GREEN INFRASTRUCTURE STATEMENT
& BIODIVERSITY ENHANCEMENT SCHEME

Form completed by	Deer Architects
Date	20 March 2025
Address of site	40 Downton Road Rumney Cardiff CF3 3BJ
Grid reference	ST219788
Description of Proposal	Erection of a single storey side extension, installation of a sun tunnel, external alterations to the property, enlarge the existing driveway, and demolition of detached garage.
Planning reference (if you have one)	**PP-13807539**

1. Green Infrastructure (GI) assessment

	All existing GI on site	**Has this GI already been removed?**	**Will this GI need to be removed?**
Front Garden	Grass and Shrubs	No	Partly, to create space for the enlarged driveway.
Rear Garden	One tree, two saplings and grass	No	No
Other			

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

Front Garden:	Grass will be maintained - partly removed to create space for new enlarged driveway. Shrubs will be retained given that they are healthy.
Rear Garden:	If the saplings and tree are healthy, they will remain unaffected by the development as they are located well away from the new extension construction area,. The grass will be maintained, and the garden will be leveled.
Other:	

3. Describe what has been done to avoid any impacts as far as possible

The development is designed to preserve existing retaining tree, saplings and shrubs by positioning the new extension and any pavement areas beyond their calculated Root Protection Areas (RPAs), ensuring that excavation and machinery operations do not impact these zones.

4. Describe what will be done to mitigate (minimise) any impacts

Although the development does not interfere with the root protection areas, these areas can be marked off and regularly monitored during construction to maintain the health of retained vegetation and promptly address any signs of stress or damage.

5. Describe what will be done to compensate for (replace) any losses

For any tree, shrubs or sapling that are lost during development, new saplings of a similar or native species will be planted in suitable locations within the garden. These will be selected based on their ability to thrive in the local conditions and will contribute to the overall landscape and biodiversity. To further compensate for any losses, additional planting of wildflowers and pollinator-friendly plants will be incorporated into the garden design. Any shrubs, bushes or planted flowers affected, will be relocated or replaced, if needed, with local species.

6. What Landscaping is being implemented to enhance Green Infrastructure?

The landscaping will include a diverse mix of hedges, shrubs, and plants that are well-adapted to local conditions. This enhances biodiversity by creating habitats for birds, insects, and other wildlife, and promotes ecological resilience. Areas of the garden will be dedicated to wildflower meadows, encouraging pollinators like bees and butterflies. These meadows will not only improve the aesthetics of the landscape but also boost local biodiversity and reduce the need for intensive lawn care.

7. How will the new planting be implemented, managed and/or maintained?

To ensure the long-term effectiveness of the green infrastructure, a maintenance plan will be implemented; this includes seasonal pruning, planting, and compost management as well as the annual cleaning of permeable paving to prevent clogging. A long-term maintenance plan will ensure that the new planting and the presence of green infrastructure strengthens over time.

8. Biodiversity enhancements

The following biodiversity enhancements have also been added (tick which applies, or include anything else in the “other” section:

Biodiversity enhancement	**Yes, we will provide this**
Bat box	
Bird box	Yes
Hedgehog hole in fence for access	
Hedgehog nest box *(must ensure access for hedgehog into garden, either through existing access or new access)*	
Area of wildflower planting (minimum 1m^2)	Yes

Wildlife pond *(must ensure easy exit for wildlife "exit ramp", and <u>not</u> be stocked with fish)*	
Plant a new native hedgerow, or remove existing low value hedgerow and replace with a native hedgerow	Yes
Other	

Details of above

Type	Location	Info
Area of wildflower planting	Rear Garden	• Allowing space for pollinators to feed on: such as bees, butterflies, wasps, moths, and more. • Improve soil structure and fertility. • Essential habitat for insects, small mammals, and birds. • Improving water infiltration into soil.
Native Hedgerows / Shrubs / Planted flowers	Rear Garden	• In the case, any shrubs need to be relocated, they will be relocated along the boundaries of the garden. • If they need to be replaced, they will be replaced by native species. • The addition of a native laurel hedge bush • They offer essential habitats and nesting spaces for a variety of species, such as birds, insects, and pollinators. • Roots help to improve soil structure and soil fertility.
Bird Boxes	Rear Garden	• Offer essential, safe habitats and nesting spaces for a variety of species.

9. Conclusion

*Based on the information provided above, this development will result in a **Green Infrastructure and biodiversity Net Benefit** upon completion.*

10. Sketch plan (showing the approximate plan of the features of the development site

SITE PLAN AS PROPOSED

11. Site Photos