

Darby Park Multi-Benefit Project

City of Inglewood | Technical Resources Program



Project Overview

Background: The 2016 EWMP and the 2021 EWMP update identified Darby Park as an optimal location for stormwater improvements due to the proximity to points of storm drain diversion and because of the need to revitalize the City of Inglewood. This project, located in the Dominguez Channel Watershed, presents an opportunity to further enhance surface water quality by capturing upstream wet-weather runoff and reducing metals such as copper and zinc in surface flow.

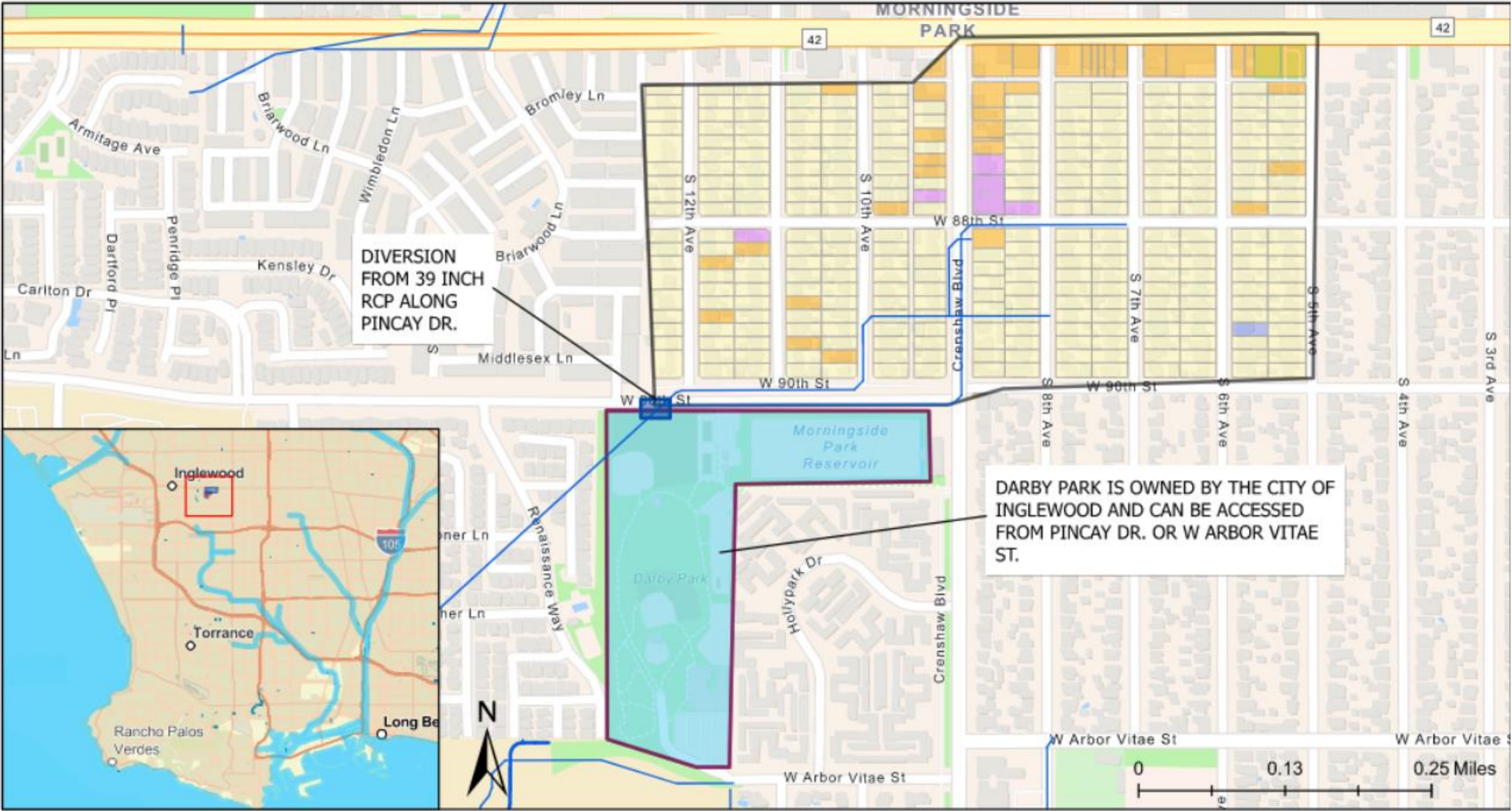
Description: The Project will manage a stormwater volume of 3.7 acre-feet from an upstream drainage area of 72 acres using an infiltration basin. Darby Park covers approximately 19 acres that will provide adequate space for stormwater detention and infiltration.

Total Project Cost: \$4,500,000

Project Benefits:

- ☐ **Water Quality** – The addition of storage and infiltration will remove stormwater runoff that currently contributes to high toxics levels in Dominguez Channel.
- ☐ **Community** – New infrastructure and greenscape at the park, done in tandem with the stormwater enhancements, will add benefits to the surrounding disadvantaged community. Improvements include new and enhanced recreation features, new plantings with native, drought tolerant plants, new shade trees, and benches and other features to promote exercise, socialization, and relaxation in this urban park.

Project Location



Dominguez Channel Watershed
33° 57' 11" N, 118° 19' 44" W

Design Considerations

Design Considerations:

- ❑ Runoff from the 85th percentile, 24-hour storm is (based on LA County isohyets) 1.05 inches and yields a runoff volume of 3.7 AF for the 72-acre drainage area.
- ❑ Surficial soil infiltration rates are approximately 0.54 inches per hour. California Geological Survey soil borings in the Project vicinity show a horizontal soil conductivity of approximately 0.14 inches per hour (fine sands and silt) below ground surface, justifying the use of deep infiltration.
- ❑ Contours from nearby Geotracker wells show a minimum depth to groundwater of approximately 95 feet since 2000.
- ❑ Over 19 park acres are available for development, and the infiltration basin is proposed to have a footprint of 0.27 acres (11,600 square feet) assuming a 14-foot basin height.



The top of the basin will be located 13 feet below ground surface to allow a gravity diversion that flows south from the City of Inglewood storm drain. Although no utility conflicts are apparent, property-specific electric, sanitary sewer and water conveyance will be examined during the feasibility study.



The Inglewood Morningside Reservoir, at the northeast corner of Darby Park, is a water supply reservoir that is currently out of service. This reservoir will not be incorporated into stormwater management.

Community Benefits



- Severely Disadvantaged (Tracts, 2018)
- Disadvantaged (Places, 2018)

Disadvantaged Communities:

The Darby Park drainage area is located within a disadvantaged community (DAC), and potential improvements to this area combined with the stormwater infrastructure could provide much needed community benefits.

Community Benefits:

- ☐ **Recreation:** The upgraded park will provide enhanced opportunities for community gatherings and outdoor activities. Any part of the existing ball field that is disturbed by the stormwater project will be restored to new condition with upgrades.
- ☐ **Health:** Access to a well-maintained park will be beneficial to residents' physical and mental well-being. Increased shade trees will provide more opportunities to seek refuge from the heat.
- ☐ **Greenery:** New vegetation and turf will increase property values and improve mental well-being.



Public Outreach

Outreach:

- ☐ To promote local engagement and participation, the City of Inglewood will seek strong input from the community to develop the park in a way that best serves their needs.
- ☐ The City will conduct public meetings to actively involve community members, including residents, schools, and businesses.

