| Native Hedgerow Mix | | | | | | |
|---|---|---|---|---|---|---|
| Number | Abbreviation | Species | Specification | Height | Density | Percentage Contribution | Length |
| 75 - | ACE CAM | Acer campestre | 1+1: Transplant - seed raised: B | 60-80cm | 0.3Ctr Double Staggered at 0.3m offset | 15% | 69.8m |
| 219 - | COR AVE | Corylus avellana | 1+2: Transplant - seed raised: Branched: 3 brks: B | 60-80cm | 0.3Ctr Double Staggered at 0.3m offset | 15% | 32.4m |
| 652 - | CRA MON | Crataegus monogyna | 1+1: Transplant - seed raised: B | 60-80cm | 0.3Ctr Double Staggered at 0.3m offset | 45% | 97.5m |
| 147 - | ILE AQU | Ilex aquifolium | 1+0: Seedlings: CE | 20-40cm | 0.3Ctr Double Staggered at 0.3m offset | 10% | 21.6m |
| 292 - | PRUSP | Prunus spinosa | 1+1: Transplant - seed raised: B | 60-80cm | 0.3Ctr Double Staggered at 0.3m offset | 20% | 43.3m |
| 75 - | ROS CAN | Rosa canina | 1+1: Transplant - seed raised: Branched: 3 brks: B | 60-80cm | 0.3Ctr Double Staggered at 0.3m offset | 5% | 10.8m |
| Total :1460 - | | | | | | | Total :216.4m |

| Trees | | | | | | |
|---|---|---|---|---|---|---|
| Number of Plants | Abbreviation | Species | Specification | Height | Girth | Density |
| 6 - | A ca | Acer campestre | Heavy Standard: 5 brks: 3x: RB: Clear Stem minimum 200cm | 350-425cm | 12-14cm | Counted |
| 13 - | A ca 'El' | Acer campestre 'Elsrijk' | Heavy Standard: 5 brks: 3x: RB: Clear Stem minimum 200cm | 350-425cm | 12-14cm | Counted |
| 8 - | ACEOLMA | Acer platanoides 'Olmsted' | Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm | 350-425cm | 12-14cm | Counted |
| 3 - | ALN GLU | Alnus glutinosa | Heavy Standard: 5 brks: 3x: RB: Clear Stem min. 200cm | 350-425cm | 12-14cm | Counted |
| 14 - | A lam | Amelanchier lamarckii | Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm | 300-350cm | 12-14cm | Counted |
| 2 - | BET PEN | Betula pendula | Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm | 450-500cm | 18-20cm | Counted |
| 12 - | B pub | Betula pubescens | Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm | 350-425cm | 12-14cm | Counted |
| 7 - | C be 'F F' | Carpinus betulus 'Frans Fontaine' | Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm | 350-425cm | 12-14cm | Counted |
| 10 - | PRU PAD | Prunus padus | Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm | 350-425cm | 12-14cm | Counted |
| 4 - | PRUPADA | Prunus padus | Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm | 450-500cm | 18-20cm | Counted |
| 5 - | PRUPAAL | Prunus padus 'Albertii' | Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm | 350-425cm | 12-14cm | Counted |
| 10 - | Q pe | Quercus petraea | Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm | 350-425cm | 12-14cm | Counted |
| 3 - | QUE ROB | Quercus robur | Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm | 350-425cm | 12-14cm | Counted |
| 3 - | S c | Salix caprea | Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm | 350-425cm | 12-14cm | Counted |
| Total :110 - | | | | | | |

| Shrubs | | | | | | |
|---|---|---|---|---|---|---|
| Number of Plants | Abbreviation | Species | Specification | Height | Pot Size | Density | Area |
| 192 - | BER NAN | Berberis thunbergii 'Atropurpurea Nana' | Branched: 4 brks: C | 20-25cm | 3L | 4/m² | 45m² |
| 46 - | BRA SUN | Brachyglottis 'Sunshine' | Branched: 4 brks: C | 30-40cm | 3L | 2/m² | 20.7m² |
| 7 - | CEA MOU | Ceanothus 'Blue Mound' | Branched: 5 brks: C | | 3L | 3/m² | 2.2m² |
| 3 - | CEA REP | Ceanothus thyrsiflorus repens | Bushy: 5 brks: C | | 3L | 3/m² | 1m² |
| 3 - | CHO PEA | Choisya 'Aztec Pearl' | Bushy: 4 brks: C | 30-40cm | 3L | 3/m² | 1m² |
| 12 - | CHO SUN | Choisya ternata 'Sundance' | Bushy: 4 brks: C | 30-40cm | 3L | 3/m² | 3.5m² |
| 4 - | CIS PIN | Cistus 'Silver Pink' | Bushy: 4 brks: C | 20-30cm | 3L | 3/m² | 1.2m² |
| 3 - | COR ELE | Cornus alba 'Elegantissima' | Branched: 4 brks: C | 40-60cm | 3L | 3/m² | 0.9m² |
| 18 - | COT PUR | Cotinus coggygria 'Royal Purple' | Branched: 3 brks: C | 30-40cm | 3L | 3/m² | 5.5m² |
| 9 - | ELA EBB | Elaeagnus x ebbingei | Branched: 3 brks: C | 30-40cm | 3L | 3/m² | 2.7m² |
| 151 - | ERI PIN | Erica carnea 'Springwood Pink' | Bushy: C | | 3L | 5/m² | 28.8m² |
| 92 - | ERI WHI | Erica carnea 'Springwood White' | Bushy: C | | 3L | 5/m² | 17.2m² |
| 190 - | EUO GAI | Euonymus fortunei 'Emerald Gaiety' | Bushy: 7 brks: C | 20-30cm | 3L | 3/m² | 58.7m² |
| 14 - | EUO QUE | Euonymus fortunei 'Silver Queen' | Bushy: 5 brks: C | 20-30cm | 3L | 4/m² | 3.4m² |
| 4 - | FUC POP | Fuchsia 'Mrs Popple' | Bushy: 5 brks: C | 20-30cm | 3L | 3/m² | 1.3m² |
| 9 - | GEN LYD | Genista lydia | Bushy: 5 brks: C | | 3L | 3/m² | 2.8m² |
| 87 - | HEB GLO | Hebe 'Autumn Glory' | Bushy: 5 brks: C | 20-30cm | 3L | 3/m² | 25.8m² |
| 24 - | HEB GEM | Hebe 'Green Globe' | Bushy: 7 brks: C | 15-20cm | 3L | 7/m² | 3.4m² |
| 69 - | HEB WIN | Hebe 'Mrs Winder' | Bushy: 5 brks: C | 30-40cm | 3L | 3/m² | 20.4m² |
| 46 - | HEB RAK | Hebe rakaiensis | Bushy: 5 brks: C | | 3L | 3/m² | 14.2m² |
| 29 - | HYD WAV | Hydrangea macrophylla 'Blue Wave' | Branched: 5 brks: C | 40-60cm | 5L | 2/m² | 12.8m² |
| 13 - | HYD LIM | Hydrangea paniculata 'Little Lime | Branched: 3 brks: C | 30-40cm | 3L | 3/m² | 4.2m² |
| 61 - | HYD BLU | Hydrangea serrata 'Bluebird' | Branched: 5 brks: C | 40-60cm | 5L | 2/m² | 27.1m² |
| 32 - | LAV HID | Lavandula angustifolia 'Hidcote' | Bushy: 5 brks: C | 20-30cm | 3L | 3/m² | 8.6m² |
| 9 - | LON PIL | Lonicera pileata | Bushy: 6 brks: C | | 3L | 3/m² | 2.9m² |
| 36 - | MAH APO | Mahonia aquifolium 'Apollo' | Branched: 2 brks: C | 20-30cm | 3L | 4/m² | 8.7m² |
| 93 - | PHO ROB | Photinia x fraseri 'Little Red Robin' | Bushy: 6 brks: C | 30-40cm | 3L | 4/m² | 21.7m² |
| 6 - | PIE FLA | Pieris 'Forest Flame' | Bushy: 3 brks: C | 30-40cm | 3L | 3/m² | 1.8m² |
| 51 - | POT ABB | Potentilla fruticosa 'Abbotswood' | Bushy: 4 brks: C | | 3L | 3/m² | 15.8m² |
| 44 - | POT ELI | Potentilla fruticosa 'Elizabeth' | Bushy: 3 brks: C | | 2L | 4/m² | 10.4m² |
| 8 - | PRU LUS | Prunus lusitanica | Bushy: 4 brks: C | 30-40cm | 3L | 2/m² | 3.3m² |
| 23 - | SAN CHA | Sarcbolina chamaecyparissus | Bushy: 7 brks: C | 20-30cm | 3L | 3/m² | 3.1m² |
| 109 - | SKI RUB | Skimmia japonica 'Rubella' | Bushy: 3 brks: C | 30-40cm | 3L | 4/m² | 25.9m² |
| 10 - | SPI PRI | Spiraea japonica 'Little Princess' | Bushy: 3 brks: C | 20-30cm | 3L | 3/m² | 2.9m² |
| 14 - | VIB DAV | Viburnum davidii | Bushy: 3 brks: C | 20-30cm | 3L | 3/m² | 4.4m² |
| 19 - | VIB PRI | Viburnum tinus 'Eve Price' | Bushy: 4 brks: C | 30-40cm | 3L | 2/m² | 7.6m² |
| 12 - | VIN MAJ | Vinca major | Several Shoots: 3 brks: C | | 3L | 3/m² | 3.6m² |
| Total :1554 - | | | | | | | Total :428.7m² |

| Herbaceous | | | | | | |
|---|---|---|---|---|---|---|
| Number of Plants | Abbreviation | Species | Specification | Height | Pot Size | Density | Area |
| 23 - | ALC MOL | Alchemilla mollis | Full Pot: C | | 3L | 3/m² | 7.1m² |
| 20 - | AST FAN | Astilbe 'Fanal' | Full Pot: C | | 3L | 4/m² | 4.6m² |
| 14 - | AST GRA | Astilbe 'Granat' | Full Pot: C | | 3L | 4/m² | 3.4m² |
| 47 - | BER COR | Bergenia cordifolia | Full Pot: C | | 3L | 5/m² | 8.8m² |
| 13 - | ECH MAG | Echinacea purpurea 'Magnus' | Full Pot: C | | 3L | 4/m² | 3.1m² |
| 10 - | EUP ROB | Euphorbia amygdaloides robbiae | Full Pot: C | | 3L | 5/m² | 1.9m² |
| 54 - | GER BLU | Geranium 'Johnson's Blue' | Full Pot: C | | 3L | 4/m² | 12.5m² |
| 55 - | GER ALB | Geranium macrorrhizum 'Album' | Full Pot: C | | 3L | 4/m² | 12.4m² |
| 35 - | HEU RUF | Heuchera 'Chocolate Ruffles' | Full Pot: C | | 3L | 4/m² | 8.2m² |
| 123 - | HEU MAR | Heuchera 'Marmalade' | Full Pot: C | | 3L | 4/m² | 29m² |
| 23 - | HEU PUR | Heuchera micrantha 'Palace Purple' | Full Pot: C | | 3L | 4/m² | 5.1m² |
| 12 - | RUD GOL | Rudbeckia fulgida sullivantii 'Goldsturm' | Full Pot: C | | 3L | 4/m² | 2.7m² |
| 7 - | SAL TRI | Salvia officinalis 'Tricolor' | Full Pot: C | | 3L | 4/m² | 1.6m² |
| Total :436 - | | | | | | | Total :100.4m² |

| Formal Hedge | | | | | | |
|---|---|---|---|---|---|---|
| Number | Abbreviation | Species | Specification | Height | Pot Size | Density | Length |
| 5380 - | PRU LUY | Prunus laurocerasus 'Otto Luyken' | Bushy: 3 brks: C | 20-40cm | 2L | 5/m | 1066m |
| | | | | | | | Total :1066m |

| Hawthorn Hedgerow | | | | | | |
|---|---|---|---|---|---|---|
| Number | Abbreviation | Species | Specification | Height | Density | Length |
| 872 - | C mon | Crataegus monogyna | 1+1 :Transplant - seed raised | B | 60-80cm | 0.3Ctr Double Staggered at 0.3m offset | 130.5m |
| 492 - | FAGSY | Fagus sylvatica | | | 5/m | 97.6m |
| | | | | | | Total :228.1m |

| Grass Areas | | | |
|---|---|---|---|
| Area | Seed Mix Name | Seed Mix Supplier | Density |
| 929.4m² | RE3 | Germinal | 5g/m² |
| 349.6m² | WF19 | Germinal | 2g/m² |
| Total :1279m² | | | |

| Native Shrub Mix | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Number | Abbreviation | Species | Specification | Height | Pot Size | Density | Percentage Contribution | Area |
| 79 - | COR AVE | Corylus avellana | 1+2: Transplant - seed raised: Branched: 3 brks: B | 60-80cm | | 1Ctr | 15% | 75.1m² |
| 203 - | CRA MON | Crataegus monogyna | 1+1: Transplant - seed raised: B | 60-80cm | | 1Ctr | 40% | 200.2m² |
| 79 - | ILE AQU | Ilex aquifolium | Leader with Laterals: C | 40-60cm | 3L | 1Ctr | 15% | 75.1m² |
| 104 - | PRU SPI | Prunus spinosa | 1+1: Transplant - seed raised: Branched: 2 brks: B | 60-80cm | | 1Ctr | 20% | 100.1m² |
| 54 - | VIBOP | Viburnum opulus | 1+2: Transplant - seed raised: Branched: 3 brks: B | 60-80cm | | 1Ctr | 10% | 49.9m² |
| Total :519 - | | | | | | | | Total :500.4m² |

Native Hedgerow Mix

**Landscape Layout Key:**

- Site Boundary
- Existing trees and hedgerows to be retained and protected during the works.
- Existing trees to be removed
- Proposed ornamental planting on 400mm depth of topsoil with 75mm bark mulch.
- Proposed native tree planting, tree pit and double staking as detailed in the specification.
- Small ornamental tree/ large shrub planting, tree pit and double staking as detailed in the specification.
- Proposed single or mixed native hedgerow planted in a double staggered row at 0.3m centres and 0.3 offset. Bare root transplants with shelter guard tubes and stakes.
- Proposed single/ mixed native species formal hedge planted in a single row at 0.2 centres. Container transplants.
- Front gardens to be turfed on 150mm topsoil.
- Public open space to be sown with Germinal AberSustain mix, or similar approved, to be sown at a rate of 40g/m2 on 150mm topsoil.
- Public open space to be sown with Germinal Eco Species Rich Lawn mix, or similar approved, to be sown at a rate of 10g/m2 on 150mm topsoil.
- Native tree / shrub planting to be planted as 60-80cm whip planting at 1m centres, for additional wildlife habitat.
- Wildflower seeding, Germinal RE3 River Floodplain / Water Meadow (MG8 Grassland), to the existing water course to public open space to be sown at 5g/m2.
- Wildflower seeding, WF19 Pollinators Paradise, to the public open space to be sown at 2g/m2.

Retain Part of Existing Hedgerow

Lane Farm

Footpath Link

Footpath Link

Footpath (um)

SHEET 4

NTS

DO NOT SCALE

ALL COORDINATES RELATED TO LOCAL GRID LOCATED TO OS NG BY BEST FIT TO DETAIL, EXTRACTED FROM OS DIGITAL DATA

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**LANDSCAPE AND MAINTENANCE SPECIFICATION**

All operations to comply with appropriate British Standards unless otherwise stated on drawings or in the specification.

**GENERAL TREATMENT OF PLANTING AREAS**

Ensure that planting areas are protected from consolidation by heavy construction plant.

**For work near a retained tree:** Refer to BS 5837 *Trees in relation to design, demolition & construction - Recommendations* (see Section 5 Appendix C).

**Damage to Plants to be Retained:** If a plant is to be retained is damaged, the plant is to be repaired or replaced by the contractor at their own expense. "Damaged" means:

- The removal of branches, the cutting or tearing of branches or roots
- The debarking of trunks or limbs
- The contamination of root zone soil or plants from drift sprays, dust or contaminated storm water
- The damage by the placement of fill or building materials within the canopy perimeter or otherwise.

**1) GROUND PREPARATION AND SOIL SPECIFICATION**

**Subsoil:**
Prior to planting topsoil, subsoil shall be loosened using appropriate equipment to a depth of 300mm. This shall be done when the subsoil is dry so as to encourage soil shattering. All stones and other objects larger than 50mm shall be removed from the prepared surface. The loosened subsoil shall be roughly levelled so that an even depth of topsoil can be achieved.

**Topsoil (To Comply with British Standard 3882:2015 - Specification for Topsoil):**
Imported topsoil shall be Multipurpose Grade as described in BS 3882:2015 and suitable for sustaining plant life. Stockpiling of soil shall be avoided wherever possible to minimise loss of physical quality, diffusion of oxygen and microbial activity.
Any stockpiling shall not exceed 1.5 metres high and shall be sited so as to avoid risk of muddy water run-off into a watercourse, not exceeding 1.5 metres high.
The site of the stockpile will be prepared in advance by grading, removing rubbish and ensuring no fuel or chemicals were previously stored in area.
Topsoil shall be carefully handled in layers not exceeding 150mm using track laying machinery.
Soil shall not be handled in inappropriate conditions of weather and soil moisture i.e.
During or shortly after heavy precipitation
When soil is in a waterlogged condition
When the ground is frozen or covered by snow
When soil is in a condition unsuitable to provide a suitable surface.
Topsoil shall be laid to the following minimum depths:
150mm below new grass areas
300mm below trees
400mm beneath new shrub areas.
Finished levels, after settlement, shall be as follows:
25mm above adjacent paving from new grassed areas and non-mulched shrub beds
75mm below adjacent paving and grass for mulched planting beds.
100mm below damp proof courses.

**2) GROUND CONDITIONING**
All trees of compost to be incorporated into the top 200mm of each square metre of topsoil for all ornamental shrub beds.

**3) PLANT AND PLANTING SPECIFICATION**
All plant stock, plant handling and planting to be undertaken in accordance with the following British Standard recommendations and Codes:
BS 8545:2014 Trees: from nursery to independence in the landscape.
BS 3936: Part 1 1992 Nursery stock (Specification for trees and shrubs)
BS 3936: Part 4 1984 Nursery stock (Specification for forest trees)
BS 3936: Part 5 1971 Nursery stock (Specification for poplar and willow cuttings and sallets)
BS 3936: Part 10 1990 Nursery stock (Specification for ground cover plants)
BS 4428: 1989 Recommendations for general landscaping operations.
BS 4043: 1989 Recommendations for transplanting root-balled trees. (withdrawn)
The Code of Practice for Plant Handling 1985. (Horticultural Trades Association).

**Plant Stock:**
Plant stock to be supplied in accordance with the size and description specified on the plant schedule and position indicated on the most current revision of the planting plan.

Plant stock shall be healthy, vigorous, free from pests and diseases and suitably hardened off for the proposed situation of planting and lifted at a time in accordance with good nursery practice. Stock shall have a well-formed root system appropriate and be free from perennial weeds. The form of trees shall be in accordance with BS 3936 Part 1992, Section 1, Form of Trees.

**Plant Handling:**
All plant materials shall be lifted, bundled, labelled, packaged, transported, temporarily stored and planted in accordance with the current recommendations of the Code of Practice for Plant Handling" (Horticultural Trades Association) and relevant sections of BS 4043: 1989 *Transplanting Root-Balled Trees*.

**Tree Planting:**
Trees to be of planted following supplier recommendations. Minimum pit size: Extra Heavy standard tree 1500 x 1500 x 900, and Heavy standard tree 1000 x1000 x 750mm.
Pits to be prepared to base and sides of pit to be further scarified.
Trees to be double staked using two stakes (75mm dia.), driven into ground 300mm below bottom of pit. Base of pit to be filled with 225mm of topsoil / compost, backfill firmly.
Trees to be centrally located and stem placed in an upright position. Pit to be backfilled with a 3:1 mix of an approved topsoil / compost. Backfill firmly to 50mm above previous ground level to allow for settlement. Stakes to be save leave 600mm above soil level.
Water in same day with 52 litres per tree.
Trees to be supplied to the following minimum standard according to BS 3936: 1992 Part 1 Nursery Stock.
Specification for Trees and Shrubs, BS 4043: 1989 Recommendations for transplanting root-balled trees.

**Staking:**
Stake all heavy standard trees with double short stakes. Stakes to be round timber with chamfered tops. Position stake close to tree on windward side and drive vertically at least 400mm into bottom of pit before planting. Backfilling: consolidate material around stake. Height of stakes: cut to approximately one third of the tree height above ground level, taking care not to damage the bark. Ties: Hessian. Tying: secure tree firmly but not rigidly to stake with at least 2 ties within 25mm of top of stake.

**Mulch:**
All shrub beds shall be spread with a medium grade bark mulch to a settled depth of 75mm. Mulch to be free from trees, weeds, disease and contaminants.

**Ornamental shrub planting:**
To be set out carefully and evenly over indicated areas. Remove plants from pots and plastic containers, plant and backfill with approved topsoil / compost mixture and plant in accordance with details.
pits sized to accommodate full spread of roots. Plants shall be evenly spaced over the planting area. Firm backfill by treading, ensuring the ground is not overly compacted and that the plant is positioned upright.

**Native shrub planting:**
Bare root stock shall be planted between November and March. Consistent in species, cultivar and clone to ensure a uniform hedge. Plants to be planted in groups of 3, 5 or 7 of the same species.
Plants shall be evenly spaced over the planting area. Ensure plants are planted to the correct depth to correspond to the soil mark on main stems. Plants to be protected with 60cm high Tubex shrub shelter guards and stakes with ties. Undertake formative pruning if necessary.

**New formal hedges –** Bare root stock shall be planted between November and March. Consistent in species, cultivar and clone to ensure a uniform hedge.
Plants to be planted in a previous prepared planting bed 5-timete wide. Planted to be centrally in a single row. Ensure plants are planted to the correct depth to correspond to the soil mark on main stems. Plants to be protected with 60cm high Tubex shrub shelter guards and stakes with ties.
Prune back to a height of 1 metres.

**New single or mixed native hedgerows**
Bare root stock shall be planted between November and March. Consistent in species, cultivar and clone to ensure a uniform hedge. Plants to be planted in groups of 3, 5 or 7 of the same species.
To be planted in a previous prepared planting bed 5metre wide. Planted to be centrally in a double row. 300mm between plants and 300mm between rows. Ensure plants are planted to the correct depth to correspond to the soil mark on main stems. Plants to be protected with 60cm high Tubex shrub shelter guards and stakes with ties.
Prune back to a height of 2 metres.

**Turfed Areas:**
To be specified and laid in accordance with BS: 3936:1998 Recommendations for turf for general purposes. Turf to be Lindum Festival Turf (or similar approved). Hardwearing with a dense sward containing a mixture of: 28% perennial ryegrass, 55% fescues and 20% smooth stalked meadow grass. This mix is easy to maintain and will recover well from wear and tear.
Turf to be laid in suitable weather conditions on a prepared bed with no weeds and a suitable slow release fertiliser applied to bed prior to laying. Turf to be watered regularly until it is well established.

**Rear gardens:**
Topsoil shall be supplied to a depth of 300mm as per ground preparation and soil specification.
Topsoil to be supplied as per ground preparation and soil specification to a depth of 300mm, after gentle compaction and to be left bare in rear gardens.

**Grass Seeding:**
Public open spaces shall be Germinal AberSustain mix, or similar approved. Sowing to be taken between March and October.
Topsoil shall be cultivated to a fine tilth, be free from weeds, stones and other debris. Levels to be graded to form:
Seed mix shall be Germinal WF19 Pollinators Paradise, or similar approved.
Roll, fertilise at 50g/sq.m, to 10-14 days prior to seeding, sow at rate of 40g/m2 and lightly rake. First cut to be undertaken when grass reaches 50mm.

**Wildflower Seeding:**
Seed mix shall be Germinal WF20 Eco Species Rich Lawn, or similar approved. Sowing to be taken between March and October.
Topsoil shall be cultivated to a fine tilth, be free from weeds, stones and other debris. Sow at rate of 10 g/m2 and lightly rake. First cut to be undertaken 8 weeks after sowing or when reaches 70-mm.

Seed mix shall be Germinal RE3 River Floodplain / Water Meadow (MG8 Grassland), or similar approved within the proposed pond. Sowing to be taken between March and October.
Topsoil shall be cultivated to a fine tilth, be free from weeds, stones and other debris. Sow at rate of 5 g/m2 and lightly rake. First cut to be undertaken 8 weeks after sowing or when reaches 70mm.

Seed mix shall be Germinal WF19 Pollinators Paradise, or similar approved, Sowing to be taken between March and October.
Topsoil shall be cultivated to a fine tilth, be free from weeds, stones and other debris. Sow at rate of 2 g/m2 and lightly rake. First cut to be undertaken 8 weeks after sowing or when reaches 70mm.

**4) MAINTENANCE AND MANAGEMENT**

Plant stock and soft landscaped areas shall be maintained for a period of five years via the developers' agent or appointed Management Company during which time the following operations shall be carried out:

**Regular visits:**
Monthly maintenance visits to include the following operations:

- Hand weed planting beds
- Remove litter
- Sweep mulch spillage
- Re-firming plant stock to ensure the new planting is all planting to upright positions.
- Replacement of failed plant stock
- Prune plant stock as required to encourage good form
- Check all plant stock and report signs of pests, disease, death and damage

**Mulch:**
Top up mulch levels (using matching material) surrounding trees and within beds to 75mm at the end of the maintenance period.

**Watering:**
Plant stock to receive the following minimum quantities of water:
Extra Heavy Standard trees 50 litres each month between April and September
Heavy Standard trees 25 litres each month between April and September.
Shrubs and transplants: 5 litres/plant on three occasions throughout growing season.
Watering to be undertaken during the first 24 months as needed to maintain plant health.

**Grass Maintenance:**
Grass to be cut regularly throughout the growing season to maintain a sward of approximately 38mm. Shall be edged, watered as necessary and clippings removed.

**Wildflower Maintenance**
Wildflower areas shall be cut 2 times a year during the late spring and after the flower season (September / October) to maintain a sward of approximately 40mm. The clippings shall be left in situ for 3 days to allow seed drop, then removed to prevent nutrient build up.

**WF20 Eco Species Rich Lawn Maintenance:**
Autumn Sown: during the first year: first cut shall be early July, then monthly during August, September and October to maintain a sward of approximately 70mm.
Thereafter: shall be cut 2 times a year mid-July to early September to maintain a sward of approximately 70-100mm.
Spring Sown: during the first year: first cut shall be mid-September, then again during October to maintain a sward of approximately 70mm.
Thereafter: shall be cut 1 time a year mid-July to early September or as required leaving at least fortnight between cuts to maintain a sward of approximately 70mm.
The clippings shall be left in situ for 3 days to allow seed drop, then removed to prevent nutrient build up.

**New tree/shrub planting**
Weed control by hand to ensure planting area is weed free. Check stakes and guards are in place and replace where necessary. Prune, thin and remove suckers, seedlings, dead, damaged, or diseased branches annually between October and January to avoid the bird nesting season. Replace dead / dying stock in winter.

**Plant replacements:**
All dead, dying and vandalised plant stock shall be replaced at the landscape contractor's expense, at the end of each growing season throughout the maintenance period.

| REV | DESCRIPTION | DATE |
|---|---|---|
| KA | Amended to layout "...Rev Q" | 10/06/24 |
| J | Amended to layout "...Rev LA1" | 08/03/24 |
| I | Amended to layout "...Rev K" | 09/01/24 |
| H | Amended to layout "...Rev J" | 07/12/23 |

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CLIENT: Castle Green Homes

PROJECT: Rossett Road, Wrexham

DRAWING TITLE: Planting Plan (Sheet 4 of 5)

| SCALE: | DRAWING No: | REV: |
|---|---|---|
| 1:200 @ A0 | | |
| DRAWN BY: CN | CHKD BY: CO | DATE: 20/01/2021 | P.1416.20.02 | KA |