

SOFTWORKS SPECIFICATION

GENERAL

All planting and landscape operations to comply with "Recommendations for General Landscape Operations" BS4248 (1989). Plant material is to comply with the National Plant Specification.

PREPARATION WITHIN THE CROWN SPREAD OF EXISTING TREES

Remove weeds and existing vegetation by hand digging. Retain existing topsoil and cultivate by hand with no greater change of level than 100mm. Proposed planting to be spaced to avoid damage to tree roots. Planting pits to be backfilled with fresh topsoil 75% and compost 25 % mix.

GENERAL PREPARATION

Break out any existing hard surfaces to the full depth of construction and excavate to allow full depth of topsoil and compost indicated below. Finished levels of topsoil with mulch dressing to be 50mm above adjacent pavings and 150mm below D.P.C.

PREPARATION FOR REPLACEMENT PLANTING

Where existing planting is to be removed and replaced with new planting. Grub out existing roots to full depth and extent. Particularly where conifers have been removed, replace existing topsoil with fresh site or imported topsoil which meets the specification below.

TOPSOIL

Imported topsoil to be Multipurpose quality topsoil as stated in BS3882:2007. If site topsoil is to be reused it must be equivalent to the Multipurpose quality in the BS. Devoid of stones and debris over 50mm dia and free from weeds, vegetation and other deleterious material. Do not use topsoil contaminated with oil or other materials poisonous to plants. Topsoil depths: Shrub beds 450mm. Grass areas 150mm.

FERTILISER

All shrub beds to be top dressed with a slow release fertiliser such as Ficote 140 or similar. Applied to manufacturer's recommended rate.

COMPOST

Compost shall be well rotted manure, spent mushroom compost or matured peat free compost made from botanical residues. Graded particles of no larger than 12mm with substantial amount of organic fines and pH around 6.5. The product is to be free of physical contaminants, viable weed seeds and pathogens and shall be untreated by additives. Shrub beds shall have a 50mm depth cultivated into the soil.

PLANTING SHRUBS

Shrub pits to be 150 mm wider than the container size or large enough to allow the full spread of bare root shrubs. Back fill with excavated material.

RABBIT PROTECTION - NATIVE MIXES

Shrubs and hedge - Supply 600mm high plastic shrub guards such as Acom "Shelterguard Plus" for Shrubs 150-180mm diameter, and fix with single internal stake.

PLANTING ORNAMENTAL HEDGES

Plant hedge in a single row at 3 plants per linear metre. Planting pits to be 150 mm wider than the container size or large enough to allow the full spread of bare root shrubs. Back fill with excavated material.

PLANTING NATIVE HEDGES

Plant in double staggered rows 300mm apart, spacing 5/6 plants per linear metre. Planting trench to be 500 mm wide and 300mm deep. Back fill with excavated material and dress with slow release fertiliser. Cut back the height of the newly planted hedge immediately by 20% to encourage bushy growth from the base.

PLANTING TREES WITH FULL HEIGHT DOUBLE STAKES

Supports: Double full length minimum 75mm dia/sq. Position stakes close to the rootball and drive stakes at least 300mm into the bottom of the pit before planting. Cut off stake just below the lowest branch. Fit with crossbar and rubber webbing with cushion.

Planting - Excavate pit 150mm deeper and 500mm wider than the rootball. Break up base of pit. Backfill with 70% excavated material, 30% tree planting compost by volume. Dress with slow release fertiliser to manufacturer's recommendations.

PLANTING TREES WITH ANCHORS - SEMI-MATURE TREES

Anchors - Platipus Anchor kit R2 with either Plat-mat or timber frame. Web: www.platipus-anchors.com

Planting - Excavate pit 150mm deeper and 500mm wider than the rootball. Break up base of pit. Backfill with 70% excavated material, 30% tree planting compost by volume. Dress with slow release fertiliser to manufacturer's recommendations.

TREE ROOT MANAGEMENT

Trees planted adjacent to public footpaths/highways or on site shallow services and utilities should have a linear root barrier fitted such as Green Blue Urban "Reroot" 600 or 1000 depending on the depth of the adjacent services. Install to manufacturer's recommendations. greenblueurban.com

WATERING

Immediately after planting, water all trees and shrubs thoroughly. Allow for watering to promote healthy growth throughout the maintenance period.

MULCH

Spread 75mm depth of good quality bark mulch 8-65mm in any dimension. Free from pests, disease, fungus, weeds, sticks, leaves and rubbish and rested for 90 days.

REPLACEMENTS

The landscape contractor carries a defects liability for 12 months following completion of the planting. He shall be required to replace any plants in the first growing season following planting, which are dead or dying.

TURF

Areas proposed for new grass to be treated with suitable herbicide and cultivated, levelled and stones etc removed. Turf to be laid in spring or autumn and a suitable irrigation system made available throughout the establishment period. Seed mix to be howlawn "Medallion" or similar general purpose, cultivated turf big roll. The Contractor is to maintain the grass until the end of the defects liability period.

GRASS SEEDED AREAS

Areas proposed for new grass to be treated with suitable herbicide and cultivated, levelled and stones etc removed. Ground to be cultivated to a fine tilth and treated with an application of pre-seeding fertiliser N:P:K 6:9:6.

Areas to be seeded in spring or autumn and a suitable irrigation system made available throughout the establishment period. Seed mix to be British Seedhouses RE2 Lowland Meadow, suitable for moist soils, to encourage insects and birds. Sown @ 3-5gm/m². The contractor is to maintain the grass until the end of the Defects Liability Period.

SPECIES RICH GRASSLAND

Areas proposed for new grass to be treated with suitable herbicide and cultivated, levelled and stones etc removed. Ground to be cultivated to a reasonably fine tilth. Areas to be seeded in spring or autumn and a suitable irrigation system made available throughout the establishment period. Seed mix to be British Seedhouses RE2 Lowland Meadow, suitable for moist soils, to encourage insects and birds. Sown @ 3-5gm/m². The contractor is to maintain the grass until the end of the Defects Liability Period.

IMPLEMENTATION TIMETABLE

Soft landscape works to be implemented in the first suitable growing season following completion of the construction works.

- BARE ROOT AND ROOT BALLED PLANTS** - November to March
- CONTAINER GROWN PLANTS** - as above, or at any time if ground and weather conditions are favourable, and a water supply is available for watering in prolonged periods of warm, dry weather.
- GRASS SEEDING** - April to October, if ground and weather conditions are favourable, or a water supply is available for watering, if required.
- TURFING** - at any time, but preferably Autumn. A water supply must be available in Spring and Summer.

12 MONTHS MAINTENANCE FOLLOWING PRACTICAL COMPLETION OF THE LANDSCAPE WORKS.

The Contractor shall decide the frequency of visits to promote healthy growth and development.

REPLACEMENTS

The landscape contractor carries a defects liability for 12 months following completion of the planting. Replace any dead or dying plants in the first growing season following planting.

WEEDING - ORNAMENTAL BEDS

Maintain the planting beds weed free by hand or suitable herbicide treatment.

WEEDING - NATIVE MIX PLANTING

Maintain minimum 600mm diameter weed free area around each plant using a suitable non-residual herbicide treatment.

WATERING

Allow for watering as required to promote healthy plant growth. Access to water supplied by the Employer.

TREE STAKES AND TIES

Check stakes and ties for chafing and stability at each maintenance visit.

TREE ANCHORS

Check anchors for stability at each maintenance visit.

MULCH

Top up mulch to original specified depth at the end of the maintenance period.

ORNAMENTAL HEDGE

Objective - dense hedge to 1200mm high. Trim twice yearly once the hedge had reached 1000mm high.

NATIVE HEDGE

Objective - dense hedge to 1800mm high. Trim twice yearly once the hedge had reached 1000mm high.

PRUNING

Prune as necessary to control lateral growth, remove dead or diseased plant material, and to promote natural shape. Do not use a hedge trimmer to prune shrubs.

DISEASE

Monitor all planting for disease and treat as necessary.

MOWN GRASS

Apply slow release fertiliser in spring and autumn.

Water to promote healthy growth.

Grass areas which fall are to be cultivated and reseeded/returfed. Maximum height of grass at any time - 75mm

Cut as and when necessary to a height of 25mm. Remove arisings. Make good areas of settlement.

SPECIES RICH GRASS

Autumn Sown (First Year) Remove clippings
March/April Cut to 40-70mm if there is sufficient material

May Cut to 40-70mm in early May
September Cut to 40-70mm after flowering.

Maintenance thereafter Remove clippings
March/April Cut to 40-70mm to remove excess grass

September/October Cut to 40-70mm after flowering.

Spring Sown (First Year)

Remove clippings
6wks after sowing Cut to 40-70mm if there is sufficient material

May Cut to 40-70mm in early May if sufficient material
September Cut to 40-70mm after flowering.

Maintenance thereafter Remove clippings
March/April Cut to 40-70mm to remove excess grass

September/October Cut to 40-70mm after flowering.

NEW PLANTING SCHEDULE

TREES

Number	Abbreviation	Species	Girth	Height	Specification	Density
26 No.	ACECAM	Acer campestre	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem min. 200cm	Counted
5 No.	ACECAME	Acer campestre 'Ersiuk'	10-12cm	200-350cm	Selected Standard: Clear Stem 175-200 :2x:RB	Counted
13 No.	AMEGRRH	Amelanchier x grandiflora 'Robin Hill'	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
13 No.	BETUP	Betula pendula	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
7 No.	CALAPS	Crataegus laevigata 'Paul's Scarlet'	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
9 No.	CRAMON	Crataegus monogyna	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem min. 200cm	Counted
12 No.	CRAMON	Crataegus monogyna	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
10 No.	CRAPR	Crataegus x prunifolia	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
3 No.	PRUAV	Prunus avium	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem min. 200cm	Counted
2 No.	PRUKA	Prunus 'Kanzan'	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
4 No.	PRUSB	Prunus 'Sunset Boulevard'	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
1 No.	PRUSB	Prunus 'Sunset Boulevard'	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
13 No.	PYRCACH	Pyrus calleryana 'Chanticleer'	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
18 No.	QUE ROB	Quercus robur	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
7 No.	QUE ROB	Quercus robur	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
8 No.	SORARLU	Sorbus aria 'lutescens'	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
10 No.	SORAUCR	Sorbus aucuparia 'Cardinal Royal'	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
5 No.	SORGW	Sorbus 'Golden Wonder'	10-12cm	200-350cm	Selected Standard: 4 brks: 2x: B: Clear Stem 175-200cm	Counted

Total :359 No.

SHRUBS

Number	Abbreviation	Species	Height	Diameter	Specification	Density	Pot Size
170 No.	ABEGG	Abelia 'Edward Goucher'	30-40cm		Bushy: 3 brks: C	3/m ²	3L
22 No.	ACECAM	Acer campestre	60-80cm		1+1: Transplant - seed raised: B	1/m ²	
19 No.	AUCJACR	Aucuba japonica 'Crotonifolia'	30-40cm		Bushy: 3 brks: C	3/m ²	3L
31 No.	AUCJACR	Aucuba japonica 'Crotonifolia'	30-40cm		Bushy: 3 brks: C	2/m ²	3L
30 No.	BERFRA	Berberis x tripartita 'Amstelveen'	25-30cm		Bushy: 4 brks: C	4/m ²	3L
160 No.	CEATHR	Ceanothus thyrsiflorus repens	30-40cm		Bushy: 5 brks: C	3/m ²	3L
88 No.	CHOTE	Choisy ternata	30-40cm		Bushy: 4 brks: C	3/m ²	3L
20 No.	CHOTE	Choisy ternata	30-40cm		Bushy: 4 brks: C	3/m ²	3L
20 No.	CORALE	Cornus alba 'Elegantissima'	40-60cm		Branched: 4 brks: C	3/m ²	3L
88 No.	CORAV	Cornus avellana	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	81/m ²	
141 No.	CORAV	Cornus avellana	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	80.4Ctr Double Staggered at 0.3m offset	
46 No.	CORSA	Cornus sanguinea	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	81/m ²	
37 No.	CORSA	Cornus sanguinea	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	80.4Ctr Double Staggered at 0.3m offset	
853 No.	COTFRA	Cotoneaster franchetii	60-80cm		Upright bushy for hedging :3/6 brks :C	3/m ²	3L
60 No.	COTCOND	Cotoneaster conspicuus 'Decorus'	30-40cm		Branched: 3 brks: C	3/m ²	3L
152 No.	COTMI	Cotoneaster microphyllus	30-40cm		Bushy: 3 brks: C	3/m ²	3L
344 No.	CRAMON	Crataegus monogyna	60-80cm		1+1: Transplant - seed raised: B	3/m ²	
551 No.	CRAMON	Crataegus monogyna	60-80cm		1+1: Transplant - seed raised: B	0.4Ctr Double Staggered at 0.3m offset	
219 No.	CRAMON	Crataegus monogyna	60-80cm		1+1: Transplant - seed raised: B	2/m ²	
7 No.	EU	Euonymus europaeus	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	81/m ²	
429 No.	FLAEB	Flaegagnus ebbingei	60-80cm		Upright bushy for hedging :3/6 brks :C	3/m ²	3L
154 No.	FLAPUMA	Flaegagnus pungens 'Maculata'	30-40cm		Branched: 3 brks: C	3/m ²	3L
830 No.	ESC SPI	Escallonia rubra 'Crimson Spire'	60-80cm		Upright bushy for hedging :3/6 brks :C	3/m ²	3L
42 No.	EUOEUE	Euonymus europaeus	60-80cm		1+2: Transplant - seed raised: Branched: 5 brks: B	81/m ²	
72 No.	EUOEUE	Euonymus europaeus	60-80cm		1+2: Transplant - seed raised: Branched: 5 brks: B	80.4Ctr Double Staggered at 0.3m offset	
50 No.	EUOFSQ	Euonymus fortunei 'Silver Queen'	20-30cm	20-30cm	Bushy: 5 brks: C	4/m ²	3L
486 No.	GRI LIT	Griselinia littoralis	60-80cm		Upright bushy for hedging :3/6 brks :C	3/m ²	3L
160 No.	HEBALRE	Hebe 'Red Edge'	20-30cm		Bushy: 5 brks: C	4/m ²	3L
128 No.	HEBFARG	Hebe x franciscana 'Blue Gem'	20-30cm		Bushy: 5 brks: C	3/m ²	3L
73 No.	HEBMB	Hebe 'Midsummer Beauty'	30-40cm		Bushy: 5 brks: C	3/m ²	3L
20 No.	HEBMB	Hebe 'Midsummer Beauty'	20-30cm		Bushy: 3 brks: C	3/m ²	2L
58 No.	HEBMW	Hebe 'Mrs Winder'	30-40cm		Bushy: 5 brks: C	3/m ²	3L
100 No.	HYPHI	Hypericum 'Hidcote'	30-40cm		Bushy: 5 brks: C	3/m ²	3L
178 No.	HYPMO	Hypericum x moserianum	20-30cm		Bushy: 5 brks: C	4/m ²	2L
77 No.	ILEAQ	Ilex aquifolium	40-60cm		Leader with Laterals: C	1/m ²	
141 No.	ILEAQ	Ilex aquifolium	40-60cm		Leader with Laterals: C	0.4Ctr Double Staggered at 0.3m offset	2L
87 No.	LAVANH	Lavandula angustifolia 'Hidcote'	15-20cm		Bushy: 5 brks: C	6/m ²	2L
10 No.	LON GOL	Lonicea nitida 'Baggesen's Gold'	30-40cm		Bushy: 3 brks: C	3/m ²	3L
80 No.	PHOFRRR	Photinia x fraseri 'Red Robin'	30-40cm		Branched: 6 brks: C	2.5/m ²	3L
33 No.	PHOFRRR	Photinia x fraseri 'Red Robin'	30-40cm		Branched: 6 brks: C	3/m ²	3L
206 No.	PIOL	Prunus laurocerasus 'Otto Luyken'	30-40cm		Bushy: 3/4 brks :C	3/m ²	3L
57 No.	PRULACB	Prunus laurocerasus 'Cherry Brandy'	30-40cm		Bushy: 3 brks: C	3/m ²	3L
126 No.	PRUSP	Prunus spinosa	60-80cm		1+1: Transplant - seed raised: Branched: 2 brks: B	81/m ²	
208 No.	PRUSP	Prunus spinosa	60-80cm		1+1: Transplant - seed raised: Branched: 2 brks: B	80.4Ctr Double Staggered at 0.3m offset	
24 No.	PYBOREC	Pyracantha coccinea 'Red Cushion'	30-40cm		Bushy: 5 brks: C	3/m ²	3L
22 No.	PYROS	Pyracantha 'Orange Glow'	60-80cm		Leader & Laterals: 3 brks: C	2.5/m ²	3L
42 No.	ROSCA	Rosa canina	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	81/m ²	
72 No.	ROSCA	Rosa canina	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	80.4Ctr Double Staggered at 0.3m offset	
6 No.	ROSCA	Rosa canina	40-50cm		1+0: Seedlings: Branched: B	1/m ²	
97 No.	ROSCA	Rosa canina	40-50cm		1+1: Transplant - seed raised: Branched: 3 brks: B	82/m ²	
431 No.	ROSRFDH	Rosa 'Fru Dagmar Hastrup'	30-40cm		Roses - Cutting: Bush: 3 brks: C	3/m ²	2L
144 No.	ROSRUGAL	Rosa rugosa 'Alba'	30-40cm		Branched: 3 brks: C	2.5/m ²	2L
36 No.	SALCAP	Salix caprea	60-80cm		0/1: Cutting: Branched: 2 brks: B	1/m ²	
72 No.	SALCAP	Salix caprea	60-80cm		0/1: Cutting: Branched: 2 brks: B	0.4Ctr Double Staggered at 0.3m offset	
11 No.	SAM NIG	Sambucus nigra	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	81/m ²	
24 No.	SKI RUB	Skimmia japonica 'Rubella'	30-40cm		Bushy: 3/5 brks :C	4/m ²	3L
30 No.	SKI OEG	Skimmia x confusa 'Kew Green'	30-40cm		Bushy: 3 brks: C	3/m ²	3L
89 No.	SPJAGC	Spiraea japonica 'Goldflame'	30-40cm		Bushy: 6 brks: C	4/m ²	3L
34 No.	STEINCR	Stephanandra indica 'Crispa'	30-40cm	20-30cm	Branched: 3 brks: C	4/m ²	2L
144 No.	SYNCHHA	Symplocarpos x sheenaultii 'Hancock'	40-60cm		Branched: 3 brks: C	3/m ²	2L
307 No.	VIB PRI	Viburnum tinus 'Eve Price'	60-80cm		Upright bushy for hedging :3/6 brks :C	3/m ²	3L
49 No.	VIB OP	Viburnum opulus	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	81/m ²	
72 No.	VIB OP	Viburnum opulus	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	80.4Ctr Double Staggered at 0.3m offset	
30 No.	WEIFLVA	Weigela florida 'Folius Purpurei'	40-60cm		Bushy: 4 brks: C	4/m ²	3L
56 No.	WEIFLVA	Weigela florida 'Variegata'	40-60cm		Branched: 5 brks: C	3/m ²	3L