

# CITY OF SANTA MONICA

## Stormwater Management Program

### Current Projects



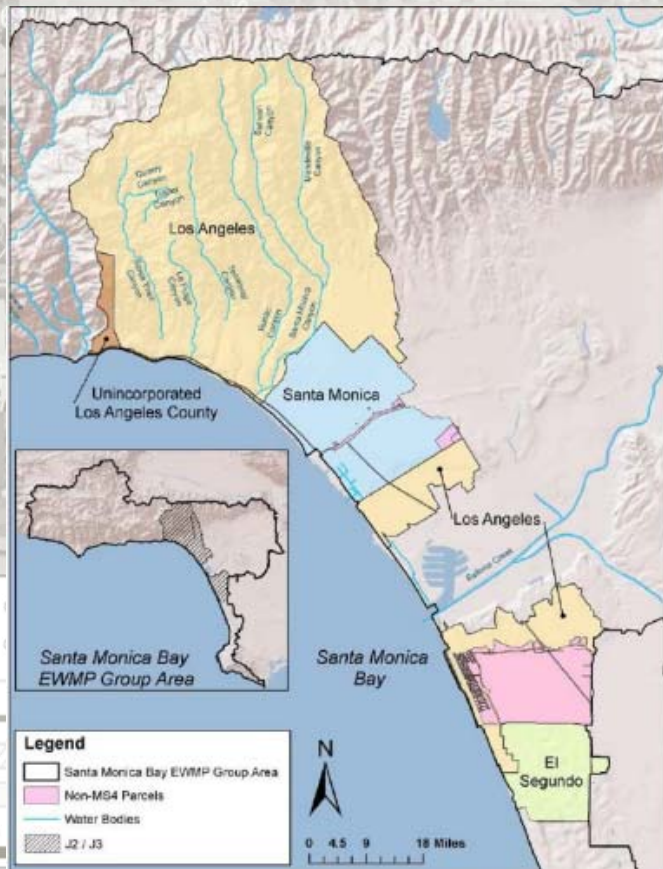
Presenter:  
Curtis Castle, P.E.  
City of Santa Monica





# Stormwater and Watershed Management-Project Drivers

## MS4 & EWMP Goals



## Sustainable Water Master Plan

### Sustainable Water Master Plan

for the:  
City of Santa Monica,  
Water Resources Division



KJ Project No. 1283015\*00

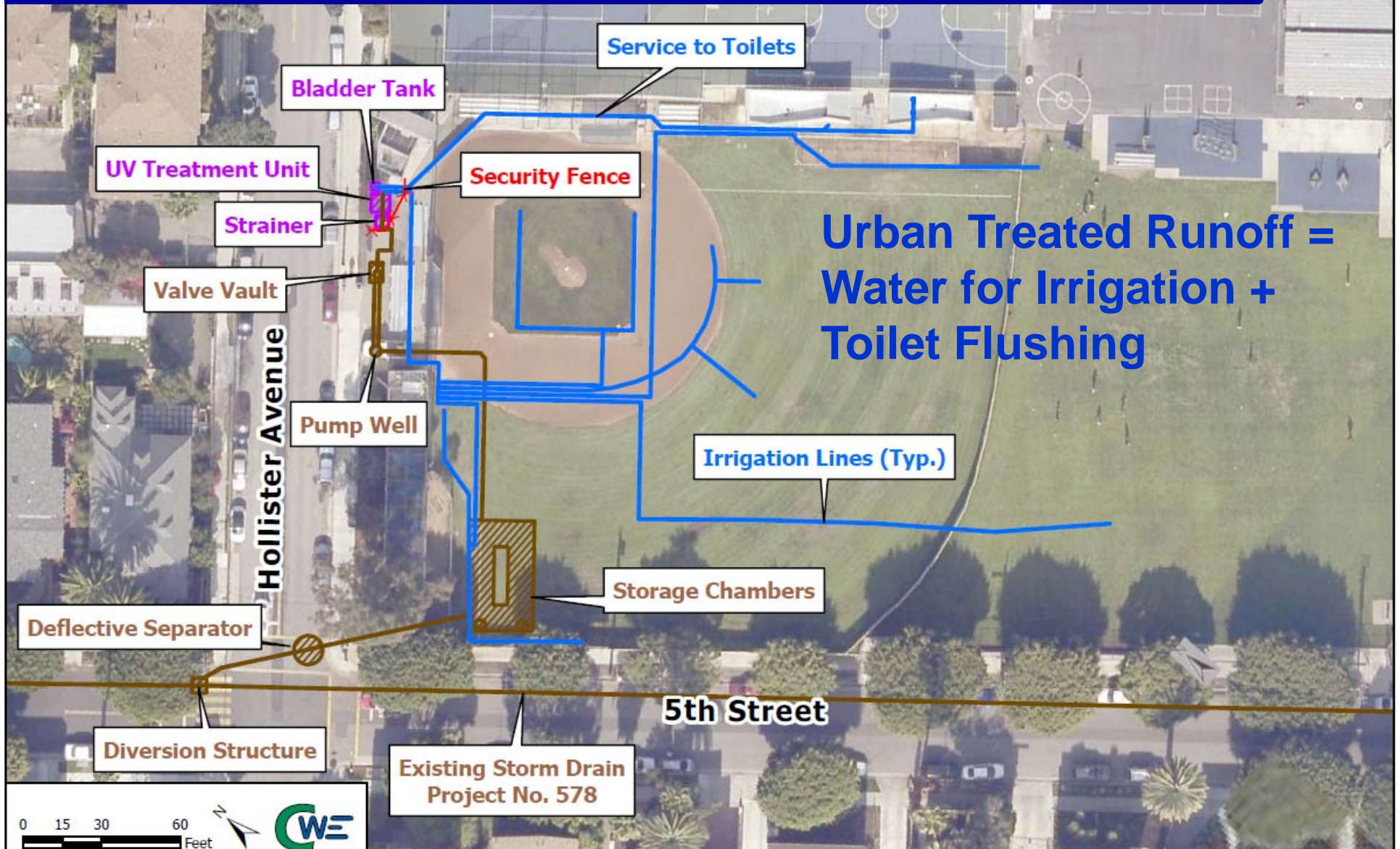
# Projects

- **Los Amigos Park Retrofit (\$2.5M, 53k gal tank)**
  - Construction Complete, in Commissioning Phase
- **Marine Park Retrofit (\$3M, 25k gal tank)**
  - Under Construction, 15%
- **Clean Beaches Initiative Project (\$15M, 1.6M gal tank)**
  - Under Construction, 10%
- **Sustainable Water Infrastructure Project (SWIP)**  
(**\$57M**, 1.5M gal tank + 3M gal tank offsite)
  - Concept complete, Owner's Engineer Selected



6th Street

# Los Amigos Park Retrofit





# Los Amigos Park: A Friend to the Environment

**53,000** GALLONS

of stormwater is stored under the ground in front of you

saving over 550,000 gallons per year of **drinking water**

Los Amigos Park Stormwater Harvesting and Direct Use Demonstration Project is a collaborative effort between the City of Santa Monica, the Santa Monica Malibu Unified School District and the Metropolitan Water District of Southern California (MWD) that is all about capturing urban runoff and stormwater for beneficial use. The project involves diverting up to 550,000 gallons of water from the storm drain pipe adjacent to the park. The water will be stored, treated, and used for irrigating the playing fields and for indoor toilet flushing in the park restrooms.

1

## The project has two benefits:

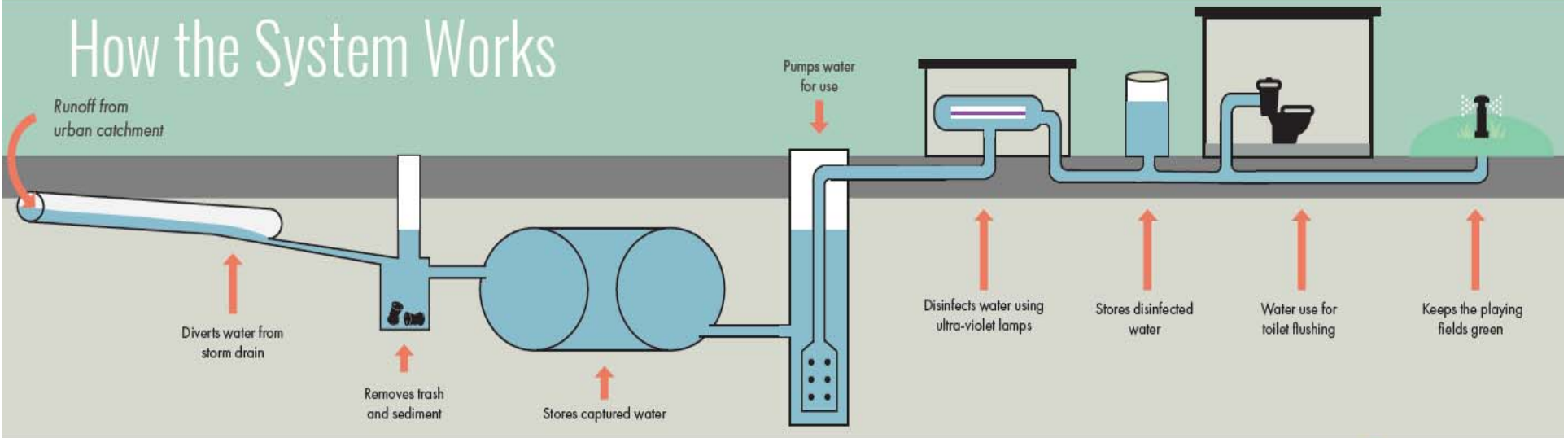
Protects the Santa Monica bay by reducing the amount of polluted runoff going into the ocean.

2

Demonstrates the benefits of capturing and using urban runoff and stormwater for toilet flushing and irrigating the playing fields. This reduces potable water use, which promotes local sustainability.

This project further solidifies Santa Monica's leadership role in being one of the most sustainable cities in the country.

## How the System Works



For more information, visit [www.websitegoeshere.org](http://www.websitegoeshere.org)





# Marine Park Retrofit





# Marine Park Retrofit

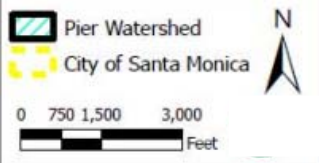




# CBI

CITY OF SANTA MONICA  
5,385.6 ACRES  
8.4 SQUARE MILES

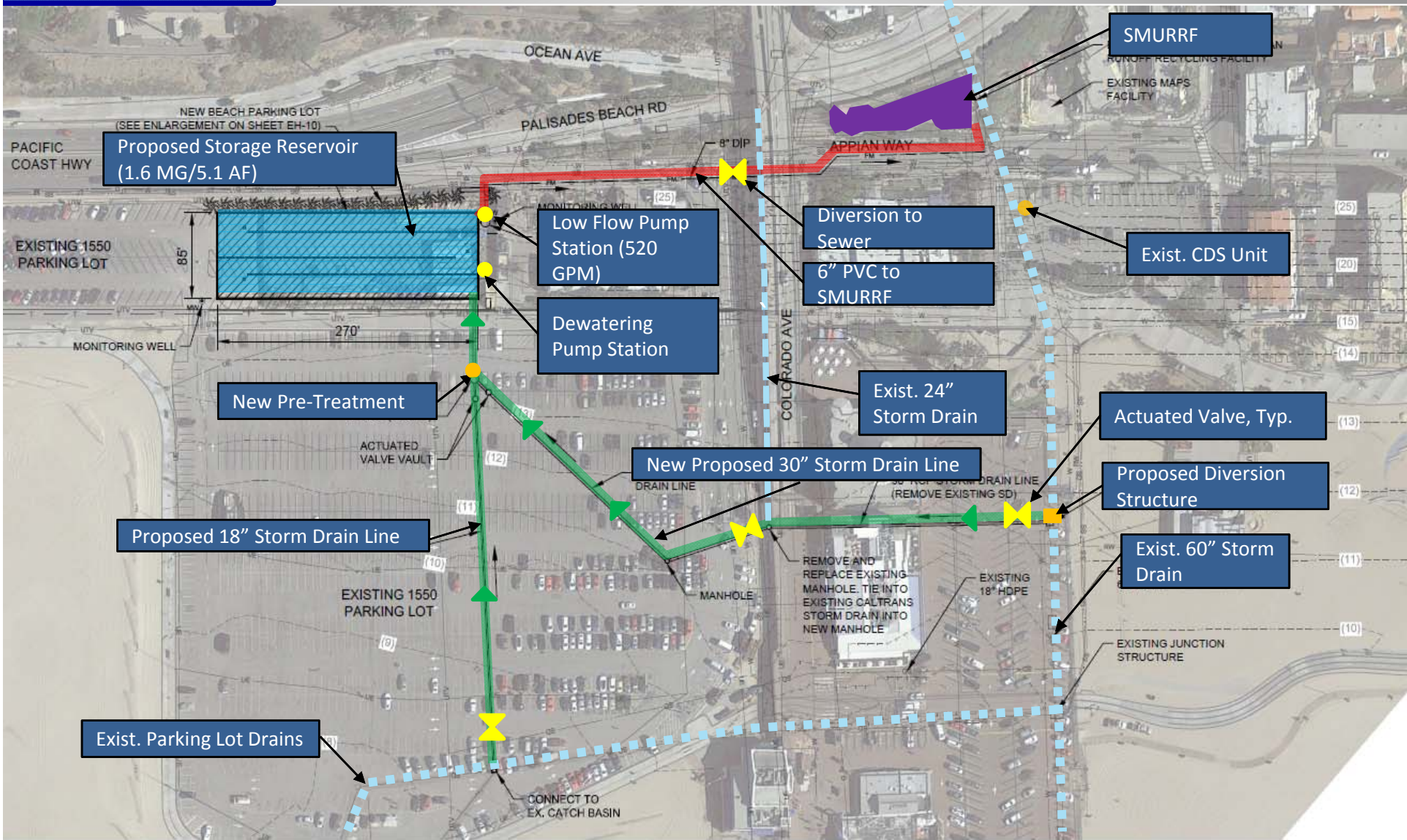
PIER WATSHED  
106 ACRES



Source: Esri, DigitalGlobe, GeoEye, Earthstar (USDA), USGS, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community



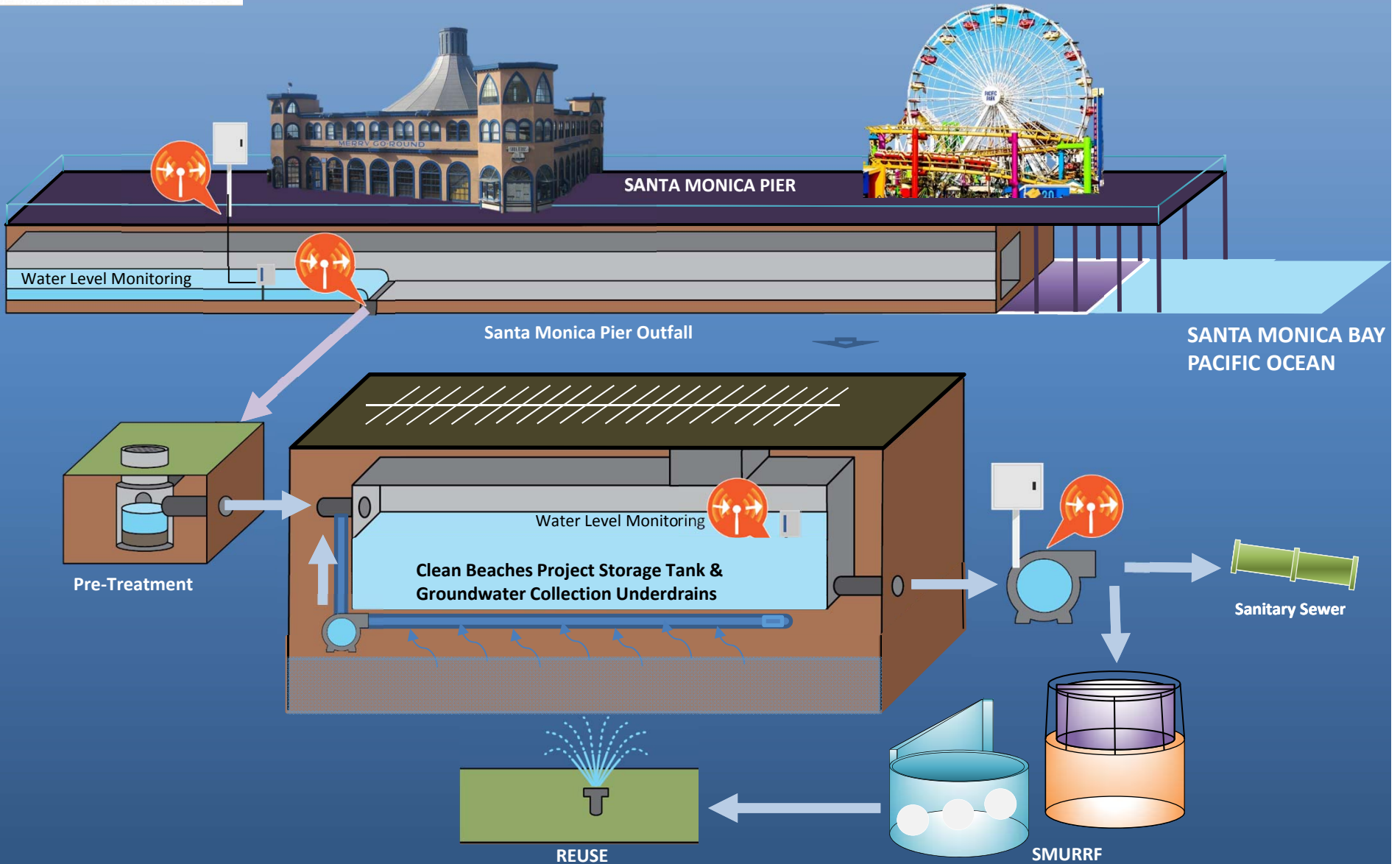
# CBI







# Santa Monica Clean Beaches Project Schematic





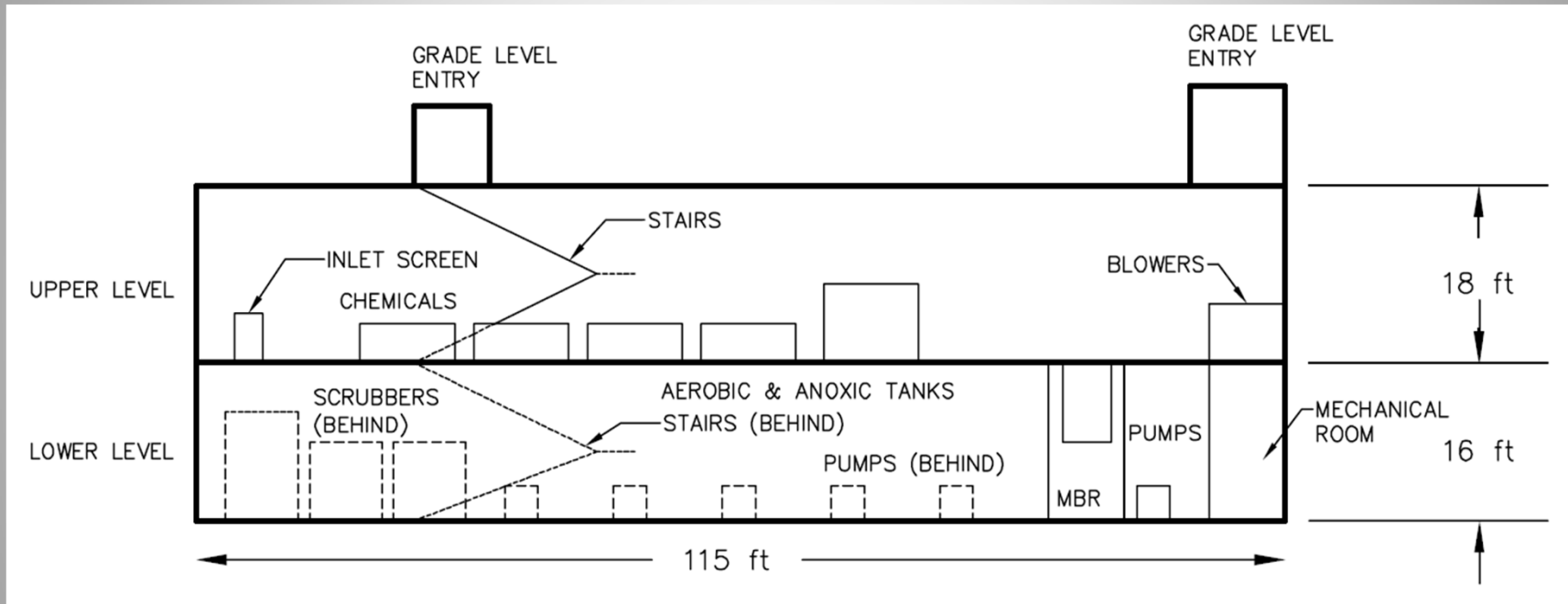
# SWIP





# SWIP

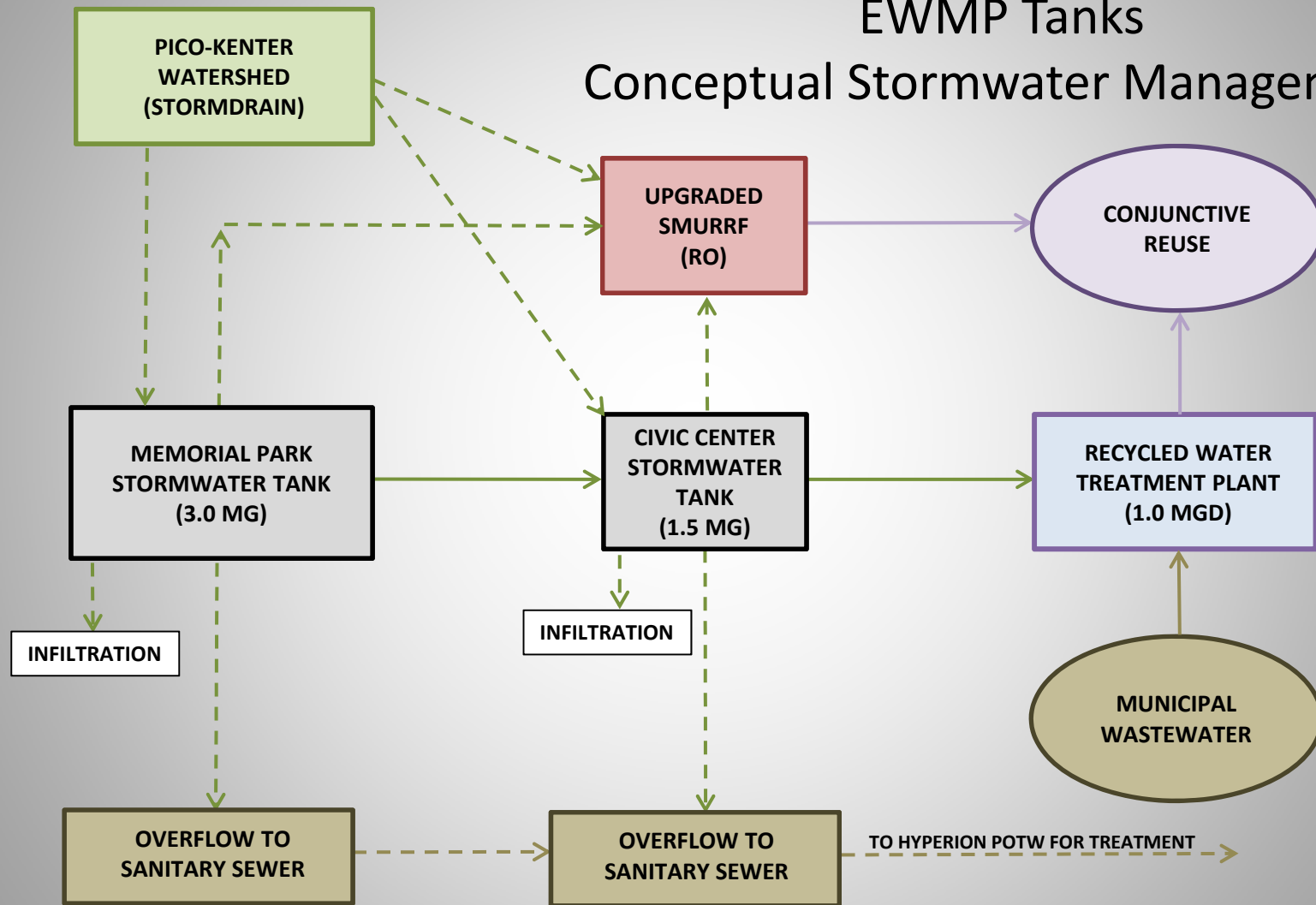
## Section View – Below Grade 1 MGD





# SWIP

## EWMP Tanks Conceptual Stormwater Management





**QUESTIONS?**

