

JNCC took on the UK LIFE National Contact Point from 01 January 2016 and these presentations/documents are from events under the previous LIFE NCP, Beta Technology. For further information on UK LIFE please see the dedicated webpages at: jncc.defra.gov.uk/UKLIFE

GROUNDWORK
CHANGING PLACES
CHANGING LIVES



LIFE+ Climate proofing social housing landscapes

Defra presentation

Date: 6th November

www.groundwork.org.uk



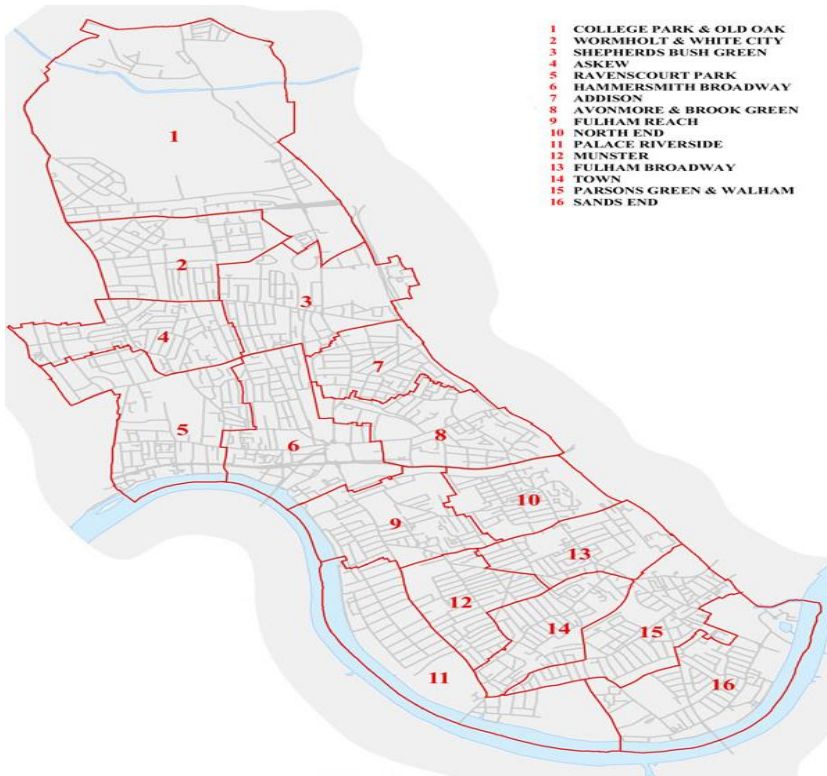
Climate proofing social housing

>> landscapes



- Partnership between GL (Coordinating Beneficiary) and LBHF (Associated Beneficiary)
- £1.3 million over 3 years (31/03/2016)
- Aim: increase climate resilience of vulnerable communities

>> What are we doing in LBHF?



- Queen Caroline Estate W6

- Cyril Thatcher, Eric McDonald & Richard Knight SW6

- Cheeseman's Terrace, w14

- Demonstrate the strategic opportunity of open spaces in EU social housing estates for climate change adaptation

Objectives

- ⑩ Increase the functional green infrastructure of LBHF
- ⑩ Improve local strategic flood risk interventions in LBHF
- ⑩ Evidence small-scale adaptation plans as best practice for both retrofitting and new development contexts
- ⑩ Demonstrate the business case for cross-cutting investment in climate change adaptation through economic and employment budgets

GROUNDWORK

Outputs

MAIN ACTIONS	MAIN RESULTS EXPECTED
<p>Transferable methodology for designing Green Infrastructure (GI) measures into social housing landscapes</p>	<p>Feasibility Assessments spatially overlaying environmental threats and opportunities</p>
<p>Retrofitting GI measures in three different types of social housing landscapes</p>	<p>2500m² enhanced green infrastructure</p>
<p>Implementation through employment programmes for long-term unemployed beneficiaries creating local jobs</p>	<p>35 work placements and 12 jobs created</p>
<p>Training programme for housing and grounds maintenance professionals on the whole cycle of adaptation and green infrastructure relevant procurement systems, design, retrofit and maintenance</p>	<p>Accredited training programme</p>
<p>Transferable methodology for resident stakeholder engagement</p>	<p>3 Climate Change Adaptation Plans</p>
<p>Evaluation methodology capturing technical performance and social return on investment</p>	<p>Transferable and comprehensive methodology for monitoring the environmental impact of climate change adaptation through GI measure</p>
<p>Interactive e-learning materials incl. a film to inform local, national and EU policy, strategy and best practice</p>	<p>Project film, educational materials and layman's report</p>

CER PHOTO SURVEY



Project no. R0196
LIFE + Retrofitting Social Housing Landscapes
February 2014

CYRIL THATCHER, ERIC MACDONALD & RICHARD KNIGHT HOUSES SKETCH PROPOSALS

Sketch proposals for implementing climate change adaptation measures into the estate's open spaces. Proposals have been short listed to provide a variety of types of measures and to avoid impacting on existing uses of the open spaces.



KEY:

	Existing Tree		Existing Planting
	Proposed Tree		Proposed Planting
	Green Roof		Grass
	Naturally Colonised Roof		Raised beds for food growing

6. Food Growing Area

New timber raised beds with good quality soil will be introduced to allow residents to grow their own food. Edible climbers can be trained up the walls of the prism sheds.



5. Sedum Blanket Plant Bed

Plant beds extended by removing immediate paving slabs and planted with low maintenance sedums.



1. Green Roofs

Two types of green roof are proposed, an extensive green roof to Richard Knight Houses and extensive green roofs to the prism sheds, substation and entrance porches of Cyril Thatcher House.



* Retain the green roof to Richard Knight House subject to testing and compatibility with planned works.

2. Grass Swale

Rainwater which currently pools on the path will be redirected into a grassy swale.

Water will infiltrate into the grass or at times of high rainfall, pass along the swale to a storage area beneath the new food growing area.



3. Rain Garden

A new plant bed on the side of the car park will take rain water runoff, allowing water to infiltrate into the soil.

At times of high rainfall, water will pass into a storage area beneath the new trees which can overflow back into the drainage system.



4. Tree Planting

New trees in the car parks, planted in a rock based substrate, helps to manage storm water as well as being of benefit to the trees.



Project No. R0196
LIFE + Retrofitting Social Housing Landscapes
August 2014

GROUNDWORK



Environmental improvements

- 2500m² of enhanced green infrastructure
- 25% increase in permeable surfaces
- 20,000m³ of water retention capacity
- 600 trees planted
- 600m² of green roofs
- 400m² of food growing capacity
- 10 rain water harvesting systems

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Lessons learned/pitfalls to avoid

- Carefully select partners
- Detail the project deliverables
- Think carefully about the dissemination actions