

Green Infrastructure Statement:

Site Address: 73 Nightingale Street Abercanaid

Proposed Development: Proposed single storey extension

Site description: The existing site comprises of a mid terrace two storey property. The property has a grade ii listing. The property comprises of a single room to the ground floor which contains the kitchen and living room, the first floor comprises two small bedrooms and a small bathroom.

The front of the property sits on the boundary and runs parallel to the pavement and fronts onto nightingale street. The property has a long rear garden which backs onto the rear properties of Canal Row.

Surrounding Area description: The property sits within a row of terraced properties in a residential area of Abercanaid. The street has no through road but has. Turning circle at the end. To the rear is a row of cottages which front the taff trail. Near by there is a public house. At the end of the row is a footpath which provides access to canal row

Existing Green Features :

Currently the garden are has very little green infrastructure (a single bush) and has been used as a dumping ground for large amounts of timber over several years and also contains 2 dilapidated sheds.



View of existing rear garden

Development Impacts:

There is no impact upon the green infrastructure as there is no green infrastructure

Biodiversity Enhancements Proposed

The proposed development is to erect a small single storey rear extension to provide a kitchen and bathroom.

The existing garden will be cleared of the dumped waste timber and the two dilapidated shed removed as they are too dangerous to access or repair.

It is proposed to erect the extension which will extend 3m from the main house and provide a small dry/patio area. From that a small timber sleeper retaining wall will be built possibly 300mm high and behind that the garden will be reinstated. It is proposed to provide a lawn area to part of the garden and place planting to the remainder.

To provide biodiversity enhancements it is proposed to create rain gardens (see layout plan) which will be planted with suitable plants which are water tolerant and bee friendly, examples are below but the exact species and mixture will be determined at a later date.

Plants: *Sambucus nigra*, *Cornus alba* 'Sibirica', *Viburnum opulus*, *Dryopteris filix-mas*, *Astilbe* 'Fanal', *Matteuccia struthiopteris*, *Iris pseudacorus*, *Rudbeckia fulgida* var. *sullivantii* 'Goldsturm', *Vinca minor*, *Persicaria bistorta* 'Superba', *Luzula nivea*, *Carex Testacea*, *Geranium pratense*

Bats /Birds

In line with the National Planning Policy Framework, the development should aim to enhance the site for bats.

1 No. Bat box (Beaumaris) should be installed to provide roosting habitat and
1 No bird box (elegance) examples below

In general, bats seek warm places and for this reason boxes should be located where they will receive full/partial sun, although installing boxes in a variety of orientations will provide a range of climatic conditions. Position boxes at least 3m above ground to prevent disturbance from people and/or predators.

It is proposed to install a minimum 2 no Beaumaris bat boxes one to each property and also a bird nesting box to each property. Bird boxes should be

fitted between 2m-4m high, on a north or east facing elevation to avoid direct sunlight.

Lighting should also be carefully selected to avoid disturbance to bats who are foraging/commuting. Artificial lighting is known to cause disturbance and can discourage use of the site and boxes.

A sensitive lighting scheme is recommended and should be created using the advice of an ecologist. The lighting scheme should follow the advice details in Bat and Artificial Lighting in the UK, technical Guidance Note.

Luminaries are to be LED only and should have a warm white spectrum <2700 Kelvins reducing blue light and increasing red light.

Luminaries should not face upwards and should have 100% downward light



Beaunmaris Bat Box.



Elegance Sloping Bird Box

Conclusion.

It is considered that subject to the above, that the proposed development would provide biodiversity where currently there isn't any, build resilient ecological networks and deliver net benefits for biodiversity by introducing biodiversity, only building on existing hard areas and by installing biodiversity enhancement features such as bat and bird boxes.