

Wood Walk, Hoyland, Barnsley Biodiversity Enhancement Management Plan (BEMP)

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1. Introduction

1.1 Background

1.1.1 Ecus Ltd (Ecus) was commissioned in July 2023 by Yelcon Construction to produce a Biodiversity Enhancement Management Plan (BEMP) for a proposed development associated with land north of Wood Walk, Hoyland, Barnsley, centred on Ordnance Survey National Grid Reference (OS NGR): SE 37360 01717, hereafter referred to as 'the Site'.

1.1.2 Proposals for the Site involve the construction of 83 dwellings (Planning Application Reference: 2021/1150), as displayed in the Enjoy Design '*Proposed – Site Plan*' Ref: 00-001, drawn July 2021; and soft landscaping drawings by Above Zero '*Soft Landscape Layout Plan 1-4*' Ref: 064.01.02, dated July 2021. This report should also be read in conjunction with a Preliminary Ecological Appraisal (PEA) report by Delta Simons (Report Ref: 16-0406.07, dated August 2021).

1.1.3 The BEMP has been produced to inform the discharge a planning condition for Application 2021/1150 from the Barnsley Metropolitan Borough Council Local Planning Authority. The Planning Condition number 25 states:

"Prior to commencement, a Biodiversity Enhancement Management Plan (BEMP) which would include the following shall be submitted to, and approved in writing by the Local Planning Authority:

- a plan of the areas to be maintained, enhanced and/or created;*
- a schedule of actions to create or enhance and maintain each habitat at the required quality for a period of 30 years;*
- a schedule of ecological monitoring for the 30 year period identifying when key indicators of habitat maturity should be achieved. Monitoring would be required within years 2, 5, 10, 20 and 30;*
- schedule of actions to be undertaken in case signs of failing are identified.*
- the schedules must include details of technique(s) to be used, equipment to be used, roles and relevant expertise of personnel and organisations involved and timing of actions including submission of monitoring report to the Council. Thereafter the approved scheme shall be carried out in accordance with the approved details and timescales. Reason - the interests of the visual amenities of the locality and in accordance with Local Plan Policy BIO1"*

1.1.4 This BEMP focusses on the operational phase of the development (i.e. the long-term impacts of the development on biodiversity) and how the Site can be enhanced for biodiversity. The impacts of the development are addressed in the aforementioned PEA report.

1.2 Site Context

- 1.2.1 The Site is situated to the north of Wood Walk in Hoyland, Barnsley, S74 9SQ and covers an area of approximately 3.7 hectares (ha). To the north of the Site is the Dearne Valley Parkway (A6195), to the south is the B6096, to the west is an open field and to the southwest are residential properties.
- 1.2.2 Habitats currently present at the Site include arable left fallow field, plantation broadleaved woodland, dense scrub, bare ground, improved grassland margins and improved grassland with ruderals, as well as species-poor hedgerow (as shown in '*Phase 1 Habitat Survey Plan*' by Delta Simons, Figure 1).
- 1.2.3 Surrounding the Site to the north and east are small strips of woodland separating the Site from the roads A6195 and B6096. To the west of the Site is a grassland field, and residential properties with gardens to the southwest. In the wider area to the north and east is agricultural land and woodland; to the west is more fields and residential properties and to the south is the main part of the town of Hoyland.

1.3 The Proposed Development

- 1.3.1 The proposals for the Site are displayed within the '*Proposed – Site Plan*' (Appendix 1) and the soft landscaping proposals in the '*Soft Landscape Layout Plan 1-4*' (Appendix 2-5). The development includes the construction of 83 dwellings and associated works. The woodland and hedgerows (mostly) will be retained (also see '*Wood Walk Hoyland – BS 5837:2012 Arboricultural Report, Impact Assessment and Method Statement*', dated August 2023 by Ecus); shrubs, hedgerow species and trees will be planted at the Site (see Above Zero '*Planting Schedules and Outline Specification*', Ref: 064.01.06, drawn August 2021) (Appendix 6), along with amenity grassland and wildflower and grassland meadow mixture planting.

1.4 Proposed Landscape

- 1.4.1 The proposed planting has been produced by Above Zero Landscape Architecture and is shown on drawing numbers: 064.01.01 to 064.01.07. The scheme comprises of ornamental hedgerow planting and street trees to property frontages, where space permits; mixed native hedgerow and tree planting to public areas. Amenity grass or wildflower meadow is proposed within the public open spaces. The proposals seek to retain the two existing on-site trees (T1 and T2) as well as the existing woodland around the periphery of the site and to the east (being trimmed locally as required). Note that T1 is referred to as T012 within the Arboricultural report.

1.5 Potential Impacts

- 1.5.1 The PEA identified that post-construction and long-term impacts of the development relate to protected and notable species, namely badgers *Meles meles*, bats *Vespertilionidae sp.*, hedgehogs *Erinaceus europaeus* and nesting birds; as well as the habitats present at the Site which the above utilise, e.g. hedgerows. The retained habitats are displayed within Biodiversity Protection Zones as shown in Figure 2.

2. Biodiversity Enhancement and Management Plan

2.1 Overarching Objectives

2.1.1 Once construction has been undertaken on Site it is important to include biodiversity within the operational phase to ensure that the Site can still be utilised by wildlife, with features being installed during the construction phase as part of the enhancement and mitigation measures. This BEMP will aim to enhance the Site for biodiversity and to satisfy the Planning Condition number 25 stipulated by the Local Planning Authority.

2.1.2 The key ecological management objectives to achieve this aim are described as follows:

- Planting should aim to enhance retained or adjacent vegetation and be of native species, or those of known value to wildlife, sourced from local nurseries to enhance foraging opportunities for local birds and bats, by increasing the invertebrate diversity on-Site. It is recommended that where trees are planted, they have a functional understorey. Where possible, infill boundary species-rich hedgerow planting with trees should be undertaken to enhance it for dispersing, foraging, and sheltering wildlife; and
- Installation of bird nest and bat boxes on trees to be retained around the Site. Alternatively, bat and bird boxes should be installed on 10% of the new properties or their garages, where present.

2.1.3 The proposed plant schedule is detailed in the '*Planting Schedules and Outline Specification*'. The species present are limited in nativity, it is recommended that a higher proportion of new planting (minimum 80%) is of native species to the UK.

2.1.4 As only two trees were identified within the Site outside of the woodland parcels, it is considered appropriate to install bird nest and bat boxes onto the new properties and/or garages.

General Measures

2.1.5 Signage, such as information boards at the Site, will be utilised to promote local awareness of biodiversity and key habitat features and any species-specific and habitat enhancement to be provided within the development (e.g. log piles, bat boxes, bird boxes, shrub planting).

2.1.6 Two A3 sized signs will be installed at the Site and will inform readers of biodiversity enhancement measures undertaken as part of the development.

2.2 On Site Habitats

Hedgerows – Intact and Defunct Species-Poor Hedgerow

- 2.2.1 Any hedgerow loss, according to the site layout will involve a small section to the south of the Site (H4 in the PEA report), will be compensated through new native shrub/hedgerow planting, including hawthorn *Crataegus monogyna*, hazel *Corylus avellana*, holly *Ilex aquifolium* and guelder-rose *Viburnum opulus*. This will be included within the existing hedgerows at the Site as well as new hedgerows associated with dwellings.
- 2.2.2 Retained and new hedgerows will be managed for their value to biodiversity, and be left to grow, where practical. Hedgerows along the Site boundaries and the Public Open Space (POS) will be cut on rotation no more regularly than every three years as flower buds often form on second year growth, with the tops cut more frequently if required. Therefore, a given hedgerow will be cut every three years, with different hedgerows at the Site managed in different years.
- 2.2.3 Trimming of native hedgerows to an 'A' shape maximises cover and protection for fauna while allowing light to reach ground flora.
- 2.2.4 Management will avoid the peak nesting bird season (March – August inclusive) with January and February being the most favourable months for hedgerow cutting to retain berries through the autumn and winter for foraging birds.

Arable

- 2.2.5 The whole of the arable field habitat will be a lost to the proposed development, including dwellings, associated hardstanding, road infrastructure and amenity grassland.

Dense Scrub

- 2.2.6 Dense scrub is currently present to the east of the Site, which will be incorporated into a new area of POS, adjacent to areas of new wildflower and meadow grassland. New shrub planting will be undertaken as part of the hedgerow planting.
- 2.2.7 New shrub planting will be kept free of weeds by careful and targeted application of weed killer three times per year until the shrub canopies have enclosed. Management of this shrub after five years will be reduced to allow semi-natural vegetation growth which will provide increased food sources for birds and invertebrates and suitable nesting bird habitat at the Site. A list of species for planting are shown in the '*Planting Schedules and Outline Specification*' plan.

Broadleaved Plantation Woodland

- 2.2.8 The broadleaved plantation woodland to the east of the Site will be retained. No new woodland will be created however 84 new trees ('*Planting Schedules and Outline Specification*') will be planted around the Site consisting of China girl *Cornus kousa*, evereste *Malus 'Evereste'*, flagpole cherry

Prunus amanogawa, forest pansy *Cercis canadensis*, Joseph rock *Sorbus spp.*, Paul's Scarlet *Crataegus laevigata*, pedunculate oak *Quercus robur*, Robin hill *Amalanchier arborea*, rowan *Sorbus aucuparia* and sunset boulevard *Prunus serrulate*.

- 2.2.9 The woodland surrounding the Site is not anticipated to require removal, and only trimmed locally where required.

Trees

- 2.2.10 Two trees (outside of the woodland) are located within the Site which are proposed to be retained (T1 and T2) as identified within the PEA report.

2.3 Protected Species

[REDACTED]

- 2.3.1 [REDACTED]
[REDACTED]

- 2.3.2 [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Bats

- 2.3.3 T1 and a telegraph pole were identified as displaying Low suitability for roosting bats. The Potential Roosting Features (PRF) on T1 were recorded as broken limbs and rot holes, with the telegraph pole being recorded as a fissure along its eastern aspect, which was considered wide enough for bat access.
- 2.3.4 The provision of bat roosting opportunities will enhance the value of the Site for these species. Integrated bat boxes for buildings (e.g. Habitat Integrated Bat Boxes) will be used to increase roosting opportunities for bats at the Site. These are the favoured option as they are permanent features, which can be designed to blend in with the exterior appearance of a given property. One integrated bat box will be incorporated into nine residential properties to be located on the south, south-eastern or south-western aspects as displayed in Figure 3.
- 2.3.5 Finalised positions will be micro-sited to avoid doorways or windows beneath, avoiding external lighting and with clear flight paths to the box entrances free from clutter and obstacles. No specific maintenance is required as droppings from bats occupying boxes will rapidly disintegrate when falling out when exposed to the weather. All positioning and installation will be in line with Bat

Conservation Trust (BCT) Guidelines.

- 2.3.6 Planting of new hedgerow, shrub and trees (see '*Soft Landscape Layout Plan 1-4*') will provide additional foraging and commuting habitats for bats. These are required to maintain and/or enhance habitat connectivity within the Site and to off-site habitats as part of a wider wildlife corridor. Some of these proposed species, such as rowan attract insects which in turn will support foraging bats.
- 2.3.7 To maintain the value of hedgerow and boundary/linear habitats for foraging and commuting bats, a sensitive lighting scheme will be required to avoid direct lighting on these features which may deter bats from utilising them. The lighting scheme will be developed by a lighting engineer in close consultation with a suitably qualified ecologist who will need to review the plan and lighting specifications. In line with recommendations in the Bat Conservation Trust Guidance Note (08/18, BCT ILP), light spill onto boundary/linear features will be limited to 5 lux or lower as far as is practical.

Birds

- 2.3.8 The PEA identified suitable nesting habitat for birds within the hedgerow, scrub, trees and woodland, as well as the arable fallow for ground nesting birds.
- 2.3.9 The provision of bird boxes (integrated features for buildings) within the development will be included to enhance opportunities for wildlife at the Site.
- 2.3.10 One integrated bird box will be incorporated into nine residential properties to be located avoiding true-south orientations to avoid the risk of overheating, as displayed in Figure 3. This will be a combination of brick box and swift bricks, as described below.
- 2.3.11 Bird boxes are to be incorporated at a minimum height of 3 m above ground level, in line with British Trust for Ornithology (BTO) guidance. These will include a mixture of boxes suitable for a variety of species (e.g. Schwegler Type 24 Brick Box – 32 mm entrance bird boxes). These will face areas of hedgerow and other suitable foraging habitat to increase the potential for birds to utilise the new bird boxes.
- 2.3.12 Swift bricks, such as Schwegler swift bricks, are to be incorporated into the new buildings to provide enhancements for this species. Swift bricks will be located at least 5 m above ground level, in less disturbed areas, out of direct sunlight and prevailing weather conditions, with an uncluttered and unobscured flight path. Placement of bricks will be placed in groups of two with a minimum of 1 m between boxes.
- 2.3.13 In the longer term, planting of new hedgerow, shrub and trees as part of the linear habitats and

wildlife corridors, will provide additional nesting and foraging opportunities for birds at the Site. Planted trees which produce berries will include Paul's Scarlet and rowan, providing early spring foraging opportunities.

Invertebrates

- 2.3.14 Several common invertebrate species will benefit from the landscape proposals through the provision of additional hedgerow and plants, in addition to seasonal nectar sources. This in turn will provide food sources for bats and birds as identified in the PEA report.
- 2.3.15 Bee bricks are to be installed into five dwellings, located approximately 1 m from the ground on south-facing aspects, with direct access to flowering plants for foraging. The openings to the bee bricks will also be kept clear with vegetation and any planting will avoid tall-growing plants beneath these installed bricks (Figure 3)
- 2.3.16 Five insect towers (e.g. Schwegler Insect House) are to be installed onto south-eastern facing dwellings, fences/walls or gardens structures, with nearby vegetation (Figure 3).
- 2.3.17 Any felled materials could be retained and used on Site to create new log piles and hibernacula away from roads and footpaths. Deadwood habitat would provide suitable habitat for invertebrates (e.g. stag beetle *Lucanus cervus*), which rely on dead or decaying wood for foraging.
- 2.3.18 Shrubs and trees planted around the Site provide pollination potential and nectar source for bees and other pollinators.

West European Hedgehog

- 2.3.19 Ten hedgehog houses will be placed around the Site, out of view and access to the general public (and dogs) as shown on Figure 3. These will be placed under cover, such as shrub or hedgerow to provide access to safe commuting routes and foraging habitat.
- 2.3.20 The fencing around and within the Site will involve a combination of Knee Rail Fencing, Perimeter Brick Wall with Piers & Timber Infill Panels, Perimeter 1800 mm High Close Boarded Fence, Perimeter 2500 mm High Close Boarded Fence, as well as retaining walls; as displayed in the 'Proposed Boundary Treatments Plan' Drawing No. 18030-90-10, dated September 2022 and drawn by Enjoy Design. There will also be Perimeter Acoustic 3000 and 4000 mm High Barrier (1000 mm Bund & 2000 mm Fence and 2000 mm Bund & 2000 mm Fence respectively). Installation of holes (at least 130 mm x 130 mm) will create "hedgehog highways" through the development to allow movement of hedgehogs within and onto/off-Site. Fence plates around the holes can be installed, in order to deter homeowners/tenants from blocking holes in the future.

3. Management Responsibilities

3.1 Introduction

- 3.1.1 This report is intended to satisfy the Local Planning Authority condition and to ensure biodiversity enhancement at the Site.
- 3.1.2 Management of habitat will be detailed in the 30-year management prescriptions created by a landscape architect. Yelcon Construction will install the habitats at the Site, which will then become part of the Management Company's ownership and maintenance package.
- 3.1.3 Following the initial development of the Site, it is expected that the first 12-month planting maintenance will be the responsibility of the landscape sub-contractor as appointed by the developer.
- 3.1.4 Monitoring will take place within years 2, 5, 10, 20 and 30 with the maintenance regime/management plan being continually updated to reflect changes as required.

3.2 Plant Replacement

- 3.2.1 Plants, flowers, shrubs or trees that fail to establish within five years are to be replaced in the following planting season with others of similar size and species unless written consent is provided by the Local Planning Authority to agree amendments to the previously approved details.
- 3.2.2 Following five years after the first occupation of the development, a Site inspection is recommended to record Site conditions and determine if replacement planting or compensatory planting is required to maintain sufficient wildlife enhancement that complies with the original objectives.
- 3.2.3 Following the initial five-year period, it is recommended that the enhancement schedule is checked and updated (if necessary) to reflect the Site conditions for future years. Works will only be undertaken with agreement with the client and Local Authority.
- 3.2.4 These measures will become the responsibility of the Management Company as part of the ownership and maintenance package payment.

3.3 Ongoing Monitoring and Remedial Measures

- 3.3.1 The management and enhancement plan will be continually monitored and reviewed annually with any agreed changes incorporated into the following years' schedule after consultation with the Local Planning Authority.

4. Maintenance Schedule and Specification

4.1 Introduction

- 4.1.1 The schedule detailed in Table 1 outlines the key objectives for each enhancement feature within the Site. No information regarding a planting and maintenance schedule has been provided at the time of this report, however Ecus has provided recommendations below where appropriate.
- 4.1.2 The schedule outlines recommended maintenance operations, timings and recommended frequency per annum to achieve these objectives. The schedule details operations that are recommended for the establishment phase up to five years following implementation and also requirements for the mid-long term.
- 4.1.3 The enhancement plan is to be carried out as approved to ensure the success of the enhancement features.

4.2 Standards and References

- 4.2.1 All maintenance operations will be undertaken in accordance with the following best practice guidance:
- BS3998:2010 Tree Works Recommendations;
 - BS7370-4: 1993 Grounds maintenance. Recommendations for maintenance of soft landscape (other than amenity turf); and,
 - Any other current UK and EU standards.

4.3 Implementation of the Maintenance Works

- 4.3.1 Planting will be maintained by the landscape contractor for a minimum of 12 months following planting, with any plants that fails to establish within a period of 5 years from the completion are to be replaced in the next planting season with the same size and species unless written consent is provided by the Local Authority to vary the approved details. Any seeding that fails to establish within a period of 5 years from completion or occupation is to be re-seeded the following seeding season.
- 4.3.2 Maintenance of the landscape areas shall be undertaken by a competent Landscape Contractor, registered with the British Association Landscape Industries (BALI).
- 4.3.3 Maintenance visits will be undertaken at minimum monthly intervals (i.e. 12 visits annually) for a period of five years. Increased visits for certain tasks may be required, e.g. fortnightly grass cuttings in March-September (inclusive).

- 4.3.4 The landscape maintenance of the Site is to be carried out to a high standard at all times and in accordance with the schedule and specifications within this enhancement plan and specific details provided within the detailed landscape scheme when this is available.
- 4.3.5 The contractor shall ensure that the Site is left tidy and safe following all maintenance works. All arisings are to be removed from Site in accordance with the maintenance schedule.
- 4.3.6 The contractor shall programme their visits to coincide with appropriate weather conditions for undertaking maintenance operations, including use of chemicals and grass mowing. Grass mowing in excessively wet conditions will not be undertaken.
- 4.3.7 Records of all maintenance visits are to be completed by the maintenance contractor and will be submitted to the Client to review every six months.
- 4.3.8 The maintenance contractor shall ensure that chemical applications are undertaken by trained personnel only with the appropriate National Proficiency Tests Council (NPTC) certificates and in accordance with the manufacturer's recommendations. The '*Code of Practice for the Safe Use of Pesticides for Non-agricultural Purposes*' will be observed where applicable. The use of chemicals shall be included in the maintenance records as described above.
- 4.3.9 The contractor will notify the Client immediately to any significant pest or disease problem affecting plant stock and devise a suitability strategy for treatment and agreed with the Client. Any suspected non-native invasive plant species must also be notified to the Client.

Table 1: Maintenance and Implementation Schedule

General maintenance requirements to all planted areas, unless otherwise stated in the Landscapes Architect Management Plan	To maintain high standard planting scheme across Site and ensure healthy establishment of plants to achieve landscape character and benefit biodiversity.	1	Inspection.	March – September	Annually	Year 6+
		B	Inspect tree stakes, ties and shelters and replace where necessary. Remove in Year 5.	As required and after strong winds	Monthly. In Year 5 – Remove	-
		C	Watering - during establishment and to ensure continued thriving.	As necessary during dry spells, or indicated in the detailed schedule below	As required – more frequently in dry spells during April – September	-
		D	Refirm new tree / shrub planting.	February and after strong winds	Annually and as required following inspection	-
		E	Removal of debris and litter.	Throughout	Each maintenance visit	Each maintenance visit
		F	Plant replacements and reinstatement to Year 5 when instructed.	November to March	Annually next following planting season	-
		G	Fertiliser.	March	Annually	-
		H	Spread 50 mm mulch depth	November	Annually	-
Existing Trees (T1 and T2) and Woodland	To ensure continued healthy growth of trees and safety of the site.	A	Inspect to record pests and diseases, deadwood, impaired physiological and structural condition	Late spring/summer and following severe weather (heavy snow, strong wind)	Annually	Annually
		B	Tree management operations or removal as required (observing Tree Preservation Orders and Conservation Areas as well as wildlife legislation)	As necessary in winter or immediately following receipt of inspection report if urgent action is required	As required	As required
Proposed Native Hedgerows	To ensure the healthy establishment of new hedgerows. To encourage bushy side growth of hedgerow and maintain A- shaped profile once established. To provide more fruit, berries, flowers and nesting opportunities. To protect from rabbit damage during establishment phase.	A	Establishment pruning- heavy trim sides first year to encourage bushy side growth followed by light trimming to sides until established.	November- February	First year	-
		B	Trimming- alternate sides on an annual basis to promote berries / fruit	November- February	Once, annually on alternate sides, from Year 2 onwards	-
Amenity Grassland	Good sward of even colour and smooth gradients. Height maximum 50mm	A	Reinstatement of eroded / damaged areas.	May-September	As required	As required
		B	Cutting, remove arisings, trim edges and collect trimmings-remove	April-October Note: allow six weeks between end of flowering to cutting bulbs areas. Note: Ox-Eye Daisy drifts flower from end of May do not cut until end of August.	15 visits. Maintain 50-70mm height. Approx. every 2 weeks in growing season.	As required

		C	Reforming edges to paths	Autumn	Annually	Annually
		D	Fertiliser- Spring	April	Annually	-
		E	Fertiliser- Autumn	October	Annually	-
		F	Light scarification / raking	March	Annually (if required)	-
		G	Weed control	March - October	As required	As required
Wildflower and Meadow Grass	Maintain to achieve the greatest species diversity. Prevent future encroachment by scrub/ saplings. Control coarse grasses from outcompeting perennial wildflowers.	A	Year 1 Establishment cut (mow all plant growth to a height of 40-60mm). Don't cut until mid-late summer. Remove cuttings if dense	July – August	1	-
		B	Continue cutting through to the end of March the next year. Dig out any residual perennial weeds such as docks.	September-March	Up to 6 times	-
		C	Cutting to 50mm (after establishment). More suitable for deeper soils July - August: After flowering take a 'hay cut'. Leave 'Hay' to dry and shed seed for 1-7 days then remove from site. September - October: Mow/graze the re-growth and remove clippings. March - April: Mow/graze the re-growth and remove clippings. On poor shallower soils one or two cuts at the end of the summer, or occasional light grazing, may be all that is required to maintain diversity and interest	July / August, September / October and March / April	3	-
Existing Scrub	To ensure that scrub establish and remain in a healthy condition.	A	Establishment maintenance (weed control, fertiliser, guards, refirming, formative pruning).	As necessary following inspection	Annually	As required
		B	Maintain 1 m diameter weed free area, adjust soil and maintain depth of mulch.	As necessary following inspection	Annually	-
		C	Formative pruning to prevent encroachment of scrub into adjacent habitat.	As necessary following inspection	Annually	Annually
Proposed Ornamental Hedgerows	To maintain a neat level height appropriate for species. To control weed growth.	A	Pruning to encourage best display of given species, taking into account of natural habit and form:	-	-	-
			a) Winter flowering	Prune Spring	Annually	-
			b) Shrubs flowering between March and July	Prune immediately after flowering	Annually	-
			c) Shrubs flowering between July and October	Prune back to old wood in winter	Annually	-
		B	Weed Control	March- September	As required	-
		C	Soil aeration	April	When required	-
		D	Soil level readjustment/ edging	Spring	Annually	-
Existing Woodland	To encourage bushy side growth of hedgerow and	A	Maintain a 1m weed free strip using glyphosate	April and August, During windless weather	Twice a year	As required

	maintain shape once established.	B	Trimming	November- March	Every two years	As required
Existing Hedgerows	To maintain existing hedge to A-shaped profile	A	Trimming- alternate sides on an annual basis to promote berrying/ fruit	November- February	Once annually on alternate sides	-
Proposed Trees	To ensure that trees establish and remain in a healthy condition	A	Establishment maintenance (weed control, fertiliser, tree guy wires, refirming, formative pruning)	As necessary following inspection	As required	-
		B	Maintain 1m diameter weed free area, adjust soil and maintain depth of mulch	As necessary following inspection	As required	-
Proposed Ornamental Shrub Planting	To provide attractive and healthy landscape year-round. To create healthy attractive plant mixes. To control weed growth.	A	Pruning to encourage best display of given species, taking into account of natural habit and form:	-	-	-
			a) Winter flowering	Prune Spring	Annually	-
			b) Shrubs flowering between March and July	Prune immediately after flowering	Annually	-
			c) Shrubs flowering between July and October	Prune back to old wood in winter	Annually	-
		B	Thinning	As necessary following inspection	Annually if required	-
		C	Weed Control	March- September	As required	-
		D	Soil aeration	April	When required	-
		E	Soil level readjustment/ edging	Spring	Annually	-
		F	All herbaceous perennials and ornamental grasses that die back in winter to soil level can be cut back in autumn and winter, using the following guidance: •Using a knife, shears or secateurs, cut stems close to the 'crown' or dormant base of the plant •If there is any young growth, cut to just above it •Take the opportunity to remove weeds, digging out those with thick or fleshy roots •Cut back perennials that produce leaves and flower stems from below the soil level, to soil level •Less severely cut back perennials showing new basal shoot growth (e.g. Sedum) •Any attractive dead stems or flower heads can be left until early spring to provide structural interest throughout the winter. •Separate and dispose of diseased material (showing signs of leaf-spots, mildew and rusts, for example).	Autumn / Winter	Annually	-
		G	Evergreen perennials are not to be cut back but should be tidied during spring and summer by removing dead foliage.	Spring and Summer	Annually	-
		H	Thinning herbaceous perennials	Spring	As required	-

		I	Maintain climber growth and train along wires where necessary.	March - September	As required	-
Insect towers, bee bricks & hedgehog houses	To provide shelter and breeding opportunities for a range of invertebrate species and hedgehog.	A	Repair and replace any insect towers and hedgehog houses if found to be damaged or missing.	As necessary following inspection	Annually	Annually

5. References

Bat Conservation Trust. Wild About Gardens - Stars of the Night guide. Retrieved from https://cdn.bats.org.uk/uploads/pdf/Resources/Stars_of_the_Night.pdf?v=1541085354

Barnsley Metropolitan Borough Council Planning Portal. Retrieved from <https://wwwapplications.barnsley.gov.uk/PlanningExplorerMVC/Home/ApplicationDetails?planningApplicationNumber=2023%2F0171>

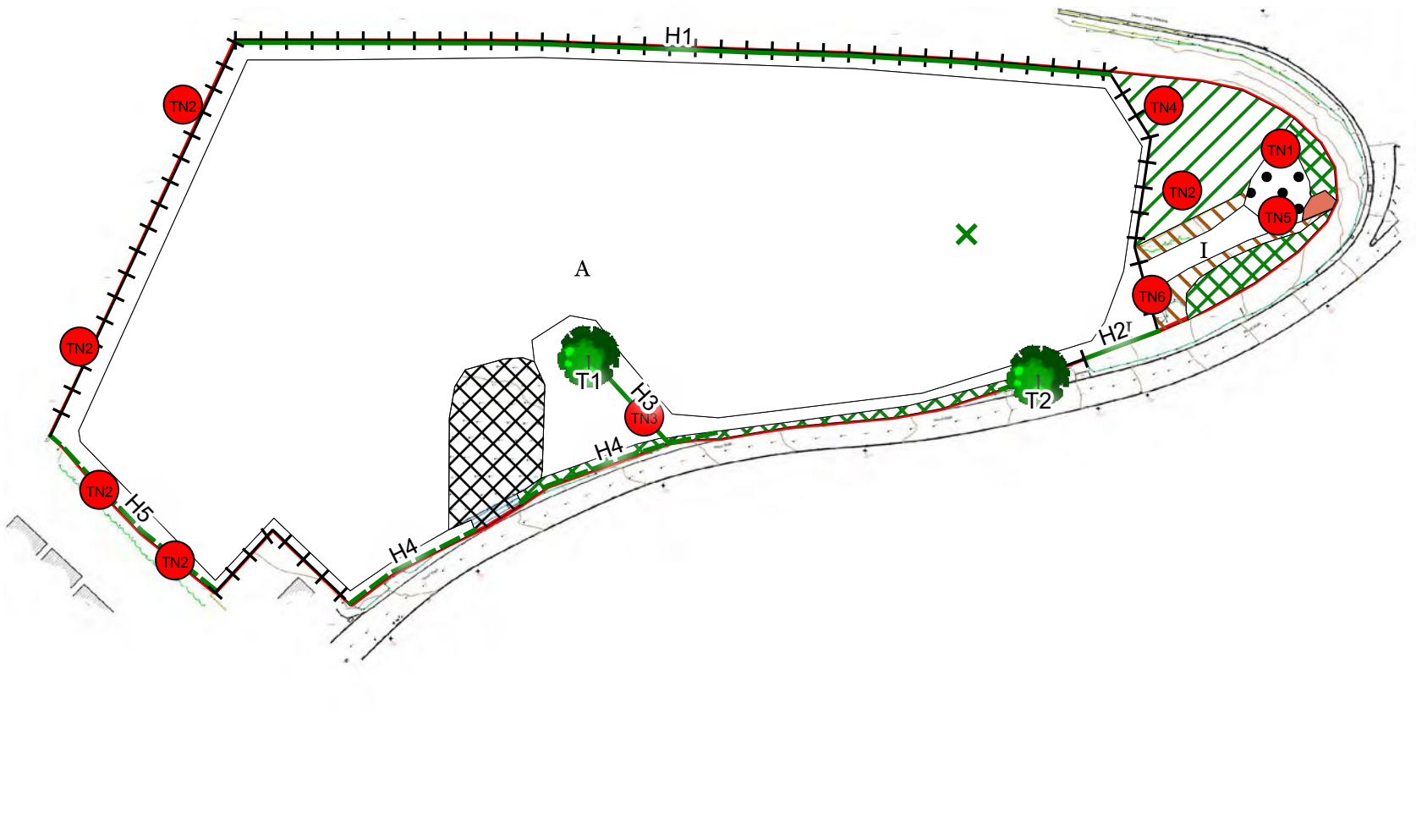
British Trust for Ornithology - Putting up a nest box. Available from: <https://www.bto.org/how-you-can-help/providing-birds/putting-nest-boxes-birds/putting-nest-box#:~:text=Height%20from%20the%20ground%20should,of%20a%20shed%20or%20wall>

Delta Simons (2021). *Preliminary Ecological Appraisal*. Report Ref: 16-0406.07

Ecus Ltd (2023). 'Construction Environmental Management Plan: Biodiversity'.

Ecus Ltd (2023). 'Wood Walk Hoyland – BS 5837:2012 Arboricultural Report, Impact Assessment and Method Statement'.

Figure 1: Phase 1 Habitat Plan



LEGEND

- Site Boundary
- × Scattered scrub
- Scattered broadleaved trees
- TNX Target note
- Intact species-poor hedgerow
- Defunct species-poor hedgerow
- Fence
- Broadleaved plantation woodland
- Dense scrub
- I Improved grassland
- Tall ruderals
- A Arable
- Bare ground
- Hardstanding
- Bracken

Site Plan Provided by Client

TITLE:
Phase 1 Habitat Survey Plan
Wood Walk, Hoyland
Barnsley

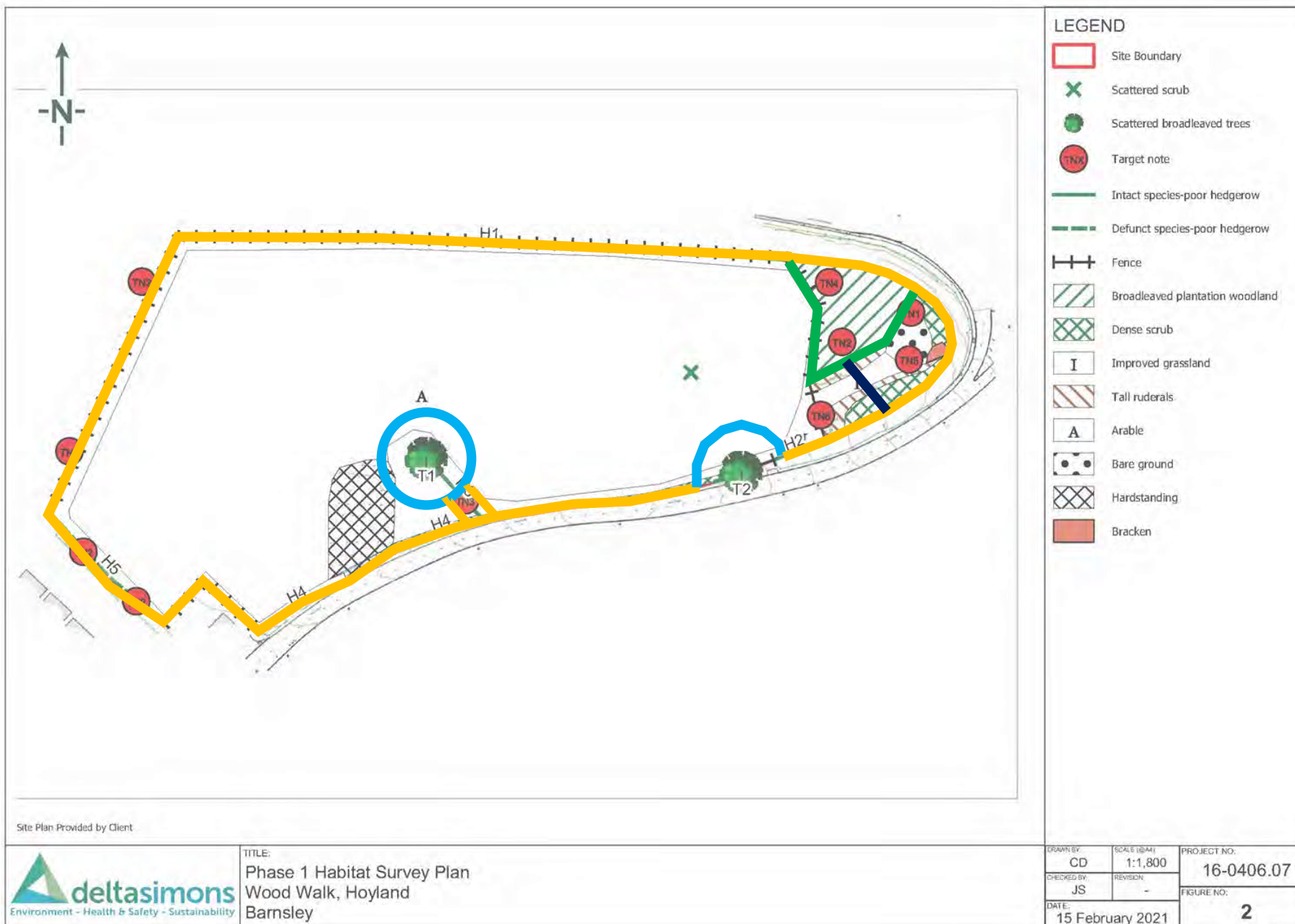
DRAWN BY: CD	SCALE (@A4): 1:1,800	PROJECT NO: 16-0406.07
CHECKED BY: JS	REVISION: -	FIGURE NO:
DATE: 15 February 2021		2

Figure 2: Biodiversity Protection Zones

Legend

-  Boundary Fencing (including hedgerows)
-  Woodland Fencing
-  Tree Fencing
-  Grassland and Future Public Open Space Fencing

NB. All Biodiversity Protection Zones and Fencing Locations are indicative.



CDM

GENERAL NOTES

- Drawing for Planning purposes only
- Building / Site Layout originally produced by Enjoy Design
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- Report any discrepancies and omissions to Ecus Ltd
- This drawing is Copyright
- All details subject to approval by the local authority for the discharge of relevant planning conditions.

3RD-PARTY INFORMATION NB This drawing includes information provided by independent surveyors and / or consultants, to whom all queries shall be made. Ecus Ltd can accept no liability for its context or accuracy.

DESIGN Unless stated otherwise, the designs shown are subject to detailed site survey, investigations, and legal definition, the CDM regulations and the comments and / or approval of the various relevant Local Authority Officers, Statutory Undertakers, Fire Officers, Engineers and the like. They are copyright, project specific and confidential. No part is to be used or copied in any way without the express prior consent of Ecus Ltd.

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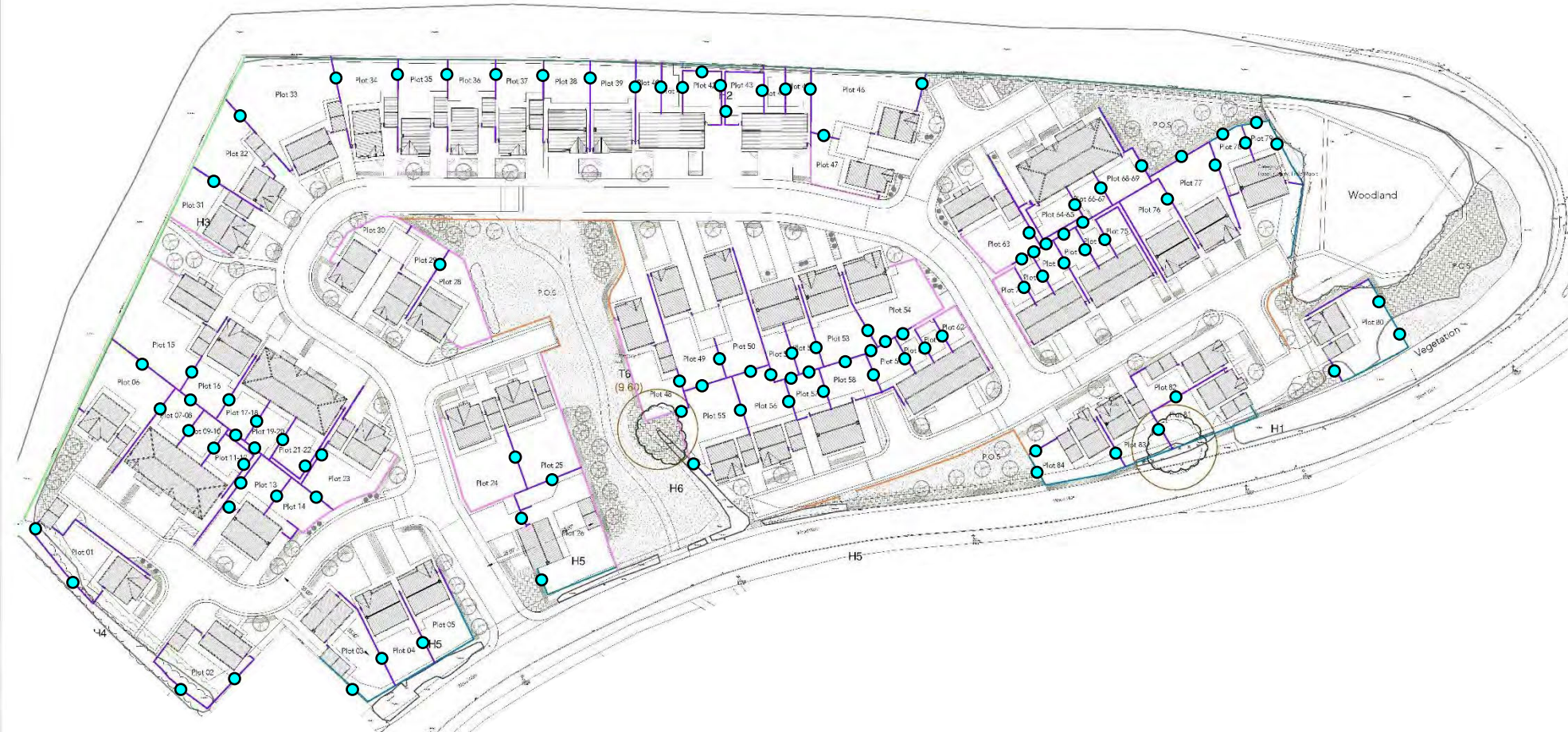
Figure 2. Biodiversity Protection Zones
Page 2 of 2

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Figure 3: Biodiversity Enhancement Plan

Legend

 Hedgehog Highway Holes



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Figure 3. Biodiversity Enhancement Plan
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CDM - Risks / Hazards

1. All swift and bat boxes are to be attached securely following manufacturers guidelines and using sturdy screws (where applicable) supplied by the manufacturer at purchase or an equivalent.
2. Swift and bat boxes are to be microsited so that they are not directly above doors or windows, or that any droppings do not fall directly onto walkways or pedestrian entrances/exits to the building.
3. The swift and bat boxes should be checked annually to ensure the boxes are still securely in place. The checks for the swift boxes should be undertaken during Autumn/Winter (September to March inclusive) when swifts are highly unlikely to be present in the UK. Autumn and spring are suitable times to check bat boxes. Internal inspections should only be undertaken if a suitably licensed ecologist is present.

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Wood Walk, Hoyland, Barnsley

Figure 3. Biodiversity Enhancement Plan
Page 3 of 3

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Appendix 1: Proposed Site Layout

Gross Site Area					
Name	Area m²	Area ft²	Area Ac.	Area ha.	Percentage
Overall Site Plan	36057 m²	388116 ft²	8.9 acres	3.6 hectare	100%

Site Constraints/Considerations					
Name	Area m²	Area ft²	Area Ac.	Area ha.	Percentage
High Wall	8245 m²	88743 ft²	2.0 acres	0.8 hectare	83%
Existing Woodland	1664 m²	17907 ft²	0.4 acres	0.2 hectare	17%
Grand total	9908 m²	106651 ft²	2.4 acres	1 hectare	100%

Developable/P.O.S Area					
Name	Area m²	Area ft²	Area Ac.	Area ha.	Percentage
Public Open Space	4213 m²	45351 ft²	1.0 acres	0.4 hectare	16%
Developable Area	22487 m²	242053 ft²	5.6 acres	2.2 hectare	84%
Grand total	26701 m²	287404 ft²	6.6 acres	2.7 hectare	100%

Accommodation Schedule				
House Type	Quantity	Bedrooms	Area m²	Area ft²
TypeH (3Nr.)_TheBeamsley	12	2	850.4 m²	9154 ft²
TypeH (4Nr.)_TheBeamsley	4	2	284.5 m²	3062 ft²
TypeJ&K_Eastern_Kelham	18	2	1187.5 m²	12782 ft²
	34		2322.3 m²	24998 ft²
TypeA_Ingleborough	8	3	689.0 m²	7417 ft²
TypeB_Lilac	4	3	363.0 m²	3907 ft²
TypeG_Whernside	7	3	656.9 m²	7071 ft²
	19		1708.9 m²	18395 ft²
TypeC_Laurel	9	4	932.8 m²	10041 ft²
TypeD_Sandringham	6	4	752.4 m²	8099 ft²
TypeE_Harewood	3	4	371.1 m²	3994 ft²
TypeF_Winterley	4	4	393.3 m²	4234 ft²
TypeL_Buckden	10	4	1328.1 m²	14295 ft²
			3777.8 m²	40663 ft²
Grand total	30		7809.0 m²	84056 ft²
	83			

- 00 Series General Arrangement Notes
- Any areas indicated on the plans are approximate. They relate to the likely areas of the building at the current state of the design and are calculated using the stated egIMAI method from the Code of Measuring Practice 5th Edition RICS/ISVA. Any decision to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or the like, should include due allowance for design development and building tolerances. Floor areas are subject to Planning, Building Control and other statutory approvals.
 - Any structural, services or fit out detail shown is for coordination only, refer to relevant Consultants/Clients information for details.
 - Refer to Enjoy NBS for full outline performance specification of Architectural Elements.
 - THE CONTENT OF THIS DRAWING IS FOR DESIGN INTENT AND REQUIRES FURTHER DESIGN DEVELOPMENT AND COORDINATION WITH ALL RELEVANT CONSULTANTS, SUB-CONTRACTORS, SPECIALIST DESIGNERS AND STATUTORY AUTHORITIES.
- Attenuation Area_ 1,424m²
- Broadleaf Plantation Area_ 1,277m²
- Existing Hedgerow removed_ 0 linear m
- Proposed Hedgerow added / relocated_ 36 linear m
- Key**
- Vegetation - Existing
 - New Hedgerow
 - Vegetation - Removed
 - Public Open Space
 - Attenuation

Affordable houses (★)



1:200 0 2 4 6 8 10m 1:500 0 10 20 30m Contractor must verify all dimensions on site before commencing any work or shop drawings. If this drawing exceeds the quantities taken in any way the Architects are to be informed before the work is initiated. Only figured dimensions to be taken from this drawing. Do not scale off this drawing. Drawings based on Ordnance Survey and / or existing record drawings - design and drawing content subject to Site Survey, Structural Survey, Site Investigations, Planning and Statutory Requirements and Approvals. Authorised reproduction from Ordnance Survey Map with permission of the Controller of Her Majesty's Stationary Office. Crown Copyright reserved. Enjoy Design Ltd.		Notes. Residents Parking Spaces 33 Single spaces 34 Single Bay spaces 53 Double stacked spaces 35 Single Garage spaces (inc. integral) 6 Double Garage spaces 159 Total Visitor Parking Spaces 6 Visitor bay spaces 14 Visitor on-street spaces 20 Total Grand Total = 179 Spaces		P10 Updated highways layout & visitor space location CJ 24.03.2022 WD P9 Plot 27 removed. Plot 26 updated to Type F. WD 22.03.2022 WD P8 Revised fence & bund line types, shared surface area at Plot 58-61 shown CJ 04.03.2022 WD P7 Adjustments to visitor spaces and junction layout CJ 03.03.2022 WD P6 Site layout updates in line with Highways Comments, acoustic fencing updated in line with Noise Impact Assessment CJ 22.02.2022 WD P5 Acoustic Fence Added. Scrub note added. Sheds to 13, 14, 78, 79 removed WD 11.08.2021 WD Rev. Des. By Date Ch. Status:		Planning The Old Brewery High Court Leeds LS2 7ES Tel: 0113 242 3622 www.enjoy-design.co.uk		Client: Job No: Yelcon Ltd 18,030 Project: Wood Walk, Hoyland, Barnsley Title: Proposed - Site Plan Date: Scale: Checked by: 05/07/21 As indicatedBA1 WD Drawing No: Drawn By: Revision: 00-001 MH P10		ENJOY DESIGN	
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Appendix 2: Soft Landscape Layout Plan 1/4



KEY

Existing Trees and Vegetation

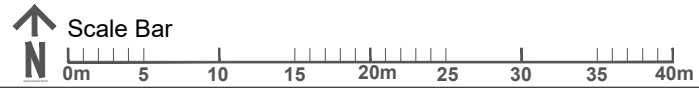
- Existing Trees
- Existing Woodland/ Hedgerows

Proposed Trees, Hedges and Vegetation

- Trees (Proposed)
(See Annotation and Schedules)
- Ornamental Planting
(See Schedule)
- Single Species Hedging
(See Annotation and Schedules)
- Mixed Species Native Hedging
(See Annotation and Schedules)
- Wildflower and Grassland
Meadow Mixture
(EM1 by Emorsgate Seeds)
- Amenity Grass
- Tree Root Barrier
(Indicative, to be developed with project
drainage and structural engineers)

For Planning
Do not Scale from Drawing

Project: Wood Walk, Barnsley			
Drawing Title: Soft Landscape Layout (Plan 1 of 4)			
Scale: A3: 1/500 A1: 1/250		Date: 18/08/2021	
Status: Planning		Drawn: ES	Checked: TS
Drawing Number: 064.01.02		Revision: -	



Appendix 3: Soft Landscape Layout Plan 2/4

Appendix 4: Soft Landscape Layout Plan 3/4

Appendix 5: Soft Landscape Layout Plan 4/4



KEY

Existing Trees and Vegetation

-  Existing Trees
-  Existing Woodland/ Hedgerows

Proposed Trees, Hedges and Vegetation

-  Trees (Proposed)
(See Annotation and Schedules)
-  Ornamental Planting
(See Schedule)
-  Single Species Hedging
(See Annotation and Schedules)
-  Mixed Species Native Hedging
(See Annotation and Schedules)
-  Wildflower and Grassland
Meadow Mixture
(EM1 by Emorsgate Seeds)
-  Amenity Grass
-  Tree Root Barrier
(Indicative, to be developed with project
drainage and structural engineers)

For Planning
Do not Scale from Drawing

Project:
Wood Walk, Barnsley

Drawing Title:
Soft Landscape Layout (Plan 4 of 4)

Scale: A3: 1/500 A1: 1/250	Date: 18/08/2021
Status: Planning	Drawn: ES Checked: TS
Drawing Number: 064.01.05	Revision: -

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Appendix 6: Planting Schedules and Outline Specification



General Layout Plan 1/ 2,500 @ A3

Outline Specification for Planting

Trees and shrubs planted shall comply with BS.3936 (Specification of Nursery Stock) and shall be planted in accordance with BS.4428 (General Landscape Operations) and BS8545:2014 ' Trees from nursery to dependence in the Landscape'.

Bare root and root-balled stock to be planted in the dormant season.
All planting stock to be clearly labelled on delivery with the full botanical name. Plant stock to be approved prior to delivery to site and planting and trees be set out by Landscape Architect. All topsoil to be of good quality AS-DUG in accordance with BS 3882.2015. Depths of topsoil (Turf -150mm), (Shrubs- 300mm), Hedgerows (350mm) over free draining subsoil.

Organic soil improvement compost to be dug into all planting areas and used at 1cubic m per 10m2. All planting beds to be mulched in 75mm depth medium grade bark mulch immediately after planting.

If very wet or very dry conditions are found in proposed planting areas the landscape architect shall review planting locations and/or species.

- Tree pits to be dug 400mm larger than rootball in any direction. Side and base of pit to be forked over to aid drainage help root establishment. Tree pit to be back-filled with a mix of:
- 1 part 'Melcourt topgrow' (or similar) tree planting compost;
 - Mycorrhizal Fungi; and
 - 3 parts good quality, as dug topsoil.

1m2 area of medium grade bark mulch to be placed at the base of each trees to a depth of 75mm. Mulch to be maintained at size and depth for two growing seasons.

Tree Stakes
Stakes to be 75mm diameter tanalised softwood and pointed at one end. Top of stake to be 600mm above ground level and fixed to tree with 1 No suitable rubber tie. Stake to be firm in ground, position stake at time of planting.

Any queries in relation to planting schedules, layout or planting stock to be raised with Landscape Architect.

Suitable tree root barriers to be used on boundaries with hard-standing, walling, services, proposed and existing buildings.

Tree Planting Schedule

Name	Form	Age	Girth (cm)	Height (cm)	Clear stem (cm)	Root condition	Breaks	Nr of Trees
Amalanchier arborea 'Robin Hill'	Standard (extra heavy)	3x	12-14	300-350	175-200	RB	5	12
Cercis canadensis 'Forest Pansy'	Standard (Selected)	3x	10-12	min 350	min 200	RB/C		8
Cornus kousa 'China Girl'	Multi stem			min 150		RB/C		6
Crataegus laevigata 'Paul's Scarlet'	Standard (extra heavy)	3x	14-16	400-450	min 200	RB		15
Malus 'Evereste'	Standard (extra heavy)	3x	14-16	400-450	min 200	RB	5	11
Sorbus aucuparia	Standard (extra heavy)	3x	14-16	425-600	175-200	RB	5	6
Sorbus 'Joseph Rock'	Standard (extra heavy)	3x	14-16	425-600	175-200	RB	5	10
Prunus Amanogawa	Standard (extra heavy)	3x	14-16	450-600	min 200	RB		4
Prunus Sunset Boulevard	Standard (extra heavy)	3x	14-16	400-450	min 200	RB	5	10
Quercus robur	Standard (extra heavy)	3x	16-18	425-600	175-200	RB	5	2
Total								84

Single Species Hedgerow Planting Schedule

Drawing Code	Plant name	Height (cm)	Root Condition	Number of times Transplant	Size (L)	Habit	Breaks	Density/ lin m	Length (m)	Total No. Plants
	Hedgerows (Double staggered row)									
Cb	Carpinus betulus	60-80	B	1+1 or 1/1				5	46	230
Cd	Choisya x dewitteana 'White Dazzler'	30-40	C		3L	Bushy	4	5	25	125
EDS	Excallonia 'Donald Seeding'	30-40	C		3L	Bushy	4	5	79	395
EI	Excallonia 'Iveyi'	30-40	C		3L	Bushy	4	5	22	110
GI	Griselinia littoralis	30-40	C		3L	Bushy	4	5	47	235
Oxh	Olearia x haastii	30-40	C		3L	Bushy	4	5	48	240
PI	Prunus lusitanica	40-60	C		3L	Bushy	4	5	61	305
PRF	Pyracantha 'Red Firethorn'	40-60	C		2L	Leader with Laterals	2	5	45	225
Sj	Skimmia japonica 'Rubella'	30-40	C		3L	Bushy	3	5	16	80

Mixed Species Native Hedgerow Planting Schedule

Plant name	Common Name	Height (cm)	Root Condition	Number of times Transplant (min)	Form	Length (lin.m)	Plants/ lin.m	Total Number of Plants
Hedgerows (Double staggered row. 5 per m)								
Corylus avellana	Hazel	60-80	B	1+1	Branched	10	5	50
Crataegus monogyna	Hawthorn	60-80	B	1+1	Transplant	125	5	625
Ligustrum ovalifolium	Wild Privet	60-80	B	1+1	Branched	35	5	175
Ilex aquifolium	Holly	60-80	B	1+1	Leader and laterals	25	5	125
Viburnum opulus	Gulder Rose	60-80	B	1+1	Branched	10	5	50
Viburnum lantana	Wayfarin g tree	60-80	B	1+1	Branched	14	5	70
						219		1095
All new hedgerows to include post and 3 wire fencing where no other adjacent fencing type has been specified.								

Project:
Wood Walk, Barnsley

Drawing Title:
Planting Schedules and Outline Specification 1 of 2

Scale: A3: 1/500 A1: 1/250	Date: 18/08/2021
Status: Planning	Drawn: ES Checked: TS
Drawing Number: 064.01.06	Revision: -

Ornamental Shrub, Indicative Planting Schedule

Plant name	Height (cm)	Root Condition	Size (L)	Habit	Breaks	Planting Mix (m2)	Density (per m2)	Total Number Plants
<i>Aucuba japonica</i> 'Rozanne'	20-30	C	3L	Bushy	3	4	3	12
<i>Cornus canadensis</i>	15-20	C	2L	Bushy	9	4	4	16
<i>Euonymus fortunei</i> 'Emerald Gaiety'	20-30D	C	3L	Bushy	7	4	3	12
<i>Euonymus fortunei</i> 'Silver Queen'	20-30D	C	2L	Bushy	3	6	2	12
<i>Gaultheria mucronata</i> 'Mother of Pearl'	20-30	C	2L	Several shoots	3	4	4	16
<i>Hebe</i> 'Nicola's Blush'	20-30	C	2L	Bushy	5	6	4	24
<i>Hebe</i> 'Mrs Winder'	30-40	C	3L	Bushy	5	6	5	30
<i>Hebe</i> 'Red Edge'	30-40	C	3L	Bushy	5	6	3	18
<i>Hydrangea</i> 'Dart's Little Dot'	40-60	C	3L	Branched	5	4	3	12
<i>Hydrangea macrophylla</i> 'Lanarth White'	40-60	C	3L	Branched	5	6	3	18
<i>Lonicera nitida</i> 'Baggesen's Gold'	30-40	C	3L	Bushy	2	4	3	12
<i>Pachysandra terminalis</i>	15-20	C	3L	Several shoots	7	6	3	18
<i>Philadelphus</i> 'Belle Etoile'	30-40	C	3L	Branched	5	3	3	9
<i>Pittosporum tenuifolium</i> 'Tom Thumb'	30-40	C	3L	Branched	3	6	3	18
<i>Prunus laurocerasus</i> 'otto luyken'	30-40	C	3L	Bushy	3	6	3	18
<i>Rosa</i> 'Kent'	40-60	C	3L	Bushy		5	3	15
<i>Rosa</i> 'Lancashire'	40-60	C	3L	Bushy		4	3	12
<i>Rosa</i> 'Moonlight'	40-60	C	3L	Bushy	4	4	3	12
<i>Rosmarinus officinalis</i> 'Miss Jessop's Upright'	30-40	C	3L	Branched	4	6	3	18
<i>Sarcococca humilis</i>	20-30	C	3L	Bushy	7	4	3	12
<i>Skimmia x confusa</i> 'Kew Green'	30-40	C	3L	Bushy	3	6	3	18
<i>Spirea thunbergii</i>	40-60	C	3L	Branched	5	4	3	12
<i>Viburnum davidii</i>	40-60	C	3L	Bushy		5	3	15
<i>Viburnum x juddii</i>	40-60	C	3L	Branched	5	8	3	24
<i>Viburnum opulus</i> 'Compactum'	60-80	C	3L	Bushy	4	6	3	18
Totals						127		401

Ornamental Planting- Proportion of Mix

Unit	Total Area (m2)	Shrubs (%/ m2)		Herbaceous Perennials and grasses (%/m2)		Total (m2)
		%	(m2)	%	(m2)	
Ornamental Planting	364	35	127	65	237	364

Herbaceous, Perennial and Grass, Indicative Planting Schedule

Plant Name	Root condition	Size	Propagation	Planting Mix	Density (m2)	Total Number Plants
<i>Achillea</i> 'Terracotta'	C	1L	V	8	6	48
<i>Anemathele lessoniana</i>	C	1L		8	6	48
<i>Ameria martina</i>	C	1L	S	7	6	42
<i>Astilbe</i> 'Deutschland'	C	1L	S	8	6	48
<i>Bergenia</i> 'Beethoven'	C	1L	V	8	6	48
<i>Brunnera macrophylla</i>	C	1L	V	8	6	48
<i>Calamagrostis x acutiflora</i> 'Karl Foerster'	C	1L	V	5	6	30
<i>Calamagrostis brachytricha</i>	C	1L	V	5	6	30
<i>Carex oshimensis</i> 'Evergold'	C	1L	V	8	6	48
<i>Deschampsia cespitosa</i> 'Goldtau'	C	1L	V	8	6	48
<i>Dryopteris erythrosora</i>	C	1L	S	8	6	48
<i>Epimedium x perralchicum</i> 'Frohnleiten'	C	1L	V	8	6	48
<i>Geranium macrorrhizum</i>	C	1L	V	8	6	48
<i>Geranium phaeum</i> 'Album'	C	1L	V	8	6	48
<i>Geranium</i> 'Wargrave Pink'	C	1L	S	8	6	48
<i>Geum mai tai</i>	C	1L	S or V	8	6	48
<i>Hakonechloa macra</i>	C	1L		8	6	48
<i>Helleborus foetidus</i>	C	1L	S	8	6	48
<i>Heuchera</i> 'Ebony and Ivory'	C	1L	S or V	8	6	48
<i>Iris reticulata</i>	C	1L	V	8	6	48
<i>Miscanthus sinensis</i> 'Ferner Osten'	C	1L	V	8	6	48
<i>Origanum vulgare</i> 'Aureum'	C	1L	S	8	6	48
<i>Persicaria affinis</i> 'Superba'	C	1L	S or V	12	6	72
<i>Rudbeckia fulgida</i> var <i>sullivantii</i> 'Goldstrum'	C	1L	V	8	6	48
<i>Salvia nemorosa</i> 'Ostfriesland'	C	1L	V	8	6	48
<i>Salvia x superba</i>	C	1L	V	8	6	48
<i>Sedum spectabile</i> 'Brilliant'	C	1L	V	8	6	48
<i>Scabiosa</i> 'Butterfly Blue'	C	1L	V	8	6	48
<i>Stipa tenuissima</i>	C	1L	S or V	8	6	48
<i>Thymus</i> 'Hartington Silver'	C	1L	V	8	6	48
Totals				237		1422

Bulb Planting Schedule

Plant Name	Form	Grade	Density/m2	% of Area	Area	Number of Bulbs
Crocus (mixed colours)	Bulb	5./6	15	20	300	900
<i>Galanthus nivalis</i>	Bulb	5./6	15	10	300	450
<i>Hyacinthoides non-scripta</i>	Bulb	8./9	15	30	300	1350
Narcissus 'Tete a Tete'	Bulb	10./12	15	40	300	1800

Bulbs to be planted randomly in front of hedgerows and within Public Open Space

Project:
Wood Walk, Barnsley

Drawing Title:
Planting Schedules and Outline
Specification 2 of 2

Scale: A3: 1/500 A1: 1/250	Date: 18/08/2021
Status: Planning	Drawn: Checked: ES TS
Drawing Number: 064.01.07	Revision: -

