



Biodiversity Enhancement and Landscape Management Plan

Hospital Bridge Road, Whitton

Presented to **Bowmer and Kirkland Ltd.**

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Report Details

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Table of Contents

| | |
|--|----|
| 1.0 INTRODUCTION..... | 1 |
| 1.1 Purpose and Scope of the Survey..... | 1 |
| 1.2 Site Description..... | 2 |
| 1.3 Proposed Development..... | 2 |
| 2.0 SUMMARY OF PREVIOUS REPORTS AND BASELINE DATA..... | 3 |
| 3.0 LANDSCAPE ENHANCEMENTS AND MANAGEMENT..... | 4 |
| 3.1 Scattered Trees..... | 4 |
| 3.1.1 Existing Ecological Feature..... | 4 |
| 3.1.2 Influencing Factors for Management..... | 4 |
| 3.1.3 Objectives..... | 4 |
| 3.1.4 Implementation..... | 4 |
| 3.1.5 Monitoring and Remediation..... | 5 |
| 3.2 Woodland Mix and Ornamental Shrub Planting..... | 5 |
| 3.2.1 Existing Ecological Feature..... | 5 |
| 3.2.2 Influencing Factors for Management..... | 5 |
| 3.2.3 Objectives..... | 5 |
| 3.2.4 Implementation..... | 6 |
| 3.2.5 Monitoring and Remediation..... | 7 |
| 3.3 Amenity Grassland..... | 7 |
| 3.3.1 Existing Ecological Feature..... | 7 |
| 3.3.2 Influencing Factors for Management..... | 7 |
| 3.3.3 Objectives..... | 7 |
| 3.3.4 Implementation..... | 7 |
| 3.3.5 Monitoring and Remediation..... | 7 |
| 4.0 FENCE DESIGN FOR MAMMAL DISPERSAL..... | 8 |
| 5.0 SPECIES SPECIFIC ENHANCEMENTS..... | 9 |
| 5.1 Nesting Birds..... | 9 |
| 5.2 Bats..... | 9 |
| 5.3 Invertebrates..... | 9 |
| 5.4 Habitat Pile..... | 9 |
| 5.5 Stag Beetle Loggery..... | 10 |
| 6.0 DISCLAIMER..... | 11 |

Figures

Figure 1 Ecological Enhancement Measures

Appendices

Appendix A References
Appendix B Management and Monitoring Programme
Appendix C 10 Year Management Programme

1.0 Introduction

1.1 Purpose and Scope of the Survey

Delta-Simons Environmental Consultants Ltd was instructed by Bowmer and Kirkland Ltd. ('the Client') to prepare an update to the Biodiversity Enhancement and Landscape Management Plan (BELMP) for a new school at land to the west of Hospital Bridge Road, Whitton, London ('the Site').

The BELMP has been updated in order to satisfy planning conditions NS17, NS25 and NS31 (planning reference 18/3561/FUL) which state:

"NS17: Prior to the occupation of the school hereby approved, a scheme of ecological enhancements shall be submitted to and approved in writing by the Local Planning Authority. The development shall not be implemented other than in accordance with the approved scheme, and shall not be occupied until the enhancements have been implemented in full or in accordance with a timetable of implementation. Such enhancements to include:

- ▲ *bat, bird and invertebrate boxes*
- ▲ *habitat piles and stag beetle loggeries,*
- ▲ *measures to allow movement of species between the site and habitat corridor*

Details to be submitted include:

- ▲ *specific location*
- ▲ *box type*
- ▲ *construction method.*

NS25: Unless otherwise agreed in writing with the Local Planning Authority, prior to occupation of the development hereby approved, a landscape management plan for the site shall be submitted to and approved in writing by the Local Planning Authority. The scheme shall include:

- a. covering the boundaries, habitat corridor and secondary access*
- b. long-term objectives, management responsibilities and detailed prescriptions and schedules for maintenance and conservation management over a minimum period of five years from the date of occupation*

The development shall not be implemented other than in accordance with the approved landscape management plan.

NS31: Prior to occupation of the site, details of the means of enclosure/fencing/gates - including gaps or gates to allow passage of badger, hedgehog and other small mammals - shall be submitted to and agreed in writing by the Local Planning Authority. The development shall not be implemented other than in accordance with the approved scheme and shall thereafter be retained as approved."

The BELMP has been written based upon information provided by the Client, and the results and recommendations of previous ecology surveys for the Site and has been updated to remove management prescriptions for the open space within the western extent of the Site which falls outside the Clients control. This BELMP does not include details of the green wall, green roof or sports pitches, details of which are provided within separate documents associated with planning conditions NS23, NS24 and NS26.

The measures proposed will ensure that overall there is a net gain in the biodiversity value of the Site in accordance with National Planning Policy Framework (NPPF, 2019). The NPPF advises that *"Planning policies and decisions should contribute to and enhance the local environment by (d) minimising impacts on and providing net gains for biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures..."*

The aims of the BELMP are to:

- ▲ Provide enhancement measures to increase the biodiversity value of the Site; and
- ▲ Provide a management and monitoring plan in order to enhance and maintain the ecological value of the Site following the development.

1.2 Site Description

The Site is centred at Ordnance Survey (OS) grid reference TQ 13336 73585, to the west of Hospital Bridge Road, Whitton, London. The Site covers an area of 6.7 hectares (ha) and comprises rough grassland and scattered scrub, with the eastern extent used as a storage area for the adjacent landscaping and garden centre.

A railway line runs adjacent to the northern Site boundary, and a garden centre lies adjacent to the eastern Site boundary, with residential properties further to the north and east of the Site. Heathfield Recreation Ground lies to the south of the Site, and Borough Cemetery borders the western Site boundary.

1.3 Proposed Development

It is understood that the proposed development comprises the construction of a three-storey teaching block and a two-storey sports complex in the north-eastern corner of the Site, with associated hard and soft landscaping. It is understood that the western extent of the Site will comprise green space, which will be used as playing fields and for habitat creation. This BELMP does not cover the area of habitat creation within the western extent of the Site, the details of which are subject to a separate agreement, however, it should be noted that this area of the Site will contribute significantly to the overall biodiversity value of the development proposals.

2.0 Summary of Previous Reports and Baseline Data

The Site has been the subject of several ecology and protected species surveys as part of the planning application. To inform this BELMP the following reports have been reviewed:

- ▲ Preliminary Ecological Appraisal, Turing House Hounslow, Campbell Reith Hill LLP, September 2017;
- ▲ Preliminary Ground Level Bat Roost Assessment and Badger Survey, Turing House Free School, Hospital Bridge Road, Hounslow, Thomson Ecology, September 2017;
- ▲ National Vegetation Classification Survey, Turing House Free School, Thomson Ecology, September 2017; and
- ▲ Reptile Survey Report, Hospital Bridge Road, (Turing House Free School) Whitton, Delta-Simons 18-0170.02, October 2018.

Three national statutory designated Local Nature Reserves (LNR) and 12 non-statutory designated Sites of Importance for nature Conservation (SINC) were identified within the 2 km search area. In addition, the Site is designated a Metropolitan Area of Open Land (MOL). The PEA concluded that the proposed development was unlikely to have any direct impact on the majority of designated sites, however, Feltham Railsides SINC is situated adjacent to the northern Site boundary.

The NVC survey report found the grassland to be typical of past grassland improvement and of species typically widespread in the UK.

Habitats at the Site were considered suitable to support nesting birds and several of the trees were recorded to contain features suitable to support roosting bats. These trees are to be retained as part of the development design. No evidence of reptiles was recorded during the surveys and great crested newts were not considered to be a constraint at this Site. A disused outlier badger sett was identified within the south-eastern extent of the Site with no evidence of recent badger activity recorded at the Site.

3.0 Landscape Enhancements and Management

The landscaping scheme (prepared by Area Landscape Architects) and proposed management has been developed in order to enhance the biodiversity of the Site and to provide a range of resources for locally occurring wildlife. The proposals aim to enhance the connectivity to the Feltham Railsides SINC adjacent to the Site through the improvement of boundary vegetation to the southern and northern boundaries. This will, therefore, maintain and enhance the existing ecological corridor. Implementation of the landscaping scheme should be undertaken in accordance with the details provided by Ares Landscape Architects and should be completed by a competent person. A maintenance and management programme to cover the first 10 years after development is included as Appendix B, and 10-year management programme is included as Appendix C. Landscape features are shown in Figure 1.

3.1 Scattered Trees

3.1.1 Existing Ecological Feature

The majority of the existing trees are to be retained at the Site with a small number of losses within the eastern area of the Site and at the northern Site boundary to facilitate the development. Non-native *Robinia* are to be felled from the northern Site boundary. Additional tree planting is proposed across the Site to compensate for any losses, to further enhance the floral and structural diversity, and to provide greater connectivity.

3.1.2 Influencing Factors for Management

Retained and newly planted trees must be managed to maintain their health and amenity value as well as to contribute to the ecological value of the Site. Dead wood should be retained, where possible, for its biodiversity value, however, safety is paramount.

3.1.3 Objectives

The objective for the tree planting at the Site post-development is to compensate for the minor loss of existing trees and to increase the species diversity, to enhance connectivity through appropriate management, and create structural diversity across the Site. Management objectives for the tree habitat are:

- ▲ To ensure satisfactory establishment and growth of new planting;
- ▲ Maintain planting in a healthy and attractive condition;
- ▲ To retain their contribution to the landscape structure, for biodiversity, to create a food source to wildlife, and amenity value in accordance with BS3998:2010; and
- ▲ Retain dead wood at the Site for biodiversity value

3.1.4 Implementation

Tree planting is to be undertaken around the boundaries of the Site and around the main school complex within the eastern area of the Site. A range of native species, and those of known value to wildlife, are to be incorporated which will enhance the ecological value of the Site and provide increased foraging and connectivity for invertebrates, birds and bats.

Tree planting will comprise the following species:

- ▲ Field maple *Acer campestre*;
- ▲ Norway maple *Acer platanoides*;
- ▲ Silver birch *Betula pendula*;
- ▲ European hornbeam *Carpinus betulus*;
- ▲ Bird cherry *Prunus padus*;
- ▲ Scots pine *Pinus Sylvestris*;
- ▲ Black poplar *Populus nigra*;

- ▲ Small leaved lime *Tilia cordata*; and
- ▲ Large leaved lime *Tilia platyphyllos*.

Planting

Prior to planting, the ground will be prepared such that the plants can grow successfully. The soil should have a good tilth (particle size, moisture content, degree of aeration, rate of water infiltration, and drainage) so that the roots can establish. Planting will not be undertaken if the ground is suffering from hard frost or is heavily water logged, however, planting should be undertaken during the late autumn and winter months when the trees are dormant, in the next available planting season following completion of the development.

Newly planted stock will be protected from grazing mammals, such as rabbits. Individual plants will be protected by plastic shelter guards or mesh guards, where appropriate. Protective or supporting structures will be removed as soon as possible to avoid dependence on support.

Management

New trees are to be watered at least weekly between May and September during the first two years, should two weeks pass without rainfall. Following this, trees are to be watered only if showing signs of drought stress.

Dead wood and suckers are to be removed as required to ensure development of a main leader and to ensure statutory clearance from roads and footpaths is maintained, however, where possible dead wood should be retained for its biodiversity value.

3.1.5 Monitoring and Remediation

Trees are to be inspected annually for disease, damage and potential problems. Remedial work is to be carried out as required to meet the objectives set out above and in accordance with BS3998:2010.

New trees are to be inspected annually in September for the first five years and any dead trees are to be replaced in the next available planting season. The reason for the plants failure is to be assessed and its replacement determined accordingly.

Stakes, ties and guards are to be checked monthly from March to October, inclusive, or following frosts or high wind, and adjusted or replaced as necessary to prevent damage to the tree. After the third-year stakes and ties are to be removed if trees are self-supporting

3.2 Woodland Mix and Ornamental Shrub Planting

3.2.1 Existing Ecological Feature

Woodland mix planting is to be undertaken along the northern Site boundary to extend and strengthen the existing corridor.

3.2.2 Influencing Factors for Management

Ornamental shrub planting will be undertaken predominately within the eastern area of the Site to create formal landscaping around the entrance to the Site and the main school building. Native shrub planting is to be undertaken along the northern and southern boundaries of the Site to create and strengthen existing corridors using a woodland planting mix.

3.2.3 Objectives

The objective for shrub planting at the Site post-development is to increase the species diversity, to enhance connectivity through appropriate design and management and to create structural diversity within the Site. Management objectives for shrub planting are:

- ▲ To ensure satisfactory establishment and growth of new planting;
- ▲ Maintain planting in a healthy and attractive condition; and

- ▲ To retain their contribution to the landscape structure, for biodiversity, to create a food source to wildlife, and amenity value in accordance with BS3998:2010.

3.2.4 Implementation

Shrub planting is to be undertaken within the formal landscaping within the eastern area of the Site and more natural corridors around the Site boundaries. Many of the species are of known value to wildlife, providing a source of nectar and/ or berries for invertebrates and birds. This will also provide connectivity and add structural diversity to these areas of the Site.

Ornamental planting with known value to wildlife (native or listed on the RHS Perfect for Pollinators list) includes:

- ▲ Lavender *Lavendula angustifolia*;
- ▲ *Geranium macrorrhizum*;
- ▲ *Aster frikartii*;
- ▲ *Salvia nemorosa*; and
- ▲ *Rudbeckia fulgida*.

Woodland mix planting includes:

- ▲ Hazel *Corylus avellana*;
- ▲ Common hawthorn *Crataegus monogyna*;
- ▲ Dog-rose *Rosa canina*;
- ▲ Elder *Sambucus nigra*;
- ▲ Rosemary *Rosmarinus*;
- ▲ Lavender *Lavendula angustifolia*;
- ▲ Dogwood *Cornus sanguinea*;
- ▲ Silver birch *Betula pendula*; and
- ▲ Field maple *Acer campestre*.

Planting

Prior to planting, the ground will be prepared such that the plants can grow successfully. The soil should have a good tilth (particle size, moisture content, degree of aeration, rate of water infiltration, and drainage) so that the roots can establish. Planting will not be undertaken if the ground is suffering from hard frost or is heavily water logged.

Newly planted stock will be protected from grazing mammals, such as rabbits. Individual plants will be protected by plastic shelter guards or mesh guards, where appropriate. Protective or supporting structures will be removed as soon as possible to avoid dependence on support.

Management

Hand weeding will be completed monthly, March-October inclusive, during the first year, reduced to bi-annually by year three. Following this weeding will be completed as necessary. Pernicious weeds are to be spot treated with an appropriate herbicide three times a year for the first three years, then as required. Shrubs and herbaceous plants will be watered during periods of low rainfall if they show signs of drought stress.

General pruning will be completed as necessary to remove damaged vegetation, but will be limited to the minimum necessary to maintain the natural shape of the plant. Selective thinning of vegetation will be completed to allow best establishment and to maintain species distribution.

Gated access will be provided within the boundary fencing at the northern Site boundary to allow maintenance to the existing vegetation corridor.

Site maintenance will remove litter from shrub beds.

3.2.5 Monitoring and Remediation

Monitoring will be undertaken as part of general Site maintenance in September of each year. Any plants that die in the first five years for native species and three years for ornamental species will be replaced with the same species in the next available planting season.

3.3 Amenity Grassland

3.3.1 Existing Ecological Feature

The grassland at the Site prior to development comprised predominately semi-improved grassland supporting a limited species diversity. The development will result in the loss of much of this habitat, however, new grassland planting is proposed.

3.3.2 Influencing Factors for Management

The grassland at the Site will provide recreational and amenity value and will require appropriate management for its function.

3.3.3 Objectives

The objectives for the grassland at the Site is to:

- ▲ Ensure satisfactory establishment of grass sward; and
- ▲ Maintain healthy sward, cut appropriate to its function and use.

3.3.4 Implementation

Amenity grassland surrounding the school buildings is to be planted with Rowland Medallion turf or similar.

Planting

Ground preparation should follow the supplier's instructions with the removal of weeds, rubbish and stones of over 20 mm diameter. The turf/seed will be laid/sown following development activities during times of sufficient warmth and moisture, ideally in late spring or early autumn.

Management

Amenity grassland is to be maintained as required for its recreational/amenity function.

3.3.5 Monitoring and Remediation

Monitoring will be undertaken as part of general Site maintenance

Any poorly established amenity grassland is to be re-sown in April/May and September/October.

Rubbish, debris and surface leaf litter is to be removed and disposed of appropriately off-Site.

4.0 Fence Design for Mammal Dispersal

In order to maintain access across the Site for hedgehog, gaps approximately 13 x 13 cm are to be incorporated into the boundary fencing at approximately 10 m intervals along the northern and southern boundaries of the playing fields. No specific provision is made for hedgehog to access the eastern area of the Site to avoid potential conflict with vehicles, however, access will be maintained along the northern vegetated corridor and associated railway corridor to retain access to the wider landscape.

Access for badgers will be maintained along the northern boundary corridor and into the wider landscape, including the western area of open space (outside the Clients control). This includes existing and proposed woodland mix planting which will provide a range of resources for this species.

5.0 Species Specific Enhancements

5.1 Nesting Birds

To further enhance the ecological value of the Site, and to provide additional nesting opportunities for birds, a variety of bird boxes will be placed at suitable locations around the Site. These will be suitable to accommodate a range of species known to occur in the local area, and particularly those most likely to be attracted to the Site following the proposed development. Bird boxes, therefore, will include:

- ▲ Three hole-fronted boxes (Vivara Pro Seville 32mm Woodstone Nest Box , or similar approved product);
- ▲ Three open fronted boxes (Vivara Pro Barcelona Woodstone Open Nest Box, or similar approved product);
and
- ▲ Four swift bricks (WoodStone Build-in Swift Nest Box B, or similar approved product).

With the exception of the swift bricks, which are to be integrated into the building structure on the north-western corner at a minimum height of 5 m, the bird boxes are to be installed on retained trees and on proposed boundary fencing associated with the northern and southern vegetated corridors, with connectivity to shelter and suitable foraging habitat and in areas of the Site least likely to be disturbed. Boxes should be placed at a variety of heights (minimum 2 m) such that they are not disturbed by predators or humans, and avoiding a southerly aspect. All boxes should be of woodcrete construction to ensure their longevity and to increase the likelihood of them being used. The proposed locations of the bird boxes are shown in Figure 1.

Nest boxes are to be checked annually between November and February, inclusive, and any repairs or modifications undertaken.

5.2 Bats

To enhance the ecological value of the Site, and provide roosting opportunities for bats following the proposed development, a variety of bat roosting features will be incorporated at suitable locations around the Site. These will be suitable to accommodate a range of species known to occur in the local area and will, therefore, include ten woodcrete bat boxes (Vivara Pro WoodStone Bat Box or similar approved product). The bat boxes are to be installed on retained trees at the northern and southern boundaries of the Site which have connectivity to suitable foraging areas and are least likely to be disturbed. Bat boxes should face a southerly direction and at a height of at least 3 m. Bat boxes are to be externally checked annually and any repairs or modifications undertaken following the advice of a licenced ecologist. The proposed locations of the bat boxes are shown in Figure 1.

Landscape planting across the Site will incorporate native species, or those of known value to wildlife, to encourage pollinating insects and subsequently a food source for bats.

5.3 Invertebrates

In addition to the landscape proposals, enhancing the Site for invertebrate species, three invertebrate boxes (WoodStone Insect Block, or similar approved product) will be installed on the boundary fencing at the northern Site boundary. In order to ensure longevity, the boxes should be of woodstone or clay construction. The proposed locations of the insect boxes are shown in Figure 1.

Landscape planting across the Site will incorporate native species, or those of known value to wildlife, to encourage pollinating insects.

5.4 Habitat Pile

A habitat pile will be created using brash and grass arisings resulting from general Site maintenance. This will be placed within the Habitat corridor at the southern Site boundary. The location of the proposed habitat pile is shown in Figure 1.

5.5 Stag Beetle Loggery

In order to provide a source of deadwood for stag beetles and other invertebrates, two log piles will be created within the woodland planting mix at the northern Site boundary. Each log pile should measure a minimum of 2 m x 2 m x 1.5 m high using logs of 75-200 mm sourced from felled material on Site. Each pile should be secured with stakes to prevent piles from collapsing, and also secured with wire to prevent removal or dismantling. The location of the proposed log pile is shown in Figure 1.

6.0 Disclaimer

The recommendations contained in this Report represent Delta-Simons' professional opinions, based upon the information referred to in Section 1.0 of this Report, exercising the duty of care required of an experienced Ecology Consultant.

This Report was prepared by Delta-Simons for the sole and exclusive use of the Client and for the specific purpose for which Delta-Simons was instructed as defined in Section 1.0 of this Report. Nothing contained in this Report shall be construed to give any rights or benefits to anyone other than the Client and Delta-Simons, and all duties and responsibilities undertaken are for the sole and exclusive benefit of the Client and not for the benefit of any other party. In particular, Delta-Simons does not intend, without its written consent, for this Report to be disseminated to anyone other than the Client or to be used or relied upon by anyone other than the Client. Use of the Report by any other person is unauthorised and such use is at the sole risk of the user. Anyone using or relying upon this Report, other than the Client, agrees by virtue of its use to indemnify and hold harmless Delta-Simons from and against all claims, losses and damages (of whatsoever nature and howsoever or whensoever arising), arising out of or resulting from the performance of the work by the Consultant.

Figure 1 – Ecological Enhancement Measures

Appendix A – References

References

BS 42020:2013 Biodiversity. Code of Practice for Planning and Development

Department for Communities and Local Government (2018). National Planning Policy Framework

Royal Horticultural Society Perfect for Pollinators Garden Plants. Available at www.rhs.org.uk/perfectforpollinators

Appendix B – Management and Monitoring Programme

Management and Monitoring Programme

| Habitat/Feature | Objective | Proposed Management | Proposed Monitoring | Performance Indicators | | Remedial Actions |
|-----------------------------|--|--|--|------------------------------------|--|--|
| | | | | Poor | Good | |
| Existing and Proposed Trees | Ensure satisfactory establishment and growth of new planting | Plant species listed in Section 3.1.4. Protect with appropriate guards | Trees to be inspected annually for the successful establishment and health of individual plants | Poor growth of individual plants | Healthy plants with good habitat structure | Replace any plants that die within the first five years with the same species |
| | | Water new trees as necessary between April - September during the first two years, unless adequate rain has fallen. In subsequent years trees are to be watered only if showing signs of drought stress. | Monitor health of individual plants | Wilting plants with poor growth | Healthy plants with expected growth rate | Review frequency of watering. |
| | Maintain planting in a healthy and attractive condition, to retain their contribution to the landscape structure, biodiversity, food source to wildlife, and amenity value | Use of stakes, ties and guards are to be checked | Monitor efficiency of stakes, ties and guards monthly from March to October, inclusive, or following frosts or high wind | Poorly supported or damaged plants | Well established plants | Stakes, guards and ties adjusted or replaced as necessary to prevent damage to the tree. After the third-year stakes and ties are to be removed if trees are self-supporting |
| | | Pruning as required, grassland mowing around bases up to four times annually, March-September to prevent competition | Trees are to be inspected annually for disease, damage and potential problems. | Poor growth of individual plants | Healthy plants forming intact hedgerow | Remedial work is to be carried out as required to meet the objectives set out above and in accordance with BS3998:2010 |

| | | | | | | |
|--|--|---|---|---|--|---|
| | | Dead wood and suckers to be removed as required to ensure development of a main leader and to ensure statutory clearance from roads and footpaths is maintained. Where possible some dead wood to be left for biodiversity value. | Monitor presence of dead wood and suckers, and associated health and establishment of plant | Poorly developed plant No dead wood for biodiversity | Well established plants Some dead wood for biodiversity | Review frequency of monitoring and management practices. |
| | Retain dead wood at the Site for biodiversity value | | | | | |
| Woodland Mix and Ornamental Shrub Planting | Ensure satisfactory establishment and growth of new planting | Plant species listed in Section 3.2.4. Protect with appropriate guards | Monitor successful establishment of individual plants | Poor growth of individual plants | Healthy plants forming intact hedgerow | Replace any native plants that die within the first five years, ornamental species within the first three years with the same species |
| | | Hand weeding completed monthly, March-October, inclusive during the first year, reduced to bi-annually by year three. Subsequent weeding as necessary. Pernicious weeds spot treated three times a year for the first three years, then as required | Monitor growth of competitive weeds around individual plants | Excessive weed growth competing for resources | Lack of weed growth around new plants | Review intensity of weed treatment. Increase/decrease as appropriate |
| | | Water new shrubs if they show signs of drought stress | Monitor health of individual plants | Wilting plants with poor growth | Healthy plants with expected growth rate | Review frequency of watering. |
| | | Use of stakes, ties and guards are to be checked | Monitor efficiency of stakes, ties and guards during each visit for the first four years | Poorly supported or damaged plants | Well established plants | Stakes, guards and ties adjusted or replaced as necessary to prevent damage. Removed after four years |
| | Maintain planting in a healthy and attractive condition, to retain their contribution to the | | | | | |

| | | | | | | |
|-------------------|---|---|--|--|--|---|
| | landscape structure, biodiversity, food source to wildlife, and amenity value | General pruning completed as necessary to remove damaged vegetation. Limited to maintain the natural shape of the plant. Selective thinning of vegetation will be completed to allow best establishment and to maintain species distribution. | Monitor health and distribution of individual plants | Poor growth and structure | Desired structure and distribution | Review frequency and method of cutting. Re-plant any gaps that establish due to poor specimens |
| | | Remove litter and debris | Monitor presence and extent of litter | Excessive litter impacting on health and amenity of planting | Litter free, healthy and attractive planting | Review frequency of litter management and remedial matters such as provision of bins |
| Amenity Grassland | Ensure satisfactory establishment of grass sward | Plant grass mixes listed in Section 3.3.4 in autumn or spring | Monitor successful establishment of grass | Poor establishment of sward structure | Healthy sward | Re-seed as appropriate in the next available planting season. Review cutting regime and increase/decrease as appropriate |

| | | | | | | |
|---|--|--|---------------------------------------|--|---|---|
| | Maintain healthy and biodiverse sward, cut appropriate to its function and use | Amenity grassland is to be maintained as required for its function | Monitor sward structure | Poor sward coverage | Healthy sward coverage | Review cutting regime and increase/decrease as appropriate |
| Bird Nest Boxes, Bat Boxes and Invertebrate Boxes | Create additional habitat for nesting birds and roosting bats | Install bird/ bat boxes described in Section 5 | Annual monitoring of boxes for damage | Damaged boxes / boxes not utilised by wildlife | Intact boxes used by intended species | Repair / modify where required |
| Habitat Piles and Loggeries | Create additional habitat for a range of faunal species | Create habitat pile and loggeries as described in Sections 5.4 | Monitor for structural damage | Poor quality/damaged habitats | Good structure and suitability for wildlife | Repair/ add additional material resulting from general Site maintenance |

Appendix C – 10 Year Management Programme

10 Year Management Programme

| General | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Years 6-10 |
|----------------|---|--------|--------|--------|--------|------------|
| Litter picking | All litter cleared during each maintenance visit, and in response to any reported litter/fly-tipping. All litter disposed of off-Site | | | | | |

| Existing and Proposed Trees | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Years 6-10 |
|-----------------------------|---|--------|---|--------|--------|------------|
| Existing tree | Annual inspection for disease, damage and potential problems – remedial work to be carried out as required in accordance with BS3998:2010 | | | | | |
| New Trees | Water between April and September as necessary | | Water if showing signs of drought stress | | | |
| | Inspect trees annually in September and replace dead trees in the next available planting season | | | | | |
| | Annual inspection for disease, damage and potential problems – remedial work to be carried out as required in accordance with BS3998:2010 | | | | | |
| | Check stakes, ties and guards monthly from March to October, inclusive and after frosts or high winds, and adjust or replace as necessary | | Remove stakes and ties if trees are self-supporting | | | |
| | Remove dead wood, where necessary, and suckers as required | | | | | |

| Woodland Mix and Ornamental Shrub Planting | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Years 6-10 |
|---|---|---------------|---------------------------|---------------|--|-------------------|
| | Inspect annually in September and replace dead plants in the next available planting season | | | | | |
| | Hand weed monthly, March-October, inclusive during the first year, reduced to bi-annually by year three | | Remove weeds as necessary | | | |
| | During each visit check and replace any missing shelters and re-secure as necessary | | | | Remove shelters once plants have established | |
| | Carry out general pruning to remove dead or damaged vegetation, but limit to the minimum necessary to retain the natural shape of the plant | | | | | |
| | Selectively thin vegetation to allow best establishment and species distribution | | | | | |
| | Water to field capacity during periods of low rainfall if plants show signs of drought stress | | | | | |

| Amenity Grassland | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Years 6-10 |
|--------------------------|---|---------------|---------------|---------------|---------------|-------------------|
| Amenity Grassland | Maintained as required for its recreational function. | | | | | |

| Species Enhancements | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Years 6-10 |
|----------------------|---|--------|--------|--------|--------|------------|
| Bird Nest Boxes | Checked annually between November and February, inclusive, and any repairs or modifications undertaken. Relocate bird boxes to a different area of the Site in Year 6 if showing no signs of use. | | | | | |
| Bat Boxes | Checked annually by a licenced bat ecologist and any repairs or modifications undertaken. | | | | | |
| Invertebrate Boxes | Checked annually as part of general Site maintenance and repairs undertaken | | | | | |
| Habitat Pile | Checked as part of general Site maintenance and repairs undertaken. Additional material added regularly from shrub and grassland management | | | | | |