ARBOR VITAE

ECOLOGY • FORESTRY • LAND USE

Project name:	**Garreg Lwyd, Llangollen, Wrexham, LL20 7RY**
Document title:	Net Biodiversity Benefit Plan
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Date:	10/06/2025
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Requested by:	Roger Parry and Partners

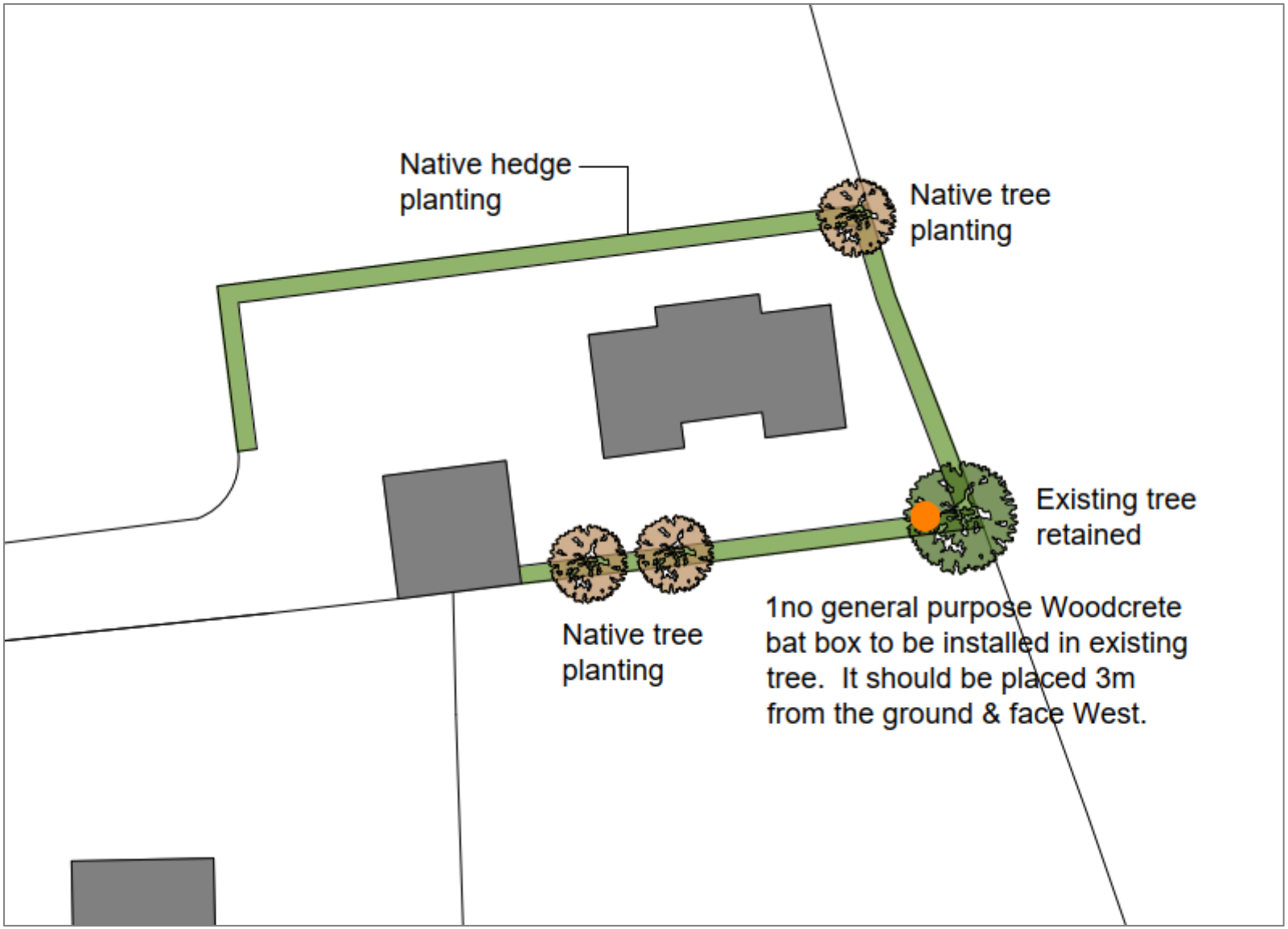
Lower Betton Farm, Cross Houses, Shrewsbury, Shropshire, SY5 6JD

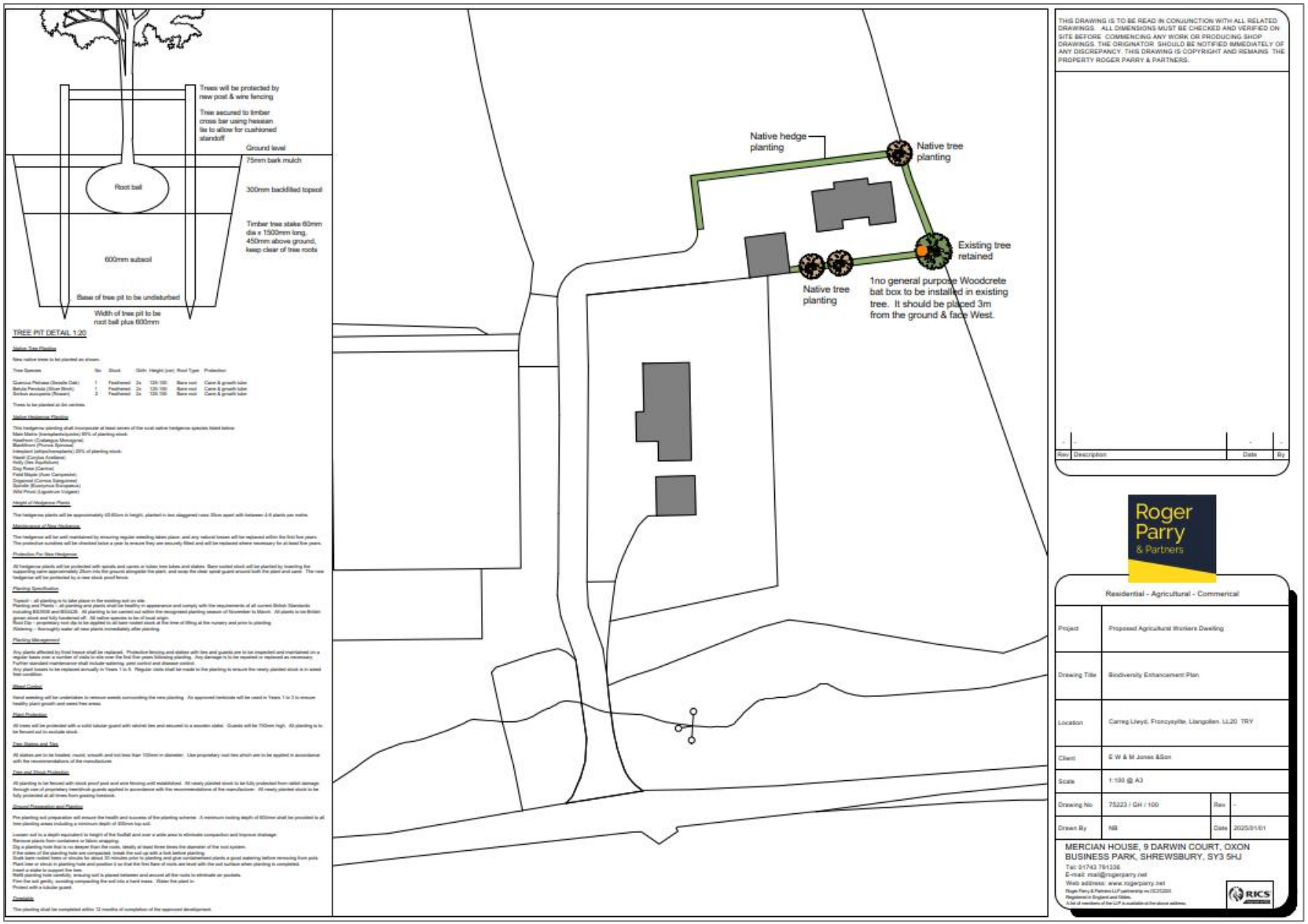
1 Background information

Planning permission is being sought for the construction of an agricultural dwelling at Garreg Lwyd Farm. Arbor Vitae were commissioned by Roger Parry and Partners to undertake a Preliminary Ecological Appraisal in order to assess the impact of the development on habitats and protected species.

The proposal will include the construction of a detached dwelling on an agricultural field adjacent to the farmyard. Access into the field is through an existing field gate at the south boundary. All services will be provided from the existing residential property on site. The proposed development will result in the loss of a small amount of improved grassland. The habitat type is of little ecological significance and the proposal will not have a major impact on local ecology.

A short addendum to the original Preliminary Ecological Appraisal has been requested in order to provide details regarding Net Biodiversity Benefit features at the site. The following document outlines the proposals.


Native hedge planting
Native tree planting
Existing tree retained
Native tree planting
1no general purpose Woodcrete bat box to be installed in existing tree. It should be placed 3m from the ground & face West.


Trees will be protected by new post & wire fencing
Tree secured to timber cross bar using heavy hessian tie to allow for cushioned standoff
Ground level
75mm bark mulch
Root ball
300mm backfilled topsoil
Timber tree stake 60mm dia x 1500mm long, 450mm above ground, keep clear of tree roots
600mm subsoil
Base of tree pit to be undisturbed
Width of tree pit to be root ball plus 600mm
TREE PIT DETAIL 1:20
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Rev
Description
Date
By
Roger Parry & Partners
Residential - Agricultural - Commerical
Project
Proposed Agricultural Workers Dwelling
Drawing Title
Biodiversity Enhancement Plan
Location
Carreg Lwyd, Froncysyllte, Llangollen. LL20 7RY
Client
E W & M Jones &Son
Scale
1:100 @ A3
Drawing No
75223 / GH / 100
Rev
-
Drawn By
NB
Date
2025/01/01
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RICS

Hedgerow planting

A native species hedge will be planted around the new boundary of the property, to include at least 7 woody species such as: hawthorn, blackthorn, hazel, holly, dog rose, field maple, dogwood, spindle, and wild privet. See proposed site plan for further detail.

The hedge will be planted in a double, staggered row with 6 plants per m/2. All plants will be fitted with appropriate cane and spiral guard. Any losses within the first 5 years will be replaced. Hedgerow planting will take place between November and March when plants are dormant and ground moisture levels are high.

The base of all hedgerow and tree planting will be covered with bark mulch in order to suppress the growth of competing vegetation.

All hedgerow and tree planting will be watered once a month between March and September during the first 3 growing seasons, unless usual rainfall provides the plants and ground with sufficient resources.

Tree planting

Four native trees will be planted around the periphery of the site. The following trees will be part of the scheme: sessile oak x1, silver birch x1, and rowan x2.

All trees will be planted with cane and spiral guards and any losses within the first 5 years will be replaced. The wood will be planted between November and March, during the planting season.

Wildlife enhancement features

In order to provide opportunities for protected species on site, the following wildlife features will be installed:

- One Woodcrete multi-chamber bat box to be installed into the retained mature trees at the south boundary of the site. The box will be installed at 3m from ground level and will face west.

Management plan

Management	Year				
	1	2	3	4	5
Plant all hedgerow and trees.	*				
Check the health of all hedgerow and trees.	*	*	*	*	*
Replace any losses to hedge and trees.	*	*	*	*	*
Retain hedgerow base free from undesirable species e.g. dock, thistle, nettle. Manual removal if present.	*	*	*	*	*
Hedgerow cutting to encourage horizontal growth and development of a 'green corridor' to be carried out once annually from year 3, in perpetuity. Formative trimming in Year 1 & 2.			*	*	*
Install wildlife feature into mature trees on site.	*				
Removal of spiral guards upon establishment of hedgerow and woodland.	Year 8-10.				