SUPERSEDED

SOFTWORKS SPECIFICATION

GENERAL
All planting and landscape operations to comply with "Recommendations for General Landscape Operations" BS4428 (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 Acorn "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.

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 Greenleaf "Root" 600 or 1000 depending on the depth of the adjacent services. Install to manufacturer's recommendations. Tel 01424 717797.

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, leveled and stones etc removed. Turf to be laid in spring or autumn and a suitable irrigation system made available throughout the establishment period. Turf to be Rowlawn "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 Bristish Seedhouses A19 or similar mix of 30% Perennial Ryegrass, 40% Creeping Red Fescue, 25% Chewings Fescue, 5% Browntop Bent, @ 20-25gm/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 Bristish 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.

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 fail 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 — 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.

PLANTING Sc

TREES

Number							
12 No.							
5 No.	ACECAME	Acer campestre 'Elsrijk'	10-12cm	300-350cm	Selected Standard ;Clear Stem 175-200 ;2x :RB		Counted
14 No.	AMEGRRH	Amelanchier x grandiflora 'Robin Hill'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
11 No.	BETPE	Betula pendula	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
7 No.	CRALAPS	Crataegus laevigata 'Paul's Scarlet'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
5 No.	CRAMON	Crataegus monogyna	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem min. 200cm		Counted
283 No.	CRAMON	Crataegus monogyna		80-100cm	1+2: Transplant: B		0.4Ctr Double Staggered at 0.3m offset
7 No.	CRAPR	Crataegus x prunifolia	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
5 No.	PRUAV	Prunus avium	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem min. 200cm		Counted
2 No.	PRUKA	Prunus 'Kanzan'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
4 No.	PRUSB	Prunus 'Sunset Boulevard'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
1 No.	PRUSB	Prunus 'Sunset Boulevard'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
14 No.	PYRCACH	Pyrus calleryana 'Chanticleer'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
13 No.	QUE ROB	Quercus robur	10-12cm	3.0-3.5m	Clear Stem 175-200 ;Selected Standard ;3/5 brks ;2x :RB		Counted
8 No.	SORARLU	Sorbus aria 'Lutescens'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
11 No.	SORAUCR	Sorbus aucuparia 'Cardinal Royal'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
6 No.	SORGW	Sorbus 'Golden Wonder'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: B: Clear Stem 175-200cm		Counted
3 No.	TILCOGR	Tilia cordata 'Greenspire'	10-12cm	300-350cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm		Counted
Total :411 No.							

SHRUBS

Number	Abbreviation	Species	Height	Diameter	Specification	Density	Pot Size
59 No.	ABEEG	Abelia 'Edward Goucher'	30-40cm		Bushy: 3 brks: C	3/m²	3L
31 No.	AUCJACR	Aucuba japonica 'Crotonifolia'	30-40cm		Bushy: 3 brks: C	2/m²	3L
313 No.	BERFRA	Berberis x Frikartii 'Amstelveen'	25-30cm		Bushy: 4 brks: C	4/m²	3L
73 No.	CEATHR	Ceanothus thyrsiflorus repens		30-40cm	Bushy: 5 brks: C	3/m²	3L
60 No.	CHOTE	Choisya ternata	30-40cm		Bushy: 4 brks: C	3/m²	3L
20 No.	CHOTE	Choisya ternata	30-40cm		Bushy: 4 brks: C	2/m²	3L
76 No.	CORAV	Corylus avellana	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	1/m²	
157 No.	CORAV	Corylus avellana	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	0.4Ctr Double Staggered at 0.3m offset	
50 No.	CORSA	Cornus sanguinea	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	1/m²	
80 No.	CORSA	Cornus sanguinea	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	0.4Ctr Double Staggered at 0.3m offset	
886 No.	COT FRA	Cotoneaster franchetii	60-80cm		Upright bushy for hedging :3/6 brks ;C	3/m	3L
323 No.	CRAMON	Crataegus monogyna	60-80cm		1+1: Transplant - seed raised: B	1/m²	
618 No.	CRAMON	Crataegus monogyna	60-80cm		1+1: Transplant - seed raised: B	0.4Ctr Double Staggered at 0.3m offset	
7 No.	Eeu	Euonymus europaeus	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	1/m²	
545 No.	ELAEB	Elaeagnus ebbingei	60-80cm		Upright bushy for hedging :3/6 brks ;C	3/m	3L
27 No.	ELAPUMA	Elaeagnus pungens 'Maculata'	30-40cm		Branched: 3 brks: C	3/m²	3L
750 No.	ESC SPI	Escallonia rubra 'Crimson Spire'	60-80cm		Upright bushy for hedging :3/6 brks ;C	3/m	3L
37 No.	EUOEU	Euonymus europaeus	60-80cm		1+2: Transplant - seed raised: Branched: 5 brks: B	1/m²	
80 No.	EUOEU	Euonymus europaeus	60-80cm		1+2: Transplant - seed raised: Branched: 5 brks: B	0.4Ctr Double Staggered at 0.3m offset	
30 No.	EUOFOENG	Euonymus fortunei 'Emerald 'n' Gold'	20-25cm	20-30cm	Bushy: 5 brks: C	5/m²	2L
54 No.	EUOFOSQ	Euonymus fortunei 'Silver Queen'	20-30cm	20-30cm	Bushy: 5 brks: C	4/m²	3L
501 No.	GBI LIT	Griselinia littoralis	60-80cm		Upright bushy for hedging :3/6 brks ;C	3/m	3L
147 No.	HEBALRE	Hebe 'Red Edge'		20-30cm	Bushy: 5 brks: C	4/m²	3L
84 No.	HEBFRBG	Hebe x franciscana 'Blue Gem'	20-30cm		Bushy: 5 brks: C	3/m²	3L
67 No.	HEBMB	Hebe 'Midsummer Beauty'	30-40cm		Bushy: 5 brks: C	3/m²	3L
20 No.	HEBMB	Hebe 'Midsummer Beauty'	20-30cm		Bushy: 3 brks: C	3/m²	2L
71 No.	HEBMW	Hebe 'Mrs Winder'	30-40cm		Bushy: 5 brks: C	3/m²	3L
122 No.	HYPHI	Hypericum 'Hidcote'	30-40cm		Bushy: 5 brks: C	3/m²	3L
169 No.	HYPMO	Hypericum x moserianum	20-30cm		Bushy: 5 brks: C	4/m²	2L
90 No.	ILEAQ	Ilex aquifolium	40-60cm		Leader with Laterals: C	1/m²	2L
157 No.	ILEAQ	Ilex aquifolium	40-60cm		Leader with Laterals: C	0.4Ctr Double Staggered at 0.3m offset	2L
87 No.	LAVANHI	Lavandula angustifolia 'Hidcote'	15-20cm		Bushy: 5 brks: C	6/m²	2L
43 No.	LON GOL	Lonicera nitida 'Baggesen's Gold'	30-40cm		Bushy: 3 brks: C	3/m²	3L
122 No.	PHOFRRER	Photinia x fraseri 'Red Robin'	30-40cm		Branched: 6 brks: C	2.5/m²	3L
258 No.	PIOL	Prunus laurocerasus 'Otto Luyken'	30-40cm		Bushy: 3/4 brks ;C	3/m²	2L
71 No.	PRULACB	Prunus laurocerasus 'Cherry Brandy'		30-40cm	Bushy: 3 brks: C	3/m²	3L
126 No.	PRUSP	Prunus spinosa	60-80cm		1+1: Transplant - seed raised: Branched: 2 brks: B	1/m²	
233 No.	PRUSP	Prunus spinosa	60-80cm		1+1: Transplant - seed raised: Branched: 2 brks: B	0.4Ctr Double Staggered at 0.3m offset	
75 No.	PYRCOREC	Pyracantha coccinea 'Red Cushion'		30-40cm	Bushy: 5 brks: C	3/m²	3L
22 No.	PYROG	Pyracantha 'Orange Glow'	60-80cm		Leader & Laterals: 3 brks: C	2.5/m²	3L
55 No.	ROSCA	Rosa canina	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	1/m²	
80 No.	ROSCA	Rosa canina	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	0.4Ctr Double Staggered at 0.3m offset	
462 No.	ROSFRDH	Rosa 'Fru Dagmar Hastrup'	30-40cm		Roses - Cutting: Bush: 3 brks: C	3/m²	2L
142 No.	ROSRUGAL	Rosa rugosa 'Alba'	30-40cm		Branched: 3 brks: C	2.5/m²	2L
37 No.	SALCAP	Salix caprea	60-80cm		0/1: Cutting: Branched: 2 brks: B	1/m²	
80 No.	SALCAP	Salix caprea	60-80cm		0/1: Cutting: Branched: 2 brks: B	0.4Ctr Double Staggered at 0.3m offset	
7 No.	SAM NIG	Sambucus nigra	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	1/m²	
10 No.	SKI RUB	Skimmia japonica 'Rubella'	30-40cm		Bushy :3/5 brks ;C	4/m²	3L
48 No.	SKICOKEG	Skimmia x confusa 'Kew Green'	30-40cm		Bushy: 3 brks: C	3/m²	3L
60 No.	SPIJAGO	Spiraea japonica 'Goldflame'	30-40cm		Bushy: 6 brks: C	3/m²	3L
32 No.	SYMCHHA	Symphoricarpos x chenaultii 'Hancock'	40-60cm		Branched: 3 brks: C	2.5/m²	2L
298 No.	VIB PRI	Viburnum tinus 'Eve Price'	60-80cm		Upright bushy for hedging :3/6 brks ;C	3/m	3L
44 No.	VIBOP	Viburnum opulus	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	1/m²	
80 No.	VIBOP	Viburnum opulus	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	0.4Ctr Double Staggered at 0.3m offset	
40 No.	WEIFLFOP	Weigela florida 'Foliis Purpureis'	30-40cm		Branched: 4 brks: C	3/m²	3L
60 No.	WEIFLVA	Weigela florida 'Variegata'	40-60cm		Branched: 5 brks: C	3/m²	3L
Total :8236 No.							

Rev	Date	By	Note

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Client
BELLWAY HOMES LTD

Project
LAND NORTH OF GOLDRING CLOSE MENGHAM

Drawing title
PLANT SCHEDULE AND SOFT LANDSCAPE SPECIFICATION

Drawing No.	Scale	Date	Drawn By
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