

This presentation premiered at WaterSmart Innovations

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Educating the Next Generation About LID in Urban Landscapes

WaterSmart Innovations
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Map : Council for Watershed Health



Photo: Council for Watershed Health

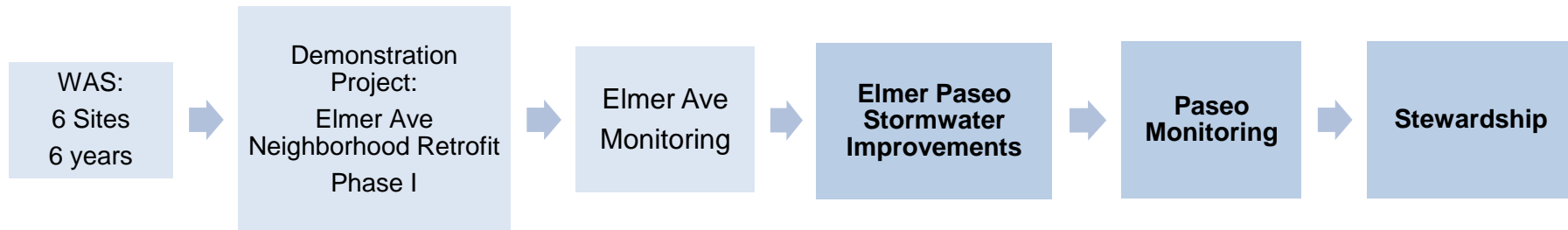
Historic Hydrology



Elmer Paseo Before Retrofit – dry weather flow

The region's hub for watershed research and analysis

- Working at the intersection of research and policy
- Driving applied research to improve policy and practice
- Connecting diverse perspectives to address timely issues



Map : Council for Watershed Health

Photo: Council for Watershed Health

Elmer Paseo: Long-term Research Project



50 acres drain to
Elmer Avenue



10 acres drain to
Elmer Paseo

Elmer Paseo



Santa Monica Mountains Conservancy



Residents of Elmer Avenue, Keswick St. Lull St.



Collaboration





Reduce flooding & infiltrate stormwater



Create safer pedestrian passage



Add green space & habitat

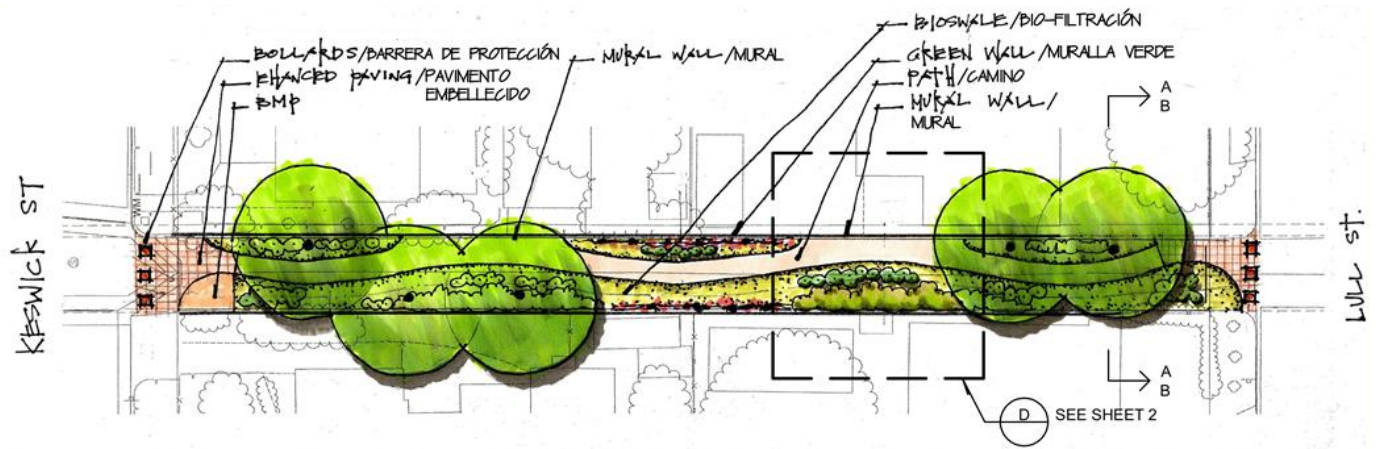
Photos: Council for Watershed Health

Elmer Paseo Goals

| Configuration | Description | Average Annual Volume Capture (ac-ft) |
|---------------|--|---------------------------------------|
| 1 | Flood Plain Configuration; 4 ft Veg. Swale (bottom width), 0.5 ft deep 6 ft Impervious Sidewalk 5 ft Planting Area | 5.26 |
| 2 | Flood Plain Configuration; 4 ft Veg. Swale (bottom width), 0.5 ft deep 6 ft Pervious Sidewalk 5 ft Planting Area | 6.32 |
| 3 | Flood Plain Configuration; 4 ft Veg. Swale (bottom width), 0.5 ft deep 6 ft Pervious Sidewalk + 2ft additional gravel storage 5 ft Planting Area | 6.79 |



Optimization Options



Photos: Council for Watershed Health

Community Engagement



Elmer Paseo - October – December 2012



View south to Sun Valley Middle School



Watershed Health



View north to San Gabriel Mountains



Capture, Clean,
Infiltrate



Safer
Passage



Community
Green Space



Habitat

Multiple Goals, Multiple Benefits



Photos: Council for Watershed Health

What effect do the BMPs have on water quality?



What effect do the BMPs have on water supply?



What are the O&M needs of BMPs?



How has the project affected resident's relationship to watershed health?



What are the additional benefits of the project?

Performance Monitoring



Photos: Council for Watershed Health



Habitat



Council for Watershed Health



Interpretive Signage



Photos: Council for Watershed Health

Interpretive Signage Elements





Photo: Council for Watershed Health

Silhouettes of Flora & Fauna



Sun Valley Middle School



Sun Valley Middle School



Tours



Paseo Play

Photos: Council for Watershed Health



Curriculum

Photos: Council for Watershed Health



Curriculum

Photos: Council for Watershed Health



Stewardship



Photos: Council for Watershed Health



Stewardship

Questions



www.watershedhealth.org

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