Appendix 1: Green Infrastructure Statement and Net Biodiversity Benefit

Form completed by:	**Gareth Venn**
Date:	**14/04/2025**
Address of site:	**Miller Field, Lodge Valley Park, Brymbo**
Grid reference:	**SJ 29782 52837**
Description of Proposal:	CHANGE OF USE OF LAND TO COMMUNITY SPACE, INCLUDING SITING OF 2 NO STORAGE CONTAINERS, INSTALLATION OF COMPOST TOILET, PLAY AREA, FOREST SCHOOL SPACE AND BIKE TRACK

1. **Details of all existing green infrastructure on site and approximate size:**

Boundary 1:	*N/A*
Boundary 2:	*N/A*
Boundary 3:	*N/A*
Boundary 4:	*N/A*
Front Garden:	*N/A*
Rear Garden:	*N/A*
Other:	Open grassland and scrub, semi improved grassland Approx 6500m2 The woodland edge forming the eastern and western boundary of the site. Approx 500m2 The woodland within the site is connected to a larger area of woodland to the east of the site, that continued north; The site is situated to the east of a residential estate. There are several purpose-built public footpaths, as well as desire paths throughout the site.

2. **What green infrastructure features (trees, hedges, hedgebanks) have already been removed from site and/or require removal to facilitate the development (add lengths or areas)?**

Boundary 1:	*N/A*
Boundary 2:	*N/A*
Boundary 3:	*N/A*
Boundary 4:	*N/A*
Front Garden:	*N/A*
Rear Garden:	*N/A*
Other:	*For the bike track area approx 500m2 and the two shipping containers 22.1m2 of semi improved grassland will built on and covered. A method statement for the moving on site of the containers has been included in the tree survey.*

3. **How are the retained features being protected during development (BS5837:2012)?**

Boundary 1:	*N/A*
Boundary 2:	*N/A*
Boundary 3:	*N/A*
Boundary 4:	*N/A*
Front Garden:	*N/A*
Rear Garden:	*N/A*
Other:	*From our tree survey report it is recommended that* a) Carry out any necessary Arboricultural pre-construction works as detailed in the tree work schedule, removal of hard surfaces and demolition of existing structures. b) Erect protective fencing and site notice (Appendix 3), root barriers and ground protection as per BS: 5837/2012 c) Carry out any development in accordance with the Tree Impact Assessment. Any amendments must be agreed in accordance supervising arborist. d) Removal fencing and ground protection. e) Final landscaping and any remedial tree surgery that may be required. The following general mitigation measures should be adopted at all times during the works: • Prior to the start of works, a toolbox talk should be given to everyone involved in the project to set out any ecological protection measures and a log of this should be kept. • Working areas should be kept to the minimum required. • Works should be avoided within 1 hour of dawn and dusk where possible, in order to avoid disturbance to nocturnal animals. •

	Storage of fuel must follow best practice. Potential pollutants should be restricted to site compounds and hardstanding areas. • Should it be necessary to have any excavations left open overnight a suitable ramp (such as a plank or branch) must be provided to allow badgers, and other animals to escape the pit. Ramps could be created by grading the slope at the edges or using scaffold boards. • All materials brought onto site should be stored on hard standing where possible. Materials should be stored on raised pallets or bagged, to prevent amphibians (or other wildlife) from taking refuge beneath them. • Any terrestrial mammals seen must be allowed to leave the area on their own. If this is not possible e.g. the animal is injured or trapped then an ecologist must be called. • If at any point in the works an amphibian or reptile is found within the works area all works in the vicinity of the sighting must immediately cease. Common amphibians should be moved from the working area by site workers (wearing gloves) and placed in a nearby hedgerow. Reptiles will usually retreat to a safe area of their own accord. If a GCN is found then all works must stop and the ecologist must be called.

4. **What Green Infrastructure is being planted as mitigation for losses?**

Boundary 1:	*N/A*
Boundary 2:	*N/A*
Boundary 3:	*N/A*
Boundary 4:	*N/A*
Front Garden:	*N/A*
Rear Garden:	*N/A*
Other:	*As only a small area of semi improved grassland out of the total site will built on or covered by the containers most of our proposed works are the enhancement of the Miller Field space and Lodge Valley Park as a whole. We intend to plant approximately 20 trees in front of the shipping containers to create a screen and maintain the green space appearance of the site. These will be native species of tree. In the wildflower meadow we plan to enhance the area with further introduction of carefully selected native seed mixes and include yellow rattle. It is intended we will also plant additional apple and fruit trees within the space which will be Welsh heritage species of fruit trees.*

5. **Biodiversity enhancements**

The enhancements do not need to be directly attached to the proposed new construction; they can be attached to the host dwelling or placed within the garden, but they do need to be on land within the red or blue line. The principle is that the enhancements should lead to a 'net benefit' for

biodiversity. The following biodiversity enhancements have also been added:

We intend to complete the planting outlined no later than by the end of the 2026/27 planting season (November to March).

√	**Measure**	**Plan**	**Details**
	Boxes. (state type and number) Please make sure they are currently available to buy.	Submit a plan of location and photos of elevation if available.	Height or aspect
	Bird and bat boxes. Working with volunteers we have created a number of bird and bat boxes that will be sited across the Lodge Valley Park area to create additional habitats	SEE BELOW	In trees, above 4m from the ground.
	Hedgerow. Total new or restored length.	Submit plan of location.	Calculate number of each species using information in the guidance above. Ensure that you can easily purchase the species proposed.
	Dead hedge works have been carried out on the LVP space. Approx 50m of dead hedge have been created through our coppicing works. We plan to have 5 or more areas of coppicing established across the parkland space over the next few years. Also there are plans for new hedgerows to be planted in a number of different spaces across the wider site to create new habitats and increase biodiversity over time.	SEE BELOW	• Blackthorn (*Prunus spinose)* Hawthorn (*Crataegus monogyna)* Hazel (*Corylus avellana)* and/or Field Maple *(Acer campestre);* and • Holly (*Ilex aquifolium),* Field Rose *(Rosa arvensis),* Gooseberry (*Ribes uva-crispa),* Bird Cherry *(Prunus padus)* Dog Rose *(Rosa canina)*

	Tree/orchard planting. Number of trees.	Submit planting plan.	Size of tree (at time of planting), species (full latin name) and any proposed protection measures.
	We are working in partnership with Nightingale House to create a memorial woodlands for families to sponsor. The aim of the project is to plant up to 800 new native trees on LVP. A new orchard is planned for the site using Welsh heritage species of trees.	SEE BELOW	**Blackthorn** – *Prunus spinosa;* **Black poplar** – *Populus nigra;* **Cherry (bird or wild)** *Prunus padus/Prunus avium;* **Crab apple** – *Malus sylvestris;* **Dogwood** – *Cornus sanguinea;* **Field maple** – *Acer campestre;* **Hawthorn** – *Crataegus monogyna*; **Hazel** – *Corylus avellane;* **Oak (English or sessile)** *Quercus robur/Quercus petraea;* **Rowan / Mountain ash** – *Sorbus aucuparia*
	Wild flower grassland (area in m2).	Submit plan of location.	Species mix and site preparation details. Confirm that appropriate management is achievable.
	As part of the ongoing management of the wildflower meadow on Miller Field we intend to add additional native species of seed mix, such as Emorsgate EM2. Approx. 2,000m2	SEE BELOW	Strimming/scything back the vegetation in selected areas to a very short height and cultivating the ground prior to sowing seed/adding green hay in spring or autumn; this can be repeated in following years to introduce wildflower to more areas, or in areas where species have failed to thrive. Scything is carried out on this space as a traditional method of managing the wildflowers. The space has been scythed for the past 2 years in preparation of further works to be carried out here.
	Pollinator shrub planting. Area in m2.	Submit plan of location.	Species proposed (latin names)
	There are numerous areas of LVP where gorse and broom grows creating habitats and providing pollen for species throughout the year	SEE BELOW	
	Wildlife ponds. Number of.	Submit plan to scale including cross-section.	Details on lining or any proposed planting.
	At the lower end of LVP there is a reed bed. Works have been carried out to improve the		

	quality of this space and further management will enhance the quality of this habitat.		
	Hibernacula. Number of.	Submit plan of location.	Brief description of materials proposed.
	There are plans to create further habitats across the Lodge Valley Park through our management plans. These include bug hotels, further dead hedges and hedge rows	SEE BELOW	
	Any other measures.		
	Works have taken place and further planned to improve the footpaths and entrances to LVP with the aim to encourage public access of the site.		We are positioning interpretation boards throughout the site which will include information for visitors to help them understand the ecology in the parkland. Our staff and volunteers have attended a woodland management course that included learning about coppicing. This is part of plans for creating a mosaic of different habitats across the LVP.

6. **Management and maintenance.**

Any information on the long term management and maintenance of the enhancements.

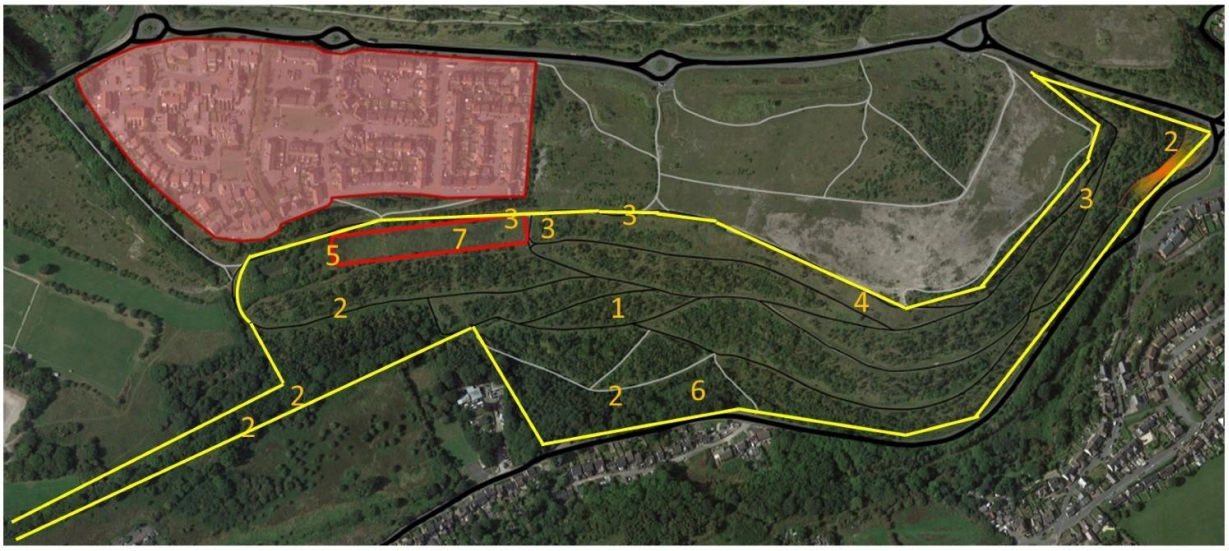
We have worked with feedback from Enfys who are our appointed ecologists, working with us for the long term. We intend to use traditional methods of woodland management and to this end have partnered with Woodland Classroom to help us introduce coppicing techniques into our works and dead hedge laying. A tree survey of the Miller Field and old railway section of path to the north has been carried out by Sherratt Group Ltd with works implemented by them and further planned. We have an established ecology group made up of volunteers who help with practical tasks to manage the site and feed into the management plans, they have a strong set of qualifications and experience. Our organisation has an existing 10 year management plan of the green spaces that make up our sites. This will now be extended to a 25 year management plan now the lease for the land has been agreed for a 25 year period initially.

7. **Conclusion**

Based on the information provided above, this development will result in a **Green Infrastructure and Net Biodiversity Benefits** upon completion.

8. **Sketch plan** (Insert plan showing the features of the development site):


RHODFA MILLER/MILLER ROAD
MILLER VIEW
Path (um)
Track



1—Memorial woodland: planting of up to 800 trees

2—plans to locate bird and bat boxes

3—existing or planned hedgerows or dead hedges

4 –creation of new orchard planned

5 - wildflower meadow

6 - reed bed

7 - tree planting to form screen

Lodge Valley Park boundary

Miller Field boundary for application