



“Building better and beautiful”

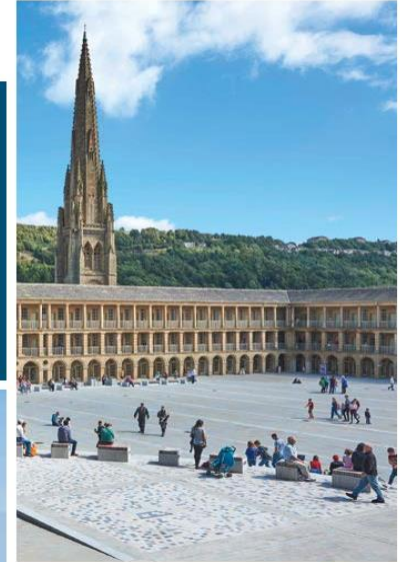
16th May 2023

What is beauty?

- Building homes to a higher environmental standard
- Bio-diversity Net Gain
- Using Design Codes to deliver better designed places

Living
with
Beauty

*Promoting health, well-being
and sustainable growth*



The report of the
Building Better,
Building Beautiful
Commission

JANUARY 2020

Improving Environmental Performance

- Strong Corporate Commitment
- Land-led development – build to a minimum of SAP A
- Develop a Land Management Plan that sets out key biodiversity aims for green spaces on new developments
- Cootes Lane, Fen Drayton – trial site



SUSTAINABILITY
REPORT 2022



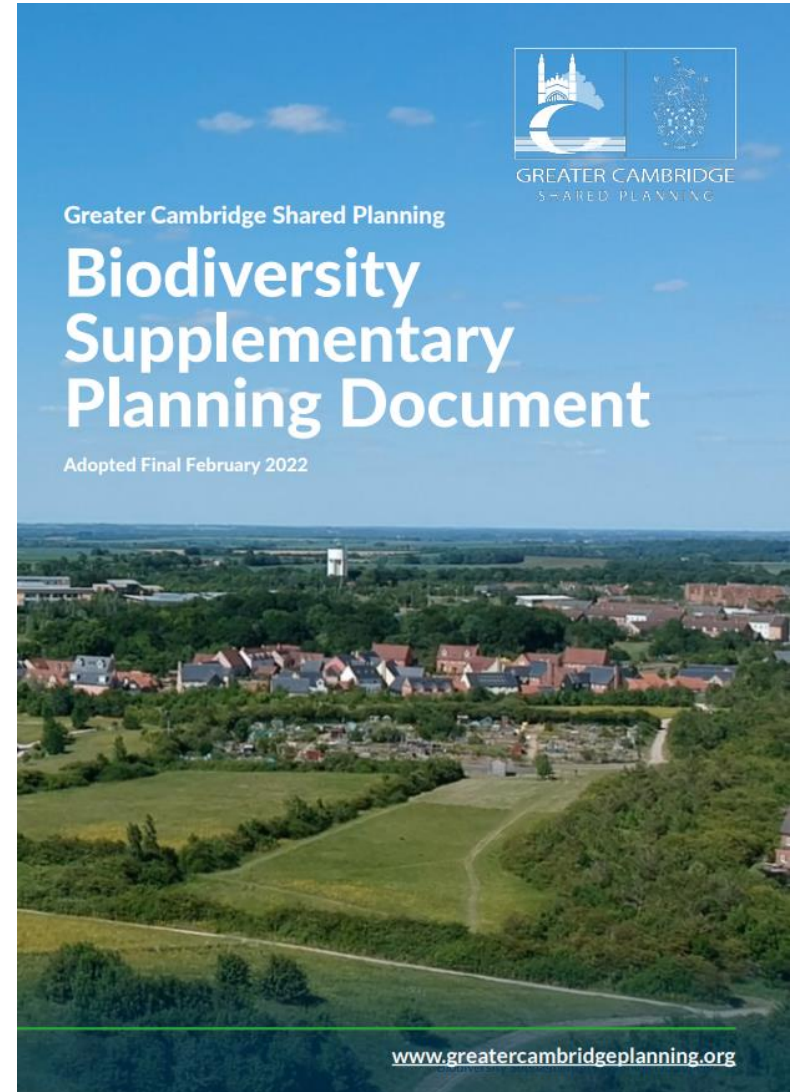
Cootes Lane, Fen Drayton

- ◆ 14 new homes
- ◆ Rural Exception Site between Cambridge and Huntingdon
- ◆ Mix of one, two and three bedroom homes
- ◆ 11 Affordable Rent and 3 Shared Ownership



What we have to do

- prepare a Construction Ecological Management Plan/Ecological Clerk of Works
- prepare a scheme of biodiversity enhancement
- minimum of 10% carbon emissions to be reduced through the use of on-site renewable energy and low carbon technologies



What we are looking to do



- Meet the bpha aspiration for improved Environmental Standards to deliver properties with SAP A rating
- Build beyond Building Regulations
- Understand how the customer uses the technology
- Deliver Biodiversity Net Gain in line with the forthcoming Environment Act and local aspirations



Department for Levelling Up,
Housing & Communities

The Future Buildings Standard: 2021
Consultation on changes to Part L
(conservation of fuel and power) and Part F
(ventilation) of the Building Regulations for
non-domestic buildings and dwellings; and
overheating in new residential buildings

Summary of responses received and Government response

Energy Performance

- Work with contractors to look at options for delivering a “SAP A” rated development
- Improvements to the building fabric “Fabric First”
- Renewable Technologies – Air Source Heat Pumps, Photo Voltaic Panels
- Role of MMC – modular approach



Biodiversity Net Gain

- Increase understanding in advance of the Environment Act implementation – 10% net gain from Nov 2023 Greater Cambridge seeking 20%
- Native planting/Community Orchard
- Integrated bat and bird boxes/Hedgehog connectivity measures
- Undertaken scoring against the DEFRA metric to influence planting choices

New homes for swifts – the Manthorpe swift brick

Manthorpe Building Products [@ManthorpeBP](#)

Tuesday 3 September 2019



Community orchard



Role of Design Codes

- Control Design Quality – Strategic Sites
- Challenges how do they respond to new building methods ?
- Responding to new technologies – Air Source Heat Pumps – flexibility required ?
- Climate adaptability – flexibility required on planting choice

DESIGN CODE

Marston Road
Lidlington
MK43 0RY

Avebury
Architects



Lessons Learnt

- Changes required in order to deliver SAP A properties
- Costs associated with delivering SAP properties
- New site – Biodiversity Net Gain assessed early in the land acquisition process
- Link between Landscape Design and Biodiversity Net Gain
- Ongoing maintenance of open space
- Design codes that maintain Design Quality are good but flexibility required to respond to new technologies and changing climate

