



Holly Park Multi-Benefit Drought Resiliency and Stormwater Infiltration Project

Safe Clean Water Program

Funding Program: Technical Resource Program

Fiscal Year 2023-2024

Watershed Area: South Santa Monica Bay

Project Lead: City of Hawthorne

- Presenters:
 - Dweejal (DJ) Torado, Assistant Engineer, City of Hawthorne
 - Heecheol Kwon, Senior Engineer, City of Hawthorne



Project Overview

Regional stormwater infiltration facility located at Holly Park beneath the open surface of the existing park surface.

- Primary Objective: Remove pollutants (metals & bacteria) through natural filtration and improve water quality of stormwater runoff to Dominguez Channel
- Secondary Objectives: Community recreation enhancement, including restoration of turf for affected ball fields and improvements to surface water quality
- Project Status: TRP
- Total Funding Requested: \$300,000.00





Project Location

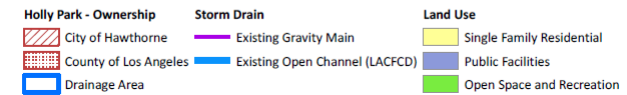
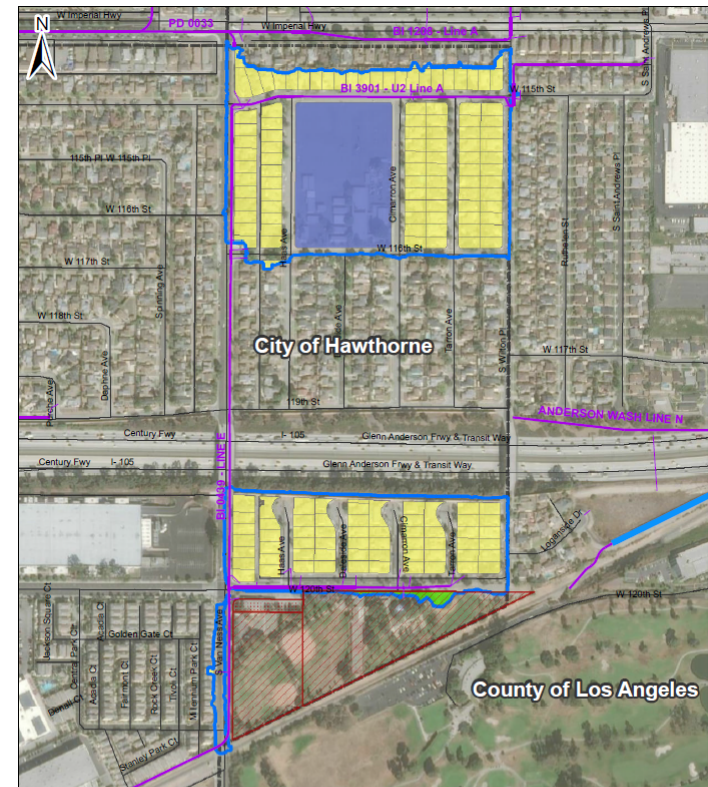
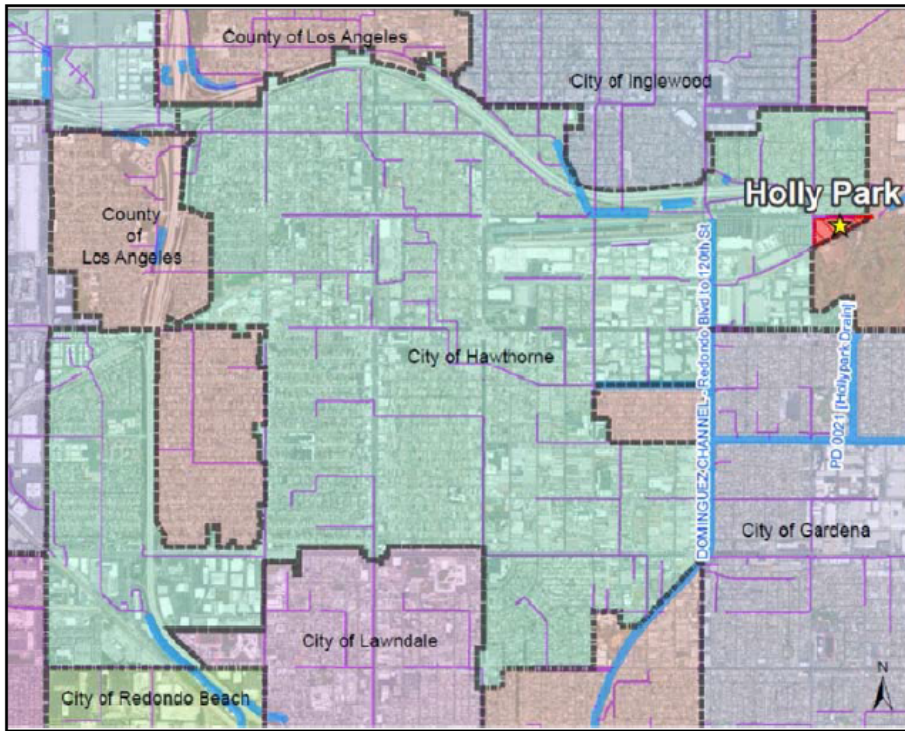


- South Santa Monica Bay Watershed Area





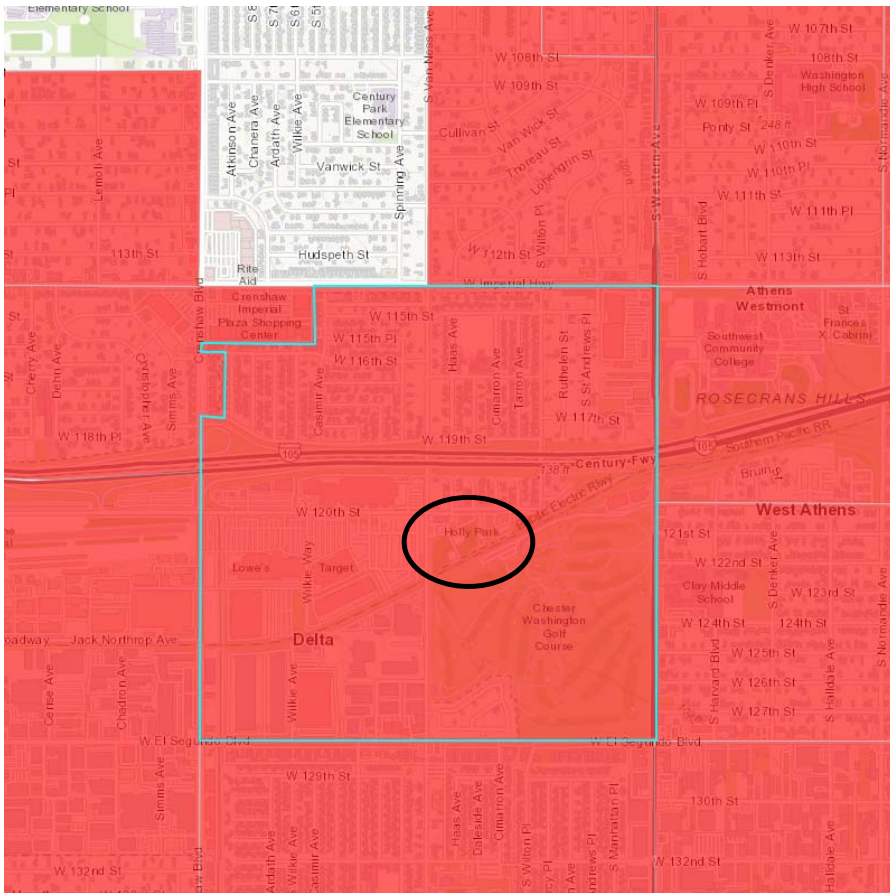
Project Location



- Project Location: Holly Park, City of Hawthorne
- Capture Area: 53 acres



Project Location



- Disadvantaged Communities that will benefit:
 - Holly Park is located within and is entirely surrounded by disadvantaged communities per the 2018 California Department of Water Resources (DWR) California Disadvantaged Communities Mapping Tool



Project Background

- Why was the Project Location selected?
 - The 2016 EWMP, as well as the 2021 update, identifies city-owned parks, such as Holly Park, as optimal locations for stormwater improvement projects that are intended to address stormwater pollution in local waterways.
 - Proximity to the point of diversion from the LACFCD storm drain



Project Background

- How was the Project developed?
 - The Project is a part of a greater regional watershed quality plan that, when implemented, intends to benefit multiple sectors including municipal, environmental, and recreational users.
 - The City of Hawthorne is a member of the Dominguez Channel Watershed Management Group (DC WMG) that has collaboratively created and actively manages the Dominguez Channel Watershed Enhanced Watershed Management Plan (DC EWMP).



Project Background

- Which regional water management plan includes the proposed project?
 - Dominguez Channel Watershed Enhanced Watershed Management Plan (DC EWMP)
- Description of benefits to municipality:
 - Enhances flood retention to reduce peak urban runoff to protect the City's infrastructure
 - Reduces the overall surface water pollution and contamination of rivers, streams and oceans
 - Contributes to enhanced stormwater management practices in the region



Project Background

- Description of benefits to Disadvantaged Communities
 - Improve the accessibility to recreational activities and green, open space in a Disadvantaged Community (DAC) where these resources are limited.
 - Access to a well-maintained park will be beneficial to residents' physical and mental wellbeing.
 - The Park benefits DAC as this part of the City has limited access to green, open space.
 - Bring nature-based enhancements to the park, providing both aesthetic and recreational enjoyment in an area that is highly urbanized and industrial.
 - Improve water quality and reduce flood risks for the local community.



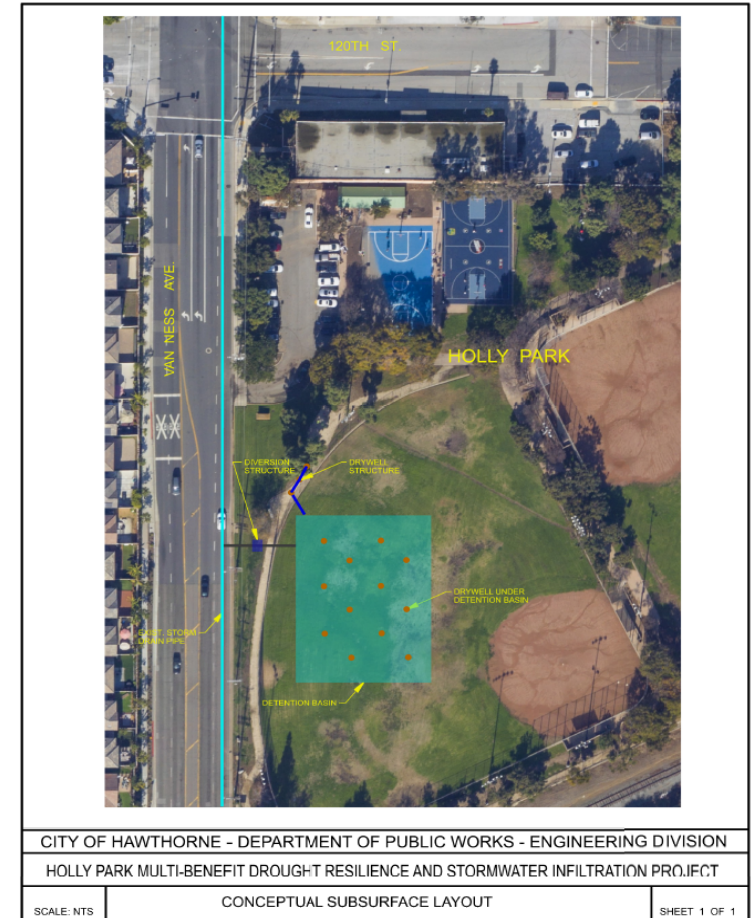
Partners

- Who are the implementation partners already identified?
 - City of Hawthorne
- What communities or groups have expressed support for the project?
 - Holly Park Neighborhood Association
 - Hawthorne Parks and Recreation Foundation
 - City will continue outreach through meetings, mailers, City website, etc.
 - Conduct public meetings to actively engage additional community members



Project Details

- Current Site conditions:
 - Over 11 acres, adequate space for the 0.5-acre stormwater retention facility.
 - Groundwater was not encountered in the borings of 51.5 feet below grade.





Project Details

- Completed Studies/Analysis:
 - A preliminary geotechnical investigation has been conducted at the site for evaluation of the percolation characteristics of the site soils.
 - Study focused on exploratory drilling, soil sampling, test well installation, and field percolation testing.
 - The study found that infiltration is technically feasible with 0.67 in/hr infiltration rate and that a dry well facility is recommended for the site at a depth of 26 feet which will maintain a clearance above groundwater greater than the minimum required clearance of 10 feet.
- Description of any alternatives considered:
 - Currently, the Project is proposed at Holly Park, but an alternative location is within the adjacent street (Van Ness Avenue from 120th Street to El Segundo Boulevard) for drywell green street alternative location.
 - Both Project locations will be considered in the feasibility study.



Cost & Schedule

Phase	Description	Cost	Completion Date
TRP	Feasibility study, geotechnical investigation, community engagement	\$300,000.00	2024
Planning and Design	Early concept design, pre-project monitoring, site investigations, formal project design, intermediate and project completion audits, CEQA and other environmental impact studies and permitting	\$900,000.00	2027
Construction & CM	TBD	\$7,000,000.00	2029
	Project Lifespan		50 years
TOTAL		\$8,200,000.00	



Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$300,000.00	TRP	FY23-24
2			
3			
4			
5			
TOTAL	\$300,000.00		



Questions?

Heecheol Kwon

**Dweejal (DJ)
Torado**