



Tree Planting Specification
 Tree planting throughout the scheme has been selected to blend the development in rural environs and create focal points within the development. The tree species selected will maximise food and nectar sources for birds and invertebrates. Trees will be planted as Select and Heavy Standard to provide a reasonable degree of instant maturity to the development. All trees shall be planted between the months of Nov and March. The trees shall be purchased from a reputable nursery as rootball specimens and final order to be agreed by Landscape Architect; The trees shall be planted on delivery. If this is not possible due to weather conditions (wet or frosty), the plants must be held in. All Trees positioned in hard landscaped areas shall be planted using the Strata cell specification with Root barrier please refer to specification sheets.
 Maintenance - Watering is essential during the first 2 growing seasons regardless of the weather conditions - 1000L / Tree / Month.

Trees Public Realm:

Specimen varieties	specification	Size	Height
Alnus glutinosa	Clearstem	12-14cm	4.0m+
Carpinus betulus	Clearstem	12-14cm	4.0m+
Acer campestre	Clearstem	18-20cm	4.0m+
Betula pubescens	Clearstem	10-12cm	4.0m+
Fagus sylvatica	Feathered	10-12cm	4.0m+
Liriodendron tulipifera	Clearstem	12-14cm	4.0m+
Metasequoia glyptostroboides	Feathered	12-14cm	4.0m+
Pinus Sylvestris	Clearstem	16-18cm	3.0m+
Pinus nigra	Clearstem	16-18cm	3.0m+
Prunus avium 'Plena'	Clearstem	16-18cm	4.0m+
Quercus palustris	Clearstem	16-18cm	4.0m+
Quercus robur	Clearstem	16-18cm	4.0m+
Quercus 'Koster Fastigata'	Feathered	10-12cm	3.0m+
Tilia palida	Clearstem	16-18cm	4.0m+

Trees Private Realm:

Specimen varieties	specification	Size	Height
Acer 'Autumn Blaze'	Clearstem	12-14cm	3.5m+
Amerlanierlamarkii	Multistem	2.0m+	2.0m+
Betula pendula	Clearstem	10-12cm	3.5m+
Corylus colurna	Clearstem	12-14cm	3.5m+
Malus 'Everest'	Clearstem	10-12cm	3.0m+
Pyrus Chanticleer	Clearstem	10-12cm	3.0m+
Sorbus acuparia	Clearstem	12-14cm	4.0m+

Methodology and Guidance Notes: The tree pit should have a diameter at least 100mm greater than that of the root system, with the depth not exceeding the rootball. Any glazed or smeared sides caused by digging shall be scarified with the use of a fork. The tree will be positioned in the centre of the planting pit at the correct depth, taking into account the root flare and finished level. Prior to backfilling the hessian twine/cage supporting the rootball shall be loosened or removed. Backfilling shall be carried out in layers of 150mm, ensuring the tree is held upright. At each stage the fill will be carefully firmed in to eliminate air pockets under and around the root system. The final layer of backfill will not be consolidated, but should be of a sufficient depth to allow for settlement and mulching. Formative pruning should be carried out if required, removing dead, damaged, crossing or diseased branches. Refer to Tree planting specification for tree anchoring system. All trees planting operation will be carried in accordance with BS8545:2014 Trees: from nursery to independence in the landscape - Recommendations.

Ornamental Planting List

Bergenia 'Harzkristall'	5/sqm	cg	2L	10%
Callimagrostis 'Karl Foerster'	3/sqm	cg	3L	10%
Carex 'Evergold'	5/sqm	cg	2L	10%
Euonymus 'emerald Gaiety'	5/sqm	cg	3L	10%
Hydrangea 'Limelight'	1/sqm	cg	10L	10%
Nepeta 'Walkers Low'	5/sqm	cg	2L	15%
Pachysandra 'Green Carpet'	5/sqm	cg	2L	10%
Penstemon 'Apple Blossom'	5/sqm	cg	3L	15%
Pittosporum 'Tom Thumb'	3/sqm	cg	5L	10%

Public Realm Planting List

Anemone 'Honoire Jobert'	5/sqm	cg	2L	5%
Cornus 'Elegantissima'	2/sqm	cg	5L	15%
Ilex 'Silver Queen'	1/sqm	cg	10L	10%
Mahonia 'Wintersun'	1/sqm	cg	5L	10%
Miscanthus 'Purpureascens'	3/sqm	cg	2L	10%
Osmunda burkwoodii	1/sqm	cg	10L	10%
Rudbeckia 'Goldstrum'	5/sqm	cg	2L	15%
Viburnum davidii	3/sqm	cg	3L	15%
Liberia grandiflora	4/sqm	cg	2L	10%

Hedgerow Specification
 The hedges shall be planted post construction, between Nov and Feb as bare root stock. The plants shall be purchased from a reputable nursery under the guidance of the Landscape Architect. Planting shall be carried out using the notch planting method in suitable planting conditions (dry & not frosty).

Mixed native hedge Public Realm			
Mixed Indigenous hedgerow	b/r		5 plants/linm

Mixed native hedge Public Realm
 The hedgerow shall be planted with 5 plants per linear meter along a post and wire fence for support.
 Maintenance - The Hedgerow shall be maintained at 1.2m height.
 Quantities - To be Quantified on site post construction.
 Plants required

specification	% mix	Size
Craegus monogyna (Whitehorn)	b/r	60%
Acer campestre (Field Maple)	b/r	20%
Corylus avellana (Hazel)	b/r	10%
Prunus spinosa (Blackthorn)	b/r	10%

Woodland Planting Mix
 Indigenous planting shall be positioned as a backdrop to the open space of the development. Species will include hazel, whitehorn, field rose and wild apple. This will provide flowering species and berries to provide year round interest and improve ecological value of the site. The planting will provide a valuable food source and habitat for birds and invertebrates. Species to be planted in random groups to create a 'natural' effect. Planting shall be carried out first winter post construction. The planting shall be spaced at three plant / meter square. This will require coppicing suitable vegetation on a five year rotation. The plants shall be planted as whip materials. All plants shall be protected from vermin at planting with rabbit guards that shall be removed after a five year period. Quantities: The number of plants required shall be quantified post construction

Woodland mix (60%)

Specimen varieties	specification	% mix	Size
Corylus avellana (Hazel)	b/r (1+1)	10%	60-90cm
Sorbus acuparia (Rowan)	b/r (2+0)	10%	90-120cm
Craegus monogyna (Whitehorn)	b/r (1+1)	10%	60-90cm
Saiku ssp. (Willow)	b/r (1+1)	10%	60-90cm
Sambucus nigra (Elder sp.)	b/r (0+1)	10%	60-90cm
Malus sylvestris (Wild Apple)	b/r (1+1)	10%	90-120cm
Euonymus europaeus (Peg Bush)	b/r (1+1)	10%	60-90cm
Ilex aquifolium (Holly)	container		10% 2ltr
Rosa canina (Dog Rose)	b/r (1+1)	10%	30-40cm
Viburnum opulus (Guelder Rose)	b/r (1+1)	10%	60-90cm

Herb layer planting (40%)

Specimen varieties	specification	% mix	Size
Hyacinthoides (Bluebells)	container	10%	3ltr
Anemone nemorosa (Wood anemone)	container	15%	3ltr
Primula vulgaris (Primrose)	container	10%	3ltr
Viola riviniana (Dog Violet)	container	10%	3ltr
Dryopteris affinis (Male Fern)	container	15%	3ltr
Polystichum setiferum (Shield Fern)	container	10%	3ltr
Digitalis purpurea (Fox Glove)	container	15%	3ltr
Allium ursinum (Ramsoms)	container	15%	3ltr

Grass Seeded Area: Public & Private Realm

Festuca ovina	20%
Poa pratensis	10%
Festuca rubra	30%
Festuca rubra	30%
Festuca rubra subsp. Commutata	30%
Agrostis capillaris	15%
Trifolium repens	5%

Sowing Rate : 30grams/sqm

Proposed bulb planting mixes
 Bulb Mixture Brests
 A bee attracting mixture flowering from February to April, flowering occurs in two phases. In February to March a flood of Yellow and soft lilac species crocuses, followed by March through till April by a colourful mix of specie tulips muscaries and anemones. Mowing Advice From End of May onwards. Height 10- 25 cm, Colour advice 350 bulbs per m2.

Bulb Mixture Veenendaal
 A bee attracting mixture that flowers from February to April, Flowering occurs in two phases. In February to March rich flowering Crocus Ruby Giant, followed in March to April by a blue / red mixed specie tulips and muscaries. Mowing advice; from end of May onwards. Height 10-25cm, Colour advice 350 bulbs per m2.

Bulb Mixture Floriade
 This mixture is very successful with a flowering period from February until the end of June. It flowers in three phases. In February to March a sea of mixed yellow Daffodils. From March to April a mix of later flowering daffodil and red specie tulip. from may through to the end of June purple Allium. Mowing Advice From July onwards. Height 30- 80 cm, Colour advice - 120 bulbs per m2.