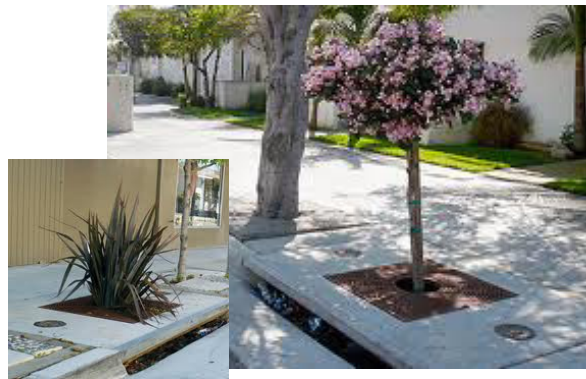


# Stormwater Quality and Detention Options

There are two aspects to stormwater management:

1. quality (pollutant removal)
2. detention (storing new runoff resulting from added impervious surfaces, i.e. pavement, concrete)



## Filterra Systems

The Filterra system accepts stormwater runoff from the roadway through the curb opening shown in the photo. Pollutants contained in the runoff are removed through a filtration process using composted soil and the root system of the planting. A pipe located at the bottom of the planter box conveys the runoff into the storm drain for eventual discharge into Baldy Creek. This is more expensive than a bioswale for removing pollutants.



## Bioswale Systems

The bioswale system functions the same as the Filterra System in that it is a filtration system. It differs in that it is more visible and its purpose possibly more recognizable as a stormwater treatment facility. This is less expensive than a Filterra system for removing pollutants.



## Detention Ponds

An open air pond for the purpose of detaining or temporarily storing runoff and not for removing pollutants. Construction costs are less expensive than an underground pipe system.



## Underground Pipes

The underground pipe system is for the purpose of detaining or temporarily storing runoff and not for removing pollutants. This has a higher construction cost than an open air detention pond, but is more aesthetically appealing because the system would not be visible on the surface.