



Stormwater Compliance Master Plan Update

Public Works Commission

September 8, 2022



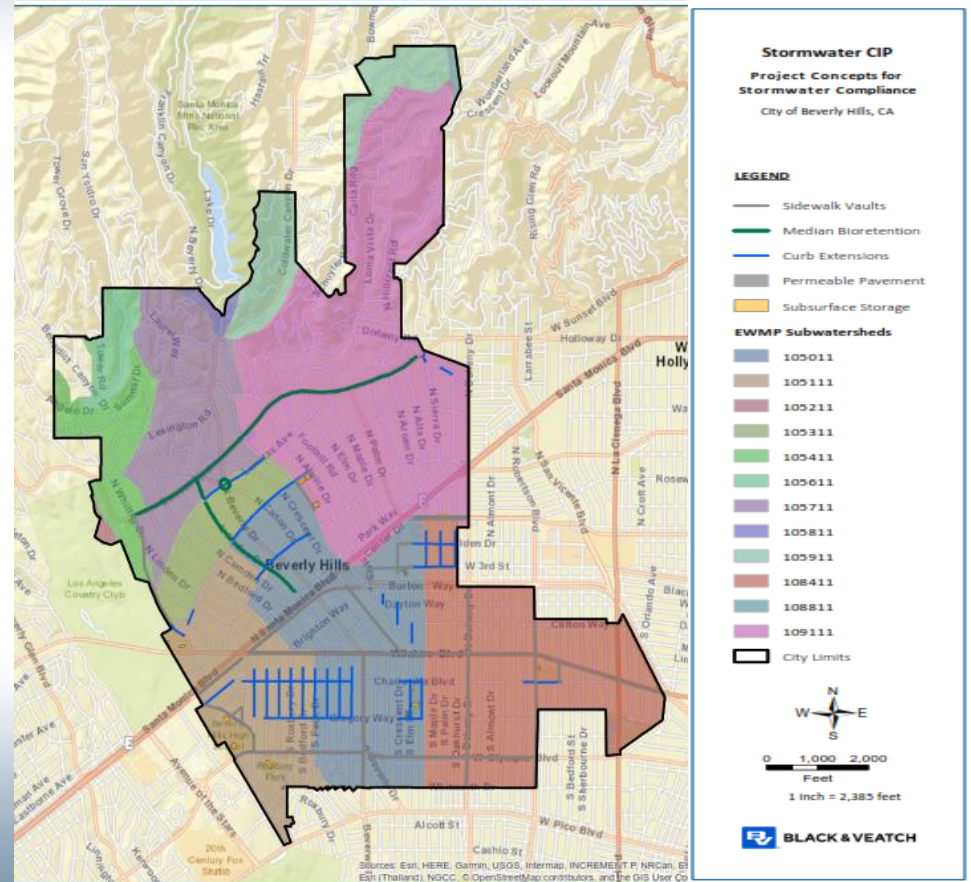
Outline

- Masterplan – regulatory and compliance resource guide
- Projects Updates
- Stormwater Compliance and Funding Summary
- Discussion



Masterplan

- Clean Water Act & MS4 Permit
- Compliance goal: 87 acre-feet (AF)
- 2019 Stormwater Compliance Master Plan: 78 AF



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri (Thailand), NGCC, ©OpenStreetMap contributors, and The GIS User Community



Masterplan Approach

| Structural BMP Strategy | BMP Capacity | Phase |
|--|--------------|----------------------|
| Regional Project: La Cienega Park/Frank Fenton Field | 21 | Planning |
| LID Practice (Residential/Commercial Development Projects) | 2.8 | Implemented/On-going |
| LID Ordinance | 1.8 | Implemented/On-going |
| Streets and Public LID Practices | 52.4 | Planning |
| 1. Sidewalk Vault | 12.6 | On-going |
| 2. Curb Extensions | 1.7 | Planning |
| 3. Median Bioretention | 2.5 | Planning |
| 4. Permeable Pavement | 1.5 | Planning |
| 5. Subsurface Storage | 34.1 | On-going |
| Total | 78 | |



Figure ES-3 Conceptual Schematic of a Green Street (arrows indicate water pathways)

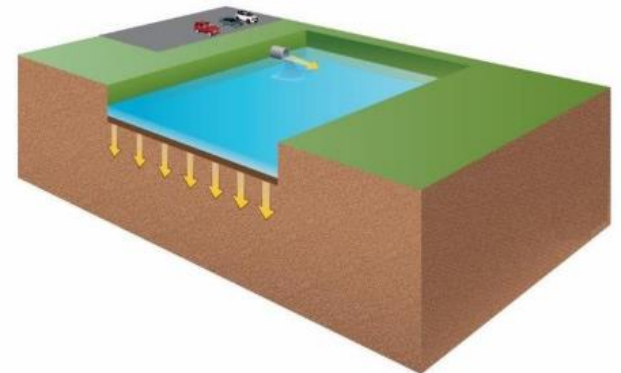


Figure ES-5 Conceptual Schematic of a Regional Project (arrows indicate water pathways)



La Cienega Park Regional Project

Project Overview

| | |
|----------------|---|
| Drainage Area | 461 acres |
| BMP Type | Subsurface storage and sewer treatment |
| BMP Capacity | 21 AF |
| Agencies | Beverly Hills, Los Angeles and West Hollywood |
| Estimated Cost | \$20.2M |

Figure 3-1. Stormwater Flow Diagram for Alternative 1

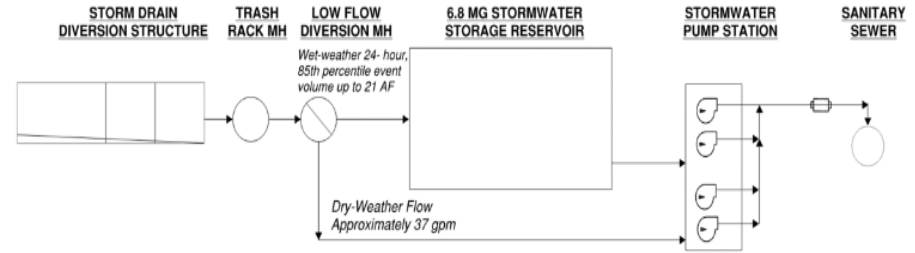


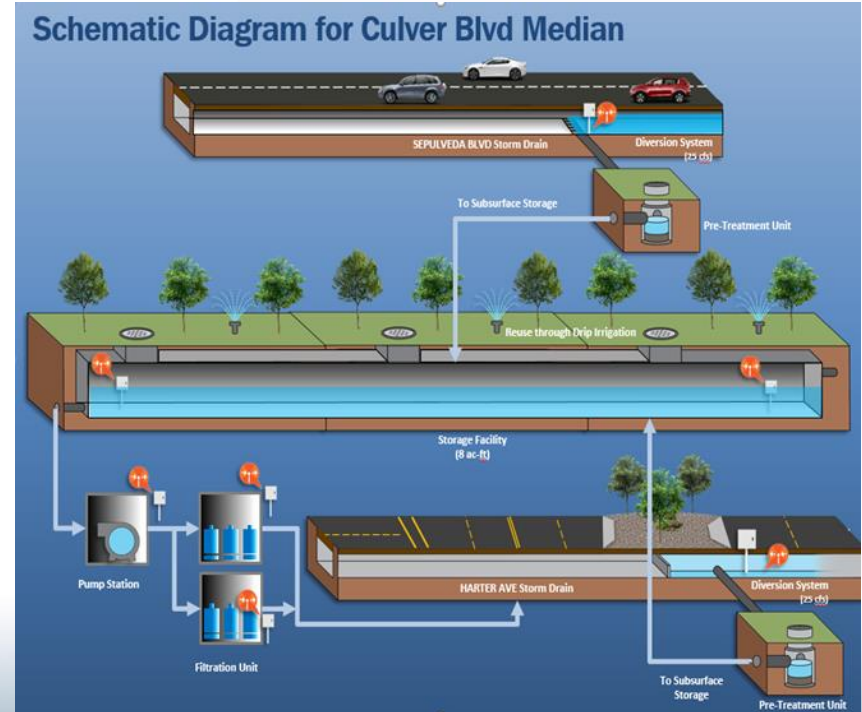
Figure 4-1. Precast Modular Tank



Culver Median Regional Project

Project Overview

| | |
|----------------|----------------------------------|
| Drainage Area | 796 acres |
| BMP Type | Subsurface storage and treatment |
| BMP Capacity | 19.5 AF (BH 4.4 AF) |
| Agencies | Beverly Hills, Culver City |
| Estimated Cost | \$15.6 M (BH \$3.5) |





Robertson Boulevard Reconstruction Project

Project Overview

Drainage Area 5.4 acres

BMP Type Treatment

BMP Capacity 0.42 AF

Agency Beverly Hills

Estimated Cost TBD



Figure 4-1 Modular Wetland System Section

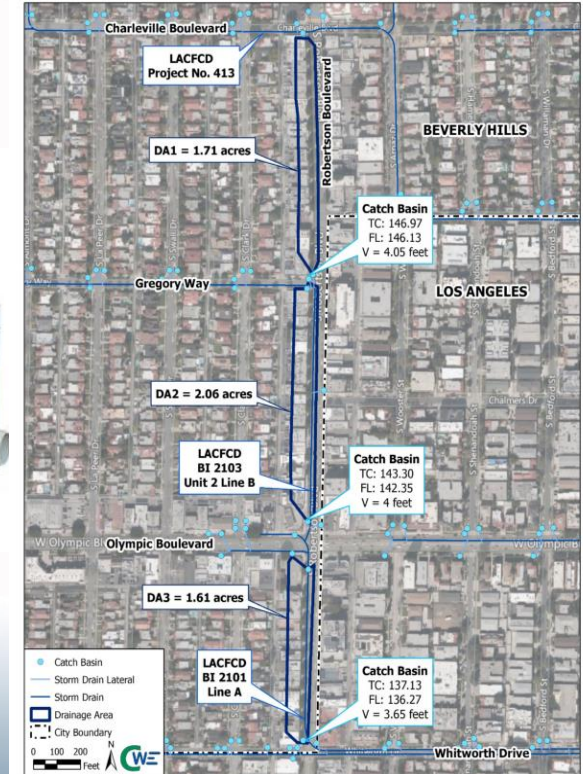


Figure 2-1 Drainage Area Delineation



Stormwater Compliance and Funding Summary

| Project | BMP Capacity (AF) | Status |
|--------------------------------------|-------------------|-------------------|
| Santa Monica Boulevard Green Streets | 1 | Complete |
| Culver Median Regional Project | 4.4 | Complete |
| LID Ordinance | 1.8 | Complete/On-going |
| LID (Residential and Commercial) | 1.35 | On-Going |
| Burton Way Median | 7.6 | Construction |
| La Cienega Park Regional Project | 21 | Planning |
| Robertson Boulevard Project | 0.42 | Planning |
| Total | 37.6 | |

| Funding Source | Projected Amount |
|--------------------------------------|------------------|
| General Fund | <\$7.6 M |
| Measure W Municipal Program (Annual) | \$500,000 |



DISCUSSION