



PLANTING SPECIFICATION

EXISTING TREES AND SHRUBS

Where existing trees & shrubs are to be retained they should be subject to a full arboricultural inspection for safety.

Any surgery required shall be in accordance with BS 3998 (2010) 'Tree Work - Recommendations', shall comply with any existing T.P.O. requirements and shall require the prior approval of the Landscape Architect.

Avoid damage to branches, trunks and roots of trees. All existing trees & hedges to be retained are subject to BS 5837 (2012) 'Trees in relation to design, demolition and construction - Recommendations', and should be fully fenced off prior to the commencement of any works, in accordance with Figure 2 (p20) at the full extent of the root protection area, as determined by section 4.6 (p10-11) and Annex D (p40).

No storage of materials, disposal of rubbish, site fire, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree / hedge canopies.

PLANTING

All plants and planting to comply with the requirements of all current / relevant British Standard specifications including BS 3096: Part 1 (1992), Part 2 (1986) and Part 4 (2007) and BS 4343 (1990) where applicable, BS 4428 (1986). All plants to be supplied in accordance with the plant schedule. Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sizes specified.

TREE PLANTING

A suitable method of foundation allowing for existing ground conditions is to be provided to accommodate the proposed tree planting. All trees are to be planted as shown ensuring a minimum of 5 metres from buildings and 3 metres from drainage and services. Where necessary, root barriers to be installed (supplier: GreenBlue Urban (www.greenblueurban.co.uk)) or equal approved, as recommended by structural engineer. Allow for the use of container grown stock during the period 1 April to 31 October, and field grown stock from 1 November to 31 March.

TOPSOIL REQUIREMENTS

To BS 3882 (2015) 'Specification for topsoil' as qualified by full contract specification. All areas shall be cultivated to a minimum depth of 150mm. Full weed, rubbish and stones over 20mm gauge shall be removed. Earth to be rilled as required and sown in two directions. Applied to all newly planted areas (except wildflower / meadow planting), to manufacturers' recommendations where appropriate.

Shrub / structure planting beds - 450mm depth
Heavy standard tree pits - 1500mm dia x 900mm depth
Grass areas (incl. rear gardens) - 150mm depth

Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened.

Full analysis of existing and imported topsoil required prior to use.

TOPSOIL IMPROVEMENTS

Applied to all newly planted areas, to manufacturers' recommendations where appropriate:

- Incorporate 75mm depth of soil conditioner into topsoil during cultivation.
- Incorporate Ernam CRF granular fertilizer at approx 140g per pit to standard tree pit backfill and 70g per pit to structural / ornamental shrub planting.
- Watering - supply minimum 10 litres of water and 4.5 litres of straw mulch.
- Mulch - lightly fork over planted areas before applying a 75mm depth 60-100mm grade bark mulch. Ornamental Bark to consist of predominantly retained British Pine Bark with an even nominal particle size distribution of 5-35mm with 0% dust & less than 5% wood content. The product shall be pest, disease & weed free & not have been treated with Methyl Bromide or any equivalent. The product shall have been tested in accordance with the requirements of BS 4750:1687 for fire resistance. NB - Watering to be carried out prior to application of bark mulch.

PLANT MATERIAL TREATMENT

NB All to be British grown stock and fully hardened off.

Root Dip - Proprietary Root Dip applied to all bare rooted stock (1) at time of lifting at nursery and (2) prior to planting.

Anti-Desiccant - Proprietary anti-desiccant to be applied to foliage of all containerised / rootballed material in leaf, specimen conifers and evergreens etc. (1) prior to transportation and (2) during any delay in planting.

Pruning - Allow for pruning of all deciduous trees and shrubs to 10% following planting **at Landscape Architects direction** or as indicated in the planting schedule.

Tree Stakes & Ties - Stakes to be pressure treated, round, smooth and peeled Larch or Chestnut, not less than 100mm in diameter. Advanced nursery stock - double staked with cross bar.

TREE STAKES, TIES & GUARDS

Trees planted within grassed areas to be provided with appropriate circular strimmer guards. Stakes to be pressure impregnated softwood, round, peeled, straight, free of projections and painted at one end. Minimum length and thickness to be determined as follows:

Tree type	Min Dia.	Overall Height
Ex / Hwy St	100mm	1.8m
Tree type	No. stakes	No. ties
Ex / Hwy St	2	1

TURFED AREAS

Turf to BS 3669 (1998+A1:2013) 'Recommendations for Turf for general purposes' from an approved source. When topsoil is reasonably dry and workable, grade to smooth, felling contours removing all minor hollows and ridges. Cultivate soil to full depth and break up any compacted topsoil. Apply approved herbicide to control perennial weeds and allow period of time to elapse as recommended by manufacturer before final cultivation. Apply proprietary fertilizer. Reduce top 25mm of topsoil to a free till by further cultivation. Remove stones exceeding 50mm in any dimension. Lay turf with broken joints, well butted to working from drains and previously laid turves, during appropriate season and weather conditions. Adjust levels by raising or filling with fine soil under turves. Consolidate by light and every firming with wooden beaters as laying proceeds. Do not use rollers. Dress turf with fine topsoil and brush in to fill joints. Thoroughly water completed turf within 24 hours of laying.

TURFED AREAS: ESTABLISHMENT CUT

Water all grass areas to maintain healthy turf. When grass is 50mm high remove debris, litter and any stones later in dry conditions cut grass to between 25-30mm. Remove and dispose of all cuttings.

GRASS SEEDING AREAS

Grass seeding generally to BS 4428 (1998) 'Code of practice for general landscape operations'. When topsoil is reasonably dry and workable grade to smooth, felling contours removing all hollows and ridges. Cultivate soil to full depth and break up any compacted topsoil. Apply approved herbicide to control perennial weeds and allow period of time to elapse as recommended by manufacturer before final cultivation. Apply proprietary pre-seeding fertilizer. Reduce top 25mm of topsoil to a free till by further cultivation. Remove stones exceeding 50mm in any dimension. Sow approved grass seed mixture in accordance with suppliers recommendations during appropriate season and weather conditions (e.g. Germin (www.germin.com)) Mix A2 (Quality Lawn) (or equal approved) at 50gsm/m². Lightly harrow or rake then roll and cross-roll with light-weight roller.

GRASS SEEDING AREAS: ESTABLISHMENT CUT

When grass is between 40-75mm high remove stones and debris exceeding 50mm in any dimension and roll with a light-weight roller. About 48 hours later cut grass to approximately 30mm high. Remove and dispose of all cuttings.

PROTECTIVE FENCING

The contractor shall maintain fencing until all site works are complete. The contractor will then remove the fencing and reinstall the ground. The fencing will remain the property of the contractor.

Within the area so fenced, the existing ground level shall be neither raised nor lowered, all excavations shall then be suitably covered off by hand.

The Local Planning Authority shall be advised in writing when the protective fencing has been erected so that it can be checked on site before development commences, and shall thereafter be maintained during the period of construction.

MAINTENANCE

Regular visits (minimum 14 No.) required during the defects liability / rectification period to maintain all planted areas in a weed and litter free condition using a combination of chemical spray and hand weeding to be agreed with the Landscape Architect. Maintenance to include watering, pruning, pest and disease control and re-mulching as required. Grass areas to be mowed at 2 week intervals during the growing season.

Structure planting areas shall be maintained as non competitive weed free environment by repeated applications of a glyphosate based herbicide. Persistent weeds and unwanted shrubs shall be spot treated as necessary with an alternative herbicide to be agreed with the Landscape Architect.

Watering shall be carried out as necessary to maintain healthy growth or as required by the Landscape Architect.

NB: First visit to be immediately prior to handing over and to include a fertilizer treatment of Ernam CRF granular fertilizer at 100g / m² and a 25mm depth bark mulch top to all planted areas.

BUFFER PLANTING: FEATHERED TREES AND WHIPS

Notch planting will not be permitted. All feathered trees and whips will be planted in prepared pits 600mm diameter x 600mm deep for feathered trees and 300mm diameter x 300mm deep for whips.

Each plant shall be placed upright in the centre of the pit with the roots spread evenly outdoors and standard restriction: standardised with topsoil to BS 3882: 2015), incorporating TPMD Tree Planting Compost (Anemity Land Solutions) (or equal approved) well with lawn backfill at a rate of 50:50 in consolidated layers, shaking the trees to remove voids.

Incorporate Ernam CRF granular fertilizer at approx 140g per pit to feathered tree pit backfill and 70g per pit to structural shrub / whip planting backfill.

Supply water at a minimum 4.5 litres / whip and 18 litres / feathered tree prior to bark mulching.

Feathered trees shall be staked using 1.0m long Larch or Chestnut stakes, round, smooth, and peeled with 75mm diameter at the point and not less than 50mm at the butt end, driven at least 600mm into the ground. Trees will be secured to the stake using a single 'Tom Tie' (www.tomties.co.uk) or similar approved securely nailed at a point 200mm from the top of the stake to ensure no rubbing or excessive movement.

The plant shall be well firmed, with the soil level 10mm above nursery level to allow for settlement. Clear away surplus soil and after watering apply a minimum 75mm deep x 300mm diameter collar of 50-75mm grade coarse bark mulch. All tree species to be fitted with proprietary rabbit guards such as Tubex Venter (www.tubex.com) (or equal approved).

SAFETY PRECAUTIONS

The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The landscape sub-contractor shall comply with the requirements of the Health & Safety at Work Act 1974 and current Construction, Design and Management Regulations (2015).

All subject to Local Authority approval.

PLANTING SCHEDULE

Tree Planting									
Qty	Abb. Text	Species	Form	Age	Girth	Height	Clear Stem	Root	Centres
1	Ac on B	Acer campestre 'Streetwise'	Standard (Extra heavy)	3x	14-16cm	400-450cm	min 200cm	RB	0.250
3	Be ut	Betula utilis jacquemontii	Standard (Extra heavy)	3x	16-18cm	400-450cm	Min 200cm	RB	0.250
2	Cip Bl FF	Carpinus betulus 'Frans Fontaine'	Standard (Extra heavy)	3x	16-18cm	450-625cm	Min 200cm	RB	0.250
1	Liquidambar	Liquidambar styraciflua 'Worplesdon'	Extra-heavy Standard	3x	16-20cm	450-500cm	Min 200cm	RB	0.250
2	Pyr s C	Prunus cerasifera 'Chantrelle'	Standard (Extra heavy)	3x	16-18cm	min 450cm	Min 200cm	RB	0.250
2	Qc ro	Quercus robur	Standard (Extra heavy)	3x	16-20cm	450-500cm	Min 200cm	RB	0.250
5	Ti cr	Tilia cordata	Standard (Semi-mature)	3x	16-20cm	min 450cm	Min 200cm	RB	0.250
16									

Native Hedgerow									
Qty	Abb. Text	Species	Root	Height	Habit	Centres (m)	Mix %		
34	Ac cam	Acer campestre	B	60-80cm	Branched	0.500	10.00 %		
17	Be pend	Betula pendula	B	60-80cm	Leader/Lateral	0.500	5.00 %		
171	Cip mm	Crataegus monogyna	B	60-80cm		0.500	50.00 %		
34	Fag syl	Fagus sylvatica	B	60-80cm	Branched	0.500	10.00 %		
51	Ra can	Rosa canina	B	60-80cm	Branched	0.500	15.00 %		
34	Sam nig	Sambucus nigra	B	60-80cm	Several shoots	0.500	10.00 %		
341									

Native Hedgerow 2									
Qty	Abb. Text	Species	Root	Height	Habit	Centres (m)	Mix %		
7	Ac cam	Acer campestre	B	60-80cm	Branched	0.500	5.00 %		
18	Cip mm	Crataegus monogyna	B	60-80cm		0.500	60.00 %		
13	Phu sp	Prunus spinosa	B	60-80cm	Leader/Lateral	0.500	10.00 %		
20	Ra can	Rosa canina	B	60-80cm	Branched	0.500	15.00 %		
13	Sam nig	Sambucus nigra	B	60-80cm	Several shoots	0.500	10.00 %		
129									

Hedgerow 2									
Qty	Abb. Text	Species	Container	Root	Height	Habit	Centres		
445	Escd AB	Escallonia 'Apple Blossom'	3L	C	40-60cm	Bushy	0.250		
445									

Hedgerow 3									
Qty	Abb. Text	Species	Container	Root	Height	Habit	Centres		
505	Elgn x eb GE	Elaeagnus x edmondei 'Gilt Edge'	5-7.5L	C	60-80cm	Branched	0.250		
505									

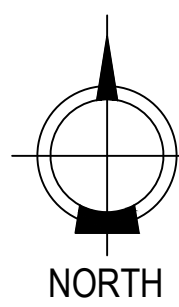
Specimen Shrub Planting									
Qty	Abb. Text	Species	Container	Root	Height	Habit	Centres		
1	Or x hs	Oleaster x hastati	10L	C	40-60cm	Bushy			
1	Wig B BR	Wegelia florida 'Bristol Ruby'	5-7.5L	C	60-80cm	Branched			
2									

Shrub Planting									
Qty	Abb. Text	Species	Container	Root	Height	Habit	Centres (m)		
90	Ac Bp R	Aucuba japonica 'Rosarum'	3L	C	40-60	Bushy	0.500		
23	Br do	Barberry darwinii	2L	C	20-30cm	Bushy	0.450		
93	Cea BM	Ceanothus 'Blue Mound'	3L	C	30-40cm (D)	Bushy	0.500		
43	Cnat lc	Cotoneaster lacteus	2L	C	30-40cm	Branched	0.500		
14	Dra can	Darwinia canadensis	3L	C	30-40cm	Bushy	0.500		
17	Ery E EG	Erythronium fortunei 'Emerald Galaxy'	3L	C	20-30cm (D)	Bushy	0.450		
8	Hb AG	Hebe 'Autumn Glory'	3L	C	20-30cm	Bushy	0.450		
31	Hb rak	Hebe rakaisensis	3L	C	20-30cm	Bushy	0.450		
44	Lnc nt M	Lonicera nitida 'Magenta'	2L	C	30-40cm (D)	Bushy	0.450		
13	Lun an R	Lavandula angustifolia 'Rosea'	3L	C	20-30cm	Bushy	0.450		
5	Mhi an A	Mathenia aquifolium 'Apollo'	3L	C	30-40cm	Leader/Lateral	0.600		
16	Phu OL	Prunus laurocerasus 'Otto Luyken'	3L	C	30-40cm	Bushy	0.600		
18	Sk Bp R	Skinia japonica 'Rubella'	2L	C	20-30cm	Bushy	0.500		
20	Spr Bp F	Spiraea japonica 'Firelight'	2L	C	30-40cm	Bushy	0.450		
75	Vb dr	Viburnum davidii	3L	C	20-30cm	Bushy	0.500		
43	Vb in EP	Viburnum tinus 'Eve Price'	2L	C	20-30cm	Bushy	0.450		
556									

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Notes

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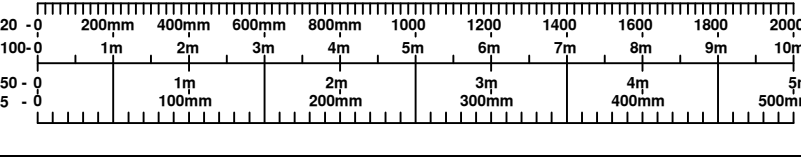


Key

- Existing hedgerow to be retained and protected in accordance with BS 5837:2012
- Proposed specimen tree planting
- Proposed specimen shrub planting
- Proposed hedge planting
- Proposed shrub planting
- Proposed grass
- Proposed gravel
- Proposed tree root barrier/director

B	Updated to suit latest layout.	17.05.18	JS	DMB
A	Updated to latest layout and planners comments.	27.03.18	JS	DMB

Rev	Description	Date	Initial	Checked
1				



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Client Walton Homes

Project Linton Heath Swadincote

Title Detailed Landscape Proposals Sheet 1 of 1

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