

## Native Trees for Larger Open Landscape Areas

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Total
A ca	Acer campestris	Common Maple	0	0	RB	3x:HS; clear stem min. 200cm; 5 brks	2
A gl	Alnus glutinosa	Common Alder	0	0	RB	3x:HS; clear stem min. 200cm; 5 brks	5
B pe	Betula pendula	Common Silver Birch	0	0	RB	3x:HS; clear stem 175-200cm; 5 brks	3
B pub	Betula pubescens	Downy Birch	0	0	RB	3x:HS; clear stem 175-200cm; 5 brks	4
C be	Carpinus betulus	Common Hornbeam	0	0	RB	3x:HS; clear stem 175-200cm; 5 brks	4
P av	Prunus avium	Wild Cherry	0	0	RB	3x:HS; clear stem 175-200cm; 5 brks	3
Q r	Quercus robur	Common Oak	0	0	RB	3x:HS; clear stem 175-200cm; 5 brks	1
S c	Salix caprea	Goat Willow	0	0	RB	3x:HS; clear stem 175-200cm; 5 brks	2

## Street Trees

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Total number
A ca 'E'	Acer campestris 'Elegant'	Field Maple 'Elegant'	12-14	350-425	RB	3x:HS; clear stem min. 200cm; 5 brks	2
A pl 'C'	Acer platanoides 'Cleveland'	Norway Maple 'Cleveland'	20-25	500-550	RB	3x:HS; clear stem min. 200cm; 5 brks	5
C mon 'S'	Crataegus monogyna 'Stricta'	Hawthorn 'Stricta'	12-14	350-425	RB	3x:HS; clear stem 175-200cm; 5 brks	3
M o S P'	Malus 'Street Parade'	Siberian Crab Apple 'Street Parade'	20-25	min. 450	RB	3x:HS; clear stem 175-200cm; 5 brks	4
P P'	Prunus 'Pandora'	Flowering Cherry 'Pandora'	20-25	min. 450	RB	3x:HS; clear stem 175-200cm; 5 brks	4
P U'	Prunus 'Umineko'	Flowering Cherry 'Umineko'	20-25	min. 450	RB	3x:HS; clear stem 175-200cm; 5 brks	3
S auc 'R M'	Sorbus aucuparia 'Rossica Major'	Russian Ash	20-25	500-550	RB	3x:HS; clear stem 175-200cm; 5 brks	1
S auc 'S S'	Sorbus aucuparia 'Sheerwater Seedling'	Rowan 'Sheerwater Seedling'	20-25	500-550	RB	3x:HS; clear stem 175-200cm; 5 brks	2

## Native Shrub Mix Planting

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mix %	Total number
C san	Cornus sanguinea	Common Dogwood	40-60	3L	Branched; 4 brks	10%	210
C av	Corylus avellana	Common Hazel	60-80	3L	Branched; 3 brks	10%	210
C mon	Crataegus monogyna	Common Hawthorn	60-80	3L	Branched; 4 brks	15%	315
I a	Ilex aquifolium	Common Holly	60-80	5L	Branched; 4 brks	15%	315
L vu	Ligustrum vulgare	Common Privet	60-80	3L	Branched; 4 brks	5%	105
R ca	Rhamnus cathartica	Common Buckthorn	60-80	2L	Branched; 4 brks	5%	105
R ca	Rhamnus cathartica	Common Buckthorn	60-80	B	Branched; 4 brks	10%	210
R arv	Rosa arvensis	Field Rose	40-60	3L	Branched; 5 brks	10%	210
R can	Rosa canina	Dog Rose	40-60	3L	Branched; 5 brks	5%	105
V op	Viburnum opulus	Guilder Rose	40-60	3L	Branched; 4 brks	15%	315

## Native Hedgerow Planting (H1, H2) &amp; Ornamental Hedge Planting (H3, H4)

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	per m	Total Number
C be	Carpinus betulus	Common Hornbeam	80-100	B	1+1; Transplant - seed raised	5	242
F s	Fagus sylvatica	Common Beech	80-100	B	1+1; Transplant - seed raised	5	363
P ten	Pittosporum tenuifolium	Kohuhu	60-80	B	1+1; Transplant - seed raised	5	255
P lu	Prunus lusitanica	Portuguese Laurel	80-100	B	1+1; Transplant - seed raised	5	87

## Native Planting Mix for Proposed Basin

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mix %	Total number
C e 'A'	Carex elata 'Aurea'	Bowles' Golden Sedge		2L	Full pot	15%	22
C san	Cornus sanguinea	Common Dogwood	40-60	3L	Branched; 4 brks	25%	36
E can	Eupatorium cannabinum	Hemp Agrimony		3L	Full pot; Sept to April planting; British native origin	15%	22
Or	Osmunda regalis	Royal Fern		3L	Full pot	10%	15
S ni	Sambucus nigra	Common Elder	40-60	2L	Branched; 3 brks	25%	36
V op	Viburnum opulus	Guilder Rose	40-60	3L	Branched; 4 brks	25%	36

## Ornamental Shrub mix OM1 (Sunny)

Abbrev.	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mix %	Total number
A ni	Allium nigrum	Black Garlic	30-60	3L	Full pot	10%	87
C v	Calluna vulgaris	Scots Heather	20-60	2L	Full pot	15%	132
C de	Centauraea dealbata	Perennial Cornflower	50-60	2L	Full pot	10%	87
C ter	Choisya ternata	Mexican Orange Blossom	40-60	5L	Full pot	10%	87
F M P'	Fuchsia 'Mrs Popple'	Fuchsia 'Mrs Popple'	30-40	5L	Full pot	10%	87
H M W'	Hebe 'Mrs Winder'	Shrubby Veronica 'Mrs Winder'	30-40	3L	Full pot	10%	87
H m W'	Hydrangea macrophylla 'White Wave'	Hydrangea 'White Wave'	30-40	3L	Full pot	10%	87
P M dH'	Philadelphus 'Manteau d'Hermine'	Mock Orange 'Manteau d'Hermine'	30-40	3L	Full pot	10%	87
R f s 'G'	Rubus fruticosus 'Goldsturm'	Black-eyed Susan 'Goldsturm'	40-60	2L	Full pot	15%	132

## PLANTING NOTES

## General

1. 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.
2. 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 5.5-6.5. 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.

3. Soil conditioner: Apply a 5mm 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.
4. 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. For tree planting, a 120mm collar is to be left and a mulch of around the stem / trunk to prevent rot.

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

## Hedges

5. 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 1.2-1.5 meters with a chamfered shape.

## Amenity Grass

6. 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

7. 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.

## General Maintenance

8. 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.
9. Remove stakes and ties once trees are self-supporting, and dispose of materials appropriately.
10. Replace any plants that fail to thrive or die within the 5-year establishment period during the next suitable planting season.
12. Remove guards once trees have successfully established within years 3-5 of establishment period.

## Long-Term Management Plan

## Pruning Generally

1. Remove dead, damaged, or diseased tree branches and dispose of arisings off-site. Prune shrubs in the appropriate season to maintain health and vigour, avoiding cutting from March to August to prevent disturbance to breeding birds. Deadhead flowering shrubs and herbaceous plants after flowering.
2. Coppice Cornus (dogwood) on a 6-year rotation, with 50% coppiced every three years in spring to promote bushy growth and vibrant stems.

## Native Woodland Planting

3. Remove any non-native species. Retain standing and fallen deadwood to enhance biodiversity and develop a diverse tree age structure over time.

## Hedgerows

4. Prune hedgerows on a 2- or 3-year rotation, maintaining a height of 2-3 meters. Allow selected hedgerow trees to mature fully.
5. Ensure hedgerows retain a minimum width of 1.5 meters, with a base gap below 0.5 meters and a 1-meter-wide strip of uncut grassland along the outer edges.

## Hedges

6. Prune hedges annually to promote dense growth and maintain the desired height and form.

## Native Shrubs and Scrub Planting

7. Maintain native shrub and scrub areas with a focus on biodiversity. Ensure at least 1 meter of uncut grassland is preserved adjacent to planting zones.

## Amenity Grass

8. Regularly mow amenity grass to a height of no more than 75 mm. Remove all clippings after each cut.