Going with the flow Managing rainfall with Sustainable Drainage Systems



Provides habitats for a variety of flora and fauna

SuDS components are used so that no surface water runoff enters the sewer system

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Planters, permeable paving, rain gardens, green roofs, trees and a swale are used in the pocket park

Manages surface water flood risk O

Provides an attractive local community area

Community does the maintenance

Reduces the rate of runoff

Reduces combined sewer overflow (rainfall and sewage) spills into Loughor Estuary

Peak flow runoff rates reduces by 77%

Improves the quality of the local watercourse

Manages surface water flood risk

Provides an attractive public open space

Biodiverse

SuDS can be biodiverse landscape features that deliver many benefits

Flexible

SuDS includes landscape features and engineered hard components that can be integrated to manage surface water runoff

Slow the flow

Street Ponnected space Ocket Park, London

SuDS are designed to slow water down and treat it before it enters our watercourses and sewers

Mimic nature

SuDS mimic nature and manage rainfall close to where it falls

Resilience

Permeable paving

This retrofit SuDS scheme in a public over was completed in 2013 by Dwr Llanelli Queen Mary's Walk, Llanelli

SuDS provide greater resilience to the challenges of climate change and population growth

Cost effective

SuDS are able to reduce development costs and help to deliver housing and workplaces





SuDS create attractive, pleasant and useful places

SuDS create flourishing and ecologically diverse environments



runoff flows and volumes

from developments and

make best use of water

SuDS treat a wide SuDS manage surface water

range of pollutants in surface water runoff

A good SuDS scheme will work with the opportunities of a site to deliver improvements in flood risk management, water quality, amenity and biodiversity making great places to live

