Permeable paving options

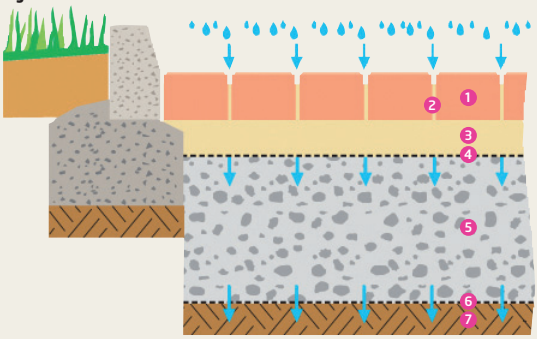
System A - Full infiltration
For existing subgrades with good permeability, this system allows all the water falling onto the pavement to infiltrate down through the constructed layers below and eventually into the ground, after temporary storage.

System B - Partial infiltration
A fixed amount of water is allowed to infiltrate, generally a large percentage of the rainfall. Outlet pipes allow excess water to be drained from the sub-base to other drainage devices.

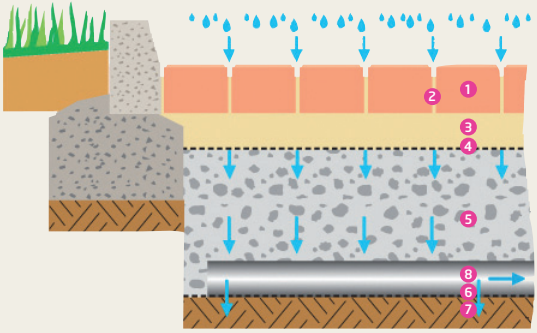
System C - No infiltration
Where the existing subgrade permeability is poor or contains pollutants, this system allows for the complete capture of the water. It uses an impermeable, flexible membrane placed on top of the subgrade and up the sides of the permeable sub-base to effectively form a storage tank. Outlet pipes transmit the water to other SUDS or drainage devices, or for harvesting and re-use.

Key to diagrams
1 Block paving
2 Jointing material
3 Laying course
4 Upper geotextile
5 Permeable sub-base
6 Lower geotextile
7 Subgrade (ground)
8 Drainage pipe
9 Flexible membrane

System A



System B



System C