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Project Ref: 25/062

27TH September 2025

Green Infrastructure Statement & Bio-diversity Enhancement

Single Storey Side House Extensions 1 Sol Invictus Place. Ponthir Road, Caerleon. NP18 3PF



Photo 1 – Aerial photo with site outline in red



Photo 2 – The front of the property

1.0 Building Work:

- The proposed single storey side house extensions

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 is an area of lawn to the rear of the property which will not be affected by the proposed house extensions.

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 the previous hardstanding area (Refer to Photos 1 & 2 above)

5.1 Enhancing Biodiversity:

- Maintain and protect existing vegetation.
- Install bat / bird boxes and insect habitats to encourage wildlife.

5.2 Enhancement Features for Bats

- In line with the National Planning Policy Framework, the development should aim to enhance the site for bats.
- 1 No. 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

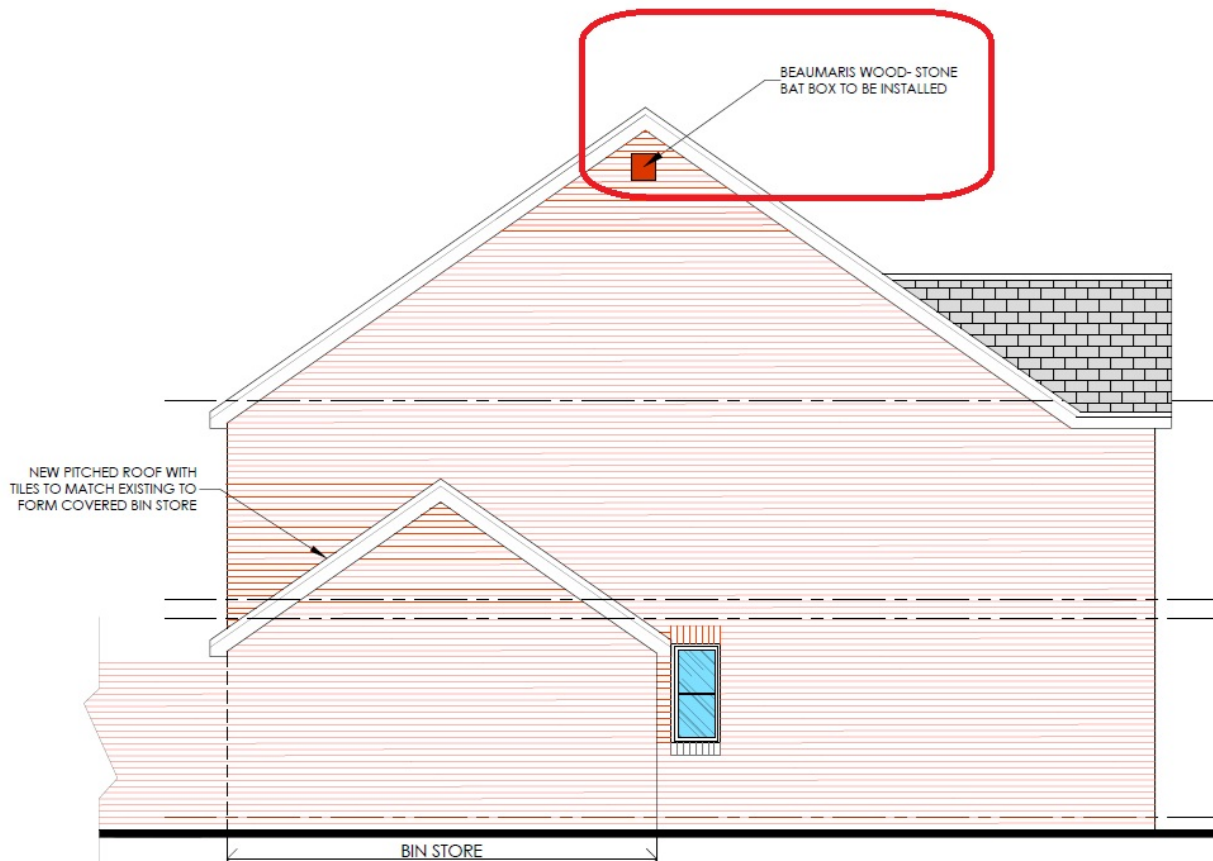


Fig 1 – Location of Bat Box

5.3 Enhancement Features for Birds

1. 1 No. 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.

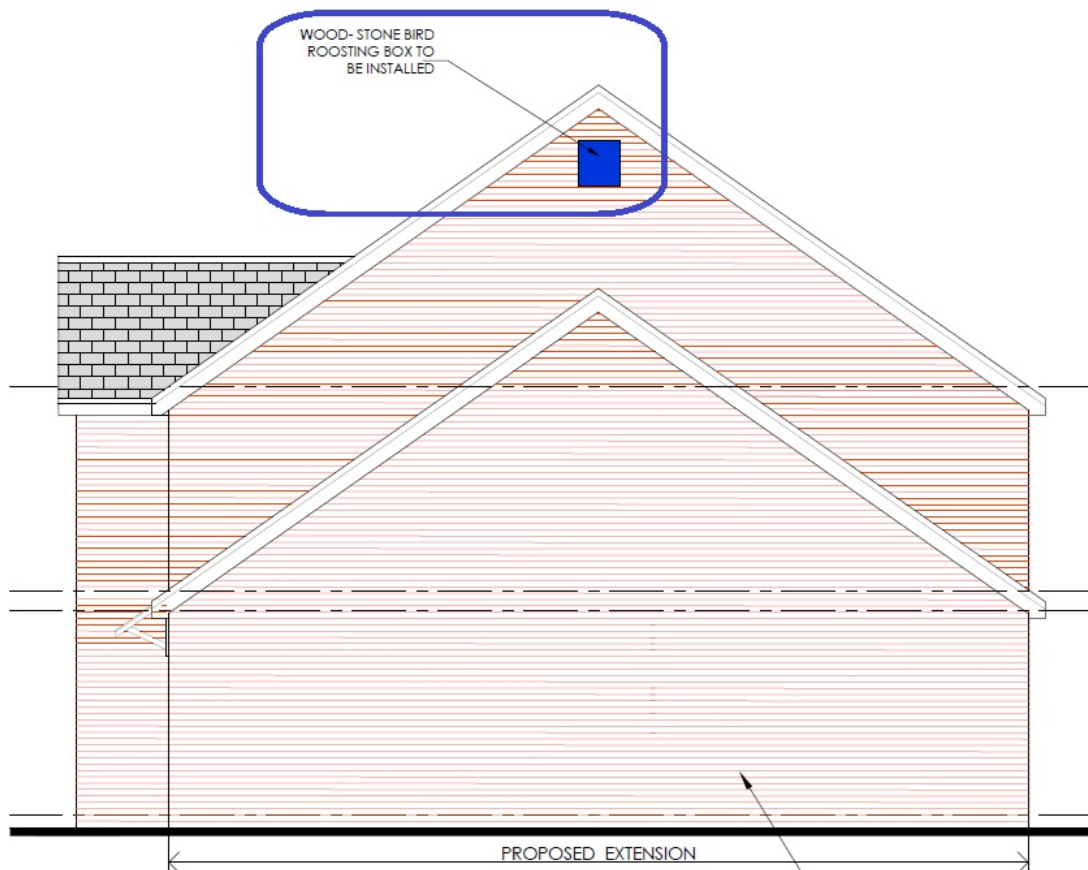


Fig 2 – Location of Bird Roosting Box



Sparrow Terrace Bird Box



Large Bird Nest Box

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.uk gov.wales3 gov.wales4 gov.wales