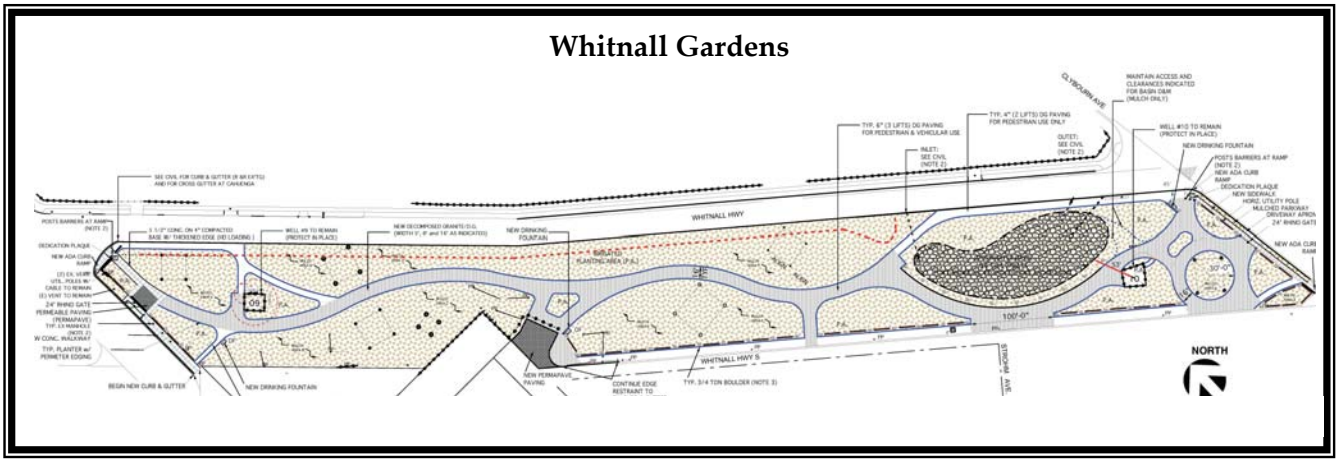
Whitnall Gardens Demonstration Project

PROJECT DESCRIPTION

This is a power system project developed as a conservation garden including drought tolerant planting, a walking path, and a stormwater capture element. Because this site is immediately south of the Whitnall Powerline Easement project, the stormwater capture component serves on a small scale as a demonstration to other projects in the San Fernando Valley which share similar soil characteristics. An infiltration test was conducted at this site in March 2009, which proved the soils in this area to be excellent for infiltration at a rate of 8.2 ft/day. The proposed stormwater basin is 16,000 sq.ft. and 2 ft. deep. Stormwater runoff will be captured on the northwest corner of the easement at the intersection of Cahuenga and Whitnall where large flows accumulate. An underground culvert box will intercept some of these flows at Cahuenga Blvd. and direct them along Whitnall highway through the gutters and into the basin for infiltration. Any excess stormwater will be diverted into a nearby storm drain.



PROJECT LOCATION

The Whitnall Gardens easement is located along Whitnall Highway between Cahuenga Blvd. and Clybourne Street in the Sun Valley Watershed in the northeast San Fernando Valley. Council District - 4 Tom LaBonge.

PROJECT BENEFITS

- Excellent infiltration recharge of 8.2 ft/day.
- Possibly recharge about 87 AFY.
- Peak flow attenuation and improved water quality downstream in the Los Angeles River.
- Reduced local flooding.
- Open space opportunities including walking trails and drought tolerant planting.

PROJECT SCHEDULE

- Design in progress by Bureau of Sanitation.
- Construction TBD.

PROJECT COST

- Total Construction Cost is currently estimated at $1.3M.
- Los Angeles Department of Water and Power

PROJECT PARTNERS/SUPPORTERS

- City of Los Angeles Public Works - Bureau of Sanitation.