SPECIFICATION NOTES - REFER ALSO TO THE MEASURED WORKS SCHEDULE.

A) Setting out

1. Planting shall be set out exactly as shown on the drawing, and measured from existing fixed points. Curved beds shall be set out using radii scribed on the ground using two pointed stakes and a line between, or with site marker paint. The junction between convex and concave curves shall be cut to form a smooth and even flowing line. Check that all setting out conforms to the plan before cultivation and planting works are carried out. Failure to do so may result in rejection of the work by the landscape architect and may require amendment at the contractor's expense.

2. All planting beds shall be a minimum of 1 metre wide, except where there is insufficient space, due to the constraints of walls and their foundations. With narrow beds between walls/ fences and path edgings, ensure that the bed has space free from concrete footings before planting. If the bed is sealed with concrete, then the landscape contractor shall contact the site manager or landscape architect to determine if footings are excessive and can be reduced or else, the bed can be paved. The width of all beds will be checked by the inspecting landscape architect and where the width is not as drawn, the contractor shall re- cultivate them to the specified width at his own expense.

B) Ground preparation

1. Pre-planting herbicide application:- Apply by suitable spraying aparatus, an approved translocated systemic herbicide to the manufacturer's instructions and to 1997 Control of Pesticides Regulations and 2003 COSHH regulations on all beds, except those which are both weed free and are to receive agrotextile sheet mulch. Spray immediately if any weeds are present. If none are showing, but there may be a delay before planting, or the area is to be seeded, spray after one month following cultivation, to allow dormant seed to germinate. All spraying shall be carried out by skilled and qualified operatives, using protective clothing, in suitable weather (no wind) and any damage caused by spray drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and rake off all dead material from site.

2. Carry out the following works to the existing topsoil on site to ensure it Conforms to BS 3882:2015, being free from rocks larger than 50m diameter, concrete, all roots, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilise with 100g per meter square of Hortibase CRF (16-8-12) slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 5 meters in width, fork over thoroughly or machine rotovate soil to a depth of 400mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 5 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or ripper at 500mm centres to a depth of 500mm,except where there are services, or within 10 meters of tree stems or 3 meters of existing hedges. Do not rip areas where roots greater than 10mm diameter are encountered.

3. Determine before submitting a tender, the extent of support from the site manager with ground preparation: ensure soil of all planting beds is graded to a level 65mm below adjacent grass or paved surfaces, (90mm below where agro- textile set mulch is not specified), within 400-600mm of edges to ensure bark or wood chip mulches are retained. Where grass is proposed, then the soil level shall be flush (maximum 10mm below - but never proud) of adjacent paved surfaces, to receive rain water run off. The landscape contractor is responsible for ensuring that the final product conforms to the specification even where the developer and/or main contractor have failed to supply and spread topsoil to the recessed level. The landscape contractor shall allow for adjustment of levels, as specified above, including for re-grading subsoil and topsoil. Where beds are sloping, ensure that topsoil is graded to the specified levels below pavement & grass surfaces within 400mm of the edges of the bed. This is to allow for sheet mulch and bark or wood chip mulch so that mulch does not spill out on to pavements and also to allow surface water to drain from paths on to planted areas.

4. For sloping areas to be turfed adjacent to paved areas, topsoil levels shall be graded flush with the finished pavement level (or up to 10mm below),to allow surface water to drain from pavements to soft areas. Soil of grass areas should therefore never be proud of paved areas. Soil levels more than 10 mm below pavement edges will cause mower damage on cutting.

5.Imported topsoil (where specified and sanctioned by the employer) for making up ground, shall conform to BS 3882: 2015, and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have less than greater than 20% clay. Such soil shall be cultivated as set out above. Representative samples shall first be approved by the landscape architect before being supplied to site. No imported soil shall be supplied to site without a written instruction.

C) Planting

1. All planting must be carried out in accordance to the specification and schedule of quantities accompanying these drawings. Refer to the specification for the preparation of existing topsoil and required depths for planting, turfing, and standard trees, and also for maintenance requirements.

2. No substitutions will be accepted without the prior agreement of the inspecting landscape architect. The contractor shall replace at once at his own cost any stock size, species or variety of plant which has not been specified on the planting plan and schedule, unless prior agreement to a substitution by the landscape architect has been received. All plants shall be true to size specified in the schedule of plants and associated notes, (3L pots are 19cm diameter and 15cm deep). All shrubs, (other than ground cover), shall be 400-600mm height and spread, or otherwise specified for the pot size by the HTA National Plant Specification and be bushy, healthy, disease free stock, not pot bound, leggy or spindly. There should be a minimum of 5 breaks per shrub. This specification is the minimum standard required and any stock falling below this standard, in the sole opinion of the inspecting landscape architect,shall be lifted and replaced at the contractor's expense.

3. All shrubs, herbaceous plants, whips and transplants shall be watered in on planting with 20 litres per square metre. Trees shall be watered in with 25 litres per tree position. Water thereafter during the contract period at weekly intervals with 30 litres of water.

4. Proposed large feathered or standard trees to be true to the species, variety and size as specified on the planting plan, to include 1.6m chestnut stake 600mm above ground and 1000mm below ground) and 1No. sackcloth tie with spacing device positioned 25mm maximum from the top of the post.

5. Turf to be of cultivated grade such as Rowlawn "Medallion", or other of similar quality and source, approved by the landscape architect. The contractor shall replace at once any turf rejected by the landscape architect at his own cost.

6.Self clinging climbing shrubs or wall shrubs, with "S" drawn after the climber name, shall be trained to the wall/fence with heavy duty, plastic coated garden wire. Training wires shall be attached vertically to the wall/fence by means of 125mm long stainless steel eye screw fittings. Position 1No. at 250mm from ground, and 1No. 250mm from top of the wall/fence, and string the wire tightly between the fixings. Train the climber to the wire with plastic coated garden wire tags.

7. Twining varieties of climber, with "T" drawn after the climber's name (in specially prepared pits or general shrub beds) shall be trained to walls/ fences by mounting ready-made trellis panels 1.8 x 1.8m generally (but 1.8 x 0.6m for corners or where space is restricted). Include for adapting any panels for locations where walls or fences are lower than 1.8m. Fix trellis panels to the walls/ fences using non rusting screws 125mm long (to be approved), incorporating 50mm cube wood spacing blocks to ensure that the panel is mounted sufficiently far from the wall/ fence to allow twining of stems. Ensure that all timber is pressure impregnated with a non phyto-toxic preservative and then painted with a dark brown non phyto-toxix preservative wood stain such as Sadolin "Classic" walnut or similar and approved. Ensure that the trellis is not in contact with the ground. Train the climbing shrub to the trellis with plastic coated garden wire tags.

8. Climbers specified outside proposed shrub beds shall have specially prepared climber pits. Climber pits shall be 400mm x 400mm and 600mm deep (minimum size), and be backfilled with topsoil (from site - unless otherwise agreed). Ensure the base of the pit is thoroughly broken up and free draining before back filling with topsoil.Ensure no damage to foundations and services, and make good all structures and surfaces disturbed. Fertilise with 50g of Hortibase CRF (16-8-12) slow release fertilizer. Water with 15 litres of water per climber pit.

D) Mulch

1. When specified by the additional specification notes on this plan, supply and spread suitable biodegradeable sheet mulch over planting beds, previously, cultivated, graded and fertilized topsoil before planting, and peg down at a minimum of 500mm centres, (300mm at edges) and beds less than 1m wide. Pegging this densely is essential to prevent flaps of material becoming exposed. Refer to the specification for biodegradable sheet mulch on plan.

2. Following planting supply and spread evenly Wood Chip to a depth of 50mm, (75mm if no sheet mulch specified), over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels to avoid any spillage onto pavements or lawns. N.B. no substitution of mulch type will be acceptable. It is essential to have a no-fines, large particled, brown wood chip to reduce weed growth, reduce wind blow and prevent rapid break down.

E) BS codes

1. All workmanship and materials shall conform to the following codes:-
A) General landscape operations (excluding hard surfaces) - BS 4428:1989.
B) Trees in relation to construction- BS 5837: 2012 and BS 6549:1999. BS 3998:2010 (recommendations for tree works) unless otherwise specified. Arboricultural Association - Standard Conditions of Contract and Specifications of Tree Works 1996.
C) Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2001".
Plants shall conform to:
-BS 8545 : 2014 Trees from Nursery to Independence in the Landscape
-BS 3936-1 : 1992 Nursery Stock - Specification for trees and shrubs.
-BS 3936-2 : 1990 Nursery Stock- Specification for roses + AMD 6628.
-BS 3936- 4 : 2007 Nursery stock- Specification for forest trees.
-BS 3936-9 : 1998 Nursery stock- Specification forbulbs, corms and tubers.
-BS 3936-10 : 1990 Nursery stock- Specification for ground cover shrubs.
-CPSE-Committee for Plant Establishment, Handling and establishing landscape plants 1996, Part 3, paragraphs 6.2 to 6.6.
D) Glossary for Landscape Works BS 4428 :1989
E) Turf - BS 3969:1998- recommendations for turf for general purposes.
F) Seeding - EEC Regulations 1974. Use blue labelled certified varieties to EC purity and germination regulations. When requested, submit an officia seed Testing Station Certificate of germination, purity and composition.
G) Topsoil - BS 3882: 2015
H) Pesticides: Control of Pesticides Regulations 1997;The Health and Safety at Work Act 1974; the COSHH Regulation 2003, the product COSHH sheet Water Supply (Water Quality.) Regulations amended 2000; Control of Pollution Act 1974; Hedgerow ACT 1997; Wildlife and Countryside Act 1981; Countryside and Rights of way Act 2000.

GENERAL NOTES FOR THE DEVELOPER.

A) Tree protection
1. Any existing trees to be retained, are the responsibility of the main contractor on site who shall take all necessary protective measures set out in BS 5837:2012 to ensure no damage to stems or roots, to prevent compaction from vehicles or storage of materials, contamination of soil from spilages, scorching from fires and instability or stress from changes of soil level. The landscape contractor is however responsible for ensuring that neither plant, materials or labour are cause of any damage to existing trees, and like the employer, the landscape contractor shall replace at once any tree damaged on site, supplying and planting a tree of the same species and size, at his own cost. Protection barriers will comprise a scaffold framework in accordance with Figure 2 of BS 5837:2012 (The BS).
The framework will consist of vertical and horizontal scaffolds with vertical tubes spaced at no more than 3m intervals and driven into the ground. Weld mesh (Heras or similar) panels will be securely fixed on to this framework with wire or scaffold clamps. Tubes will be driven into the ground to a minimum depth of 600mm.
Supporting struts will be fixed to the inside of the barrier to ensure maximum rigidity.

B) Ground work

1. Soil levels: soil levels for shrub beds and grass areas should have any compacted subgrade thoroughly broken up by machine before instructing the ground worker to spread topsoil or the landscape contractor to commence work or the beds will become waterlogged in wet weather and the plants and turf will die.

2. Top soil spread from on site should be to the following minimum depths:- Shrub beds: 450mm. Grass areas 150mm. allow for excavation of 415mm of the subgrade for shrub beds to leave beds 65mm below finished pavement or grass areas in order to receive sheet and bark mulch, (90mm below where sheet mulch is not to be used). Tree pits will be dug by the landscape contractor. Top soil shall be spread for grass areas flush with any areas of paving and after settlement, the soil level should be no greater than 10mm below paved areas to allow for turf. For areas to be grass seeded, the soil level shall be flush with any finished paved surfaces after settlement (or to a maximum of 5mm below) to allow for rain water to drain onto soft surfaces. Settlement shall be no greater than the tolerances given or problems will be encountered with mowing (the blades in danger of touching concrete edgings) or where soil is proud of pavements, then drainage problems will be encountered.

3. Existing topsoil and imported soil shall conform to BS 3882:2007, and be free from compaction, rocks/bricks greater than 50mm diameter, concrete, wire, roots, debris, oil, cement and builders rubble. Soil shall have a clay content of less than 20%.

C) Hardworks

1. Hard works, unless otherwise agreed, shall be carried out by the developer or main contractor, and all materials and workmanship shall be in accordance with the construction details and the layout plan.

2. All paths and edgings shall be set out properly to lines and radii, with all curves scribed on the ground using pointed pegs and string or site marker paint, achieving flowing natural arcs. Setting out shall be agreed with the landscape contractor and subsequently the landscape architect.

3. Hard surfaces shall be constructed after suitable base courses have been laid, taking full account of local site conditions, soft spots and substrate. The indicative depths of base courses are minimum depths assuming suitable substrate conditions.

4. All metalwork shall be finished hot dipped galvanized in accordance with BS EN ISO1460. The galvanizer shall be responsible for the thorough removal of all galvanizing smuts (fettling) to the complete satisfaction of the Landscape Architect. The decorating contractor shall prepare the galvanized surface by washing with detergent and water and scrubbing with a scouring pad until all dirt, grease, white rust & sulphates have been removed & then allowed to dry thoroughly. Supply and paint 'Icosit 6630' from Sika Ltd (tel. 01707 374444) applied with a turkhead brush strictly in accordance with the manufacturers instructions, COSHH regulations and the product COSHH sheet. Apply 2No. coats of paint with a dry film thickness of 100 microns per coat. Apply paint only when galvanized surface is thoroughly dry at temperatures above five degrees celsius and in any event above the current dew point temperature. Paint work will be subject to inspection by experts and if found wanting, shall be stripped off, re-prepared and applied entirely at the decorating contractors own cost.

5. All wood work to use ACQ water based wood preservative applied by vacuum pressure by Permawood or other similar and approved company. The timber shall then be stained with 3No. coats of Sadolin 'Classic,' colour 'Walnut' strictly in accordance with the manufacturers instructions, COSHH Regulations 2003 and product COSHH sheet.

GENERAL NOTES

-ALL DIMENSIONS IN MILLIMETRES
-DO NOT SCALE OFF THIS DRAWING
-ALL DIMENSIONS TO BE CHECKED ON SITE

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SPECIFICATION FOR HEDGE PLANTING

SPECIFICATION FOR NATIVE AND SEMI-NATIVE HEDGES e.g. Mixed native species, Carpinus betulus & Fagus sylvatica.
Hedges containing native and semi-native planting in mixes shall be planted in two straight rows set 335mm apart at a density of 6 plants per linear metre. The two rows shall be placed in the centre of the bed and shall be offset so that the plants are alternate and not opposite each other. Plants to be open ground stock 600-900mm high.

335335 | Centreline of cultivated bed | Limit of growth (if clipped) | 1005 | 335 | 335 | 335 | 1000

SPECIFICATION FOR ORNAMENTAL HEDGE PLANTING - LARGE GROWING SPECIES e.g. Osmanthus heterophyllus, Ligustrum ovalifolium, Viburnum tinus, Cotoneaster lacteus, Euonymus japonicus 'Aureopictus', Escallonia 'Apple Blossom' & Griselinia littoralis.

Hedges containing large ornamental species shall be planted in a single straight row at a density of 3 plants per linear metre. The row shall be placed in the centre of the bed. Hedge plants to be 3L container grown stock, 400-600mm height and spread unless otherwise stated.

335335 | Centreline of cultivated bed | Limit of growth (if clipped) | 1000 | 500 | 500 | 1000

SPECIFICATION FOR ORNAMENTAL HEDGE PLANTING - SMALL GROWING SPECIES e.g. Buxus sempervirens, Osmanthus delavayi, Lavendula spica 'Hidcote,' Hebe topiara & Lonicera nitida.
Hedges containing small ornamental species shall be planted in a single straight row at a density of 3 plants per linear metre. The row shall be placed in the centre of the bed. Hedge plants to be 3L container grown stock, 300-400mm height and spread unless otherwise stated.

335335 | Centreline of cultivated bed | Limit of growth (if clipped) | 700 | 350 | 350 | 1000

NB. Hedges adjacent to gravel areas shall have the cultivated strip separated from gravel by a timber edge 75 x 25mm of ACQ treated timber stained with 3No. coats of Sadolin 'Classic' colour 'Walnut' (dark brown wood stain) according to specification.

CDM RISK ASSESSMENT

Within this CDM risk assessment any risk has been reviewed during the design stages and in house checking procedure. The purpose of this notification is to identify any significant hazards related to design work by James Blake Associates only, which constitutes to a significant hazard being defined as a unforeseeable hazard which is not likely to be obvious to a competent contractor or other designer or unusual or difficult to manage effectively. This is in accordance with Regulation 13 (Requirements of the Designer) of the CDM Regulations 1994 (amended 2015).

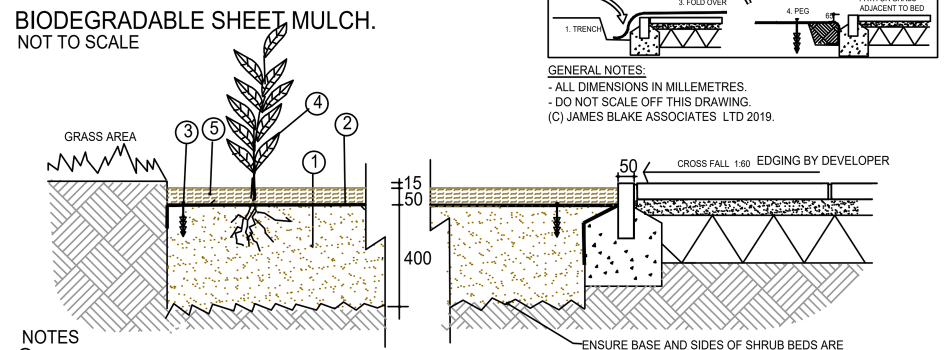
It is assumed that other designers or contractors have been notified by the client , principle designer or principle contractor of an pre existing hazards or difficulties of management situations present. A certain level of Health and Safety management is assumed (reference to Management of Health and Safety at Work Regs 1999; Provision and Use of Work Equipment Regs 1998; Personal Protective Equipment at Works Regs 2002; Manual Handling Operations Regs 1992 etc).

ITEM	RISK LEVEL	HAZARD/RISK
EXCAVATION, CONSTRUCTION, COMPACTION AND SOIL PREPARATION NEAR EXISTING TREES BOTH ON AND OFF THE SITE	MEDIUM	HAZARD TO SAFETY OF WORKERS, USERS OF ADJACENT LAND AND FUTURE USERS OF THE SITE BY DAMAGED TREES
EXCAVATION OF TREE PITS NEAR OR ADJACENT TO UNDERGROUND SERVICES	HIGH	DAMAGE TO SERVICES AND HAZARD TO SAFETY OF WORKERS

*A list of James Blake Associates Approved Landscape Contractors is available on request.

INSET DETAIL 1: SHRUB BED WITH COURSE WOOD CHIP MULCH OVER SUITABLE BIODEGRADABLE SHEET MULCH.

NOT TO SCALE



GENERAL NOTES:
- ALL DIMENSIONS IN MILLEMETRES.
- DO NOT SCALE OFF THIS DRAWING.
- (C) JAMES BLAKE ASSOCIATES LTD 2019.

NOTES
1. Existing topsoil to be rotovated to a depth of 400mm ensuring that the ground is completely broken up and is free draining. Complete ground preparation as specified within the measured works schedule, ensuring finished soil levels are 65mm below adjacent pavement or grass surfaces. If soil is dry, water liberally, prior to laying sheet mulch.
2. Suitable biodegradable sheet mulch such as Hy-tex "Ecotex Mulchmat" to be unrolled and placed in overlapping rows (overlap to be a minimum of 50mm). To be laid by burying 200mm flap of material at the extreme edges of the shrub area; and folding over itself (refer to inset on sheet mulch specification). Tuck in sheet on the opposite side of the proposed shrub area and fasten close to tucked in part with plastic pegs.
3. Suitable pegs hammered in at 500mm centres to secure sheeting. Increase frequency to 300mm centres at edges to secure sheet mulch at margins.
4. Supply and pit plant shrubs through sheeting. Refer to pit planting through sheet mulch specification.
5. "Coarse graded free-of-fines large wood chip mulch" to be darkened from aging (3-6 months minimum) available from CPA Horticulture Type 'Rustic Mulch, Tel: (01994) 231121. Mulch to cover all of biodegradable fabric to a min depth of 50mm once all plants are planted. Ensure finished levels are 15mm below adjacent turf or hard surfaces.

N.B. (A) Do not use biodegradable sheet mulch on slopes greater than 1:3 without the use of gravel boards at 1 - 1.5m centres along the contours to retain the bark cover.
(B) For gravel/shingle areas utilise a non-biodegradable polypropylene woven fabric such as "Covertex" from Hy-tex U.K. Ltd. tel: (01233) 720097. Cover the fabric all over with 40mm of clean, washed, cream / buff coloured gravel, 20mm gravel, unless otherwise stated in the key.

PIT PLANTING THROUGH SHEET MULCH SPECIFICATION
A) Place plants on sheet in intended positions
B) Cut "+" shape in to the fabric with scissors or sharp knife for each plant position. Each cut to be approximately 300mm - 500mm depending on the size of the shrub.
C) Hold back the fabric using stones etc and excavate pits of appropriate size, for example:-
-350mm depth and 300mm radius of stem, for plants specified in 10L containers.
-300mm depth and 250mm radius of stem, for plants specified in 3L or smaller containers.
D) Ensure pit sides / base are well broken up.
E) Pit plant so the nursery mark is flush with the ground.
F) Backfill with imported or existing topsoil mixed with Vitax "Q4 HN" fertiliser to suppliers instructions and 25L non peat compost per m2.
G) Firm in and replace flaps of fabric tightly around base of plant stem. ensure there is no soil what so ever over the sheet mulch. Peg as necessary.
H) Water plants with 20L/plant for 10L stock and 10L/plant for 3L or smaller stock using a fine spray hose.
I) Spread "coarse graded free-of-fines large wood chip mulch" 50mm deep. Finished surface levels to be 15mm below adjacent turf or paving.

SCHEDULE OF PLANTS

SHRUBS

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB	MIN HEIGHT/SPREAD
4No.	Aca mol	Acanthus mollis	C.G. 3L	5/m2	-		100-200 x 100-200mm
96No.	Auc Var	Aucuba japonica "Variegata"	C.G. 10L	3/m2	C		600-800 x 600-800mm
74No.	Ber Pur	Bergenia cordifolia "Purpurea"	C.G. 5L	4/m2	-		100-200 x 100-200mm
73No.	Bra Sun	Brachyglottis dunedin "Sunshine"	C.G. 5L	3/m2	B		200-300 x 200-300mm
7No.	Cea Sky	Ceanothus "Skylark"	C.G. 5L	3/m2	B		300-400 x 300-400mm
63No.	Cho Azt	Choisya ternata "Aztec Pearl"	C.G. 10L	3/m2	C		400-600 x 400-600mm
6No.	Cho Gol	Choisya dewitteana "Aztec Gold"	C.G. 10L	3/m2	C		400-600 x 400-600mm
223No.	Cho Sun	Choisya ternata "Sundance"	C.G. 10L	3/m2	C		400-600 x 400-600mm
105No.	Cis cor	Cistus x corbariensis	C.G. 5L	3/m2	B		300-400 x 300-400mm
8No.	Cis lor	Cistus x lorettii (dansereaui)	C.G. 5L	3/m2	B		300-400 x 300-400mm
46No.	Cis Sun	Cistus pulverulentus "Sunset"	C.G. 5L	3/m2	B		300-400 x 300-400mm
13No.	Cor Spa	Cornus alba "Spaethii"	C.G. 5L	3/m2	D	2.25	400-600 x 400-600mm
16No.	Ery Bow	Erysimum "Bowles's Mauve"	C.G. 3L	3/m2	-		200-300 x 200-300mm
86No.	Euo Aur	Euonymus japonicus "Ovatus Aureus"	C.G. 5L	3/m2	C		400-600 x 400-600mm
57No.	Euo Eme	Euonymus fortunei "Emerald Gaiety"	C.G. 3L	5/m2	A		200-300 x 200-300mm
260No.	Euo Gol	Euonymus fortunei "Emerald 'n' Gold"	C.G. 3L	5/m2	A		300-400 x 300-400mm
26No.	Euo Bra	Euonymus japonicus "Bravo"	C.G. 10L	3/m2	B		600-800 x 600-800mm
28No.	Euo Blo	Euonymus fortunei "Blondi"	C.G. 5L	3/m2	B		300-400 x 300-400mm
69No.	Euo Pre	Euonymus "President Gaultier"	C.G. 5L	3/m2	B		400-600 x 400-600mm
8No.	Ger Ing	Geranium macrorrhizum "Ingwersen's Var	"C.G. 3L	5/m2	-		100-200 x 100-200mm
9No.	Ger Joh	Geranium pratensis "Johnsons Blue"	C.G. 3L	5/m2	-		100-200 x 100-200mm
9No.	Ger Roz	Geranium "Rozanne"	C.G. 3L	5/m2	-		100-200 x 100-200mm
9No.	Ger War	Geranium x oxonianum "Wargrave Pink"	C.G. 3L	5/m2	-		100-200 x 100-200mm
8No.	Heb Mid	Hebe "Midsummer Beauty"	C.G. 5L	3/m2	D	1.5	300-400 x 300-400mm
215No.	Heb Met	Hebe "Mette"	C.G. 5L	4/m2	B		300-400 x 300-400mm
146No.	Heb rak	Hebe rakaiensis	C.G. 5L	4/m2	A		300-400 x 300-400mm
3No.	Heb Sut	Hebe "Sutherlandii"	C.G. 5L	4/m2	A		300-400 x 300-400mm
8No.	Hyd Gra	Hydrangea paniculata "Grandiflora"	C.G. 10L	3/m2	E		400-600 x 400-600mm
111No.	Hyp Hid	Hypericum "Hidcote"	C.G. 5L	3/m2	C		600-800 x 600-800mm
3No.	Lav Hid	Lavandula angustifolia "Hidcote"	C.G. 5L	4/m2	A		300-400 x 300-400mm
15No.	Lon May	Lonicera nitida "Maygreen"	C.G. 3L	3/m2	C		300-400 x 300-400mm
24No.	Lon pil	Lonicera pileata	C.G. 3L	3/m2	B		300-400 x 300-400mm
5No.	Nan Fir	Nandina domestica "Fire power"	C.G. 5L	3/m2	B		300-400 x 300-400mm
73No.	Nan Lem	Nandina domestica "Lemlim"	C.G. 5L	3/m2	B		300-400 x 300-400mm
8No.	Phl fru	Phlomis fruticosa	C.G. 5L	3/m2	B		400-600 x 400-600mm
21No.	Phi Aur	Philadelphus coronarius "Aureus"	C.G. 5L	3/m2	D	2.25	400-600 x 400-600mm
30No.	Pho Com	Photinia x fraseri "Robusta Compacta"	C.G. 5L	3/m2	B		400-600 x 400-600mm
7No.	Pho ten	Phormium tenax	C.G. 10L	2/m2	-		800-1000x 800-1000mm
94No.	Pho Jes	Phormium "Jester"	C.G. 10L	3/m2	-		800-1000x 800-1000mm
6No.	Pho Var	Phormium tenax "Variegata"	C.G. 10L	2/m2	-		800-1000x 800-1000mm
3No.	Pho Yel	Phormium "Yellow Wave"	C.G. 10L	3/m2	-		800-1000x 800-1000mm
13No.	Pho Red	Photinia x fraseri "Red Robin"	C.G. 10L	3/m2	E	3.75	800-1000x 800-1000mm
5No.	Pot Abb	Potentilla fruticosa "Abbotswood"	C.G. 5L	3/m2	B		400-600 x 400-600mm
7No.	Pot Eli	Potentilla fruticosa "Elizabeth"	C.G. 5L	3/m2	B		400-600 x 400-600mm
4No.	Pot Red	Potentilla fruticosa "Red Ace"	C.G. 3L	5/m2	B		400-600 x 400-600mm
86No.	Pru Ott	Prunus laurocerasus "Otto Luyken"	C.G. 5L	3/m2	B		400-600 x 400-600mm
73No.	Ros Flo	Rosa "Flower Carpet"	C.G. 3L	3/m2	B		300-400 x 300-400mm
61No.	Ros Bon	Rosa "Bonica"	C.G. 3L	3/m2	B		300-400 x 300-400mm
14No.	Ros phe	Rosa pheasant	C.G. 3L	3/m2	A		300-400 x 300-400mm
6No.	Sal sup	Salvia superba	C.G. 3L	4/m2	-		200-300 x 200-300mm
3No.	Ski Rub	Skimmia japonica "Rubella"	C.G. 5L	4/m2	F	4.5	300-400 x 300-400mm
36No.	Spi Gol	Spirea japonica "Goldflame"	C.G. 5L	3/m2	B		300-400 x 300-400mm
4No.	Spi Pri	Spirea japonica "Golden Princess"	C.G. 5L	3/m2	A		300-400 x 300-400mm
141No.	Vib dav	Viburnum davidii	C.G. 5L	3/m2	B		300-400 x 300-400mm
7No.	Vib Mar	Viburnum plicatum "Mariesii"	C.G. 10L	3/m2	D	2.25	400-600 x 400-600mm
29No.	Vib tin	Viburnum tinus "Eve Price"	C.G. 5L	3/m2	D	2.25	400-600 x 400-600mm

GRASSES AND SEDGES

QTY	CODE	PLANT NAME	STOCK	SPACING
24No.	Car Eve	Carex oshimensis "Evergold"	C.G. 3L	5/m2
12No.	Car Iri	Carex morrowii "Irish Green"	C.G. 3L	5/m2

SPECIMENS PLANTED IN BEDS, GRASS OR GRAVEL

QTY	CODE	PLANT NAME	STOCK	SHC	DFB
6No.	ANE SEP	Anemone japonica "September Charm"	C.G. 3L	-	
1No.	CHO AZT	Choisya ternata "Aztec Pearl"	C.G. 10L	C	
3No.	CHO SUN	Choisya ternata "Sundance"	C.G. 10L	C	
3No.	COR AVE	Corylus avellana	C.G. 10L	E	3.75
2No.	DRY AFF	Dryopteris affinis	C.G. 3L	-	
12No.	DRY ERY	Dryopteris erythrosora	C.G. 3L	-	
3No.	EUO GOL	Euonymus fortunei "Emerald 'n' Gold"	C.G. 3L	A	
1No.	HYD QUE	Hydrangea quercifolia	C.G. 10L	D	1.5
8No.	PHO JES	Phormium tenax "Jester"	C.G. 10L	-	
2No.	TAX HIC	Taxus x media "Hicksii" min.1.5m high root ball or container	C.G. 15L	D	1
1No.	THU SMA	Thuja occidentalis "Smaragd" min.1.5m high	C.G. 15L	D	1
3No.	VIB OPU	Viburnum opulus "Notcutts Var."	C.G. 10L	E	3.75

BULB PLANTING MIXES

QTY	%	PLANT NAME	STOCK	SPACING
110m2		Bulb planting mix A		
220No.	10%	Crocus "Dutch Yellow"	bulb	20/m2
220No.	10%	Galanthus nivalis	bulb	20/m2
440No.	20%	Narcissus "Panache"	bulb	20/m2
1100No.	50%	Hyacinthoides non-scripta	bulb	20/m2
220No.	10%	Leucojum vernum	bulb	20/m2

TOPIARY SPECIMEN SHRUBS/TREES PLANTED IN BEDS, GRASS OR GRAVEL

QTY	CODE	PLANT NAME	STOCK	SHC	DFB
9No.	TOP BAY	Topiary Bay (Laurus nobilis)	C.G. 10L	F	8
4No.	TOP BOXC	Topiary Buxus sempervirens cone ht 1m	C.G. 10L	C	

CLIMBERS

QTY	CODE	PLANT NAME	STOCK	SPACING	DFB
4No.	Cle Sno	Clematis armandii "Snowdrift"	"T" C.G. 3L	1/m	3

FEATHERED TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
9No.	Ace cam	Acer campestre	O.G. FTH	180-210cm	17m	22m	M
19No.	Aln glu	Alnus glutinosa	O.G. FTH	180-210cm	14m	18m	M
3No.	Ame Rob	Amelanchier lamarckii "Robin Hill"	O.G. FTH	150-180cm	7m	8m	M
6No.	Bet jac	Betula jacquemontii	C.G. 15L FTH	180-210cm	6m	12m	L
20No.	Bet pen	Betula pendula	C.G. 15L FTH	180-210cm	7m	14m	L
3No.	Car bet	Carpinus betulus	O.G. FTH	180-210cm	9m	17m	L
2No.	Cas sat	Castanea sativa	O.G. FTH	180-210cm	18m	24m	M
3No.	Fag syl	Fagus sylvatica	C.G. 15L FTH	180-210cm	15m	20m	M
4No.	Fag pur	Fagus sylvatica purpurea	C.G. 15L FTH	180-210cm	15m	20m	M
1No.	Mal Cox	Malus domestica "Cox"	O.G. FTH	180-210cm	3m	4m	M
1No.	Mal Jon	Malus "Jonagold"	O.G. FTH	180-210cm	5m	6m	M
2No.	Mal Joh	Malus "John Downie"	O.G. FTH	180-210cm	5m	6m	M
2No.	Mal syl	Malus sylvestris	O.G. FTH	180-210cm	8m	10m	M
6No.	Pop nig	Populus nigra	O.G. FTH	180-210cm	35m	30m	H
1No.	Pop tre	Populus tremula	O.G. FTH	180-210cm	35m	30m	H
1No.	Pru Ama	Prunus "Amanogawa"	O.G. FTH	180-210cm	4m	6m	M
8No.	Pru avi	Prunus avium	O.G. FTH	180-210cm	13m	17m	M
1No.	Pru dom	Prunus domestica	O.G. FTH	180-210cm	8m	12m	M
1No.	Pru Vic	Prunus "Victoria"	O.G. FTH	150-180cm	10m	8m	M
2No.	Pyr com	Pyrus communis	O.G. FTH	180-210cm	7m	9m	M
1No.	Pyr Con	Pyrus "Conference"	O.G. FTH	150-180cm	12m	10m	M
8No.	Que rob	Quercus robur	C.G. 15L FTH	200-250cm	25m	20m	H
5No.	Sal alb	Salix alba	O.G. FTH	180-210cm	30m	24m	H
3No.	Sal Chr	Salix x sepulcralis "Chrysocoma"	O.G. FTH	160-210cm	20m	16m	H
3No.	Til cor	Tilia cordata	O.G. FTH	180-210cm	17m	22m	M

STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
7No.	ACE CAM	Acer campestre	O.G. STD	8-10cm	17m	22m	M
3No.	ACE PLA	Acer platanoides	O.G. STD	10-12cm	15m	20m	M
9No.	ACE STR	Acer campestre "Streetwise"	O.G. STD	10-12cm	6m	8m	M
1No.	ALN COR	Alnus cordata	O.G. STD	10-12cm	12m	15m	M
4No.	ALN GLU	Alnus glutinosa	O.G. STD	10-12cm	14m	18m	M
2No.	AME ROB	Amelanchier lamarckii "Robin Hill"	C.G. STD	8-10cm	7m	8m	M
2No.	BET FAS	Betula pendula "Fastigiata Joes"	C.G. 15L STD	8-10cm	3m	5m	L
6No.	BET PEN	Betula pendula	C.G. 25L STD	8-10cm	7m	14m	L
6No.	CAR BET	Carpinus betulus	O.G. STD	8-10cm	9m	17m	L
1No.	CAR FRA	Carpinus betulus "Frans Fontaine"	O.G. STD	8-10cm	9m	16m	L
1No.	FAG SYL	Fagus sylvatica	C.G. 25L STD	8-10cm	15m	20m	M
1No.	MAL JOH	Malus "John Downie"	O.G. STD	8-10cm	5m	6m	M
1No.	PLA HIS	Platanus x hispanica	O.G. STD	10-12cm	20m	26m	M
10No.	PRU AMA	Prunus "Amanogawa"	O.G. STD	8-10cm	4m	6m	M
3No.	PRU UMI	Prunus "Umineko"	O.G. STD	8-10cm	5m	8m	M
12No.	PYR CHA	Pyrus calleryana "Chanticleer"	O.G. STD	8-10cm	6m	8m	M
2No.	QUE ILE	Quercus ilex	C.G. 25L STD	10-12cm	20m	16m	H
2No.	QUE ROB	Quercus robur	C.G. 25L STD	10-12cm	25m	20m	H
2No.	SOR LUT	Sorbus aria "Lutescens"	O.G. STD	8-10cm	9m	12m	M
7No.	TIL COR	Tilia cordata	O.G. STD	10-12cm	17m	22m	M

HEAVY STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
2No.	ACE STR+	Acer campestre "Streetwise"	R.B. HVYSTD	12-14cm	6m	8m	M
2No.	PRU AMA+	Prunus "Amanogawa"	R.B. HVYSTD	12-14cm	4m	6m	M
3No.	PYR CHA+	Pyrus calleryana "Chanticleer"	R.B. HVYSTD	12-14cm	6m	8m	M

EXTRA HEAVY STANDARD AND SEMI MATURE TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
1No.	ACE CAM*	Acer campestre	R.B. XHVYSTD	14-16cm	17m	22m	M
16No.	ACE STR*	Acer campestre "Streetwise"	R.B. XHVYSTD	14-16cm	6m	8m	M
4No.	ALN SPA*	Alnus x spaethii	R.B. XHVYSTD	14-16cm	15m	17m	M
3No.	BET FAS*	Betula pendula "Fastigiata Joes"	R.B. XHVYSTD	14-16cm	3m	5m	L
1No.	BET PEN*	Betula pendula	R.B XHVYSTD	14-16cm	7m	14m	L
8No.	CAR BET*	Carpinus betulus	R.B XHVYSTD	14-16cm	9m	17m	L
7No.	CAR FRA*	Carpinus betulus "Frans Fontaine"	R.B XHVYSTD	14-16cm	9m	16m	L
1No.	PRU AMA*	Prunus "Amanogawa"	R.B. XHVYSTD	14-16cm	4m	6m	M
5No.	PRU UMI*	Prunus "Umineko"	R.B XHVYSTD	14-16cm	5m	7m	M
2No.	PYR CHA*	Pyrus calleryana "Chanticleer"	R.B XHVYSTD	14-16cm	6m	8m	M
2No.	SOR LUT*	Sorbus aria "Lutescens"	R.B. XHVYSTD	14-16cm	9m	12m	M
5No.	TIL COR*	Tilia cordata	R.B XHVYSTD	14-16cm	17m	22m	M
3No.	TIL GRE*	Tilia cordata "Greenspire"	R.B XHVYSTD	20-25cm	15m	15m	M

CONIFEROUS TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
1No.	Ced lib	Cedrus libani	C.G. 15L CON	125-150cm	11m	30m	M
1No.	Ile Aqu	Ilex aquifolium	C.G. 45L BLE	150-180cm	6m	12m	L
8No.	Pin nig	Pinus nigra	R.B. CON	250-300cm	7m	20m	M
30No.	Pin syl	Pinus sylvestris	R.B. CON	250-300cm	7m	20m	M
1No.	Seq gig	Sequoiadendron giganteum	C.G. 15L CON	125-150cm	11m	12m	M
14No.	Tax Bac	Taxus baccata	R.B. BLE	125-150cm	5m	12m	M

ORNAMENTAL HEDGE PLANTING

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB
497m		Hedge type 01 Single row				
1491No.	Vib tin	Viburnum tinus "Eve Price"	C.G. 3L	3/m	D	2.25
379m		Hedge type 08 Single row				
1137No.	Euo Aur	Euonymus japonicus "Aureopictus"	C.G. 3L	3/m	C	
19m		Hedge type 14 Single row				
57No.	Lon pil	Lonicera pileata	C.G. 3L	3/m	B	
317m		Hedge type 16 Single row				
951No.	Euo Jea	Euonymus japonicus "Jean Hugues"	C.G. 3L	3/m	B	

NATIVE HEDGE MIXES

QTY	%	PLANT NAME	STOCK	SPACING	SIZE	DFB	MAX HT	W
366m		Native hedge mix 01: double staggered row						
439No.	20%	Corylus avellana	O.G. WHP	6/m	60-90cm	4m	8m	L
659No.	30%	Crataegus monogyna	O.G. WHP	6/m	60-90cm	13m	10m	H
220No.	10%	Rosa canina	O.G. WHP	6/m	60-90cm	2.3m	D	M
220No.	10%	Viburnum opulus	O.G. WHP	6/m	60-90cm	4m	5m	M
220No.	10%	Cornus sanguinea	O.G. WHP	6/m	60-90cm	2.5m	3m	M
37No.	10%	Euonymus europaeus	O.G. WHP	1/m2	60-90cm	6m	8m	M
37No.	10%	Viburnum lantana	B.R. WHP	1/m2		3.8m	E	M
36m		Native hedge mix 02: double staggered row						
43No.	20%	Cornus sanguinea	O.G. WHP	6/m	60-90cm	2.5m	3m	M
43No.	20%	Rosa canina	O.G. WHP	6/m	60-90cm	2m	2m	M
43No.	20%	Viburnum opulus	O.G. WHP	6/m	60-90cm	4m	5m	M
43No.	20%	Corylus avellana	O.G. WHP	6/m	60-90cm	4m	8m	L
43No.	20%	Rosa arvensis	O.G. WHP	6/m	60-90cm	2m	2m	M
25m		Native hedge mix 03: double staggered row						
150No.	100%	Fagus sylvatica	O.G. WHP	6/m	60-90cm	15m	20m	M
240m		Native hedge mix 04: single row						
192No.	20%	Corylus avellana	O.G. WHP	4/m	60-90cm	4m	8m	L
288No.	30%	Crataegus monogyna	O.G. WHP	4/m	60-90cm	13m	10m	H
96No.	10%	Rosa canina	O.G. WHP	4/m	60-90cm	2.3m	D	M
96No.	10%	Viburnum opulus	O.G. WHP	4/m	60-90cm	4m	5m	M
96No.	10%	Cornus sanguinea	O.G. WHP	4/m	60-90cm	2.5m	3m	M
24No.	10%	Prunus spinosa	O.G. WHP	1/m2	60-90cm	6m	8m	M
24No.	10%	Viburnum lantana	B.R. WHP	1/m2		3.8m	E	M

PLANT MIXES

QTY	%	PLANT NAME	STOCK	SPACING	SIZE	DFB	MAX HT	
583m2		SUB CANOPY MIX B (individual species to be planted in groups of 5-10)						
117No.	20%	Crataegus monogyna	O.G. WHP	1/m2	60-90cm	13m	10m	H
58No.	10%	Viburnum opulus	O.G.	1/m2	60-90cm	4m	5m	M
58No.	10%	Rhamnus cathartica	O.G.	1/m2	60-90cm	4m	5m	M
58No.	10%	Sambucus nigra	O.G.	1/m2	60-90cm	4.5m	F	
58No.	10%	Cornus sanguinea	O.G.	1/m2	60-90cm	2.5m	3m	M
58No.	10%	Corylus avellana	O.G.	1/m2	60-90cm	4m	8m	L
58No.	10%	Viburnum lantana	B.R. WHP	1/m2		3.8m	E	
29No.	5%	Pyrus pyraster	C.G. FTH	1/m2	125-150cm	8m	10m	M
29No.	5%	Malus sylvestris	O.G. FTH	1/m2	125-150cm	8m	10m	M
29No.	5%	Prunus spinosa	O.G. FTH	1/m2	125-150cm	6m	8m	M
29No.	5%	Prunus cerasifera	O.G. FTH	1/m2	125-150cm	5m	7m	M
1136m2		CANOPY MIX (species to be planted in groups of 5-10. Feathers to be at 5m intervals)						
227No.	20%	Crataegus monogyna	O.G. WHP	1/m2	60-90cm	13m	10m	H
227No.	20%	Corylus avellana	O.G. WHP	1/m2	60-90cm	4m	8m	L
227No.	20%	Carpinus betulus	O.G. FTH	1/m2	125-150cm	9m	17m	L
114No.	10%	Fagus sylvatica	O.G. FTH	1/m2	125-150cm	15m	20m	M
57No.	5%	Malus sylvestris	O.G. FTH	1/m2	125-150cm	8m	10m	M
57No.	5%	Prunus avium	O.G. FTH	1/m2	125-150cm	13m	17m	M
57No.	5%	Quercus robur	O.G. FTH	1/m2	125-150cm	25m	20m	H
57No.	5%	Tilia cordata	O.G. FTH	1/m2	125-150cm	17m	22m	M
57No.	5%	Acer campestre	O.G. FTH	1/m2	125-150cm	17m	22m	M
57No.	5%	Ilex aquifolium	C.G. 3L	1/m2		6m	12m	L
849m2		NATIVE BUFFER PLANTING MIX A (individual species to be planted in groups of approximately 10)						
85No.	10%	Viburnum opulus	O.G. WHP	1/m2	60-90cm	2.5m	3m	M
85No.	10%	Rosa arvensis	O.G. WHP	1/m2	60-90cm	3m	D	
85No.	10%	Cornus sanguinea	O.G. WHP	1/m2	60-90cm	2.5m	3m	M
85No.	10%	Frangula alnus	O.G. WHP	1/m2	60-90cm	3.8m	E	
85No.	10%	Euonymus europaeus	O.G. WHP	1/m2	60-90cm	6m	8m	M
85No.	10%	Ligustrum vulgare	C.G. 3L	1/m2		2.5m	3.5m	M
85No.	10%	Sambucus nigra	O.G. WHP	1/m2	60-90cm	4.5m	F	
170No.	20%	Corylus avellana	O.G. WHP	1/m2	60-90cm	3m	6m	L
42No.	5%	Ilex aquifolium	C.G. 3L	1/m2		6m	12m	L
42No.	5%	Taxus baccata	C.G. 3L	1/m2		5m	12m	M
128m2		EVERGREEN BUFFER PLANTING MIX A (individual species to be planted in groups of approximately 10)						
26No.	20%	Prunus lusitanica	C.G. 3L	1/m2		6m	F	
26No.	20%	Elaeagnus x ebbingeii	C.G. 3L	1/m2		3m	E	
26No.	20%	Viburnum tinus	C.G. 3L	1/m2		2.3m	D	
26No.	20%	Viburnum x burkwoodii	C.G. 3L	1/m2		2m	D	
13No.	10%	Ligustrum ovalifolium	C.G. 3L	1/m2		3m	E	
13No.	10%	Ilex aquifolium	C.G. 3L	1/m2		6m	12m	L
236m2		BUFFER PLANTING MIX - SEMI NATIVE (individual species to be planted in groups of approximately 10)						
47No.	20%	Spirea arguta	C.G. 3L	1/m2		2m	D	
47No.	20%	Viburnum tinus	C.G. 3L	1/m2		2.25m	D	
35No.	15%	Cornus sanguinea "Midwinter Fire"	C.G. 3L	1/m2			C	
5No.	2%	Ceanothus "Puget Blue"	C.G. 3L	1/m2		2.3m	D	
24No.	10%	Sorbaria aitchisonii	C.G. 3L	1/m2		2.3m	E	
24No.	10%	Philadelphus coronarius "Aureus"	C.G. 3L	1/m2		2.3m	D	
19No.	8%	Viburnum carlesii	C.G. 3L	1/m2		3.8m	E	
35No.	15%	Cornus alba "Sibirca"	C.G. 3L	1/m2		2.5m	3m	M
378m2		BUFFER PLANTING MIX - NATIVE DAMP SOIL (individual species to be planted in groups of approximately 10)						
57No.	15%	Corylus avellana	O.G. WHP	1/m2	60-90cm	4m	8m	L
57No.	15%	Viburnum opulus	O.G. WHP	1/m2	60-90cm	4m	6m	M
75No.	20%	Salix viminalis	O.G. WHP	1/m2	60-90cm	5m	10m	H
38No.	10%	Cornus sanguinea	O.G. WHP	1/m2	60-90cm	2.5m	3m	M
38No.	10%	Cornus sericea "Flaviramea"	O.G. WHP	1/m2	60-90cm	3m	D	
38No.	10%	Rhamnus frangula	O.G. WHP	1/m2	60-90cm	3.8m	E	
38No.	10%	Crataegus monogyna	C.G. WHP	1/m2	60-90cm	13m	10m	H
38No.	10%	Prunus spinosa	O.G. WHP	1/m2	60-90cm3	6m	8m	M
265m2		SEMI-NATIVE SHRUB MIX B (individual species to be planted in groups of approximately 10)						
53No.	20%	Corylus avellana	O.G. WHP	1/m2	60-90cm	4m	8m	L
53No.	20%	Cornus sanguinea	O.G. WHP	1/m2	60-90cm	2.5m	3m	M
53No.	20%	Cornus sericea "Flaviramea"	O.G. WHP	1/m2	60-90cm	3m	D	
53No.	20%	Philadelphus coronarius "Aureus"	C.G. 3L	1/m2		2.3m	D	
54No.	20%	Viburnum tinus	C.G. 3L	1/m2		2.25m	D	

SEED AND PLUG MIXES

82m2 MARGINAL PLUG PLANTING MIX (refer to Vernacular Seeding Specification on plan)
49No.10% Butomus umbellatus plug 6No/m2
49No.10% Mantha aquatica plug 6No/m2
24No. 5% Typha angustifolia plug 6No/m2
49No.10% Iris pseudoacorus plug 6No/m2
24No. 5% Filipendula ulmaria plug 6No/m2
49No. 10% Lythrum salicaria plug 6No/m2
49No.10% Thalictrum flavum plug 6No/m2
49No.10% Myosotis palustris plug 6No/m2
49No.10% Carex riparia plug 6No/m2
49No.10% Caltha palustris plug 6No/m2
49No.10% Lychnis flos-coculi plug 6No/m2

AREA	SEED MIX NAME	
2085m2	Wildflower meadow mix wet	("EM8" Mix by Emorsgate Seeds, refer to Measured Works schedu
7385m2	Amenity grass mix	("EG22" Mix by Emorsgate Seeds, refer to Measured Works schedule).
3721m2	Wildflower meadow mix tussock	("EM10" Mix by Emorsgate Seeds, refer to Measured Works schedule)
1585m2	Wildflower meadow mix	("EM2" Mix by Emorsgate Seeds, refer to Measured Works schedule)
4836m2	Area to be turfed	("Medallion" by Rowlawn Ltd, refer to Measured Works Schedule)

NOTES AND ABBREVIATIONS:

R.B. = Root-balled stock
C.G. = Container grown stock
O.G. = Open ground stock, to be planted Nov 1st - March 1st
FTH = Feathered tree
STD = Standard tree
HVYSTD = Heavy Standard tree
XHVYSTD = Extra Heavy standard tree
BLE = Broad Leaf Evergreen
CON = Conifer
L = Litre container
DFB = "Distance from Buildings" based on minimum building foundation depths
Max Ht = "Maximum Height" of tree
WD = "Water Demand" of tree
SHC = Shrub Height Classification
A = < 600mm mature height
B = 600mm - 1.8m mature height
C = > 1.8m mature height with low water demand and slow growth
D = 1.8m - 3m mature height
E = 3m - 5m mature height
F = >5m mature height
Note: Plants not classified within the JBA SHC are NOT designated as shrubs. JBA understand shrubs to be defined as those plants of perennial habit with woody stems.

-Girth size is given for standard trees, otherwise all sizes refer to height. All sizes are the minimums acceptable.
-Shrubs specified as 3 litre size shall be 400-600mm minimum height and spread and 2 litre stock shall be 300-400mm minimum height and spread. These heights and spreads in relation to pot size are just a guide and the "National Plant Specification" sizes will be accepted (but will be seen as the absolute minimum acceptable). Any shrub supplied which are smaller than this will be rejected at once.
-Cornus varieties shall be twice transplanted and pruned to form bushy rounded plants. Leggy plants with few branches will be rejected, as will leggy plants which have been pruned hard.
-Plants shall be completely hardened off, any plants which show signs of scorching after planting will be rejected.

REFER TO THE ACCOMPANYING MEASURED WORKS SCHEDULE DOCUMENT FOR MORE INFORMATION
CHANGES TO SUPPLIERS/MANUFACTURERS ARE TO BE EQUAL AND APPROVED.
SUBSTITUTIONS TO SHRUB/TREE VARIETIES ARE TO BE AGREED WITH LANDSCAPE ARCHITECT.
DO NOT SCALE FROM THIS DRAWING
ALL DIMENSIONS TO BE CHECKED ON SITE

(C) JAMES BLAKE ASSOCIATES 2021

KEY

- PROPOSED FEATHERED TREE, INCLUDING STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- PROPOSED STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- PROPOSED EXTRA HEAVY STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- PROPOSED CONIFER OR BROAD LEAF EVERGREEN TREE, INCLUDING STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-6, D1-2 AND E1.
- SHRUB AND HERBACEOUS PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). SEE SPECIFICATION NOTES A1-2, B1-3, C1-3, D1-2 AND E1.
- NATIVE WHIP AND SHRUB PLANTING IN MIXES, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION. SEE SPECIFICATION NOTES A1-2, B1-3, C1-3, D1-2 AND E1.
- HEDGE PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). REFER TO HEDGE SCHEDULES ON PLAN AND THE SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1-2, B1-3, B5, C1-3, D1-2 AND E1.
- HEDGE PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION) INCLUDING TIMBER BOARD EDGING TO SEPARATE FROM GRAVEL AREA. REFER TO HEDGE SCHEDULES ON PLAN AND THE SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1-2, B1-3, B5, C1-3, D1-2 AND E1.
- WASHED, ROUNDED, BUFF COLOURED GRAVEL, 20mm GAUGE, 40mm DEPTH, FINISHED LEVEL 15mm BELOW ADJACENT SURFACES, LAID OVER 'COVERTEX' OVER LIGHTLY CONSOLIDATED SUBGRADE.
- CULTIVATED TURFAND SEEDED AMENITY GRASS MIX EM22. SEE SPECIFICATION NOTES B4, C5 AND E1.
- GENERAL WILDFLOWER SEEDED AREA MIX EM2. REFER TO PLANT SCHEDULE FOR SPECIFICATION OF MIX.
- WET WILDFLOWER SEEDED AREA MIX EM8. REFER TO PLANT SCHEDULE FOR SPECIFICATION OF MIX.
- TUSSOCK WILDFLOWER SEEDED AREA MIX EM10. REFER TO PLANT SCHEDULE FOR SPECIFICATION OF MIX.
- GRAVEL/PEBBLE FINISH TO SUDS WITH MARGINAL PLUG PLANTING
- BULB PLANTING IN MIXES, SPRING FLOWERING VARIETIES, REFER TO SCHEDULE FOR FURTHER INFORMATION.
- CLIMBING SHRUB IN SHRUB BEDS, GRASS/ GRAVEL OR IN PITS IN PAVING. (SEE PLAN). TWINING VARIETIES (MARKED'T') SEE NOTE C7. SELF CLIMBING VARIETIES (MARKED'S') SEE NOTE C6. SEE SPECIFICATION NOTES C1-3, C8, D1-2 AND E1.
- SPECIMEN SHRUBS IN SHRUB BEDS OR PIT PLANTED IN GRASS/GRAVEL AREAS. SPECIMEN SHRUBS IN GRASS ARE MEASURED SEPARATELY IN SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1, B1-3, C1-3, D1-2 AND E1.
- EXISTING TREE TO BE RETAINED, SEE GENERAL NOTE A1 AND E1. IF PREPARED, SEE ALSO JAMES BLAKE ASSOCIATES PLAN AND SCHEDULE FOR ANY SURGERY WORKS.
- EXISTING VEGETATION GROUP OR HEDGE TO BE RETAINED, SEE GENERAL NOTE A1 AND E1. IF PREPARED, SEE ALSO JAMES BLAKE ASSOCIATES PLAN AND SCHEDULE FOR ANY SURGERY WORKS.
- EXISTING GRASSLAND TO BE RETAINED AND MANAGED
- EXISTING VEGETATION TO BE RETAINED AND MANAGED (TRIMMED, FACED BACK, ALL DEADWOOD REMOVED), GAPPED UP WITH NATIVE HEDGEROW MIX TO CREATE A MIX 2m WIDE BUFFER.
- AREA OF GRASS TO BE REINFORCED WITH NETLON TURFGUARD XN7005 - 9000 TO MAINTENANCE ACCESS, AVAILABLE FROM TDP TEL:(01629) 820011.
- SAWN SOFTWOOD TIMBER POST WITH KNEERAIL, POST TO BE 450mm HIGH. TO BE ACQ TREATED AND STAINED WITH 2No. COATS OF SADOLIN CLASSIS COLOUR "WALNUT" WITH REMOVABLE RAIL FOR MAINTENANCE.
- 1.2M HIGH SAWN SOFTWOOD TIMBER POST AND THREE BAR RAIL WITH CHICKEN WIRE MESH INFIL NEAR TO SOUTHERN LAP. WOOD TO BE ACQ TREATED AND STAINED WITH 2No. COATS OF SADOLIN CLASSIS COLOUR "WALNUT" WITH REMOVABLE RAIL FOR MAINTENANCE.
- VERTICAL BAR RAILINGS WITH MATCHING GATE, COLOUR 'BLACK', (1.2M HIGH-PARKLAND; 0.9M HIGH RESIDENTIAL FRONTAGES), BY DEVELOPER.
- TIMBER ACOUSTIC FENCE, 3M HIGH, BY DEVELOPER.
- FOOTPATH/CYCLEWAYS WITHIN PUBLIC OPEN SPACE TO BE BITUMEN MACADAM WITH 6mm GAUGE AGGREGATE WEARING COURSE TO BE LAID OVER 20mm GAUGE AGGEGATE BASE COURSE, ALL LAID OVER BASE COURSE OF HARDCORE, ALL DEPTHS TO ENGINEER'S SPECIFICATION, LAID OVER FIRMED SUB-GRADE AND GEOTEXTILE - TERRAM 1000, ALL TO FALLS AND CROSSFALLS, MINIMUM 1:70 AND ALL TO HIGHWAY'S AUTHORITY APPROVAL IF PART OF s38 PACKAGE..
- PRECAST CONCRETE BLOCK EDGING, 50 x 150 x 914mm, flat TOPPED AND LAID FLUSH WITH PAVING. EDGING TO BE BEDDED INTO C:20:P INSITU CONCRETE STRIP FOUNDATION 350 x 300mm, HAUNCHED.
- 6 x TIMBER BOLLARDS WITH REFLECTIVE STRIP, BX17 POINTED - SQUARE. AVAILABLE FROM BROXAP, TEL: 01782564411
- 4 x DROP BOLLARDS. RHINO ROUND STEEL TELESCOPIC BOLLARD, COLOUR "BLACK", 500mm ABOVE GROUND AND 700mm UNDERGROUND, OR SIMILAR AND APPROVED, AVAILABLE FROM BOLLARDS DIRECT, TEL: 03332304837
- INDICATIVE LOCATION AND ALIGNMENT OF TREE ROOT BARRIER SUCH AS GREENBLUE URBAN'S REROOT 2000,CODE RER 210X1.0A, MIN. DEPTH 1000mm, TO BE AGREED. TEL (01580) 830 800 OR SIMILAR AND APPROVED.

PLAY AREA EQUIPMENT INCLUDING SAFETY MATTA SURFACING BY MIRACLE PLAY TEL. 01604 658240, OR SIMILAR AND APPROVED:
- PINE RANGE TODDLER ROCKER SB4132, OR SIMILAR
- PINE RANGE DOUBLE TODDLER SWING MAE-TTS, OR SIMILAR
- PINE RANGE BALANCE SLALOM MAE-BSL, OR SIMILAR
- POLLUX MINI SPINNER SB3046, OR SIMILAR
- RADIATA PINE BALANCE WALK MAE-BW, OR SIMILAR
- RADIATA PINE 200MM STEPPING LOGS MAESL20, OR SIMILAR

PLAY AREA EQUIPMENT INCLUDING SAFETY MATTING SURFACING BY PROLUDIC TEL. 0115 982 3980, OR SIMILAR AND APPROVED:
1. CABLEWAY REF: J511, OR SIMILAR
2. ORIGIN SWING 1 FLAT + 1 CRADLE REF: J490, OR SIMILAR
3. WHEELCHAIR ACCESSIBLE ROUNDABOUT REF: J2409, OR SIMILAR
4. ORIGIN MULTIPLAY UNIT REF: J4938, OR SIMILAR
5. ORIGIN POD SWING REF: J491, OR SIMILAR
6. SPRINGER REF: J858, OR SIMILAR
7. ORIGIN COMBI 4 REF: J4933, OR SIMILAR
8. ORIGIN SUSPENDED RINGS REF: J4910, OR SIMILAR
9. ORIGIN TIGHTROPE WALK REF: J4908, OR SIMILAR
10. ORIGIN BALANCING BEAM x2 REF: J4903, OR SIMILAR
11. ORIGIN SEESAW REF: J4920, OR SIMILAR
12a & b. TALK TUBES REF: J3410A, OR SIMILAR
13. A3 PLAY AREA SIGN REF: UKA3PP, OR SIMILAR

- 2 x FALLEN LOGS
- 14 x PLAY BOULDERS VARIOUS GAUGES 700-1200mm, SAFELY EMBEDDED IN THE GROUND
- PLAY MOUNDS, SEEDED WITH GRASS OR TURFED
- 3 x METAL LITTER BINS WITH LID SUCH AS SB5084. AVAILABLE FROM MIRACLE DESIGN AND PLAY, TEL: 01604 658240, OR SIMILAR AND APPROVED
- 4 x BENCHES WITH BACKREST SUCH AS SB5057. AVAILABLE FROM MIRACLE DESIGN AND PLAY, TEL: 01604 658240, OR SIMILAR AND APPROVED

ANIMAL SHELTERS - AVAILABLE FROM NHBS TEL. 01803 865913

- 16No. SCHWEGLER WOODCRETE BATBOX TYPE 2F - DFP, REFER TO BATBOX INSTALLATION INSTRUCTIONS BY MANUFACTURER.
- B1 — 5No. SPARROW TERRACE, FSC NEST BOX, #201458, REFER TO INSTALLATION INSTRUCTIONS BY MANUFACTURER.
- B2 — 5No. WOODSTONE SWIFT NEST BOX, #217160, REFER TO INSTALLATION INSTRUCTIONS BY MANUFACTURER.
- B3 — 5No. VIVARA PRO STARLING WOODSTONE NEST BOX, #210682, REFER TO INSTALLATION INSTRUCTIONS BY MANUFACTURER.
- B4 — 2No. KESTREL OPEN NEST BOX, #218279, REFER TO INSTALLATION INSTRUCTIONS BY MANUFACTURER.
- B5 — 3No. VIVARA PRO WOODSTONE TAWNY OWL NEST BOX, #238631, REFER TO INSTALLATION INSTRUCTIONS BY MANUFACTURER.
- 4No. LOG PILES, REFER TO ECOLOGIST'S RECOMMENDATIONS AND REPORT.
- 3m, 6m AND 10m OFFSETS FROM THE EDGE OF THE ATTENUATION BASIN, AS PER "PLANTING DISTANCES FROM CENTRE LINE OF WATER MAIN OR SEWER" BY SOUTHERN WATER.
- CALCULATED ZONE OF TREE ROOT INFLUENCE AS PER NHBC GUIDANCE.

LANDSCAPE PROGRAMMING

DUE TO NATIONAL PLANT SHORTAGE: PLANTS MAY TAKE UP TO 4 WEEKS TO BE DELIVERED. EARLY LEAD-IN FOR SOFT LANDSCAPE IS ESSENTIAL.

REV.	DATE	INITIALS	DETAILS
K	05.07.21	PB	AMENDED TO LPA COMMENTS DATED 01.07.2021
J	21.06.21	PB	AMENDED TO LATEST DRAINAGE LAYOUT
I	14.05.21	PB	AMENDED TO PARISH COUNCIL'S COMMENTS
H	15.04.21	PB	AMENDED TO LATEST CULVERT LAYOUT, ACOUSTIC FENCE AND LPA COMMENTS RELATING TO FOOD ZONE
G	26.11.20	PB	AMENDED TO NEW LAYOUT RECEIVED 25.11.20
F	19.11.20	PB	AMENDED TO NEW LAYOUT RECEIVED 13.10.20 AND LPA COMMENTS 12-19.11.2020
E	20.10.20	PB	AMENDED TO NEW LAYOUT RECEIVED 16.10.20 AND LPA COMMENTS 28.08.2020
D	03.07.20	PB	AMENDED TO NEW LAYOUT RECEIVED 02.07.20
C	24.06.20	PB	AMENDED TO NEW LAYOUT RECEIVED 15.06.20
B	21.05.20	EM	AMENDED TO NEW LAYOUT RECEIVED 20.05.20
A	20.05.20	EM	AMENDED TO NEW LAYOUT RECEIVED 13.05.20

CLIENT: BDW HOMES SOUTHERN COUNTIES
DWG. TITLE: DETAILED SOFT LANDSCAPE PROPOSLAS FOR PLOTS AND HARD AND SOFT LANDSCAPE PROPOSALS FOR POS
SITE: ANGMERING
PURPOSE OF ISSUE: PLANNING

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO. PLN-1-5008	REV.
CT/EZ	JBA	JBA	1:250@A1	APRIL 2020	JBA 19/283-08	K

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LANDSCAPE ARCHITECTURE o ARBORICULTURE o ECOLOGY

Paulina Blasiak - 21/06/2021 - \\JBA-FILES-01\NewStructure\JBA\Client Projects\BDW Southern Counties\19 283 MD Water Lane, Angmering, West Sussex\Drawings\JBA\Master\JBA 19-283 Angmering detailed plots and POS Rev K.dwg