



www.creationdesign-wales.com

Room 229 - The Innovation Centre,
Festival Drive,
Victoria Business Park,
Ebbw Vale,
NP23 8XA

- 01495 616277
 - 07508890294
 - info@creationdesign-wales.com
-

Project Ref: 25/094

20th August 2025

Green Infrastructure Statement & Bio-diversity Enhancement

Proposed House Extension & Alterations 174 Cardiff Road, Newport. NP20 3AE



Photo 1 – Aerial photo with site outline in red



Photo 2 – The concreted area where extension is to be constructed



Photo 3 – The front paved parking area



Photo 4 – The rear garden to be maintained

1.0 Building Work:

- The demolition of garage and erection of proposed two storey side and rear house extension

2.0 Introduction

Green infrastructure plays a crucial role in enhancing the quality of life for residents and visitors. It contributes to biodiversity, climate resilience, and overall well-being. This statement outlines how the proposed change of use aligns with green infrastructure principles.

3.0 Existing Green Features

Existing Vegetation:

- There are areas of lawn to the rear of the property which will not be affected by the proposed house extension. (Refer to existing and proposed site plans, Drawings 25-094/P/01 and 25-094/P/09)

4.0 Proposed scope of works forming this planning application

- There will be no areas containing green infrastructure affected by the works on this planning application as the work takes place on area of existing concreted area and on the footprint of existing garage to be demolished. (Refer to Photo 2 above)

5.1 Enhancing Biodiversity:

- Maintain and protect existing vegetation in rear garden (Refer to photo 4)
- Lay grassed area as shown on drawing 25-094/P/09.
- Install bat / bird boxes and insect habitats to encourage wildlife.

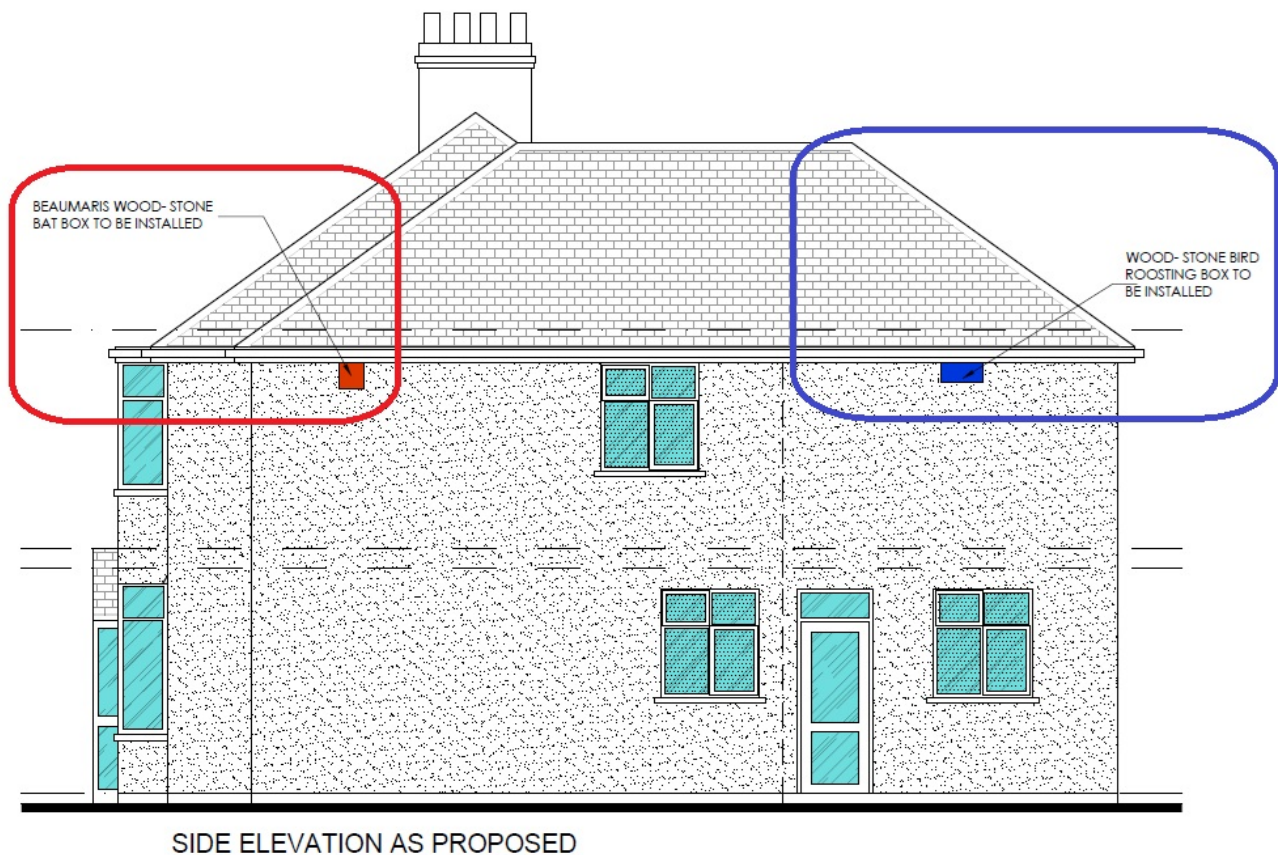


Fig 1 - Proposed side elevation showing positions of Bat and Bird boxes

5.2 Enhancement Features for Bats

- In line with the National Planning Policy Framework, the development should aim to enhance the site for bats.
- 1No. Beaumaris Bat Box. Size MAXI: 380 x 500 x 70; 280 x 390 x 25 (Inner)
- Woodstone bat box ideal for crevice dwelling species. Choice of two sizes.
- The box should be installed to provide roosting habitat for species such as common pipistrelle, Nathusius's pipistrelle, Soprano pipistrelle and Serotine bats.
- In general, bats seek warm places and for this reason boxes should be located where they will receive full/partial sun, although installing boxes in a variety of orientations will provide a range of climatic conditions. Position boxes at least 3m above ground to prevent disturbance from people and/or predators.
- Bat boxes should be fitted as high as possible (>3m) (Refer to proposed elevations drawings)



- Rough interior to provide lots of grip
- Good thermal insulation
- Painted black to best absorb the sun's heat, which is important as bats need to increase their body temperature before they emerge in the evening
- Suitable for wall mounting

5.3 Enhancement Features for Birds

1. 1No. Bird Box are to be installed at high level on the property (Refer to proposed elevations drawings)
2. Bird boxes should be fitted between 2m-4m high, on a north or east facing elevation to avoid direct sunlight.



Sparrow Terrace Bird Box



Large Bird Nest Box

*Many other makes and designs are available across the country.

6.0 Conclusion

This green infrastructure statement demonstrates our commitment to sustainable development and the well-being of the natural environment.

Further Reading

1 naturalresourceswales.gov.uk2 gov.wales3 gov.wales4 gov.wales