

Planting Schedule									
Trees									
Qty	Latin Name	Common Name	Height	Form	Root Condition	Minimum Clear Stem	Dmth		
12	<i>Acer campestre</i>	Field maple	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
6	<i>Acer campestre</i> 'Varieg'	Field maple 'Varieg'	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
7	<i>Alnus glutinosa</i> 8-10cm	Alder	250-300cm	Standard	RB	Min. 200cm	8-10cm		
7	<i>Alnus glutinosa</i> 12-14cm	Alder	350-400cm	Heavy Standard	RB	Min. 200cm	12-14cm		
27	<i>Amelanchier arborea</i> 'Robin Hill'	Amelanchier	420-600cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
10	<i>Amelanchier lamarckii</i>	Snowy Magpie	300-350cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
10	<i>Betula pendula</i> 8-10cm	Silver Birch	250-300cm	Standard	RB	Min. 200cm	8-10cm		
14	<i>Betula pendula</i> 14-16cm	Silver Birch	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
28	<i>Betula villo jacquemontii</i>	West Himalayan birch	300-425cm	Heavy Standard	RB	Min. 200cm	12-14cm		
17	<i>Betula villo jacquemontii</i> Multistem	West Himalayan birch	250-300cm	Multistem	C	Min. 200cm	8-10cm		
3	<i>Carpinus betulus</i> 'Frans Fontaine'	Hornbeam 'Frans Fontaine'	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
3	<i>Crataegus monogyna</i> 'Stricta'	Hawthorn 'Stricta'	400-450cm	Heavy Standard	RB	Min. 200cm	12-14cm		
1	<i>Fagus sylvatica</i> 8-10cm	Common beech	250-300cm	Standard	RB	Min. 200cm	8-10cm		
3	<i>Fagus sylvatica</i> 14-16cm	Common beech	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
12	<i>Magnolia 'Heaven Scent'</i>	Magnoia 'Heaven Scent'	350-400cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
10	<i>Magnolia x soudehiana</i> 'Yellow Bird'	Yellow Bird Magnolia	350-400cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
6	<i>Magnoia x loebneri</i> 'Leonard Messel'	Leonard Messel Magnolia	350-400cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
6	<i>Malus 'Golden Hornet'</i>	Crab Apple 'Golden Hornet'	400-450cm	Heavy Standard	RB	Min. 200cm	14-16cm		
1	<i>Malus sylvestris</i> 8-10cm	Crab Apple	250-300cm	Standard	RB	Min. 200cm	8-10cm		
1	<i>Malus sylvestris</i> 14-16cm	Crab Apple	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
14	<i>Prunus sylvatica</i>	Stock pine	250-300cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
1	<i>Prunus serrula</i>	Peppercorn Cherry	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
6	<i>Prunus serrulata</i> 'Amanogawa'	Cherry	350-425cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
16	<i>Prunus candelaria</i> 'Chanticleer'	Celtay pear 'Chanticleer'	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
1	<i>Prunus candelaria</i> 'Yellow Bird'	Celtay pear 'Yellow Bird'	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
3	<i>Quercus robur</i> 8-10cm	Common, English oak	250-300cm	Standard	RB	Min. 200cm	8-10cm		
1	<i>Quercus robur</i> 12-14cm	Common, English oak	350-425cm	Heavy Standard	RB	Min. 200cm	12-14cm		
17	<i>Scotus europaea</i> 8-10cm	Mountain ash or Rowan	250-300cm	Standard	RB	Min. 200cm	8-10cm		
7	<i>Tilia cordata</i>	Small-leaved lime	400-450cm	Extra Heavy Standard	RB	Min. 200cm	14-16cm		
Native Mixed Hedgerows (double staggered row at 7linear metre)									
Qty	Latin Name	Common Name	Height	Form	Root Condition				
311	<i>Acer campestre</i>	Field maple	60-80cm	Whip	BR				
410	<i>Cornus sanguinea</i>	Common dogwood	60-80cm	Whip	BR				
109	<i>Cornus avellana</i>	Hazel	60-80cm	Whip	BR				
724	<i>Crataegus monogyna</i>	Common hawthorn	60-80cm	Whip	BR				
104	<i>Eurovymus europaeus</i>	Common hawthorn	60-80cm	Whip	BR				
123	<i>Ilex aquifolium</i>	Holly	30-45cm	Bushy	C				
481	<i>Ligustrum vulgare</i>	Common privet	60-80cm	Whip	BR				
415	<i>Prunus spinosa</i>	Blackthorn	60-80cm	Whip	BR				
104	<i>Rosa canina</i>	Dog rose	60-80cm	Whip	BR				
Single-Species Ornamental Hedgerows (single row at 3linear metre)									
Qty	Latin Name	Common Name	Height	Form	Root Condition	Scheduled Size			
442	<i>Carpinus betulus</i>	Hornbeam	80-100cm	Feathered	BR				
307	<i>Ligustrum ovalifolium</i>	Overleaf Privet	60-80cm	Whip	C	10L			
103	<i>Ligustrum vulgare</i>	Common privet	60-80cm	Whip	C	10L			
653	<i>Lonicera nitida</i> 10L	Honeysuckle	40-60cm (D)		C	10L			
1263	<i>Lonicera nitida</i> 'Maigreen' 5L	Honeysuckle	40-60cm (D)		C	5L			
181	<i>Prunus laurocerasus</i> 'Otto Luyken'	Cherry laurel var.	60-80cm		C	10L			
128	<i>Viburnum tinus</i> 'Eve Poinc'	Laurel-leaved Vib. Poinc'	40-60cm	Bushy	C	10L			
Climbing Plants									
Qty	Latin Name	Common Name	Height	Form	Root Condition	Scheduled Size			
9	<i>Jasminum officinale</i>	Jasmine	400-100cm		C	3L			
9	<i>Clematis armandi</i>	Armand Clematis	60-80cm		C	3L			
Native Shrub (1/metre2)									
Qty	Latin Name	Common Name	Height		Scheduled Size	Rate/Spacing	Root Condition		
1013	<i>Cornus avellana</i>	Hazel, Cobnut	60-80cm		1 Plant/eq m	BR			
1265	<i>Crataegus monogyna</i>	Common hawthorn	60-80cm		1 Plant/eq m	BR			
1013	<i>Eurovymus europaeus</i>	Common hawthorn	60-80cm		1 Plant/eq m	BR			
268	<i>Fraxinus slycia</i>	Alder Buckthorn	60-80cm		1 Plant/eq m	BR			
255	<i>Ilex aquifolium</i>	Holly	30-45cm	2L	1 Plant/eq m	C			
108	<i>Prunus laurocerasus</i>	Cherry laurel var.	60-80cm		1 Plant/eq m	BR			
508	<i>Rosa canina</i>	Dog rose	60-80cm		1 Plant/eq m	BR			
Shrubs and Herbaceous Perennials									
Qty	Latin Name	Common Name	Height		Scheduled Size	Rate/Spacing	Root Condition		
144	<i>Agapanthus 'White Umbrella'</i>	Agapanthus 'White Umbrella'	20-30cm		1 Plant/eq m	C			
260	<i>Alcea repens</i> 'Cathryn Gault'	Bugle 'Cathryn Gault'	20-30cm		2-3L	5 Plant/eq m	C		
168	<i>Begonia cordifolia</i>	Begonia 'Cordifolia'	20-30cm		2-3L	5 Plant/eq m	C		
86	<i>Carex comans</i> 'Frosted Curt'	Sedge 'Frosted Curt'	20-30cm		2-3L	5 Plant/eq m	C		
618	<i>Carex monnari</i> 'Ice Dance'	Ice Dance Japanese Sedge	20-30cm		2-3L	5 Plant/eq m	C		
125	<i>Carex oshimensis</i> 'Evergold'	Common sedge	20-30cm		2-3L	5 Plant/eq m	C		
600	<i>Choisya ternata</i>	Mexican orange blossom	40-60cm		5-7.5L	4 Plant/eq m	C		
170	<i>Choisya ternata</i> 'Sundance'	Mexican orange blossom	40-60cm		7L	3 Plant/eq m	C		
124	<i>Choisya x dewbankii</i> 'Alice Pearl'	Mexican orange blossom 'Alice Pearl'	20-30cm		2L	5 Plant/eq m	C		
100	<i>Cistus x danersensis</i> 'Decumbens'	Rock Rose 'Decumbens'	30-40cm		4 Plant/eq m	C			
164	<i>Cistus x laevis</i> 'Snow White'	Rock rose 'Snow White'	40-60cm		3L	3 Plant/eq m	C		
72	<i>Cornus alba</i> 'Silvera' 60-80cm	Siberian dogwood	60-80cm		5-7.5L	3 Plant/eq m	C		
94	<i>Cornus alba</i> 'Sibirica'	Siberian dogwood	60-80cm		3L	3 Plant/eq m	C		
70	<i>Cornus sanguinea</i>	Common dogwood	60-80cm		3 Plant/eq m	BR			
591	<i>Cornus stolonifera</i> 'Flavissima'	Yellow-stemmed Dogwood	60-80cm		3L	3 Plant/eq m	C		
112	<i>Cytisus x praecox</i> 'Allego'	Broom 'Allego'	40-60cm		2-3L	3 Plant/eq m	C		
91	<i>Escallonia</i> 'Apple Blossom'	Escallonia	40-60cm		3L	3 Plant/eq m	C		
201	<i>Eurovymus japonicus</i> 'President Gauthier'	Spondie Emerald Gauty	30-40cm		7.5L	3 Plant/eq m	C		
186	<i>Eurovymus japonicus</i> 'Bravo'	Spondie 'Bravo'	30-40cm (D)		10L	3 Plant/eq m	C		
218	<i>Eurovymus japonicus</i> 'President Gauthier'	Spondie 'President Gauthier'	30-40cm (D)		5-7.5L	3 Plant/eq m	C		
212	<i>Genetium</i> 'Am Falsch'	Genetium 'Am Falsch'	20-30cm		2-3L	3 Plant/eq m	C		
230	<i>Genetium macrocarpum</i>	Cranesbill	20-30cm		2-3L	3 Plant/eq m	C		
491	<i>Hebe 'Autumn Glory'</i>	Hebe 'Autumn Glory'	20-30cm		5L	2 Plant/eq m	C		
61	<i>Hebe 'Mater'</i>	Hebe 'Mater'	20-30cm		5L	2 Plant/eq m	C		
186	<i>Hebe 'Midsummer Beauty'</i>	Shrubby Veronica 'Midsummer Beauty'	30-40cm		5L	3 Plant/eq m	C		
185	<i>Hebe rakensis</i>	Hebe rakensis	40-60cm		5L	3 Plant/eq m	C		
144	<i>Hebe rakensis</i>	Hebe rakensis	40-60cm		5L	3 Plant/eq m	C		
100	<i>Hydrangea 'Phloxica'</i>	Hydrangea 'Phloxica'	30-40cm		3L	3 Plant/eq m	C		
100	<i>Hydrangea 'Hidcote'</i>	St. Johns Wort 'Hidcote'	30-40cm		5-7.5L	3 Plant/eq m	C		
100	<i>Hydrangea x missouriensis</i> 'Tricolor'	St. Johns Wort 'Tricolor'	30-40cm		5L	3 Plant/eq m	C		
254	<i>Lavandula angustifolia</i> 'Hidcote'	Lavender 'Hidcote'	30-40 cm		5L	3 Plant/eq m	C		
188	<i>Lavandula x intermedia</i> 'Alba'	Lavender 'Alba'	20-30 cm		2-3L	3 Plant/eq m	C		
116	<i>Libertia peruviana</i> 'Gold Leaf'	Wandering Chilean Iris 'Gold Leaf'	30-40cm		2-3L	3 Plant/eq m	C		
30	<i>Ligustrum vulgare</i>	Common privet	60-80cm		2-3L	2 Plant/eq m	BR		
114	<i>Linum catharticum</i>	Big Blue Hyssop 'Tut Lily'	20-30cm		2-3L	3 Plant/eq m	C		
125	<i>Malva sylvestris</i> 'Apolo'	Ornigan grass	20-30cm		3-4L	4 Plant/eq m	C		
672	<i>Miscanthus sinensis</i> 'Gracillimus'	Maiden grass	20-30cm		3-4L	4 Plant/eq m	C		
672	<i>Miscanthus sinensis</i> 'Zebrinus'	Maiden grass	20-30cm		3-4L	4 Plant/eq m	C		
100	<i>Phlox x japonica</i> 'Little Red Robin'	Christmas berry 'Little Red Robin'	40-60cm		5L	3 Plant/eq m	C		
223	<i>Prunus laurocerasus</i> 'Otto Luyken'	Cherry laurel var.	40-60cm		5L	3 Plant/eq m	C		
682	<i>Pulmonaria 'Blue Ensign'</i>	Lungwort	20-30cm		2L	5 Plant/eq m	C		
208	<i>Pulmonaria officinalis</i> 'Strawburst White'	Lungwort	20-30cm		2L	5 Plant/eq m	C		
62	<i>Rosmarinus officinalis</i>	Rosemary	40-60cm		5L	3 Plant/eq m	C		
116	<i>Sarcococca confusa</i>	Christmas box	30-40cm		5L	3 Plant/eq m	C		
245	<i>Sarcococca humilis</i>	Dwarf Sweet Box	20-30cm		5L	3 Plant/eq m	C		
328	<i>Skimmia japonica</i> 'Rubella'	Japanese spruce	30-40cm		5L	3 Plant/eq m	C		
624	<i>Spirea japonica</i> 'Goldflame'	Green feather grass	30-40cm		1-2.5L	3 Plant/eq m	C		
591	<i>Viburnum tinus</i>	Laurel-leaved Vib.	40-60cm		7.5L	3 Plant/eq m	C		
487	<i>Viburnum x davidii</i>	David viburnum	40-60cm		5-7.5L	3 Plant/eq m	C		
Bulbs									
Qty	Latin Name	Common Name	Height		Scheduled Size	Rate/Spacing			
4144	<i>Crocus vernus</i>	Crocus	20-30cm		10 Plant/eq m	C			
4144	<i>Eranthis hyemalis</i>	Winter Anemone	20-30cm		10 Plant/eq m	C			
4144	<i>Gaillardia rigida</i>	Common snowdrop	20-30cm		10 Plant/eq m	C			
2071	<i>Nerineus pseudonarcissus</i>	Daffodil	20-30cm		10 Plant/eq m	C			

1. All drawing dimensions to be checked and verified prior to construction.
2. Drawings are design intent and for Planning purposes only
3. Drawings to be checked and verified by the project Architect, Engineer, M&E Engineer, Lighting consultant.
4. Root barriers to be used where trees are to be planted in proximity to drainage features as required by engineer's recommendation, in line with Local Authority requirements. Specification/depth/location of root barriers are subject to the project engineer's final design.
5. All services and drainage easements are to be checked and verified by the project engineers, Planting to be in accordance with relevant Southern Water and Sewerage Sector Guidance.
6. The landscape contractors shall make themselves aware of all service locations, health and safety and risk assessments prior to commencing planting operations.
7. It is the responsibility of the project engineer to design foundations to accommodate all proposed and existing tree and shrub planting, with reference made to NHC Standards, Parts 4.2, 2014 (Building near Trees.)
8. All planting work to be carried out in accordance with BS4248 1989 'Code of Practice for General Landscape Operations'.
9. All levels to be checked and verified by the project engineers prior to construction.
10. All works in and around existing retained trees are subject to an Arboricultural Method Statement.
11. All steps, structures, paving and fencing are by others unless otherwise noted.
12. For setting out see the project engineer's drawings.

ADDITIONAL TREES OF SUITABLE SPECIES TO BE INCLUDED WITHIN NEIGHBOURING SITE TO COMPLETE BAT HOP-OVER.

2 Malus sylvestris 14-16cm 14-16cm

LANDSCAPE SPECIFICATION

Outline Implementation & Maintenance Guidelines

Topsoil
Identification of topsoil and subsoil resources on site will be required to inform the detailed design of tree and planting beds, including the appropriate depth of soil horizons and the requirement for amelioration of the growing medium, prior to planting. If modifications to the soil are necessary, soil ameliorants will be used sparingly. The backfill medium used should be as close as possible in texture and structure to the soil excavated from the tree pit. Ideally the dug soil from the excavated pit should be used as the backfill medium and as far as practicable, replicate the horizons within the original soil profile. Site won topsoil that has been stored in temporary stock piles will be re-tested prior to use. Where site won topsoil is not available, imported topsoil will be used. Topsoil for tree pits and planting beds shall be imported from an approved site, be in accordance with BS5882:2007 and be classified as premium grade. Topsoil shall, under no circumstances become contaminated by other materials e.g grass seed. Minimum topsoil depths generally: tree 1200mm depth, shrub areas 450mm depth and grass areas 150mm depth.

Existing Tree & Hedgerows
All trees and hedges which are shown for retention should be inspected for safety by a qualified member of the Arboricultural Association and subject to BS 5837 2012 'Trees in Relation to Construction'. They should be protected during all phases of construction with temporary fencing in accordance with BS 5837 2012 and must comply with all applicable planning conditions. Any tree surgery required shall also be in accordance with BS 3998 2010. The landscape contractor shall make the Contract Administrator (CA) aware of any notifiable weeds on site.

Tree Planting
All plant material to be in accordance with BS8945:2014. Any stock planted outside the recognised planting season to be containerised. Containerised plant stock will have a 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.

Root barriers to be installed as necessary in line with manufacturer's and engineer's recommendations.

Trees to be planted into prepared tree pits, backfilled with topsoil/soil ameliorants as specified. During the preparation of the tree pit, the soil is disturbed, but the base of the tree pit should remain undisturbed unless there are specific problems such as poor drainage, soil smearing or pans resulting from pit construction which require rectification. At the time of planting, the tree pit diameter is to be 500mm greater than the root ball, wide enough to accommodate roots when fully spread. The natural pitching between the trunk and the root collar (the root flare) shall be at the finished top surface of the planting medium and should not be buried by excess soil or mulch.

Trees shall have a 1000mm diameter circle around the base of the trunk to be maintained free from grass and spread with 75mm medium grade mulch (5-75mm particle size and of British origin, FSC certified). Mulch is not to be placed against the stem of the tree. All trees are to be watered-in when planted with a minimum 5dL, and then when required within the Maintenance Period to ensure survival.

Bareroot trees up to 12-14cm girth are to be single staked - stakes well driven into the ground minimum 300mm into bottom of tree pit, outside of the root ball. Stakes to be pressure treated, round (75mm diameter) peeled, smooth larch or similar. Trees to be secured with plastic/rubber proprietary tree tie, nailed to the stake. All rootballed trees and bareroot trees 14-16cm girth or larger shall be double staked, 2no 100mm staked trees required. All stakes to be pointed at one end, extending above mulch by 1/3 of the height of the ground to the 1st branch.

Shrub / Hedge Planting / Climber Planting
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', 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 will 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-p