



CONSTRUCTION & CONSULTING DESIGN SERVICES

3 Balliol Way, Owlsmoor, Sandhurst, Berkshire GU47 0UN

4 PILGRIMS LANE, LONDON NW3 1SL

Energy Use, Sustainability and Biodiversity Gain

CO2 Reduction

A reduction in CO2 emissions will be tackled in the following manner:

The existing main roof is currently insulated with single layer quilt and is therefore performing very poorly.

The new roof construction will meet current standards of 0.16 W/m2K. This will also include the upgrading of the existing front roof slope.

Other internal alterations such as bathrooms, lighting ETC, although not necessarily a planning matter, will be upgraded where being replaced and altered to modern requirements.

INSULATION VALUES (U-Value W/m2K)			
EXISTING ESTIMATED		PROPOSED DESIGNED	
WALLS:	2.4	WALLS:	0.16
WINDOWS:	2.8	WINDOWS:	1.4
ROOF:	1.6	ROOF:	0.16

All lighting to be LED.

Water Saving

The property is fitted with a water meter.

All sanitary ware to be selected from ranges designed to reduce water usage such as water saving pans and flushing devices.

Re-Use/Recycling

In accordance with current recommendations/policies, it is proposed to recycle as much of the demolition material as possible.

Waste material removed from the existing structure is to be sorted and recycled using licenced collectors.

Biodiversity Impact

The biodiversity gain planning condition does not apply in relation to planning permission for development as the development does not impact an onsite priority habitat, is less than 25 sq m of onsite habitat and is less than 5m in length of onsite linear habitat.