



Green Infrastructure Statements and Biodiversity Enhancements
Land at Park Gardens,
Begelly, Pembrokeshire

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1. Summary

I & G Ecological Consulting Ltd were commissioned to produce a Green Infrastructure Statement (GIS) in support of a planning application for a new Tourist Accommodation development and associated infrastructure. This report will document all relevant and required information and recommendations necessary to support Planning Requirements at this stage.

Green Infrastructure (GI) Statements

A GI Statement is required on all developments as detailed in *Planning Policy Wales, Edition 12* (PPW12 section 6.2.12). A GIS describes how the green infrastructure of a site (trees, hedges, grassland, ponds and SuDs) has been incorporated into the development proposal. A key part of the statement is describing how the 'step-wise approach' is being followed. The GIS is to be proportionate to the scale and nature of the development.

GREEN INFRASTRUCTURE STATEMENT

1 INTRODUCTION

1.1 What is the proposal?

Siting 22 log cabins, a communal parking area, and Reception building, and associated infrastructure

1.2 Where is the development?

Land off Park Gardens, Begelly, Pembrokeshire

2 GREEN INFRASTRUCTURE FEATURES AND THE STEPWISE APPROACH

2.1 Please record any surveys that have been undertaken at the site (note: record date of actual survey not date of report):

Survey number	Survey title	Author	Date(s) of survey
1	Preliminary Ecological Survey	I&G Ecological Consulting Ltd	20 th July 2018
2	Preliminary Ecological Survey	I&G Ecological Consulting Ltd	03 Feb 2025

2.2 The table below lists most features of ecological/landscape interest that might be found in a single plot/garden.

1. Tick (✓) which features are on site or at the boundary of the site in the '*Present on site or at boundary*' column. If any other features are present add them at the end of the table.
2. If the feature has been surveyed write the relevant survey number from section 2.1 in the '*Survey number*' column.
3. Work out which features will be impacted by development (try and minimise the quantity and extent of features impacted) and tick the relevant '*Will the feature be avoided by the development?*' box (no ticks are required if the feature is not on site).
4. If features are avoided/retained by the development they must still be protected, please tick the '*Recommended protective measures to be undertaken*' or write an alternative protection method in section 2.3.
5. If features will be impacted by the development a mixture of protection (for any parts of the feature retained), minimisation/mitigation (to minimise harm and keep protected species safe) and compensation will be required. Tick what you will do from the '*Stepwise approach*' columns or write an alternative method in section 2.3.

	Feature	Present on site or at boundary (tick)	Survey number	Will the feature be avoided by the development?		Stepwise approach (tick the recommendations that will be followed)					
				Avoided (tick)	Unavoidable impact(s) (tick)	Recommended protective measures to be undertaken		Recommended Minimisation/mitigation		Recommended compensation	
1	Hedge (mixed native species)	✓	1,2	✓		Retained hedge and a 2m buffer zone will be protected by temporary fencing during construction	✓	The impacted length of hedge will be translocated (with hedge bank if present). Note: If hedge is translocated compensation is not required. Vegetation removal/translocation will be outside bird breeding season (March to August inclusive) or supervised by an ecologist.		A new native species hedge (with hedge bank if present) will be replanted by the end of the first planting season after development. It will comprise of at least 5 native species and be at least twice the length of the removed hedge.	
2	Hedge (amenity/ non-native/ single native species)	✓		✓		Retained hedge and a 2m buffer zone will be protected by temporary fencing during construction	✓	Vegetation removal will be outside bird breeding season (March to August inclusive) or supervised by an ecologist.		A new native species hedge will be replanted by the end of the first planting season after development. It will comprise of at least 5 native species and be at least the length of the removed hedge.	
3	Piles of stone or stone wall (open structure with potential habitat niches; could include gabion wall)					Retained wall/stone pile protected by temporary fencing during construction		Wall/stone pile removal will follow a reptile and amphibian method statement.		New open stone walls or stone reptile hibernacula will be created within the site boundary.	
4	Pond or ditch (static water, permanent or seasonal)	✓		✓		Retained ditch and a 7m buffer zone will be protected by temporary fencing during construction	✓	Method statement for pond translocation to newly created pond will be followed.		New wildlife friendly pond to be created on site. This may be integrated with SuDS. New pond must be created before old ditch is removed.	
5	Watercourse (flowing water, permanent or seasonal)	✓		✓		Retained watercourse and a 7m buffer zone will be protected by temporary fencing during construction (note: this buffer is LDP policy)	✓	NetRegs Pollution prevention measures described in: 'GPP 5: Works and maintenance in or near water' will be followed			

6	Meadow (grassland/ flowers more than 100mm height for most of the year)	✓			✓	Protected by temporary fencing during construction.		Vegetation removal will follow a reptile and amphibian method statement.	✓	Diverse wildlife friendly planting (this does not need to be all native species) of at least the area lost	✓
7	Native species shrub/scrub areas	✓			✓	Retained scrub and a 2m buffer zone will be protected by temporary fencing during construction.	✓	Vegetation removal will be outside bird breeding season (March to August inclusive) or supervised by an ecologist.	✓	New native species trees will be replanted by the end of the first planting season after development. They will comprise of at least 5 native species and cover an area at least twice the length of the removed scrub.	
8	Woodland (on site or at boundary)	✓		✓		Root protection area of trees at boundary of woodland will be protected by temporary fencing during construction.	✓	Method statement in the arboricultural survey will be followed.	✓		
9	Individual trees (including on site or boundary trees)	✓			✓	Root protection area of trees will be protected by temporary fencing during construction.	✓	Method statement in the arboricultural survey will be followed.	✓		
10	Bat roost (in trees or built structure)					Follow recommendations in bat report/bat licence		Follow recommendations in bat report/bat licence		Follow recommendations in bat report/bat licence	
11	Other protected species or habitats identified in surveys	✓			✓	Follow recommendations in ecological report	✓	Follow recommendations in ecological report		Follow recommendations in ecological report	

2.3 If not using the recommendations, please describe how the step-wise approach will be followed for the features on site:

2.4 Please give any additional details of any protection/mitigation/compensation, e.g. number, species, size (or ensure details are shown on site plans):

See plan below

3 SURROUNDING GREEN INFRASTRUCTURE

3.1 Describe what is around the site:

The site is in a semi-rural location, with low-density housing to the west and south, agricultural fields, woodland and ponds to the north, wet woodland and riparian corridor to the east

4 NET BENEFIT FOR BIODIVERSITY

4.1 What extra features (beyond compensation) will you add to enhance biodiversity (try and relate this to what is on and around the site)? Please tick (✓) what you will do.

Enhancement	Tick
New bat loft or enhancements to existing bat loft (e.g. bigger, adding entrances, adding roost perches)	
Planting suitable plants and permanently protecting 7m watercourse buffer	✓
Wildlife pond creation	
Bog garden creation	
Native hedge planting	
New wildlife friendly tree planting (e.g. native or fruit trees)	
Remove area of hardstanding/paving and replace with enhancements from this list	
Green roof	
Green wall	
Diverse wildlife friendly planting (this does not need to be all native species)	✓
Reptile refugia (stones, logs and turf)	✓
Built-in bird and/or bat box (integrated into construction)	✓
Built-in bee brick (integrated into construction)	
Other (please specify):	

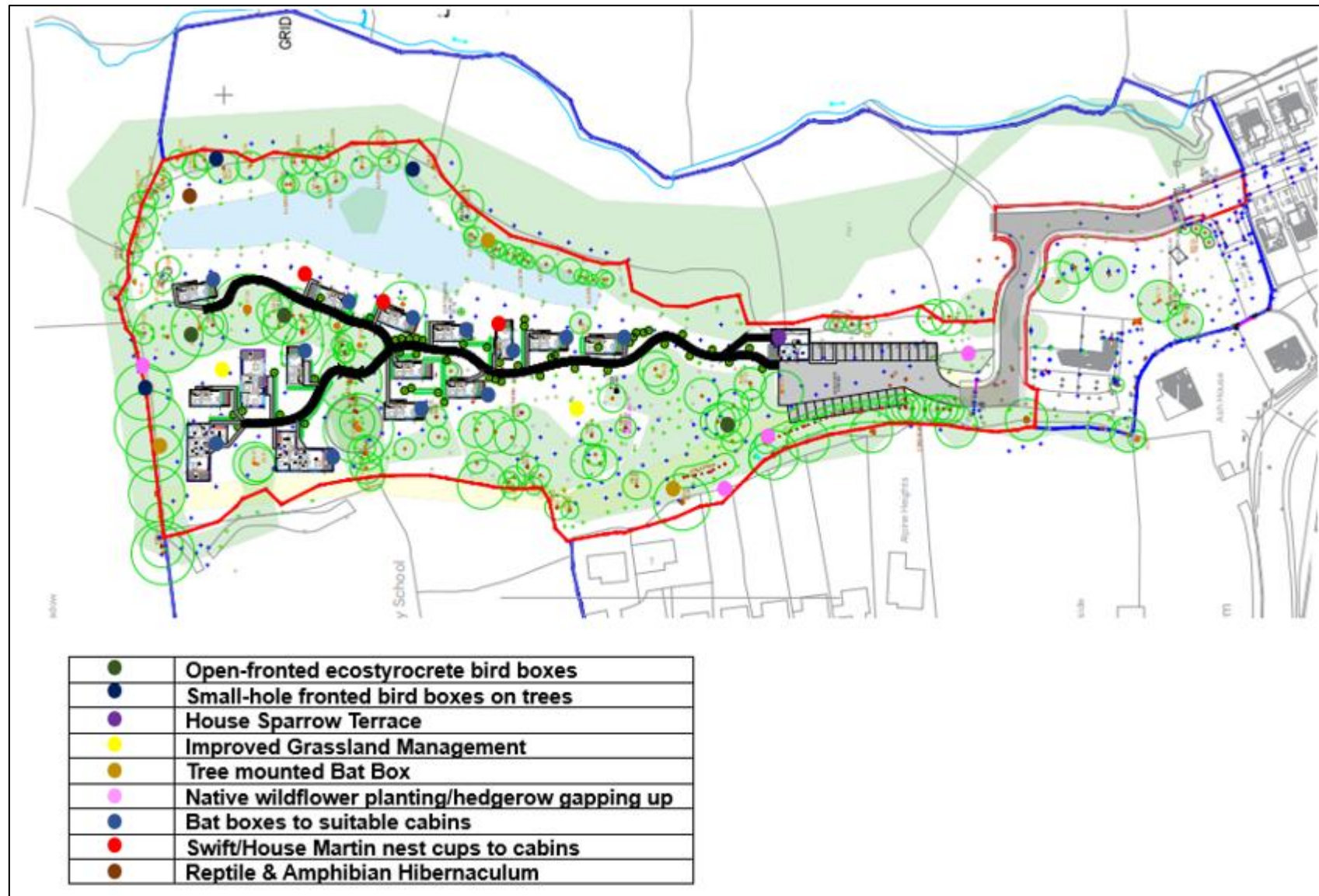
4.2 Please give more details of enhancements e.g. number, species, size (and/or ensure details are shown on site plans):

Bat Boxes – 1 x integrated bat box per cabin, if design allows. Otherwise, wall mounted – suitable for crevice dwelling species 3 x tree-mounted boxes sited within curtilage of land ownership – suitable for tree dwelling species Bird Boxes – cabins closer to woodland or scrub margins to host 1 x small-hole fronted ecostyrocete bird box per suitable cabin 1 x House Sparrow Terrace to Reception building (ideally northerly elevation, near to shrub/hedge) Cabins sited out in the open grassland area to host 1x Swift box/House Martin cup per suitable cabin 3 x Open-fronted ecostyrocete boxes sited on healthy mature trees within curtilage of land ownership Planting scheme to include native hedgerow trees to gap up suitable areas of the now defunct hedgerows; soft landscaping to include planting native organic bulbs. Grassland management regime designed to ensure plants are allowed to flower and set seed, with some areas allowed to overwinter. All arisings to be removed. Reptile and Amphibian hibernaculum to be sited in an undisturbed location

Please ensure all surveys mentioned in section 2.1 are submitted with the application.

Site plans must show all features (retained and proposed) described in section 2 and 4.

5 **SKETCH PLAN** (showing the approximate plan of the features of the development site) **Positioning and quantities are indicative only, final product choice and siting will depend on outcomes of any further surveys and subsequent changes of design/layout.**



6 **SITE PHOTOS** (Images representing the features detailed above, if available)

7 **BIODIVERSITY ENHANCEMENTS- RECOMMENDED PRODUCTS & INFORMATION**

7.1 **BIRDS**



Above left small-holed nest box. **Above right:** open-fronted nest box



Above left: House Martin nest cups. **Above right:** Externally mounted Swift nest box

Further siting advice can be found at [Where To Put A Bird Box | Nestboxes - The RSPB](#) or [BTO.org](#).

7.2 BATS

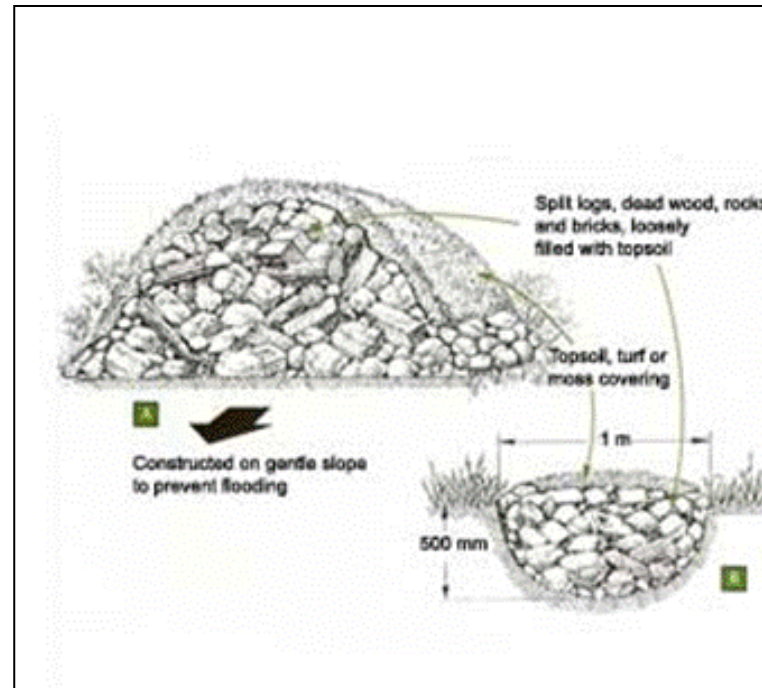
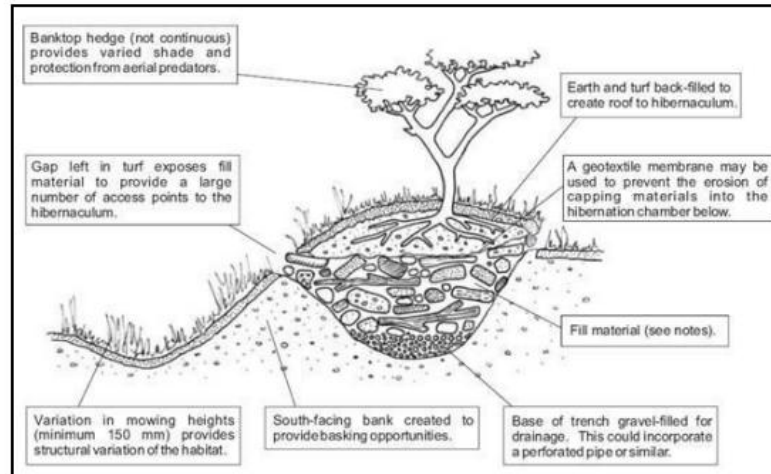
Externally Mounted Bat Boxes

Below left: Example of a single-crevice ecostyrocrete bat box. Below right: Example of a Woodstone bat box



7.3 REPTILES/AMPHIBIANS

The preferred hibernacula design where ground conditions allow



7.4 PLANTING – HEDGEROWS, BORDERS, SUDS ETC.

Select native species for hedgerow gapping up, to include fruiting/nut producing varieties, such as Hawthorn and Hazel

Ensure plants for both hedging and soft landscaping are from a reputable source (preferably local), and not grown in peat.

Recommended supplier:

Celtic Wildflowers of Gorseinon, Swansea <https://celticwildflowers.co.uk>.

Penlan Perennials <https://www.penlanperennials.co.uk/>

Further Information: <https://www.rhs.org.uk/gardening>

Native Trees and Shrubs

<https://www.rhs.org.uk/plants/types/trees/native-tree-shrubs>

<https://www.woodlandtrust.org.uk/trees-woods-and-wildlife/british-trees/>

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We confirm that in preparing this Report we have exercised reasonable skill and care, taking into account the project objectives, the agreed scope of the work and prevailing site conditions.

Advice in this report is based on the judgment of I&G Ecological Consulting and the interpretation of data gathered during the course of their survey on the property named in this document.

The findings and advice given during the course of this survey is provided by employees of I&G Ecological Consulting acting only on behalf of I&G Ecological Consulting.

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