

PLANTING SPECIFICATION

These implementation and maintenance guidelines are for planning purposes only to indicate the level of workmanship to be specified and do not constitute a detailed specification.

1. GENERAL

- All landscape operatives will be appropriately trained, certified and qualified to undertake the tasks required. When required, the relevant certificates will be made available for inspection. All work is to be carried out in accordance with the relevant British Standards, Codes of Practice and Legislation.
- All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE.
- Planting shall not be carried out when the ground is waterlogged, frost bound or during periods of cold drying winds. All bare-rooted plants shall be planted in order to minimise water loss and prevent the roots from drying out. Tree handling, storage and planting shall be in accordance with BS 5556 Chapters 9 to 13 and Annexes E to F.
- The landscape contractor shall maintain all areas of new planting for a period of 12 months following practical completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost.
- A minimum intervention approach will be used in terms of weed control. In areas of transplant planting this is to be achieved by using mulch mats and hand-weeding. Weed killer and other chemicals will not be permitted. Spot removal of weeds will be carried out by hand removal as necessary.

2. NATIVE HEDGE PLANTING

- Ground Preparation**
- Beds for hedgerow planting will be weeded by hand, to ensure a weed free environment at the time of planting.
 - All extraneous matter such as plastic, wood, metal and stones greater than 50mm diameter will be removed from site to a registered waste disposal facility.
- Planting**
- The planting arrangement shall be as set out in the plant schedule on the relevant planting plan.
 - Bare-root hedge plants shall be notch planted in a double staggered row at the rate of 5 plants per linear metre using L-shaped notches using spades of a design suitable for this purpose. The notches must be vertical but deep enough for the roots to hang freely, with the transplant being planted so that the root collar is exactly level with the ground surface. The notch must then be closed and the soil will be well tamped round the roots in line with the guidelines as set out in BS 4428 (1999).
 - All bare-root hedge planting stock will be protected from rabbit damage using approved biodegradable 600 x 50mm spiral guards (Trapez Spiral Guards, Green-tech) or similar, supported with 0.9m 12/140 canes as advised by the manufacturer.
- Maintenance during first growing season**
- All dead, dying or diseased hedge plants will be replaced with plants of similar size and species. If the failure of the plant is due to disease and the disease is considered likely to re-occur then an alternative species may be used as replacement if agreed with the LPA.
 - The planting area will be kept weed free throughout the maintenance period through the application of a minimum depth 50mm bark mulch layer. Any weeds to be removed by hand as necessary.
- Maintenance**
- A 100mm diameter circle centred on each planting station shall be kept weed free throughout the maintenance period. In the autumn following planting the CA will prepare a list of all plants which are dead, dying or diseased and are to be replaced during the following planting season.

3. GENERAL MAINTENANCE

- The Landscape contractor shall maintain all areas of new planting for a period of 12 months following practical completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost. The site is to be visited monthly throughout the year to undertake the following operations:
 - Weed clearance: All planting areas to be kept weed free by hand weeding.
 - Litter clearance: All litter is to be removed from planting beds.
 - Watering: All planted areas are to be watered for the first two years from May to September following any dry periods of 7 days.
- Hedges**
- Hedge lines shall be kept matched until established. At the end of the Defects Liability Period / First Year's Maintenance the CA will prepare a list of all plants which are dead, dying or diseased and are to be replaced during the following planting season at the contractor's expense.

Proposed Grass Seed Mixes

Grazed Calcareous Wildflower Grassland

Using the 'Porton to Plain Wildlife Connections' Natural England Report, it is recommended that the seed mix should include the following species or strongly reflect the species listed below:

Wildflowers to comprise 20% of seed mix:

- Kidney vetch *Achillea vulgaris* (to encourage small blue butterfly)
- Betony *Stachys officinalis*
- Bird's foot trefoil *Lotus corniculatus*
- Norfolk vetch (to encourage Adonis and Chalkhill blue butterflies)
- Bladder Campion *Stemella vulgaris*
- Rubist buttercup *Ranunculus bulbosus*
- Common hoarfrost *Linaria vulgaris*
- Cowslip *Primula veris*
- Dryopteris *Filipendula vulgaris*
- Dark mullein *Verbascum nigrum*
- Greater knapweed *Centaurea scaberrima*
- Lady's bedstraw *Galium verum*
- Meadow buttercup *Ranunculus acris*
- Oxeye daisy *Leucanthemum vulgare*
- Red clover *Trifolium pratense*
- Small scabious *Scabiosa columbata*
- Tufted vetch *Vicia cracca*
- Wild carrot *Daucus carota*
- Wild mignonette *Rosa lutea*

Grasses comprising 80% of seed mix:

- Bromwing bent grass *Agristis capillaris*
- Smooth meadow grass *Poa pratensis*
- Crested dog's-tail *Cynosurus cristatus*
- Hidden oxtongue *Inula britannica*
- Quaking grass *Bromus erectus*
- Hard fescue *Festuca trachypodia*
- Sheeps fescue *F. ovina*
- Red fescue *Festuca rubra*
- Upright brome *Bromopsis erecta*, and
- Smaller catstail *Phleum terreste*

Neutral Wildflower Grassland - uncut wildflower margins

Using Natural England guidance, it is recommended that the seed mix should include the following species or strongly reflect the species listed below:

Wildflowers to comprise 20% of seed mix:

- Agrimony *Agrimonia eupatoria*
- Autumn hawkbit *Scorzoneroides autumnalis*
- Betony *Stachys officinalis*
- Bird's foot trefoil *Lotus corniculatus*
- Burnt-sedgeloop *Polygonum aviculare*
- Call's ear *Phytolabis raietata*
- Clovers *Trifolium repens*
- Common knapweed *Centauria nigra*
- Common sorrel *Rumex acetosa*
- Cowslip *Primula veris*
- Dew's-bit scabious *Succisa pratensis* (to encourage marsh fritillary butterfly)
- Field scabious *Aquilegia vulgaris*
- Germander speedwell *Veronica chamaedrys*
- Great burnet *Sanguisorba officinalis*
- Handbell *Campanula rotundifolia*
- Hairy plantain *Plantago media*
- Kidney vetch *Achillea vulgaris*
- Lady's bedstraw *Galium verum*
- Lesser stitchwort *Stellaria graminea*
- Marjoram *Origanum majorana*
- Meadow buttercup *Ranunculus acris*
- Meadow wickloop *Lathyrus pratensis*
- Oxeye daisy *Leucanthemum vulgare*
- Perpetual St. John's-wort *Hypericum perforatum*
- Pignut *Corydalis majus*
- Red clover *Trifolium pratense*
- Ribwort plantain *Plantago lanceolata*
- Rough hawkbit *Leontodon hispidus*
- Sabbal burnet *Sanguisorba minor*
- Selfheal *Prunella vulgaris*
- Tornweed *Polygonum aviculare*
- Tufted vetch *Vicia cracca*
- Variegated *Anthyllus vulneraria*, and
- Yellow rattle *Rhinanthus minor*

Grasses comprising 80% of seed mix:

- Common bent *Agristis capillaris*
- Crested dog's-tail *Cynosurus cristatus*
- Meadow barley *Hordeum brachyantherum*
- Meadow fescue *Festuca pratensis*
- Quaking grass *Bromus erectus*
- Red fescue *Festuca rubra*
- Smooth meadow grass *Poa pratensis*
- Sweet vernal-grass *Anthoxanthum odoratum*
- Upright brome *Bromopsis erecta*, and
- Yellow oat grass *Trisetum flavescens*

PLANTING SCHEDULE

Native Hedgerow Supplementary Infill Planting:

To be planted at 5 linear m, double staggered row at 0.5m offsets
The exact length of infill planting must be measured on-site

Species	Mix %	Height (cm)	Habit	Ages / Times Transplanted	Root Condition
Transplant					
<i>Acer campestre</i>	45	80-100	Transplant	1+2	BR
<i>Prunus spinosa</i>	35	80-100	Transplant, branched, 3 breaks	1+2	BR
<i>Rhamnus cathartica</i>	15	80-100	Transplant	1+2	BR
<i>Euonymus europaea</i>	5	60-80	Transplant, branched, 5 breaks	1+2	BR

KEY

- Site Boundary
- Solar Panels
- Security Fence
- Existing Hedgerow/Vegetation
- Proposed Hedgerow Infill
- Grazed Calcareous Wildflower Grassland
- Neutral Wildflower Grassland - uncut wildflower margins
- Bat Box
- Bird Box

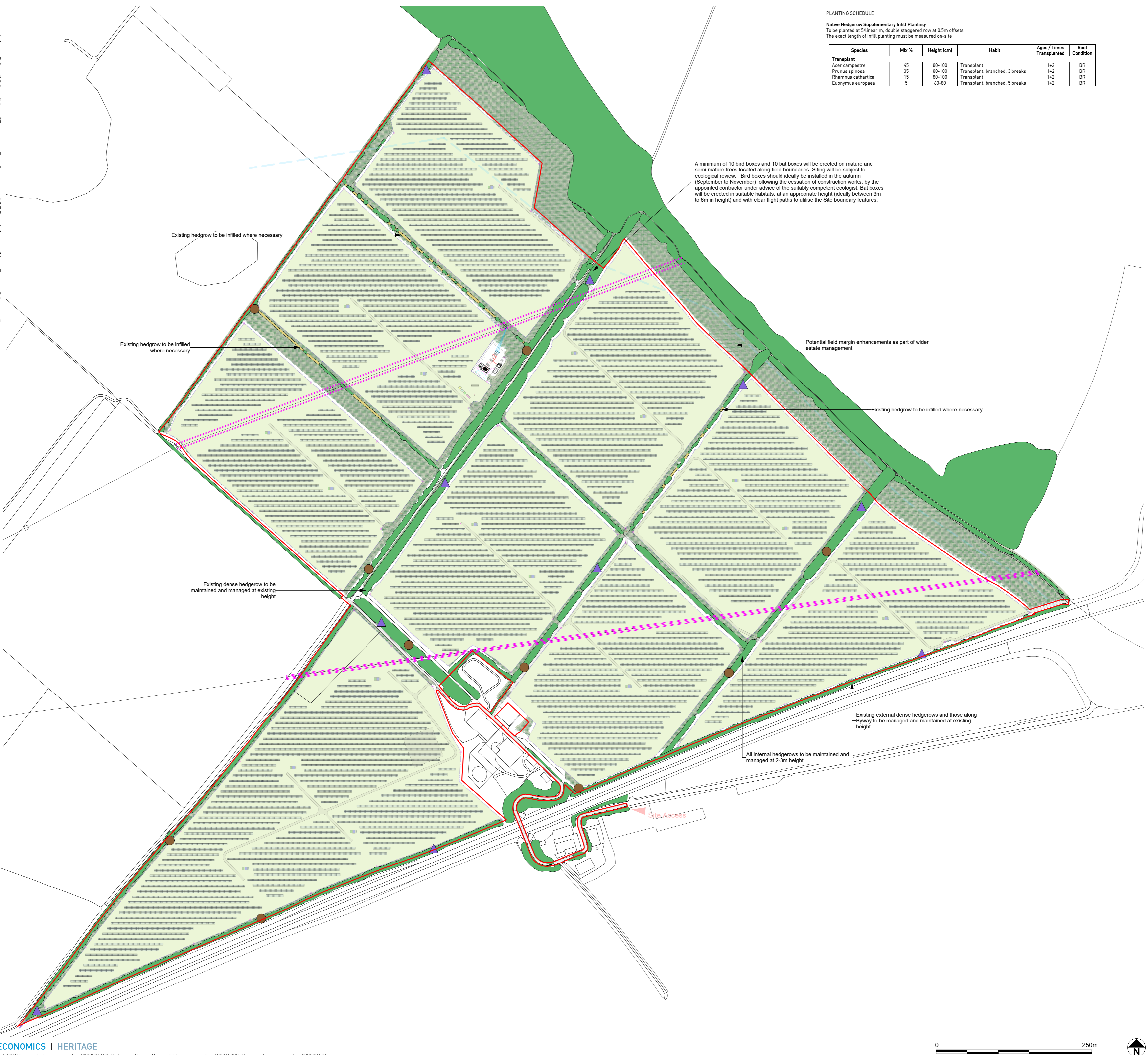


FIGURE 5.10
Planting Plan

DRWG No: P19-1291_12 REV. A
Date: 12/11/2019
Scale: 1:3000 @ A1

