

**LAND ADJACENT TO BRYNHEULOG - ECOLOGICAL ENHANCEMENTS.**

**APPENDIX 3**

The following ecological enhancements are included as part of the proposed development at Brynheulog, St Clears These satisfy Future Wales Policy 9 and have taken into account the site location and relationship to the local biodiversity networks

Ref No	Enhancement	Number	Biodiversity Value	Location	Timescale	Example /Available from (& other suppliers)
1	Integrated bat box	50% of houses	Provide <b>NEW BAT ROOST</b> for crevice dwelling bats eg: Pipistrelle species	Within western gable end of 50% of houses and on all houses along southern boundary. Position close to eaves and away from light (eg windows) at least 4m above ground.	During house construction.	<a href="https://www.greenandblue.co.uk/products/bat-block-bat-brick">https://www.greenandblue.co.uk/products/bat-block-bat-brick</a>
2	Integrated House Sparrow Terrace	50% of houses, each with 3 separate boxes	<b>NEW BIRD NESTING SITE</b> for house sparrows	Within northern or eastern gable on 50% of houses, 2m minimum above ground level	During house construction.	<a href="https://www.wildcare.co.uk/sparrow-terrace.html">https://www.wildcare.co.uk/sparrow-terrace.html</a>
3	House martin nest	50% of houses	<b>NEW BIRD NESTING SITE</b> for house martins	Northern or eastern gable under overhanging eaves, on 50% of houses. Ideally not above door / window to avoid mess	During house construction.	<a href="https://www.nhbs.com/house-martin-nests">https://www.nhbs.com/house-martin-nests</a>
4	Bee brick	All houses	<b>NEW INSECT HABITAT</b> for solitary bees such as leaf-cutters	Sunny, sheltered location on southern or western elevations >1m above ground level	During house construction.	<a href="https://www.greenandblue.co.uk/products/bee-brick">https://www.greenandblue.co.uk/products/bee-brick</a>
5	Hedgehog gateway	All gardens	<b>IMPROVED WILDLIFE CONNECTIVITY CONTRIBUTING TO VALUE OF GREEN INFRASTRUCTURE</b> with access for hedgehogs.	Below garden / boundary fences		<a href="https://www.hedgehogstreet.org/help-hedgehogs/link-your-garden/">https://www.hedgehogstreet.org/help-hedgehogs/link-your-garden/</a>
6	Native shrub & tree planting to comprise holly ( <i>Ilex aquifolium</i> ), hazel ( <i>Corylus avellana</i> ), hawthorn ( <i>Crataegus monogyna</i> ), dogwood ( <i>Cornus sanguinea</i> ), spindle ( <i>Euonymus europaeus</i> ), field maple ( <i>Acer campestre</i> ), rowan ( <i>Sorbus aucuparia</i> ), honeysuckle ( <i>Lonicera periclymenum</i> ) and dog rose ( <i>Rosa canina</i> ). Plants should be local provenance zone 303 or 304. (NB: Holly to be pot grown. Watering and weed control to be carried out as necessary in first 3 years until plants established. Losses will be replaced like for like.	150m x 5m width	<b>IMPROVED WILDLIFE CONNECTIVITY CONTRIBUTING TO VALUE OF GREEN INFRASTRUCTURE</b> with feeding and nesting habitat for birds and small mammals.	Inside site along southern boundary	Planting season following house construction	<a href="http://www.tyrhostrees.co.uk">http://www.tyrhostrees.co.uk</a>

7	SUDS ponds will hold a given amount of water at all times and will provide natural water body / wetland habitat with appropriate planting	3no ponds	<b>CREATION OF NEW WETLAND HABITAT</b>	Around SUDS ponds, as per landscape drawing	As part of site landscaping / SUDS construction	
8	Rill / rainwater garden will be planted with appropriate native wetland / marginal plants and provide wetland feature	See landscape drawing	<b>WILDLIFE CONNECTIVITY</b> through site	Along edge of pavement / garden boundary	As part of site landscaping / SUDS construction	
9	Pollinator planting – pollinator friendly, local provenance seed mix used within SUDS areas.	Approx 0.25ha	<b>CREATION OF POLLINATOR HABITAT</b> with pollen, nectar and leafy vegetation for all stages of life cycle.	Within SUDS areas	As part of site landscaping / SUDS construction	<a href="https://wyndrushwild.co.uk">https://wyndrushwild.co.uk</a> <a href="https://www.thewildflowernursery.co.uk/">https://www.thewildflowernursery.co.uk/</a>
10	Reduced mowing frequency of grassland around SUDS ponds to encourage native wildflowers to seed, vegetation structure and habitat for insects and small mammals.	Approx 0.25ha			Within site management contract	
11	Site lighting	/	Lighting will be low level, motion sensor and with lights directed into the site a to <b>AVOID DETRIMENTAL IMPACT ON LOCAL WILDLIFE</b>	/	Final stages of construction	