

LAC DEPT. BEACHES & HARBOR MARINA DEL REY PARKING LOT 9

LAC DEPT. PUBLIC WORKS
WATER QUALITY ENHANCEMENT
PROJECT CONCEPT

PROJECT SITE BACKGROUND

EXISTING CONDITION:

- Parking Lot 9 encompasses 1.5 acres of impervious asphalt concrete
- Two catch basin inlets that directly discharge into Basin E.
- 187 parking spots
- Two accessible handicap parking areas.



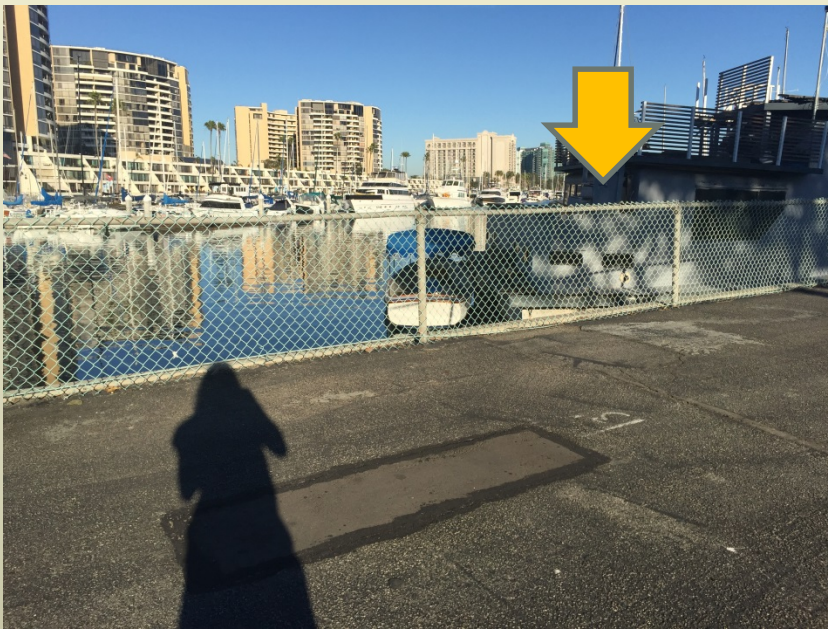
Existing Parking Lot 9 Catch Basin



Existing Parking Lot 9 Handicap parking



Existing Promenade and Fencing



Proposed Water Quality Enhancement

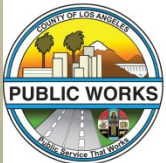
Marina del Rey Parking Lot 9 Water Quality Enhancement Concept



CONCEPT ENLARGEMENT

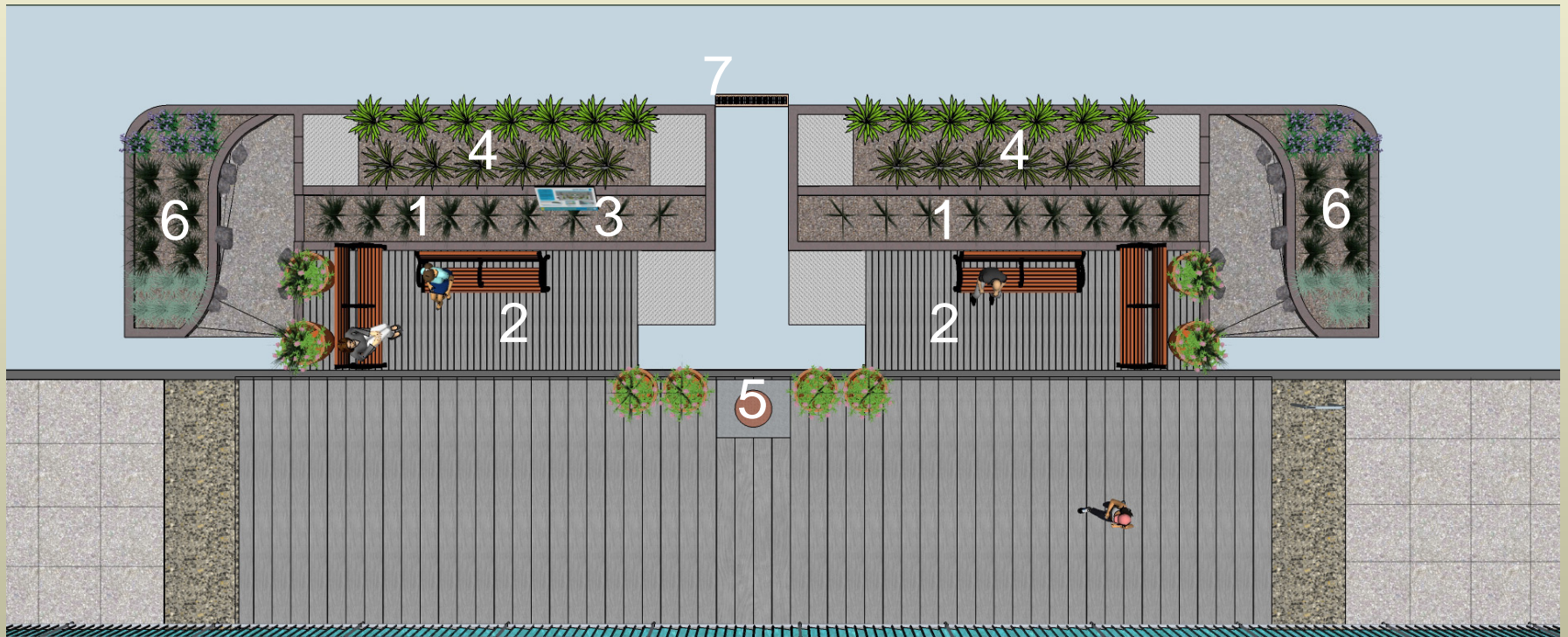


NORTH
NTS



Proposed Water Quality Enhancement

1. Bioswale
2. Parklet
3. Interpretive Sign
4. Modular Wetland Unit
5. Catch Basin
6. Planter
7. Trench Drain

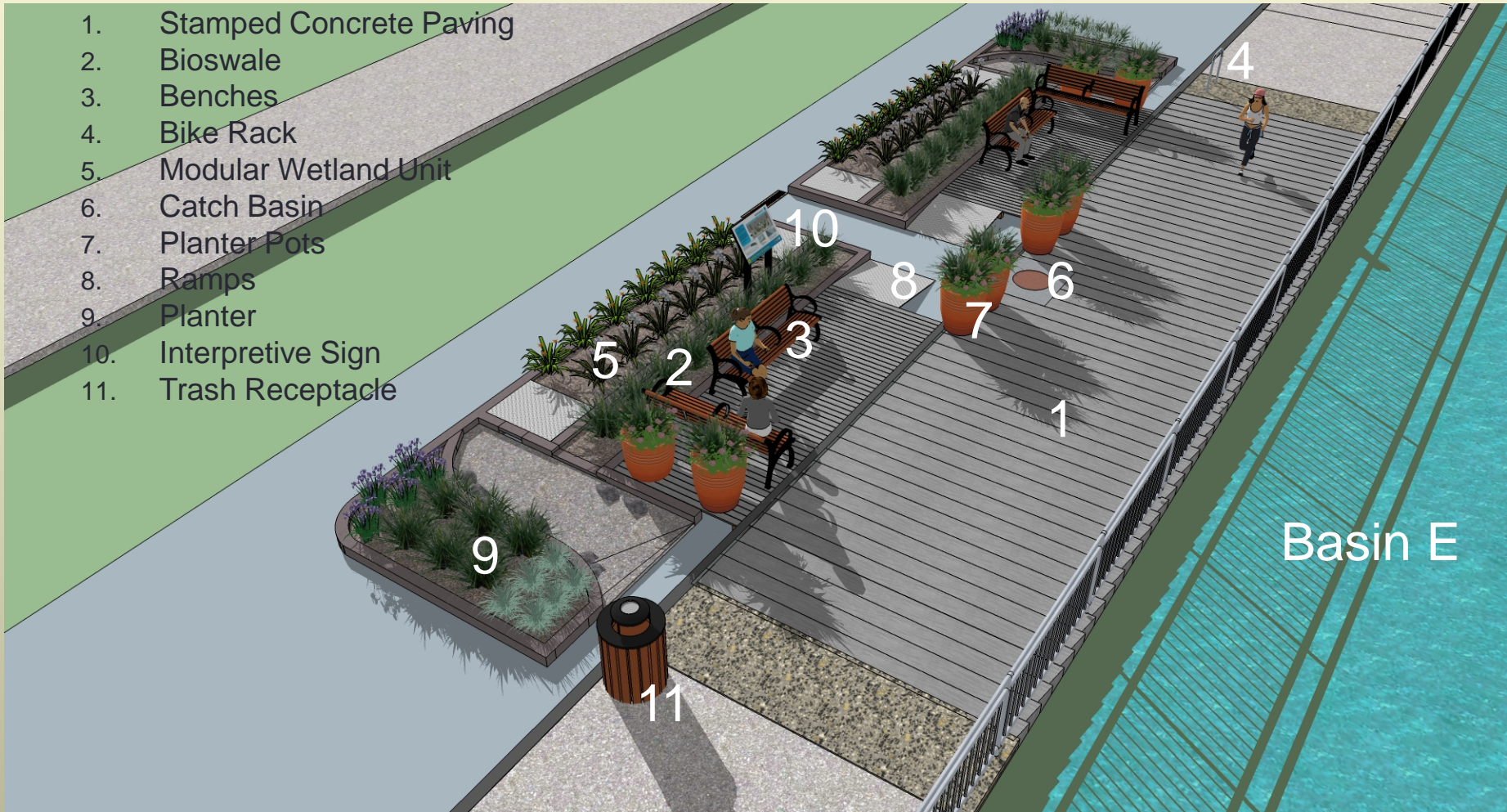


Low Flow Treatment



Proposal Parklet Components

1. Stamped Concrete Paving
2. Benches
3. Benches
4. Bike Rack
5. Modular Wetland Unit
6. Catch Basin
7. Planter Pots
8. Ramps
9. Planter
10. Interpretive Sign
11. Trash Receptacle



Proposed Parklet Components

1. Exposed Aggregate Paving w/ Cool Gray Concrete
2. Seeded Aggregate Paving w/ Dark Gray Concrete
3. Bioswale
4. Bike Rack
5. Modular Wetland Unit
6. Trench Drain
7. Woodgrain Concrete Paving
8. Fencing



View from Parking Lot

Proposed Site Furnishing



Bench



Trash Receptacle



Bike Rack



Planter Pot

Proposed Promenade Fencing



Proposed Paving



Exposed Aggregate Concrete Paving



Seeded Concrete Band w/
Crushed Aggregate



Stamped Concrete
Woodplank Pattern



Composite Wood Deck
Trex Island Mist

Proposed Interpretive Signage

WHAT IS THE COUNTY OF LOS ANGELES DOING TO IMPROVE WATER QUALITY IN MARINA DEL REY HARBOR?

During storms, runoff from Parking Lot 9 flows directly into the harbor. As runoff flows into the harbor, it can carry along pollutants such as trash or toxic materials that have accumulated within the area. This pollution can harm the environment, the wildlife that depend on it, and the people who swim in the harbor.

The County of Los Angeles is constructing various projects across the region to address this storm water pollution issue. The Marina del Rey Parking Lot 9 facility was improved with a biofiltration system, bioswales, and catch basin screens to prevent pollutants from entering the harbor. In addition, recreational improvements such as the parklet benches and aesthetic benefits such as native vegetation were included to provide multiple benefits for numerous visitors to Marina del Rey.

For more information regarding the County's efforts in addressing storm water quality, please visit:

<http://dpw.lacounty.gov/swq/>

WATER QUALITY



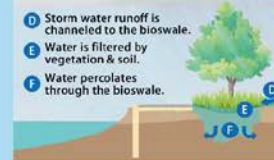
- A PRE-TREATMENT: Storm water enters pre-treatment chamber, where trash and debris are separated.
- B BIOFILTRATION: Water flows into the pre-filter cartridge, where pollutants are filtered.
- C DISCHARGE: Treated water exits filtering media.



1 BIOFILTRATION SYSTEM

The planting area in front of you utilizes a combination of artificial filter and natural materials (soil and plants) to effectively filter out pollutants from storm water runoff.

- D Storm water runoff is channeled to the bioswale.
- E Water is filtered by vegetation & soil.
- F Water percolates through the bioswale.



2 BIOSWALES

Bioswales are part of a natural filtering system that captures runoff, trash, and pollutants before they reach storm drains.



3 CATCH BASIN

When it rains water can pick up trash along streets before flowing into our creeks, lakes, rivers, and ocean. Catch basin screens filter debris and trash out of runoff water and prevent it from entering the storm drains.



PROTECTING OUR OCEAN



Plant List



CAREX PRAEGRACILLIS
CALIFORNIA FIELD SEDGE



DIANELA CAERULEA
' CASA BLUE'
BLUE FLAX LILY



DIETES BICOLOR
FORTNIGHT LILY



HEMEROCALLIS HYBRID
DAYLILY



IRIS 'DOUGLASIANA'
DOUGLAS IRIS



JUNCUS PATENS
CALIFORNIA GRAY RUSH



SEDUM 'AUTUMN JOY'
AUTUMN JOY SEDUM