

Application No. F/23/95161: Installation of an engineered berm and associated landscaping on the 5th hole to create visual and acoustic screening from the major roads running parallel to the site.

## Condition 6: Landscaping Scheme

### Introduction

Eastleigh Borough Council has granted permission for the above-mentioned scheme. Planning Condition 6 requires the provision of a landscaping scheme.

- 6 Prior to commencement, a landscaping scheme shall be submitted to and approved in writing by the Local Planning Authority. The scheme shall cover the following:
- a. All soft landscaping;
  - b. Biodiversity enhancements;
  - c. Enhanced habitats for animals/ protected species;
  - d. Additional tree planting (in compliance with the Council's Trees and Development SPD);
  - e. Details of timings for all landscaping and any future maintenance and management.
- The works shall be carried out in accordance with the approved details and to the appropriate British Standard, and maintained thereafter.

Reason: In the interests of the visual amenity of the locality and to safeguard the amenities of neighbouring residents.

This document and accompanying plans provide the necessary information.

### 6a. Landscaping Proposals

The proposals seek to enhance the existing golf course landscape in this part of the site by introducing a range of native tree and shrub planting areas to support the Client's aim to improve biodiversity and landscape and visual amenity as well as acoustic screening from the M27 and its associated slip road (Junction 7) which is located to the east of the site.

### 6b. Biodiversity Enhancements

The following biodiversity enhancements will be delivered through the landscaping proposals, that will deliver the Biodiversity Net Gain demonstrated at the planning application stage. These measures can be seen in the Landscaping Proposals above. Associated timings for the enhancements are set out in Section 6e.

| Broad Habitat Type  | Proposed Compensation or Enhancement Measure                               | Target Condition | Delivery Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|----------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grassland           | Enhance 0.315ha of other neutral grassland from poor to moderate condition | Moderate         | <p>In order to maximise the value of these habitats for wildlife the following management is recommended:</p> <ul style="list-style-type: none"> <li>Sow seed mix in spring or autumn following instructions on the Emorsgate website (<a href="https://wildseed.co.uk/product/mixtures/complete-mixtures/general-purpose-meadow-mixtures">https://wildseed.co.uk/product/mixtures/complete-mixtures/general-purpose-meadow-mixtures</a>). Leave grass, wildflowers and annual weeds to grow until early August, then cut and remove arisings. If any perennial weeds such as docks persist, dig these out.</li> <li>To maximise the benefits to wildlife, the grass should be managed as per traditional hay meadow – with no cutting from spring through to July/early August. After flowering in July/early August, cut to 5cm, leave the arising to set seed for 1-7 days, then remove arisings. Grass can then be mown as desired to 5cm through to late autumn/winter and once more in early spring if necessary.</li> </ul> <p>In order to satisfy the criteria for moderate condition as per the Metric 4.0, the following must apply:</p> <ul style="list-style-type: none"> <li>The appearance and composition must fit the UKHab definition of Other neutral grassland;</li> <li>The sward height must be varied with at least 20% of the sward &gt;7cm in height, and 20% &lt;7cm;</li> <li>No bracken or scrub encroachment should be allowed to establish;</li> <li>No invasive non-native species should be present.</li> </ul> |
| Heathland and Shrub | Creation of 0.145ha of mixed scrub to achieve moderate condition           | Moderate         | <p>A band of mixed scrub comprising field rose, holly, gorse, common broom, silver birch and hazel will be planted along the back of the bund, adjacent to the eastern site boundary.</p> <p>In order to satisfy the criteria for moderate condition as per the Metric 4.0, the following must apply:</p> <ul style="list-style-type: none"> <li>The appearance and composition must fit the UKHab definition of mixed scrub;</li> <li>At least 80% of the scrub should be native, with at least three native woody species, with no single species comprising more than 75% of the cover;</li> <li>The scrub must have a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat;</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Broad Habitat Type | Proposed Compensation or Enhancement Measure              | Target Condition | Delivery Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-----------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    |                                                           |                  | <ul style="list-style-type: none"> <li>No invasive non-native species should be present and species indicative of sub-optimal condition<sup>1</sup> make up less than 5% of ground cover.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Individual trees   | 18no. new individual trees to achieve moderate condition. | Moderate         | <p>18no. new trees will be planted across the face of the bund. The trees will reach a target size of medium (&gt;30cm - ≤90cm Diameter at Breast Height (DBH)) within 30 years post development. Species to be planted include field maple <i>Acer campestre</i>, lime <i>Tilia europaea</i> and pedunculate oak <i>Quercus robur</i>.</p> <p>In order to satisfy the criteria for moderate condition as per the Metric 4.0, the following must apply:</p> <ul style="list-style-type: none"> <li>The trees are of native species;</li> <li>There will be little to no adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity);</li> <li>The trees will retain &gt;75% of expected canopy for their age range and height;</li> <li>More than 20% of the tree canopy area will oversail vegetation beneath.</li> </ul> |

## 6c. Enhanced Habitats for Animals /Protected Species

The provision of the replacement planting features will be of benefit to a wide range of fauna. In addition, the following enhancements will also be incorporated into the development:

- Two pairs of Schwegler 1b hole nest boxes will be installed on trees in the adjacent woodland to the north-west;
- Reptile refugia provided as part of reptile receptor area and maintained;
- Reptile hibernaculum constructed along the boundary.

Refer to Landscape Masterplan for locations (Appendix B)

## 6d. Additional Tree Planting

Further tree planting will be delivered in accordance with the requirements of EBCs Trees Supplementary Planning Document.

<sup>1</sup> Species indicative of sub-optimal condition for this habitat type may include: non-native conifers, tree-of-heaven *Alianthus altissima*, holm oak *Quercus ilex*, European turkey oak *Quercus cerris*, cherry laurel *Prunus laurocerasus*, snowberry *Symphoricarpos* spp., shallon *Gaultheria shallon*, American skunk cabbage *Lysichiton americanus*, buddleia *Buddleja* spp., cotoneaster *Cotoneaster* spp., Spanish bluebell *Hyacinthoides hispanica* and hybrid bluebells *Hyacinthoides x massartiana*. There may be additional relevant species local to the region and or site.

The proposed scheme includes 18no. new native specimen trees and c.0.11Ha of new native heathland scrub planting.

NB: Final positioning of trees may need to be adjusted slightly to maintain golf sightlines where required.

Refer to Landscape Masterplan for locations (Appendix B)

## **6e. Details of Timings for Landscaping and Maintenance/Management**

Timing of the implementation of the landscape works will be in accordance with the construction programme (likely to be between March 2024 - November 2024).

All works would be implemented and maintained in accordance with the Soft Landscape Specification (J01188 Boundary Lakes GC\_5th Hole\_Soft Landscape Specification) included in Appendix C.

Prepared by:

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Matthew Johns CEnv MCIEEM

17/01/2024

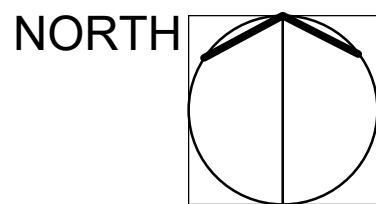
## APPENDIX A – LOCATION PLAN



**JOHNS**  
ASSOCIATES



Site boundary



| REF          | NOTES                                     | DATE        |
|--------------|-------------------------------------------|-------------|
| CLIENT       | HAMPSHIRE CRICKET LTD                     |             |
| PROJECT      | BOUNDARY LAKES GOLF CLUB<br>5th HOLE BUND |             |
| TITLE        | SITE LOCATION PLAN                        |             |
| SCALE @ A1   | CREATED BY                                | CHECKED BY  |
| 1:5000@A1    | JH                                        | MJ          |
| REFERENCE    | REVISION                                  | DATE ISSUED |
| J01188-LO-01 |                                           | 2023/12/21  |

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## APPENDIX B – LANDSCAPE MASTERPLAN

PROPOSED PLANT SPECIES MIXES

| Tree Planting Species           | Size | Height | No. |
|---------------------------------|------|--------|-----|
| Acer campestre (Field Maple)    | EHS  | 3.5-4m | 5   |
| Tilia europaea (Lime)           | EHS  | 3.5-4m | 6   |
| Quercus robur (Pedunculate oak) | EHS  | 3.5-4m | 7   |

Trees to be double staked and fitted with irrigation tubes.

Heathland Scrub Mix

- Field rose *Rosa arvensis* (10%)
- Holly *Ilex aquifolium* (10%)
- Gorse *Ulex europaeus* (10%)
- Common Broom *Cytisus scoparius* (20%)
- Silver Birch *Betula pendula* (25%)
- Hazel *Corylus avellana* (25%)

Planting to comprise 1+1 transplants at c.1.5m centres = c.460no. plants.

All plants to be protected with shelter / rabbit guards as appropriate.

Additionally, brash arisings containing a suitable seedbank with a heathland mix of local provenance will also be used where available.

Ecological Rough and Wildflower Meadow Mix (beyond Semi-rough 5m and including carries)

Emorsgate EM3 Special General Purpose Meadow Mix

Grasses -

- Common bent *Agrostis capillaris*
- Crested dogstail *Cynosaurus cristatus*
- Slender creeping red-fescue *Festuca rubra*
- Smaller cat's-tail *Phleum bertolonii*
- Smooth-stalked meadow-grass *Poa pratensis*

Flora -

- Yarrow *Achillea millefolium*
- Agrimony *Agrimonia eupatoria*
- Betony *Betonica officinalis*
- Common knapweed *Centaurea nigra*
- Greater knapweed *Centaurea scabiosa*
- Wild carrot *Daucus carota*
- Hedge bedstraw *Galium album*
- Lady's bedstraw *Galium verum*
- Field scabious *Knautia arvensis*
- Rough hawkbit *Leontodon hispidus*
- Oxeye daisy *Leucanthemum vulgare*
- Musk mallow *Malva moschata*
- Wild majoram *Origanum vulgare*
- Hoary plantain *Plantago media*
- Salad burnet *Poterium sanguisorba*
- Cowslip *Primula veris*
- Selfheal *Prunella vulgaris*
- Meadow buttercup *Ranunculus acris*
- Bulbous buttercup *Ranunculus bulbosus*
- Yellow rattle *Rhinanthus minor*
- Common sorrel *Rumex acetosa*
- Red campion *Silene dioica*
- Ragged robin *Silene flos-cuculi*
- White campion *Silene flos-cuculi*
- Dandelion *Taraxacum officinale*
- Common vetch *Vicia sativa ssp. Segetalis*

General Meadow Mix for Sandy Soils

Emorsgate EM7 Meadow Mixture for Sandy Soils

Grasses -

- Common bent *Agrostis capillaris*
- Brown Bent *Agrostis vinealis*
- Sweet vernal grass *Anthoxanthum odoratum*
- Crested dogstail *Cynosaurus cristatus*
- Sheep's fescue *Festuca ovina*
- Slender creeping red-fescue *Festuca rubra*
- Crested Hair-grass *Koeleria macrantha*
- Smaller cat's-tail *Phleum bertolonii*

Flora -

- Yarrow *Achillea millefolium*
- Agrimony *Agrimonia eupatoria*
- Kidney vetch *Anthyllis vulneraria*
- Betony *Betonica officinalis*
- Ling *Calluna vulgaris*
- Common knapweed *Centaurea nigra*
- Greater knapweed *Centaurea scabiosa*
- Wild carrot *Daucus carota*
- Lady's bedstraw *Galium verum*
- Rough hawkbit *Leontodon hispidus*
- Oxeye daisy *Leucanthemum vulgare*
- Musk mallow *Malva moschata*
- Wild majoram *Origanum vulgare*
- Hoary plantain *Plantago media*
- Cowslip *Primula veris*
- Selfheal *Prunella vulgaris*
- Meadow buttercup *Ranunculus acris*
- Bulbous buttercup *Ranunculus bulbosus*
- Common sorrel *Rumex acetosa*
- Sheep's sorrel *Rumex acetosella*
- Bladder campion *Silene vulgaris*
- Wood sage *Teucrium scorodonia*
- Dark mullein *Verbascum nigrum*

Woodland

\* M5  
\* M5

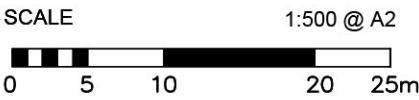


KEY

- Site boundary
- Existing contours at 1m intervals and spot levels
- Proposed contours at 1m intervals and spot levels
- Proposed trees
- Proposed Traditional Golf Bunker  
Graded to create smooth flowing and natural looking bunker. Drainage trenches and soakaway to be dug out so perforated drainage pipes can be placed underneath bunker, surrounded by coarse aggregate. Geotextile layer placed above aggregate and covered with bunker sand. Turf layer placed on top of top soil around edge of bunker.
- Proposed Heathland Habitat Mix  
Establishment of new areas of dry heathland habitat. Planting to comprise 1+1 transplants at c.1.5m centres. All plants to be protected with shelter / rabbit guards as appropriate. Additionally, brash arisings containing a suitable seedbank with a heathland mix of local provenance will also be used where available.
- Proposed Golf Course Wildflower Mix  
Areas to comprise a combination of two mixes:
  - General Meadow Mixture eg Emorsgate EM7 Meadow Mixture for Sandy Soils.
  - Ecological Rough and Wildflower Meadow Mix eg Emorsgate EM3 (beyond semi-rough) areas
- Proposed Golf Course Greens and Tee Turf  
Premium quality fine amenity turf suitable for golf course applications to Golf Specialist's details.
- 1B Schwegler Bird nesting box. North-east facing (mounted on retained trees where indicated 2m or higher).
- Reptile hibernacula.
- Reptile refugia provided as part of reptile receptor area and maintained.

| rev | description | date       | by | chk |
|-----|-------------|------------|----|-----|
| D   | PLANNING    | 16-01-2024 | JH | MJ  |
| C   | PLANNING    | 21-12-2023 | JH | MJ  |
| B   | PLANNING    | 09-05-2023 | HC | MJ  |
| A   | PRELIM      | 02-05-2023 | HC | MJ  |
| -   | PRELIM      | 27-04-2023 | LS | MJ  |

|            |                                       |       |
|------------|---------------------------------------|-------|
| D 16-01-24 | Additional native scrub area added    | NORTH |
| C 21-12-23 | Additional reptile hibernaculum added |       |
| B 09-05-23 | BNG Improved                          |       |
| A 02-05-23 | Bunker area amended                   |       |



Project:  
**BOUNDARY LAKES GOLF CLUB  
5th HOLE BUND**

Client:  
**HAMPSHIRE STADIUM**

Drawing title:  
**LANDSCAPE MASTERPLAN**

Status:  
**PLANNING**

|                                        |                           |                       |
|----------------------------------------|---------------------------|-----------------------|
| Drawing Number:<br><b>J01188-MP-01</b> | Scale:<br><b>1:500@A2</b> | Revision:<br><b>D</b> |
|----------------------------------------|---------------------------|-----------------------|

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**PROPOSED BIODIVERSITY MEASURES KEY**

M1 - h3h Mixed scrub  
M2 - g3c Other neutral grassland  
M3 - g4 Modified grassland  
M4 - Tree planting  
M5 - Schwegler b1 hole nest boxes. Boxes installed in on trees in adjacent woodland.  
M6 - Common reptiles - habitat restoration and enhancement to include a reptile hibernacula constructed along the boundary.

Please refer to the Biodiversity Mitigation and Enhancement Plan (Johns Associates 2023) for full details and specification.

Locations shown are indicative of general areas they apply to.

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## APPENDIX C – SOFT LANDSCAPE SPECIFICATION



**JOHNS**  
ASSOCIATES

# Boundary Lakes Golf Club

Installation of an engineered berm and associated landscaping on the 5th hole to create visual and acoustic screening from major roads

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## Soft Landscape Specification

J01188 / Version 1.0

Client: Hampshire Cricket Club

Date: December 2023

# DOCUMENT CONTROL

Report prepared for:

Hampshire Cricket Club

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## DOCUMENT REVISIONS

| Version | Details                      | Date       |
|---------|------------------------------|------------|
| 1.0     | Soft Landscape Specification | 2023-12-21 |
|         |                              |            |
|         |                              |            |
|         |                              |            |

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## APPENDICES

Appendix A: J01188-LO-01 Site Location Plan

Appendix B: J01188-MP-01 Landscape Masterplan

# 1 INTRODUCTION

## 1.1 BACKGROUND

Johns Associates have been commissioned by Hampshire Cricket Club (HCC) to prepare detailed soft landscape proposals to support the discharge of Condition 6 associated with planning application No. F/23/95161.

The scope of the proposed works is for the installation of an engineered berm and associated landscaping on the 5th hole to create visual and acoustic screening from the major roads running parallel to the site at the Boundary Lakes Golf Club.

The site is located at the Boundary Lakes Golf Club, The Ageas Bowl, Botley Rd, West End, Southampton SO30 3XH and is shown on drawing J01188-LO-01, and is included in Appendix A.

## 1.2 SUMMARY OF PROPOSALS

The proposals seek to enhance the existing golf course landscape in this part of the site by introducing a range of native tree and shrub planting areas to support the Client's aim to improve biodiversity and landscape and visual amenity as well as acoustic screening from the M27 and its associated slip road (Junction 7) which is located to the east of the site.

Total area of new planting proposed is c.0.11Ha.

New native tree and heathland scrub planting is proposed to connect with established woodland areas to improve the site's landscape framework and to help to reinforce the eastern boundary of the golf course.

The proposed planting areas are shown on drawing J01188-MP-01 (Appendix B).

## 1.3 SCOPE OF WORKS

The works comprise the following:

- Proposed native tree and shrub planting
- Wildflower grass seeding
- Amenity turf
- Installation of reptile refugia / hibernacula
- Installation of bat boxes
- 12 months maintenance

## 1.4 REFERENCE DOCUMENTS

This document is to be read in conjunction with the following current drawings and documents:

- Landscape masterplan J01188-MP-01

## 2 IMPLEMENTATION

### 2.1 GENERAL

All landscape works shall be undertaken to recognised good horticultural practice and to relevant British Standards. The quality of all landscape works shall be carried out in accordance with British Standard 4428:1989 'Code of Practice for General Landscape Operations'.

All trees and other plants included within the approved details shall be healthy, well-formed specimens of a minimum quality that is compatible with British Standard 3936:1992 (Part 1) 'Specification for Trees & Shrubs' and British Standard 4043 (where applicable).

All works to be agreed and managed by an appointed Contract Administrator/Site Manager (CR). The management and maintenance regimes for the Site, as specified in this document, will be carried out by a suitably experienced landscape contractor appointed by Hampshire Cricket Club (HCC), and overseen by a suitably qualified consultant landscape architect (SQA) or ecologist (SQE), as required: these are collectively referred to as the client representative (CR). Appointments are to be agreed.

All works to be undertaken and supervised by a competent professional landscape contractor.

The first 12 months establishment and maintenance will be the responsibility of the landscape contractor as appointed by HCC. It may be necessary for some of the works to be phased depending on the timing of works.

At the end of the 12-month establishment / defects period for all completed works, these will then be managed in accordance with an approved Landscape & Ecological Management Plan (LEMP).

### 2.2 BIOSECURITY & LOCAL PROVENANCE

In the interest of Biosecurity, trees should not be imported directly from European suppliers and planted straight into the field, unless they have appropriate certification that they are 100% disease free and have come from an area with no known horticultural diseases; If disease free certification is not possible, the trees shall have spent a full growing season in quarantine, in a British nursery to ensure plant health and non-infection by foreign pests and diseases. This is a measure to address the threat of the introduction of pests and diseases from outside the UK. For current advice refer to DEFRA website: <https://www.gov.uk/government/collections/importing-and-exporting-plants-and-plant-products>

The landscape contractor must demonstrate local provenance sourcing of all native trees and shrubs where possible and appropriate to follow best practice to sustain regional biodiversity.

## 2.3 IMPLEMENTATION OF THE WORKS

### 2.3.1 General

All works should be implemented in accordance with the details and specifications set out in this report and those contained on the drawings in Appendix B.

Planting shall be maintained by the landscape contractor for a minimum period of 12 months following Practical Completion, with any defective planting replaced at the end of the first year (or before).

Certain maintenance procedures described within this document may require the use of chemicals, therefore it is important that any safety warnings and all instructions issued by the chemical manufacturers/suppliers should be carefully read and strictly adhered to at all times.

### 2.3.2 Preparation

The contractor must ascertain the exact location of all underground services.

All setting out to be undertaken by the appointed contractor using a setting out engineer and agreed with CR prior to commencing works.

Excavation shall NOT be undertaken within the root protection area of any existing trees or shrubs to be retained.

Under existing trees / within tree root protection areas, except where minor regrading is noted, only the top 100mm of existing soil shall be prepared, by hand, to prevent damage to underlying roots.

In new planting areas to be topsoiled, away from existing trees, the underlying subsoil shall be broken up / ripped as required to provide adequate drainage.

Minimum topsoil depths (outside any tree RPA areas) shall normally be:

- Shrub areas: 400mm depth,
- Trees: 700mm depth.

Proposed topsoil depths generally (away from tree root protection areas) shall not normally exceed 300mm, with suitable and loosened subsoil providing the remainder of the minimum rooting depth.

Topsoiled areas shall be kept weed-free prior to planting by hand weeding or use of non-residual herbicides.

Imported topsoil, if required, should be compatible in pH with existing soil on site and shall comply with BS3882: 2015 Topsoil Specification. A topsoil analysis certificate is required to indicate compliance with this specification.

New plants, where specified, shall be carefully pit planted.

Additional PAS 100 peat free organic matter shall be incorporated into the soil into pit planting stations only at a ratio of 10% by volume of the backfill mix and thoroughly mixed in prior to planting.

### 2.3.3 Topsoil Analysis

Prior to planting, it is recommended that the physical and chemical parameters of representative samples of the placed topsoil (to be tested for amenity landscape use) in accordance with BS3882:2015.

**NB: The need for targeted applications of slow-release fertilizer within backfill mix for planting pits to be confirmed depending on soil analysis samples.**

### 2.3.4 Proposed Planting Specification

All plant stock to be in accordance with the relevant sections of BS3936 'Specification of Nursery Stock'. Plants shall be first class examples of their species or variety, free from all pests and diseases, with good fibrous root systems and materially undamaged.

#### *Plants/ Trees - Specification Criteria*

- Name, forms, dimensions and other criteria: To the relevant part of BS 3936.
- Quality: It is essential that the plants on site are of the highest quality specimens.
- Condition: Materially undamaged, sturdy, healthy and vigorous.
- Appearance: Of good shape and without elongated shoots.
- Hardiness: Grown in a suitable environment and hardened off.
- Health: Free from pests, diseases, discoloration, weeds and physiological disorders.
- Root system and condition: Balanced with branch system.
- Species: True to name.
- Origin/ Provenance: Contractor to demonstrate local provenance where possible and appropriate. Definition: Origin and Provenance have the meaning given in the National Plant Specification.
- Inspection: Plants to be collected together in the nursery for inspection if requested by the CR prior to delivery to site.

#### ROOTBALLED TREES

The trees shall have a good well-formed root ball with dimensions according to the species and size of the tree. The diameter of the rootball is usually at least three times the size of the girth, measured at 1 metre above ground level. Rootballed trees shall be adequately supported by wire mesh and hessian, or other suitable material to prevent collapse of the rootball. The rootball shall be of sufficient size to contain the fibrous roots. Trees, which have a collapsed rootball or expose major parts of the root system will be rejected.

#### FEATHERED TREES

Feathered trees shall be furnished with a single leader and well-developed laterals to ground level with uniform and full leaf coverage appropriate to their age and species/type. Stems shall be straight and uniform and free from abrasions and stem girdling. All plants shall have a strong fibrous well developed but compact root system with root spread proportional to the size of the tree with a reasonable proportion of fine fibrous rootlets. The roots shall not be torn or lacerated.

## BARE ROOT TREES

All bare rooted tree stock shall have a strong fibrous root structure. The root systems shall be well developed but compact with root spread proportional to the size of the tree with a reasonable proportion of fine fibrous rootlets. The roots shall not be torn or lacerated.

## WHIPS AND TRANSPLANTS

All plants shall conform generally to BS 3936 Part 4 for Forest Trees and as further described in the plant schedules. They shall show a high degree of growth in their stem, shoots, and leaf cover appropriate to their age and species, and shall have a strong and well-developed fibrous root structure. The requirements given in the plant schedules constitute a guide to the required heights, and number of breaks (where appropriate) in the lower third. Plants shall be appropriately spaced to allow full and uniform leaf coverage to develop to the crown, evenly radiated around its stem.

All plants shall, on delivery, be free from diseases and pests and be materially undamaged.

Bare Root Stock shall be dipped into root dip mixed according to the manufacturer's recommendations as soon as is possible after lifting. The stock shall then be bundled in batches, of species, height or individually and the roots placed in a suitable plastic bag, to prevent drying out during transport and prior to planting.

## CONTAINER GROWN PLANTS / TREES

- Growing medium: With adequate nutrients for plants to thrive until permanently planted.
- Plants: Centred in containers, firmed and well-watered.
- Root growth: Substantially filling containers, but not root bound, and in a condition conducive to successful transplanting.
- Hardiness: Grown in the open for at least two months before being supplied.
- Containers: With holes adequate for drainage when placed on any substrate commonly used under irrigation systems.

## PLANT HANDLING & OPERATIONS

Plant handling at the nursery, and during transit up to delivery, shall be in accordance with 'Plant Handling', the booklet published by the Committee for Plant Supply and Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association) which refers to the receipt, unloading and temporary storage of plants.

All planting operations to be in general compliance with BS4428:1989 'Code of Practice for General Landscape Operations.'

Planting shall not be carried out during periods of frost, drought, cold drying winds or when the soil is waterlogged or frozen. Carry out all work while soil and weather conditions are suitable.

Do not move, spread or cultivate soil for planting areas in unsuitable weather conditions; when it is wetter than the plastic limit, when the ground is frozen or covered by snow.

Do not plant during periods of frost or strong winds. Plant only during the following periods:

- Deciduous trees and shrubs: Late October to late March

- Container grown plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided

All planting that is within the root protection area of existing trees/shrubs to be retained shall be undertaken by hand and positions altered should tree roots be encountered, to avoid damage to the root system.

All plants shall be set out evenly over the areas as indicated and to the density and quantities shown.

**All plants shall be planted upright at the same depth as the nursery soil level and evenly spaced, leaving room for growth.**

All restrictive containers shall be removed with roots not twisted. Subsoil, stones, debris, wrapping material, canes, ties, temporary labelling, rubbish, prunings and other arisings to be removed from site.

Bare root transplants to be dipped with anti-desiccant and mycorrhizal root dip to manufacturer's instructions prior to planting.

The contractor shall make full allowance for provision of all cranes, lifting tackle, tree collars etc. required for lifting trees into position having confirmed the weight and dimensions of all the trees reserved with the nursery supplier(s). Any use of cranes shall be agreed and coordinated with the client or client's representative, agree haul routes, types of tracks on vehicles etc. prior to commencing tree deliveries. Make good at no extra cost to the contract, any damage incurred to finished kerbs, hardstanding etc. during planting.

Trees shall be planted at the same depth at which they were previously growing. Great care shall be taken to avoid damage to the root systems, stems and crowns when planting and when removing crates and containers. Any damaged trees shall be taken off site and replaced at no additional cost.

All plants to be firmed, watered-in and any dead, damaged, or lopsided branches shall be removed after planting.

#### PREPARATION OF AREAS PRIOR TO PLANTING

- Setting out: Ensure all proposed planting areas are set out in accordance with the approved drawings.
- Install boundary fencing (where proposed).
- Preparation: Cut all non-woody vegetation (grass / herbs) within proposed planting areas and remove arisings.
- Weed control: Apply non-residual selective weed control to achieve 600mm dia. weed-free area around each planting station prior to planting. Each planting station to be kept weed-free for at least the first 3 years or until the canopy closes by hand, mechanical means, or selective weed control as required.

## PLANTING

### Transplants

Transplants and containerized plants shall be pit planted in a planting pit sufficient to accommodate the plant without causing root damage, with a minimum 50mm backfill beyond the root ball extent. Transplants (60-80cm high) and containerized plants to be pit planted in holes 300 x 300 x 300mm, using 'as dug' topsoil and incorporating c.10% by volume of non-peat planting compost within backfill mix at the time of planting.

### Feathered Trees

Feathered trees to be pit planted in 500mm x 500mm x 500mm deep holes using 'as dug' topsoil and subsoil as backfill gently placed in 150mm layers and incorporating c.10% by volume of non-peat planting compost within backfill mix at the time of planting.

### Standard Trees

- Pit sizes: 750mm x 750mm square pits x 600mm deep
- Depth of topsoil can be c.350-400mm with the remainder using approved free-draining subsoil (non-clay) free of contaminants.
- Sloping ground: Maintain horizontal bases and vertical sides with no less than minimum depth throughout. Adjoining sloping ground to be smoothly and evenly married in around tree pit.
- Pit bottoms: With slightly raised centre. Break up to a depth of 200 mm.
- Pit sides: Scarify.
- Backfilling material: Tree backfilling material using 'as dug' topsoil and subsoil gently placed in 150mm layers using and incorporating c.10% by volume of non-peat planting compost within backfill mix at the time of planting.
- Accessories:
  - Irrigation tubes
  - Stakes and rubber ties

NB: Excess material from pit excavation to be loosely spread in adjoining areas.

## LABELLING AND INFORMATION

General: Provide each plant/ tree or group of plants/ trees of a single species or cultivar with supplier's labelling for delivery to site, showing:

- Full botanical name.
- Total number.
- Number of bundles.
- Supplier's name.
- Plant specification, in accordance with scheduled National Plant Specification categories.

## COMPOST

Sanitized and stabilized compost to PAS 100 or similar approved and sourced locally where possible.

**Do not use peat or products containing peat.**

Plants to be firmed, watered-in and dead, damaged, or lopsided branches shall be removed after planting.

## PROTECTION

### Staking Generally

Stakes: Softwood, peeled chestnut, larch or oak, straight, free from projections and large or edge knots and with pointed lower end.

- Preservative treatment: None.
- Nails: To BS 1202-1, galvanized, minimum 25mm long and with 10mm diameter heads.
- Stake size (minimum): 75mm diameter.

Standard tree stock to HS 12-14cm girth (+) to be double staked.

Standard trees (10-12cm) and Feathered tree stock shall be single staked and secured with rubber tree ties.

Transplants and 3L containerised stock shall be fitted with appropriate biodegradable shelter to suit size of plant eg Tubex Nature / Green-Tech or similar.

Shelters need to be well anchored; use a quality square stake, inserted into the ground to at least 1/3 of the stake height. Using the shelters natural strength push it lightly into the ground to remove the gap at the base.

### Double Staking (Standard Trees 1-12cm girth +)

Standard trees to be staked using 75mm diameter x 1800mm long untreated softwood pointed stake. Stakes to be driven into ground 1000mm below finished soil level and finish c.800mm above and positioned on windward side. firmly fix tree to windward side of wood crossbar with nylon reinforced rubber tie and extra-large tree pad.

### Short Single Staking

For all other Standard and Feathered Tree stock. Position stake close to tree on windward side and drive vertically at least 600mm into bottom of pit before planting. Consolidate material around stake during backfilling. Cut the stake to approximately 600mm above ground level. Secure tree firmly but not rigidly to the stake with:

Belts, Pads and Spacers available from:

J Toms Ltd. 7 Marley Farm, Headcorn Road, Smarden, Ashford, Kent TN27 8PJ

Tel: 01233.770066 Fax: 01233.770055

### Plant Protection for Native Structure Planting

All native mix planting areas shall be protected from rabbit damage with appropriate tree and shrub guards, depending upon species:

Manufacturer: Tubex Ltd, Aberaman Park, Aberaman, Aberdare, Glamorgan, CF44 6DA, Tel: 01685 888000 Fax: 01685 888001 or equal and approved.

Tubex Shrubshelter & Shrubshelter Plus: Suitable for landscaping projects with mixed planting stock including containerised shrub species such as Ilex.

Tree and shrub shelters to be installed in accordance with manufacturer's recommendations including:

- Choice of tree shelter height depends on the wildlife present on site (assuming rabbits).
- Shelters need to be well anchored; use a quality square stake, inserted into the ground to at least 1/3 of the stake height.
- Ensure the stake is below the flared rim at the top of the Shrubshelter.
- Using the shelters natural strength push it lightly into the ground to remove the gap at the base.

#### Additional Tree Protection (Standard and Feathered Trees)

Clear recycled plastic spiral guards to be located around base of trees where necessary to deter animal browsing eg Tubex Ecowrap by Green Tech or similar approved.

### 2.3.5 Proposed Wildflower / Grassland Mix (For Ecosystem Corridors and Reinstatement Areas)

- General Meadow Mixture eg Emorsgate EM7 Meadow Mixture for Sandy Soils.
- Ecological Rough and Wildflower Meadow Mix eg Emorsgate EM3 (beyond semi-rough) areas

The mixes are to be sown according to the manufacturer's instructions and the ground/soil will need to be carefully prepared. These mixes include robust and flexible species that adapt well to a range of soil and nutrient conditions and are not soil dependent and will thrive on a range of soil types and designed to be colourful and simple to establish as well as supporting wildlife.

Application rate: 3-4g/m<sup>2</sup>. Sowing season: Autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. Seed bed to be carefully prepared using retained site soil cultivated and prepared to create a fine tilth prior to sowing.

**NB: Mix to also include a high percentage of Yellow Rattle (*Rhinanthus minor*) to reduce the prevalence of dominant grasses and to facilitate the colonisation of a diverse herb community.**

No fertiliser is to be applied to these areas to reduce competition from grasses.

### 2.3.6 Timing of Works

All planting shall be undertaken, at the latest, within the first planting season (1st November to 31st March inclusive) following substantial completion of the groundworks. However, planting outside the planting season, using fully containerised planting material would be acceptable. This is on the understanding that increased watering will be required to establish the planting successfully.

Seeding works to be undertaken in autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. Seed bed to be carefully prepared using retained site soil cultivated and prepared to create a fine tilth prior to sowing.

All works to be carried out in a way that ensures the safety of the public, especially employees and visitors during operational times. This refers to health and safety requirements while work is being carried out, whilst also making sure that areas are kept safe when works are left, whether complete or incomplete. This may result in work being carried out only at specific times, etc. (to be agreed with CR/Site manager).

**NB: Principal seasonal ecological constraints arising from protected species to be confirmed prior to commencement of works.**

## 3 LANDSCAPE MAINTENANCE & MANAGEMENT

### 3.1 GENERAL

#### 3.1.1 Establishment / Defects Period

**This section covers the initial implementation of the works and establishment / defects period (typically 12 months from Practical Completion).**

The general intent of landscape maintenance of the site is to ensure that the new planting and seeding works achieve successful establishment during this critical phase.

Maintenance and management operations are to be undertaken in such a way as to allow healthy plants to develop, unhindered by weed growth or other inhibiting factors.

All new landscape areas shall be maintained by the appointed landscape contractor for a minimum period of 12 months following installation, with any defective planting / seeding replaced or made good by the end of the first year (or before).

The landscape management work will be carried out in a manner that will avoid potential legal offences and harm to ecological receptors that may be present on site. Potentially harmful maintenance operations are to be performed with awareness of, or take place outside, the most ecologically sensitive periods, while providing the management necessary to maintain and increase the biodiversity value of the site.

The maintenance operators/contractors shall make themselves aware of all ecological constraints, drainage runs and services prior to commencing maintenance operations. They shall maintain access to all ditches, soakaways and other drainage systems.

#### Notice to CR

Provide 3 days-notice of the following operations, to give CR the opportunity of being present if deemed necessary:

- Application of herbicide (only where approved)
- Watering
- Each site maintenance visit
- Other works
- Contractor to be proactive and advise in advance any issues relating to plant health identified on site

#### 3.1.2 Landscape Maintenance Schedules

All landscape maintenance work is to be undertaken by an experienced / suitably qualified landscape maintenance contractor.

Maintenance visits will typically be undertaken once monthly. A guide minimum number of 12 visits shall be undertaken.

The appointed landscape contractor must provide a schedule of operations based on the scope of the works set out in this specification.

The primary maintenance operations will include:

- Watering trees, plants, grass and wildflower areas as necessary to ensure vigorous and successful establishment during the early years after planting / sowing.
- Maintain c.600mm dia. weed-free planting stations by hand weeding or treatment with a non-residual herbicide as appropriate / required.
- General pruning and trimming to ensure footways, signs etc. are not obscured and to ensure plants develop appropriately according to their species.
- Checking and adjusting all shelter guards / tree stakes and ties at every maintenance visit during the first one to two years after planting. Remove when trees have established and are no longer required.
- Removal of litter.
- Replacing plants that fail where required in the following planting season with the approved species. All planting should be inspected annually in late Summer. Any dead, dying or diseased plants shall be removed and replanted according to the approved plan in the following planting season (November-March).

### 3.1.3 Pesticides, Herbicides & Fertiliser

NB: No pesticides, herbicides, or fertilisers to be used in the ongoing management and maintenance of the site unless otherwise approved by the CR.

Where the use of pesticide/ herbicide is deemed necessary for the removal of injurious or invasive species they are only to be used with prior agreement of the CR / SQE. Any pesticides / herbicides to be applied by appropriately certified contractors.

Detailed records of any such applications must be kept in accordance with relevant legislation. These records shall be available for viewing during normal working / office hours by any person wishing to see them.

## 3.2 WEED CONTROL

Weed control is to be restricted to planting stations only unless otherwise agreed. In all other areas, weed control is to be restricted to the control of injurious and invasive species and highly competitive weeds, unless otherwise instructed.

When weeding, ensure that the methods used cause the minimum of damage to adjacent plants / vegetation, including trees and grass, as well as to animal species.

### 3.2.1 Hand Weeding

Remove all weeds, including roots, by hand using hoes, trowels or forks, taking care to remove not more than a minimum quantity of soil, causing minimum disturbance to neighbouring plants and leaving the area in a neat, raked, clean condition.

### 3.2.2 Weeding Around Tree and Plant Stems.

Do not allow nylon filament rotary cutters or other mechanical tools closer than 100 mm to the stem of any tree or shrub to be retained. Complete operations close to stems using hand tools.

### 3.2.3 Herbicide Application

To be carried out only as a last resort (see Section 3.2). Application rate as per manufacturer's instructions. Remove arisings before applying.

Application of General Systemic Weedkiller (only where required for invasive weed species and following approval of the CR).

Spray or spot-treat individual plants or whole colonies in April/ May. Spot-treat new plants as they appear and re-treat in August/ September as necessary. Application to be carried out as per manufacturers' recommendations.

Note: General systemic weed killers will kill/ damage all plant matter that it touches. Care must be taken to cover any adjacent plant material with polythene or similar to protect it from spray drift.

### 3.3 ARISINGS

Unless otherwise specified, deal with arisings from operations as follows:

#### 3.3.1 Biodegradable arisings

Remove to designated compost area on site where available, otherwise remove to designated recycling facility.

#### 3.3.2 Grass cuttings and brash

Where grass cuttings are to be boxed, remove them to designated compost area on site where available otherwise remove to designated recycling facility. Where agreed, create piles from grass cuttings to create reptile habitat.

#### 3.3.3 Tree roots and stumps

Where necessary and as agreed with CR, install any removed tree roots and stumps in grassland at perimeter of site as deadwood habitat for invertebrates/ shelter for other fauna, or where this is not appropriate, removed from site to designated recycling/ chipping facility.

#### 3.3.4 Leaf fall, branches and prunings

To be chipped and reused on site and/ or removed to designated recycling area. Where appropriate create piles from leaf litter/ small prunings in perimeter grassland areas.

#### 3.3.5 Litter and non-biodegradable arisings

Remove from site to designated recycling/ refuse facilities.

## 3.4 PROPOSED TREE AND HEATHLAND SCRUB PLANTING

### 3.4.1 Management Objectives:

- To ensure that all plants are maintained in a healthy condition; and
- To manage for biodiversity value.

### 3.4.2 Management Prescriptions:

#### General:

Trees and shrubs on site are to be maintained in a healthy and weed-free condition. Where required, any dead or dying plants shall be replaced during the winter planting season (November to March).

Plants loosened by frost heave or wind rock shall be re-firmed and all shelter guards / stakes are to be checked and reset / secured as required.

#### Establishment of new / replacement tree planting – where applicable:

All new planting areas to be regularly inspected at least once a month during the first 12 months. Replace defective planting at the earliest opportunity, with any defective planting replaced at the end of the first year (or before).

During the initial establishment of new planting, carry out the following maintenance operations:

#### Watering:

During the first twelve months, ensure trees are well watered at the time of planting to field capacity and firmed in, if subject to heave, wind rock, or vandalism.

#### Weed control:

Maintain a 600mm weed-free area around the base of each plant by hand weeding and light hoeing. Remove weeds from within tree guards / shelters by hand. Fork over as necessary to keep soil loose, with gentle cambers and no hollows, taking care not to reduce depth or effect of mulch.

Removal of aggressive weed species – unwanted climbers that have invaded and are suppressing intended species.

#### Additional work:

If defective, diseased, unsafe, or weak parts of plants are discovered other than those scheduled for attention, inform the CR and await instructions.

#### Winter snow / leaf removal:

Where necessary, remove snow build-up on boughs, when instructed by CR. Where required, collect excess accumulations of drifted leaves from beneath trees. Removal of leaves to be by the most efficient means. Care to be taken around tree trunks.

#### Arisings:

To be distributed evenly as a mulch following prior discussions with CR. Care to be taken to check for hedgehogs/ reptiles/ amphibians etc. before leaf removal.

#### Tree stakes and ties (where present):

Inspect monthly or as scheduled, and carry out the following:

- Check all trees with stakes for looseness, breaks and decay and replace as necessary to original specification. If a tree with a defective stake has grown sufficiently to become self-supporting, inform CR and, if instructed, remove stake(s) and fill the hole(s) with lightly compacted soil.
- Adjust, re-fix or replace loose or defective ties as necessary, allowing for growth and to prevent chafing. Where chafing has occurred, reposition, or replace ties to prevent further chafing.
- Where stakes are longer than half the height of the clear stem of the tree, cut the stake to this height in spring and re-tie to tree firmly but not tightly with a single tie.
- Remove redundant tapes, tags, ties, labels and other encumbrances.
- Remove stakes and ties during spring where trees have become self-supporting.

#### Tree shelters:

Adjust, re-fix or replace loose or defective shelters to original specification and to prevent chafing. Remove shelters when tree stems touch the shelters.

#### Re-firming:

Ensure that trees remain firmly bedded after strong winds, frost heave and other disturbances. Re-firm by treading around the base. 'Collars' at the base of tree stems created by tree movement to be broken up by fork, avoiding damage to roots, backfilled with topsoil as necessary, and re-firmed.

### 3.5 WILDFLOWER GRASSLAND AREAS (SEMI-ROUGH AND ROUGH AREAS)

#### 3.5.1 Management Objectives:

These areas are to be managed as meadow habitat in the longer-term to develop a more species-rich meadow grassland habitat to semi-rough and rough areas.

#### 3.5.2 Maintenance Prescriptions Year 1 (New Grassland Areas)

- For new areas sown with the proposed wildflower / grassland mix, these should be cut throughout the year to a minimum height of c.50-70mm to enable the slower growing perennial species to develop. The location of these areas is shown on drawings J01188-MP-01 (Appendix B).
- Do not apply fertiliser or herbicide other than to spot treat problem weed species.

NB: Remove all arisings from site or deposit in specified location to compost for reptile/invertebrate habitat.

#### Long Term Grassland Monitoring & Management (All Areas)

- Rough grassland will be mown twice annually, once in the early season and again once the seed has set in late Summer / early Autumn. The vegetation will be cut to a minimum height of 50mm in the summer cut and dried on site, turning it to assist drying and dispersing seeds.
- Semi-rough areas to be cut as per current regime at the site.
- The dry hay will be removed within 7 days of cutting.
- Additional treatments with Yellow Rattle should be considered should the initial application fail to control non-target species (such as perennial ryegrass).

#### Reinstatement / over-seeding

Where reinstatement is necessary, allow local grass species to colonise naturally, chain harrow or similar wildflower area during August/ September, to create new spaces for the wildflowers to establish.

Alternatively, a suitable grass mix (using locally sourced native seed closely matching the specified seed mix or similar approved at 4g/m<sup>2</sup> or as per manufacturer's instructions) should ideally be sown in autumn to increase the likelihood of yellow rattle germinating. This should not require management until early spring (February) when tall vegetation may be cut to 50mm if required. All cut material to be removed to prevent young plants being smothered. Extreme care to be taken when cutting in spring to ensure no damage to reptiles or great crested newts or their habitat takes place. All arisings to be removed.

Any spring-sown meadow should be cut after approximately six weeks, and then only when the vegetation exceeds 200mm.

To allow for the successful establishment of wildflower species, removal of grass cuttings / arisings will prevent the build-up of plant litter and help to reduce soil fertility levels and therefore the competition from dominant grass species.

All arisings to be removed to a designated composting area on site or to an off-site recycling centre. Care to be taken

when removing arisings, so as not to disturb fauna or their habitats.

#### Weed control

Preferred method of removal of all encroaching scattered scrub / weeds is by mechanical methods or hand pulling weeds as required.

Spot weedkilling – only with prior agreement from CR and only where necessary and approved, walk through wildflower areas with a suitable portable applicator and spot treat weeds with a suitable herbicide. Take particular care to treat any problem weeds present, as well as all injurious weed species listed in the Weeds Act 1959 and Wildlife and Countryside Act 1981.

Spot treat grass areas with an appropriate non-residual herbicide to remove thistle, docks & other undesirable weeds. Apply herbicide in calm weather conditions and at the appropriate time of the year.

#### Fertiliser Application

Do not apply fertiliser.

## 4 LONGER TERM MANAGEMENT (YEARS 6-40)

### 4.1 GENERAL REQUIREMENTS

The following section sets out broad management and maintenance tasks for the long-term care and protection of ecological and landscape features on-Site. Given the dynamic nature of habitats and their ability to change over time, it is both inappropriate and impractical to set out a fixed and prescriptive set of management tasks to be implemented 'regardless of progress.' A key element of the approach is flexibility.

It is therefore considered that longer term management should be reviewed after five years with any necessary changes to management documented within an agreed Landscape and Ecological Management Plan (LEMP). However, the recommendations for management discussed below will be broadly adopted during the management regime of years six to ten and included within an updated LEMP as required.

#### 4.1.1 Habitat-Specific Management Measures

##### Trees and Heathland Scrub

To ensure the long-term viability of all newly planted trees and scrub planting, regular inspections will be undertaken, with all recommended tree surgery works implemented in full within three months of the inspection. From year five after planting, or once plants are established, all tree stakes, ties, supports and shelters can be removed and disposed of (recycled/composted) off-Site.

Ensure that plants are allowed to develop naturally with minimal intervention to achieve a natural habit.

##### Pruning:

An annual assessment of the need for selective/formative pruning to remove any dead branches should be made at the end of each growing season with work carried out in the following winter or spring depending on species and undertaken to promote healthy new growth. Inspections and assessment are to be carried out by a suitably qualified arborist.

Pruning/trimming is to be carried out to the highest horticultural standards using secateurs, approved mechanical hedge cutters and handsaws. Pruning/trimming will be undertaken to achieve a natural habit.

Dead foliage and branches are to be removed by cutting back to an outward facing bud.

Suckers are to be removed by cutting back to their source on the affected plant.

##### Thinning Works (to BS 3998 – 2010):

The need for selectively thinning the informal hedgerow mix planting areas in addition to the above items will be reviewed at the end of Year 10.

Any selected trees and shrubs identified for removal will be cut down to c.300mm from the ground & bark/cambium scarred over 50% of surface with chain saw. Stumps to be treated with an appropriate brushwood killer.

Thinning, trimming and shaping will be conducted according to species, variety, season, state of growth and visual effect.

#### Grassland

Areas of wildflower grassland are to be managed via cutting based around traditional summer hay cut with spring/autumn cutting as required, and no cutting between April and mid-July. Arisings to be removed.

#### Bird Boxes and Bat Boxes

Any bat and bird boxes installed within the Site will be visually assessed from ground level after five years of being installed and repaired/replaced where necessary by a SQE appointed by CR. Five-year replacement checks will continue long term.

#### Hibernacula

Check all constructed hibernacula features annually. Advise CR/SQE if repairs required.

# APPENDIX A – LOCATION PLAN

# APPENDIX B – LANDSCAPE MASTERPLAN