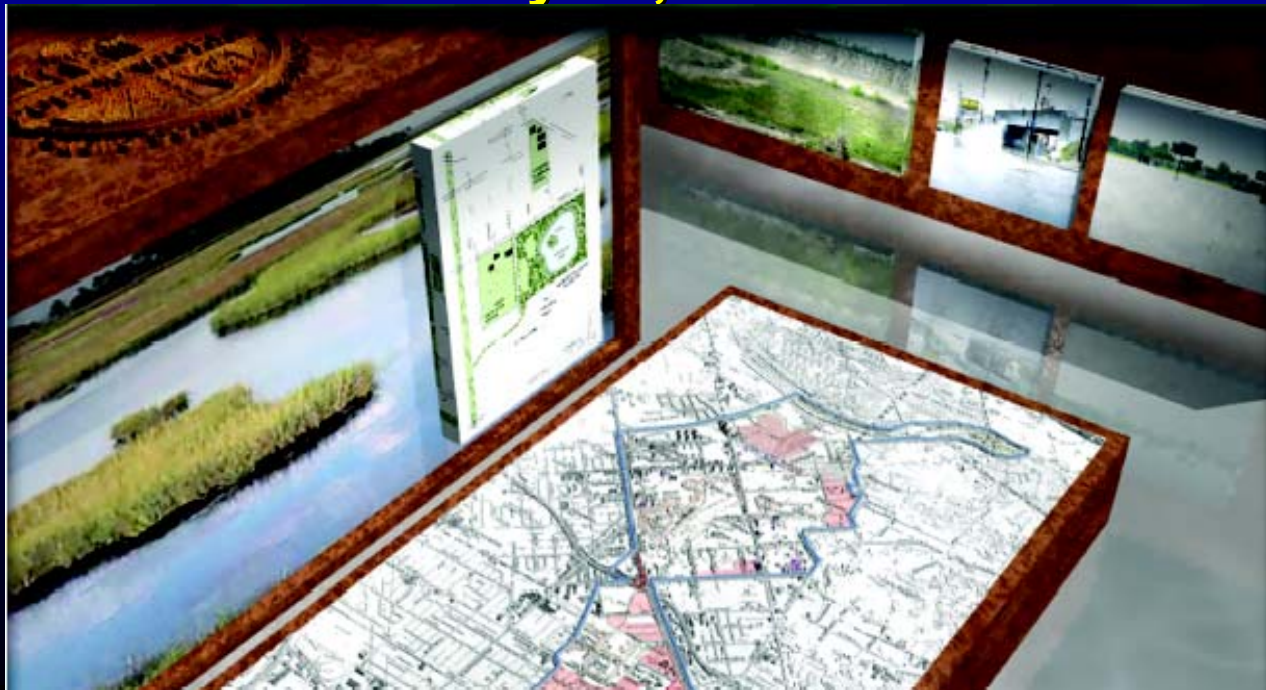


# SUN VALLEY WATERSHED MANAGEMENT PLAN

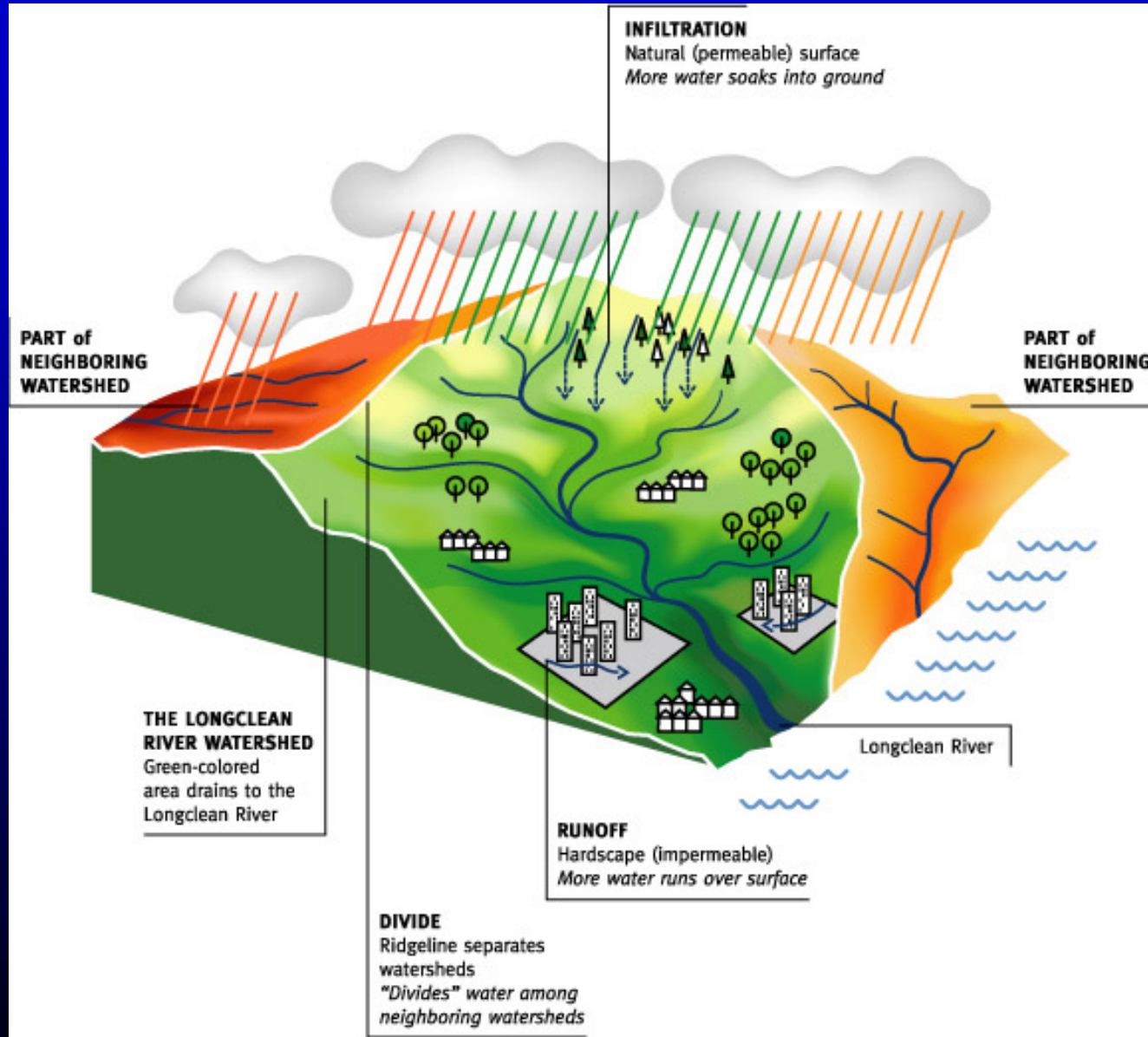
*Innovative Flooding Solutions for Sun Valley*

*Presented By: County of Los Angeles Department of Public Works; Vik Bapna*

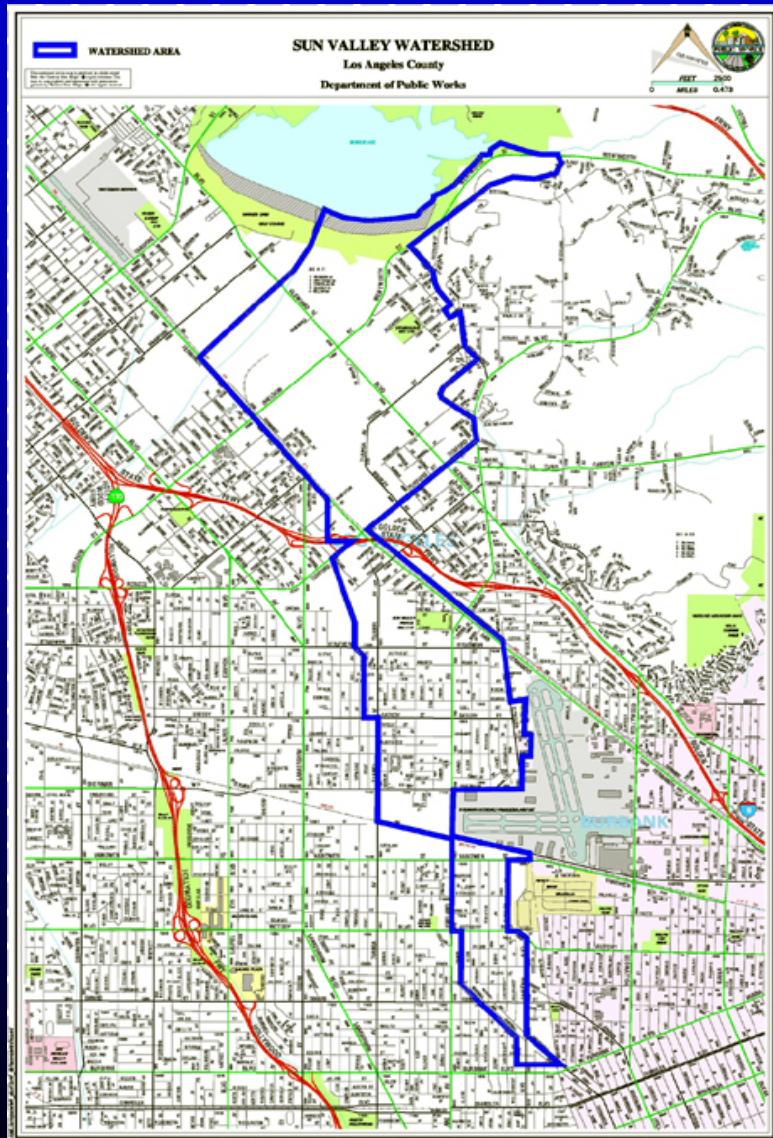
**May 13, 2004**



# Watershed



# Sun Valley Watershed Background



- 2,800 acres (4.4 square miles)
- Tributary to the Los Angeles River
- Highly Urbanized
  - Active Gravel Mines and Landfills
  - Numerous Auto-dismantling Operators
  - Other Commercial and Industrial Land Uses
- No Storm Drains

# Flooding in Sun Valley



Light Rainfall (Dec. 2002)

# Other Environmental Problems

**Decreasing Water Supply**



**Increased Air Pollution**



**Decreased Wildlife  
& Aesthetics**



**Increased Water Pollution**



# Multiple Objectives Leads to Multiple Benefits

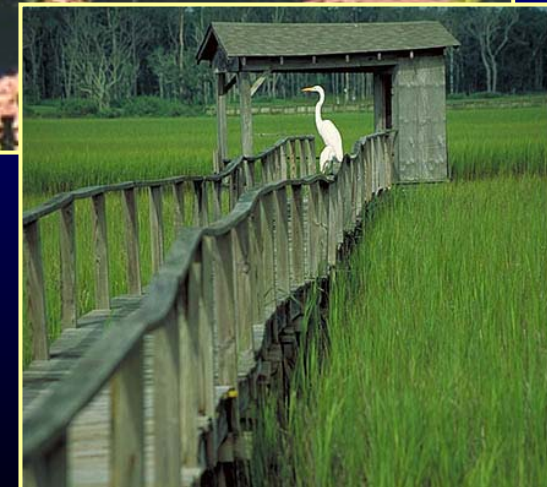


Single Objective



Pan Pacific Park

Multiple Objectives  
Or  
Multipurpose



# Working Together: Stakeholders

•LACDPW

•TreePeople

•CALFED

•LADWP

•Watermaster

•Vulcan Materials

•City Rec. & Parks

•LAUSD

•City of L.A.

•City of Burbank

•Elected Officials

•RWQCB

•Property Owners

•Community Groups



# Sun Valley Watershed Stakeholders Group Mission Statement

The mission of the Sun Valley Watershed Stakeholders Group is to solve the local flooding problem while retaining all stormwater runoff from the watershed, increasing water conservation, recreational opportunities, and wildlife habitat, and reducing stormwater pollution.





# Interim Success



Interim Success;  
Driveway



# Progress We Can Celebrate

- Rainy season shuttle service at four Sun Valley elementary schools



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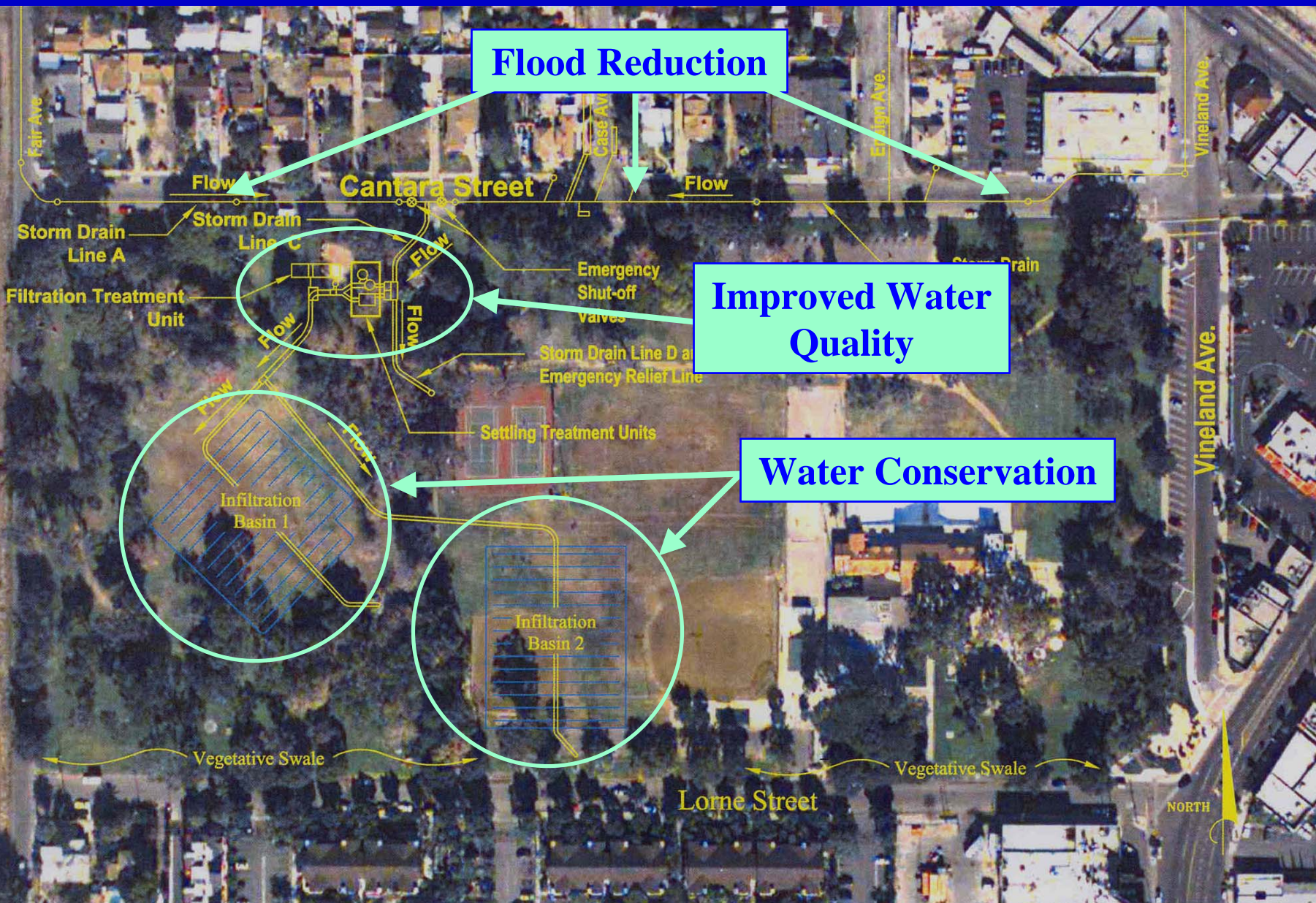
**LEGEND**

- Project
- Recycled Water Distribution Line
- Storm Drains
- Watershed Boundary
- Industrial Infiltration
- Commercial Infiltration
- Residential Infiltration
- Street Storage
- Flow Diverging Facilities
- Lake/Wetlands

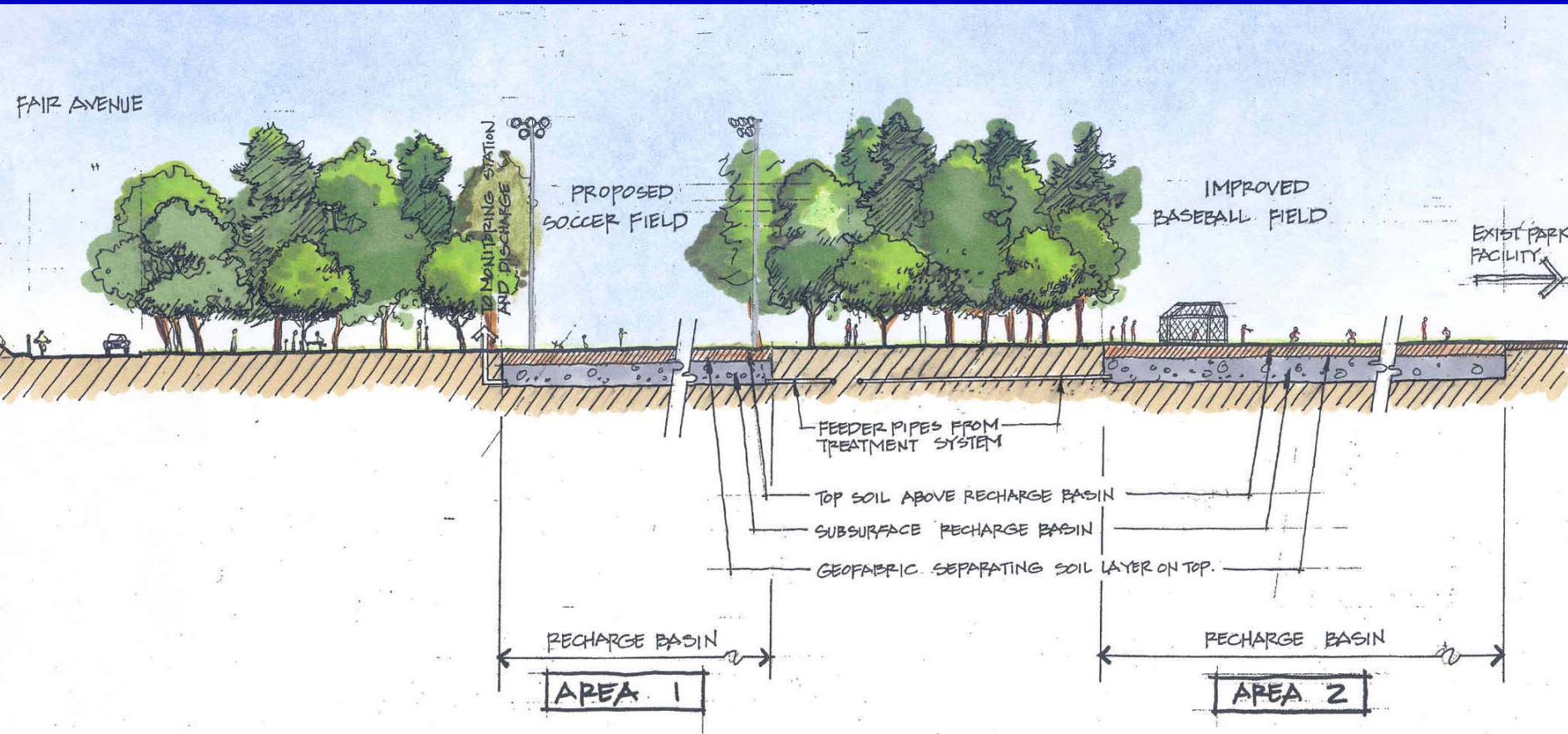
A north arrow is located in the bottom right corner, with 'N' at the top, 'S' at the bottom, 'E' on the right, and 'W' on the left. Below it is a scale bar showing 0, 500, and 1000 feet.

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# Sun Valley Park Multiuse Project



# Underground Infiltration Basins



SUN VALLEY PARK RECHARGE BASINS

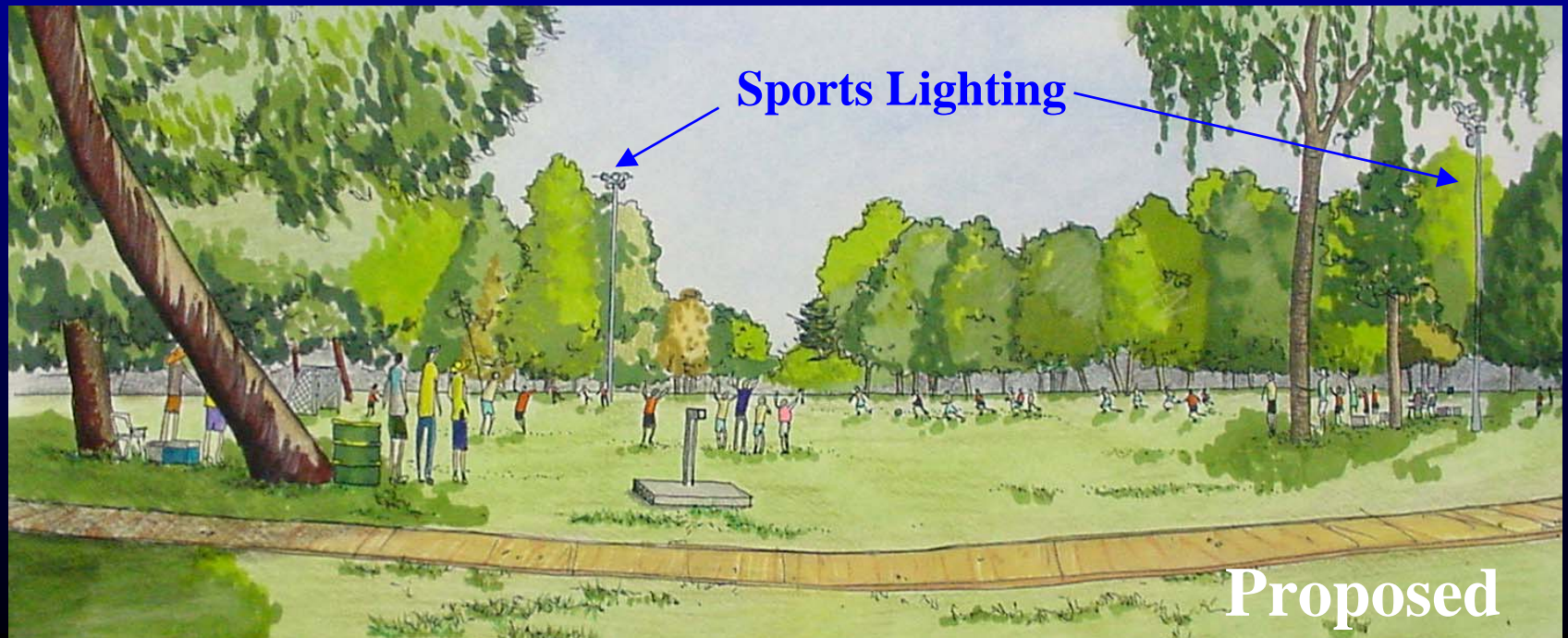
NOT TO SCALE

# Vegetative Swale



**Proposed**

# Recreational Enhancements



# Valley Steam Plant



- Groundwater Recharge
- Water Quality Enhancements
- Flood Reduction on San Fernando and Tuxford



# “Tuxford Green”



San Fernando Rd

Tuxford St

# “Tuxford Green” Flooding Hotspot



February 2003

# “Tuxford Green”



BEFORE: TUXFORD & SAN FERNANDO ROAD

- **Underground storage tanks/cisterns**
- **Landscaping**
- **Reduced flooding at intersection**



AFTER: TUXFORD & SAN FERNANDO ROAD

# Middle School

Valerio St

Bakman Ave

Fair Ave

Sherman Wy

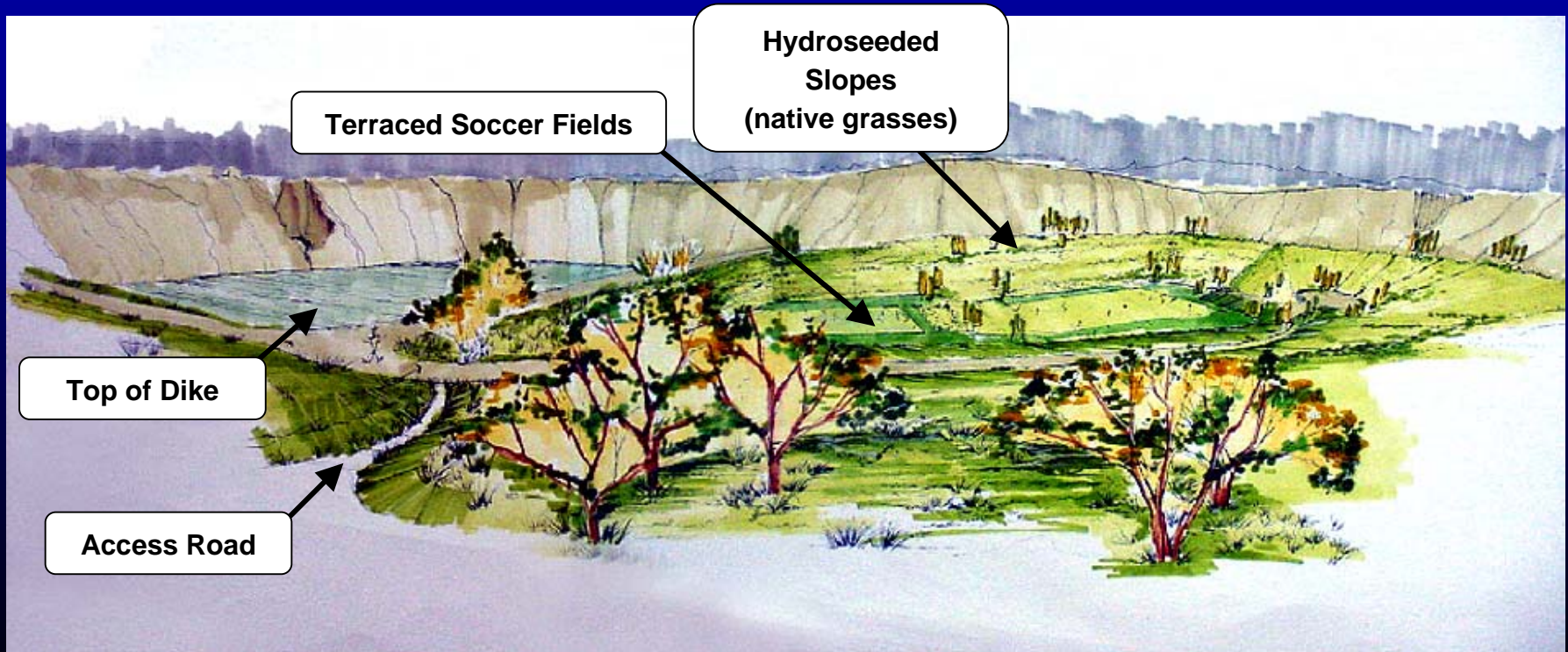


# Middle School



- Water Conservation
- Water Quality Enhancements
- Ability to store and recycle water for landscaping
- Opportunity to green the school and decrease water and electricity usage
- Opportunity for education program and tree planting

# Gravel Pit Example: Before and After



# Backyard (& Frontyard) Solutions



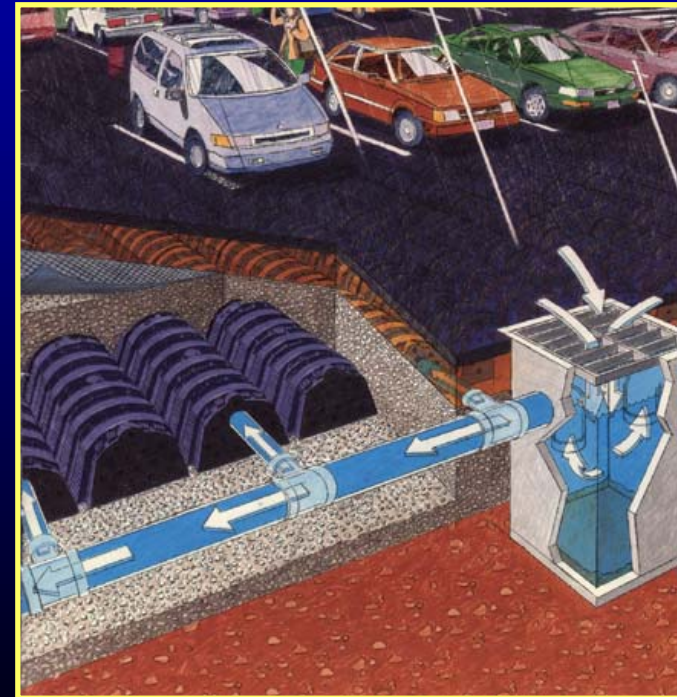
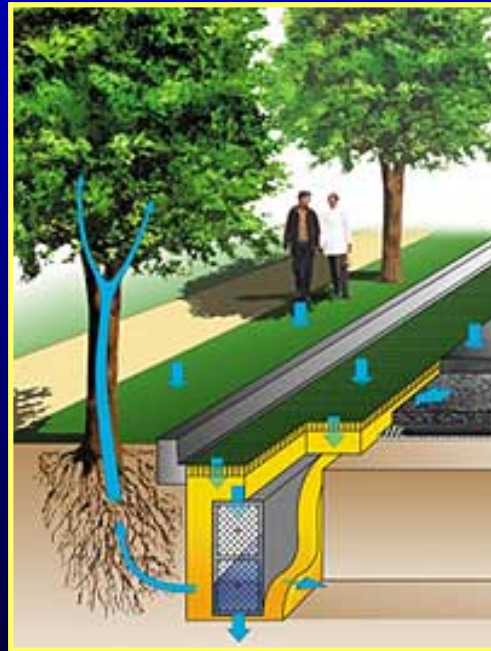
# Solutions At Your Home



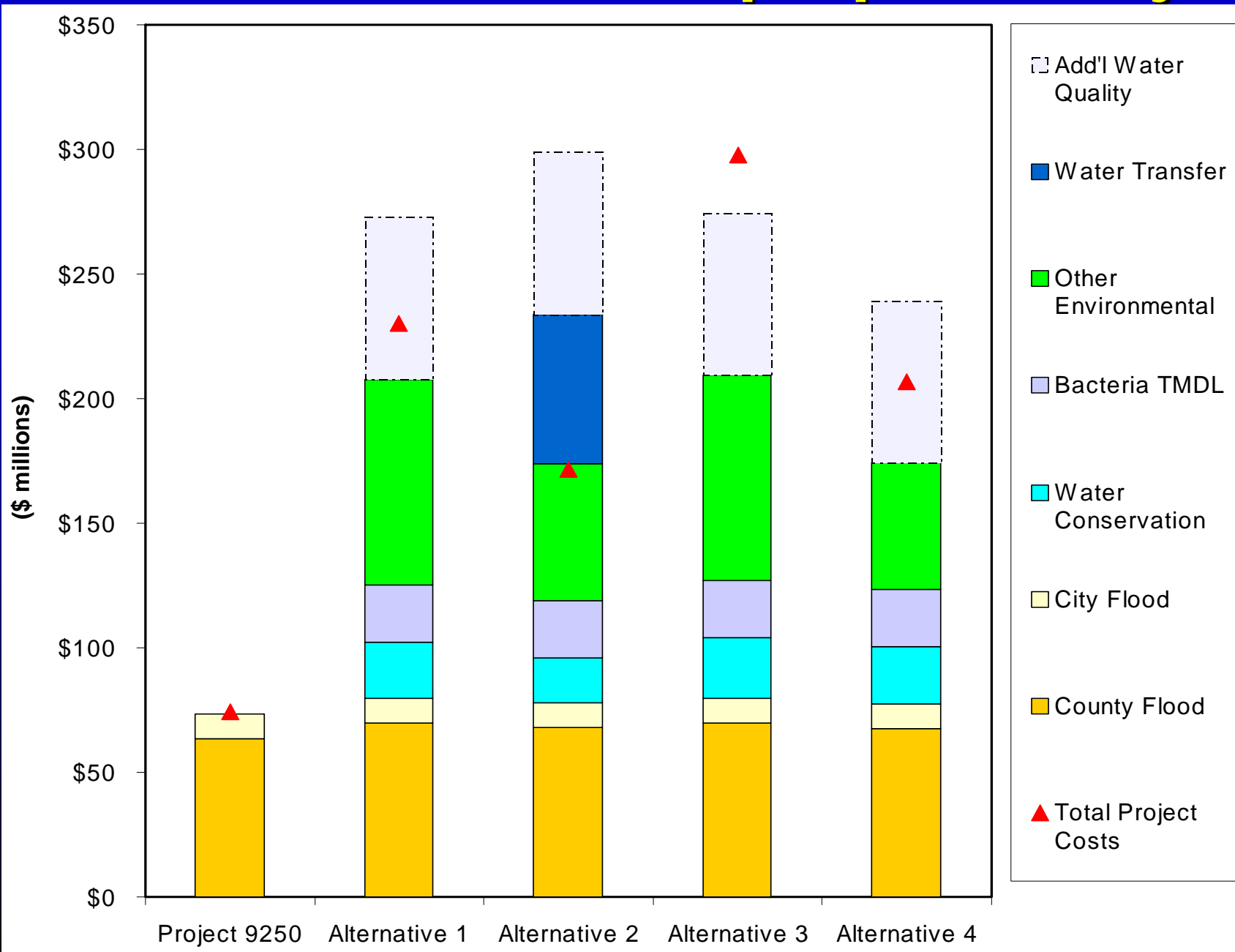
Click on screen for video clip



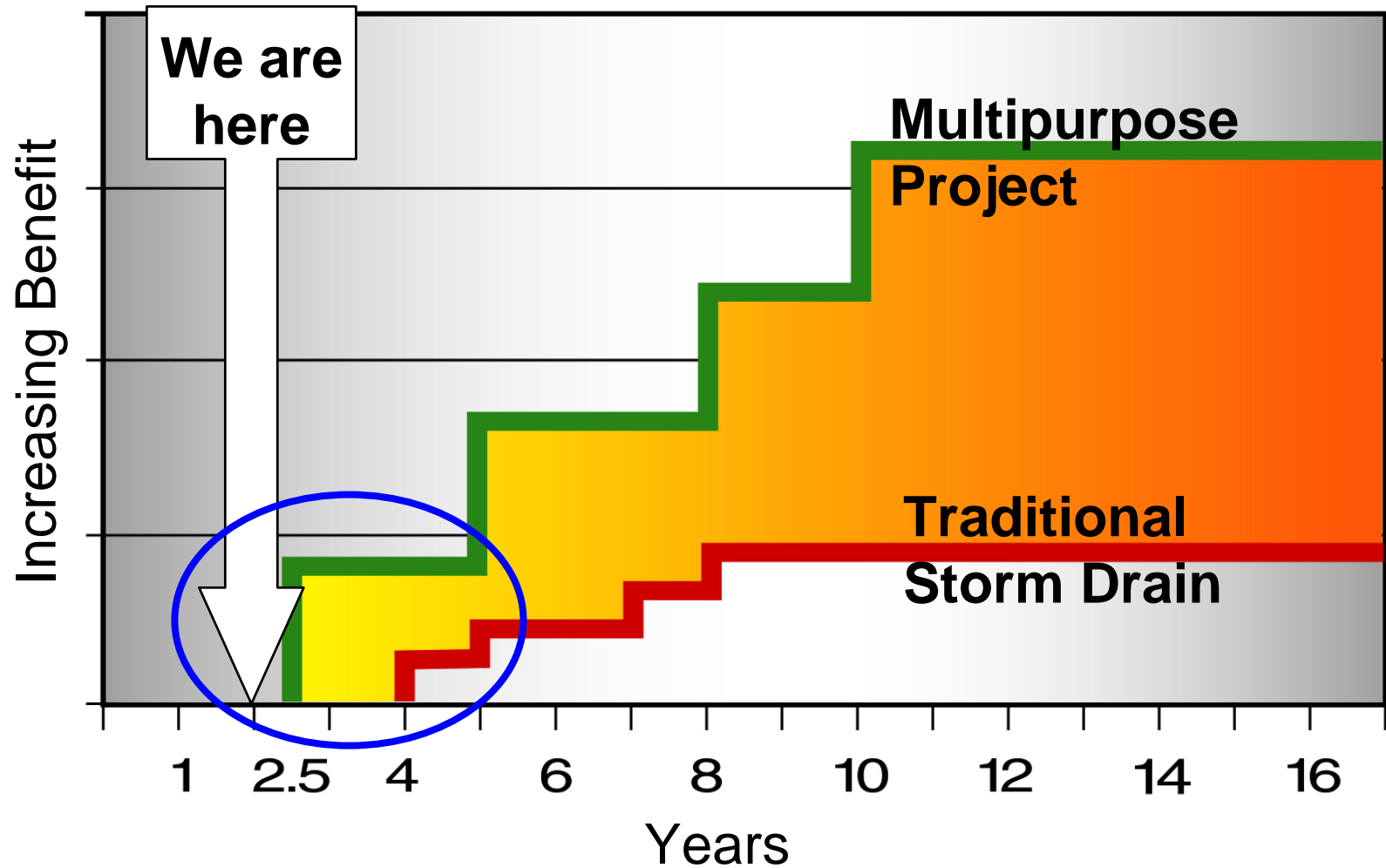
# Commercial Backyard Solutions; Parking Lots



# Cost Benefits of a Multipurpose Project



# Benefits Sooner With Multipurpose Projects



# www.sunvalleywatershed.org

LOS ANGELES WATERSHED MANAGEMENT COUNTY [@SunValleyWMA](#) <previous

## Sun Valley Watershed

[Home](#) [Meetings/Events](#) [Get Involved](#) [Demo Sites/Phase 1 Projects](#) [Stakeholders](#)

[Timeline/Decisions](#) [Resources](#) [Project Funding](#) [Newsletters](#) [FAQs](#)

## Welcome to SunValleywatershed.org!

*The mission of the Sun Valley Watershed Stakeholders Group is to solve the local flooding problem while retaining all stormwater runoff from the watershed, increasing water conservation, recreational opportunities, and wildlife habitat, and reducing stormwater pollution.*

[Notice of Preparation](#)  
[Initial Study](#)

There's something exciting going on in Sun Valley! A serious effort to solve the area's chronic flooding problem is underway, but that's not the half of it. Planners envision a solution that will bring many other benefits to the community as well. The implementation here of what's known as a "watershed approach" to urban environmental problems could focus regional and national



*Flooding is a serious problem in Sun Valley; the San Fernando/Tuxford intersection is one of the perennial trouble spots.*

# Educational Brochure

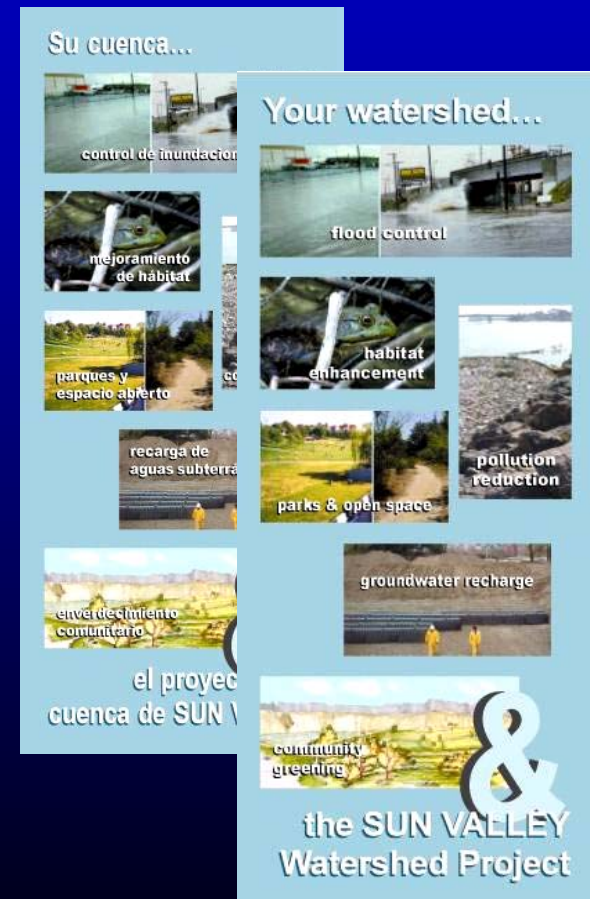
## English & Spanish versions

### General watershed awareness

- What is a watershed?
- Why does it matter to you?
- the Bay-Delta/So Cal connection

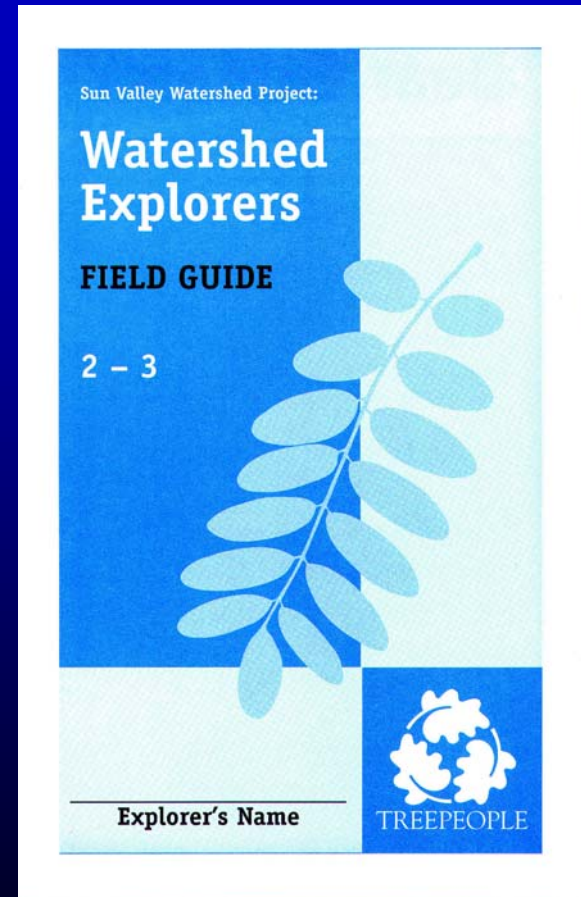
### The Sun Valley project

- Sustainable watershed management
- Potential benefits to the community
- Get involved



# In-School Education

- **Classroom presentations**
- **Student activity booklets**
- **Environmental service learning Projects**



# Spreading The Word

the Sun Valley Watershed Stakeholders Group

## Watershed Events

Volume 7, Number 1

Spring 2001

### Something Incredible is Happening in Sun Valley!

The Sun Valley Watershed Stakeholders Group is proud to present to the community its first issue of its newsletter. The group was formed in early 1995 to address the chronic flooding in the Sun Valley area and advise solutions that would save concrete water, reduce pollution, benefit the community and increase park space. Finding these solutions and putting them in place will require the local knowledge, ideas and input of Sun Valley residents. The purpose of this newsletter is to set the agenda, and to provide progress reports and award news to the community.

Anyone who's lived in the area for any length of time knows that seasonal flooding is a serious problem and one that is no picnic to live with either. For many years the County government sought to find funds for a traditional storm drain. More recently, other solutions have been proposed that could begin addressing flood problems faster and provide more long-

ter-term solutions.

### ¡Algo increíble está ocurriendo en Sun Valley!

Es un placer para el Grupo de Interesados de la Cuenca de Sun Valley presentar a la comunidad a primera edición de este boletín informativo. El Grupo fue creado en 1995 para tratar de encontrar soluciones en el área de Sun Valley que permitan conservar agua, disminuir la contaminación, embellecer la comunidad y crear áreas de recreación. Encontrar estas soluciones y llevarlas a cabo requiere el conocimiento local y los ideas y el apoyo de los residentes son necesarios para encontrar las soluciones a este problema. La intención de este boletín es establecer información, proporcionar reportes sobre el progreso y dar buenas noticias a la comunidad.

Cualquier persona que ha vivido en el área por algún tiempo sabe que las inundaciones durante la temporada de lluvias son un problema muy grave que lleva bastante tiempo en ser resuelto. Qué es diferente hoy? Por primera vez algunas alternativas de solución, no gubernamentales y regionales,

han comenzado a ser propuestas.



During previous lava flow and landslide coverage of the Sun Valley Watershed area, the Sun Valley Stakeholders Group has been actively communicating with the community. This week one member of the Stakeholders Group, John, was able to persuade the company to give the Sun Valley Stakeholders Group a banner to thank them for their help. The banner was given to the Sun Valley Stakeholders Group by John, who was able to persuade the company to give the Sun Valley Stakeholders Group a banner to thank them for their help.

### Vulcan Completes Storm Measures at Area Middle School

While the Group's purpose is to develop permanent solutions to flood flooding, we recognize that there are many problems which require immediate solutions. One example is the impoundment of school grounds during the winter. Plans to address this problem have been a particular headache for parents, children and teachers at Sun Valley Middle School. Flooding in the drop-off area on Baywood Avenue has made it difficult or impossible for kids to stay dry between car and classroom.

Due to the efforts of Vulcan Materials, however, this headache could be history. The concrete, which makes and is paved in the area, recently constructed a semi-circular driveway that gets cars past the drainage water on a dry high ground. Though the need for the driveway had been discussed at committee meetings for several months, it took an urgent meeting could be done before the time began. Vulcan installed the fill and car with it, finishing the driveway in record time. A huge thank you letter was drafted by Vulcan, so there was no time to situate or the school official. Thank you, Vulcan Materials!

The mission of the Sun Valley Watershed Stakeholders Group is to reduce the threat of flooding problems, while retaining all water that can be used from the watershed, increasing water conservation opportunities, such as flood-fighting, and reducing stormwater pollutants.

La misión del Grupo de Interesados de la Cuenca de Sun Valley es reducir las amenazas de inundación, y al mismo tiempo conservar todo el agua que puede ser usada en la cuenca, conservar el agua, crear oportunidades para ahorrar de agua, y reducir los contaminantes.

# Watershed Events

a quarterly newsletter  
in English & Spanish

# Replication





# Lose it. Or use it.

Floodwater is a resource.



Get with the Sun Valley Watershed Project.

Help us make it happen  
at [www.sunvalleywatershed.org](http://www.sunvalleywatershed.org), or  
call 626.458.4300 to get involved.

