



MARINA DEL REY ENHANCED WATERSHED MANAGEMENT PROGRAM

TJ Moon
July 12, 2018

MARINA DEL REY

Watershed Overview

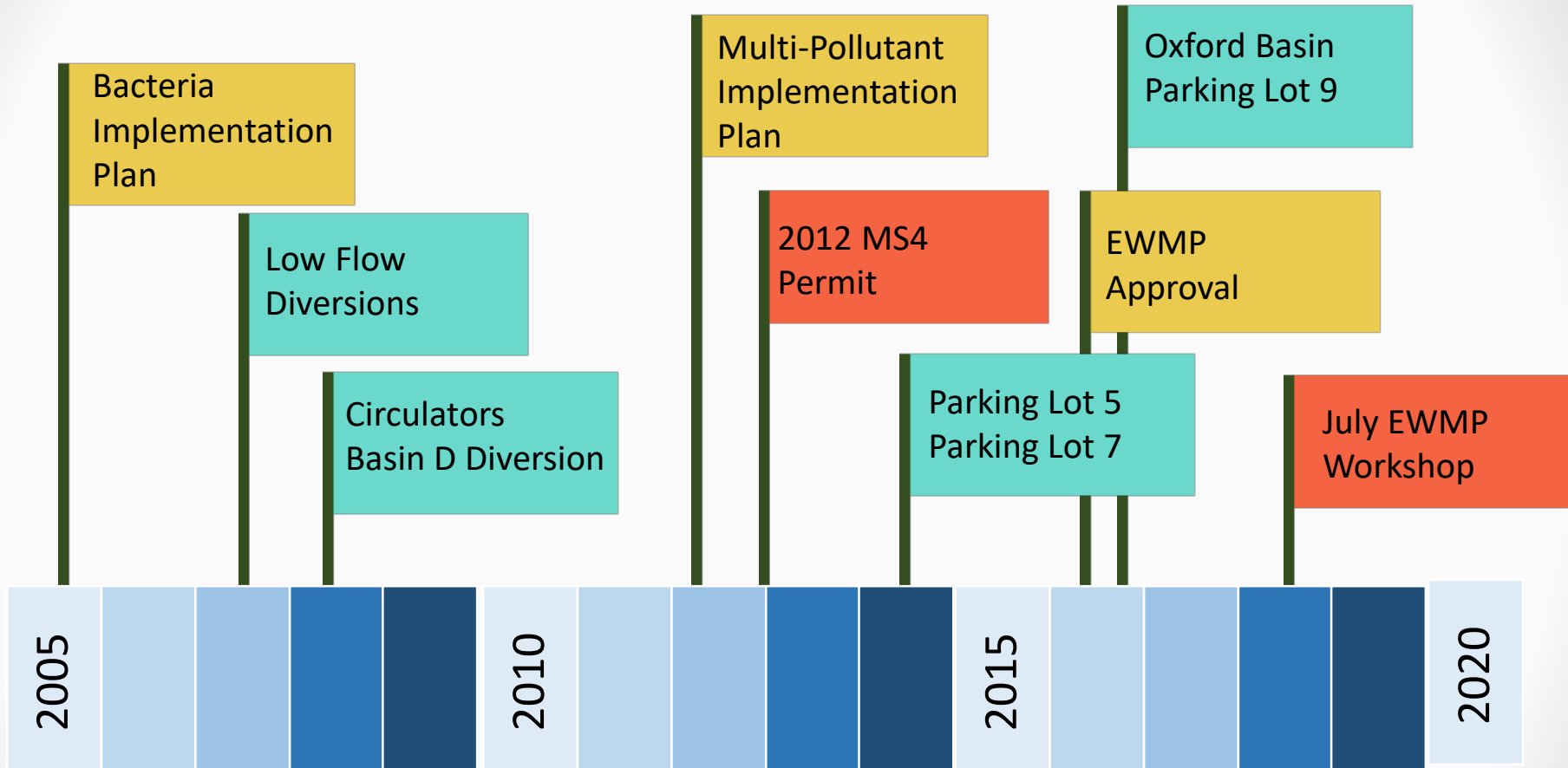


- **Four Subwatersheds**
 1. Harbor (Front & Back Basins)
 2. Ballona Lagoon
 3. Boone Olive Pump Plant
 4. Oxford Basin
- **Tributary Area: 1409 acres**
 - City of LA 971 acres 69 %
 - County 396 acres 28 %
 - Culver City 42 acres 3 %



MARINA DEL REY

Timeline History

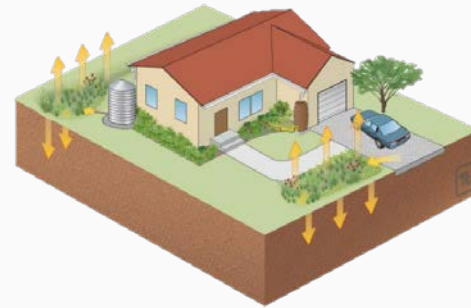


WATERSHED CONTROL MEASURES

1. Non-Structural Measures



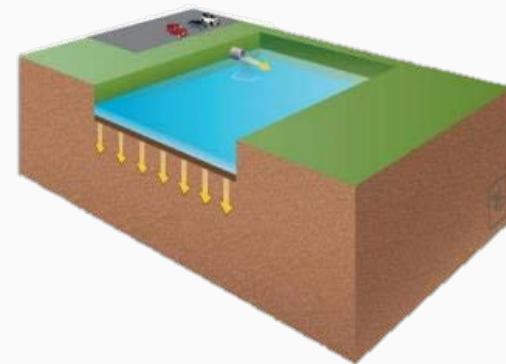
2. Low Impact Development



3. Green Streets



4. Regional Projects



NON-STRUCTURAL MEASURES

Bacteria TMDL Efforts



- ❖ June 2015 – New Beach Signage



- ❖ March 2018 – Dye Tablet & Bird Feeding Ordinance



- ❖ June 2017 – Additional Bird Deterrents



- ❖ March 2018 – Dye Tablet Pilot Program



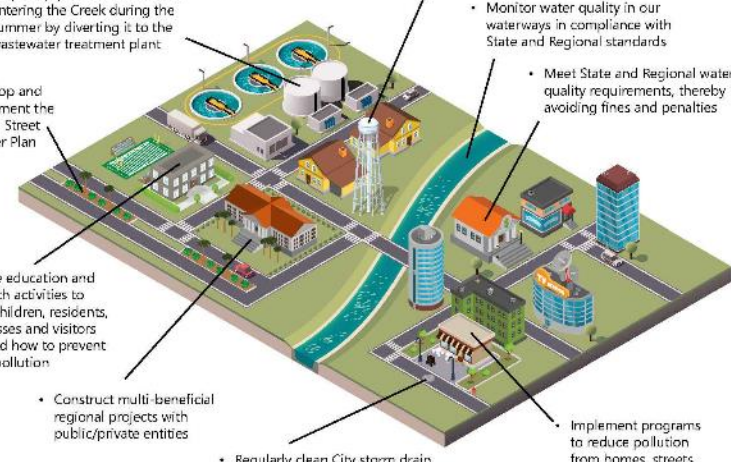
NON-STRUCTURAL MEASURES

Culver City – Measure CW

MEASURE
CW

Culver CITY
CleanCulverCity.com

What will it be used for?

- 
- Help keep polluted runoff from entering the Creek during the summer by diverting it to the wastewater treatment plant
 - Develop and implement the Green Street Master Plan
 - Provide education and outreach activities to teach children, residents, businesses and visitors why and how to prevent water pollution
 - Construct multi-beneficial regional projects with public/private entities
 - Regularly clean City storm drain pipes and street inlets to keep trash and pollutants from reaching our waterways and beaches
 - Infiltrate storm water into the ground, thereby increasing ground water supplies
 - Monitor water quality in our waterways in compliance with State and Regional standards
 - Meet State and Regional water quality requirements, thereby avoiding fines and penalties
 - Implement programs to reduce pollution from homes, streets, businesses and industry, such as Clean Beaches Restaurant Certification program

Ballot Measure CW



Measure CW would establish an annual Clean Water, Clean Beaches Parcel Tax in the City of Culver City. Measure CW was placed on the ballot by the Culver City City Council to create a dedicated source of funding to pay for water quality programs that will prevent pollution from reaching our waterways, beaches and the Ballona Creek Estuary. Measure CW will require approval by 2/3 of those voting on the measure.

For Further Information:

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- Nov. 8, 2016, Culver City residents passed Measure CW (74% Yes)
- \$99/year for typical single family parcel
- \$69/year for unit for multi-dwelling residential
- \$1096/year/acre for non-residential land
- Expected to generate \$2.3M/year
- All funds will be used to reduce stormwater pollution



Public Works
LOS ANGELES COUNTY

LOW IMPACT DEVELOPMENT

Parking Lot 5



- Treats 2.3 Acres
- Urban Greening
- Aesthetic Improvement
- Cost: \$250,000
- Completed: Sept. 2014

LOW IMPACT DEVELOPMENT

Parking Lot 7

- Treats 1.1 Acres
- Urban Greening
- Aesthetic Improvement
- Cost: \$250,000
- Completed: Sept. 2014



LOW IMPACT DEVELOPMENT

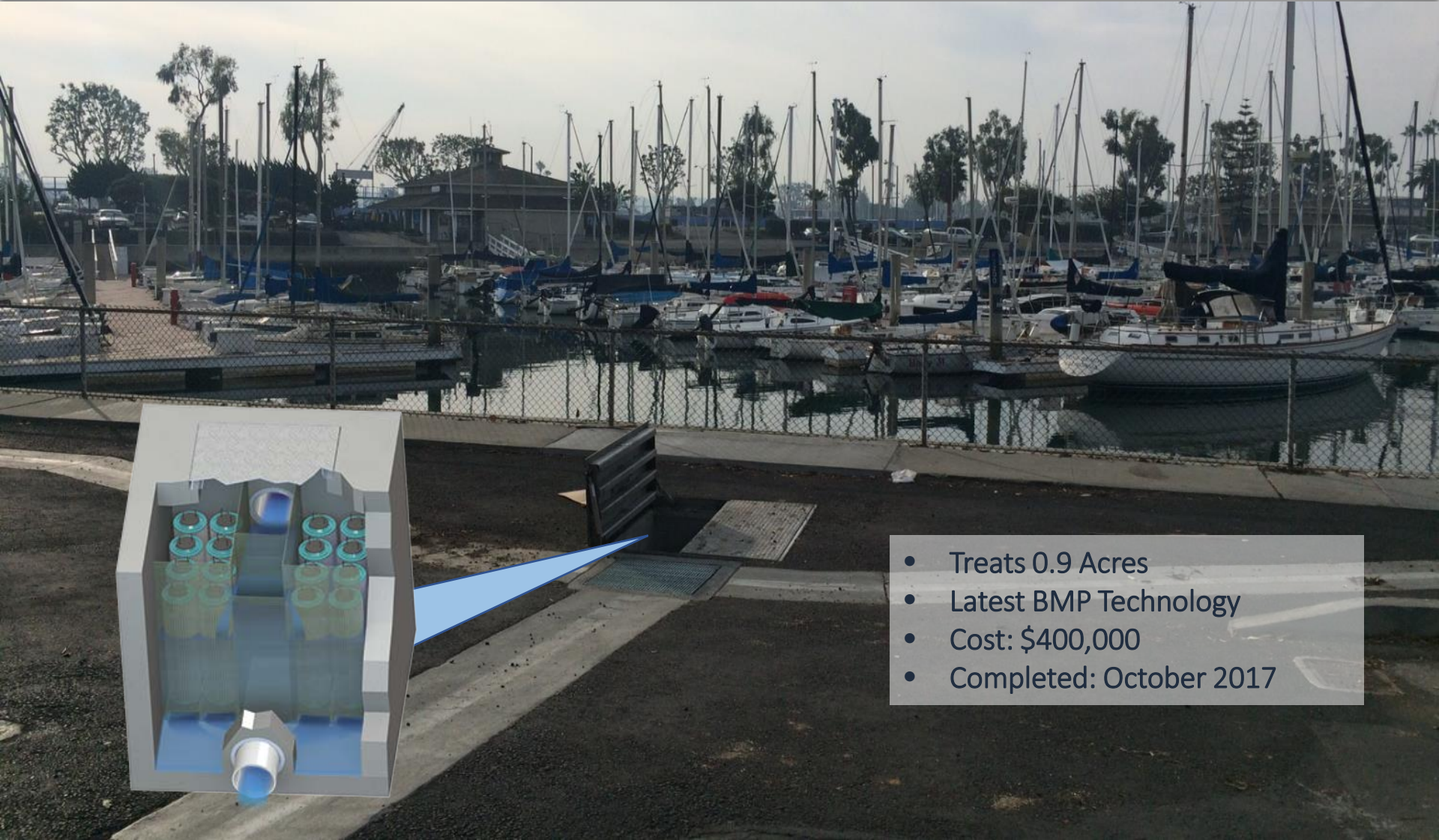
Parking Lot 9



- Treats 1.5 Acres
- Urban Greening
- Aesthetic & Recreational Improvement
- Cost: \$1,600,000
- Completed: October 2016

LOW IMPACT DEVELOPMENT

Library Parking Lot



- Treats 0.9 Acres
- Latest BMP Technology
- Cost: \$400,000
- Completed: October 2017

GREEN STREETS

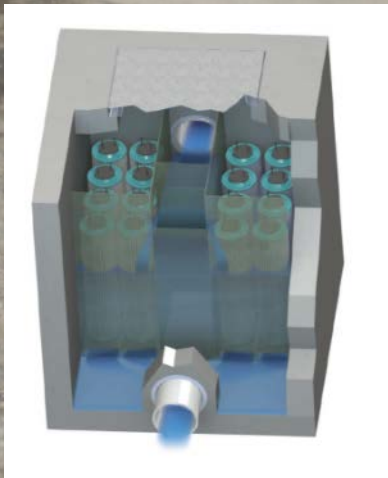
Green Street Master Plan

- Serves Admiralty Way
- Part of Oxford Basin Project
- Completed: Summer 2016
- County is preparing Green Street Master Plan
- Completion Date: Early 2020



GREEN STREETS

Mole Road Water Quality Catch Basins



- Retrofit 13 Catch Basins
- New Technology
- Cost: \$1,500,000
- Completion Date: 2021

REGIONAL PROJECTS

Oxford Basin Multi-Use Enhancement Project

- Serves 671 acres
- Multi-Benefit Project
- Cost: \$14,500,000
- Grant Funding: \$3,500,000
- Completed: Summer 2016



REGIONAL PROJECTS

Washington Blvd Stormwater Capture Project

- Capture 40 acres
- Water Supply Benefit
- Cost: \$7,700,000
- Grant Funding: \$750,000
- Completed: Fall 2020



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Public Works
LOS ANGELES COUNTY