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 nurser paint. The junction between convex and concave curves shall be cut to form a smooth and even flowing line. Beds shall all setting out conforms to the requirements of BS 4428:1989. Any alterations 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 1.5metre wide, except where there is insufficient space, due to the constraints of the site, with retaining walls, steps, paths and kerbing between walls/ fences and path edgings, ensure that the bed has space free from concrete footings before planting. If the bed is swaled with concrete, then the landscape contractor shall contact the site manager or landscape architect to determine if footings are excessive and can be reduced. If the beds within confined spaces or kerb edges are not checked by the inspecting landscape architect and where the width is not as shown, 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 operation, 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 sprayable sheet mulch. Spray when weeds are growing actively. 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 only when rainfall is not imminent. Any inappropriate spraying 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 is suitable for use: Remove all debris from mound, to a depth of 50m (Excepting concrete, oil, rocks, wire, brick, and have less than 2% clay. Allow for pre-application of herbicide as above. Fertilise with 150g per meter square of Vitax 'Nutricote 180' slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 3 meters in width, form over thoroughly by machine rotovate soil to a depth of 300mm, ensure that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 3m metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or ripper at 500m centres to a depth of 300mm, except where any services, or within 10 meters of tree stems or 3 meters of existing hedges. Do not rip areas where roots greater than 50m 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 40mm below adjacent grass or paved surfaces, 150m below where specified. Fertile get mulch is not specified, within 400m of beds, to ensure that any excess stone/rubble are removed from the site. Proposed finished soil level shall be flush (maximum 25m 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 prepare soil to the correct levels. 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 400m of the edges of the bed. This is to allow for sheet bark mulch and new or wood chip mulch to be laid which does not spill out on to pavements, and also to allow rain 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 levels, up to 15m below, to allow for the turf to be laid without spillage on pavements to soft areas. Soil of grass areas should therefore never be proud of paved areas. Soil levels more than 10 m below pavement edges will cause mower damage on cutting.

5. Imported topsoil (where specified and sanctioned by the engineer) for planting shall conform to BS 3882:1994 Clause 6.2 and be free from rocks over 50mm diameter, stones, 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 turfing, seeding, and standard trees, shrubs 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 plant which does not conform to the specification, the plant 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. I.E. pots are 9cm diameter and 13cm deep), or greater than 9cm ground cover). Shall be 400-600mm high unless specified or otherwise agreed for the nursery by the RHA National Plant Specification and be bushy, healthy, disease free stock, not pot bound, leggy or spindly. There should be a minimum of 3 breaks per shrub. This specification is the minimum standard required and any stock falling below this standard on the site, including that rejected by the 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 shall be true to the species, variety and size as specified on the planting plan, to include 1.5m chestnut stake 100m above ground and 100mm below ground and 1No. soaker/pipe tie with spacing device positioned 25mm maximum from the top of the post.

5. Turf to be of cultivated grade such as Cowlam 'Revalition', 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. Soil clinging to climbing shrubs or wall shrubs, with turf drawn after the climber have shall be trained by 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 on at 250m from ground level and 1No. 250m from top of the wall/fence, with 1No. in the middle. Secure the climbing shrub to the wall/fence by the wire with plastic coated garden wire tags.

7. Training varieties of climber, with 'Y' shaped stems to the climber's nave (in specially prepared pits or general shrub beds) shall be trained to wall/fences by mounting ready-made trellis panels to the wall/fence with 1No. 50m x 50m fixing screw for climber to the wire restricted. Include for adapting any panels for locations where walls or fences are lower than 1.8m. Fix trellis panels to the wall/fences using non rusting screws 50mm long - to be approved), incorporating 50m cube wood spacing blocks to ensure that the panel is installed to allow for free flow of air between the finishing of climber and wall/fence. Ensure that all timbework is pressure impregnated with a non phyto-toxic preservative and then painted with a dark brown non phyto-toxic 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 450m x 450m and 450m. 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 to good all structures and surfaces adjacent to the pit. Apply 25g (2 fertilizer 'Nutricote 180' slow release fertilizer. Water with 15 litres of water per climber pit.

D) Mulch

1. When specified by the additional specification notes, prior to sheet mulching and spreading of bark chippings over planting beds previously cultivated, ground one fertilised topsoil before planting, and dig down with Weedstop peas at a minimum of 300m centres, 150m at edges and beds less than 1m wide. Pegging this down is essential to prevent flaps of sheet material from exposed. Refer to the specification for Weedstop Biobarrier sheet mulch on plan.

2. Following planting supply and spread evenly, Melcourt Industries 'Rustic Biomulch' to a depth of 50m. (75mm if no sheet mulch specified), over all planted areas. Finished mulch level shall be no higher than 10m below adjacent paved areas and kerbs, and 25mm below adjacent grass areas. Where BS, no substitution of mulch type will be acceptable. It is essential to have a non-fine, large particled, brown wood chip to reduce wind erosion, reduce wind blow and prevent rapid break down.

E) BS codes

1. All workmanship and materials shall conform to the following codes:- All General landscape operations (excluding hard surfaces) BS 4428:1989.
BS Trees: cpo relation to construction- BS 3998:1989 and BS 5cm 1990 - BS 3936-1992 and recommendations for tree works (unless otherwise specified, Arboriculture) Association - "Standard Conditions of Contract and Specifications of Tree Works 1996. Nursery stock in accordance with latest horticultural trade association "National Plant Specification 2001". Specification for trees and shrubs. BS 3936-1 1992 Nursery stock- Specification for roses / AMD 6628. BS 3936-4 : 1984 Nursery stock- Specification for forest trees. BS 3936-5 : 1985 Nursery stock- Specification for conifers and willows. BS 3936-6 : 1990 Nursery stock- Specification for bulbs, corms and tubers. BS 3936-7 : 1990 Nursery stock- Specification for seed and spore. BS 7370-1:1991 Grounds maintenance - Code of practice for Establishment. Recommendations for topsoil and topsoiling, and establishing landscape plants 1996, Part 3, paragraphs 6.2 to 6.5.
BS Signsays for Landscape Works BS 7979 Pt 8 1996.
BS turf - BS 3969:1998- recommendations for turf for general purposes.
BS Seeding/turfing operations - Code of practice for seeding and turfing.
BS Seeds - Specification for purity and germination regulations. When requested, submit an official seed testing Station Certificate of germination, purity and composition.
BS Topsoil - BS 3882:2007.
All Pesticides Control of Pesticides Regulations 1997, the Health and Safety at Work Act 1974, the COSHH Regulation 2002, the groundwater Regulations 1998, Control of Pesticides Regulations 1986, Food and Environment Protection Act 1985, Wildlife and Countryside Act 1981.

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 5837:2005 to ensure no damage to stems or roots, to prevent compaction from vehicles or storage of materials, contamination of soil from spillages, scorching of trees and installation or removal of services through root zones. The landscape contractor is not responsible for ensuring that neither plant materials or labour are guilty of any damage to existing trees, and like the employer, the landscape contractor shall replace at once any tree damaged or lost, supplying and planting a tree of similar species and size at his own cost. Suitable protective measures shall be chestnut paling, fixed firmly to a rigid timber or scaffolding frame, positioned no closer to the trunk than the drip line of the tree's canopy.

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 installing the ground marker to spread topsoil of 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 350m.
Grass areas 150m.
Allow for excavation of 415m of the subgrade for shrub beds to leave beds 65m below finished pavement or grass areas in order to receive sheet and bark mulch. Where beds where sheet mulch is not to be used, allow 350m for bark mulch. Ensure the landscape contractor has soil to be spread for grass areas flush with any areas of paving and after settlement, the soil level should be no greater than 10m below paved areas to allow for turf. For areas to be grass seeded, the soil level shall be flush with finished pavement or grass areas. Settlement will 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, be free from compaction, rocks/bricks greater than 50m diameter, concrete, wire roots, debris, oil, cement and builders rubbish. It shall have a clay content of less than 20%.

C) Hardworks

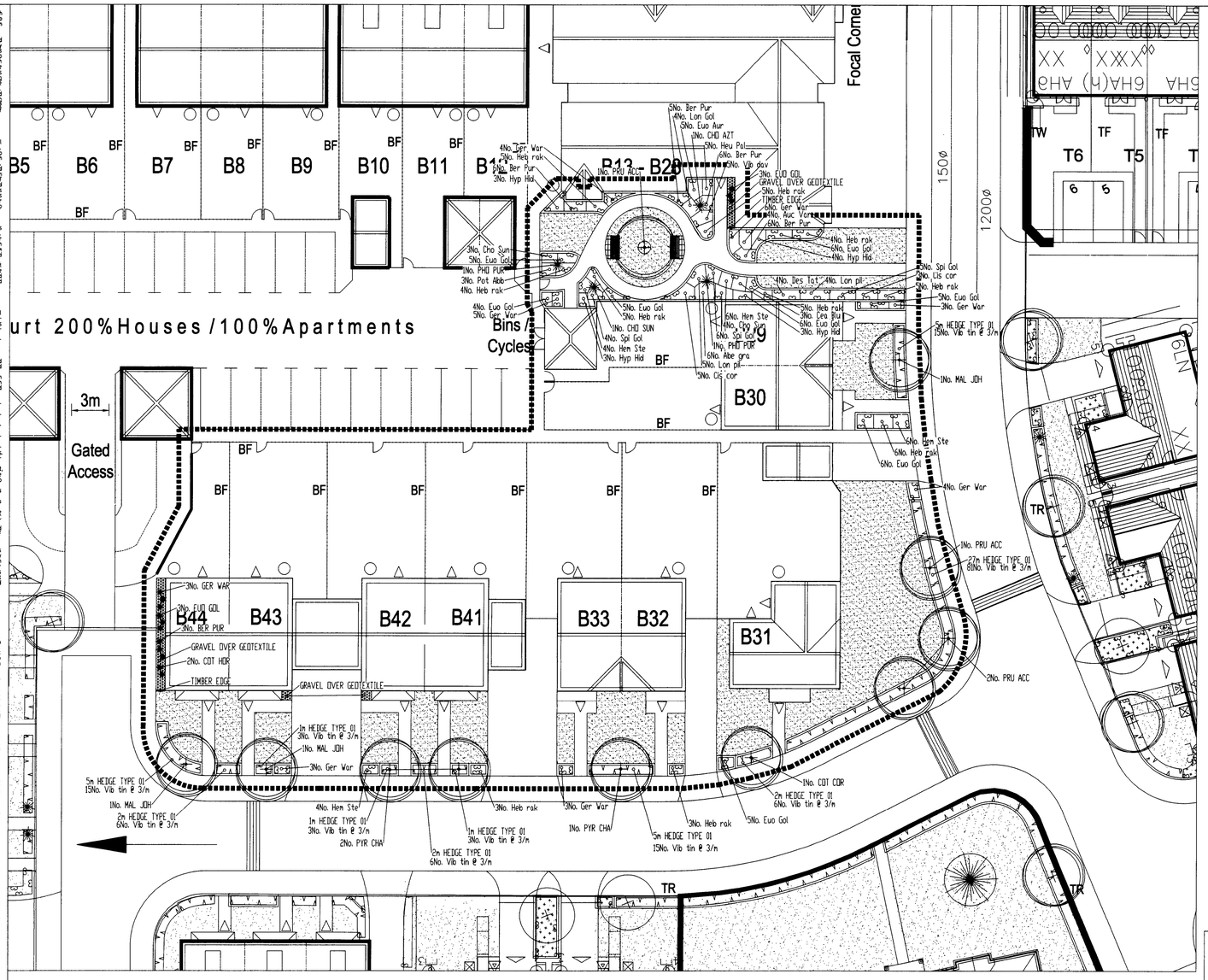
1. Hard works, unless otherwise agreed, shall be carried out by the developer or main contractor, and all materials and workmanship shall be in accordance with the construction details and the layout plan.

2. All paths and edgings shall be set out accurately 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 to the following depths, and to the specifications set out below. Where the indicative depths of base courses are minimum depths, assuming suitable substrate conditions.

4. All metalwork shall be finished hot dipped galvanised in accordance with BS EN 1461:1999. Hot galvanizer shall be responsible for the work being properly executed in accordance with the rules of galvanizing practice of the Galvanizers Association. The galvanizing contractor shall prepare the galvanized surface by washing with detergent and water and scrubbing with a scouring pad until all dirt, grease, white rust & lubricants have been removed & then allowed to dry thoroughly. Select and paint (cross reference to Dulux Trade, British Steel or Corus literature) with a primer coat followed by 1 undercoat & 1 gloss coat 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 dew point. Any damage to the paint finish to be touched up to the satisfaction of the inspecting landscape architect. Any defects found, 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 and renewed every 5 years, or the approved equivalent. Timber shall be pressure impregnated with a non phyto-toxic preservative and then painted with a dark brown non phyto-toxic preservative wood stain such as Sadolin 'Classic' walnut or similar and approved. Ensure



KEY

- PROPOSED STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- PROPOSED STANDARD TREE IN GRASS AREAS, INCLUDING DOUBLE STAKE AND TIE & CIRCULAR RECESSED BARK PIT 500Ø. SEE SPECIFICATION NOTES A1, B2-3, B5-6, 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.
- 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.
- WASHED, ROUNDED, BUFF COLOURED GRAVEL, 20mm GAUGE, 40mm DEPTH, FINISHED LEVEL 15mm BELOW ADJACENT SURFACES, LAID OVER 'COVERTEX' OVER LIGHTLY CONSOLIDATED SUBGRADE.
- CULTIVATED TURF UNLESS OTHERWISE STATED ON PLAN. SEE SPECIFICATION NOTES B4, C5 AND E1.
- SPECIMEN SHRUBS IN SHRUB BEDS OR PIT PLANTED IN GRASS/GRAVEL AREAS. SPECIMEN SHRUBS IN GRASS ARE MARKED SEPARATELY IN SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1, B1-3, C1-3, D1-2 AND E1.
- CRANSLEY METAL SEAT-CODE 6120-062. (AVAIABLE FROM WICKSTEED LEISURE TEL. 01536 517028) ON CONCRETE SLAB PAVING (AVAILABLE FROM CHARCON TEL: 01335 372222 OR SIMILAR.)
- CONCRETE SLAB PAVING TO BE "APPALACHIAN". 400 x 400 x 50mm. COLOUR "GREY", TEXTURED FINISH. AVAILABLE FROM CHARCON TEL: 01335 372222 OR SIMILAR.

NOTE
SEE SEPARATE EXTERNAL LAYOUT DRAWINGS (BY DEVELOPER) FOR SPECIFICATIONS AND ARRANGEMENT OF FENCING AND OTHER HARD WORKS

INDICATIVE SCHEDULE OF PLANTS

SHRUBS

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC DFB
6No.	Abe gra	Abelia x grandiflora	C.G.	3L 3/m2	C
4No.	Auc Var	Aucuba japonica 'Variegata'	C.G.	3L 3/m2	C
23No.	Ber Pur	Bergenia cordifolia 'Purpurea'	C.G.	3L 5/m2	-
3No.	Ceo Blu	Ceanothus 'Blue Mound'	C.G.	3L 3/m2	B
7No.	Cho Sun	Choisya ternata 'Sundance'	C.G.	5L 3/m2	C
8No.	Cis cor	Cistus x corbariensis	C.G.	3L 3/m2	B
5No.	Euo Aur	Euonymus japonicus 'Ovatus Aureus'	C.G.	3L 3/m2	C
42No.	Euo Gol	Euonymus fortunei 'Emerald 'n' Gold'	C.G.	2L 5/m2	A
28No.	Ger War	Geranium x oxonianum 'Wargrave Pink'	C.G.	2L 5/m2	-
45No.	Heb rak	Hebe rakiensis	C.G.	3L 4/m2	B
20No.	Hem Ste	Hemerocallis 'Stella d'Oro'	C.G.	2L 5/m2	-
5No.	Heu Pal	Heuchera 'Palace Purple'	C.G.	2L 5/m2	-
13No.	Hyp Hid	Hypericum 'Hidcote'	C.G.	3L 3/m2	B
4No.	Lon Gol	Lonicera nitida 'Baggesen's Gold'	C.G.	3L 3/m2	B
9No.	Lon pil	Lonicera pileata	C.G.	2L 3/m2	B
3No.	Pot Abb	Potentilla fruticosa 'Abbotswood'	C.G.	2L 3/m2	B
15No.	Spi Gol	Spirea japonica 'Goldmound'	C.G.	3L 3/m2	B
5No.	Vib dav	Viburnum davidii	C.G.	3L 3/m2	B

GRASSES AND SEDGES

QTY	CODE	PLANT NAME	STOCK	SPACING
10No.	Des Tat	Deschampsia flexuosa 'Tatra Gold'	C.G.	3L 3/m2

SPECIMENS PLANTED IN BEDS, GRASS OR GRAVEL

QTY	CODE	PLANT NAME	STOCK	SHC DFB
1No.	BER PUR	Bergenia cordifolia 'Purpurea'	C.G. 3L	-
1No.	CHO AZT	Choisya ternata 'Aztec Pearl'	C.G. 10L	C
1No.	CHO SUN	Choisya ternata 'Sundance'	C.G. 10L	C
2No.	COT HER	Cotoneaster horizontalis 'Robusta'	C.G. 3L	B
6No.	EUO GOL	Euonymus fortunei 'Emerald 'n' Gold'	C.G. 3L	A
3No.	GER WAR	Geranium endressi 'Wargrave Pink'	C.G. 3L	-
2No.	PHO PUR	Phormium tenax 'Purpureum'	C.G. 10L	-

STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	Ht	WD
1No.	COT COR	Cotoneaster 'Cornubia'	C.G. 45L	STD 10-12cm	4m	5m	M	
3No.	MAL JOH	Malus 'John Bownie'	D.G.	STD 8-10cm	5m	6m	M	
1No.	PRU ACC	Prunus 'Accolade'	C.G.	STD 8-10cm	7m	9m	M	
3No.	PYR CHA	Pyrus calleryana 'Chanticleer'	D.G.	STD 8-10cm	6m	9m	M	

ORNAMENTAL HEDGE PLANTING

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB
51m		Hedge type 01 Single row				
153No.	Vib tin	Viburnum tinus 'Eve Price'	C.G. 3L	3/m	D	2.25

SEED MIXES

AREA SEED MIX NAME
378m2 Area to be turfed ('Medallion' by Rowlawn Ltd, refer to Measured Works Schedule)

NOTES AND ABBREVIATIONS:

C.G. = Container grown stock
D.G. = Open ground stock, to be planted Nov 1st - March 1st
STD = Standard tree
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 with woody stems.

-Girth size is given for standard trees, otherwise all sizes refer to height. All sizes are the minimums acceptable.
-Shrub sizes specified in 2 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 back.
-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 JAMES BLAKE ASSOCIATES.
DO NOT SCALE FROM THIS DRAWING
ALL DIMENSIONS TO BE CHECKED ON SITE

(C) JAMES BLAKE ASSOCIATES 2008

GENERAL NOTES

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

(C) JAMES BLAKE ASSOCIATES 2008

PLANNING
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10 JUN 2009

HEALTH AND SAFETY RISK ASSESSMENT

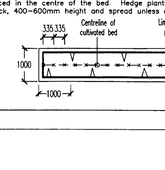
This Risk Assessment has 2 purposes:
1. To identify any significant hazards related to design work by James Blake Associates. A significant hazard being defined as a foreseeable hazard which is not likely to be obvious to a competent contractor or other designer or unusual or difficult to remedy. This is to accord with Regulation 13 (Requirements of the Designer) of the CDM Regulations 2007.
2. To identify some potential hazards which though not related to design work by James Blake Associates, may be more apparent to a Landscape/Horticultural Consultant than others. The following list is not exhaustive and 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	HAZARD/RISK
EXCAVATION,CONSTRUCTION, COMPACTION AND SOIL PREPARATION NEAR EXISTING TREES WITH IN AND OFF THE SITE	HAZARD TO SAFETY OF WORKERS, USERS OF ADJACENT LAND AND FUTURE USERS OF THE SITE BY DAMAGED TREES
WORKING NEAR OR ADJACENT TO OVERHEAD/UNDERGROUND SERVICES	DAMAGE TO SERVICES AND HAZARD TO SAFETY OF OPERATIVES
NATIVE HEDGES, POISONOUS AND THORNY PLANTS IN PROXIMITY TO PATHS AND ENTRANCES	HAZARD TO SAFETY OF PEDESTRIANS
USE OF PESTICIDES, HERBICIDES AND FERTILIZERS	HAZARD TO SAFETY OF OPERATIVES, GENERAL PUBLIC AND THEIR PETS
USE OF LOOSE MATERIALS SUCH AS GRAVEL AND BARK MULCH ADJACENT TO PATHS AND ROADS	HAZARD TO USERS OF THE SITE IF BLOWN OF DISPLACED ON TO ROADS OR PATHS. IT COULD BECOME A POTENTIAL SKID HAZARD IN WET CONDITIONS
WORKING ON OR ADJACENT TO THE HIGHWAY	HAZARD TO SAFETY OF WORKERS AND HIGHWAY USERS

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

SPECIFICATION FOR HEDGE PLANTING

SPECIFICATION FOR ORNAMENTAL HEDGE PLANTING - LARGE GROWING SPECIESe.g. Osmanthus heterophyllus, Ligustrum ovalifolium, Viburnum tinus, Cotoneaster lacteus, Eucanymus japonicus 'Aureopictus', Escallonia 'Iveyi', Berberis 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 2L container grown stock, 400-600mm height and spread unless otherwise stated.

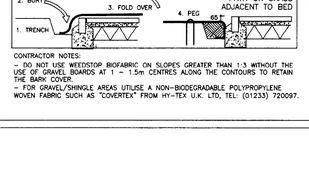


SPECIFICATION FOR "BIOFABRIC" A BIODEGRADEABLE SHEET MULCH FOR PLANTING

INTRODUCTION
"Weedstop Biofabric" is a woven, natural fibre, biodegradable fabric of sufficient strength to last 1 to 2 growing seasons and to ensure weed suppression and successful plant establishment. Shall water porous product helps the ground stay moist and weed free, speeding plant growth and establishment greatly. This product is available from Weedstop Ltd. Church View, Kettlebaston, Ipswich, Suffolk, IP7 7QA Fax: (01449) 743744.

SPECIFICATION
1. Prepare and Cultivate imported or existing topsoil including fertilizers as necessary and water to field capacity.
N.B. Ensure that the finishedi soil level is at least 65mm below adjacent pavement or grass levels to receive sheet mulch. For sloping beds ensure that soil levels are 65mm below pavements or grass areas within 600mm of bed edges.
2. Place 'Weedstop Biofabric' sheet mulch over soil to be planted. Unroll materials, placing in overlapping rows (overlap to be no less than 50mm).
3. Bury 200mm flap of material at the extreme edges of the planting bed, or nail to concrete haunch of path edging with masonary nails ❶ 1m centres
4. Secure material in position by hammering in 300mm metal pegs at 500mm centres. (300mm centres ❶ edges of beds) Metal hoops for pegging purposes are available from Weedstop Ltd.
5. Place plants on beds in intended positions.
6. Cut the fabric with sissors in "+" shape for each plant position, 400mm across.
7. Pit plant the specimens, holding back the flaps of fabric, and carefully replace around the stem. Spread topsoil under sheet if friable. Remove all compacted topsoil clods from site, ensure no soil is left on top of sheet.
8. Once all the plants are planted, cover the fabric all over with 50mm of Melcourt Industries "Rustic Biomulch".
9. Finally, water the bed thoroughly to field capacity. (Ensure that each plant receives 2 gallons of water if the soil is dry or in warm weather conditions, otherwise apply 25L/m2.

INSET:- LAYING SHEET MULCH FOR PLANTED AREAS



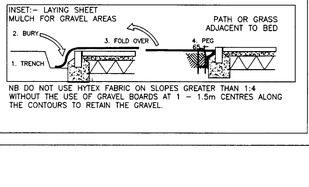
CONTRACTOR NOTES:
– DO NOT USE WEEDSTOP BIOFABRIC ON SLOPES GREATER THAN 1:3 WITHOUT THE USE OF GRAVEL BOARDS AT 1 – 1.5m CENTRES ALONG THE CONTOURS TO RETAIN THE BARK COVER.
– FOR GRAVEL/SHINGLE AREAS UTILISE A NON-BIODEGRADABLE POLYPROPYLENE WOVEN FABRIC SUCH AS "COVERTEX" FROM HY-TEX U.K. LTD, TEL: (01233) 720097.

SPECIFICATION FOR "COVERTEX" SHEET MULCH FOR GRAVEL AREAS

INTRODUCTION
"COVERTEX" is a woven black polypropelene fabric, 102g/m2 which is manufactured in Ultraviolet resistant (black) form. This product is available from Hy-Tex U.K. Ltd., PO Box 97, Adlington, Ashford, Kent, TN25 7EX. Telephone (01233) 720097.

SPECIFICATION
1. Prepare ground to ensure it is even and firm. For any planted or seeded patches and areas the soil shall be lightling and evenly cultivated until friable.
N.B. Ensure that the finished soil level is even at least 55mm below adjacent pavement or grass levels to receive sheet mulch and gravel. For sloping beds ensure that soil levels are 55mm below pavements or grass areas within 600mm of bed edges, the remainder can slope.
2. Place "Covertex" sheet mulch over soil to be planted. Unroll materials, placing in overlapping rows (overlap to be no less than 50mm).
3. Bury 200mm flap of material (from the back – see diagram below) at the extreme edge of the planting bed, or nail to concrete haunch of path edging with masonary nails ❶ 1m centres
4. Secure material in position by hammering in 300mm metal pegs at 500mm centres. (300mm centres ❶ non buried edges) Metal hoops for pegging purposes are available from Hytex Ltd.
5. Place any specimen plants on beds in intended positions.
6. Cut the fabric with sissors in "+" shape for each plant position, 400mm across.
7. Pit plant the specimen plants, holding back the flaps of fabric, and carefully replace around the stem. Spread topsoil under sheet if friable. Remove all compacted topsoil clods from site, ensure no soil is left on top of sheet.
8. Once all the plants are planted, cover the fabric all over with 40mm of clean, washed, cream/buff coloured gravel, 20mm guage.
9. Finally, water the plants thoroughly ensuring that each plant receives 2 gallons of water if the soil is dry or in warm weather conditions, otherwise apply 25L/m2.

INSET:- LAYING SHEET MULCH FOR GRAVEL AREAS

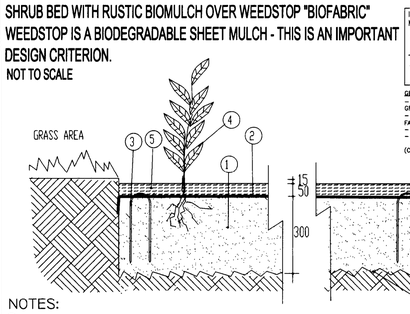


NB DO NOT USE HYTEX FABRIC ON SLOPES GREATER THAN 1:4 WITHOUT THE USE OF GRAVEL BOARDS AT 1 – 1.5m CENTRES ALONG THE CONTOURS TO RETAIN THE GRAVEL.

SHRUB BED WITH RUSTIC BIOMULCH OVER WEEDSTOP "BIOFABRIC"

WEEDSTOP IS A BIODEGRADABLE SHEET MULCH - THIS IS AN IMPORTANT DESIGN CRITERION.

NOT TO SCALE



NOTES:

1. EXISTING TOPSOIL TO BE RESTORATED TO A DEPTH OF 300m 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. WEEDSTOP "BIOFABRIC" IS A WOVEN, NATURAL FIBRE, BIODEGRADABLE FABRIC OR SIMILAR AVAILABLE FROM WEEDSTOP LTD, CHURCHVIEW, KETTLEBASTON, IPSWICH, SUFFOLK, IP7 7QA, FAX (01449) 743744. 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 AREAS AND FOLDING OVER ITSELF (REFER TO INSET ON WEEDSTOP SPECIFICATION). TUCK IN SHEET ON THE OPPOSITE SIDE OF THE PREPOSED SHRUB AREA AND FASTEN CLOSE TO TUCKED IN PART WITH METAL 'HOOP' OR WOODEN PEG.
3. WEEDSTOP METAL HOOPS OR 300m WOODEN PEGS (ACCORDING TO GROUND CONDITIONS) HAMMERED IN AT 500m CENTRES TO SECURE SHEETING. AVAILABLE FROM WEEDSTOP LTD. INCREASE FREQUENCY TO 300m 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. 'RUSTIC BIOMULCH' AVAILABLE FROM MELCOURT INDUSTRIES. TEL: (01666) 510731. MULCH TO COVER ALL OF SHEET MULCH TO A MIN. DEPTH OF 50m. ONCE ALL PLANTS ARE PLANTED. ENSURE FINISHED LEVELS ARE 15m BELOW ADJACENT TURF OR HARD SURFACES. 'RUSTIC BIOMULCH' IS A LARGE PARTICLE, NO FINES WOOD CHIP OF BARK BROWN COLOUR.

PIT PLANTING THROUGH SHEET MULCH SPECIFICATION
A) PLACE PLANTS AS SHOWN ON SHEET IN ENTIRELY POSITIONS
B) CUT 'H' SHAPE IN TO THE FABRIC WITH SCISSORS OR SHARP KNIFE FOR EACH PLANT POSITION. EACH CUT TO BE APPROXIMATELY 300m – 500m DEPENDING ON THE SIZE OF THE SHRUB.
C) FOLD BACK THE FABRIC USING STONES ETC AND EXCAVATE PITS OF APPROPRIATE SIZE. FOR EXAMPLE–
-250m DEPTH AND 300m RADIUS OF STEM, FOR PLANTS SPECIFIED IN 3L CONTAINERS.
-300m DEPTH AND 250m RADIUS OF STEM, FOR PLANTS SPECIFIED IN 2L 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 25g OF FISONS