LABT
Prop O Grant Presentation for Glenoaks Water Capture Project
Los Angeles Beautification Team

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LABT Thanks Mentoring City Agencies

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Bureau of Street Services
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Contract Administration
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LABT Would Also Like To Thank

Sanitation Yard Staff
Kenneth B. Rozier
Michael Flowers

Public Works Staff
Rudy Aguilar
Roy Ponce

Los Angeles Fire Department
Chief Kevin Nida

And to our first mentor, Congressman Tony Cardenas
Glenoaks Blvd Drainage Area
Glenoaks Bioswale and Dry Well City Right of Way Project On Site Stormwater Diversion Project

LABT Project Scope

Installed Six Bioswales in City Right of Way, the first with the City’s new standard plans

Sidewalk removals, soil removals from dry well installation, street piping, building of catch basins, and street and sidewalk restoration and improvements

Parkway planter box with stormwater capture piping and drainage areas

14 hazardous trees removed, replaced with fourteen 36” box trees

Job Training for 8 youth trainees

Torrent Resources

Installed four double chamber Dry Wells
Glenoaks Bioswale and Dry Well City Right of Way Project On Site Stormwater Diversion Project

Stormwater Capture

The Watershed that flows into the Glenoaks drainage area, in an average rainfall year sends 300 acre feet of water onto this 4 block long area.

It is estimated that for each rain event each Dry Well will take in 1.1 acre feet of stormwater (based on water capture capacity of each Dry Well, site soil percolation rate and saturation point)

Multiplied by 26 rain events annually, the Dry Wells will capture approximately 28.6 acre feet of stormwater annually.

The Bioswales calculation is not finalized, but they are estimated to capture over an additional 4 acre feet of stormwater.

This project will capture over 30 acre feet of stormwater in an average rain fall year, approximately 10% of all the stormwater flow.

That leaves the remaining 270 acre feet of stormwater to capture.
Tree Planting
Concrete Cutting For Dry Wells
Concrete Demolition for Bioswales
Concrete Demolition for Bioswales

11/12/2012
Concrete Removal

Bobcat

11/25/2012
Inlet Concrete Coring 4ft Bioswale
Inlet Concrete Coring 2ft Bioswale
Bottom Liner Installation is Permeable Cloth
Framed Bioswale Walls and Curbing
Concrete Finishing
Soil and Plant Installation
Completed 4 ft Wide Bioswale
Completed Curb with Coring and Caps
Glen Oaks Drywell Project

Modified MaxWell® Plus Drainage System Detail And Specifications

Primary Settling Chamber

Inlet Pipe Invert

Inlet Height

Intake Height

Overflow Height

Settling Chamber Depth

Estimated Total Depth With 1' Penetration Into Permeable Soils

The MaxWell® Plus
Manufactured and Installed by Torrent Resources
An evolution of McGuckin Drilling
www.torrentresources.com

ARIZONA 602/298-0785
NEVADA 702/366-1234
CALIFORNIA 661/947-6836
Drywell Drilling
Concrete Liner Installation
Catch Basin and Warped Gutter
Piping from Catch Basin to Drywell on Dora Street
Slurry Installation for Street Restoration
Restoring Sidewalk
Sidewalk Concrete Finishing
LABT Street/Sidewalk Restoration for Dry Wells
Completed Warped Gutter and Catch Basin
LABT Street/Sidewalk Restoration for Dry Wells
Interior of the Drywell
Stormwater Measurement Meter
Ongoing Stormwater Capture In Action
Ongoing Stormwater Capture in Action
4ft Bioswale Ongoing Percolation of Stormwater
2ft Bioswale Ongoing Stormwater Capture
2 ft Bioswale Ongoing Percolation of Stormwater (note water line mark)