

# Community Based SuDS

*Blue Green Cities*

*7<sup>th</sup> March 2019*



We're active members of the communities we serve

That's why at Stantec, we always **design with community in mind**

This is our promise



# Whitburn Spills – Roker Park SuDS





# Whitburn Spills – Community Benefits



**Esh Stantec**

**Sunderland City Council**

**Turner & Townsend**

**NORTHUMBRIAN WATER** living water

**Stantec**



# Water Resilient Cities Initiative

## Moorlands School, Manchester

<b>Funders</b>	<ul style="list-style-type: none"> <li>Business in the Community are funded by <b>DEFRA and United Utilities</b></li> </ul>
<b>Clients</b>	<ul style="list-style-type: none"> <li>Moorlands Junior School</li> <li>Business in the Community</li> </ul>
<b>Designers</b>	  
<b>Contractors</b>	
<b>Other</b>	       

*Business-led group promoting healthy communities with successful businesses at their heart*



# Moorlands School

SuDS  
used

Raingardens

Infiltration Trench

Permeable Paving

Benefits

Education and  
Amenity

Biodiversity and habitat  
creation

Lower water bills

Demonstration site for  
Greater Manchester



*Stepping stones provide the opportunity for school children to interact with the raingardens*



*Savings on SW charges alone will pay for the scheme in 12-15yrs*

*Promoting SuDS through guidance, example projects and engagement*

BUSINESS  
IN THE  
COMMUNITY

The Prince's  
Responsible  
Business Network

 Stantec

# Economic drivers for improving resilience to major events



Represents good business

## FEMA

“Every \$1 spent on mitigation saves \$4 on disaster recovery”

“Post disaster, if a business hasn’t re-opened within 5-days, nearly 90% of those businesses will fail.”

## Defra

“Coastal, river, and surface water flooding cost England and Wales £1.2bn per year in damages”

## EA

“EA flood defense projects provide at least £5 of benefits for every £1 spent”





# Our values guide us

We put people first

We are better together

We do what is right

We are driven to achieve