

HILLSIDE, NORLEYWOOD ROAD, EAST END

Proposed First Floor Extension, replacement dormer window and roofs including new insulation.

Sustainability Statement

April 2021

1. Efficient use of land, buildings and natural resources including site layout and building design

Location of the development and site layout are as existing

The building is existing and the extension is designed to match

The design as a chalet bungalow is to be retained / continued in order to minimise the use of new materials.

2. Energy Hierarchy

The existing roof is poorly insulated and badly ventilated. The primary driver for reroofing is to improve ventilation and insulation, taking the opportunity to replace old deteriorating tiles with lighter, clay ones and as a bonus improving the existing main bedroom to allow better headroom and more storage and a better outlook.

The proposed gable end extension will be insulated to a high standard and additional cladding on the rear wall will also allow for extra and additional insulation.

Natural clay tiles and timber are proposed for the external materials thus avoiding the use of 'artificial' materials e.g. plastics, concrete, etc.

3. Flood Risk

There is no known flood risk at the site

4. Carbon Reduction

See 2 above .

Improved energy efficiency of the building will lead to a reduction in heating requirements and the consumption of fuels

5. Water Efficiency

No new plumbing is proposed

Surface / rainwater will be taken to existing drains via existing or replacement drain pipes