

Walking Tour of Storm Water Best Management Practices at the Riverside County Flood Control and Water Conservation District

September 13, 2017



Bioretention

A depressed landscape feature captures rainfall and runoff. Retained water percolates through soil to a stone reservoir. Amended soil and plant roots act as a sponge, giving plants and their root structures longer time to absorb and evapotranspire water back into the atmosphere. The soil also filters debris and pollutants from the water.

Porous Asphalt

Although the parking stalls in this lot are paved in traditional asphalt, they slope toward a center strip that is surfaced with Porous Asphalt. Water passes freely through the Porous Asphalt to a stone reservoir.

Monitoring Station

Flows from the on-site BMPs will be monitored for water quality improvements as well as stormwater volume reductions. These flows will be compared to captured rainwater and flows from monitored control areas.

* Location of informational sign.



Low Impact Development Project Overview Sign

Permeable Pavers System

Permeable Paver Systems, or modular blocks, provide a decorative hard surface suitable for walkways and parking. The blocks, which are themselves impervious, are placed in such a way that gaps, filled with porous aggregate, are created. Stormwater passes through the gaps to a stone reservoir beneath the blocks. Stormwater infiltrates into the native soil over time.

California Friendly Landscaping

Plantings in this installation make use of California friendly plants that have evolved to live easily with our soils, wildlife and climate. Approximately 210 plant markers are distributed throughout the site. They highlight approximately 100 species of plants.

Planter Box

Runoff from the roofs of each building are directed into Raised Planter Boxes filled with vegetation planted in an engineered soil mix. The soil acts as a filter that captures pollutants, allowing bacterial activity in the soil to metabolize trapped pollutants.

Porous Concrete

The parking stalls in this lot are paved with Porous Concrete. The rest of the parking lot is made of standard asphalt that drains into the Porous Concrete parking stalls. Water passes freely through the Porous Concrete to a stone reservoir.