SuDS not duds - expectations Vs reality

https://greenergrangetown.wordpress.com/

CLIENT
Ian Titherington
Lead Drainage Officer

CONTRACTOR
Ken Evans
Civils Operations Director

Ian Titherington, City of Cardiff Council & Ken Evans, ERH communications and engineering
‘Unsustainable’ drainage

The Partnership

- Local Authority
- Highways Authority
- Lead Local Flood Authority
- Sewerage undertaker
- Risk Management Authority
- Experience
- Environmental regulator and consenting authority
- Responsibility for the aquatic environment
- Risk Management Authority

SuDS not duds - expectations Vs reality

Ian Titherington, City of Cardiff Council & Ken Evans, ERH communications and engineering
The Greener Grangetown vision

- To make Greener Grangetown an exemplar scheme for sustainable drainage in Cardiff, Wales and beyond
- To encourage greater partnerships with the public, private and third sectors – combining both expertise and funding
- To enhance the visibility of water
- To change the perception of rainwater, to become regarded as an asset

Multiple benefits
Engagement and Education

What is a rain garden?
A rain garden is a garden designed to catch and infiltrate stormwater.
Design Process & Integration

Community Engagement
Design Refinement and Development

Feasibility .......Outline & Optioneering......... Consultation ........Final Design

- Civil Engineering
- Smart Technology
- Traffic Management
Challenges
Utilities and ground conditions

Grangestone Bridge, 1985

Challenges
Street geometry & parking

‘Narrow’ Street

‘Wide’ Street

Ian Titherington, City of Cardiff Council & Ken Evans, ERH communications and engineering
Challenges

Liaison with the Public
Working with Urban Trees
Construction in ‘Dead end’ areas

Before
‘Dead end’ areas

After
Construction in Taff Embankment

Before
Taff Embankment

After

Final Design
SuDS not duds - expectations Vs reality

In partnership

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