

A conceptual rendering of a green bridge spanning a wide river. The bridge has a wide, flat deck covered in lush green grass and trees, with a low railing. It is supported by two large, sculptural, tree-like concrete pillars that emerge from the water. In the background, a city skyline is visible across the river, featuring various buildings, including a prominent dome (St. Paul's Cathedral) and modern skyscrapers. The sky is blue with scattered white clouds. The overall scene is bright and sunny.

GI Audits & Delivering green infrastructure in our Cities and Towns

Arup – Cities Alive



Arup – Wildscreen & Pocket Habitats



Retrofit is about using the space we have more effectively

New build is about planning green infrastructure at the start - as an integral and equal component

‘Cities need green in sizes **S, M, L**
and XL otherwise the human
ecosystem is incomplete’

Arup – Green Infrastructure (GI) Audit

- Partnership with Victoria Business Improvement District
- Interviews with 50 organisations as well as reviews of ten completed GI Audits
- Determining best practice when carrying out GI Audits







ST. ERMIN'S
BEE & BEE HOTEL

ST ERMIN'S BEE & BEE HOTEL, VICTORIA LONDON



RUBENS HOTEL IN VICTORIA- LONDON'S LARGEST GREEN WALL

Arup – GI Audit, Calderbank

- Mike Batley, CSGNT
- “to discover a new rationale for the main street that provides a range of local benefits which together prioritise sustainability in all its forms”
- GI Audit
- Public consultation





Arup – Consultation

Calderbank Main Street Green Infrastructure

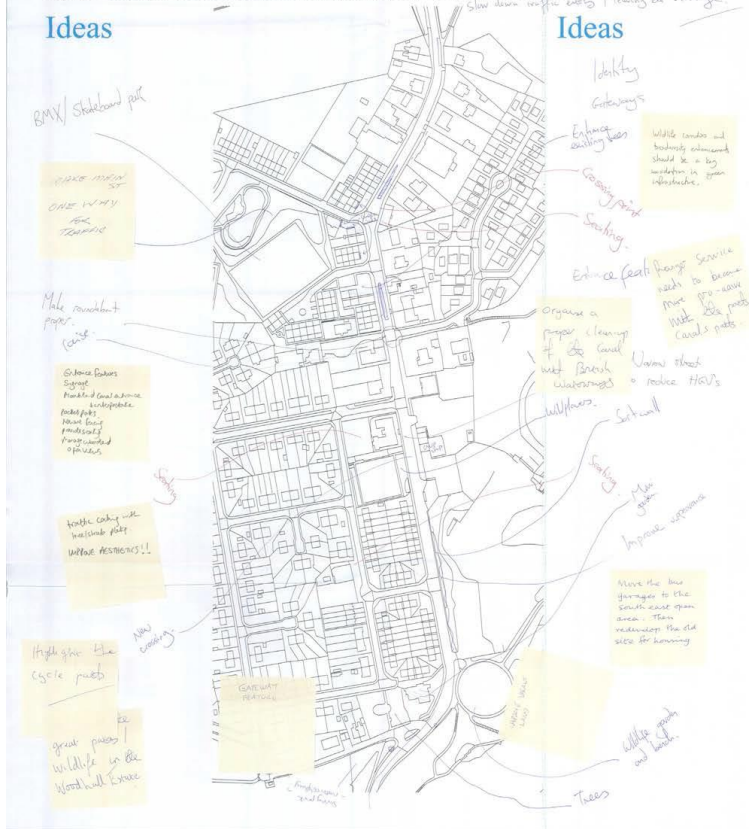


If you have any ideas for how Main Street could be improved, please mark them on the map below.

Example ideas could be: New crossing here, new trees here, less / more parking, slower traffic, better signage, cycle parking, wider pavements, improved appearance, more benches etc.

If your idea is applicable to a specific location, please draw a line to that location.

Ideas



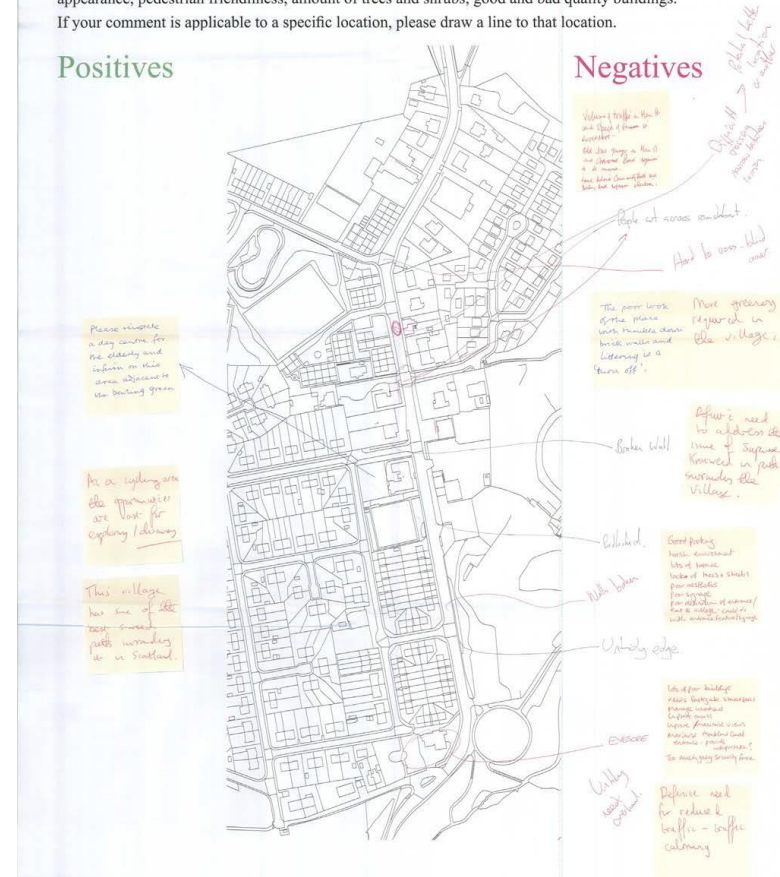
Calderbank Main Street Green Infrastructure



Please make notes below on what you think are the positives and negative of Main Street as it is today. This can be anything you think and could include ease of access, provision of parking, general appearance, pedestrian friendliness, amount of trees and shrubs, good and bad quality buildings.

If your comment is applicable to a specific location, please draw a line to that location.

Positives



Negatives

VILLAGE
ENTRANCE
- BASELINE



PROPOSAL



SIDE STREET
- BASELINE



PROPOSAL





CENTRAL
MEDIAN
- BASELINE



PROPOSAL

WALL &
PAVEMENT
- BASELINE



PROPOSAL



Arup – Cardowan SWMP

- Glasgow City Council
- “SWMP for the Cardowan Catchment”
- Garthamlock Community Growth Area
- Scottish Water sewers already at capacity





JERVISION ROAD - BASELINE



PROPOSAL

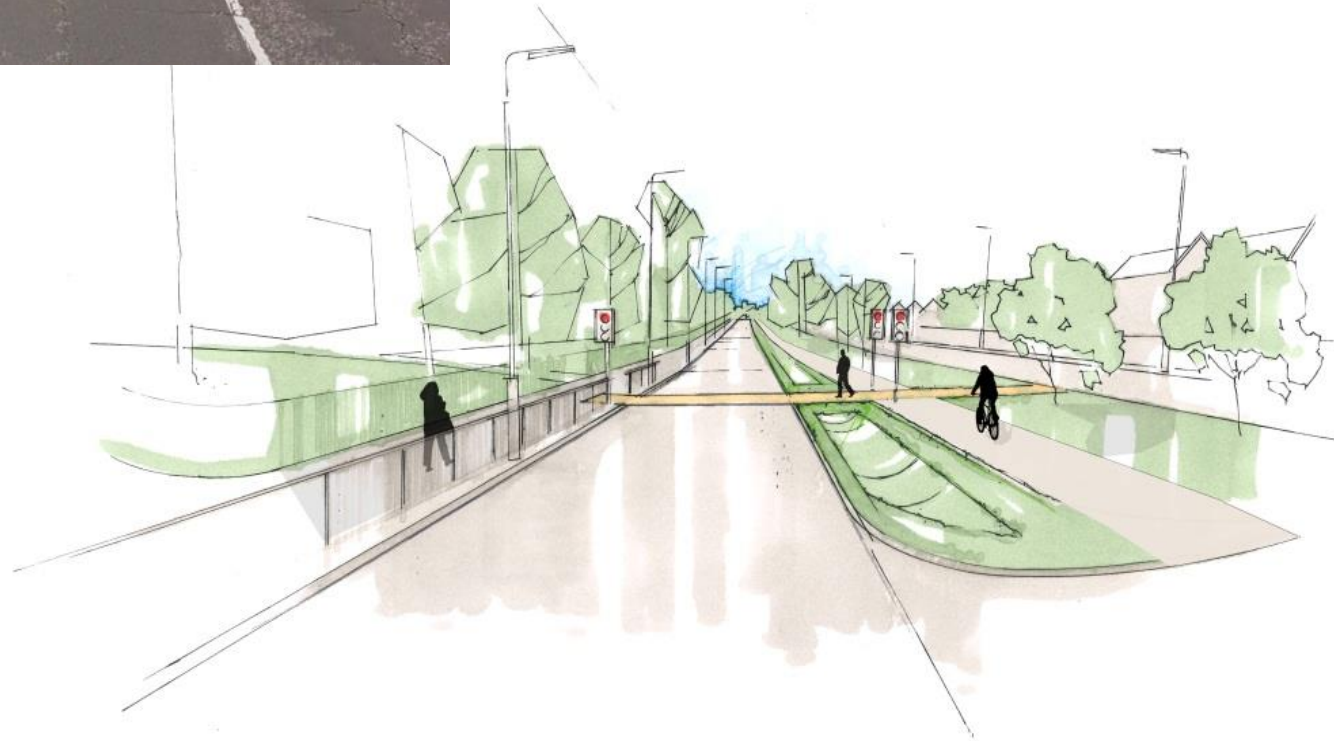
CRANHILL
PARK
- BASELINE



PONDS PROPOSAL



EDINBURGH ROAD - BASELINE



PROPOSAL

London Ecology Masterplan The Crown Estate

*'When one tugs at a single thing in nature
he finds it attached to the rest of the world'*

– John Muir, 1901





THE CROWN
ESTATE

THE CROWN ESTATE – GREEN LINK - REGENTS PARK TO ST JAMES PARK

Timeline

50 year+ vision

Wide stakeholder consultation to guide Masterplan production

Review of existing buildings and opportunities for retrofit

Early involvement in building design process for all new developments

Baseline habitat and species surveys across whole Estate

Repeat every 2-10 years depending on species

Individual monitoring programs for all green infrastructure



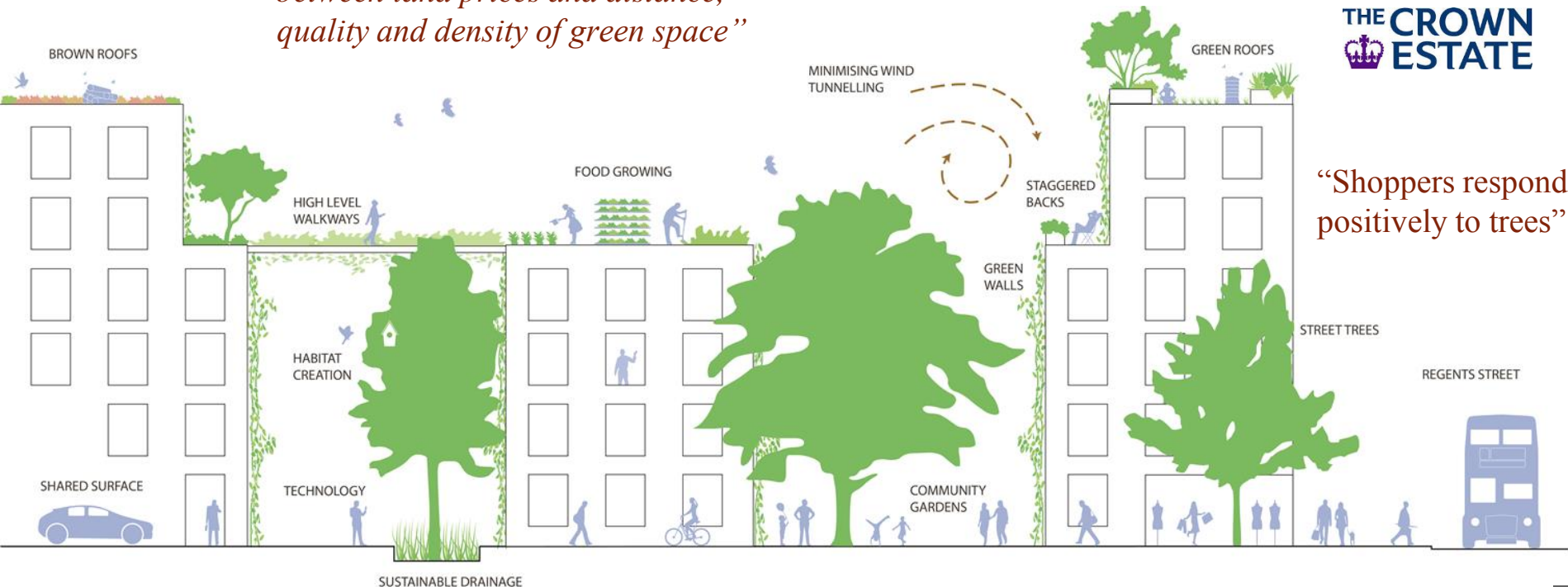
“There is increasing evidence that nature in the urban environment is good for both physical and mental health”

“Tree canopy helps create a sense of place”

“Trees can also enhance traffic calming measures”

“Good quality public environment can improve trading”

“A significant correlation was found between land prices and distance, quality and density of green space”



“Shoppers respond positively to trees”

“Visitors judge districts with trees as more pleasant”

“Desk workers who have a view of nature report better job productivity”

“Trees and parks can reduce local air temperature by 0.5-5°C”

Implementation



Public Participation



Walking app



Live webcams



Public website



Tenant gardening clubs



Bird watching tours

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Any Questions?