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## Station Road, Market Bosworth: Biodiversity Net Gain (BNG) Statement

### INTRODUCTION AND METHODOLOGY

FPCR Environment and Design Ltd. undertook a walkover survey and desk top survey of a site known as Station Road, Market Bosworth on 19<sup>th</sup> April 2023 to determine the ecological baseline of the site.

The survey was undertaken broadly using the UKHab methodology<sup>1</sup>. Where applicable, habitat condition assessments were undertaken<sup>2</sup> to inform a BNG assessment.

The results of the walkover survey were then used to conduct a biodiversity net gain assessment using the Statutory Biodiversity Metric<sup>3</sup>.

The desk study consulted data from the Defra MAGIC<sup>4</sup> database and data received from Leicestershire and Rutland Environmental Records Centre (LRERC) to identify any neighbouring ecological sites with statutory designations that may increase the strategic significance of the habitats within the site.

This document sets out the results of the survey work undertaken, the results of the BNG Assessment, and outlines the next steps toward the proposals achieving a 10% net biodiversity gain. The assessment is based on a combination of the Coloured Planning Layout (nineteen47 drawing ref n2258\_008-01 Rev A) and Illustrative Landscape Masterplan (Pegasus Group drawing ref P24-1884\_EN\_0007\_B\_0001).

### RESULTS

#### Desktop Study

No statutory designated sites of international value were identified within 10 km of the site boundary, though a single Site of Special Scientific Interest (SSSI); Ashby Canal was recorded within 2 km.

<sup>1</sup> Butcher, B., Carey, P., Edmonds, R., Norton, L. and Treweek, J. 2020. The UK Habitat Classification User Manual 1.1 <http://www.ukhab.org>

<sup>2</sup> 'Condition' is one of the measures of the quality of a habitat used within the Defra biodiversity metric. It takes into account key physical characteristics and typical species of a particular habitat type.

<sup>3</sup> Defra November 2023, The Statutory Biodiversity Metric User Guide. This publication is available at <https://www.gov.uk/government/publications/statutory-biodiversity-metric-tools-and-guides>

<sup>4</sup> <https://magic.defra.gov.uk/magicmap.aspx>

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Six non-statutory designated sites were recorded within 1km of the site, the closest of which (Ashby Canal Local Wildlife Site) lies c.135m to the west.

One potential LWS (pLWS) was recorded within the site boundary, known as Market Bosworth hedge 2. This hedge (recorded as H2a-c, and part of H3 during the walkover carried out by FPCR, see accompanying Ecological Appraisal), was considered not to meet the primary or secondary criteria for LWS selection, and furthermore contained less than five woody species, making it not species-rich. This hedgerow was also very gappy. This hedgerow was therefore not considered to represent a LWS habitat. Given the absence of designated sites within or adjacent to the development site, and the absence of habitats of high intrinsic value, all habitats were considered to be of **low strategic significance** within the BNG metric ('Area/compensation not in local strategy/no local strategy').

## Baseline Survey Results

The walkover survey identified a small number of habitat types within the site, including cereal crops, mixed scrub, modified grassland, ornamental lake or pond, vegetated garden, developed land; sealed surface (comprising buildings and hardstanding) and hedgerows as described below and mapped on Figure 1 Biodiversity Net Gain Baseline Habitats. Additional information can be found in the Ecological Appraisal (FPCR, 2023) and condition assessments can be found in Appendix A.

### Modified Grassland

The site supports modified grassland (amenity grassland) in poor condition. Grassland areas comprised of roadside verges and were regularly mown and contained species that were indicative of high nutrient levels, including abundant annual meadow grass *Poa annua*, abundant perennial ryegrass *Lolium perenne*, locally occasional chickweed *Stellaria media*, sticky mouse ear *Cerastium glomeratum* and creeping buttercup *Ranunculus repens*, as well as rare instances of ivy-leaved speedwell *Veronica hederifolia*, yarrow *Achillea millefolium*, daisy *Bellis perennis*, spear thistle *Cirsium vulgare* and creeping thistle *Cirsium arvense*.

### Mixed Scrub

One parcel of mixed scrub was recorded along the northern boundary, containing frequent hawthorn *Crataegus monogyna* and bramble *Rubus fruticosus* agg., occasional instances of garlic mustard *Alliaria petiolate* and nettle *Urtica dioica*, and rare instances of cleavers *Galium aparine*, garden privet *Ligustrum ovalifolium*, elder *Sambucus nigra* and leylandii hedge.

Several small stands of bramble scrub were also recorded in the northern extent of the site.

### Developed Land; Sealed Surface and Vegetated Gardens

In the north of site lies several residential and commercial buildings with hardstanding roads, and associated vegetated gardens with associated ornamental and native vegetation. Species recorded within these areas include rare instances of dandelion *Taraxacum* sp., cleavers, herb robert *Geranium robertianum*, thale cress *Arabidopsis thaliana*, sow thistle *Sonchus* sp., sticky mouse ear and spear thistle.

### Hedgerows

Six hedgerows, five of which were native species dominant, were present across the site. These supported a limited number of species, with H1 containing hawthorn, *Laburnum*, Norway spruce *Picea abies* and leylandii; H2 containing hawthorn, blackthorn *Prunus spinosa*, oak *Quercus robur* and goat willow *Salix*

*caprea*; H3 containing crack willow *Salix fragilis*, blackthorn, oak, hawthorn and ash *Fraxinus excelsior*; H4 containing goat willow, hawthorn and white poplar *Populus alba*; H5 containing blackthorn, silver birch *Betula pendula*, field maple *Acer campestre*, hawthorn, oak, ash and balsam poplar *Populus balsamifera*; and H6 containing hawthorn, elder, dog rose *Rosa canina* and field maple.

Area coverages for baseline habitats and individual trees are provided within Table 1 and lengths of baseline linear habitats are provided in Table 2. Habitats are mapped on Figure 1.

The metric valued the baseline habitats at 15.32 biodiversity units (BU) and hedgerow units (HU) at 3.93.

**Table 1: Baseline Habitats**

| Habitat type                   | Area (ha)   | Distinctiveness | Condition | Biodiversity units |
|--------------------------------|-------------|-----------------|-----------|--------------------|
| Cereal crops                   | 6.7656      | Low             | N/A       | 13.53              |
| Modified grassland             | 0.0338      | Low             | Poor      | 0.07               |
| Mixed scrub                    | 0.0296      | Medium          | Moderate  | 0.24               |
| Mixed scrub                    | 0.0137      | Medium          | Poor      | 0.05               |
| Ornamental lake or pond        | 0.001       | Low             | Poor      | 0.00               |
| Developed land; sealed surface | 0.2153      | Very Low        | N/A       | 0.00               |
| Vegetated garden               | 0.0272      | Low             | N/A       | 0.05               |
| Individual trees               | 0.0122      | Medium          | Moderate  | 0.10               |
| Individual trees               | 0.057       | Medium          | Good      | 0.68               |
| Individual trees               | 0.0489      | Medium          | Good      | 0.59               |
| <b>Total</b>                   | <b>7.20</b> |                 |           | <b>15.32</b>       |

**Table 2: Baseline Linear Habitats**

| Habitat type                                    | Length (km)  | Distinctiveness | Condition | Biodiversity units |
|-------------------------------------------------|--------------|-----------------|-----------|--------------------|
| Native hedgerow                                 | 0.238        | Low             | Moderate  | 0.95               |
| Line of trees                                   | 0.02         | Low             | Poor      | 0.04               |
| Native hedgerow – associated with bank or ditch | 0.363        | Medium          | Moderate  | 2.9                |
| Non-native and ornamental hedgerow              | 0.035        | Very Low        | Poor      | 0.04               |
| <b>Total</b>                                    | <b>0.656</b> |                 |           | <b>3.93</b>        |

*N.B. Individual tree baseline / retained area is calculated within the metric and corresponds to the number of trees within each category.*

## Proposed Habitats

Under current proposals, all area habitats are to be lost, with some linear hedgerow retention. Habitat creation will be provided within the site. Habitat creation is shown in Figure 2, and includes areas of mixed scrub, other neutral grassland, modified grassland, a sustainable urban drainage feature and individual trees.

Around the proposed dwellings, habitat creation will prioritise the establishment of ornamental planting and amenity grassland which will be managed primarily for their amenity value. Nevertheless, planting a diverse range of ornamental plants will provide interest for wildlife, particularly pollinators that can take advantage of flowering species.

The biodiversity units for each proposed habitat on the site have been calculated and are presented in Table 3, along with a description of the management recommendations which will be employed to achieve the target conditions for each habitat type.

### **Hedgerow Creation**

The proposals include the creation of several new lengths of species-rich native hedgerows and lines of trees. These will provide additional connectivity around the site. Altogether 0.358 km of species-rich native hedgerow planting and 0.148 km of tree line planting will be carried out.

Management will include the following measures:

- Failed specimens will be replaced during establishment on a like-for-like basis;
- Hedgerows will be managed to encourage tall, wide and bushy features, with only one side of hedgerows cut each year (i.e. each side cut once every two years);
- Fertiliser use will be prohibited within grasslands in the site boundary that are adjacent to hedgerows to reduce nutrient enrichment; and
- A minimum of 1m adjacent to the hedgerows will be managed as 'undisturbed' ground where possible. Management of grassland within these areas adjacent to hedgerows will be in line with the management of modified grasslands.

**Table 3: Summary of Proposed Habitat Creation**

| Habitat (Landscaping Plan Reference) | Habitat (UKHab Type)    | Targets for Creation/Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Area (ha) | Target Condition | Distinctiveness | Biodiversity Units |
|--------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|-----------------|--------------------|
| Amenity Grassland Planting           | Modified grassland      | These lawns will be managed solely for their amenity value and so will likely be in poor condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.8765    | Poor             | Low             | 1.69               |
| Amenity Grassland Planting           | Modified grassland      | Some areas of grassland surrounding other neutral grassland will be managed more sensitively.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.1813    | Moderate         | Low             | 0.63               |
| Proposed Bulb Planting               | Introduced Shrub        | These areas of amenity planting will be managed solely for their amenity value.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.0869    | N/A              | Low             | 0.17               |
| Proposed Wildflower Grassland        | Other neutral grassland | Boundary grassland planting and the attenuation pond will provide opportunities to create species-rich grasslands on the site by providing different soil conditions for wetland species to establish. The following management measures will be employed to maximize diversity: <ul style="list-style-type: none"> <li>Seeding areas around the attenuation pond with a native species mix tolerant to waterlogged or seasonally inundated soils including Yorkshire fog <i>Holcus lanatus</i> and rushes <i>Juncus</i> sp.;</li> <li>Management will be reduced to create a varied sward height, following the supplier's specifications with one cut per year following establishment; and</li> <li>Reseeding any areas of failed establishment.</li> </ul>                     | 0.4752    | Moderate         | Medium          | 3.18               |
| Proposed native shrub planting       | Mixed scrub             | Areas of native scrub planting will be incorporated along the western noise attenuation bund, in order to promote a diversity of plants and structure within the site. These will be managed to achieve moderate condition through the following: <ul style="list-style-type: none"> <li>Planting will ensure a diversity of species with within blocks of scrub with no one species comprising more than 75% cover;</li> <li>The borders of scrub will be subject to relaxed management extended at least 2m from the scrub edge to encourage a diverse interface between habitats;</li> <li>Replacement planting of failed specimens during establishment period; and</li> <li>Additional planting after 10 years where natural regeneration has not been successful.</li> </ul> | 0.9122    | Moderate         | Medium          | 6.11               |
| Proposed Rear Gardens                | Vegetated garden        | Private garden areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.8364    | N/A              | Low             | 1.61               |
| Individual tree planting             | Urban trees             | A minimum of 173 small standards total are to be planted across the Site within the development footprint. Each individual tree will be targeted to moderate condition via the management prescriptions below: <ul style="list-style-type: none"> <li>All trees should be native species or native cultivars;</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.7614    | Moderate         | Medium          | 2.33               |

| Habitat<br>(Landscaping<br>Plan Reference) | Habitat<br>(UKHab<br>Type) | Targets for Creation/Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Area<br>(ha) | Target<br>Condition | Distinctiveness | Biodiversity<br>Units |
|--------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|-----------------|-----------------------|
|                                            |                            | <ul style="list-style-type: none"> <li>• If planted in groups, the distance between centres should be set such that the expected canopies should be less than 5m apart;</li> <li>• Relaxed management removing only branches that pose a risk to traffic/pedestrians such that trees retain more than 75% of the expected canopy size for the corresponding age; and</li> <li>• Planted with verges or green infrastructure such that at least 20% of the ground beneath each tree is vegetated.</li> </ul> |              |                     |                 |                       |

## BNG Assessment Summary

The BNG Assessment was based on the above-mentioned layouts and the assumptions that:

- i) the 'proposed wildflower meadow' will achieve the criteria of 'other neutral grassland' and would reach moderate condition;
- ii) the areas of grassland close to buildings / hardstanding will comprise 'modified grassland' in poor condition;
- iii) proposed species-rich native hedgerows and lines of trees will achieve moderate condition; and
- iv) proposed trees will be established as small trees and will achieve moderate condition.

### Area Habitats

- Proposals result in a net gain of 1.55 units, which equates to a gain of +10.1%.

### Hedgerows

- The proposals will result in an increase of 2.2 hedgerow units (HU), which equates to an increase of +56.07%.

|                                    |                |               |
|------------------------------------|----------------|---------------|
| <b>Baseline</b>                    | Habitat Units  | 15.32         |
|                                    | Hedgerow Units | 3.93          |
| <b>Post-Intervention</b>           | Habitat Units  | 16.86         |
|                                    | Hedgerow Units | 6.13          |
| <b>Total Net Unit Change</b>       | Habitat Units  | <b>1.55</b>   |
|                                    | Hedgerow Units | <b>2.2</b>    |
| <b>Total Net Percentage Change</b> | Habitat Units  | <b>10.1%</b>  |
|                                    | Hedgerow Units | <b>56.07%</b> |

Currently the proposals will achieve more than a 10% net gain in habitat and hedgerow units, with all trading rules satisfied.

Yours sincerely



**Bill Jeffreys**

Ecologist

FPCR Environment & Design Ltd.

## APPENDIX A: BASELINE HABITAT CONDITION ASSESSMENTS

### Modified Grassland - Grassland (low distinctiveness)

| Condition Criteria                                                                                                                                                                                                                                      | Grassland Reference |                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                         | G1                  |                                                                                 |
|                                                                                                                                                                                                                                                         | Criteria            | Criteria                                                                        |
| <b>A</b> There must be 6-8 species per m <sup>2</sup> , including at least 2 forbs (including those in Footnote 1).<br><b>NB - this criterion is non-negotiable for achieving moderate or good condition.</b>                                           | Fail                | Less than 6 species per m <sup>2</sup> on average across the informal quadrats. |
| <b>B</b> Sward height is varied (at least 20% of the sward is less than 7cm long and at least 20% is more than 7cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.                          | Fail                | Regularly mown, uniform height                                                  |
| <b>C</b> Some scattered scrub (including bramble) may be present, but scrub accounts for less than 20% of total grassland area. Note - patches of shrubs with continuous (more than 90%) cover should be classified as the relevant scrub habitat type. | Pass                | None present                                                                    |
| <b>D</b> Physical damage evident in less than 5% of total grassland area, such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities.                                     | Fail                | Damage from car parking.                                                        |
| <b>E</b> Cover of bare ground between 1% and 10%, including localised areas, for example, rabbit warrens.                                                                                                                                               | Pass                | Less than 1%.                                                                   |
| <b>F</b> Cover of bracken less than 20%.                                                                                                                                                                                                                | Pass                | None present.                                                                   |
| <b>G</b> There is an absence of invasive non-native species (as listed on Schedule 9 of the Wildlife and Countryside Act (WCA) 1981).                                                                                                                   | Pass                | None present.                                                                   |
| <b>Total Passes</b>                                                                                                                                                                                                                                     | 4 (excluding A)     |                                                                                 |
| <b>Condition</b>                                                                                                                                                                                                                                        | <b>Poor</b>         |                                                                                 |

| Condition Assessment Result                                                              | Condition Assessment Score |
|------------------------------------------------------------------------------------------|----------------------------|
| Passes 6 or 7 of 7 criteria including essential criteria A                               | Good (3)                   |
| Passes 4 or 5 of 7 criteria; OR<br>Passes 6 of 7 criteria excluding essential criteria A | Moderate (2)               |
| Passes 0, 1, 2 or 3 of 7 criteria                                                        | Poor (1)                   |

**Individual Trees**

| Condition Criteria                                                                                                                                                                                                                                                                               | Tree Reference |       |                 |       |             |       |             |       |             |       |                 |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|-----------------|-------|-------------|-------|-------------|-------|-------------|-------|-----------------|--------|
|                                                                                                                                                                                                                                                                                                  | T1             |       | T2              |       | T3          |       | T4          |       | T5          |       | T6              |        |
|                                                                                                                                                                                                                                                                                                  | Criteria       | Notes | Criteria        | Notes | Criteria    | Notes | Criteria    | Notes | Criteria    | Notes | Criteria        | Notes  |
| <b>A</b> The tree is a native species (or at least 70% within the block are native species).                                                                                                                                                                                                     | Pass           |       | Pass            |       | Pass        |       | Pass        |       | Pass        |       | Fail            | Poplar |
| <b>B</b> The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide (individual trees automatically pass this criterion).                                                                                          | Pass           |       | Pass            |       | Pass        |       | Pass        |       | Pass        |       | Pass            |        |
| <b>C</b> The tree is mature (or more than 50% within the block are mature).                                                                                                                                                                                                                      | Pass           |       | Fail            |       | Pass        |       | Pass        |       | Pass        |       | Pass            |        |
| <b>D</b> There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity). And there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height. | Pass           |       | Pass            |       | Pass        |       | Pass        |       | Pass        |       | Pass            |        |
| <b>E</b> Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.                                                                                                                                                     | Pass           |       | Fail            |       | Pass        |       | Pass        |       | Pass        |       | Pass            |        |
| <b>F</b> More than 20% of the tree canopy area is overhanging vegetation beneath.                                                                                                                                                                                                                | Pass           |       | Pass            |       | Pass        |       | Pass        |       | Pass        |       | Fail            |        |
| <b>Total Passes</b>                                                                                                                                                                                                                                                                              | 6              |       | 4               |       | 6           |       | 6           |       | 6           |       | 4               |        |
| <b>Condition</b>                                                                                                                                                                                                                                                                                 | <b>Good</b>    |       | <b>Moderate</b> |       | <b>Good</b> |       | <b>Good</b> |       | <b>Good</b> |       | <b>Moderate</b> |        |

| Condition Assessment Result | Condition Assessment Score |
|-----------------------------|----------------------------|
| Passes 5 or 6 criteria      | Good (3)                   |
| Passes 3 or 4 criteria      | Moderate (2)               |
| Passes 2 or fewer criteria  | Poor (1)                   |

**Mixed Scrub**

| Condition Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | S1          |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Criteria    | Notes                               |
| The parcel represents a good example of its habitat type - the appearance and composition of the vegetation closely matches its UKHab description (where in its natural range).<br>- At least 80% of scrub is native,<br>- There are at least three native woody species,<br>- No single species comprises more than 75% of the cover (except hazel <i>Corylus avellana</i> , common juniper <i>Juniperus communis</i> , sea buckthorn <i>Hippophae rhamnoides</i> or box <i>Buxus sempervirens</i> , which can be up to 100% cover). | Pass        |                                     |
| Seedlings, saplings, young shrubs and mature (or ancient or veteran <sup>2</sup> ) shrubs are all present.                                                                                                                                                                                                                                                                                                                                                                                                                            | Fail        | No young shrubs present             |
| There is an absence of invasive non-native plant species (as listed on Schedule 9 of WCA4) and species indicative of sub-optimal condition make up less than 5% of ground cover.                                                                                                                                                                                                                                                                                                                                                      | Fail        | More than 5% cleavers present       |
| The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.                                                                                                                                                                                                                                                                                                                                                                                              | Fail        |                                     |
| There are clearings, glades or rides present within the scrub, providing sheltered edges.                                                                                                                                                                                                                                                                                                                                                                                                                                             | Fail        | Too small to contain these features |
| <b>Total Passes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1           |                                     |
| <b>Condition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Poor</b> |                                     |

**Lines of Trees**

| Condition Criteria                                                                                                                                                                                                                                                                   | Parcel Ref      |       |                 |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|-----------------|-------|
|                                                                                                                                                                                                                                                                                      | TL1             |       | TL2             |       |
|                                                                                                                                                                                                                                                                                      | Criteria        | Notes | Criteria        | Notes |
| At least 70% of trees are native species.                                                                                                                                                                                                                                            | Pass            |       | Pass            |       |
| Tree canopy is predominantly continuous with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide.                                                                                                                                                | Pass            |       | Pass            |       |
| One or more trees has veteran features and or natural ecological niches for vertebrates and invertebrates, such as presence of standing and attached deadwood, cavities, ivy or loose bark.                                                                                          | Fail            |       | Fail            |       |
| There is an undisturbed naturally-vegetated strip of at least 6 m on both sides to protect the line of trees from farming and other human activities (excluding grazing). Where veteran trees are present, root protection areas should follow standing advice.                      | Fail            |       | Fail            |       |
| At least 95% of the trees are in a healthy condition (deadwood or veteran features valuable for wildlife are excluded from this). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity. | Pass            |       | Pass            |       |
| <b>Total Passes</b>                                                                                                                                                                                                                                                                  | 3               |       | 3               |       |
| <b>Condition</b>                                                                                                                                                                                                                                                                     | <b>Moderate</b> |       | <b>Moderate</b> |       |

**Native Hedgerows**

| Condition Criteria                                                                                                                                                                           | Hedgerow Reference        |                           |                                   |                           |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|-----------------------------------|---------------------------|---------------------------|
|                                                                                                                                                                                              | H2                        | H3                        | H4                                | H5                        | H6                        |
| <b>A1</b> Height >1.5m average along length.                                                                                                                                                 | Pass                      | Pass                      | Pass                              | Pass                      | Pass                      |
| <b>A2</b> Width >1.5m average along length.                                                                                                                                                  | Pass                      | Pass                      | Pass                              | Pass                      | Pass                      |
| <b>B1</b> Gap between ground and base of canopy <0.5 m for >90% of length.                                                                                                                   | Pass                      | Pass                      | Pass                              | Pass                      | Pass                      |
| <b>B2</b> Gaps make up <10% of total length and no canopy gaps >5 m.                                                                                                                         | Pass                      | Pass                      | Pass                              | Pass                      | Pass                      |
| <b>C1</b> >1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length measured from outer edge of hedgerow, and is present on one side of the hedge (at least). | Fail                      | Fail                      | Fail                              | Fail                      | Fail                      |
| <b>C2</b> Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.                                                                    | Fail                      | Fail                      | Fail                              | Fail                      | Fail                      |
| <b>D1</b> >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA) and recently introduced species.            | Fail                      | Pass                      | Pass                              | Pass                      | Pass                      |
| <b>D2</b> >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.                                                                                           | Pass                      | Pass                      | Pass                              | Pass                      | Pass                      |
| <b>Total Failures</b>                                                                                                                                                                        | 3 (same functional group) | 2 (same functional group) | 2 (same functional group)         | 2 (same functional group) | 2 (same functional group) |
| <b>Condition</b>                                                                                                                                                                             | <b>Moderate</b>           | <b>Moderate</b>           | <b>Moderate</b>                   | <b>Moderate</b>           | <b>Moderate</b>           |
| <b>Condition Assessment Result for Hedgerows without Trees</b>                                                                                                                               |                           |                           | <b>Condition Assessment Score</b> |                           |                           |
| ≤2 total failures; AND no more than 1 failure in any functional group                                                                                                                        |                           |                           | Good (3)                          |                           |                           |
| ≤4 total failures; AND does not fail both attributes in more than one functional group                                                                                                       |                           |                           | Moderate (2)                      |                           |                           |
| >4 total failures; OR fails both attributes in multiple functional groups                                                                                                                    |                           |                           | Poor (1)                          |                           |                           |



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## Key

 **Red Line Boundary**

### Baseline Habitats

 **Cereal crops**

 **Developed land; sealed surface**

 **Mixed scrub**

 **Modified grassland**

 **Ornamental lake or pond**

 **Vegetated garden**

### Baseline Hedgerows

 **Non-native and ornamental hedgerow**

 **Line of trees**

 **Native hedgerow**

 **Native hedgerow - associated with bank or ditch**

### Baseline Individual Trees

 **Existing Medium Rural Tree**

 **Existing Small Rural Tree**





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**Key**

 **Red Line Boundary**

**Proposed Habitats**

 **Developed land; sealed surface**

 **Introduced shrub**

 **Mixed scrub**

 **Modified grassland**

 **Other neutral grassland**

 **Sustainable drainage system**

 **Vegetated garden**

 **Commercial**

**Proposed Hedgerows**

 **Line of trees**

 **Native hedgerow**

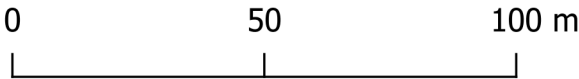
 **Native hedgerow - associated with bank or ditch**

 **Species-rich native hedgerow**

**Proposed Individual Trees**

 **Proposed Small Urban Tree**

 **Retained Small Rural Tree**





client  
Miller Homes

project  
Station Road, Market Bosworth

drawing title  
**PROPOSED HABITATS**

scale @ A3  
1:1,500

drawn  
BRJ

issue date  
8/8/2024

drawing / figure number  
**Figure 4**



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**Key**

 **Red Line Boundary**

**Habitat Retention**

 **Lost**

**Hedgerow Retention**

 **Created**

 **Retained**

 **Lost**

**Individual tree Retention**

 **Created**

 **Retained**

 **Proposed Lost**



client  
Miller Homes  
project  
Station Road, Market Bosworth

drawing title  
**HABITAT RETENTION**

scale @ A3  
1:1,500

drawn  
BRJ

issue date  
8/8/2024



drawing / figure number  
**Figure 3**



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## Key

Red Line Boundary

### Baseline Habitat Condition

Moderate

Poor

Condition Assessment N/A

### Baseline Habitat Distinctiveness

Medium

Low

V.Low

### Baseline Hedgerow Condition

Moderate

Poor

### Baseline Hedgerow Distinctiveness

Medium

Low

V.Low

### Baseline Individual Tree Condition

Moderate

Good

### Baseline Individual Tree Distinctiveness

Medium



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**Key**

**Red Line Boundary**

**Proposed Habitat Condition**

**Moderate**

**Poor**

**Condition Assessment N/A**

**Proposed Habitat Distinctiveness**

**Medium**

**Low**

**V.Low**

**Proposed Hedgerow Condition**

**Moderate**

**Proposed Hedgerow Distinctiveness**

**Medium**

**Low**

**Proposed Individual Tree Distinctiveness**

**Medium**

**Proposed Individual Tree Condition**

**Moderate**

**Good**