

# Whitnall Highway Power Line Easement Stormwater Capture Pilot Project

## PROJECT DESCRIPTION

The Power Line Easement is located along Whitnall Highway from Vineland Avenue to Cahuenga Boulevard. This project is one of various stormwater capture projects and studies in the San Fernando Valley that will contribute to recharge the San Fernando Groundwater Basin, improve downstream surface water and groundwater quality in the city of Los Angeles, as well as reduce local flooding. A recharge of approximately 110 ac-ft of stormwater per year could be achieved. In order to accomplish the goals of the project, stormwater runoff will be captured at several locations along the easement and then directed into a network of swales, culverts, hydrodynamic separators and infiltration basins for pre-treatment and infiltration. This proposed project will improve the health and long-term sustainability of the San Fernando Groundwater Basin, increase local groundwater supplies, and reduce the region's reliance on water imports.

## PROJECT LOCATION

This Whitnall Highway Power Line Easement Stormwater Capture Pilot Project is located in the Sun Valley Watershed in the northeast San Fernando Valley. The proposed segment of the power line easement runs from Vineland Avenue in the northwest to Cahuenga Boulevard in the southeast. The sub-watershed area from which flows will be collected is bounded on the north by Victory Boulevard, on the west by Vineland Avenue, on the south by the Whitnall Highway, and on the east by Cahuenga Boulevard. Council Districts (CD) 2 – Paul Krekorian & CD 4 - Tom LaBonge.

## PROJECT BENEFITS

- SFB Recharge of 110 AF per year
- Peak flow attenuation and improved water quality downstream in the Los Angeles River
- Reduced local flooding
- Open space opportunities including walking trails, educational signage, and native habitat

## PROJECT SCHEDULE

- Design in FY 2013-14
- Construction in FY 2014-15

## PROJECT COST

The land is already secured and the estimated construction cost is \$7.3M.

## PROJECT PARTNERS/SUPPORTERS

- Los Angeles Department of Water and Power
- County of Los Angeles Department of Public Works
- City of Los Angeles Department of Public Works
- The Cities of Glendale and Burbank
- Upper Los Angeles River Area Watermaster
- TreePeople, Inc.
- Sun Valley Watershed Stakeholders Group

## COOPERATIVE EFFORTS

- LADWP Urban Water Management Plan 2010
- City of Los Angeles' Integrated Resource Plan (IRP)
- Sun Valley Watershed Management Plan
- Los Angeles River Revitalization Master Plan
- Metropolitan Water District of Southern California MWD-IRP
- Water Quality Compliance Master Plan for Urban Runoff

