

OUTLINE SPECIFICATION

General

All planting work shall be in accordance with approved horticultural standards and all relevant British Standards. Plants shall be supplied in accordance with the HTA Trade Certification Scheme and handled in accordance with the CPSE Handling and Establishment of Landscape Plants Guidelines. Herbicides, pesticides and other chemicals may only be used with approval of the contract administrator. Use of chemicals shall be in accordance with all relevant guidelines and the manufacturer's recommendations. Imported topsoil shall be a minimum specification of BS 3882 2015 Multipurpose topsoil unless otherwise instructed. 1m³/20m² approved compost/organic material/soil ameliorant shall be cultivated into topsoil before planting. Peat shall not be used.

Following planting all shrub beds shall be treated with an approved granular fertiliser at rates as recommended by the manufacturer. All planting beds shall be mulched to a 75mm depth of medium grade bark mulch.

Tree Protection

All existing trees and Hedges to be protected in accordance with BS 5837:2012 Trees in relation to design, demolition and construction. Recommendations. Refer to Arboricultural survey for protection fencing locations and details.

Trees

Extra Heavy Standard; planted into 1500mm diameter x 900mm deep topsoil tree pit. Tree to be supported using underground guying with a deadman ground anchor system. Secure tree using approved strapping around the root ball. Backfill tree pit with excavated topsoil and mulch to a depth of 75mm with medium grade bark mulch.

Select Standard; planted into 1200mm diameter x 900 mm deep topsoil tree pit. Tree to be supported using double stake and cross bar. Position stakes either side of rootball and driven vertically at least 300mm into bottom of pit. Secure tree using approved soft rubber tree tie. Backfill tree pit with excavated topsoil and mulch to a depth of 75mm with medium grade bark mulch.

Woodland Planting

Whip plants notched planted into 300mm deep topsoil, in groups of 3-5 of the same species 1m spacings. Each plant to be protected by a spiral rabbit protector or shrub shelter. Planting area to be mulched with 75mm depth of medium grade bark mulch. Areas of woodland planting to be fenced off with temporary fencing for 5 years.

Native Hedging

Cultivate existing topsoil to a depth of 300mm. Double staggered rows, 400mm between rows, 450mm between plants within row. Each plant to be protected by a spiral rabbit protector or shrub shelter. Planting in groups of 3-5 of the same species

Shrub Planting

Planted into 450mm deep topsoil, in groups of 3-5 of the same species. Each plant to be protected by a spiral rabbit protector or shrub shelter. Planting area to be mulched with 75mm depth of medium grade bark mulch

Marginal Planting

Marginal plants to be planted in low

Grass and wildflower areas

Grass mixtures to be sown at manufacturers recommended rate with pre-seeding fertiliser also to manufacturers recommendation. Seeded into a minimum 150mm depth topsoil reduced to a fine tilth 10mm down particles.

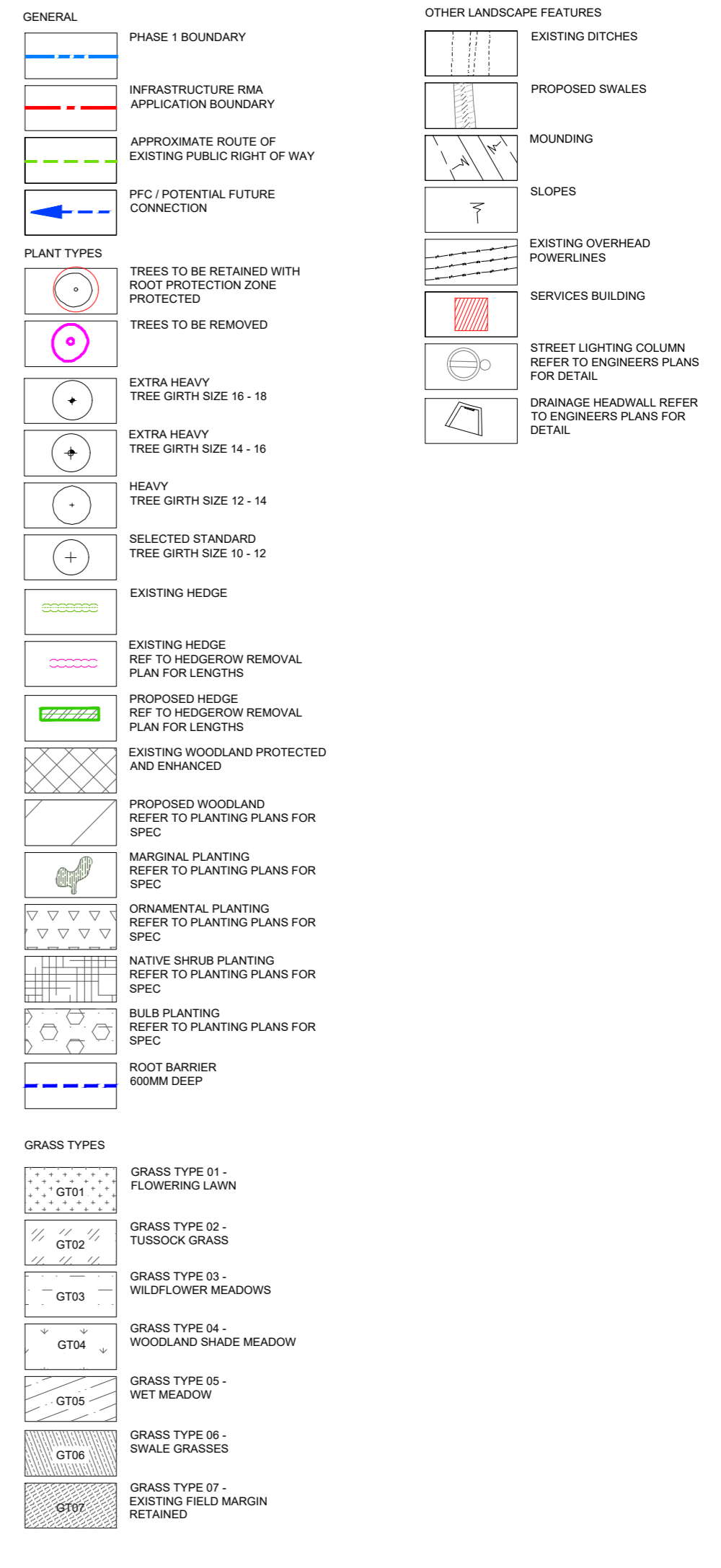
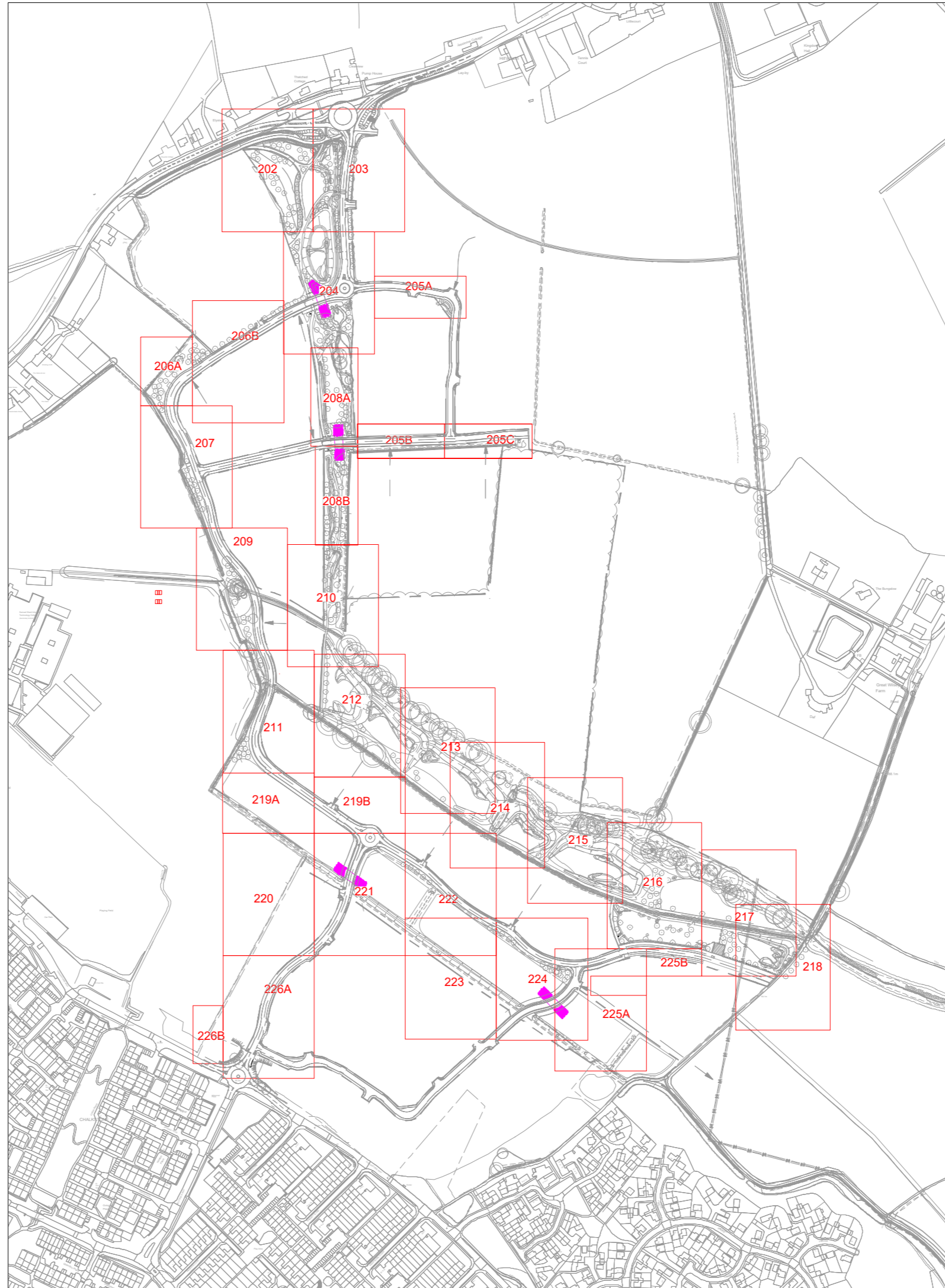
Enriched topsoil and fertiliser not required for areas of wildflowers.

Bulbs

Bulbs to be planted within grass areas at depths and densities recommended by the supplier.

Setting out

All planting to be set out by the project landscape architect



Location Plan not to scale

Number	Species	Common Name	Common Name	Girth	Height	Specification
2	No. Acer campestre	Common Maple	Common Maple	10-12cm	250-300cm	Selected Standard RB
4	No. Acer campestre 'Elsrijk'	Field Maple 'Elsrijk'	Field Maple 'Elsrijk'	16-18cm	400-450cm	Heavy Standard RB
4	No. Betula pendula	Common Silver Birch	Common Silver Birch	10-12cm	250-300cm	Selected Standard RB
6	No. Betula pubescens	Downy Birch	Downy Birch	10-12cm	250-300cm	Selected Standard RB
22	No. Betulus utilis 'Jacquemontii'	Common Beech	Common Beech	10-12cm	250-300cm	Selected Standard RB
8	No. Carpinus betulus	Common Hornbeam	Common Hornbeam	10-12cm	250-300cm	Selected Standard RB
2	No. Carpinus betulus	Common Hornbeam	Common Hornbeam	14-16cm	350-400cm	Extra Heavy Standard RB
9	No. Carpinus betulus 'Fastigiata'	Fastigate Hornbeam	Fastigate Hornbeam	14-16cm	350-400cm	Extra Heavy Standard RB
7	No. Corylus avellana	Common Hazel	Common Hazel	10-12cm	250-300cm	Selected Standard RB
11	No. Fagus sylvatica	Common Beech	Common Beech	10-12cm	250-300cm	Selected Standard RB
1	No. Fagus sylvatica	Common Beech	Common Beech	16-18cm	400-450cm	Extra Heavy Standard RB
3	No. Prunus nigra	Black Poplar	Black Poplar	16-18cm	400-450cm	Extra Heavy Standard RB
13	No. Prunus 'Accolade'	Flowering Cherry 'Accolade'	Flowering Cherry 'Accolade'	16-18cm	400-450cm	Extra Heavy Standard RB
2	No. Prunus domestica 'Cambridge Gage'	Gage 'Cambridge Gage'	Gage 'Cambridge Gage'	10-12cm	250-300cm	Selected Standard RB
11	No. Prunus padus	Bird Cherry	Bird Cherry	10-12cm	250-300cm	Selected Standard RB
1	No. Pyrus calleryana 'Chanticleer'	Charicleer Pear	Charicleer Pear	10-12cm	250-300cm	Selected Standard RB
11	No. Quercus robur	Common Oak	Common Oak	10-12cm	250-300cm	Selected Standard RB
8	No. Sorbus aria	Whitebeam	Whitebeam	16-18cm	400-450cm	Extra Heavy Standard RB
1	No. Sorbus aucuparia	Rowan	Rowan	10-12cm	250-300cm	Selected Standard RB
3	No. Taxodium distichum	Swamp Cypress	Swamp Cypress	10-12cm	250-300cm	Selected Standard RB
1	No. Tilia cordata	Littleleaf Linden	Littleleaf Linden	10-12cm	250-300cm	Selected Standard RB
1	No. Tilia cordata	Littleleaf Linden	Littleleaf Linden	14-16cm	400-450cm	Extra Heavy Standard RB
2	No. Tilia x europaea	Common Lime	Common Lime	10-12cm	250-300cm	Selected Standard RB

Number	Species	Common Name	Common Name	Girth	Height	Specification
6	No. Acer campestre	Common Maple	Common Maple	12-14cm	300-350cm	Heavy Standard RB
2	No. Acer campestre 'Elsrijk'	Field Maple 'Elsrijk'	Field Maple 'Elsrijk'	16-18cm	400-450cm	Heavy Standard RB
10	No. Carpinus betulus	Common Hornbeam	Common Hornbeam	14-16cm	350-400cm	Extra Heavy Standard RB
5	No. Carpinus betulus 'Fastigiata'	Fastigate Hornbeam	Fastigate Hornbeam	14-16cm	350-400cm	Extra Heavy Standard RB
15	No. Carpinus betulus 'Frans Fontaine'	Hornbeam 'Frans Fontaine'	Hornbeam 'Frans Fontaine'	14-16cm	400-450cm	Extra Heavy Standard RB
2	No. Corylus avellana	Common Hazel	Common Hazel	10-12cm	250-300cm	Selected Standard RB
5	No. Fagus sylvatica	Common Beech	Common Beech	16-18cm	400-450cm	Extra Heavy Standard RB
23	No. Prunus 'Accolade'	Flowering Cherry 'Accolade'	Flowering Cherry 'Accolade'	16-18cm	400-450cm	Extra Heavy Standard RB
3	No. Prunus padus	Bird Cherry	Bird Cherry	10-12cm	250-300cm	Selected Standard RB
1	No. Pyrus calleryana 'Chanticleer'	Charicleer Pear	Charicleer Pear	10-12cm	250-300cm	Selected Standard RB
9	No. Sorbus aria	Whitebeam	Whitebeam	16-18cm	400-450cm	Extra Heavy Standard RB
1	No. Tilia cordata	Littleleaf Linden	Littleleaf Linden	10-12cm	250-300cm	Selected Standard RB
1	No. Tilia platyphyllos	Broad-leaved Lime	Broad-leaved Lime	14-16cm	400-450cm	Extra Heavy Standard RB

Number	Species	Common Name	Common Name	Girth	Height	Specification
1	No. Malus domestica 'Annie Elizabeth'	Apple 'Annie Elizabeth'	Apple 'Annie Elizabeth'	300-350cm	2x: SS; clear stem 175-200cm; 4 brks: RB	
3	No. Malus domestica 'Annie Elizabeth'	Apple 'Annie Elizabeth'	Apple 'Annie Elizabeth'	300-350cm	2x: SS; clear stem 175-200cm; 4 brks: RB	
3	No. Malus domestica 'Red Falstaff'	Apple 'Red Falstaff'	Apple 'Red Falstaff'	10-12cm	250-300cm	Selected Standard RB
2	No. Prunus avium 'Amber Heart'	Cherry 'Amber Heart'	Cherry 'Amber Heart'	10-12cm	250-300cm	Selected Standard RB
8	No. Prunus avium 'Knight's Early Black'	Cherry 'Knight's Early Black'	Cherry 'Knight's Early Black'	10-12cm	250-300cm	Selected Standard RB
4	No. Prunus avium 'Penny'	Cherry 'Penny'	Cherry 'Penny'	10-12cm	250-300cm	Selected Standard RB
2	No. Prunus domestica 'Avalon'	Plum 'Avalon'	Plum 'Avalon'	10-12cm	250-300cm	Selected Standard RB
5	No. Prunus domestica 'Cambridge Gage'	Gage 'Cambridge Gage'	Gage 'Cambridge Gage'	10-12cm	250-300cm	Selected Standard RB
2	No. Prunus padus	Bird Cherry	Bird Cherry	10-12cm	250-300cm	Selected Standard RB

Number	Species	Common Name	Common Name	Girth	Height	Specification
6	No. Carpinus betulus	Common Hornbeam	Common Hornbeam	14-16cm	350-400cm	Extra Heavy Standard RB
9	No. Carpinus betulus	Common Hornbeam	Common Hornbeam	10-12cm	250-300cm	Selected Standard RB
4	No. Carpinus betulus 'Fastigiata'	Fastigate Hornbeam	Fastigate Hornbeam	14-16cm	350-400cm	Extra Heavy Standard RB
1	No. Carpinus betulus 'Frans Fontaine'	Hornbeam 'Frans Fontaine'	Hornbeam 'Frans Fontaine'	14-16cm	400-450cm	Extra Heavy Standard RB
1	No. Corylus avellana	Common Hazel	Common Hazel	10-12cm	250-300cm	Selected Standard RB
2	No. Fagus sylvatica	Common Beech	Common Beech	16-18cm	400-450cm	Extra Heavy Standard RB
8	No. Prunus padus	Bird Cherry	Bird Cherry	10-12cm	250-300cm	Selected Standard RB
5	No. Quercus robur	Common Oak	Common Oak	10-12cm	250-300cm	Selected Standard RB
2	No. Salix caprea	Goat Willow	Goat Willow	10-12cm	250-300cm	Selected Standard RB
1	No. Salix fragilis	Crack Willow	Crack Willow	10-12cm	250-300cm	Selected Standard RB
4	No. Sorbus aria	Whitebeam	Whitebeam	16-18cm	400-450cm	Extra Heavy Standard RB
1	No. Sorbus aucuparia	Rowan	Rowan	10-12cm	250-300cm	Selected Standard RB
2	No. Taxodium distichum	Swamp Cypress	Swamp Cypress	10-12cm	250-300cm	Selected Standard RB

Number	Species	Common Name	Common Name	Girth	Height	Specification
14	No. Acer campestre	Common Maple	Common Maple	30-35cm	600-650cm	4x: Semi-mature; clear stem minimum 200cm; RB
4	No. Carpinus betulus	Common Hornbeam	Common Hornbeam	30-35cm	600-650cm	Extra Heavy Standard RB
11	No. Corylus avellana	Common Hazel	Common Hazel	200-250cm	Multi-stem; bushy; 5 stems min	
3	No. Fagus sylvatica	Common Beech	Common Beech	16-18cm	400-450cm	Extra Heavy Standard RB
8	No. Fagus sylvatica	Common Beech	Common Beech	30-35cm	500-700cm	5x Semi Mature; RB Clear stem minimum 200cm
1	No. Ilex aquifolium	Common Holly	Common Holly	14-16cm	175-200cm	Extra Heavy Standard RB

Number	Species	Common Name	Common Name	Pot Size	Density	Specification
56	No. Cmas	Cornus mas	Corneliana Cherry	10L	Counted	Branched; 5 brks: C
48	No. Cav	Corylus avellana	Common Hazel	10L	Counted	Full Pot; C
22	No. Cmo	Crataegus monogyna	Common Hawthorn	5L	Counted	Full Pot; C
34	No. I a	Ilex aquifolium	Common Holly	Counted	1+1; Transplant - seed raised;	Branched; 3 brks: B
7	No. RHACA	Rhamnus cathartica	Common buckthorn	5L	Counted	Full Pot; C
11	No. Rca	Rosa canina	Dog Rose	Counted	1+1; Transplant - seed raised;	Provenance UK Area 304: B

Number	Mix %	Species	Common Name	Pot Size	Density	Specification
89	No. 10%	Berberis darwinii	Darwin's Barberry	5m ²	5m ²	Bushy; 6 breaks: RB
132	No. 15%	Crocosmia 'Emily McKenzie'		3L	5m ²	Full pot
89	No. 10%	Euonymus europaeus	Common Spindle Tree	5m ²	1+2; Transplant - seed raised;	branched; 5 breaks: B
174	No. 20%	Euonymus fortunei 'Emerald 'n' Gold'	Euonymus 'Emerald 'n' Gold'	2L	5m ²	Bushy; 7 breaks
47	No. 5%	Hamamelis intermedia 'Jelena'	Witch Hazel 'Jelena'	5m ²	Branched; 4 breaks: RB	
174	No. 20%	Hypericum x mosenianum 'Tricolor'	St John's Wort 'Tricolor'	2L	5m ²	Bushy; 5 brks: C
174	No. 20%	Pulmonaria 'Blue Ensign'	Lungwort 'Blue Ensign'	2L	5m ²	Full pot; C

Number	Mix %	Species	Common Name	Pot Size	Density	Specification
156	No. 18%	Ajuga reptans	Bugle	3L	5m ²	C
88	No. 10%	Lonicera x purpusil 'Winter Beauty'	Winter Honeysuckle 'Winter Beauty'	2L	5m ²	Branched; 3 breaks
148	No. 17%	Ophiopogon planiscapus 'Nigrescens'	Black Lilyturf	3L	5m ²	Full Pot; C
148	No. 17%	Phlox subulata 'White Delight'	Witch Phlox 'White Delight'	3L	5m ²	Full Pot; C
88	No. 10%	Salix lanata	Woolly Willow	2L	5m ²	Branched; 2 breaks
156	No. 18%	Verbasicum nigrum		3L	5m ²	C
88	No. 10%	Viburnum opulus	European cranberrybush	5m ²	1+1; Transplant - seed raised;	branched; 2 breaks

Number	Mix %	Species	Common Name	Pot Size	Density	Specification
61	No. 5%	Geranium sanguineum 'Album'	a Shrubby Veronica	2L	3m ²	Full Pot
82	No. 20%	Hebe rakaiensis		3L	3m ²	Full Pot
61	No. 15%	Leucanthemella serotina		3L	3m ²	Full Pot
61	No. 15%	Persicaria bistorta 'Superba'	Snakeweed 'Superba'	3L	3m ²	Full Pot
61	No. 15%	Pulmonaria longifolia		3L	3m ²	Full Pot
62	No. 20%	Vinca minor 'Argenteovariegata'	Lesser Periwinkle 'Argenteovariegata'	2L	3m ²	Several shoots; 3 breaks

Number	Mix %	Species	Common Name	Pot Size	Density	Specification
19	No. 20%	Bergenia cordifolia 'Purpurea'	Elephant's Ears 'Purpurea'	2L	3m ²	Full pot
32	No. 10%	Chosya ternata	Mexican Orange Blossom	5L	3m ²	Bushy; 5 breaks
28	No. 8%	Cornus sanguinea 'Midwinter Fire'	Dogwood 'Midwinter Fire'	3L	3m ²	Branched; 3 breaks
37	No. 12%	Lavandula angustifolia 'Hidcote'	Lavender 'Hidcote'	3L	3m ²	Bushy; 7 breaks
61	No. 20%	Miscanthus sinensis 'Flamingo'	Eulalia 'Flamingo'	2L	3m ²	Full pot
32	No. 10%	Rosmarinus officinalis	Rosemary	3L	3m ²	Bushy; 4 breaks
32	No. 10%	Salvia officinalis	Common Sage	2L	3m ²	Full pot
61	No. 20%	Stipa arundinacea	Pheasant's Tail Grass	2L	3m ²	Full pot

Number	Mix %	Species	Common Name	Pot Size	Density	Specification
117	No. 25%	Cornus sanguinea	Common Dogwood	4m ²	1+1; Transplant - seed raised;	branched; 3 breaks: B
7	No. 7%	Geranium 'Orion'	Cranesbill 'Orion'	2L	3m ²	Full pot
94	No. 20%	Euonymus europaeus	Common Spindle Tree	4m ²	1+2; Transplant - seed raised;	branched; 5 breaks: B
71	No. 15%	Ilex aquifolium	Common Holly	2L	4m ²	Leader with laterals: C
71	No. 15%	Viburnum opulus	European cranberrybush	4m ²	Bushy; 4 brks: B	

Number	Mix %	Species	Common Name	Pot Size	Density	Specification
274	No. 20%	Brunnera macrophylla	Siberian Bugloss	2L	4m ²	Full Pot; C
274	No. 20%	Hebebe niger	Christmas Rose	2L	4m ²	Full Pot; C
274	No. 20%	Factyandra terminalis	Japanese Spurge	2L	4m ²	Several Shoots; 7 brks: C
274	No. 20%	Sarcococca confusa	a Sweet Box	5L	4m ²	C
274	No. 20%	Vinca minor 'Alba'	White Lesser Periwinkle	2L	4m ²	Several Shoots; 3 brks: C

Number	Mix %	Species	Common Name	Pot Size	Density	Specification
43	No. 20%	Conwallia majalis	Lily-of-the-Valley	2L	4m ²	Full Pot; C
43	No. 20%	Digitalis purpurea	Common foxglove	3L	4m ²	C
43	No. 20%					