

Practically Demonstrating SuDS

(Sustainable Drainage Systems)

Instructions for a quick, easy way to demonstrate SuDS.

- 1 Take two 2 litre plastic bottles
- 2 Cut them both in half with scissors
- 3 Invert the top half of each bottle and insert it into the bottom half
- 4 Fill one of the bottle tops with chipped stones, pebbles, rocks. etc.
- 5 Fill the second bottle top with the following layers:
 - a. Grit/sand
 - b. Fine gravel
 - c. Soil
 - d. Moss/other vegetation
- 6 Pour dirty water through each of the bottles. Water will flow quickly through the stone-filled bottle and will remain dirty when it collects in the base of the bottle. Water will filter slowly through the layers in the 'wetland' bottle. The dirty water will also be filtered as it moves through the layers resulting in cleaner water collecting in the bottom of the bottle.

