

PLANTING SCHEDULE

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification
A gl	<i>Alnus glutinosa</i>	Common Alder	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
B pe	<i>Betula pendula</i>	Common Silver Birch	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
C be	<i>Carpinus betulus</i>	Common Hornbeam	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
M sy	<i>Malus sylvestris</i>	Common Crab Apple	8-10	250-300	B	2x Std. clear stem 175-200cm; 4 brks
P av	<i>Prunus avium</i>	Wild Cherry	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
Q r	<i>Quercus robur</i>	Common Oak	8-8	250-300	RB	2x LS, clear stem 150-175cm; 3 brks
S ai	<i>Sorbus aria</i>	Whitebeam	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
S auc	<i>Sorbus aucuparia</i>	Rowan	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification
A ca 'S'	<i>Acer campestre</i> 'Streetwise'	Field Maple 'Streetwise'	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
A lam	<i>Amelanchier lamarckii</i>	Juneberry	6-8	250-300	RB	2x LS, clear stem 150-175cm; 3 brks
A un	<i>Aquilegia unedo</i>	Strawberry Tree	8-10	250-300	RB	3x branched; clear stem 100-125cm; 3 brks
C k	<i>Cornus kousa</i>	Kousa Dogwood		200-250	65-65L	Branched; 5 brks
H x i 'A P'	<i>Hamamelis x intermedia</i> 'Arnold Promise'	Witch Hazel 'Arnold Promise'		150-175	20-25L	Branched; 6 brks
M J 'D'	<i>Malus 'John Downie'</i>	Crab Apple 'John Downie'	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
P 'A'	<i>Prunus 'Accolade'</i>	Flowering Cherry 'Accolade'	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
P av	<i>Prunus avium</i>	Wild Cherry	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
P 'K'	<i>Prunus 'Kanzan'</i>	Japanese Cherry 'Kanzan'	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
S auc 'F'	<i>Sorbus aucuparia</i> 'Fastigiata'	Fastigate Rowan	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks
S auc 'S'	<i>Sorbus aucuparia</i> 'Streetwise'	Rowan 'Streetwise'	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification
M d 'G D'	<i>Malus domestica</i> 'Golden Delicious'	Apple 'Golden Delicious'	8-10	250-300	B	2x Std. clear stem 175-200cm; 3 brks
M d 'Su'	<i>Malus domestica</i> 'Sunset'	Apple 'Sunset'	8-10	250-300	B	2x Std. clear stem 175-200cm; 3 brks
P com	<i>Pyrus communis</i>	Common Pear	8-10	250-300	RB	2x Std. clear stem 175-200cm; 3 brks

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mx %	per m²
A ca	<i>Acer campestre</i>	Common Maple	80-100	B		10.0	1
B pa	<i>Betula pendula</i>	Common Silver Birch	80-100	B	1+1; Transplant - seed raised	10.0	1
C be	<i>Carpinus betulus</i>	Common Hornbeam	175-200	B	2x Feathered; 4 brks	5.0	1
C san	<i>Cornus sanguinea</i>	Common Dogwood	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	5.0	1
C av	<i>Corylus avellana</i>	Common Hazel	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	5.0	1
C mon	<i>Crataegus monogyna</i>	Common Hawthorn	60-80	B	1+1; Transplant - seed raised	10.0	1
I a	<i>Ilex aquifolium</i>	Common Holly	60-80	5L	Leader with laterals	5.0	1
I a	<i>Ilex aquifolium</i>	Common Holly	125-150	RB	Leader with laterals	5.0	1
M sy	<i>Malus sylvestris</i>	Common Crab Apple	80-80	B	1+1; Transplant - seed raised	5.0	1
M sy	<i>Malus sylvestris</i>	Common Crab Apple	175-200	B	2x Feathered; 5 brks	5.0	1
P pad	<i>Prunus padus</i>	Bird Cherry	175-200	B	2x Feathered; 5 brks	5.0	1
Q r	<i>Quercus robur</i>	Common Oak	175-200	B	2x Feathered; 5 brks	10.0	1
S auc	<i>Sorbus aucuparia</i>	Rowan	175-200	B	2x Feathered; 5 brks	5.0	1
T pl	<i>Tilia platyphyllos</i>	Large-leaved Lime	80-100	B	1+1; Transplant - seed raised	5.0	1
V op	<i>Viburnum opulus</i>	Guelder Rose	100-125	B	1+2; Transplant - seed raised; branched; 3 brks	5.0	1

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mix %	per m²
C san	<i>Cornus sanguinea</i>	Common Dogwood	60-80	B	1+1; Transplant - seed raised; branched; 3 brks	10.0	4
C av	<i>Corylus avellana</i>	Common Hazel	60-80	3L	Branched; 3 brks	15.0	4
C mon	<i>Crataegus monogyna</i>	Common Hawthorn	60-80	3L	1+1; Transplant - seed raised; branched; 4 brks	15.0	4
L vu	<i>Ligustrum vulgare</i>	Common Privet	60-80	3L	Branched; 4 brks	10.0	4
R ca	<i>Rhamnus cathartica</i>	Common Buckthorn	40-60	B	1+1; Transplant - seed raised; leader with laterals; 3 brks	10.0	4
R ca	<i>Rhamnus cathartica</i>	Common Buckthorn	40-60	2L	Leader with laterals; 3 brks	10.0	4
R can	<i>Rosa canina</i>	Dog Rose	40-60	3L	Branched; 5 brks	10.0	4
V l	<i>Viburnum lantana</i>	Wayfaring Tree	30-40	3L	Branched; 4 brks	10.0	4
V op	<i>Viburnum opulus</i>	Guelder Rose	40-60	3L	Branched; 4 brks	10.0	4

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	per m
C be	<i>Carpinus betulus</i>	Common Hornbeam	60-80	B	1+1; Transplant - seed raised	5
L vu	<i>Ligustrum vulgare</i>	Common Privet	40-60	B	0/1; Cutting; branched; 2 brks	5

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	per m²
A h 'S C'	<i>Anemone hepatica</i> 'September Charm'	Japanese Anemone 'September Charm'		5L	Full pot	7
B 'S W'	<i>Bergenia 'Bressingham White'</i>	Elephant's Ears 'Bressingham White'		3L	Full pot	7
C nob	<i>Chamaemelum nobile</i>	Lawn Chamomile		3L	Full pot	7
C ter	<i>Choisyia ternata</i>	Mexican Orange Blossom	30-40	3L	Bushy; 4 brks	4
E pu	<i>Echinacea purpurea</i>	Purple Coneflower		2L	Full pot	7
E ci	<i>Erica cinerea</i>	Bell Heather		2L	Bushy	5
E x m	<i>Euphorbia x martinii</i>	Martin's Spurge		Full pot	Bushy	7
H 'M W'	<i>Hebe 'Mrs Winder'</i>	Shrubby Veronica 'Mrs Winder'	30-40	5L	Bushy; 5 brks	4
L an 'H'	<i>Lavandula angustifolia</i> 'Hidcote'	Lavender 'Hidcote'	20-30	5L	Bushy; 7 brks	5
L per	<i>Lonicera periclymenum</i>	Common Honeysuckle	60-80	2L	Caned; several shoots; 2 brks	4
P j	<i>Pieris japonica</i>	Japanese Pieris	30-40	5L	Bushy; 4 brks	5
R of	<i>Rosmarinus officinalis</i>	Savemary	40-60	5L	Bushy; 5 brks	5
R of M J U	<i>Rosmarinus officinalis</i> 'Miss Jessopp's Upright'	Rosemary 'Miss Jessopp's Upright'	30-40	4L	Bushy; 5 brks	5
T x c	<i>Thymus x citriodorus</i>	Lemon Thyme		3L	Full pot	4

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	per m²
B t	<i>Berberis thunbergii</i>	Japanese Barberry	40-60	3L	Branched; 5 brks	5
B 'Sun'	<i>Brachyglottis 'Sunshine'</i>	Shrub Ragwort 'Sunshine'	40-60	5-7 5L	Branched; 6 brks	7
B mac	<i>Brunnera macrophylla</i>	Siberian Bugloss		2L	Full pot	7
C s 'F'	<i>Cornus stolonifera</i> 'Flaviramea'	Yellow-stemmed Dogwood	60-80	3L	Branched; 4 brks	4
E pu	<i>Echinacea purpurea</i>	Purple Coneflower		5L	Full pot	7
E b	<i>Echinops bannaticus</i>	Blue Globe Thistle		3L	Full pot	7
E x e	<i>Elaeagnus x ebbingei</i>	an Oleaster	40-60	3L	Branched; 3 brks	4
E c 'S P'	<i>Erica carnea</i> 'Springwood Pink'	Alpine Heath 'Springwood Pink'		3L	Bushy	5
H f	<i>Helleborus foetidus</i>	Stinking Hellebore		3L	Full pot	7
H m B W'	<i>Hydrangea macrophylla</i> 'Blue Wave'	Hydrangea 'Blue Wave'	40-60	4L	Branched; 5 brks	4
L vu	<i>Ligustrum vulgare</i>	Common Privet	40-60	2L	Branched; 3 brks	4
M a	<i>Mahonia aquifolium</i>	Oregon Grape	20-30	2L	Branched; 2 brks	4
P ten	<i>Pittosporum tenuifolium</i>	Kohuhu	30-40	5L	Branched; 5 brks	5
S h 'W'	<i>Salix hastata</i> 'Wehrhahnii'	Halberd Willow 'Wehrhahnii'	20-30	2L	Branched; 2 brks	4
S hu	<i>Sarcococca humilis</i>	Dwarf Sweet Box	25-30	5L	Bushy; 6 brks	5
V mi	<i>Vincia minor</i>	Lesser Periwinkle		2L	Several shoots; 3 brks	7

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	per m²
C x a 'K P'	<i>Calamagrostis x acutiflora</i> 'Karl Foerster'	'Feather' Reed Grass 'Karl Foerster'		2L	Full pot	5
C x 'B'	<i>Deschampsia cespitosa</i> 'Bronzescapellae'	Tufted Hair Grass 'Bronzescapellae'		2L	Full pot	5
H m 'A'	<i>Hakonechloa macra</i> 'Aureola'	Golden Japanese Forest Grass		2L	Full pot	5
L niv	<i>Luzula nivea</i>	Snowy Wood-rush		2L	Full pot	5
L sy	<i>Luzula sylvatica</i>	Great Wood-rush		2L	Full pot	5
M ai 'S'	<i>Micranthus sinensis</i> 'Siberfeder'	Eulalia 'Siberfeder'		2L	Full pot	4
M ca 'M'	<i>Molinia caerulea</i> 'Moorheux'	Purple Moor Grass 'Moorheux'		3L	Full pot	5

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	per m²
A sph	<i>Alium sphaerocephalum</i>	Round-headed Leek		1L	Full pot	7
A lam	<i>Amelanchier lamarckii</i>	Juneberry	250-300	B	2x LS, clear stem 150-175cm; 3 brks	1
A nem	<i>Anemone nemorosa</i>	Wood Anemone		1L	Full pot; Sept to April planting; British native-origin	30
A div	<i>Aster divaricatus</i>	White Wood Aster		2L	Full pot	5
B m 'J F'	<i>Brunnera macrophylla</i> 'Jack Frost'	Siberian Bugloss 'Jack Frost'		2L	Full pot	5
C m 'J D'	<i>Carex morrowii</i> 'Ice Dance'	Japanese Sedge 'Ice Dance'		2L	Full pot	5
C ter	<i>Choisyia ternata</i>	Mexican Orange Blossom	40-60	4L	Bushy; 5 brks	4
C san 'M F'	<i>Cornus sanguinea</i> 'Midwinter Fire'	Dogwood 'Midwinter Fire'	60-80	B	0/1/1; Transplant - cutting raised; branched; 3 brks	4
C av 'Z'	<i>Corylus avellana</i> 'Zelermusa'	Hazel 'Zelermusa'	80-100	7 5L	Branched; 3 brks	1
D c 'G o'	<i>Deschampsia cespitosa</i> 'Goldtau'	Tufted Hair Grass 'Goldtau'		3L	Full pot	4
D er	<i>Dryopteris erythrosora</i>	Japanese Rosy Buckler		3L	Full pot	4
D m	<i>Dryopteris filix-mas</i>	Male Fern		3L	Full pot	4
L an	<i>Lavandula angustifolia</i>	True Lavender	20-30	4L	Bushy; 5 brks	5
MAG SUS	<i>Magnolia 'Susan'</i>	Magnolia 'Susan'	80-100	12L	Bushy; 3 brks	1
M sp	<i>Mentha spicata</i>	Spearmint		3L	Full pot	7
R ts 'G'	<i>Rudbeckia fulgida</i> 'sultivanti' 'Goldsturm'	Black-eyed Susan 'Goldsturm'		3L	Full pot	7
SAL AM	<i>Salvia 'Amstel'</i>	Sage 'Amstel'		2L	Full pot	7
S n 'C'	<i>Salvia nemorosa</i> 'Caradonna'	Balkan Clay 'Caradonna'		3L	Full pot	7
S aut	<i>Sesleria autumnalis</i>	Autumn Moor Grass		3L	Full pot	7
S by	<i>Stachys byzantina</i>	Lamb's Ears		5-7 5L	Full pot	7
V b	<i>Verbena bonariensis</i>	Argentinian Vervain		2L	Full pot	7

PLANTING NOTES

General

- Plant material shall be in accordance with the National Plant Specification. Plant handling and planting operations shall follow the guidelines in HTA 'Handling and Establishing Landscape Plants', Parts I-III.
- Imported topsoil (if required) shall meet BS 3882 Multipurpose Grade standards and be sourced from an approved supplier. Existing topsoil for re-use must contain no more than 35% clay and at least 5% organic matter, with a pH range of 5.5-8.5. It must also be free from perennial weeds, weed seeds, and contaminants, with a maximum stone content of 20% (>20mm particle size) and individual stones no larger than 50mm in any dimension. Ameliorate or screen existing topsoil as necessary to meet these specifications.
- Soil conditioner: Apply a 75mm depth of sanitized and stabilized compost conforming to BSI PAS 100. Incorporate into the topsoil to a minimum depth of 150mm during cultivation. Compost must be certified by the Compost Association or sourced from an approved supplier.
- Mulch all planting beds with matured coniferous bark (5-35mm particle size) to a minimum depth of 75mm over weed-free soil after planting and watering operations.

Existing Features

- Protect existing grassland areas retained on site from damage during construction. Re-seed any bare or disturbed areas after works are complete.
- Protect all retained trees in accordance with BS5837 (2012) during construction works.

Tree Planting

- Tree pits in soft landscape areas:
 - Multi-stem and standard: 1200mm diameter x 600mm depth.
 - Standard (selected) and feathered: 600mm diameter x 600mm depth.
 - Whips/Transplants: Pits 150mm wider and 75mm deeper than root spread.
 - Support trees with 2 x 75mm diameter stakes, cut 600mm above ground level, and 2 x adjustable tree ties.
 - All tree pits to be backfilled with excavated topsoil and compost, mixed with slow-release fertiliser, quantity in accordance with manufacturer's recommendations, and firmed in.
- Install rabbit protection for all whips and transplants using spiral HDPE guards 0.6m high x 50mm diameter (or larger, to suit girth). Secure guards with 900mm bamboo canes inserted 300mm below ground. Protection must allow natural tree movement and unrestricted growth.
- Fit all street trees with aeration/watering pipes and inlets.

Mixed Native Hedgerow Planting

- Prepare a 0.5m wide x 0.3m deep weed-free trench (or larger as required to accommodate root spread). Fork over and "rip" the trench base and sides to improve drainage before backfilling. Use an appropriate mix of excavated topsoil and compost if necessary (Compost Association certified or from an approved supplier). Work by hand near existing trees or hedgerows. Avoid herbicide application.
- For existing hedgerows: Fill gaps >0.5m with bare-root transplants and container-grown shrubs planted at 0.5m centres. Hand dig carefully to avoid damaging roots >2.5cm in diameter.
- For new hedgerows: Plant shrubs at 0.5m centres. Transplants shall be notch-planted, while container-grown shrubs shall be pit-planted in pits 150mm wider than the root spread. Ensure the root collar sits at ground level after planting and firming.
- Install rabbit protection as follows:
 - Transplants, cuttings, seedlings: Photodegradable PP tube guards (0.6m high x 50mm diameter or greater, to suit girth), supported by 900mm bamboo stakes.
 - Container-grown shrubs: Recycled HDPE photodegradable mesh guards (0.6m high x 150-180mm diameter or greater, to suit girth), supported by 900mm timber stakes.

Planting Beds and Ornamental Hedges

- Incorporate 75mm of sanitized and stabilized compost (to BSI PAS 100) into topsoil to a minimum depth of 150mm.
 - Shrubs shall be planted in pits 150mm wider and 75mm deeper than the root spread, backfilled with a mix of excavated topsoil and compost. Incorporate slow-release fertilizer as per manufacturer's recommendations.
 - Mulch planting beds with matured coniferous bark (particle size 5-35mm) to a depth of 75mm over weed-free soil after planting and watering operations.
- Proposed Grass Areas**
- Amenity grass: Turf according to BS 3969 or seed with a suitable amenity grass mix at 35g/m² or per the manufacturer's instructions.
 - Meadow grass: Broadcast seed at 4g/m² for areas of made or disturbed ground. Follow manufacturer's guidelines for preparation and sowing. Ensure thorough seedbed preparation to establish a fine tilth.

Planting Seasons

- Deciduous trees and shrubs: Late October to late March.
- Conifers and evergreens: September/October or April/May.
- Container-grown plants and grass turf: Any time with favourable ground and weather conditions.
- Grass seeding: August to October, subject to weather conditions.

Watering

All planting to be watered immediately after planting, and watered regularly during establishment period to ensure successful establishment.

LANDSCAPE MANAGEMENT PLAN

Establishment and Maintenance Period (Years 1-5)

Pruning Generally

- Remove all dead, damaged, or diseased tree branches, and dispose of all arisings off-site. Prune shrubs during the appropriate season to maintain health, encourage vigour, and prevent encroachment on paths or car parking areas. Deadhead flowering shrubs and herbaceous plants at the end of their flowering season.

Native Woodland Planting

- Remove any non-native species that establish. Retain standing and fallen deadwood to promote habitat diversity and allow trees to develop a varied age structure over time.

Hedgerows

- Prune hedgerows on one side each year, alternating on a 2- or 3-year rotation in February, to maintain a height of 2-3 meters. This encourages dense growth while providing habitats and foraging opportunities for wildlife.

- Maintain a minimum width of 1.5 meters, ensuring the gap between the ground and the hedge base does not exceed 0.5 meters. Retain a 1-meter-wide strip of uncut grassland at the outer edge of the hedgerow.

Hedges

- Formally prune proposed hedges, maintaining a 1-meter-wide weed-free strip (50 cm on either side of the hedge) for the first three to five years or until plants are established. Trim hedges to a height of 1-1.2 meters with a chamfered shape.

Amenity Grass

- Regularly mow amenity grass to maintain a height between 35 mm and 75 mm. Remove clippings and apply a suitable fertiliser in spring of Year 2.

Meadow Grass

- In the first year after seeding, mow meadow grass short twice (spring and autumn) to a height of 75 mm. In subsequent years, mow twice annually:
 - Summer (late July to late August) to a height of 150 mm.
 - Autumn (September) to a height of 75 mm.
- Remove all arisings to reduce soil fertility.

General Maintenance

- Maintain all planting and grass areas with the following tasks:
 - Provide adequate irrigation.
 - Control weeds through herbicide application or hand weeding.
 - Regularly pick litter.
 - Apply fertiliser in spring of Years 1, 2, and 3.
 - Replenish mulch as needed.
 - Inspect tree stakes, ties, and guying systems to ensure they are secure and not causing damage to tree stems.
- Remove stakes and ties once trees are self-supporting, and dispose of materials appropriately.
- Replace any plants that fail to thrive or die within the 5-year establishment period during the next suitable planting season.
- Remove guards once trees have successfully established within years 3-5 of establishment period.

Long-Term Management Plan

Pruning Generally

- Remove dead, damaged, or diseased tree