

1.3 STORMWATER CONTROLS AND TREATMENT FUNCTIONS

The following sections use several of the terms below as they define the practice and approaches to sustainable stormwater management strategies in more detail.

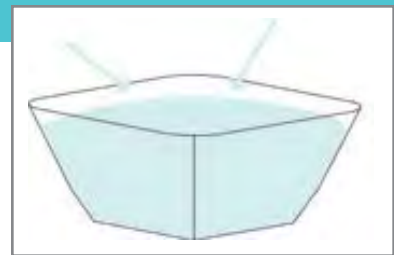
DETENTION

The temporary storage of stormwater runoff (in ponds, underground systems, or depressed areas) to allow for controlled discharge at a later time. The outlet structure restricts outflow to pre-development rates.



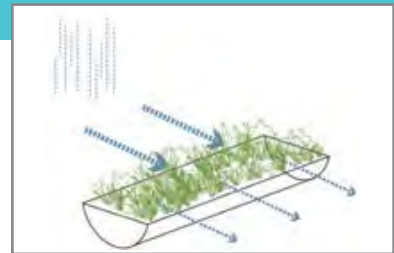
RETENTION

The storage of stormwater runoff on site and not released at a later time.



FILTRATION

The removal of sediment and other pollutants from stormwater runoff by the movement of runoff across a vegetated area and through media.



INFILTRATION

The vertical movement of stormwater through plants and soil. In systems without an under drain or liner, infiltration recharges groundwater.



EVAPOTRANSPIRATION

The combined amount of evaporation and plant transpiration from the soil surface or from the plant's vascular system to the atmosphere.

