1 New Laithe Close, SKIPTON

Sustainable Design and Construction Statement
PP-12314061

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SUSTAINABLE DESIGN & CONSTRUCTION STATEMENT.

DEVELOPMENT OF 1 NEW LAITHE CLOSE, SKIPTON.

Development proposals

(See current drawings; NLC-002 - 003)

Summary of requirements:

1. Waste and recycling – minimising the production of waste and maximising re-use and recycling.
2. Construction and demolition – maximising the recycling and re-use of demolition waste and minimising use of primary materials.
3. Flood risk – minimising vulnerability to flooding.
4. Development ratings – meeting the required Code for Sustainable homes and BREEAM standards.
5. Materials – retaining local character and promoting the use of materials with a low environmental impact.
6. Energy – Using less energy, supplying energy efficiently and using renewable energy.
7. Water – improving efficiency in the use of water and conserving water resources.
8. Pollution – minimising damage to the environment through air, ground / surface water, land or noise pollution.
9. Biodiversity – retaining, protecting and enhancing wildlife habitats, natural features and green space.
10. Secure design – incorporating designs and layouts aimed at reducing crime, fear of crime and antisocial behaviour.

1. *Waste and recycling*
– minimising the production of waste and maximising re-use and recycling.

Any waste that is not required will be disposed of in the correct manor by either the clients existing recycling bins provided by CDC or it will be taken to a local waste recycling centre.

2. *Construction and demolition*
– maximising the recycling and re-use of demolition waste and minimising use of primary materials.

All stones removed to form the Bi-fold doors will be used to form the lower wall beneath new windows. The use of locally sourced sand for mortar used within the construction of the building's structural envelope and locally sourced stone implements the good practice of using local materials to provide a dwelling that not only fits in to its surroundings but reduces emissions associated with delivery of the primary materials to site.

3. *Flood risk*
– minimising vulnerability to flooding.
The site is not within a flood risk zone. Surface water will remain connected to existing combined sewers on the property when not collected for garden maintenance.

4.Development ratings
– meeting the required Code for Sustainable homes and BREEAM standards
Please see below (5.)

5. Materials
-retaining local character and promoting the use of materials with a low environmental impact.

The development is to use materials to match the existing house where possible to be in keeping with this traditional development. These are to be sourced locally to minimise the impact on the environment

6. Energy
– Using less energy, supplying energy efficiently and using renewable energy.

The roof lights will provide better natural light and ventilation into the attic spaces. New solar panels on the existing roof will provide a renewable energy source. The removal of the existing conservatory will provide better natural light to the kitchen and dining room. Low-energy light and electrical fittings will be specified such as an LED lighting system where necessary. These are considered more environmentally friendly when compared to incandescent bulbs and compact florescent lights, consuming less power per unit, and in turn reducing greenhouse emissions from power plants.

7. Water – improving efficiency in the use of water and conserving water resources.
As above where possible surface water will be collected for use in the garden. Internally all water fixtures within will be specified to ensure sustainable water consumption for the future of the property.

8. Pollution
- minimising damage to the environment through air, ground / surface water, land or noise pollution.

To reduce air pollution no waste materials will be burnt on site.
All drains will be covered to prevent and water pollution. All waste water will be collected where possible.

9. Biodiversity
- retaining, protecting and enhancing wildlife habitats, natural features and green space.

Building work will be completed in a sensible and conservative manor so as to limit the disturbance of any current wildlife. A new garden kitchen will provide a new habitat for wildlife as well as providing a pleasant green space.

10. Secure Design
– incorporating designs and layouts aimed at reducing crime, fear of crime and antisocial behaviour.

All new windows and doors will be fitted with locks that meet with the British Standards publication PAS 24:2012 or greater.

Conclusion.

For the aforementioned reasons appropriate climate change mitigation measures can be incorporated into the proposed development.