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 painted 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 path edgings and their foundations. With narrow beds between walls/ fences and path edgings, ensure that the bed has space free from projecting 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 shown, the contractor shall dig and cultivate then to the specified width at his own expense.

B) Ground preparation

1. Pre-planting herbicide applications - Apply by suitable spraying apparatus, an approved translocking systemic herbicide to the manufacturer's instructions and the 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 some 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 as sited to ensure it conforms to BS 3882-2007, being free from rocks larger than 50m diameter, all roots, wire, brick, and hardcore more 200 clay. Allow for pre-application of herbicide as above. Fertilise beds at 70 gm per meter square of Vitax 'Nutricote 180' slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 1 metres in width, rotate soil thoroughly with machine to loose soil to a depth of 300mm, ensuring that the subsoil 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 500m centres to a depth of 500mm, except where there are services, or within 10 meters of tree lines or 3 meters of existing hedges. Do not rip areas where roots greater than 10m 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 50m below adjacent grass or paved surfaces, 150m below where agrotextile soil mulch is not specified, within 400-600m of edges to ensure bark or wood chip mulches are retained. Where grass is proposed, then the soil level shall be 15mm (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 necessary 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 400m 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 for up to 10m 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 m 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 3882-2007, 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. (2L 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 3 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 3 no. crosstimbers (see detail) for ground and 100mm dia. for ground and No. saucer/stake 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 climbing climbing shrubs or wall shrubs with "+" groan after self 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 125m 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" groan after the climber's name (or 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 25mm long and to be approved, incorporating spacers 50mm dia. 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-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 600m 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 Vitax 'Nutricote 180" 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 agrotextile "Weedstop Biofabric" biodegradeable sheet mulch over planting beds, previously cultivated, graded and fertilized topsoil before planting, and peg down with Weedstop pegs at a minimum of 500mm centres, 1300m at edges/ long beds less than in wide. Pegging 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 "Bark Blend" to a depth of 75mm. Fill in the sheet mulch specified over all planting areas. Finished surface level shall be 25mm higher than kerb, 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 non-fines, large particled bark wood chip to reduce weed growth, reduce wind blow and prevent rapid break down.

E) SS 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: 2005 and BS 6349:1990. BS 3998:1989 (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 C" Plants shall conform to 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 : 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 forbushes, cors and tubers. BS 3936-7 : 1984 Nursery stock - Specification for climbers, ground cover shrubs, CPSE-Committee for Plant Establishment. Handling and establishing landscape plants 1996, Part 1, paragraphs 6.1 to 6.6. D) Glossary for Landscape Works BS 3975 Pt 5 1966. 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 official seed Testing Station Certificate of germination,purity and composition. G) Topsoil - BS 3882 2007 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 1991, Control of Pollution Act 1974, Hedgerow Act 1997). 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 set out 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 from fires and instability or stress from changes of soil level. The landscape contractor is however responsible for ensuring that neither his materials or labour are causing any damage to existing trees and if so the employer. the landscape contractor shall replace at once tree damaged on site, supplying and planting a tree of the same species and size, at his own cost. Suitable protective measures shall be construct 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 instructing the ground worker 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 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 sheet and bark mulch, 150mm 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 adjacent paving and after settlement, the soil level should be 15mm below the finished paved surface. Where turf is laid for amenity or grass seeded, the soil level shall be flush with any finished paved surfaces after settlement (or to a maximum of 5m 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 50m 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 painted 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 ISO1461. The galvanizer shall be responsible for the thorough removal of all galvanizing snuts (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 (Satin) 663F Finish Silva Ltd (Tel. 01737 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 2No. 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.
- 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 SUBSOIL.
- CULTIVATED TURF UNLESS OTHERWISE STATED ON PLAN. SEE SPECIFICATION NOTES B4, C5 AND E1.
- WILDFLOWER SEEDED AREA. REFER TO PLANT SCHEDULE FOR SPECIFICATION.
- 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 (SUPPORTED BY WIRE CT). SELF CLIMBING VARIETIES (MARKED'S') SEE NOTE C6. SEE SPECIFICATION NOTES C1-7, 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.

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

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 manage effectively. this is to accord with Regulation 13 (Requirements of the Designer) of the CDM Regulations 2007 (amended 2000).
2. To identify some potential hazards which though not related to design work by James Blake Associates, may be more apparent to a Landscape/Arboriculturs 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 REMOVAL OF 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, 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 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
WORKING NEAR A WATERCOURSE	HAZARD TO SAFETY OF WORKERS AND POLLUTION OF WATERCOURSE BY HERBICITIES, PESTICIDES AND OTHER WASTE.
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 Biofabric" is a woven, natural fibre, biodegradable fabric of sufficient strength to last 3-5 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 3AI. Tel: (01787) 248216.

SPECIFICATION
1. Prepare and Cultivate Imported or existing topsoil including fertilizers 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 400mm 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 300mm flap of material at the extreme edges of the planting bed, or by concrete haunch of path edging with masonary nails @ 1m centres
4. Secure material in position by pinning 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 scissors in "+" shape for each plant position, 400mm across.
7. Fill plant the plants, holding back the flaps of fabric, and carefully replace around the stem. Spread topsoil under sheet if visible. Remove all compacted topsoil clods from site, ensure no soil is left on top of sheet.
8. Once all the planting is completed, cover the soil with 50mm of Melcourt industries "Rustic Blemish".
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 HEDGE PLANTING

SPECIFICATION FOR NATIVE AND SEMI-NATIVE HEDGES e.g. Mixed native species, Corylnus 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 600-800mm high.

SPECIFICATION FOR ORNAMENTAL HEDGE PLANTING — LARGE GROWING SPECIES e.g. Clematitus heterophylus, Ligustrum ovolifolium, Lonicera nitida, 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. This row shall be placed in the centre of the bed. Hedge plants shall be in container grown stock, 400-600mm height and spread unless otherwise stated.

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 5 plants per linear metre. This 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.

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 2No. coats of Sadolin 'Classic' colour 'Walnut' (dark brown wood stain) according to specification.

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. The product is available from Hy-Tex U.K. Ltd., PO Box 97, Addington, Ashford, Kent, TN25 7DX. Telephone (01233) 720097.

SPECIFICATION
1. Prepare and Cultivate imported or existing topsoil including fertilizers 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 400mm 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 300mm flap of material at the extreme edges of the planting bed, or by concrete haunch of path edging with masonary nails @ 1m centres
4. Secure material in position by hammering in 300mm metal pegs at 500mm centres. (300mm centres @ edges of beds) Metal hoops for pegging are available from Weedstop.
5. Place plants on beds in intended positions.
6. Cut the fabric with scissors in "+" shape for each plant position, 400mm across.
7. Fill plant the plants, holding back the flaps of fabric, and carefully replace around the stem. Spread topsoil under sheet if visible. Remove all compacted topsoil clods from site, ensure no soil is left on top of sheet.
8. Once all the planting is completed, cover the soil with 50mm of Melcourt industries "Rustic Blemish".
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 NOTE:
DO NOT USE 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.

SCHEDULE OF PLANTS

SHRUBS

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB
15No.	Aca mol	Acanthus mollis	C.G.	2L 5/m2		
58No.	Auc Var	Aucuba japonica 'Variegata'	C.G.	3L 3/m2		C
156No.	Ber Pur	Berggenia cordifolia 'Purpurea'	C.G.	3L 5/m2		
3No.	Bra Sun	Brachyglottis duneddin 'Sunshine'	C.G.	3L 3/m2		B
44No.	Cho Act	Choisya ternata 'Aztec Pearl'	C.G.	3L 3/m2		C
44No.	Cho Sun	Choisya ternata 'Sundance'	C.G.	3L 3/m2		C
81No.	Cis cor	Cistus x corbariensis	C.G.	3L 3/m2		B
13No.	Cis ska	Cistus x skanbergii	C.G.	3L 3/m2		B
5No.	Col Rog	Cotoneaster salicifolius 'Repens'	C.G.	3L 3/m2		B
67No.	Euo Aur	Euonymus japonicus 'Ovatus Aureus'	C.G.	3L 3/m2		A
100No.	Euo Eme	Euonymus fortunei 'Emerald Gaiety'	C.G.	3L 5/m2		A
174No.	Euo Gol	Euonymus fortunei 'Emerald n' Gold'	C.G.	3L 5/m2		A
202No.	Euo Pre	Euonymus "President Gaullier'	C.G.	3L 5/m2		B
30No.	Ger Ing	Geranium macrorrhizum 'Ingwersen's Var'	C.G.	2L 5/m2		
134No.	Ger Var	Geranium x oxonianum 'Wargrave Pink'	C.G.	2L 5/m2		-
53No.	Heb Mrs	Hebe 'Mrs. Winder'	C.G.	3L 3/m2		B
30No.	Heb rak	Hebe rakiensis	C.G.	3L 3/m2		B
19No.	Heb Red	Hebe 'Red Edge'	C.G.	3L 4/m2		A
4No.	Hem Buz	Hemerocallis "Buzz Bomb"	C.G.	3L 3/m2		-
4No.	Hem Ste	Hemerocallis 'Stella d'Oro'	C.G.	2L 5/m2		-
29No.	Heu Mar	Heuchera 'Marmalade'	C.G.	1L 5/m2		-
59No.	Heu Pal	Heuchera 'Palace Purple'	C.G.	2L 5/m2		-
42No.	Hyp Hid	Hypericum 'Hidcote'	C.G.	3L 3/m2		B
4No.	Kni gal	Kniphofia galpinii	C.G.	3L 4/m2		-
10No.	Kni RCM	Kniphofia uvaria 'Ht.C.Mills'	C.G.	3L 4/m2		-
38No.	Lav Hid	Lavandula angustifolia 'Hidcote'	C.G.	2L 4/m2		A
76No.	Lon pil	Lonicera pileata	C.G.	3L 3/m2		B
8No.	Pac tor	Pachysandra terminalis	C.G.	2L 5/m2		-
6No.	Phl fru	Phlomis fruticosa	C.G.	3L 3/m2		B
29No.	Pot Abb	Potentilla fruticosa 'Abbotswood'	C.G.	3L 3/m2		B
7No.	Pot Kat	Potentilla fruticosa 'Katherine Dykes'	C.G.	3L 3/m2		B
90No.	Pru Utt	Prunus laurocerasus 'Otto Lukyen'	C.G.	3L 3/m2		B
13No.	Pru Zab	Prunus laurocerasus 'Zabeliana'	C.G.	3L 3/m2		B
13No.	Ros gra	Rosa 'Grouse'	C.G.	3L 3/m2		B
12No.	Ros Mis	Rosmarinus officinalis 'Miss Jessops Var'	C.G.	3L 3/m2		A
14No.	Ros Pro	Rosmarinus officinalis 'Prostratus'	C.G.	2L 5/m2		A
26No.	Sar hoo	Sarcococca hookeriana var digyna	C.G.	3L 3/m2		B
29No.	Sar hum	Sarcococca humilis	C.G.	3L 3/m2		B
6No.	Spi Gol	Spirea japonica 'Goldmound'	C.G.	3L 3/m2		B
119No.	Vib dav	Viburnum davidii	C.G.	3L 3/m2		B

GRASSES AND SEDGES

QTY	CODE	PLANT NAME	STOCK	SPACING
13No.	Car buc	Carex buchananii	C.G.	3L 5/m2
4No.	Car tes	Carex testacea	C.G.	3L 5/m2

SPECIMENS PLANTED IN BEDS, GRASS OR GRAVEL

QTY	CODE	PLANT NAME	STOCK	SHC	DFB
1No.	CHO AZT	Choisya ternata 'Aztec Pearl'	C.G.	10L	C
1No.	CHO SUN	Choisya ternata 'Sundance'	C.G.	3L	A
6No.	EUO GOL	Euonymus fortunei 'Emerald n' Gold'	C.G.	3L	A
1No.	HYD QUE	Hydrangea quercifolia	C.G.	10L	D 1.5
3No.	PHO JES	Phormium tenax 'Jester'	C.G.	10L	-

BULB PLANTING MIXES

QTY	%	PLANT NAME	STOCK	SPACING
18m2		Bulb planting mix A		
90No.	25%	Crocus 'Dutch Yellow'	bulb	20/m2
90No.	25%	Crocus vernus 'Purpueus Grandiflorus'	bulb	20/m2
90No.	25%	Narcissus 'Punacher'	bulb	20/m2
90No.	25%	Narcissus 'Honeybird'	bulb	20/m2

CLIMBERS

QTY	CODE	PLANT NAME	STOCK	SPACING	DFB
9No.	Hed can	Hedera canariensis 'Gloire de Marengo' 'S'	C.G.	3L 1/m	3
2No.	Hed col	Hedera colchica 'Dentata Variegata' 'S'	C.G.	3L 1/m	3
2No.	Hyd pet	Hydrangea petiolaris 'S'	C.G.	3L 1/m	3
6No.	Par tri	Parthenocissus tricuspidata 'Veitchii' 'S'	C.G.	3L 1/m	3

FEATHERED TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX. HT	WD
2No.	Bet jac	Betula jacquemontii	C.G.	15L FTH	180-210cm	6m	10m L
1No.	Bet Dal	Betula pendula 'Dalecarlica'	C.G.	15L FTH	180-210cm	7m	14m L
1No.	Bet pen	Betula pendula	C.G.	15L FTH	180-210cm	7m	14m L
6No.	Cer sil	Cercis siliquastrum	C.G.	15L FTH	180-210cm	5m	6m M
1No.	Mal Joh	Malus 'John Downie'	D.G.	FTH	180-210cm	5m	6m M
3No.	Pru Ama	Prunus 'Amanogawa'	D.G.	FTH	180-210cm	4m	6m M
4No.	Pru Aut	Prunus subhirtella 'Autumnalis'	D.G.	FTH	180-210cm	7m	8m M
4No.	Pyr Cha	Pyrus calleryana 'Chanticleer'	D.G.	FTH	180-210cm	6m	8m M

STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX. HT	WD
5No.	CAR FRA	Carpinus betulus 'Frans Fontaine'	D.G.	STD 8-10cm	9m	16m	L
1No.	CER SIL	Cercis siliquastrum	D.G.	STD 10-12cm	5m	6m	M
3No.	PRU AMA	Prunus 'Amanogawa'	D.G.	STD 8-10cm	4m	6m	M
1No.	PYR CHA	Prunus calleryana 'Chanticleer'	D.G.	STD 8-10cm	6m	8m	M

ORNAMENTAL HEDGE PLANTING

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB
12lm		Hedge type 01 Single row				
393No.	Vib tin	Viburnum tinus 'Eve Price'	C.G.	3L 3/m	D	2.25
245m		Hedge type 08 Single row				
735No.	Euo Aur	Euonymus japonicus 'Aureopictus'	C.G.	3L 3/m	C	

SEED MIXES

AREA	SEED MIX NAME	
114m2	Amenity grass mix	('Bar 11' Mix by Barenbrug, refer to Measured Works Schedule)
1595m2	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
NVSTD = Heavy Standard tree
XHVYSTD = Extra Heavy standard tree
BLE = Broad Leaf Evergre