

## ***Sustainability Statement***

### **3 Burford Road, Cheltenham, GL52 5GL**

8<sup>th</sup> March 2024

#### Introduction

3 Burford Road is in the Battledown area of Cheltenham, within Cheltenham Borough Council.

The property is a 3-storey semi-detached house originally constructed in the early 2000s.

The original house is a cavity wall construction.

There is limited opportunity to greatly impact the thermal efficiency of the existing building. However, the following key measures have been considered:

#### Key Measures

##### **Building Fabric Design and Detailing**

Insulation is a key part of sustainability. It serves to conserve energy by minimising the escape of heat from the building.

Heat loss is a principal issue in this dwelling. The new extension will comply fully with up-to-date building regulations which will ensure a very high standard of thermal insulation. The addition of the proposed extension will greatly improve the overall thermal efficiency of the property.

In addition to the structure, all new windows and doors will meet current u-value requirements along with draft proofing and airtightness.

The existing property is served by a modern boiler which is efficient and uses low carbon to heat the dwelling. With the added thermal efficiency of the extension, it is expected that less heat will need to be generated to provide the required warmth for the dwelling.

There is the opportunity to install a rainwater butt at the rear of the new extension to provide water to irrigate the garden.

##### **Transport and Travel**

The property is situated close to a main bus route into the centre of Cheltenham.

##### **Ecology and Biodiversity**

Although the extension will remove part of the existing soft landscaping, there will remain an ample area for lawns, plants, and a wild bee-friendly area.

##### **Recycling**

The household recycles all waste in accordance with Cheltenham Borough Council's recommendations.