

**SE Wales Office**

36 Somerset Road East

Barry

Vale of Glamorgan

CF63 1BE

01446 748052

carmen@terraqua-ecological-services.co.uk

Mobile 07742149344

**W Wales Office**

Swyn yr Awel,

Bwlch y Groes,

Llandysul

Ceredigion

SA44 5JX

dyfrig@terraqua-ecological-services.co.uk

Mobile 07951023358

**Date** 16/12/2020

**Technical Note**

|                                           |                                       |
|-------------------------------------------|---------------------------------------|
| <b>Date:</b> 16/12/2020                   | <b>Author:</b> Dyfrig Jones           |
| <b>Client:</b> Persimmon Homes East Wales | <b>To:</b> Morgan Williams            |
| <b>Project:</b> Twynyrodyn                | <b>Subject:</b> Landscaping Proposals |

Bat Survey work undertaken in 2019 identified the perimeter planting (eastern and western) as being of importance to commuting and foraging bats.

The re-development proposals for the site has retained the perimeter block planting along the eastern perimeter with additional wildflower mix, but the planting along the western perimeter has been lost in its entirety.

Current planning policy requires the delivery of Sustainable Drainage Strategies on all sites and as such a vegetated swale forms a central feature at Twynyrodyn with housing and road infrastructure proposed east and west of this feature.

Landscaping proposals for the swale area include a native hedgerow with standard trees every 10m with additional Emorsgate EH1(Hedgerow mix) and Emorsgate EM3 wildflower mix forming a functional green corridor running North-South through the site.

With the development of an appropriate lighting plan (as yet unavailable) these features, given the natural compromise of a housing development, compensates in part for the loss of the western block planting noted during the baseline ecological surveys. and retains a functional green corridor through the development. The combination of this corridor and retained eastern block planting will ensure suitable commuting and foraging habitats for bats are retained post development.

The combination of swale, wildflower mix, hedgerow mix and native hedgerow also provides a good mix of habitat for reptiles and amphibians also noted as a ecological feature during the baseline surveys in 2019.

Naturally to ensure the delivery of short, medium and long term ecological/biodiversity benefits within the development an appropriate Green Infrastructure Management Plan will be required which will detail management prescriptions for the features referenced in the Landscape Plan.

Regards

Dyfrig

A handwritten signature in black ink, appearing to read 'Dyfrig Jones', with a stylized flourish at the end.

Dyfrig Jones  
*Cyfarwyddwr*/Director  
**TerrAqua** Ecological Services Ltd