

# SuDS - Sustainable Drainage – What?

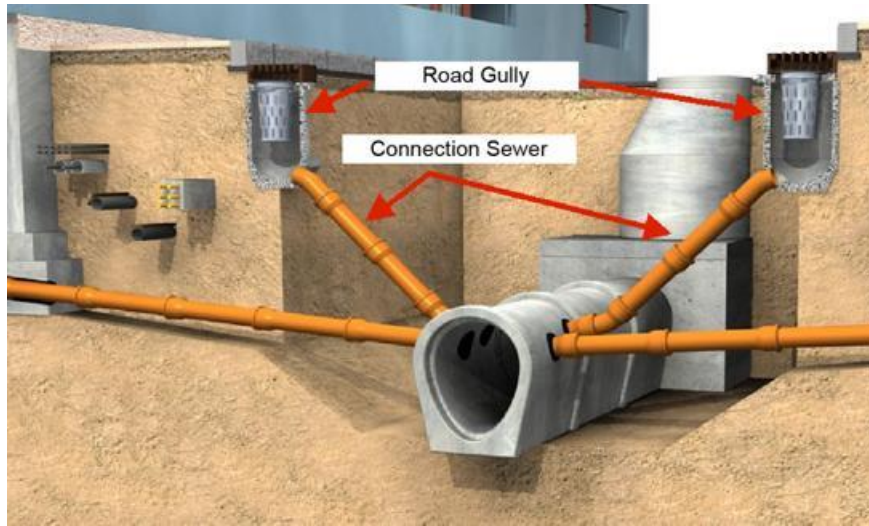
A brief guide of SuDS in practice – how they work

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**ARUP**

# What?

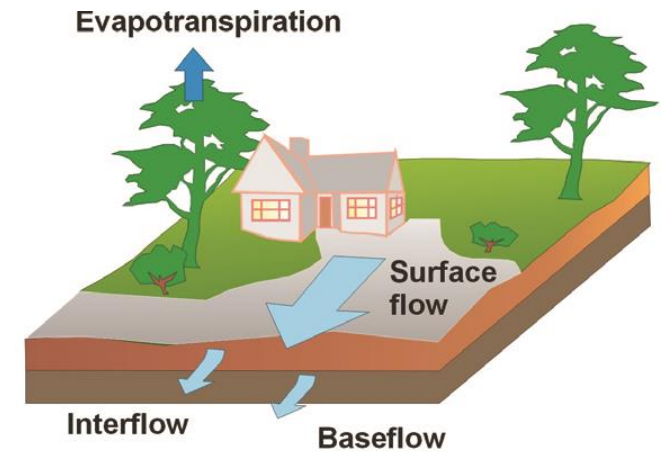
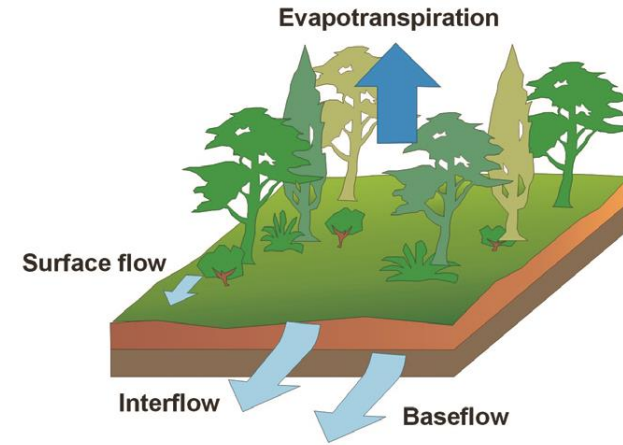
## “Traditional” or Conventional drainage?





# What?

## Sustainable Drainage or SuDS?



Hydrological Processes

# Why?

Why SuDS and not just more “traditional” pipes?

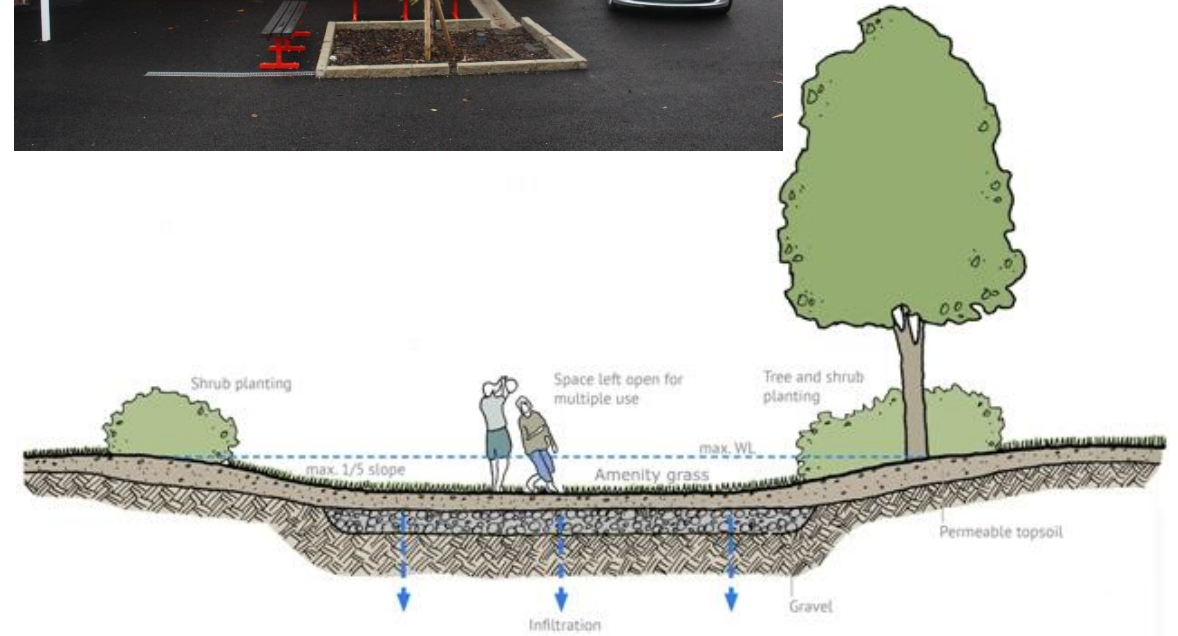
- Better way to drain for many reasons
- Specifically for GM, must disconnect from sewer, therefore:
  - Infiltrate into the ground – where possible
  - Slow down the flow into an adjacent watercourse
  - Green roofs – 50% saving offered
- Added multiple benefits to SuDS
- Cheaper to build than many traditional methods
- Next slides feature some SuDS schools may wish to consider





# Infiltrate

- Where ground conditions are suitable, this is applicable to part of GM



<http://www.susdrain.org>



# Slow down - Attenuate

- Where a suitable watercourse exists





# Green Roofs

