

sustainability

sustainability assessment

We have completed a sustainability assessment for the development, which is largely based on the CODE Sustainable Checklist and the BREEAM Sustainable Design Checklist.

In this regard the aim is to consider the project as a whole, in its context, with a view to ensuring it will be a positive addition to our built environment now, and for future generations.

Energy and CO₂

Aim: To conserve energy, in particular carbon dioxide emissions and maximise the use of energy efficiency techniques.

- ▶ solar space heating and natural lighting maximised through glazing position
- ▶ adequate space for insulation to prevent unnecessary heat loss
- ▶ energy efficient gas-powered boiler
- ▶ A-rated appliances to be recommended

Water

Aim: To improve efficiency in the use of water, conserve water resources and minimise vulnerability to flooding.

- ▶ no substantial ground works reducing risk of floodwater diversion
- ▶ water saving sanitary ware – low flow taps and showers and low flush toilets

Materials

Aim: To retain local character and promote the use of materials with a low environmental impact.

- ▶ materials to help retain local character
- ▶ ensure long life
- ▶ development adds to local character positively
- ▶ standard building products in ample supply ensure low transportation burden and availability from local sources

Waste

Aim: To minimise the production of waste and maximise re-use and recycling.

- ▶ contractor to manage waste responsibly including separating waste during construction
- ▶ waste and recycling bins to be integrated into council network reducing burden on transport
- ▶ garden provided includes space where user is able to compost household waste

Pollution

Aim: To minimise damage to the environment through air, surface water, land, noise or light pollution.

- ▶ development has been situated to reduce unwanted communication between proposal and surrounding house, including spread of noise and light
- ▶ A-rated appliances will reduce reliance on harmful refrigerants
- ▶ no harmful materials are required for the construction or maintenance of the building
- ▶ development is outside flood risk areas, reducing likelihood of contaminants from flooded surface water

Health and Well-Being

Aim: To improve the quality of life in homes through good daylighting, improved sound insulation, provision of outdoor space with good accessibility.

- ▶ private outdoor space and external views
- ▶ adequate and appropriate lighting
- ▶ sufficient daylight
- ▶ ventilation & air quality
- ▶ the needs of future occupants
- ▶ private garden area offers opportunity for range of healthy activities
- ▶ large areas of glazing provide views out and connection to garden
- ▶ level access allows flexibility of user and provides for less ambulant

Management

Aim: To manage the site in an environmentally and socially considerate manner.

- ▶ environmentally and socially responsible contractor can dramatically reduce the impact of a project on the environment and community
- ▶ clear Operation & Maintenance manuals given at project completion allows non-technical users to understand the technologies and their efficient use

Ecology

Aim: To retain, protect and enhance wildlife habitats and natural features.

- ▶ no substantial trees felled or cut back
- ▶ substantial planting proposed with the development

Transport

Aim: To reduce the need to travel through appropriately located development.

- ▶ proposal sits in walking and cycling distance of many facilities
- ▶ cycle storage is provided in a secure shed
- ▶ local public transport includes bus routes and railway station

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