



# Raingardens

Raingardens form a key component of Water Sensitive Urban Design. They are a physical asset designed to collect water run off from roadways and strip the water of harmful hydrocarbons before entering into the wider drainage network.

Raingardens are located alongside road carriageways, within the road reserve. The purpose of a rain garden is to collect environmentally harmful elements such as tyre rubber and oils from the road that are mobilised during a rain event, and remove the harmful elements before the water travels further downstream.

The rain garden is connected to the road through flush kerbing which allows these systems to collect sediment prior to entry into the road drainage system. The soil profile and vegetation specification will provide water quality treatment by stripping nutrients and also acting to capture hydrocarbons from the road runoff.

Raingardens will feature a soil profile containing bio-retention media and local, native, ephemeral vegetation to provide nutrient stripping functions.

Raingardens require ongoing maintenance to remove weeds, watering to assist vegetation growth during summer months and cleaning out the sediment on a periodic basis. Given the location within road reserve, ultimate maintenance is the responsibility of the local government.

## BENEFITS OF HAVING A RAINGARDEN

BIODIVERSITY AND WILDLIFE



SAVING WATER



GOOD FOR THE ENVIRONMENT



parcel.