



# Los Angeles County Flood Control District



## Lower May Sediment Placement Site Landscaping Improvement Project

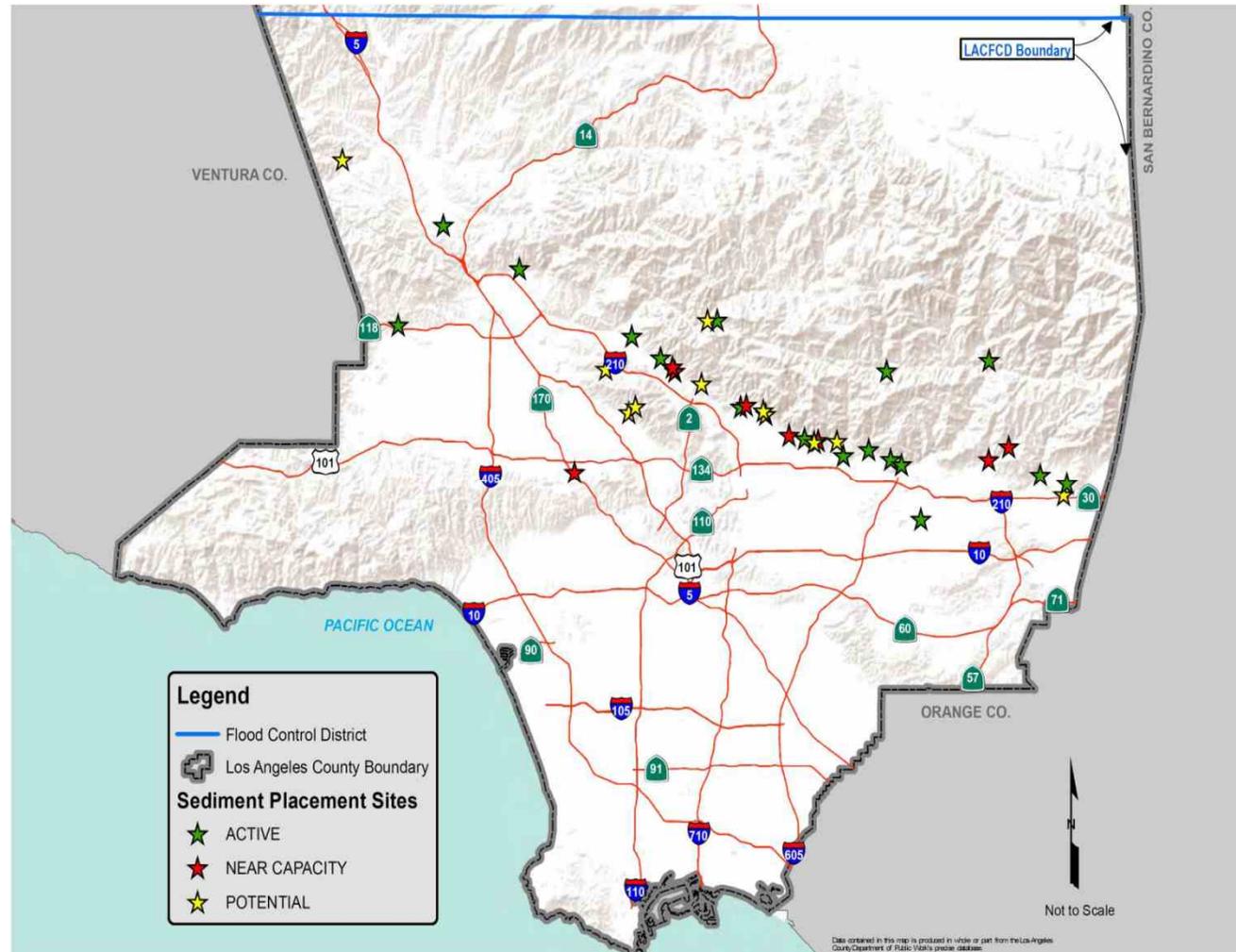
Presented By: Patricia Wood, Senior Civil Engineer

# FLOOD CONTROL DISTRICT



Owns and operates complex flood protection and water conservation systems that include:

- 14 major dams
- 162 debris basins
- 500 miles of open channels
- 36 sediment placement sites
- 27 groundwater recharge facilities

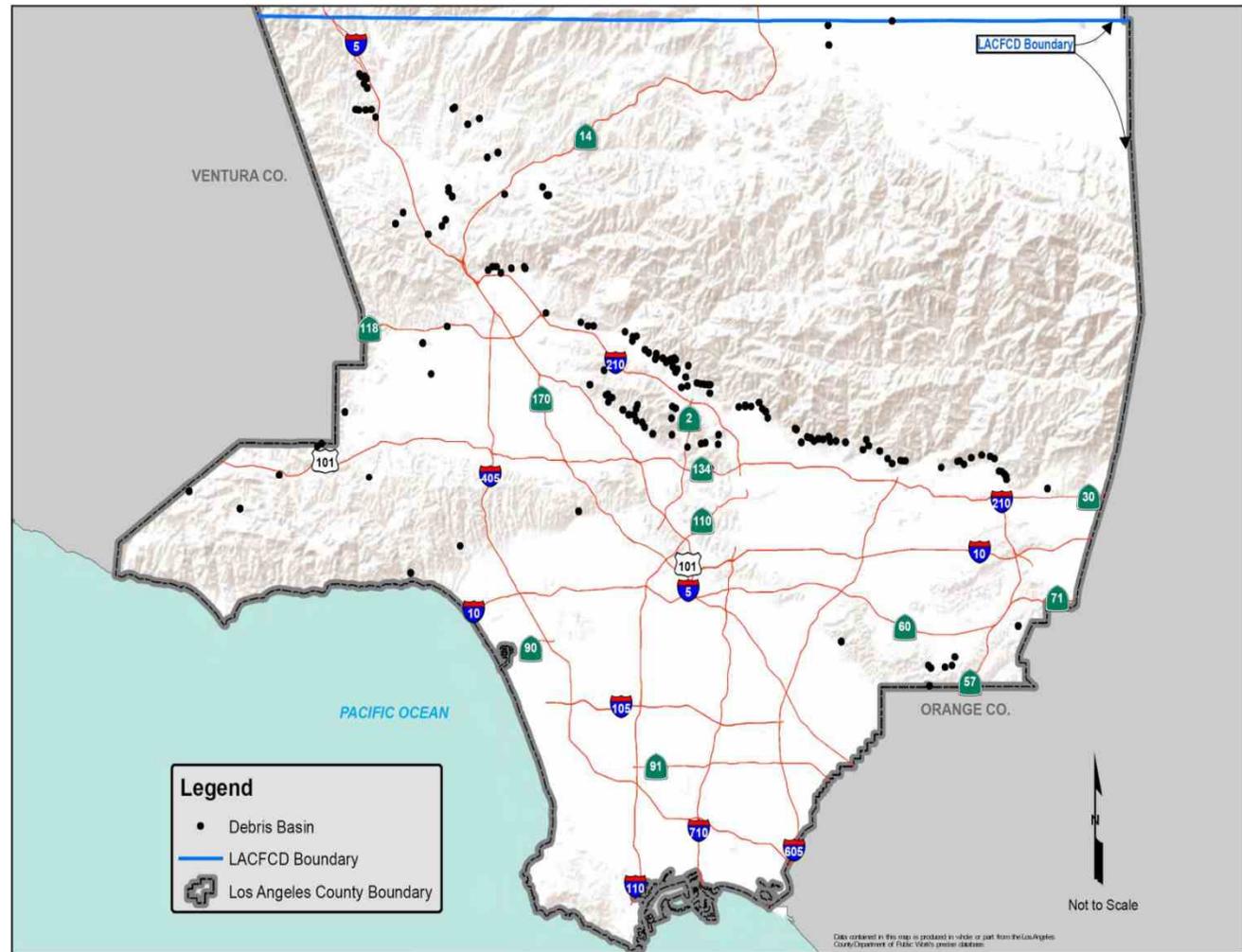


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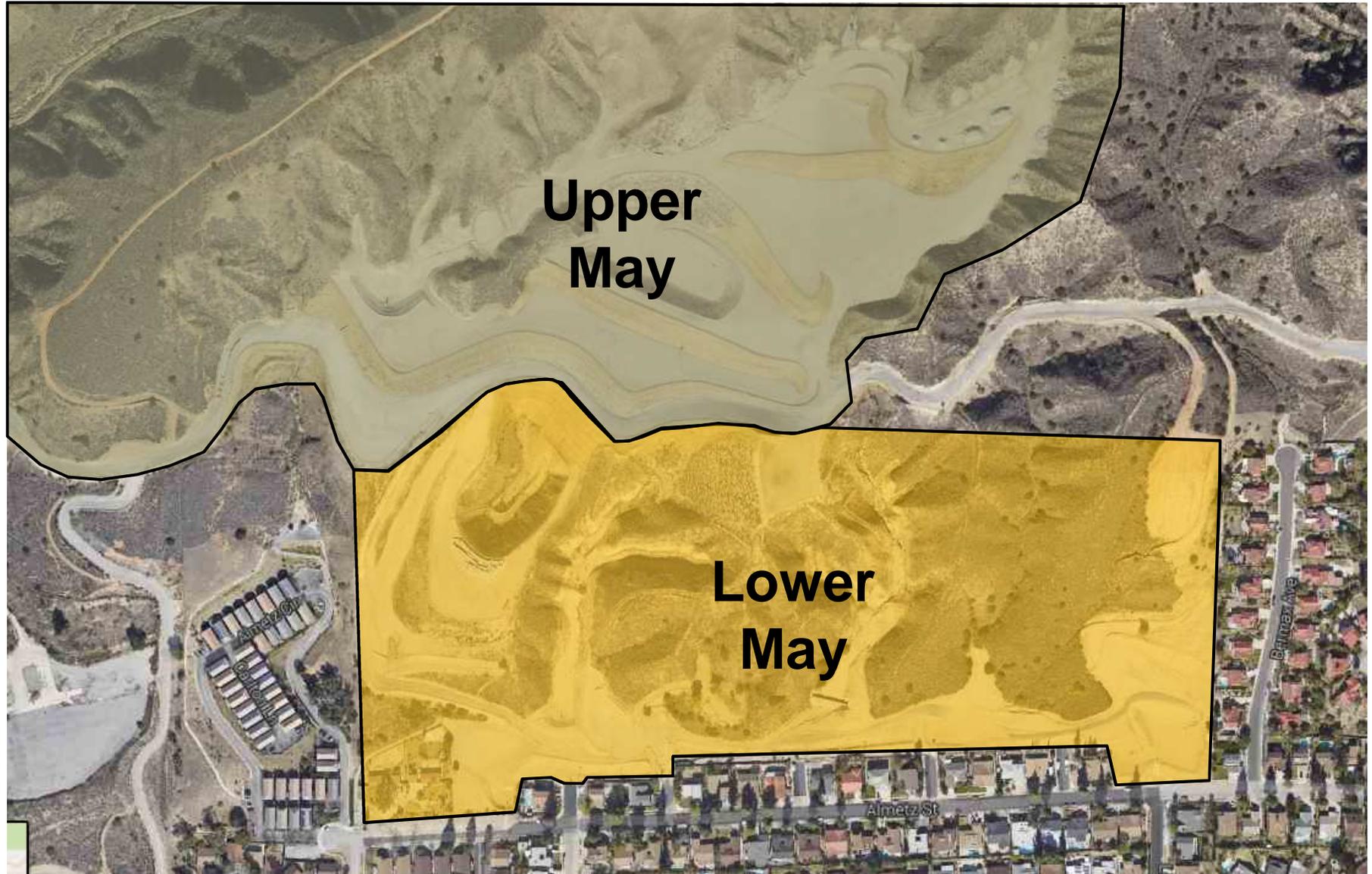
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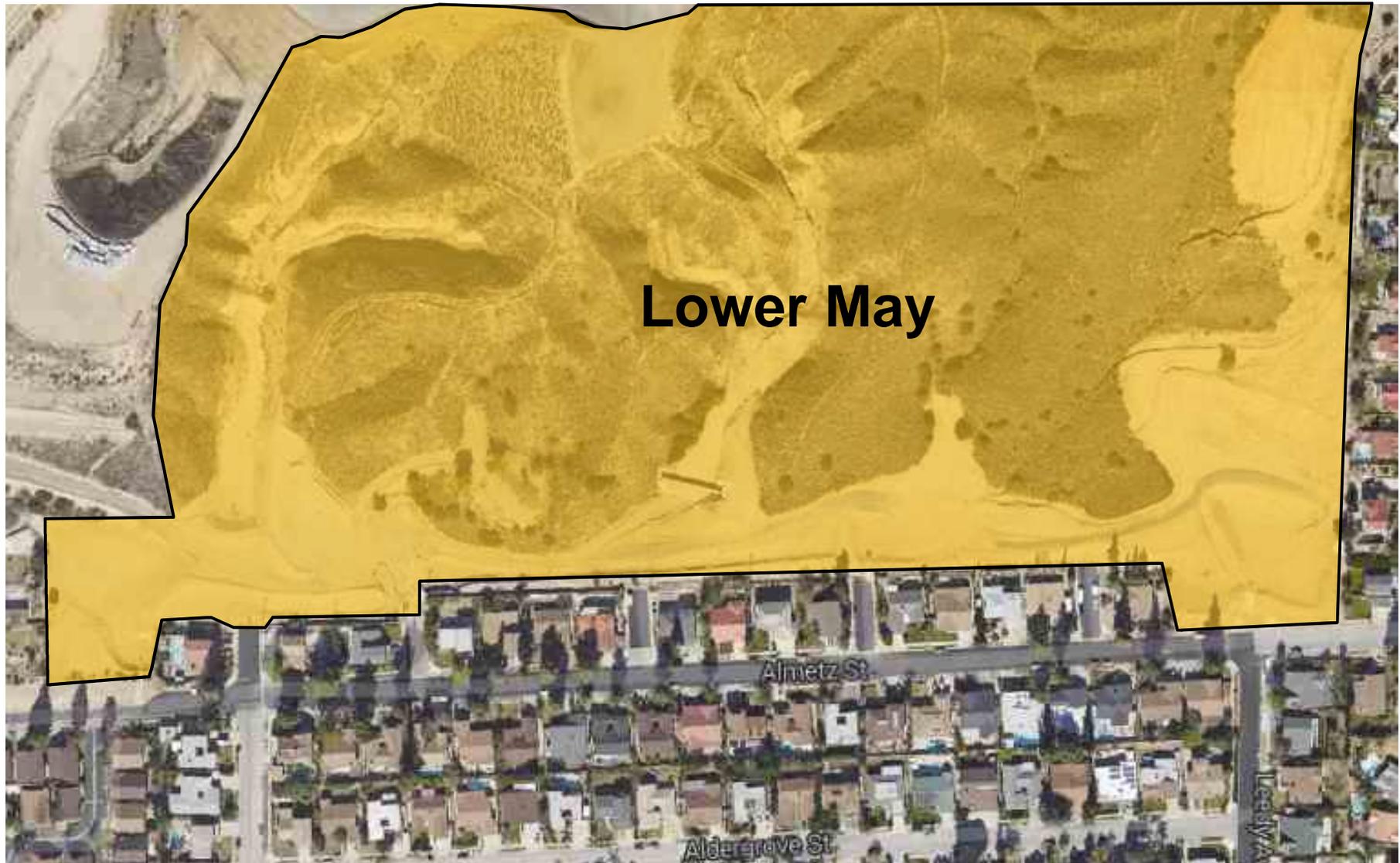
# MAY SPS VICINITY MAP



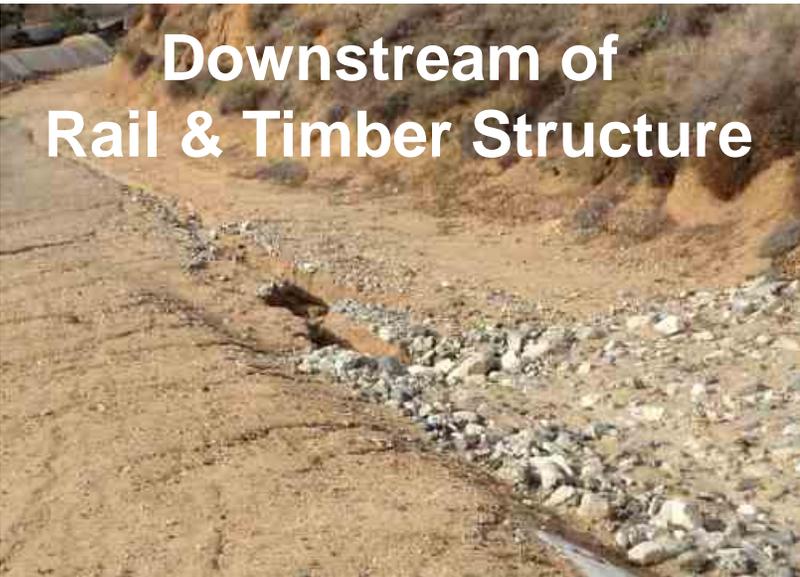
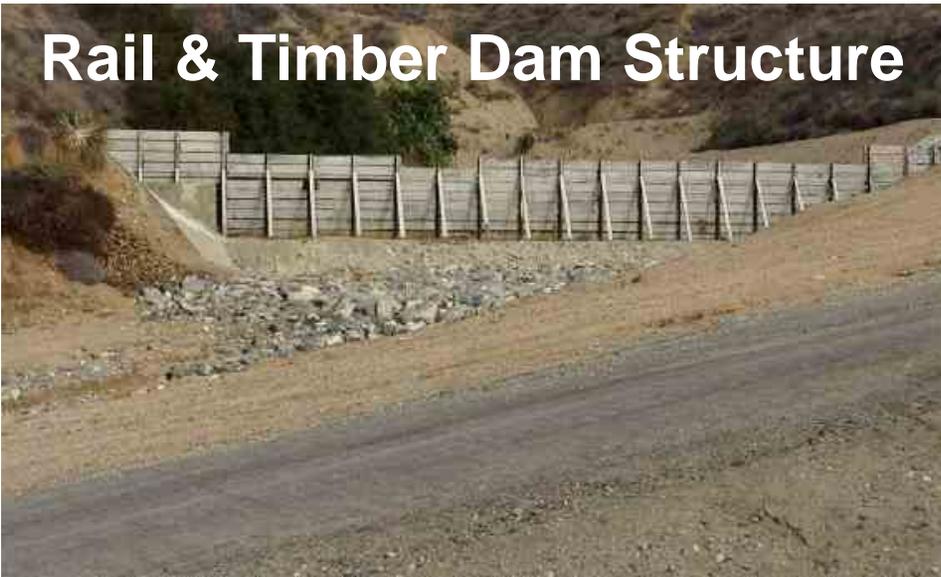
# MAY SPS VICINITY MAP



# PROJECT BOUNDARIES

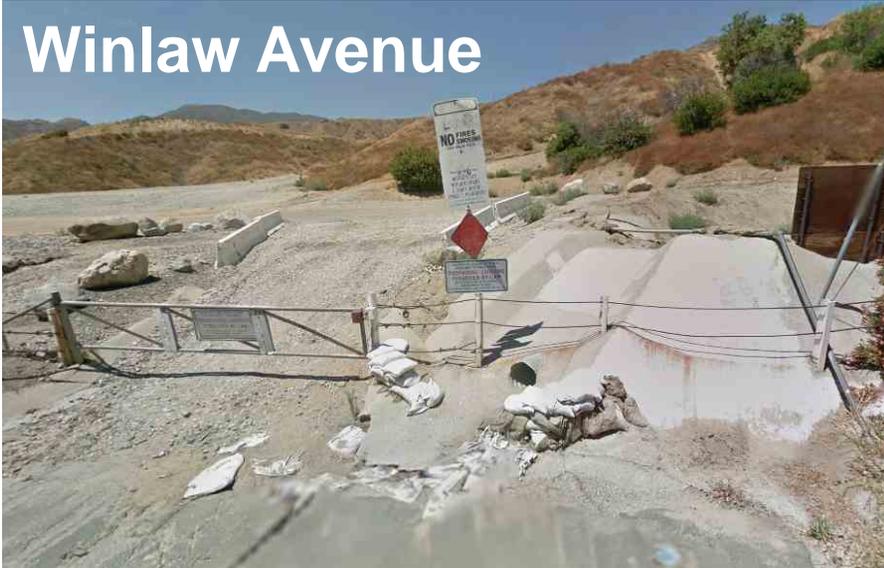


# CURRENTLY INSTALLED FEATURES



# CURRENT CUL-DE-SAC CONDITIONS

Winlaw Avenue



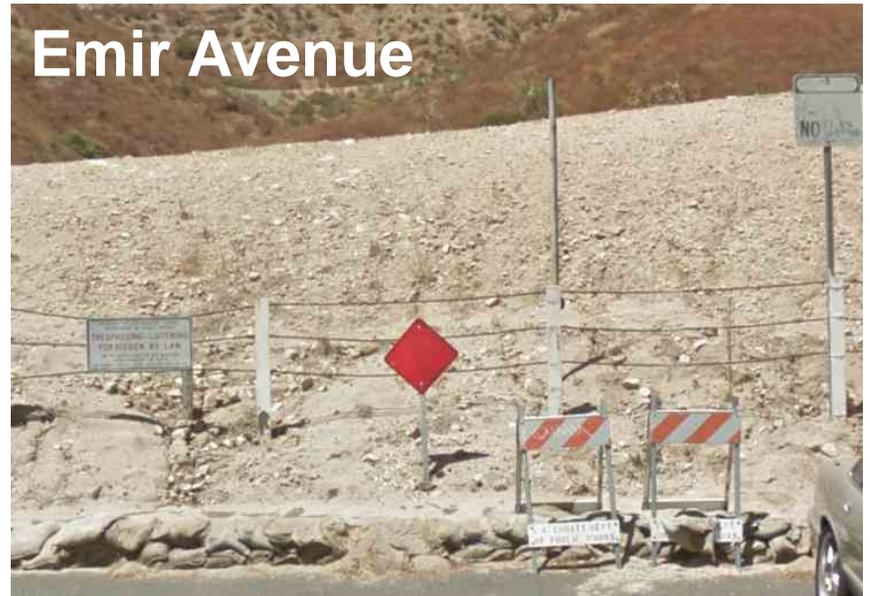
Leedy Avenue



Barner Avenue



Emir Avenue



# PROJECT GOAL

Improve the appearance of May Sediment Placement Site's "front yard" with the neighborhood.

# PROJECT ELEMENTS

- **Landscaping** -- native species of trees, shrubs and ground cover.
- **Ornamental fencing** -- at high visibility locations.
- **Basin improvements** -- Enlarge basins and install improved outlet structures
- **Earthen swale improvements** –
  - Re-locate outlet away from a Winlaw Avenue and to a de-silting basin.
  - Place caged rock (gabions) so flows don't erode within the swale and add to the flows' sediment load.
- **Hydroseeding** -- native ground cover species in areas just above the basins.

# PROPOSED IMPROVEMENT MEASURES



## California Native Landscaping

- Region appropriate plants, trees and shrubs will provide an improved natural aesthetic and will be low maintenance & drought tolerant.



## Hydroseeding

- Spray-on native seed mix for slopes will provide vegetation to larger area to beautify site and minimize sediment transport.



## Caged Riprap (Gabions)

- Caged stones along drainage channel will provide for improved sediment removal of runoff.

# PROJECT CONCEPTUAL DESIGN

## BARNER AV / WINLAW AV VICINITY



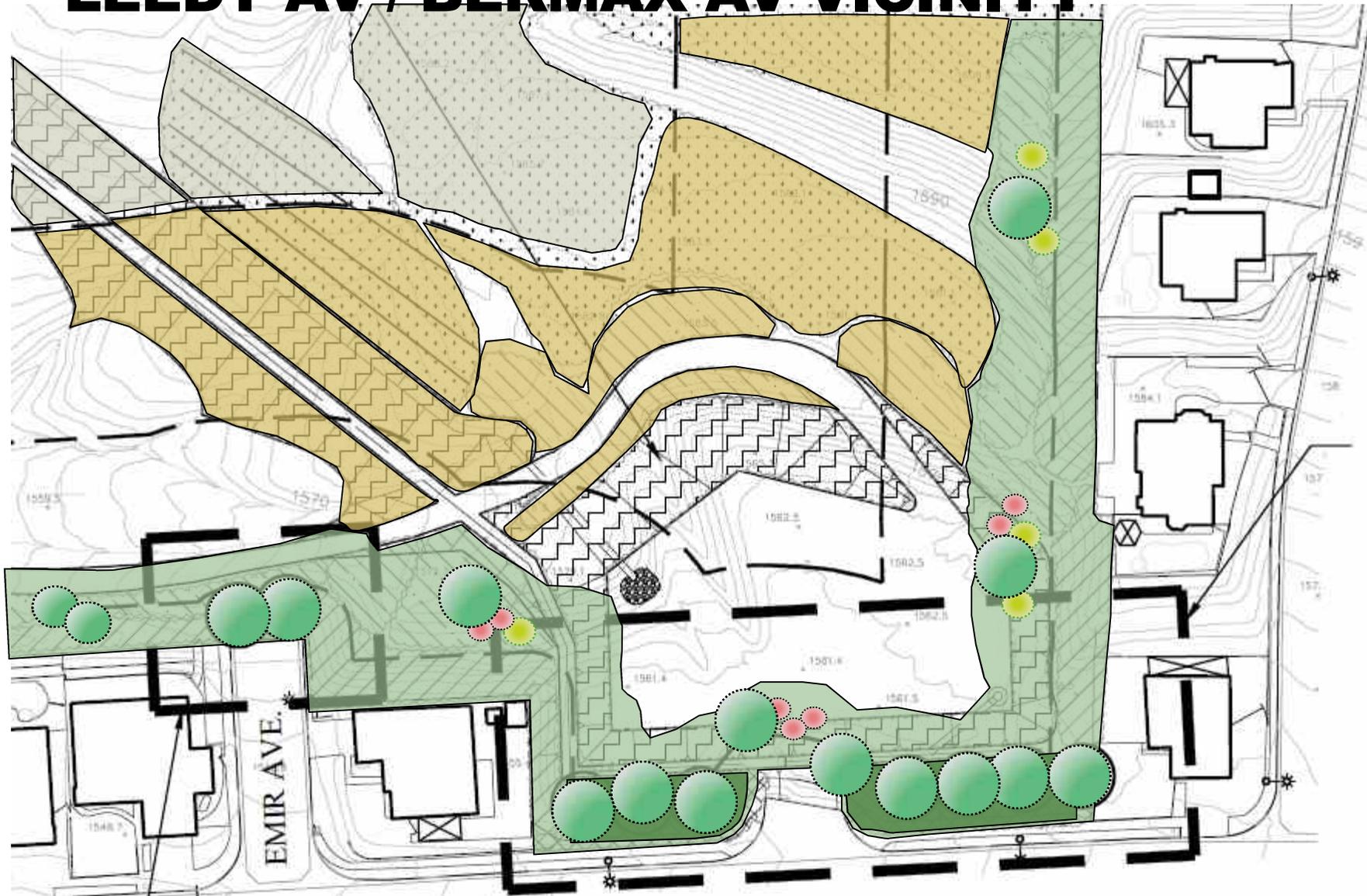
LEGEND	Description
	Street Beautification: Controlled Groundcover, Native Plants/Trees
	Zone A : Controlled Groundcover Native Plants/Trees
	Zone B & C: Ornamental Low Growing Native (Hydroseed)
	Zone C & Beyond: Chaparral Mix (Hydroseed)





# PROJECT CONCEPTUAL DESIGN

## LEEDY AV / BERMAX AV VICINITY



# CALIFORNIA NATIVE LANDSCAPING TREES



California Holly (Toyon)



Western Redbud



Desert Willow

# CALIFORNIA NATIVE LANDSCAPING TREES



Little Leaf Palo Verde



Hollyleaf Cherry



Western Redbud

# CALIFORNIA NATIVE LANDSCAPING SHRUBS



California Flannel Bush



Coffeeberry



California Fuchsia

# CALIFORNIA NATIVE LANDSCAPING GROUNDCOVER



Dwarf Coyote Brush



Woolly Yarrow



Silver Spreader

# CALIFORNIA NATIVE LANDSCAPING GROUNDCOVER



Heuchera Coral Bells



Santa Barbara Daisy



Cape Sebastian (seaside daisy)

# TIMELINE

The proposed project timeline is as follows:

Milestone	Estimated Completion
Conceptual Design	Completed
Community Meeting	March 2015
Final Design	August 2015
Community Meeting	September 2015
Contract Award	Summer 2016
Basin Work	Fall 2016
Planting	Fall – Winter 16/17
Maintenance	Ongoing following completion of construction

# CONSTRUCTION/INSTALLATION

At the start of construction, residents may see:

- Trucks carrying grading equipment to the site that will be used to increase the size of the site's basins.

Residents may also see:

- Equipment such as loaders that will be used to place the caged rock (gabions) in the drainage swale.

During planting/irrigation/fencing installation, residents may see:

- Trucks delivering irrigation pipes/parts, the ornamental fencing and the plants and mulch.
- Hydroseeding equipment that may include trucks that look like water trucks.

Noise

- Consistent with property improvement projects (trucks, equipment, construction personnel).
- Compliance with City's Noise Ordinance

# PROJECT SITE MAINTENANCE

Upon project completion, the following maintenance will be performed on the site:

- Plant establishment:
  - Irrigation for first 2-3 years (per City of LA Drought Ordinances)
  - Weeding
- Basin maintenance:
  - Periodic cleanouts to maintain peak storm water and sediment retention capacity
  - Frequency to depend on storm events

Questions?

