

INTERNAL MEMORANDUM

To: David Cross
From: Matt Davies (Ecologist)
Ext: 5278
Memo number: 1
Date of previous memo: -
Date: 09/11/2022

SUBJECT: P/22/0286 | Erection of four pairs of semi-detached dwellings with associated engineering and landscaping works | Land Adjacent To Kingsley Terrace Aberfan Merthyr Tydfil

Report submitted in support of the above application:

1. Preliminary Ecological Appraisal. Yr Hen Laethdy, Aberfan. Soltys Brewster Ecology. Draft, **Issue 2, dated 11/07/2022.**

Comments:

The following is required pre-determination:

Invasive Non-Native Species (INNS) Method Statement

An INNS method statement, specifically in relation to JKW is required. This must include robust biosecurity measures.

3m Ecology Buffer Protection Measures

Full details of the measures that will be employed to protect the 3m ecology buffer, including the stream, during construction will be provided.

Site Landscape Establishment, Maintenance and Management Plan

This must only use native species of local (if not Welsh) provenance.

The use of a mix of Hawthorn, Blackthorn and Dogwood has been referred to within Document 1. Further native species will be added to this mix to enhance biodiversity (in accordance with the Environment (Wales) Act 2016).

The plan will include all new onsite planting including the rain gardens as well as the 3m Ecology Buffer.

Lighting Plan

A lighting plan is required. The design of any site lighting as part of the development will reduce light levels along the 3m Ecological Buffer must be demonstrated to be below 0.2lux on the horizontal plane and below 0.4lux on the vertical plane (as per the guidelines cited below).

There must also be dark routes to allow access to bat boxes integrated within the proposed new buildings.

In addition, any luminaires used must conform to the following Bat Conservation Trust / Institute of Lighting Professionals guidelines -

<https://theilp.org.uk/publication/guidance-note-8-bats-and-artificial-lighting/>. For example, amongst other requirements they will need to have a warm white spectrum (<2700K), a peak wavelength of >550nm, an upward light ratio of 0%, good optical control and be mounted on the horizontal with no upward tilt.

Mitigation and Enhancement Measures

- o Proposed Site Layout Drawing No. LT2202.04.02 **Rev G**

The above document submitted on 31/10/2022 includes the following ecological measures:

- o x1 Swift Box (Plot 1)
- o x3 Bat Box (Plots 3, 6 and 8)
- o x1 Reptile Hibernacula

Gaps in boundary fences for hedgehogs need to be added to this plan. In addition, hyperlinks to the bat and swift box models will be included.

NB Document 1 includes an earlier version of the Proposed Site Drawing Layout. This needs to be updated

Additionally, Document 1 refers to the following:

'Inclusion of 2no. bat boxes and 2no. bird boxes onto new residential units.'

This does not match the measures within Rev G of the Proposed Site Layout Drawing (i.e., x1 swift integrated box and x3 integrated bat boxes).

Compliance Visit

A post-works compliance visit will be included within Document 1. This will aim to verify that all ecological measures have been implemented satisfactorily.