

| PLANTING SCHEDULE | | | | | |
|-------------------|------|-----------------------------------|---------|-----------|-------------------------|
| Trees | | | | | |
| Qty | Code | Botanical Name | Girth | Height cm | Root Condition |
| 88 | Ac | Acer campestre | 16-18cm | 450/625 | RB Extra Heavy Standard |
| 31 | Ace | Acer campestre 'Elsrijk' | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 12 | AcG | Acer griseum | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 119 | Ag | Alnus glutinosa | 12-14cm | 350/425 | RB Heavy Standard |
| 18 | Am | Amelanchier lamarckii | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 17 | Bj | Betula utilis 'Jaquemontii' | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 113 | Bp | Betula pendula | 12-14cm | 350/425 | RB Heavy Standard |
| 64 | Cb | Carpinus betulus | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 27 | Cf | Carpinus betulus 'Frans Fontaine' | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 11 | Fs | Fagus Sylvatica | 16-18cm | 450/625 | RB Extra Heavy Standard |
| 55 | Pa | Prunus avium | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 26 | Pn | Pinus nigra | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 71 | Pp | Prunus padus | 12-14cm | 350/425 | RB Heavy Standard |
| 21 | Pc | Pyrus calleryana 'Chanticleer' | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 29 | Ps | Prunus spire | 14-16cm | 400-450 | RB Extra Heavy Standard |
| 34 | Psb | Prunus 'Sunset Boulevard' | 14-16cm | 400-450 | RB Extra Heavy Standard |
| 80 | Qr | Quercus robur | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 36 | Sx | Salix alba | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 16 | Sc | Salix caprea | 12-14cm | 350/425 | RB Heavy Standard |
| 8 | Sal | Sorbus aria 'Lutescens' | 14-16cm | 425/600 | RB Extra Heavy Standard |
| 100 | Sa | Sorbus aucuparia | 12-14cm | 350/425 | RB Heavy Standard |
| 43 | Tc | Tilia cordata 'Green Spire' | 16-18cm | 450/625 | RB Extra Heavy Standard |

| Semi Mature Trees | | | | | |
|-------------------|------|-----------------------------|---------|-----------|----------------|
| Qty | Code | Botanical Name | Girth | Height cm | Root Condition |
| 24 | AcS | Acer campestre | 25-30cm | 500-550 | RB Semi Mature |
| 21 | AgS | Alnus glutinosa | 25-30cm | 550-600 | RB Semi Mature |
| 16 | BpS | Betula Pendula | 25-30cm | 550-600 | RB Semi Mature |
| 30 | BJS | Betula utilis 'Jaquemontii' | 25-30cm | 550-600 | RB Semi Mature |
| 6 | FspS | Fagus Sylvatica 'Purpurea' | 25-30cm | 500-550 | RB Semi Mature |
| 98 | QrS | Quercus robur | 25-30cm | 550-600 | RB Semi Mature |

| INSTANT MIXED NATIVE HEDGES | | | |
|----------------------------------|--------------|----------------------------|--|
| Code: IMNH | | | |
| Total Length On Site = 577 Lin M | | | |
| No. of planter bags | Approx % Mix | Species | Specification |
| 577 | IMNH | Instant Mixed Native Hedge | Mixed Native hedge supplied in 1m wide planter bags as a mature clipped instant hedge to a minimum height of 1.5m. |
| 115 | 20 | Carpinus betulus | |
| 58 | 10 | Cornus Sanguinea | |
| 115 | 20 | Corylus avellana | |
| 115 | 20 | Crataegus monogyna | |
| 58 | 10 | Ilex aquifolium | |
| 115 | 20 | Prunus spinosa | |

| HEDGES | | | | | |
|----------------|---------------|-----------------------|------------|-----------------|-------------------|
| Length (Lin M) | No. Of Plants | Code/Species | Size in cm | Root / Pot size | Density / Spacing |
| 527 | 2635 | H1 Fagus Sylvatica | 60-90 | B | 5no. Linear m |
| 519 | 2595 | H2 Crataegus monogyna | 60-90 | B | 5no. Linear m |
| 410 | 2050 | H3 Carpinus betulus | 60-90 | B | 5no. Linear m |
| 57 | 171 | H4 Prunus Lusitanica | 60/90 | 5L Pot | 3no. Linear m |

| Native Whip Planting (random mix 1 per m ²) | | | | | |
|---|------|-----------------------|------------|------------|-------------------|
| Total Area On Site (m ²) | | | | | |
| 7159 | | | | | |
| %Mix | Qty. | Botanical Name | Size in cm | Root Cond. | Density / Spacing |
| 20 | 1432 | Crataegus monogyna | 60-90 | B | 1/m ² |
| 7.5 | 537 | Quercus robur | 60-90 | B | 1/m ² |
| 2.5 | 179 | Quercus petraea | 250/300 | B | 1/m ² |
| 5 | 358 | Lonicera periclymenum | 60-90 | 2L | 1/m ² |
| 2.5 | 179 | Carpinus betulus | 60-90 | B | 1/m ² |
| 2.5 | 179 | Carpinus betulus | 175/200 | B | 1/m ² |
| 10 | 716 | Salix caprea | 60-90 | B | 1/m ² |
| 5 | 358 | Sorbus aucuparia | 60-90 | B | 1/m ² |
| 10 | 716 | Corylus avellana | 60-90 | B | 1/m ² |
| 10 | 716 | Corylus avellana | 175/200 | B | 1/m ² |
| 5 | 358 | Rosa canina | 60-90 | B | 1/m ² |
| 2.5 | 179 | Betula pendula | 60-90 | B | 1/m ² |
| 2.5 | 179 | Betula pendula | 175/200 | B | 1/m ² |
| 15 | 1074 | Viburnum opulus | 60-90 | B | 1/m ² |

| Marginal Planting | | | |
|--------------------|-----------|--|--|
| Total Area On Site | | | |
| 7650m ² | | | |
| Mix | Area (m2) | Description | Sowing Rate (g/m ²) |
| MM01 | 6303 | Pond Edge Mixture 100% Seed Emorsgate Seeds Mix EP1 | To suppliers recommendations. |
| MM02 | 1758 | Pond Edge Mixture with Reeds 80% Seed Emorsgate Seeds Mix EP1 | To suppliers recommendations. |
| | 1406.4 | Interplanted with Phragmites australis to 1M margin of pond Assume 20% Coverage | Phragmites australis in a 0.7L Pot Plant at 1M Centres |

| Grass / Wildflower Planting | | | |
|-----------------------------|-----------|---|---------------------------------|
| Total Area On Site | | | |
| 53504m ² | | | |
| Mix | Area (m2) | Seed Mix Specification | Sowing Rate (g/m ²) |
| WM1 | 1689 | Wildflower Meadow Mix Emorsgate Seed Mix EM3 | To suppliers recommendations. |
| WM2 | 704 | Wildflower and Tussock Mix Emorsgate Seed Mix EM10 | To suppliers recommendations. |
| WM3 | 2909 | Wildflower Grasses Riparian Mix Emorsgate Seed Mix EP1F | To suppliers recommendations. |
| WFG20 | 48202 | Eco Species Rich Lawn Germinal Mix WFG20 | To suppliers recommendations. |

SPECIFICATION NOTES

1. General

This plan to be read in conjunction with the following documents:

- Arboricultural report
- Ecology report
- PGLA Planting Plan Drawings PP01 SERIES

2. General Landscaping

Existing levels to be preserved around retained existing trees and vegetation. Existing trees and vegetation to be retained are to be protected in accordance with BS5837:2012 during construction. Proposed planting under existing trees subject to sufficient space in root areas.

3. Preparation of Planting Beds

- Rubbish, concrete, metal, glass, decayed vegetation are to be removed and disposed of offsite.
- Stones with the largest dimension exceeding 40mm are to be removed from planting beds and disposed of off-site.
- Substances injurious to plant growth including subsoil, rubble, fuel and lubricants should be removed and disposed of off-site.
- Remove any existing weed growth.
- Areas of large root are to be grubbed up without undue disturbance of surrounding soil and adjacent areas.
- All site preparation, planting and maintenance to comply with BS 4429

4. Topsoil

Imported topsoil to be a good quality loam to BS 3882:2015. All topsoil areas shall be thoroughly cultivated by hand or suitable machinery to the full depth of the topsoil layer, incorporating ameliorant's as specified and/or as indicated by analysis and/or as directed by the Landscape Architect. Hand cultivation's shall be carried out to achieve the required finish on areas where machine cultivation is impossible i.e adjacent to kerbs, manholes and footpath junctions etc. Surplus plant matter, rubbish and surface stones having any dimension greater than 25 mm shall be collected and removed from the site. Existing topsoil to be stripped and re-used if suitable as per specification. All work to be carried out in line with BS 3882:2015 and DEFRA Construction Code of Practice for the Sustainable Use of Soils on Construction Sites (2009). Refer to Landscape Soils and Specification.

5. Plants

General plant stock to conform to BS 3936, advanced nursery stock and planting to BS 4428. 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 (refer to relevant sections of BS3936 Parts 1-4 'Specification of Nursery Stock'). All planting operations to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations (excluding hard surfaces)'. Carry out all planting while soil and weather conditions are suitable: Do not plant during periods of frost or strong winds. Plant only during the following periods:

- Container grown and root ball plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided
- Bare Root stock to be planted November to March.

All plants to be planted in cultivated planting beds at densities shown in plant schedule, in pits of min. size 0.3m x 0.3m x 0.3m deep so as to accommodate full root spread, backfilled with 80% clean topsoil and 20% compost and 20g granular fertilizer. All shrub beds to be in min. 450mm good quality, well prepared topsoil.

See Plant Schedule for species palette. Bed composition, arrangement and setting-out to be approved by Landscape Architect before work commences. Topsoil depth to be 450mm for shrub planting and 150mm for grass. Native Hedgerow - Stock to be planted in double rows at 5 per linear metre. 600mm spiral rabbit guards to be used supported by 900mm bamboo canes. To be kept free of weeds during establishment using secured mulch matting. Bare root plants to be notch planted to depth of root collar in accordance with BS4428.

6. Trees

Trees shown on plan to be planted with species as labelled or similar approved. Do not substitute species, variety and form or reduce the specified number/density of plants without prior agreement. Note sizes shown are minimum. All trees to be planted in pits 1m x 2m x 1m deep, backfilled with 80% clean topsoil with 15% peat free tree and shrub planting compost and 5% Tree Growth Enhancer 'GroChar', including 100g granular fertilizer. Base of pit to be filled with a Terram Geotextile layer on 150mm drainage layer consisting of 20mm nominal size free draining pea gravel. Water-in heavily after planting and surface bark chippings 75mm depth. All trees, apart from Semi Mature, to be triple staked with timber cross bar and soft ties. Any necessary tree works are to be carried out by an approved tree surgeon to BS 3998. All trees to be protected with 600mm spiral rabbit guard. Semi Mature trees to be fixed with underground guys.

Trees planted in grass lawn to be set in bare earth squares 1m diameter around tree trunk with bark mulch to 75mm depth after planting. All work to be carried out in line with BS 3882:2015 and DEFRA Construction Code of Practice for the Sustainable Use of Soils on Construction Sites (2009).

7. Seed mix

Follow manufacturers guidance on ground preparation, sowing and management for the marginal planting and wildflower planting.

8. Mulch

All planting areas and tree pits to be mulched with 75mm (settled depth) bark mulch. Sample of mulch to be approved by Landscape Architect.

9. Grass

Turfing shall be carried out during appropriate seasons and while soil and weather conditions are suitable for the relevant operations. Hand tools shall be used around trees, plants and in confined spaces where it is impractical to use machinery. The soil shall be weed free prior to turfing. Turf shall be laid on prepared, levelled soil (minimum 150mm depth) in the areas indicated on the drawings and laid in accordance with BS 3969:1998+A1:2013.

10. Replacement of trees and Boundary vegetation

The contractor shall replace all plants/trees that have failed to thrive (show growth or display foliage) during the growing season after planting (including plants damaged during maintenance operations). Replacements to match original specification or similar size/species approved by the Landscape Architect. In particular, if any of the boundary vegetation, including those marked for retention, are to be replaced with similar size and species if they die within 5 years. Generally, any boundary vegetation that dies within the 5 year period will be replaced with native hedges and trees.

OUTLINE MAINTENANCE NOTES

1. General

- Detailed maintenance proposals to be included in the site Landscape Management Plan. Plan to be developed at detail design stage to cover the post defects liability period.
- All Maintenance operations to be carried out by fully qualified landscape maintenance operatives.

2. Specimen Trees

All specimen tree planting to be maintained in accordance with BS8545, BS5837, BS3998 and BS7370. Trees to be inspected twice annually as part of standard maintenance visits for sign of pests and disease and to check stakes and ties are intact, installed correctly and not restricting growth.

3. Native Hedgerows

All works to native hedgerows to be completed in accordance with BS 7370-4. Hedgerows to be inspected annually when in full leaf to ensure that they are thriving. Contractor to record defects requiring remedial works. Contractor to ensure the shelter guards are intact, installed correctly and are not restricting growth. Hedgerows to be maintained to a height of 1.5m

4. Ornamental Hedgerows

All works to ornamental hedgerows to be completed in accordance with BS 7370-4. Hedgerows to be maintained to the appropriate heights suggested in the plant specification. Hedges to be trimmed at least annually to maintain vigour and encourage new growth. Pruning to be carried out as part of regular maintenance visits once they have achieved the desired height.

5. Native Whip Planting Areas

All works to native habitat planting to be completed in accordance with BS 7370-4. Whip plantings to be inspected annually when in full leaf to ensure that they are thriving and record defects requiring remedial works. Contractor shall ensure the shelter guards are intact, installed correctly and are not restricting growth. Invasive weeds to be managed around the base of plantings to remove root competition and aid establishment.

6. Ornamental Shrub Beds

All works to ornamental shrubs to be completed in accordance with BS 7370-4. Inspect shrub beds annually and recording gaps needing filling with additional plants, areas to be thinned, and/or pruning operations to encourage growth. Where there has been a significant failure of plants, carry out investigations to locate the source of the problem and consult the landscape architect prior to replacement planting.

7. Wildflower Meadow Areas and Marginal Planting

All works to wildflower meadow areas to be completed in accordance with BS 7370-4. All works to ponds, swales and marginal planting areas to be completed in accordance with BS7370-5. Objective - to create and maintain a bio-diverse and balanced wildflower meadow that is free from invasive weeds for the benefit of wildlife. During the first year of establishment, competition from grasses and weeds shall be kept under control. Contractor to manage the sward to aid seedling development and maintain a balanced composition.

8. Amenity Grass Areas

All works to amenity grass and turf areas to be completed in accordance with BS7370-3. Lawn areas to be maintained regularly to retain a maximum sward height of 60mm. Lawn and grassed areas to be inspected as part of the regular maintenance operations, and formally inspected annually to assess requirements in terms of topdressing, over seeding etc.



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