SuDS - Getting it Right!

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Statutory SuDS – It's better design

- Sustainable Drainage (SuDS) Statutory
 Guidance For local authorities on the
 implementation of Schedule 3 to the Flood
 and Water Management Act 2010, the
 mandatory use of SuDS on new
 developments and approval and adoption by
 the SuDS approving body (the SAB).
- 6 standards have to be met if SAB approval is required.
- If approval is not received, then construction cannot take place.

The 6 Welsh Standards

- Where does it drain to?
- Manage flood risk
- Quality
- Amenity
- Biodiversity
- Who owns it/adopts it/maintains it

The Key Challenges



TRAINED
TECHNICAL STAFF



COLLABORATING WITH PLANNING



MANAGEABLE MAINTENANCE



CONSISTENCY

The Benefits



Delivering Multibenefits from the start



Creating cleaner & greener places to live & work



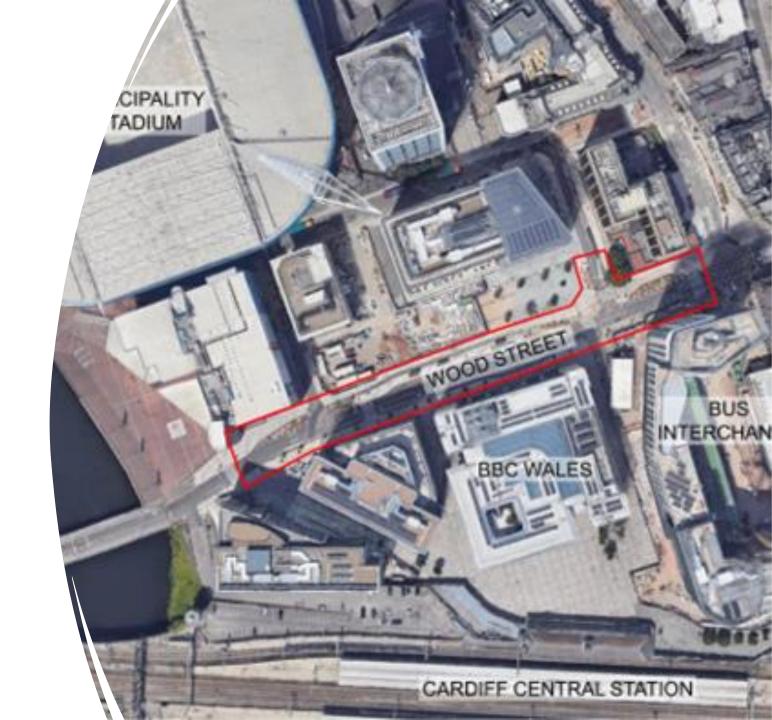
Taking maintenance more seriously



Delivering better design

Central Square

A City Centre Design



Wood Street – City Centre Challenges









Design – Installation - <u>Maintenance</u>













Greener Grangetown

• A Residential Design



Greener Grangetown: Location & Delivery



Key Facts

- 12 streets
- 555m improvement to Taff
 Trail Route 8 NCN
- 14 safer junctions
- 108 new rain gardens
- 130 new trees
- 4.2 Ha surface water removed from the sewer network
- 1,700m² of new green space
- 19 native species
- 26 cycle stands
- 4 new outfalls
- 10 new benches and seats







Residential Design Challenges







Proper Consultation = Community Pride



Community Pride = Community Action







Maintenance Manages Pollutants



Before



After



SuDS Will Become the New Norm

Well designed and installed SuDS deliver flood risk management, water treatment, enhanced biodiversity, community amenity and nicer places to live and work.

As the consequences of the climate crisis encroach upon us, putting off such multi-benefit solutions is unsustainable.

All SuDS good solutions are a clever combination of civil engineering & landscape architecture.