SuDs Features Newcastle Emlyn

Grasscrete

Grasscrete is a type of paving made of concrete blocks with open cells that let grass grow through, allowing rainwater to soak into the ground instead of running off.

Surface reprofiling

Surface reprofiling means reshaping the car park ground levels so rainwater naturally flows into areas designed to soak it up instead of running off.



Perforated curbs

Perforated pavements let rainwater pass through tiny gaps in the surface so it soaks away instead of running off



Channel drains

Channel drains are narrow grated drains set into the ground that catch surface water and carry it away safely.



Rain garden

A rain garden is a planted dip in the ground that collects rainwater, filters it through soil and roots and helps it soak away naturally.



Permeable block paving

Permeable block paving looks like normal paving but has small gaps between the blocks that let rainwater soak through into the ground below.



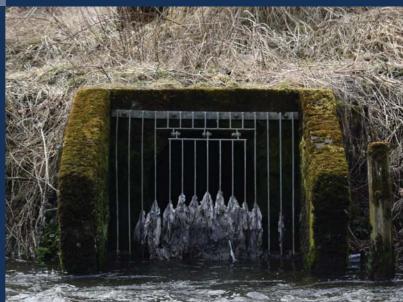
Why are we doing this?

River Teifı

A Special Area of Conservation at present failing to meet compliance standards. Every small action we take in our towns affects the health of the Teifi.

Pressure on our sewers

During heavy rain too much surface water enters the combined network mixing with waste water and sewage causing storm overflows. By keeping surface water out of the sewer network we can reduce flood risk and protect the river Tywi.



Surface water runoff

Water runs off our roads and car parks straight into drains carrying oil, pollutants and sediment to the river



Cooler car parks in the summer, nicer place to be, valuable small habitats for pollinators. Help the water soak into the ground naturally.



Trapping nutrient and sediment runoff

The Mart produces diffuse pollution and bioretention areas and permeable paving will act as natural filters, before the water enters the river Teifi.



Making it nicer for the community

A new rain garden and parent shelter will create a greener, calmer place to wait. Somewhere that feels part of the community not just a car park.



