

Huntington Drive Regional Green Street | City of South Pasadena

Safe, Clean Water Technical Resources Program

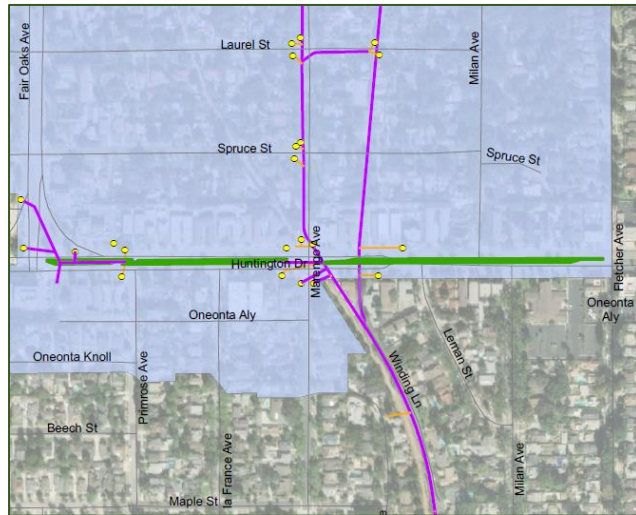


Project Overview

Project Type: Regional Green Street

Location:

- Street medians in the City of South Pasadena
- On Huntington Drive from Fair Oaks Ave to Fletcher Ave



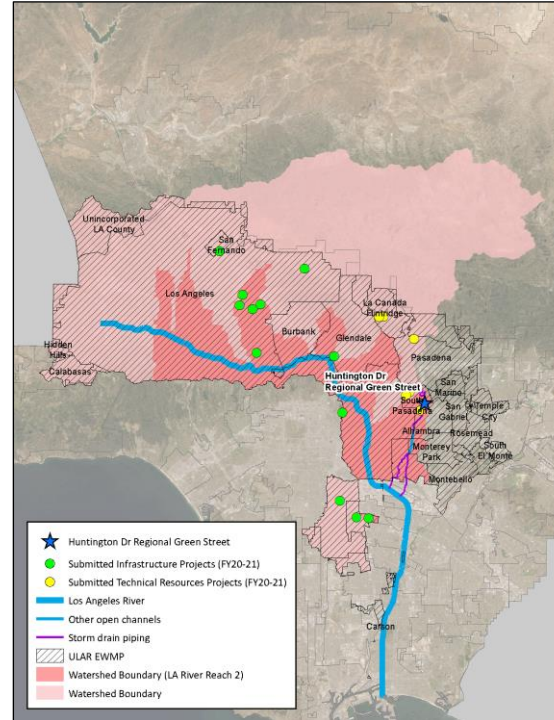
Subwatershed: LA River main stem

Key Benefits:

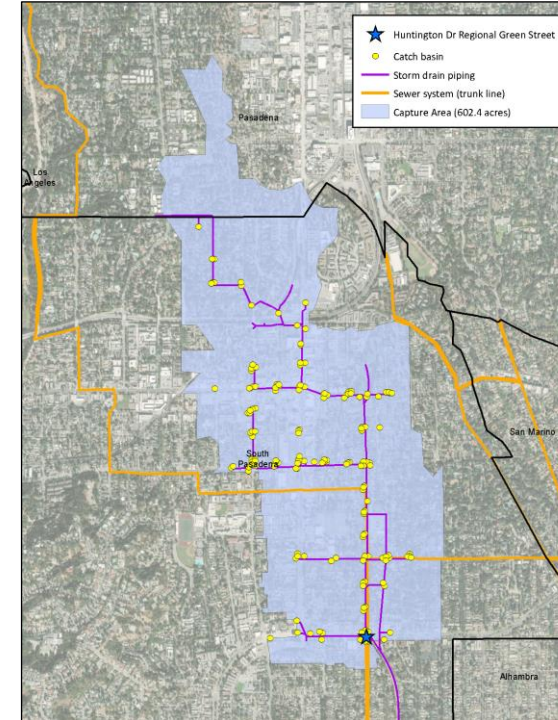
- Water quality (regional stormwater capture)
- Water supply (aquifer recharge or reclamation)
- Nature-based solutions (native planting on medians)
- Community (improvement to medians)
- Identified as a green street location in the EWMP

Funding Request: \$300,000 to prepare a Feasibility Study following SCWP guidelines

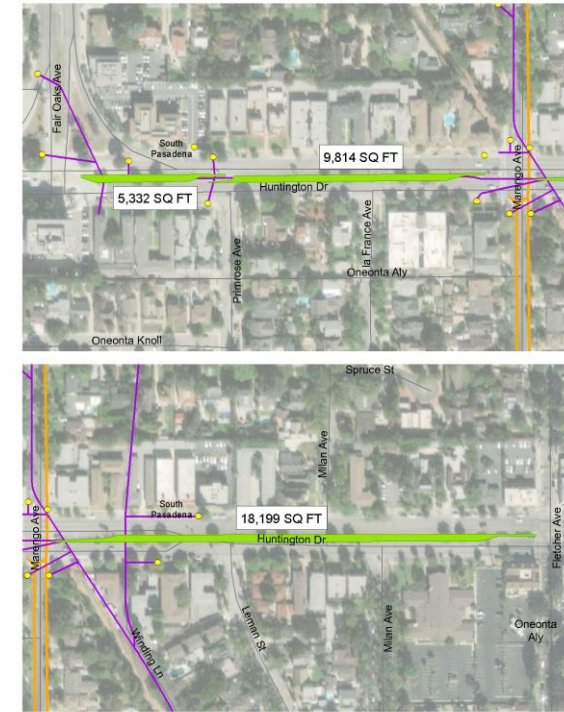
Water Quality & Supply



The street medians are located within the eastern limit of the Upper LA River watershed management area. The project discharges through underground storm drains, daylights in the Laguna Channel for a stretch, then returns to underground storm drains before reaching the main stem of the LA River.



An underground storm drain line with an upstream drainage area of ≈600 acres passes underneath the west end of one of the street medians, just east of the intersection of Huntington Drive and Marengo Avenue.



The medians have ≈0.77 acres of open space. The space below the medians could be used to divert runoff from the adjacent storm drain. For the purposes of this application, the available capture capacity is estimated at 5 acre-feet. The actual capacity would be determined through the Feasibility Study requested through this application.

Water Quality & Supply (continued)

Community Benefits



Underground regional infiltration system below a street median

The regional stormwater and urban runoff flows identified on Page 1 could be captured with underground storage chambers or dry wells located beneath the medians. Along with the median improvements identified in the “Nature Based Solutions” section below, the project could be considered a “regional green street”: Providing both the nature-based and community benefits of a green street with the water quality and supply benefits of a regional stormwater capture project.

If a feasibility study deems infiltration infeasible, captured runoff could be detained, then released to an existing 18-inch sanitary sewer trunk line that passes the intersection of Huntington Drive and Marengo Ave. Captured water could also be used to supplement irrigation of the median. This would be determined through the Feasibility Study requested through this application.

- Beautification of street (via replacement of the existing turf with native plants)
- Enhanced habitat (via replacement of the existing turf with native plants including potentially native trees)
- Improved flood protection
- New educational opportunities (via educational signage that may be incorporated in the walkways at pedestrian crossings)

Nature Based Solutions

This project provides an opportunity to improve the existing turf on the medians by replacing it with drought tolerant, native plant species. This would complement and continue the adjacent project that was recently completed for the triangular median at Fair Oaks Ave and Huntington Drive. The triangular median is just 50 feet from the westerly median within this project scope.



Existing medians on Huntington Drive



Potential median improvement
(picture taken from recent landscaping project at adjacent median)



Consideration of native trees