

**TOWN AND COUNTRY PLANNING ACT 2020  
(AS AMENDED)**

**Design and Access Statement**

**To support a planning application for  
Double Storey side and single storey rear extension at**

**37 Abbey Close,  
Hayes,  
Middx,  
UB3 3PJ**

## **Introduction**

This application relates to double storey side and single storey rear extension, at 37 Abbey Close, Hayes, UB3 3PJ. This Design and Access Statement forms one of the supporting documents for the detailed planning application and should be read in conjunction with the proposed plans.

Planning was granted in 2004, for a double storey side extension.

## **Layout**

The site, 37 Abbey Close, Hayes, UB3 3PJ is located within a residential area, the residential properties consisting of semi-detached and terraced properties. The property is located on 37 Abbey Close, junction with Abbotwood Way with easy access to public transport and road links.

The properties along 37 Abbey Close and adjoining streets are on average size plots. All the properties on the street are of standard brick construction and tiled pitched roof.

A number of properties have been extended, with substantial double storey side and rear extensions.

## **Scale and Sitting**

The Property is semi-detached house, with a large side and rear garden with garage at the rear of property. The ground fairly level from the back garden towards the front garden.

The property is West facing with access off Abbey Close to the front garden. The property is divided by wooden panel fencing and brick wall fencing to the neighbouring properties.

## **Appearance**

The property known as 37 Abbey Close and adjoining properties are all of a standard brick construction and pitched tiled roof, with own drives and ample parking space to the side and rear. They vary in external appearance from tiles to brick facing.

The existing external walls are 300 thick cavity walls and the roofing tiles are plain Redland tiles on rafters.

## **Sustainability**

One of the primary aims of the proposed development is to be one of the more sustainable buildings in the area. The use of high quality energy efficient materials and products is the most important factor.

- The fenestration will be detailed to reduce the loss of energy.

- The external fabric of the building envelope will surpass the appropriate U-value in step with the Part L of the Building Regulations designed to reduce Carbon Emissions.
- Condensing Boilers with low N<sub>2</sub>O (Nitrous Oxide) emission rates will be specified.
- Low energy AAA rated appliances will be specified and installed.
- Low flush/ dual flush WC cisterns and spray taps will be specified.
- Water Butts will harvest rainwater for use in washing cars and watering plants etc.
- Low energy lighting fittings are proposed to be fitted throughout.
- Certified timber will be used.

## **Design**

- A new extension is proposed on the land at the side of No. 37 Abbey Close
- The extended property will provide private bedrooms and open living area for the extended family.
- The ground floor of the property will encompass; the kitchen, living/dining and the hall area housing the staircase leading to the first floor.
- The new extended house will have tiled pitched roof and facing brick walls all to match existing.
- The elevations represent a well balanced composition of form and proportion with an adequate palette of materials appropriate for the building use and location.
- The proposed building is keeping with the character of the street.
- The design reflects and improves the site and its surroundings and serves to create a sense of character.

## **Energy Efficiencies**

- Lighting- Throughout the scheme natural lighting will be optimised. Approved Document L1A requires three in four light fittings (75%) to be dedicated low energy fittings. The development will exceed this and all light fittings will be of a dedicated energy efficient type.

- Boiler Space heating and hot water demand will be provided to the residential units by natural gas fired combination boilers. The SAPs have been modelled on using an Ideal Logic Code boiler with an efficiency of 89.00%.

### **Air Leaks**

- The Building Regulations set a minimum standard for air permeability of 10 m<sup>3</sup> of air per hour per m<sup>2</sup> of envelope area, at 50Pa. Air tightness standards at this site will be constructed to the 'Accredited Construction Details' as compiled by Department of Communities and Local Government (DCLG). These will average a 50% improvement over Building Regulations and will achieve a permeability of 5.0 m<sup>3</sup>/hr/m<sup>2</sup>.

### **Access**

The proposed house access will remain the same and from Abbey Close to the front and side.

There are bus stops within outside the property, with buses going to adjoining towns.

### **Pedestrian**

The main pedestrian access will be via Abbey Close.

### **Landscaping**

The landscaped front garden will be retained as existing and the rear will be laid in lawn with edge plantation.

## **Appendix A**

### **SuDS**

The British Geology Survey indicates that the underlying bedrock below the site and surrounding area consists of London Clay Formation. London Clay Formation consists of clay, silt and sand. Sedimentary Bedrock formed approximately 34 to 56 million years ago in the Palaeogene Period.

- Permeable paving will be provided on hard standing areas.
- 2Nos Rain water collection butts will be provided refer photo below
- Soakway will be constructed to take overflow from rainwater butts