

LIFE+ Climate change adaptation inc.
sustainable drainage
Green Infrastructure retrofit

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Oct15

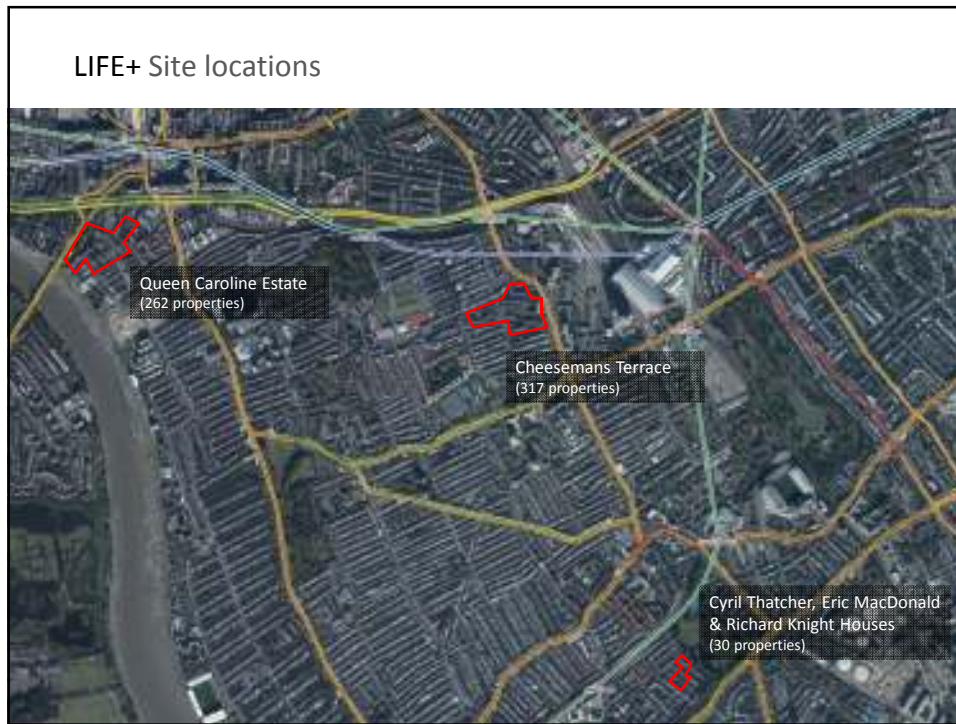


LIFE+ Climate proofing social housing landscape

Project objectives:

- Develop a transferable methodology for designing and implementing highly effective, affordable and socially acceptable, light-engineering retrofit climate change adaptation measures in social housing landscapes.
- Delivery in a way that supports the achievement of wider Green Infrastructure (GI) goals, e.g. biodiversity, air quality improvement, play provision etc.
- Implement main measures through employment programmes for long-term unemployed





LIFE+ Climate proofing social housing landscape

Survey & analysis	Design	Construction & Monitoring
<p>Advisory Group: inc. EA, GLA, LI, Nat. Housing Fed, CIRIA, LCCP, Nat. Eng.</p> <p>Supported by: </p>		

Cyril Thatcher, Eric MacDonald & Richard Knight Houses



Cyril Thatcher, Eric MacDonald & Richard Knight Houses



Site characteristics:

- Compact/organised site
- Use of space well defined
- Access & movement well defined
- Large areas of flat roof




Discussions with residents:

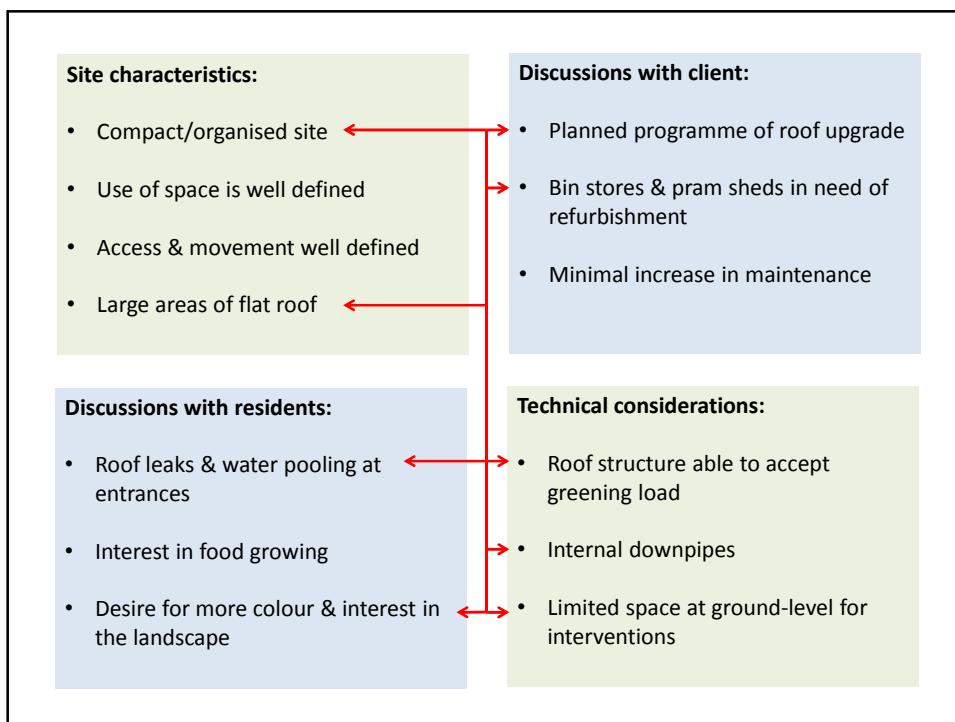
- Roof leaks & water pooling at entrances
- Interest in food growing
- Desire for more colour & interest in the landscape

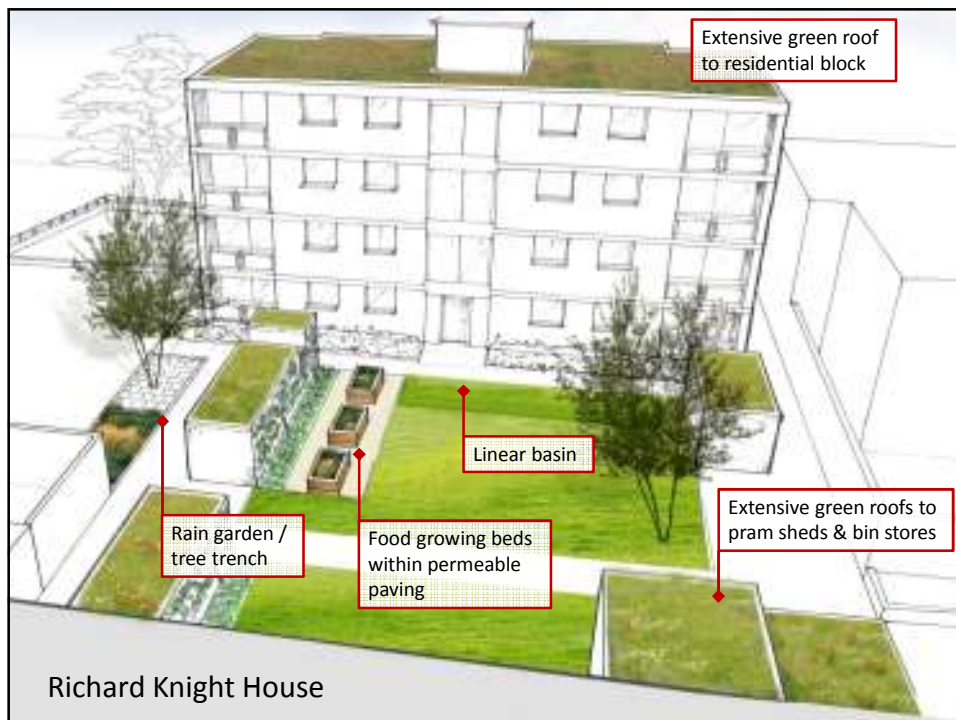
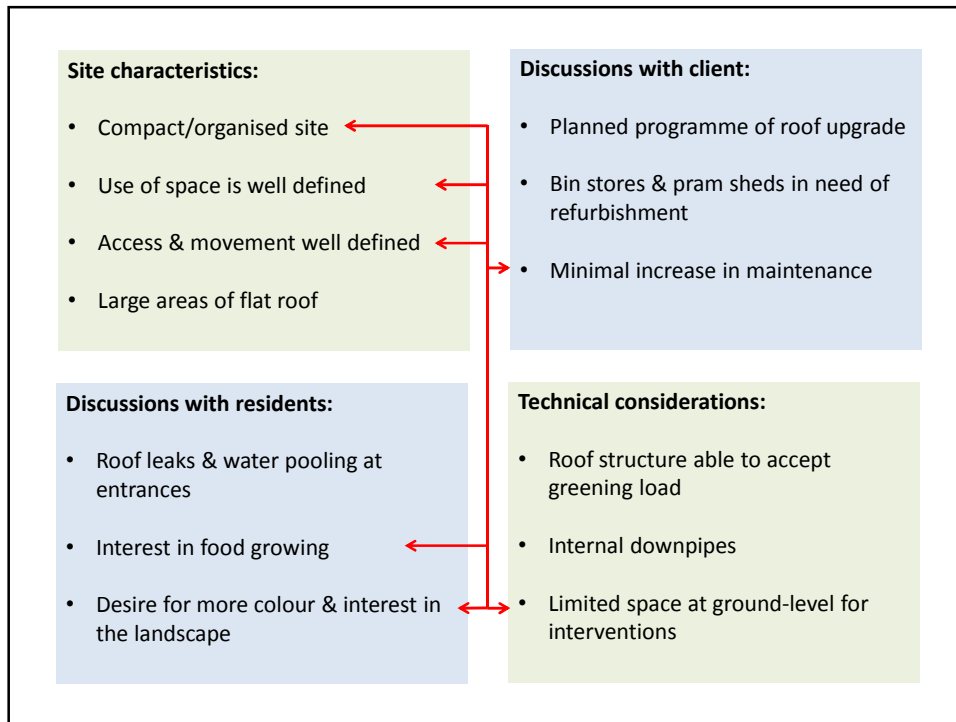


<p>Site characteristics:</p> <ul style="list-style-type: none"> • Compact/organised site • Use of space is well defined • Access & movement well defined • Large areas of flat roof 	<p>Discussions with client:</p> <ul style="list-style-type: none"> • Planned programme of roof upgrade • Bin stores & pram sheds in need of refurbishment • Minimal increase in maintenance
<p>Discussions with residents:</p> <ul style="list-style-type: none"> • Roof leaks & water pooling at entrances • Interest in food growing • Desire for more colour & interest in the landscape 	<p>Technical considerations:</p> <ul style="list-style-type: none"> • Roof structure able to accept greening load • Internal downpipes • Limited space at ground-level for interventions

LIFE+ Options ID, screening & prioritisation

The screenshot shows a spreadsheet with the following columns: 'Option ID', 'Description', 'Screening Criteria', and a grid of colored cells. The screening criteria include 'S1', 'S2', 'S3', 'S4', 'S5', 'S6', 'S7', 'S8', 'S9', 'S10', 'S11', 'S12', 'S13', 'S14', 'S15', 'S16', 'S17', 'S18', 'S19', 'S20', 'S21', 'S22', 'S23', 'S24', 'S25', 'S26', 'S27', 'S28', 'S29', 'S30'. The colored cells indicate the results of the screening process for each option against these criteria.





Queen Caroline Estate



Queen Caroline Estate





Discussions with residents:

- Active TRA
- Problems with water pooling
- Keen to expand food growing
- Desire for more colour & interest in the landscape





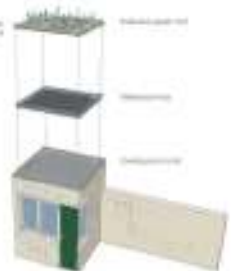



CHEESEMANS TERRACE

BUILDING GREENING DETAIL A

Due to the proximity of many of the houses and their surrounding landscape, measures could be implemented at a variety of locations to improve the water. Planning for this project will allow the number of such features that can be implemented. Some locations are for:

- 1. **Roof-top and wall-top SuDS for best growing conditions of landscape**



2. New street & garden SuDS measures with water storage

3. New garden environments opening

4. New water storage

5. New water storage


6. New water storage

7. New water storage

8. New water storage

9. New water storage

10. New water storage



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WHAT NEXT?