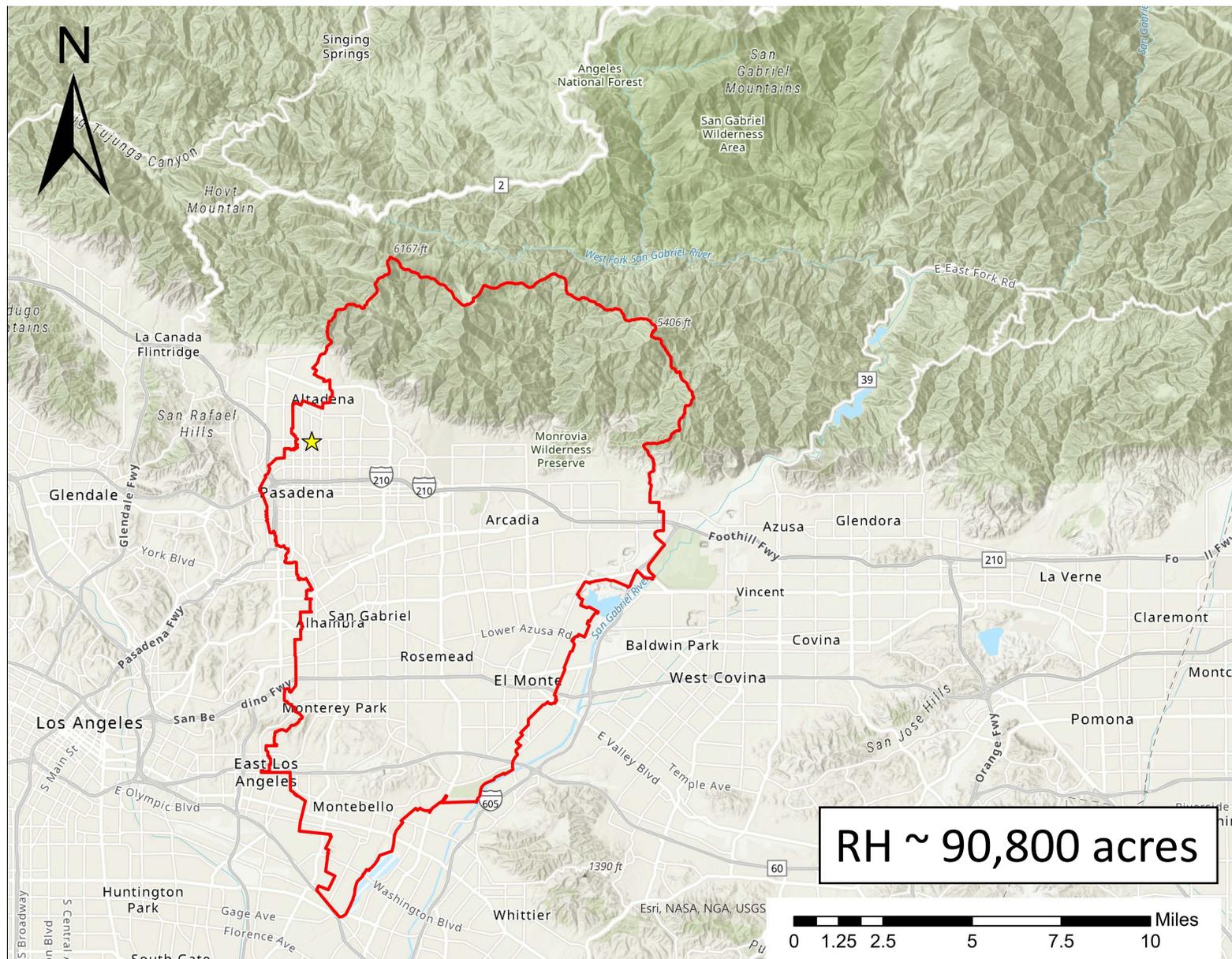
SECONDARY OBJECTIVES

- Offset potable water demand by providing supplemental stormwater for park irrigation
- Provide new habitat and diverse vegetation
- Educate the public on integrated systems and sustainable resources practices
- Improve stormwater management with permeable pavers.



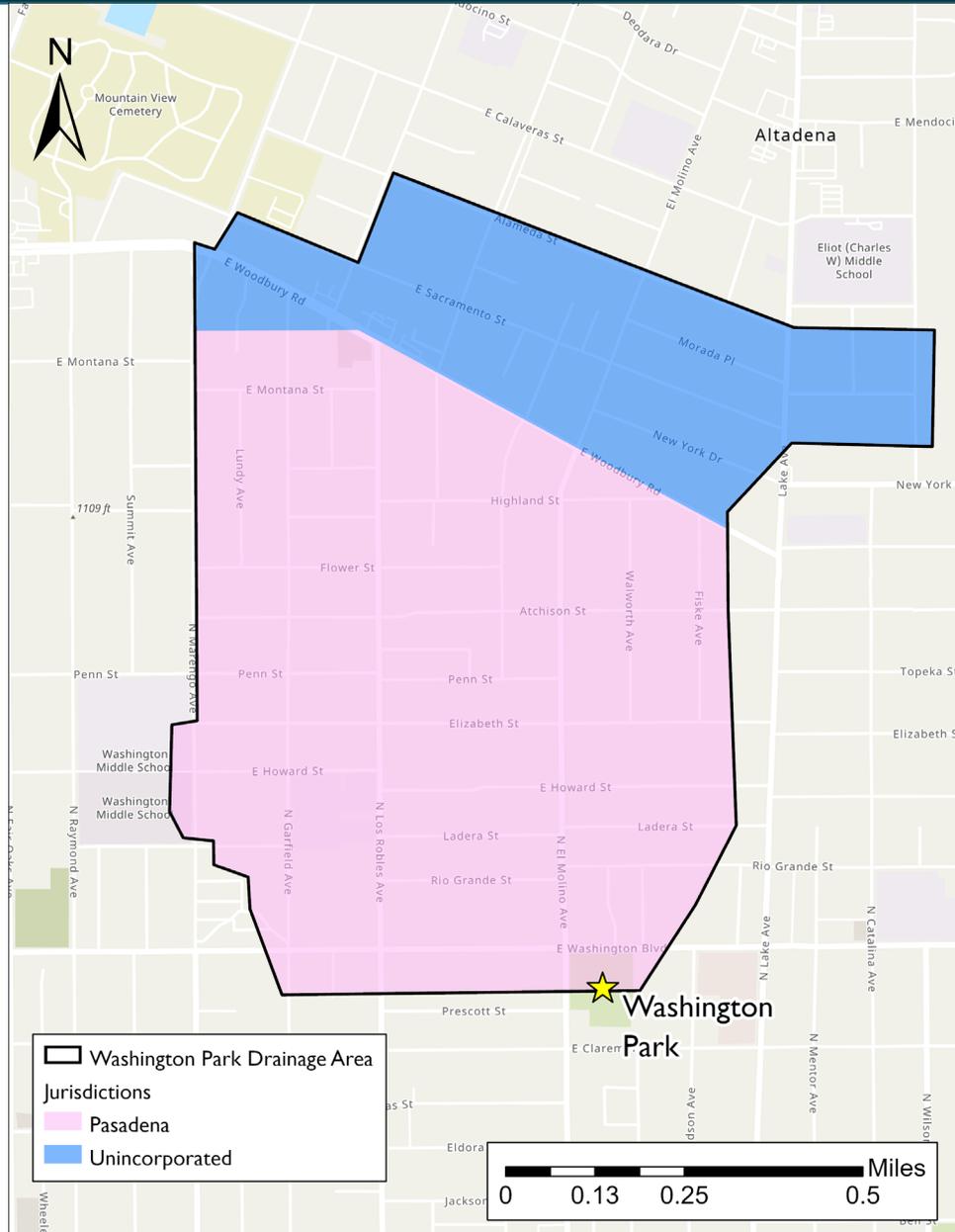


Project Location





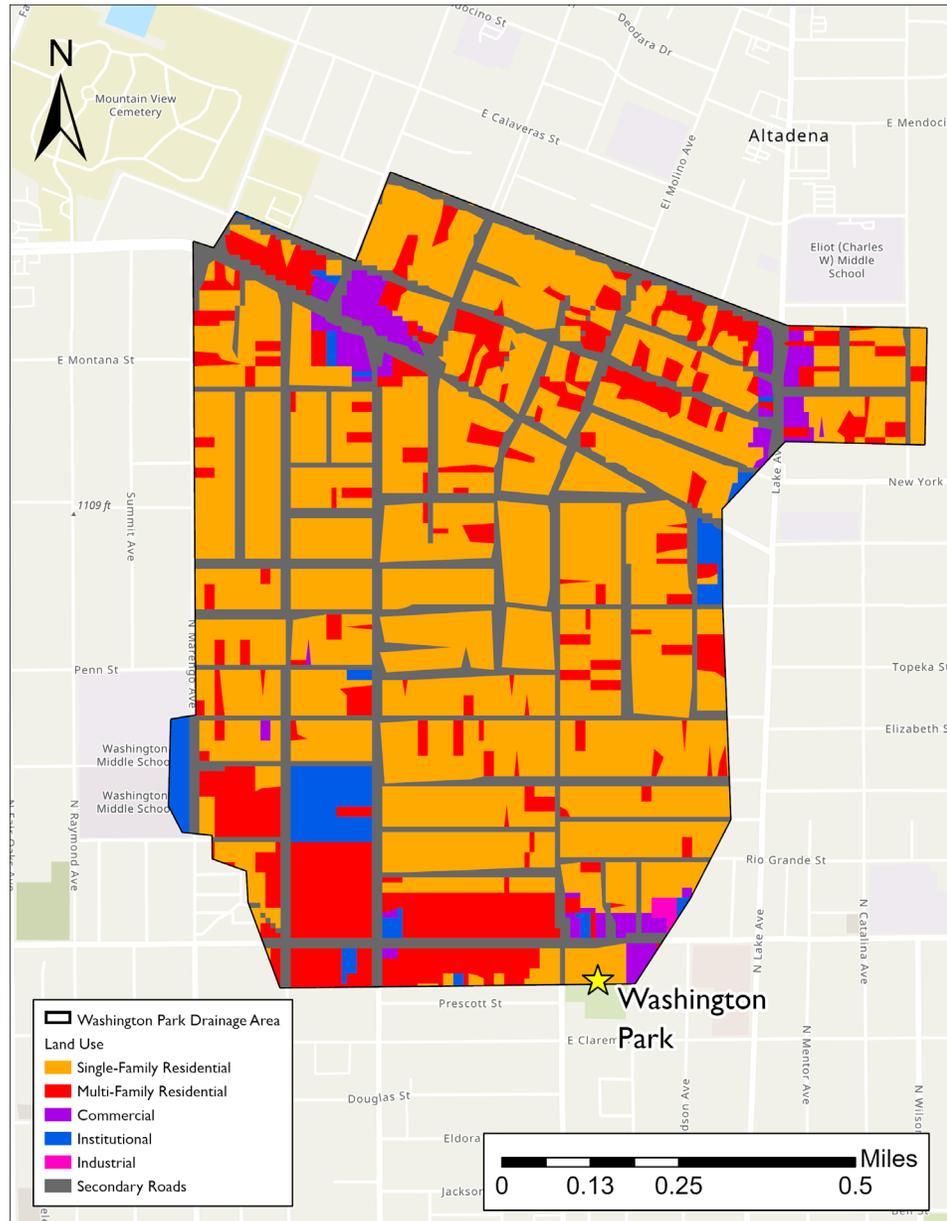
Project Location- Total capture area



Jurisdiction	Area (acres)	% Watershed
Pasadena	384.2	72.9%
Unincorporated LA County	142.8	27.1%
TOTAL	527	100%



Project Location- Total capture area

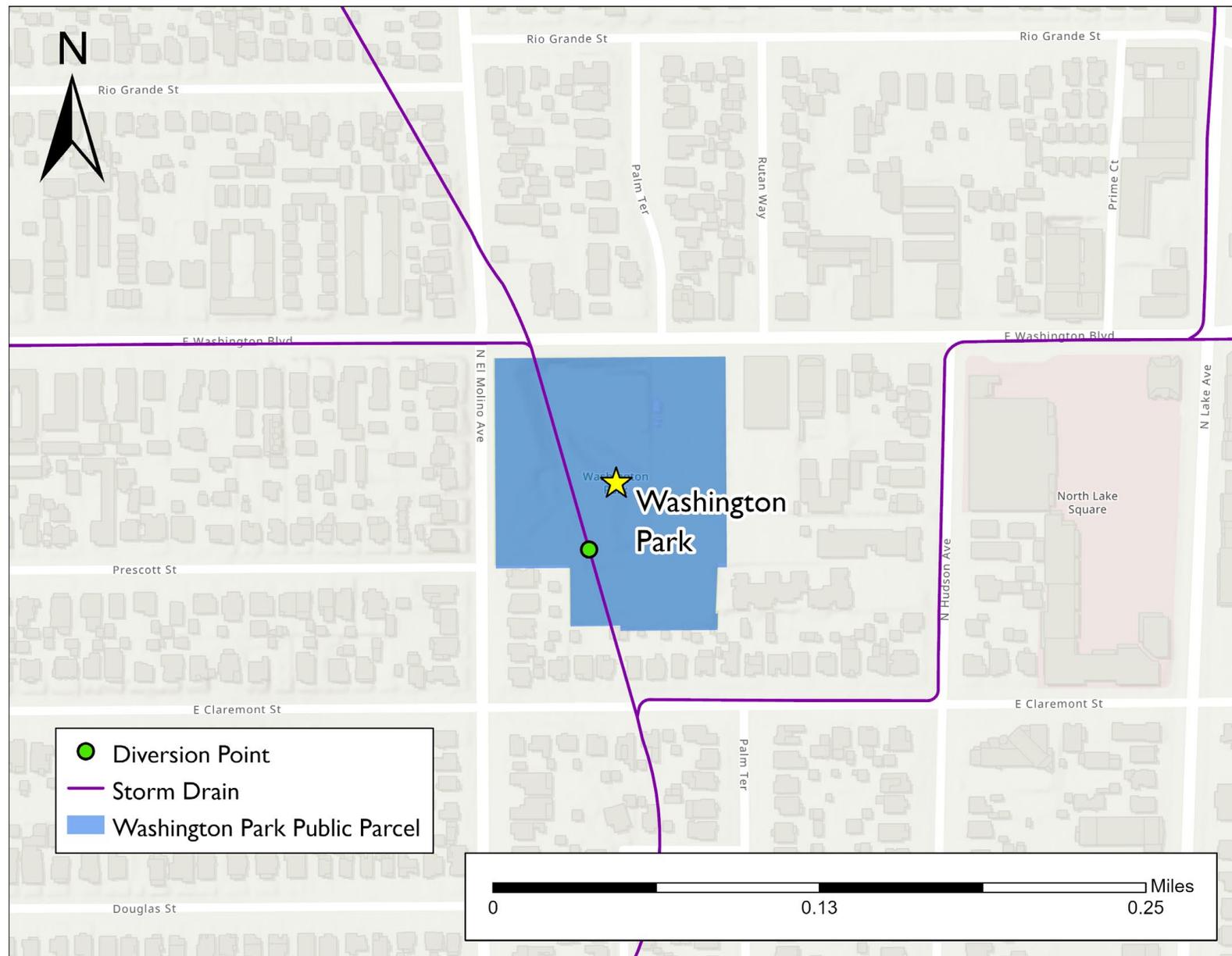


- Capture area:
 - Impervious: 245 acres
 - Pervious: 282 acres

Land-use	Area (acres)	%
Single Family Residential	299.0	56.7%
Multi-Family Residential	88.0	16.7%
Commercial	15	2.8%
Institutional	15.6	3.0%
Industrial	0.8	0.1%
Highway & Interstates	108.7	20.6%
TOTAL	527	100%



Project Location – Parcel Maps



The **Washington Park** site, the City of Pasadena.



Project Background



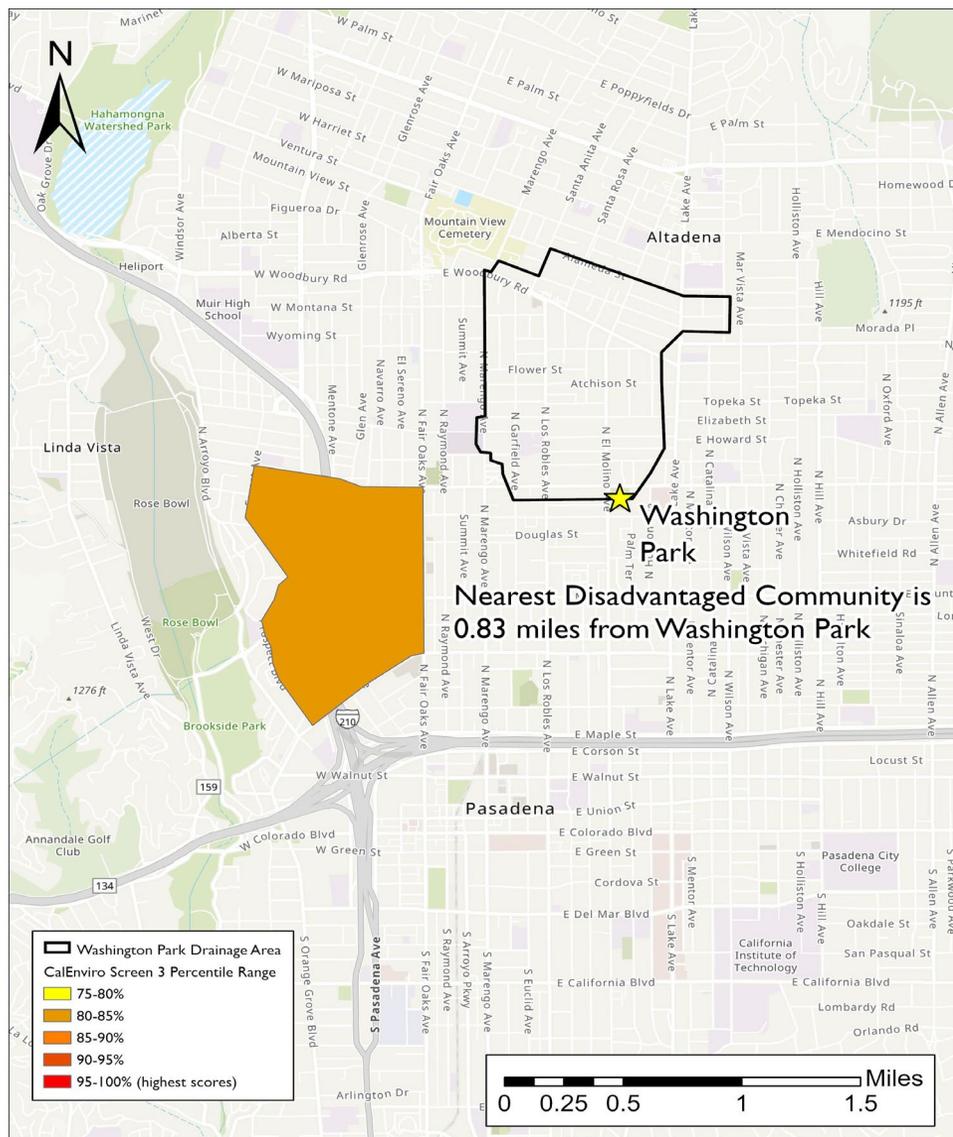
- Site was identified in the Upper LA river EWMP and has the potential to offer runoff storage and water quality benefits
- **Beneficial site characteristics:**
 - Significant drainage area size
 - Location of adjacent “Eastside” storm drain
 - Large development area available
- Site can address additional needs to achieve compliance in WMP



- **Water Quality** Improvement in the City of Pasadena Eastside Drain and the downstream, Rio Hondo channel
- **Park recreational enhancements** with an ephemeral biofiltration creek, bioretention garden area, and ball-field facility restoration
- **Provide supplemental stormwater** to offset potable water demand for park irrigation
- **Public Education** for integrated systems and sustainable water resources practices
- **Improved site stormwater** management with permeable pavement in parking lot
- **Provide habitat and diverse vegetation** to existing space



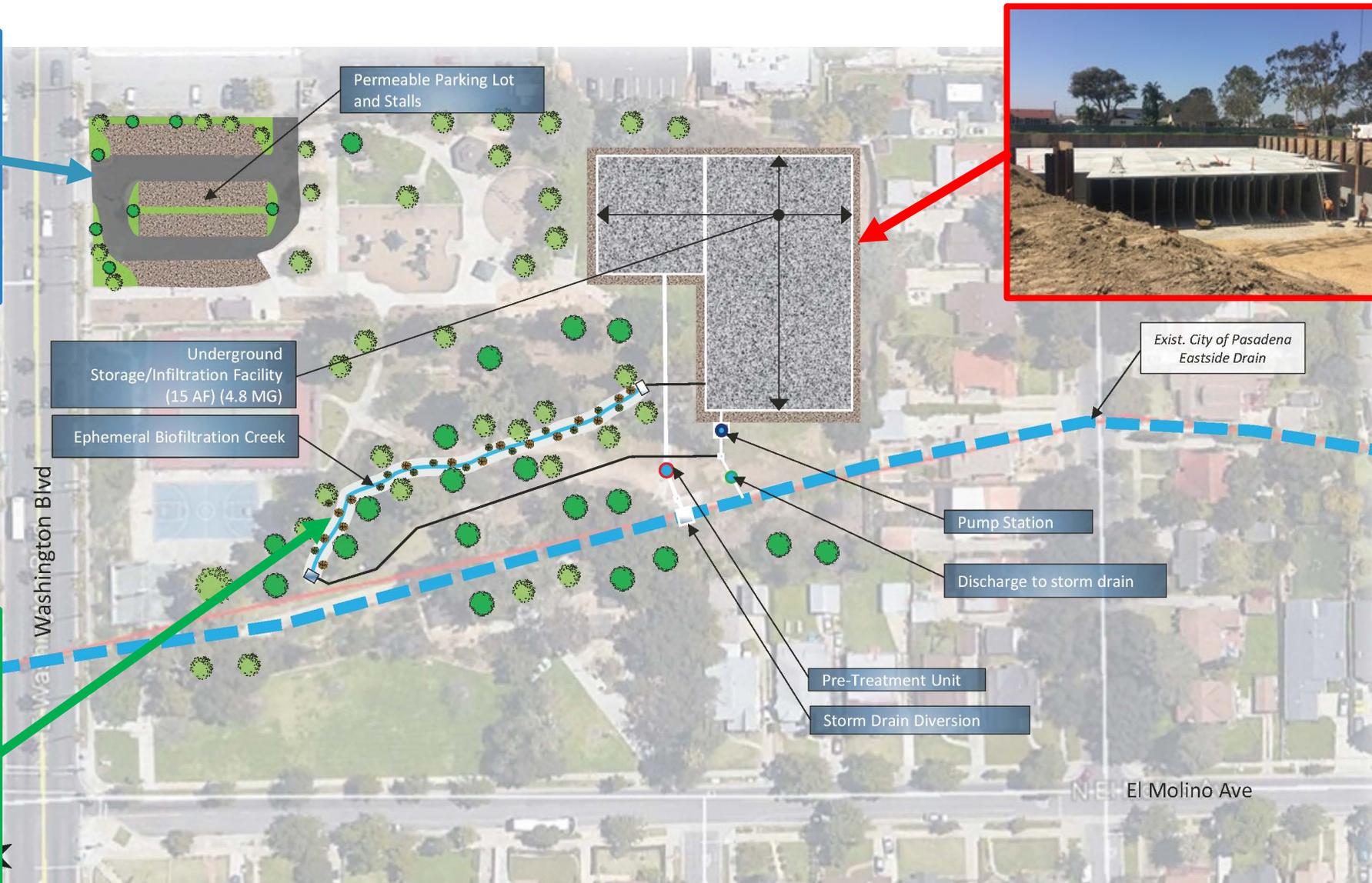
Project Benefits - DAC



- **Provide improved park facilities**
 - **Revitalized** softball field and landscaping
 - **Ephemeral biofiltration creek** providing additional trees, natural vegetation
 - **Improved** public gathering spaces



Project Details- Site Plan





Project Details- Existing Conditions



Existing conditions

- Hydraulic soil group: A
- Approximate Depth to groundwater: 265 ft BGS (Well ID:4054)
- Current Use: Public recreational space
- Owner: City of Pasadena
- *Project identified in ULAR EWMP
- *Desktop geotechnical investigation was performed



Cost & Schedule

Phase	Description	Cost
Planning/Design	Planning and Design cost	\$1,500,000
Construction	Construction cost	\$15,000,000

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 2021-22)	\$300,000	Planning	Feasibility TRP



Questions?

Sierra Madre Blvd. Green Street Stormwater Capture Project

Safe, Clean Water Program (Technical Resource Program)

Fiscal Year 2021-2022 Call for Projects

City of Pasadena

Presenters: Brent Maue, City of Pasadena

Merrill Taylor, Craftwater Engineering

Project Overview

Local and regional stormwater capture and infiltration facility located at Sierra Madre Blvd within and beneath the median open space.

- **Phases used from SCW funding:** Planning, Design, Construction, O&M
- **Total SCW Funding Requested:** \$300,000

Project Objectives

PRIMARY OBJECTIVES

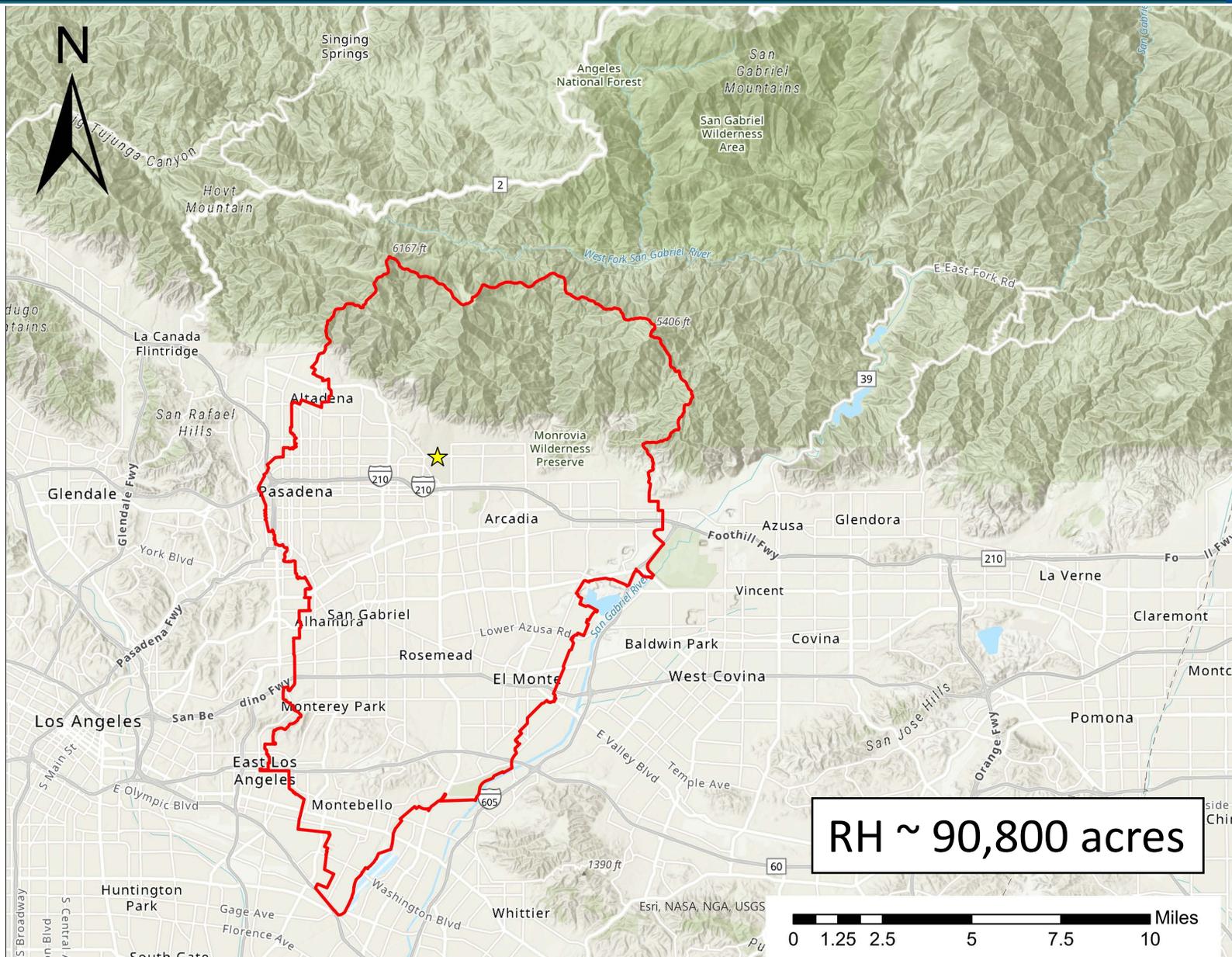
- **Improve water quality** within the Eaton Wash and Rio Hondo
- **Recharge local groundwater**
- **Reduce local runoff** through distributed bioretention practices

SECONDARY OBJECTIVES

- **Offset potable water demand**
- Implement **native landscaping** within roadway corridor
- **Educate the public** on local water supply and demands

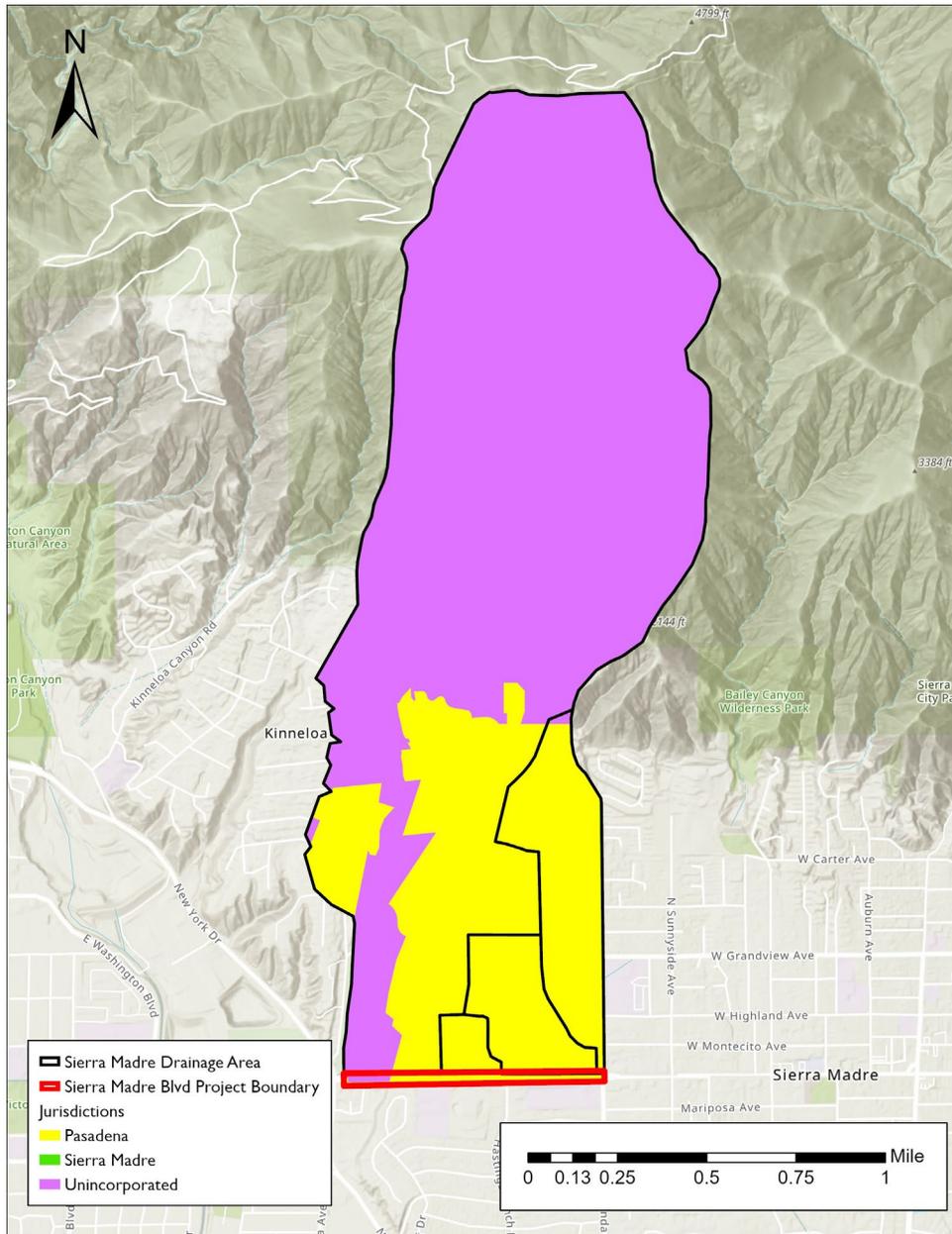


Project Location





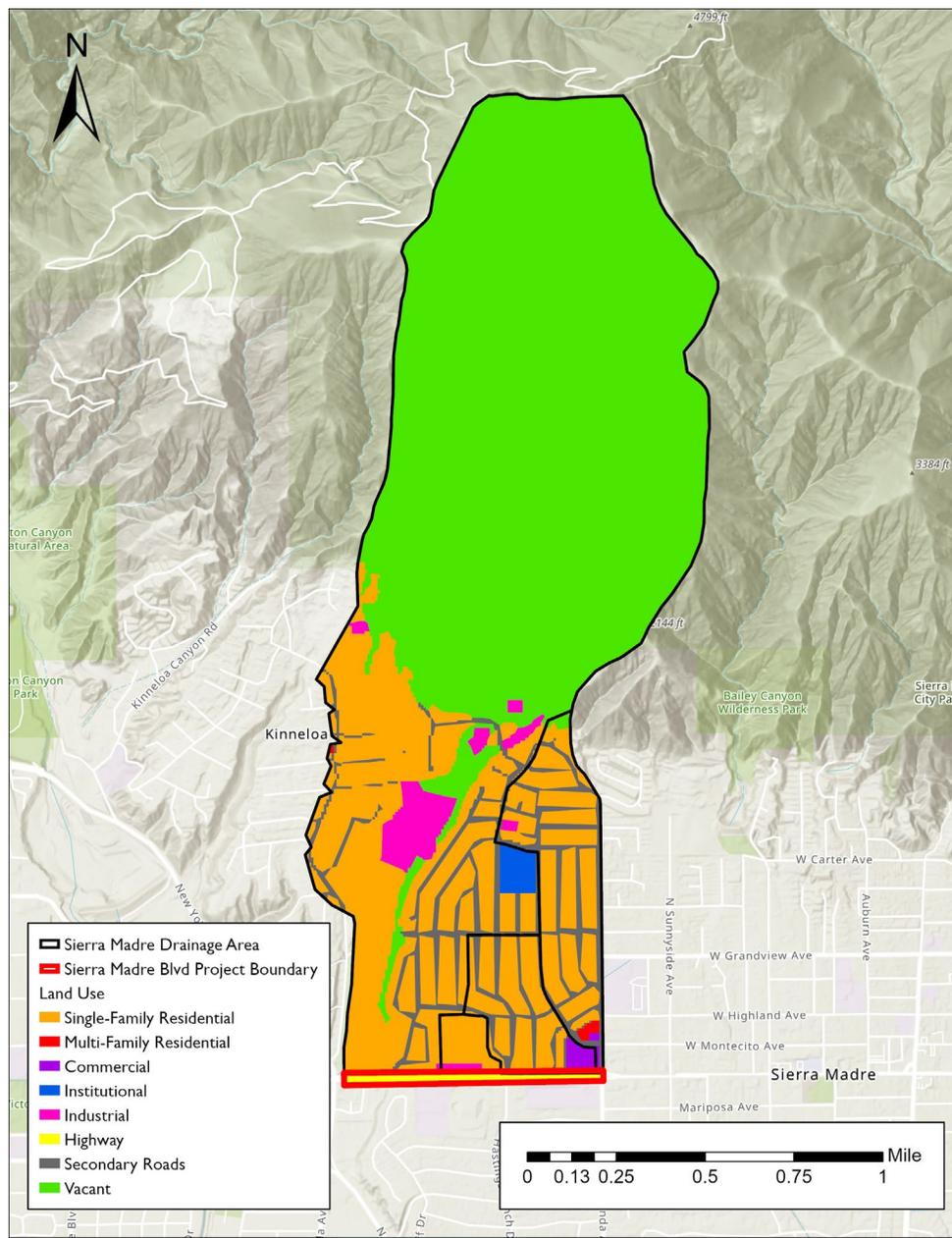
Project Location-Total Capture Area



Jurisdiction	Area (acres)	% Watershed
Unincorporated LA County	980.03	70.76%
Pasadena	403.04	29.1%
Sierra Madre	0.28	0.02%
TOTAL	1,385	100%



Project Location- Land Use

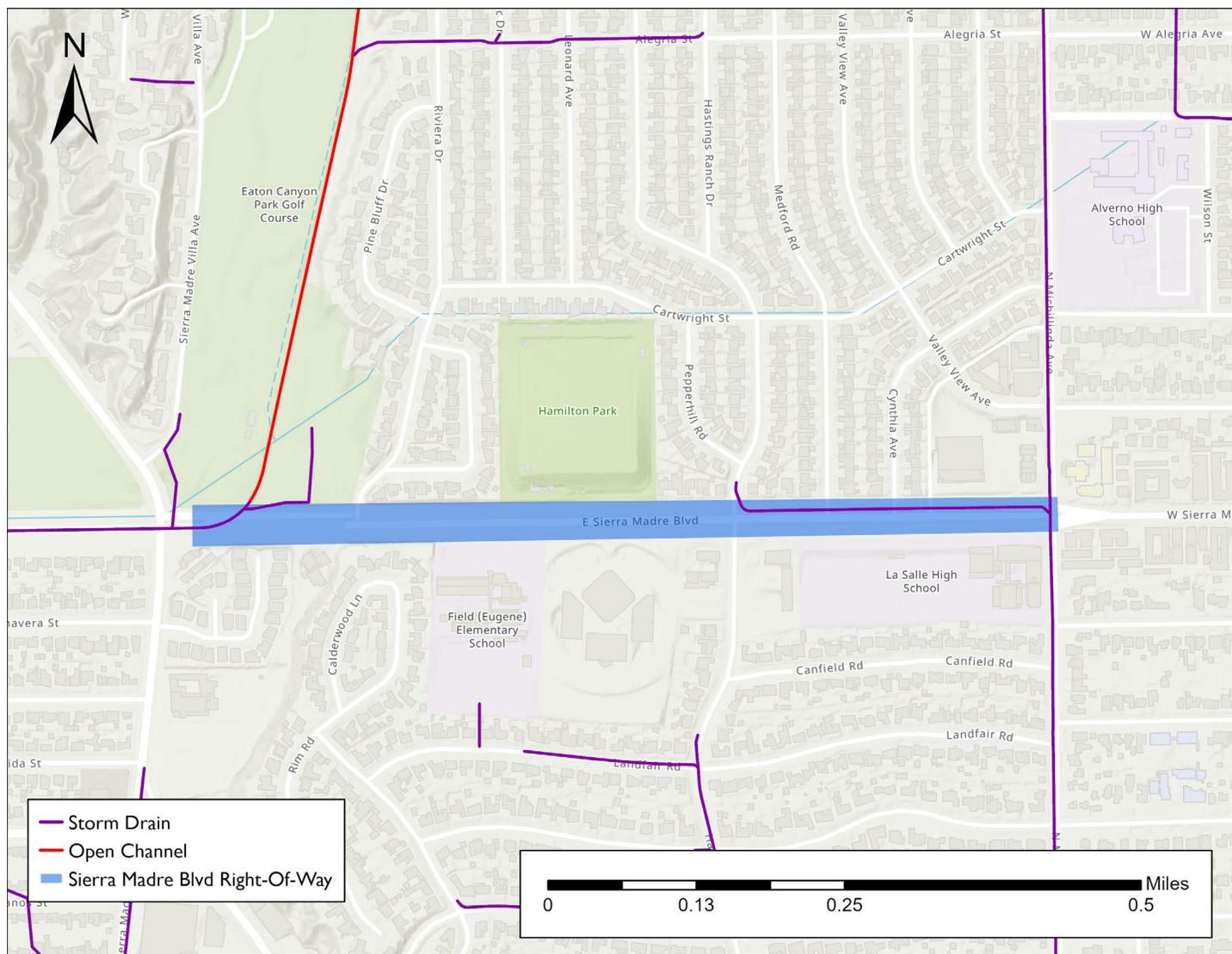


- **Capture area:**
 - Impervious: 190.9 acres (13.8%)
 - Pervious: 1,194.1 acres (86.2%)

Land-use	Area (acres)	% of Impervious
Single Family Residential	92.8	31.4%
Multi-Family Residential	0.8	12.6%
Commercial	4.5	12.2%
Institutional	7.1	5.9%
Industrial	29.5	13.7%
Highway & Interstates	11.9	4.6%
Secondary Roads & Alleys	37.8	19.6%
Vacant	6.5	3.4%
TOTAL IMPERVIOUS	190.9	100%



Project Location- Parcel Maps



The **Sierra Madre Blvd Green Street** site, is owned and operated by the city of Pasadena.



- Site was identified in the **ULAR EWMP** for green street project
- **Beneficial site characteristics:**
 - Significant drainage area size
 - Location of adjacent storm drain
 - Large development area available on Sierra Madre
- Design offers runoff storage and water quality benefits for **EWMP compliance**



Project Benefits



- **Water Quality** improvement in the Eaton Wash and Rio Hondo by removing trash, metals, and nutrients in stormwater and urban runoff
- **Nature-Based** treatment bioswales with sustainable native landscaping and storage
- **Public Access to Waterways** with improved public access to bioswales and development of the pedestrian pathways along the Sierra Madre Boulevard
- **Reduce Heat Island Effect** with additional trees to shade the roadway and conversion of turf grass to native plantings



Project Details- Site Plan



Provides approx 19.5 acre-ft of storage



Permeable Pavement



Bioswale



Pre-Cast Subsurface Infiltration Facility



(Facing north-westerly at La Salle)



(Facing west at towards Eaton Canyon Golf Course)

Existing Conditions

- Hydraulic soil group: A
- Approximate Depth to Groundwater: 300 ft BGS
- Current Use: Public Space (walking trails and lake)
- Owner: County of Los Angeles

*Site governed under ULAR EWMP

*Geotechnical (Desktop) review done

*Alternative footprint sizes and diversion rates examined



Phase	Description	Cost
Planning/Design	Planning and Design cost	\$1,950,000
Construction	Construction cost	\$19,500,000

Annual Costs

Maintenance Cost:	\$125,000
Operation Cost:	\$25,000
Monitoring Cost:	\$15,000
Project Life Span:	50

Funding Request

Year	SCW Funding Requested	Phase	Description
Year 1-(FY 2021-22)	\$300,000	Planning	Feasibility TRP



Questions?