

GREEN INFRASTRUCTURE STATEMENT

Proposal: Conservatory Extension

Site Address: 5 Lily Way, Rogerstone, NP10 9LG

Site Context

The application site comprises a two-storey detached dwelling located on Lily Way, Rogerstone.

The front forecourt contains a sloping garden with mature trees and shrubs, all of which will remain unaltered as part of the proposal.

The rear garden comprises a combination of paved walkways, planting beds, and existing trees. These features will largely remain unchanged. The proposed conservatory will provide additional internal planting opportunities, contributing positively to the site's overall green infrastructure and biodiversity value.

All existing landscape features, including trees and shrubs, will be retained within the site.

Proposal

The proposed development comprises a single-storey conservatory extension to the southern side of the existing dwelling. Openings from the conservatory are orientated towards the applicant's rear and side garden areas, maintaining a strong visual and functional relationship with the surrounding outdoor space.

The proposal incorporates biodiversity enhancement measures in accordance with national and local planning policy objectives

Green Infrastructure and Biodiversity Enhancements

The scheme has been designed in accordance with **Planning Policy Wales (PPW), Edition 11, Chapter 6**, which requires development to maintain and enhance biodiversity and promote ecosystem resilience.

The following measures are proposed:

Habitat Creation

- Installation of integrated bird boxes and bat boxes on the north-east and south elevations of the dwelling to provide nesting and roosting opportunities for urban wildlife.

Tree Planting

- Planting of one crab apple tree and one pear tree within the rear garden.
- These species have been selected for their biodiversity value, including blossom for pollinators and fruit for birds.
- The planting will enhance urban greening, contribute to local habitat networks, and improve the microclimate within the garden.

Lighting Strategy

- No additional external lighting is proposed.
- This will avoid disturbance to nocturnal species, particularly bats, and ensure no adverse light spill beyond the site boundary.

Design Integration

The biodiversity enhancements are sensitively integrated within the site and do not alter 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 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.