GREEN INFRASTRUCTURE STATEMENT

Application Site: 4 Nant-y-Moor Close, Marshfield, Newport, NP10 8HH

Proposal: Ground Floor Extensions, Loft Conversion with Rear Dormer, and Ancillary Buildings

Site Context

The application property is a detached two-storey dwelling situated within an established residential area of Marshfield, Newport. The front of the property comprises hardstanding used for vehicle parking, which will remain unaltered as part of the proposal.

The rear garden is substantial in size and consists of lawn, patio areas, and mature boundary vegetation. This existing planting contributes positively to visual amenity, provides natural screening, and supports local biodiversity. The site therefore benefits from a strong proportion of soft landscaping and established green infrastructure.

Proposal

The proposed extensions and ancillary structures have been designed to make effective use of the large rear garden. Openings from the new accommodation will orient towards the garden to maintain visual connection with outdoor space.

All existing trees are to be retained. Additional planting is proposed, including new trees and shrubs along the north-east boundary, to enhance biodiversity and provide additional screening between neighbouring properties.

The retained garden will continue to provide the majority of the site's ecological and amenity value.

Green Infrastructure and Biodiversity Enhancements

The development has been carefully designed to protect the site's existing green infrastructure while delivering measurable biodiversity benefits, in accordance *with Planning Policy Wales (PPW) Edition 11, Chapter 6*. Specific measures include:

Tree and Shrub Planting

- Planting of a **Crab Apple** (*Malus sylvestris*) and **Juniper** (*Juniperus communis*) within the rear garden, contributing to pollinator support and improved microclimatic conditions.

- Additional tree and shrub such as ***Eucalyptus gunnii and Arbutus unedo*** planting along the north-east boundary to reinforce privacy screening and increase habitat diversity.

Retention of Green Space

- The existing rear garden, including lawn and established planting, will be fully retained, ensuring the continued presence of soft landscaping within the site.

Habitat Creation

- Installation of **bird** and **bat boxes** to promote nesting and roosting opportunities for local wildlife.

Lighting Strategy

- No external lighting is proposed. This ensures that nocturnal wildlife, including bats, will not be affected by additional light spill.

Design Integration

The proposed extension will be finished in materials to match the host dwelling, ensuring the new development blends with the existing property while avoiding any negative impact on the established character of the street scene.

Conclusion

The scheme has been carefully designed to protect existing green infrastructure while providing measurable biodiversity enhancements. By retaining the rear garden, introducing new fruit trees, and installing bird and bat boxes, the proposal supports the objectives of PPW Chapter 6 (sections 6.2.11 and 6.2.12), which emphasise the importance of integrating biodiversity and ecosystem resilience into development.

Accordingly, the proposed development is considered to have no adverse environmental effects and will contribute positively to the local ecosystem.