

Appendix 1: Green Infrastructure Statement and Net Biodiversity Benefit

Form completed by:	Luke Jones
Date:	14.05.2024
Address of site:	Land Adjacent Marford Gate, Gresford
Grid reference:	SJ357551
Description of Proposal:	Erection of 2no. Dwellings

1. Details of all existing green infrastructure on site and approximate size:

Boundary 1:	<i>Leyland Cypress Hedge</i>
Boundary 2:	<i>Privat Hedge and 2no. Pine Trees</i>
Boundary 3:	<i>Leyland Cypress Hedge</i>
Boundary 4:	<i>Leyland Cypress Hedge</i>
Front Garden:	<i>N/A</i>
Rear Garden:	<i>N/A</i>
Other:	<i>Land is currently Disused Garden Land with sub-optimal conditions for habitats.</i>

2. What green infrastructure features (trees, hedges, hedgebanks) have already been removed from site and/or require removal to facilitate the development (add lengths or areas)?

Boundary 1:	<i>None</i>
Boundary 2:	<i>None</i>
Boundary 3:	<i>None</i>
Boundary 4:	<i>None</i>
Front Garden:	<i>N/A</i>
Rear Garden:	<i>N/A</i>
Other:	<i>None</i>

3. How are the retained features being protected during development (BS5837:2012)?

Boundary 1:	<i>Contractor to make every effort to protect Hedges in situ.</i>
Boundary 2:	<i>Tree protective fencing and root protection areas as per AIA</i>
Boundary 3:	<i>Contractor to make every effort to protect Hedges in situ.</i>
Boundary 4:	<i>Contractor to make every effort to protect Hedges in situ.</i>
Front Garden:	<i>N/A</i>
Rear Garden:	<i>N/A</i>
Other:	<i>N/A</i>

4. What Green Infrastructure is being planted as mitigation for losses?

Boundary 1:	<i>Hedge to be retained, and receive additional planting if necessary</i>
Boundary 2:	<i>Privat Hedge retained and receive additional planting, Trees Retained</i>
Boundary 3:	<i>Hedge to be retained, and receive additional planting if necessary</i>
Boundary 4:	<i>Hedge to be retained, and receive additional planting if necessary</i>
Front Garden:	N/A
Rear Garden:	N/A
Other:	<i>Garden planting with Pollinator Shrub Planting and wildflower grassland to be planted within front and rear gardens.</i>

5. Biodiversity enhancements

The enhancements do not need to be directly attached to the proposed new construction; they can be attached to the host dwelling or placed within the garden, but they do need to be on land within the red or blue line. The principle is that the enhancements should lead to a 'net benefit' for biodiversity. The following biodiversity enhancements have also been added:

√	Measure	Plan	Details
√	Boxes. (state type and number) Please make sure they are currently available to buy.	See PL09	2no. Schwegler 1SP Sparrow terraces and 1no. Manthorpe Swift Brick, 4.5m high located under eaves on north facing elevations.
√	Hedgerow. Total new or restored length.	See PL09	83.5m of <i>Leyland Cypress Hedge</i> and 36m of <i>Privat hedge</i> to be retained.
√	Tree/orchard planting. Number of trees.	See AIA and PL09	2no. Pine Trees to be retained. See AIA.
√	Wild flower grassland (area in m2).	See PL09	36m ² allocated to wild flower grassland. Use "Restore and Enrich Wildflower Seeds LWRE" and follow supplier recommendations. Location at the front of the property that can be appropriately managed.
√	Pollinator shrub planting. Area in m2.	See PL09	Planting new shrubs and perennials, with single (not double) flowers and species which are related to wild plants from the UK.

X	Wildlife ponds. Number of.	N/A	Site Not suitably sized to incorporate a pond.
	Hibernacula. Number of.	N/A	Site not suitable/
	Any other measures.		

6. Management and maintenance.

Any information on the long term management and maintenance of the enhancements.

To ensure long-term net biodiversity benefits on our site, we will implement the following strategies:

1. Regular Monitoring:

- Conduct annual biodiversity audits to ensure measures are in place and well maintained.

2. Habitat Management:

- Maintain wildflower grassland by mowing twice a year (early March and mid-to-late August) and removing cuttings.
- Regularly inspect and maintain trees and hedgerows.

3. Wildlife Features:

- Regularly check and maintain integrated bird and bat boxes, replacing or repairing as needed.
- Add more nesting sites if monitoring indicates a need.

4. Pollinator Support:

- Enhance plant diversity by periodically introducing new native wildflower species.
- Install and maintain insect hotels for additional pollinator habitat.

5. Community Engagement:

- Include Education pack in sales particulars to inform residents about biodiversity and encourage participation in monitoring and maintenance.
- Promote wildlife-friendly gardening practices among residents.

These strategies will help create a resilient ecosystem and provide lasting biodiversity benefits on the site.

7. Conclusion

In conclusion, our new two-dwelling development is committed to enhancing and sustaining local biodiversity through thoughtful green infrastructure strategies. By integrating bird and bat boxes, creating and maintaining wildflower grasslands, and supporting pollinator habitats, we aim to foster a rich and diverse ecosystem. Regular monitoring, adaptive management, and community engagement will ensure these benefits are sustained over the long term. Our approach not only contributes to the conservation of local wildlife but also creates a more attractive and ecologically robust environment for residents and the broader community. Through these efforts, we are dedicated to making a positive and lasting impact on the natural landscape.

8. Sketch plan (Insert plan showing the features of the development site):



9. Site photos (as required)

See PEA document.

