



LEGEND:

- Proposed development
- Existing vegetation
- Amenity grass
- Hedge planting
- Tree planting
- Woodland core
- Woodland edge
- Fence line
- Patio paving
- Front driveway

Common Name	Botanical Name	Size (cm)	Type	Shelter	% Mix	Species Group Numbers	Total
Front planting							
Hedge Layer							
Hawthorn	<i>Crataegus monogyna</i>	60-90	Transplant	600mm Tree guard	20	6-10	113
Blackthorn	<i>Prunus spinosa</i>	60-90	Transplant	600mm Tree guard	20	6-10	113
Hornbeam	<i>Carpinus betulus</i>	60-90	Transplant	600mm Tree guard	15	3-6	84
Hazel	<i>Corylus avellana</i>	60-90	Transplant	600mm Tree guard	15	3-6	84
Beech	<i>Fagus sylvatica</i>	60-90	Transplant	600mm Tree guard	10	3-6	56
Yew	<i>Taxus baccata</i>	60-90	3Ltr+ Container	600mm Mesh guard	8	2-4	45
Privet	<i>Ligustrum ovalifolium</i>	60-90	Transplant	600mm Mesh guard	6	2-4	34
Western Red Cedar	<i>Thuja plicata 'Atrovirens'</i>	60-90	Transplant	600mm Tree guard	6	2-4	34
					100		563
Tree Layer							
Hornbeam	<i>Carpinus betulus</i>	60-90	Transplant	600mm Tree guard	40	6-10	10
Alder	<i>Alnus glutinosa</i>	60-90	Transplant	600mm Mesh guard	40	6-10	10
Silver Birch	<i>Betula pendula</i>	60-90	Transplant	600mm Shrub guard	8	6-10	7
Scots Pine	<i>Pinus sylvestris</i>	60-90	Transplant	600mm Tree guard	12	3-6	8
Norway Maple	<i>Acer platanoides 'Emerald Queen'</i>	60-90	Transplant	600mm Tree guard	N/A	3-6	9

Common Name	Botanical Name	Size (cm)	Type	Shelter	% Mix	Species Group Numbers	Total
Woodland Edge (Front Zone)							
Small Trees (4m - 8m)							
Field Maple	<i>Acer campestre</i>	60-90	Transplant	600mm Tree guard	20	1-3	5
Rowan	<i>Sorbus aucuparia</i>	60-90	Transplant	600mm Tree guard	20	1-3	5
Crab Apple	<i>Malus sylvestris</i>	60-90	Transplant	600mm Tree guard	20	1-3	5
Wild Cherry	<i>Prunus avium</i>	60-90	Transplant	600mm Mesh guard	20	1-3	5
Holly	<i>Ilex aquifolium</i>	60-90	3Ltr+ Cont	600mm Shrub guard	20	1-3	5
Shrub Layer (1m - 4m)							
Dogwood	<i>Cornus sanguinea</i>	60-90	Transplant	600mm Tree guard	20	6-10	56
Goat Willow	<i>Salix caprea</i>	60-90	Transplant	600mm Mesh guard	20	2-3	24
Guelder Rose	<i>Viburnum opulus</i>	60-90	Transplant	600mm Tree guard	20	2-3	24
Blackthorn	<i>Prunus spinosa</i>	60-90	Transplant	600mm Tree guard	20	6-10	56
Wayfaring Tree	<i>Viburnum lantana</i>	60-90	Transplant	600mm Mesh guard	20	3-6	44
Herbaceous and Ground Layer							
Ferns (<i>Dryopteris filix-mas</i>)	<i>Dryopteris filix-mas</i>	20-40	Bare-root	None	20	1-3	22
Wild Garlic (<i>Allium ursinum</i>)	<i>Allium ursinum</i>	10-30	Plug plant	None	20	1-3	22
Primroses (<i>Primula vulgaris</i>)	<i>Primula vulgaris</i>	10-30	Plug plant	None	20	1-3	22
Wood Anemone (<i>Anemone nemorosa</i>)	<i>Anemone nemorosa</i>	10-20	Rhizome	None	20	1-3	22
Bluebells (<i>Hyacinthoides non-scripta</i>)	<i>Hyacinthoides non-scripta</i>	10-30	Bulb	None	20	1-3	22
Woodland Mix (Core Zone)							
Canopy trees (over 15m)							
Oak	<i>Quercus robur</i>	60-90	Transplant	600mm Tree guard	25		2
Beech	<i>Fagus sylvatica</i>	60-90	Transplant	600mm Tree guard	25		2
Scots Pine	<i>Pinus sylvestris</i>	60-90	Transplant	600mm Tree guard	25		2
Sweet Chestnut	<i>Castanea sativa</i>	60-90	Transplant	600mm Tree guard	25		1
Understorey Trees (8m - 15m)							
Hornbeam	<i>Carpinus betulus</i>	60-90	Transplant	600mm Tree guard	25		3
Silver Birch	<i>Betula pendula</i>	60-90	Transplant	600mm Shrub guard	25		3
Alder	<i>Alnus glutinosa</i>	60-90	Transplant	600mm Mesh guard	25		2
Small-leaved Lime	<i>Tilia cordata</i>	60-90	Transplant	600mm Tree guard	25		1
Shrub Layer (2m - 5m)							
Hazel	<i>Corylus avellana</i>	60-90	Transplant	600mm Tree guard	33	6-10	84
Spindle	<i>Euonymus europaeus</i>	60-90	Transplant	600mm Mesh guard	33	3-6	50
Elder	<i>Sambucus nigra</i>	60-90	Transplant	600mm Mesh guard	34	3-6	50
Shrub Layer (1m - 4m)							
Dogwood	<i>Cornus sanguinea</i>	60-90	Transplant	600mm Tree guard	25	6-10	25
Wild Privet	<i>Ligustrum vulgare</i>	60-90	Transplant	600mm Mesh guard	25	2-3	25
Goat Willow	<i>Salix caprea</i>	60-90	Transplant	600mm Tree guard	25	2-3	25
Guelder Rose	<i>Viburnum opulus</i>	60-90	Transplant	600mm Tree guard	25	6-10	25

MAINTENANCE:

Trees:
All trees shall be regularly checked and any broken ties, guards or stakes replaced. Mulch shall be topped up to maintain original levels. In periods of dry weather, all trees shall be regularly watered to field capacity. The area around the base of each tree is to be kept mulched to 50mm depth minimum and weed free to a minimum diameter of 1m. At the end of each growing season all trees shall receive an application of slow release fertiliser. After approximately 5 years, stakes and ties should be removed once trees have established. Any trees that fail to thrive shall be replaced with stock to the original specification.

Native Shrub layers:
All plants shall be maintained weed free and any loose plants re-firmed. All canes and spirals where employed shall be regularly checked and adjusted or replaced as required. All plants shall be regularly watered in times of drought to field capacity and shall receive an application of slow release fertiliser at the end of the maintenance period. Mulch shall be regularly topped up to original levels. All plants shall be allowed to grow up to a minimum of 2.5m high and maintained at 2.5m+. Any plants that fail to thrive shall be replaced with stock to the original specification.

Native Hedgerow layer:
All hedgerows shall be maintained weed free and any loose plants re-firmed. All canes and spirals where employed shall be regularly checked and adjusted or replaced as required. All hedge lines shall be regularly watered in times of drought to field capacity and shall receive an application of slow release fertiliser at the end of the maintenance period. Mulch shall be regularly topped up to original levels. All hedge lines shall be allowed to grow up to a minimum

of 3m high and maintained at 3m+. Any plants that fail to thrive shall be replaced with stock to the original specification.

Regular weed control is essential to minimise competition from invasive species and aggressive grasses. Careful hand weeding or the application of an organic mulch, such as leaf litter or bark chippings, which also aids moisture retention and soil conditioning. During prolonged dry periods, occasional watering may be necessary to support young plants, particularly sensitive species. Where required, selective replanting can be undertaken to enhance species diversity and encourage a naturalistic, layered structure. Natural leaf litter should be left undisturbed during autumn to facilitate soil enrichment and promote self-seeding. A light cutback every three to five years.

PLANTING SPECIFICATION:

Existing Vegetation
All trees and hedges which are shown for retention shall be protected in accordance with guidance in BS 5837 2012 - Trees in Relation to Construction. Any tree surgery required shall also be in accordance with BS 3998 2010.

Soil
All topsoil and landscaping medium will be in accordance with BS 3882 2015. Grass areas minimum 150mm depth and tree and shrub areas min 500mm depth (plus 500mm minimum of rootable subsoil). Soil Ameliorants - to be applied to all newly planted areas. Seanure Soilbuilder or similar approved - incorporate approx 1.5kg per m2 of backfill and 70g/m2 to shrub beds, or as per manufacturers instructions. Granular Slow Release Fertiliser (Scotts Enmg 4-19-10+7.5Mg+3.4%) or similar approved to be applied as per manufacturer's instructions.

Plant Stock
All plant material to be as specified in the Plant Schedules. All plant material to be in accordance with BS 3936 Part 1 (1992), 'Nursery Stock Specification for Trees and Shrubs', BS3936 Part 10: 1990 'Nursery Stock Specification for Ground-cover Plants', BS3969 1998 'Recommendations for Turf for General Purpose' and 'Handling and Establishing Landscape Plants' HTA 1985, revised edition March 2002. Any stock planted outside the recognised planting season to be containerised. Containerised plant stock to have fully developed root system within the specified pot size. Where growing-on in the nursery is necessary all plant material is to be re-potted to the next approved pot size, re-spaced to allow for 15-20% growth per growing season, and maintained to healthy vigorous growth irrespective of weather conditions. Planting - Proposed Tree and Shrub Areas

All planting areas to be weed free prior to planting. Allow for application of approved translocated systemic herbicide in line with 1997 Control of Pesticide Regulations and 2003 COSHH. All beds to be thoroughly forked over or rotovated to a minimum depth of 400 mm, ensuring that the subgrade and topsoil are both free draining. All planting beds to be 90mm below adjacent grass/hard surfaces. Where grass is proposed, soil levels to be 10mm below or flush with adjacent surfaces.

Individual Tree Planting
Trees to be planted into prepared tree pits, backfilled with topsoil/soil ameliorants as above.

Rootballed trees
Tree pit diameter to be 500mm greater than rootball, wide enough to accommodate roots when fully spread. Depth of all tree pits to be 150mm greater than depth of rootball/container and backfilled with 150mm layer of

approved drainage gravel. Base and sides of all pits to be roughened to allow root penetration. Works to be in accordance with BS 4043:1989 Transplanting root-balled trees. Where trees are planted within grassland, they shall have a 1000mm diameter circle around the base of the trunk to be maintained free from grass and spread with 75mm mulch. All trees to watered-in when planted with a minimum 54L, and then on a weekly basis for the duration of the 12 Month Maintenance Period, except when the weather conditions are very wet

Tree Stakes:
Bareroot trees up to 12-14cm, girth to be single staked - stakes well driven into the ground minimum 300mm into bottom of tree pit. Stakes to be pressure treated, round (75cms diameter) peeled, smooth larch or similar. Trees to be secured with plastic/rubber proprietary tree tie, nailed to the stake. All stakes to be pointed at one end, extending above ground by 1/3 of the height of the ground to 1st branch.

Native Shrub and Hedge Planting
All whips to be planted in prepared pits 300x300x300mm. Pits to be backfilled with topsoil/soil ameliorants as above. All plants to be well firmed. Feathered trees to be single staked. All trees to be fitted with proprietary rabbit guards. Shrubs to be planted in pits 150mm wider and deeper than their root spread. Pits to be backfilled with a mixture of topsoil/soil ameliorants as above. Plants to be a minimum of 300mm from any adjacent hard surface or structure. Where not protected by rabbit netting, shrubs to be fitted with proprietary rabbit guards.

Any dimensions shown should be checked on site.
This drawing to be read in conjunction with all relevant engineers and specialist drawings & specifications.
Not for construction purposes.

