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 lute between, or with site marker paint. The junction between curves and concave curves shall be cut to form a smooth and even flowing line. Check that all setting out conforms to the plan before cultivating 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 1.5mtre wide, except where there is insufficient space, due to the constraints of walls and path edgings, and their foundations. Within 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 inform the landscape architect/ 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 then to the specified width at his own expense.

B) Ground preparation

1. Pre-planting herbicide application - Apply by suitable spraying apparatus, 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 vegetable/tree 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 mulched, spray after one month following cultivation, to allow dormant weeds to germinate). Spraying shall be carried out by skilled and certified operatives, using protective clothing, in suitable weather (no wind) and any damage caused by spray drift, from incorrect dosage or spilling, 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 3882:2007, specification for topsoil. Remove all rubble, concrete, all roots, wire, bricks and have less than 0.02 clay. Allow for pre-application of herbicide as above. Fertilise with 120g per meter square of Vitax "Nutricote 180" slow release fertiliser, in accordance with the manufacturer's instructions. For beds less than 3 meters in width, fork over thoroughly or machine rotovate soil to a depth of 300mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 3 meters in width, the subgrade and topsoil using tractor mounted subsoiler or ripper at 500mm centres to a depth of 300mm,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 surface, free from undulations or sharp surfaces (10mm below adjacent paved surfaces) unless specified otherwise, 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 then to the specified width at his own expense.

4. Proposed large, feathered or standard trees to be true to the species, variety and size as specified on the planting plan to include 1.0m chestnut stake 600mm above ground and 1200mm below ground and 1No. hessian tie with spacing device positioned 20mm 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" grade offset head climber cane, shall be trained to the wall/fence with heavy duty, plastic coated garden wire. Training wires shall be attached vertically 0m 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 fittings. Train the climber to the wire with plastic coated garden wire tags.

7. Training varieties of climber and "F" grown after the climber's cane (in specially prepared pits or ground), 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, screw fixings 100mm long to be approved by the project architect. Drill holes where necessary to ensure that the panel is mounted sufficiently far from the wall/ fence to allow taking of stems. Ensure that all timber 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 450mm 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 services, and make good all structures and surfaces disturbed. Fertilise with 50g of Vitax "Nutricote 180" slow release fertilizer granules with 15 litres of water per climber pit.

D) Mulch

1. When specified by the additional specification notes on this plan, supply and spread agrotextile "Weedstop Biofabric" biodegradable sheet mulch over planting beds, previously, cultivated, graded and fertilized topsoil before planting, and peg down with wooden pegs, at a minimum of 10No. Weedstop pegs per 1 sq.m. Ensure beds are moist then. In wide fingling this density is essential to prevent flaps of material becoming exposed. Refer to the specification for "Weedstop Biofabric" sheet mulch on plan.

2. Following planting supply and spread evenly, Melcourt Industries "Rustic Biomulch" to a depth of 50mm, 175m³ if no sheet mulch specified, over all planted areas. Finished mulch levels shall be no higher than 15mm below paved surfaces, to avoid spillage when rain only occurs and no higher than 25mm above grass areas. Mulch shall be acceptable. It is essential to have a non-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: General landscape operations (excluding hard surfaces) BS 4428:1989

2) Trees in relation to construction- BS 5837: 2012 and BS 5349:1998.

3) BS 3998:2010 Recommendations for tree works (unless otherwise specified) Arboricultural Association - Standard Conditions of Contract

4) Specifications of Tree Works 1996.

5) Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2001".

6) Plant Protection

BS 3936-1:1992 Nursery Stock - Specification for trees and shrubs.

BS 3936-2 : 1990 Nursery Stock- Specification for roses

BS 3936-4 : 1984 Nursery stock- Specification for forest trees.

BS 3936-5 : 1985 Nursery stock- Specification for conifers and willows.

BS 3936-9 : 1990 Nursery stock- Specification for bulbs, corms and tubers.

BS 3936-10 : 1990 Nursery stock- Specification for ground cover shrubs.

7) Committee for Plant Establishment, Handling, and establishing landscape plants 1996. Part 1, paragraphs 5.6 to 5.8

8) Glossary for Landscape Works BS 3975 Pt 1 1984

9) Turf - BS 3969 1998- recommendations for turf for general purposes.

10) Seeding - EEC Regulations 1974 "Blue blue labelled certified varieties to EC purity and germination regulations.

When requested, submit an official seed testing Station Certificate of germination,purity, seed composition.

11) 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 1999; Control of Pollution Act 1974; Hedgerow ACT 1997; Wildlife and Countryside Act 1981.

F) 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, with offsetting flooring, as req.

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 729:1971. Hot dip galvanizing shall be applied to fabricated steelwork by way of galvanizing vats (tanks) 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 finish 66327 Dark Slate Grey (Tel. 01707 374444) applied with a turfshed brush strictly in accordance with the manufacturers instructions. Allow for repainting any damaged sheet metal work. Clean off paint with a "Nitromors" and apply 2No. coats 100 microns per coat. Apply paint only when galvanized surface is thoroughly dry at temperatures above five degrees celsius and not in wet, damp or humid current dew point temperature. Paint work will be subject to inspection by engineer 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 formwood 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 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 spillages, harmful fires 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. Suitable protective measures shall be chestnut paling, fixed firmly to 1.0m long timber or scaffolding frames, 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 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 350mm

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 depth of bark mulch, 150mm below where sheet mulch is not to be used.

Tree pits will be dug by the landscape contractor to a depth of 1.0m below finished ground level with the area of planting 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 soil 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 rubbish. 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.

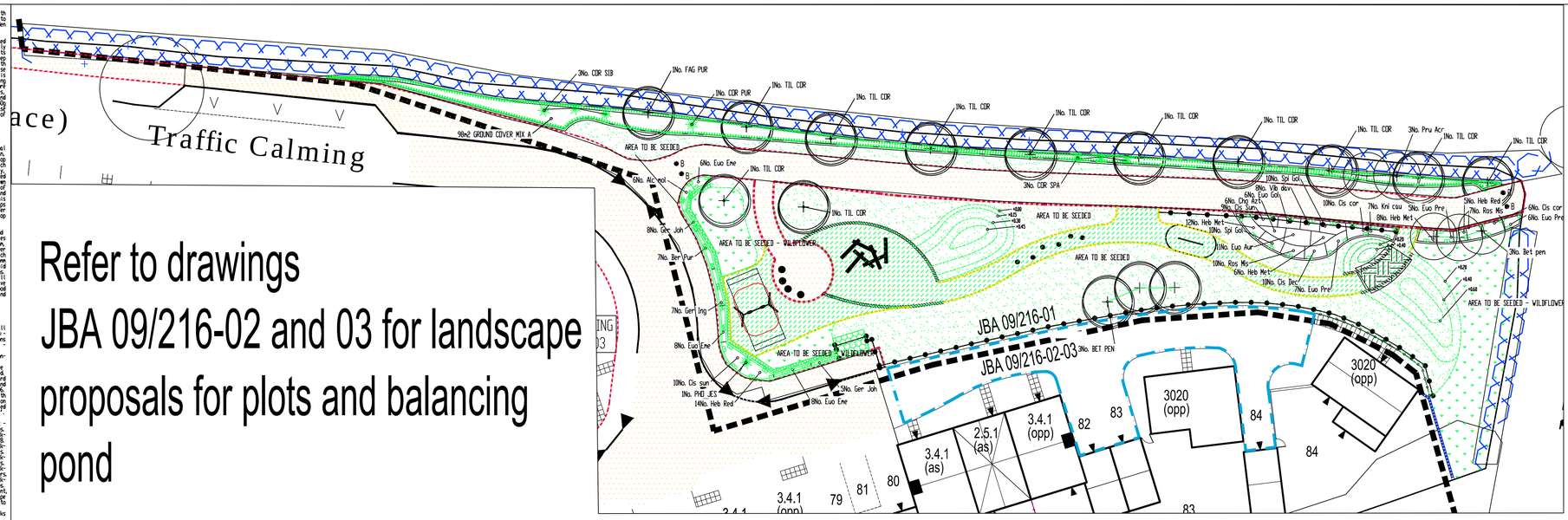
2. All paths and edgings shall be set out properly to lines and radii, with all curves scribed on the ground using pointed pegs and string or site marker paint, with offsetting flooring, as req.

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 729:1971. Hot dip galvanizing shall be applied to fabricated steelwork by way of galvanizing vats (tanks) 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 finish 66327 Dark Slate Grey (Tel. 01707 374444) applied with a turfshed brush strictly in accordance with the manufacturers instructions. Allow for repainting any damaged sheet metal work. Clean off paint with a "Nitromors" and apply 2No. coats 100 microns per coat. Apply paint only when galvanized surface is thoroughly dry at temperatures above five degrees celsius and not in wet, damp or humid current dew point temperature. Paint work will be subject to inspection by engineer 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 formwood 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.



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.

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.

BULB PLANTING IN MIXES; SPRING FLOWERING VARIETIES, REFER TO SCHEDULE FOR FURTHER INFORMATION.

CULTIVATED TURF UNLESS OTHERWISE STATED ON PLAN. SEE SPECIFICATION NOTES B4, C5 AND E1.

WILDFLOWER SEEDED AREA. REFER TO PLANT SCHEDULE FOR SPECIFICATION OF MIX.

EXISTING VEGETATION GROUP OR HEDGE TO BE RETAINED, SEE GENERAL NOTE A1 AND E1. SEE ALSO JAMES BLAKE ASSOCIATES PLAN AND SCHEDULE FOR ANY SURGERY WORKS.

1m HIGH GREEN SCREEN. MADE OF WELD MASH WITH PRE-GROWN CARPINUS BETULUS. AVAILABLE FROM EAST OF EDEN PLANTS. TEL: 01752 822782 OR SIMILAR AND APPROVED.

BITUMEN MACADAM FOOTPATHS TO ENGINEERS SPECIFICATION WITH BITUMEN TAR EMULSION GAUGE BUFF ANGULAR CHIPPINGS. ALL DEPTHS OF WEARING COURSE AND SUB-BASE TO ENGINEERS SPECIFICATION; LAID OVER FIRMED SUB-GRADE AND GEOTEXTILE-TERRAM 1000, ALL TO FALLS AND CROSSFALLS, MINIMUM 1:70 AND ALL TO ADOPTING AUTHORITY APPROVAL.

PRECAST CONCRETE BLOCK EDGING TO TARMAC, 50 X 150 X 914MM, FLAT TOPPED AND LAID FLUSH WITH PAVING. EDGING TO BE BEDDED INTO C:20:P INSITU CONCRETE STRIP FOUNDATION 200 X 200MM, MINIMUM.

TIMBER BOARD EDGE. 25X150mm ACQ PRESSURE TREATED AND COATED WITH 1No. COAT SADOLIN CLASSIC WOODSTAIN COLOUR "AFRICAN WALNUT". LAID AS EDGING TO RUBBER BARK MULCH USING STAKES DRIVEN INTO THE GROUND AT 1000mm CENTRES.

NETLON TURFGUARD TURF PROTECTION SYSTEM. REFER TO SPECIFICATION ON PLAN FOR FURTHER INFORMATION

ENCLOSURES & FURNITURE

450mm HIGH KNEE RAIL

REMOVABLE RAIL FOR MAINTENANCE ACCESS

RECYCLED PLASTIC "SMART SEAT SS 15, COLOUR "YELLOW" AND "RED" AVAILABLE FROM BOLLARDS INTERNATIONAL LTD. TEL: 01455 601144.

BOLLARDS SET 1000MM HIGH ABOVE GROUND, TYPE: FERROCAST LEICESTER. CODE: BL400. AVAILABLE FROM MARSHALLS. TEL NO. 0845 820 5000. COLOUR BLACK. OR SIMILAR AND APPROVED.

PLAY ITEMS

RECYCLED BOUND RUBBER BARK, LAID OVER NON BIODEGRADABLE GEOTEXTILE MEMBRANE 50mm DEPTH, OR TO SUITABLE DEPTH TO CRITICAL FALL HEIGHT OF EQUIPMENT. FINISH LEVEL 20mm BELOW ADJACENT GRASS AREAS. COLOUR "BROWN" OR SIMILAR AND APPROVED.

GRASS MOUNDS WITH CONTOUR LEVELS AS SHOWN.

MACHINE ROUNDED TIMBER LOGS, WITH CHAMFERED EDGES, ACQ PRESSURE TREATED AND COATED WITH 1No. COAT SADOLIN CLASSIC WOODSTAIN COLOUR "JACOBEAN WALNUT". INSTALLED AS EDGING TO RUBBER BARK AREAS WITH UPSTAND 500mm (200mm WHERE ADJACENT TO TARMAC AND HOGGIN PATH AREAS), ALSO USED AS RETAINING STRUCTURE TO MOUNDS.

BALANCE BEAM SPFE25115 AGE RANGE 4-12, AVAILABLE FROM "KOMPAN" TEL 01684 290 485 OR SIMILAR AND APPROVED. TO BE INSTALLED IN RECYCLED RUBBER MULCH AS SAFETY SURFACING.

SWING BASIC900P AGE RANGE 2-6, AVAILABLE FROM "KOMPAN" TEL 01684 290 485 OR SIMILAR AND APPROVED. TO BE INSTALLED IN RECYCLED RUBBER MULCH AS SAFETY SURFACING.

PYRAMID LE20534U TIMBER CLIMBING STRUCTURE AVAILABLE FROM "KOMPAN" TEL 01684 290 485 OR SIMILAR AND APPROVED. TO BE INSTALLED IN RECYCLED RUBBER MULCH SAFETY SURFACING.

TREE STUMPS, TO BE 'UPRIGHT STUMPS' CODE LE20528U, AVAILABLE FROM KOMPAN. TEL. 01684 290 485 OR SIMILAR AND APPROVED.

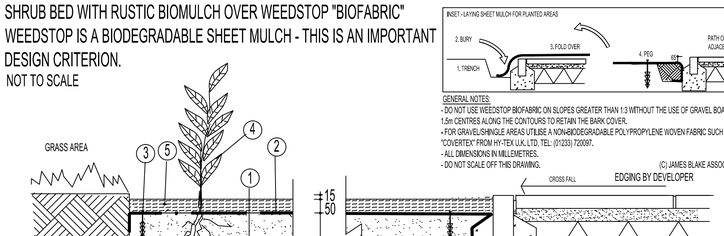
WILLOW TUNNEL, PLANTED USING LIVING WILLOW AT 6 WHIPS/m, 1.8m HIGH AND min. 1.5m WIDE. AVAILABLE FROM 'NATURAL FENCING' TEL. 01234 714240. OR SIMILAR AND APPROVED.

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

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 ROTOVATED TO A DEPTH OF 300mm 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, PO BOX 10198, SUDBURY, SUFFOLK, CO10 3AA. TEL: (01787) 246001. 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 WEEDSTOP SPECIFICATION), TUCK IN SHEET ON THE OPPOSITE SIDE OF THE PROPOSED SHRUB AREA AND FASTEN CLOSE TO TUCKED IN PART WITH METAL HOOP OR WOODEN PEG.

3. WEEDSTOP PLASTIC PEGS 300mm (ACCORDING TO GROUND CONDITIONS), HAMMERED IN AT 500mm CENTRES TO SECURE SHEETING, AVAILABLE FROM WEEDSTOP, 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. RUSTIC BIOMULCH" AVAILABLE FROM MELCOURT INDUSTRIES. TEL: (01666) 502711. 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. "RUSTIC BIOMULCH" IS A LARGE PARTICLE, NO FINES WOOD CHIP OF DARK BROWN COLOUR.

PIT PLANTING THROUGH SHEET MULCH SPECIFICATION

A) PLACE PLANTS ON SHEET IN INTENDED POSITIONS

B) CUT "Y SHAPE IN TO THE FABRIC WITH SCISSORS OR SHARP KNIFE FOR EACH PLANT POSITION, EACH CUT TO BE APPROXIMATELY 100mm - 50mm 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.

-500mm DEPTH AND 200mm 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 25g OF FISONS "RICOTE" 140 DAY 16,10,10 FERTILISER AND NON PEAT COMPOST.

G) FIRM IN AND REPLACE FLAPS OF FABRIC TIGHTLY AROUND BASE OF PLANT STEM. ENSURE THERE IS NO SOIL WHATSOEVER 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 "RUSTIC BIOMULCH" 50mm DEEP, FINISHED SURFACE LEVELS TO BE 15mm BELOW ADJACENT TURF OR PAVING.

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 foreseable hazard which is not likely to be obvious to a competant contractor or other designer or unusual or difficult to manage effectively. This is to accord with Regulation 13 (Requirements of the Designer) of the CDM Regulations 1994 (amended 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/Arboricultural 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 BOTH ON 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 WORKERS
NATIVE HEDGES, POTSHOOTS AND THORNY PLANTS IN PROXIMITY TO PATHS AND ENTRANCES	HAZARD TO SAFETY OF PEDESTRIANS
USE OF PESTICIDES, HERBICIDES AND FERILIZERS	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 OR DISPLACED ON TO ROADS OR PATHS. IT COULD BECOME A POSSIBLE SKID HAZARD TO VEHICLES
WORKING ON SLOPING GROUND	HAZARD TO SAFETY OF WORKERS
WORKING ON OR ADJACENT TO THE HIGHWAY	HAZARD TO SAFETY OF WORKERS AND HIGHWAY USERS
CONSTRUCTION OF PLAY AREAS	HAZARD TO SAFETY OF PLAY AREA USERS

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

SPECIFICATION FOR "WEEDSTOP BIOFABRIC" A BIODEGRADABLE SHEET MULCH FOR PLANTING

INTRODUCTION

"Weedstop Biofabic" is a woven, natural fibre, biodegradable fabric of sufficient strength to last 3-6 months to ensure weed suppression and successful plant establishment when newly disturbed soil triggers significant weed generation. The water porous product helps the ground stay moist and weed free, speeding plant growth and establishment greatly. This product is available from Weedstop, PO Box 10198, Sudbury, Suffolk, CO10 3AA Tel: (01787) 246001.

SPECIFICATION

1. Prepare and Cultivate imported or existing topsoil including fertlizers as necessary and water to field capacity.

N.B. Ensure that the finished soil level is at least 65mm below adjacent pavement or grass levels to receive sheet and bark mulch. For sloping beds ensure that soil levels are 65mm below pavements or grass areas within 900mm 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 @ 1m centres

4. Secure material in position by hammering in 300mm plastic weedstop pegs at 500mm centres. (300mm centres @ edges of beds) Plastic pegs are available from Weedstop.

5. Place plants on beds in intended positions.

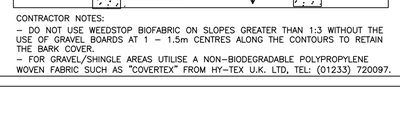
6. Cut the fabric with sissors in "+" shape for each plant position, 400mm across.

7. Pit plant the 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 50mm of Melcourt Industries "Rustic Biomulch".

9. Finally, water the bed thoroughly. (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.









SCHEDULE OF PLANTS

SHRUBS

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB	MIN HEIGHT/SPREAD
6No.	Alc mol	Alchemilla mollis	C.G.	2L 6/m2	-		100-200 x 100-200m
7No.	Ber Pur	Bergenia cordifolia 'Purpurea'	C.G.	5L 5/m2	-		100-200 x 100-200m
6No.	Cho Azt	Choisya ternata 'Aztec Pearl'	C.G.	10L 3/m2	C		400-600 x 400-600mm
16No.	Cis cor	Cistus x corbariensis	C.G.	5L 3/m2	B		300-400 x 300-400mm
19No.	Cis Sun	Cistus pulverulentus 'Sunset'	C.G.	5L 3/m2	B		300-400 x 300-400mm
10No.	Cis Dec	Cistus x dansereauii 'Decumbens'	C.G.	5L 4/m2	B		300-400 x 300-400mm
11No.	Euo Aur	Euonymus japonicus 'Ovatus Aureus'	C.G.	5L 3/m2	C		400-600 x 400-600mm
22No.	Euo Ene	Euonymus fortunei 'Emerald Gaiety'	C.G.	5L 5/m2	A		200-300 x 200-300mm
6No.	Euo Gol	Euonymus fortunei 'Emerald n' Gold'	C.G.	5L 5/m2	A		300-400 x 300-400mm
18No.	Euo Pre	Euonymus 'President Gouttier'	C.G.	10L 3/m2	B		400-600 x 400-600mm
7No.	Ger Ing	Geranium macrorrhizum 'Ingwersen's Var'	C.G.	2L 5/m2	-		100-200 x 100-200mm
8No.	Ger Joh	Geranium pratensis 'Johnsons Blue'	C.G.	3L 4/m2	-		100-200 x 100-200mm
26No.	Heb Met	Hebe 'Mette'	C.G.	5L 4/m2	B		300-400 x 300-400mm
19No.	Heb Red	Hebe 'Red Edge'	C.G.	5L 4/m2	A		300-400 x 300-400mm
7No.	Kni cau	Kniphofia caulescens	C.G.	3L 4/m2	-		300-400 x 300-400mm
17No.	Ros Mis	Rosmarinus officinalis'Miss JessopsVar'	C.G.	3L 4/m2	C		300-400 x 300-400mm
20No.	Spi Gol	Spirea japonica 'Goldflame'	C.G.	5L 3/m2	B		300-400 x 300-400mm
8No.	Vib dav	Viburnum davidii	C.G.	5L 3/m2	B		300-400 x 300-400mm

SPECIMENS PLANTED IN BEDS, GRASS OR GRAVEL

QTY	CODE	PLANT NAME	STOCK	SHC	DFB
3No.	COR SIB	Cornus alba 'Sibirica'	C.G. 10L	D	2.25
1No.	COR PUR	Corylus maxima 'Purpurea'	C.G. 10L	E	4.5
3No.	COR SPA	Cornus alba 'Spaethii'	C.G. 10L	D	2.25
1No.	PHO JES	Phormium tenax 'Jester'	C.G. 10L	-	

FEATHERED TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
6No.	Bet pen	Betula pendula	C.G. 15L FTH	180-210cm	7m	14m	L
3No.	Pru Acc	Prunus 'Accolade'	D.G. FTH	180-210cm	7m	9m	M

STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
3No.	BET PEN	Betula pendula	C.G. 25L STD	8-10cm	7m	14m	L
2No.	FAG PUR	Fagus sylvatica 'Purpurea'	C.G. 25L STD	8-10cm	15m	20m	M
11No.	TIL COR	Tilia cordata	D.G. STD	10-12cm	17m	25m	M

PLANT MIXES

QTY	%	PLANT NAME	STOCK	SPACING	SIZE	DFB	MAX HT
90m2	GROUND COVER MIX A	(individual species to be planted in groups of approx 10)					
28No.	30%	Vinca maj/gr	C.G.	5L 3/m2			
28No.	30%	Euonymus 'Emerald & Gold'	C.G.	5L 3/m2			
28No.	10%	Lonicera pileata	C.G.	5L 3/m2			
28No.	10%	Lasm 'Mrs Bradshaw'	C.G.	5L 3/m2			

SEED MIXES

AREA	SEED MIX NAME	
676m2	Amenity grass mix	('Bar 11' Mix by Barenbrug, refer to Measured Works Schedule)
189m2	Wildflower meadow mix	('JS4/10SM' Mix by YSJ Seeds, refer to Measured Works Schedule)

NOTES AND ABBREVIATIONS:

R.B. = Root-balled stock
C.G. = Container grown stock
G.G. = Open ground stock, to be planted Nov 1st - March 1st
FTH = Feathered tree
STD = Standard tree
L = Litre container
DFB = "Distance from Buildings' based on minimum building Foundation depths
Max Ht = "Maximun 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 minimum 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 sizes are just a guide and the "National Plant Specification" 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