quick reference guide

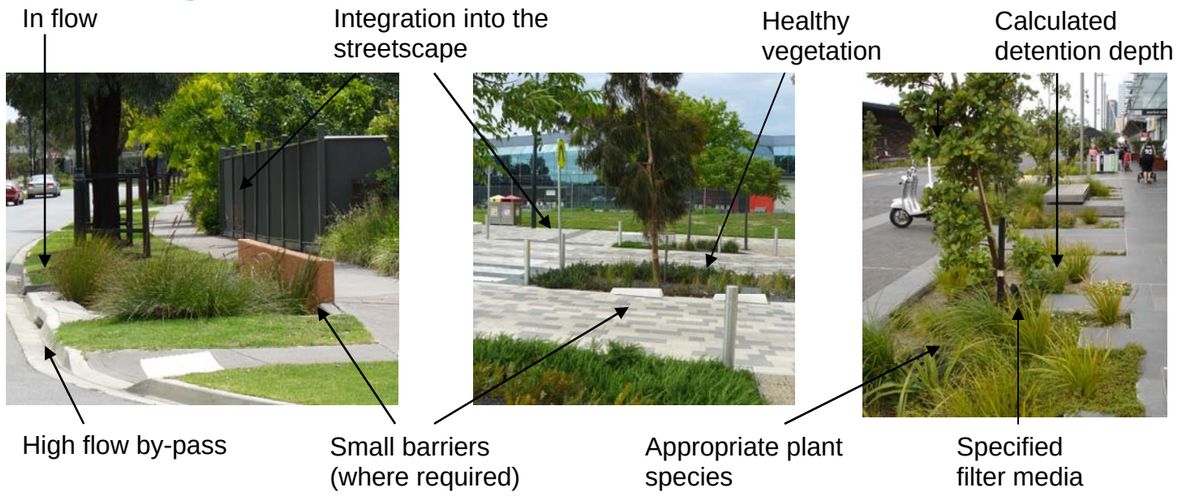
Raingarden design principles

Building raingardens in our streetscapes to treat stormwater

What is a raingarden?

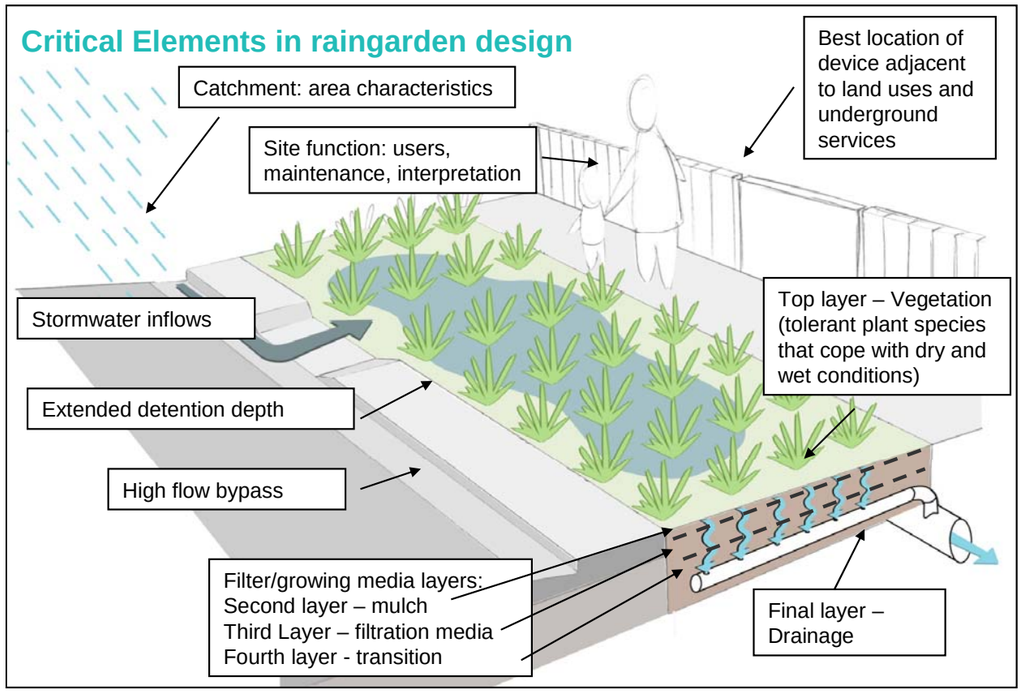
A raingarden is a garden bed which is designed to treat stormwater. As water falls onto and enters the garden it is passed through a filter media which is planted with vegetation. Both of these elements provide treatment. Treated stormwater is then fed back into the drainage system or left to infiltrate into the ground below. When integrated into streetscapes, raingardens can provide a greener solution to treating stormwater and reduce the demand on potable water to water the plants.

Good design elements

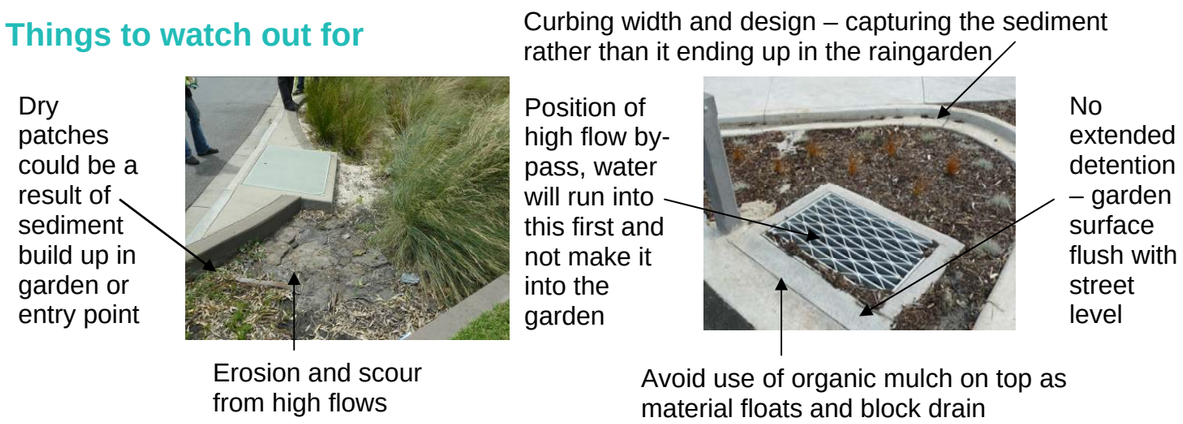


For more technical information

- Raingarden Installation Guide - http://www.clearwater.asn.au/content/raingardens-installation-guide
- Maintenance guide from the Auckland Council in NZ - http://www.clearwater.asn.au/content/operation-and-maintenance-guide-raingardens
- FAWB guidelines for bio-filtration system specifications - http://www.clearwater.asn.au/content/facility-advancing-water-biofiltration-fawb-guidelines-version-301



Things to watch out for



Tips – the top layer of sediment may need to be removed as part of garden maintenance and poor vegetation health may be the ***sign of sediment/pollutant removal required, and/or poor plant selection and system***