PACOIMA SPREADING GROUNDS

BASIN ENHANCEMENT PROJECT

Expanding and reconfiguring the spreading basins to increase the spreading grounds' storage capacity, percolation rate, and annual water conservation.

Pacoima Spreading Grounds

- Owned and operated by the Los Angeles County Flood Control District
- 169 acre facility located in the Arleta and Mission Hills neighborhoods in the City of Los Angeles.
- Average annual groundwater recharge is currently 6,900 acre-feet per year.

History

- Initial construction on the spreading grounds was completed in 1932.
- The spreading grounds have been modified repeatedly with the last major basin reconfiguration and expansion being completed in 1991.

Proposed Project

- Reconfiguring the spreading basins and expanding the storage capacity by combining and deepening the existing basins.
- Removing the low permeability clay layers and backfilling with higher permeability soil to increase the percolation rate.
- Replacing the intake canal with buried pipes to eliminate a localized flooding risk and create new open space.
- Exporting 1.37MCY of excavated material to Vulcan facilities.
- Estimated construction cost of $28M will be funded by the LACFCD, $4M from state Proposition 84 grant funds and up to $15M from the LA Department of Water and Power.
- Future modifications to incorporate native vegetation, recreation, and educational enhancements are being planned.

Project Justification

- Pacoima Spreading Grounds is one of the major water conservation facilities that recharges the San Fernando Groundwater Basin.
- 12% of the Los Angeles Department of Water and Power's water supply is from groundwater.
- The soil underlying Pacoima Spreading Grounds contains layers of low permeability clay which reduce the spreading grounds' percolation rate and limit the amount of water that can be conserved.
- The project will increase annual water conservation by 10,500 acre-feet and reduce the region's reliance on imported water.

Anticipated Project Schedule

Design	**May 2011 – September 2014**
Initial Study	**April 2013 – December 2014**
Mitigated Negative Declaration	**January 2015 – February 2016**
Advertise & Bid Opening	**February 2016 – July 2016**
Construction start	**Spring 2017**

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