SPECIFICATION NOTES - REFER ALSO TO THE MEASURED WORKS SCHEDULE.

A) Setting out

1. Planting shall be set out exactly as shown on the drawing, and measured from existing fixed points. Curved beds shall be set out using radii scribed on the ground using two pointed stakes and a line between, or with site marker paint. The junction between convex and concave curves shall be cut to form a smooth and even flowing line. Check that all setting out conforms to the plan before cultivating and planting works 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 wall mix fences and path edgings, ensure that the bed is wide enough for the mature plant 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 lifted, the bed can be paved. The width of all beds will be checked by the inspecting landscape architect and where the width is not as drawn, the contractor shall re-cultivate them to the specified width at his own expense.

B) Ground preparation

1. Pre-planting herbicide application:- Apply by suitable spraying apparatus, an approved translocated" systemic herbicide to the manufacturer's instructions and to 1997 Control of Pesticides Regulations (COPR) and COSHH regulations on all beds - except those which are both weed free and are to receive applicable sheet mulch. Spray immediately if any weeds are present. If none are showing, but there may be a delay before planting, or the area is to be weeded, 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. Any damage caused by weeds and any damage caused by spray drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and rake off all dead material from site.

2. Carry out the following works to the existing topsoil on site to ensure it complies with BS 3882:2015 clause free from rocks, lumps of clay, stones, free from rocks, lumps of clay, stones, concrete, all roots, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilise with 100g per meter square of Hortbase CRF (16-8-12) slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 5 meters in width, fork over thoroughly or machine rotovate soil to a depth of 300mm ensuring that the subgrade is not compacted. Complete all forking up and finish off lightly with any compaction. For beds greater than 5 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or ripper at 500mm centres to a depth of 500mm,except where there are services, or within 10 meters of tree stems or 3 meters of existing hedges. Do not rip areas where roots greater than 10mm diameter are encountered.

3. Determine before submitting a tender, the extent of support from the site manager with ground preparation: ensure soil of all planting beds is graded to a level 65mm below adjacent grass or paved surfaces, (90mm below where agro- textile set mulch is not specified), within 400-450mm of edges to ensure bark or wood chip mulches are retained. Where grass adjoins beds, form a small grass ramp to ensure mower "bump" does not occur, but ensure adjacent paved surfaces, to receive rain water run off. The landscape contractor is responsible for ensuring that the final product conforms to the specification even where the 'developer and/or main contractor have failed to supply and spread topsoil to the recessed level. The landscape contractor shall allow for adjustment of levels, as specified above, including for re-grading subsoil where necessary. The contractor shall ensure that topsoil is graded to the specified levels below pavement & grass surfaces within 400mm of the edges of the bed. This is to allow for sheet mulch and bark or wood chip mulch so that mulch does not spill out on to pavements and also to allow surface water to drain from paths on to planted areas.

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

5.Imported topsoil (where specified and sanctioned by the employer) for making up ground, shall conform to BS 3882: 2007, and be free from rocks over 50mm diameter, concrete, rubble, debris, oil, cement and builders rubble. Soil shall have a clay content of less than 20%.

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 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 in writing from the architect has been received. All plants shall be true to size specified in the schedule of plants and associated notes. (3L pots are 19cm diameter and 15cm deep). All shrubs, (other than ground cover), shall be 400-600mm height and spread, or otherwise specified for the pot size by the HTA National Plant Specification and be bushy, healthy, disease free stock not pot bound, leggy or spindly. There shall be no gaps between the stems of shrubs. 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 2 litres per square meter, and thereafter watered with 25 litres per tree position. Water thereafter during the contract period at weekly intervals with 30 litres of water.

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

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

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

7. Twining varieties of climber, with "T" drawn after the climber's name (in specially prepared pits or general shrub beds) shall be trained to walls/ fences by mounting ready-made trellis panels 1.8 x 1.6m generally (but 1.8 x 0.6m in locations where height is restricted). Include for adapting any panels for locations where walls or fences are lower than 1.8m. Fix trellis panels to the walls/ fences using non rusting screws 125mm long (to be approved), incorporating 50mm cube wood spacing blocks to ensure that the panel is mounted sufficiently far from the wall/ fence to allow twining of stems. Ensure that all timber is pressure impregnated with a non-toxic preservative and then painted with a dark brown non phyto-toxix preservative wood stain such as Sadolin "Classic" walnut or similar and approved. Ensure that the trellis is not in contact with the ground. Train the climbing shrub to the trellis with plastic coated garden wire tags.

D) Mulch

1. When specified by the additional specification notes on this plan, supply and spread 75mm thick approved organic sheet mulch over planting beds, previously, cultivated, graded and fertilized topsoil before planting, and peg down at a minimum of 500mm centres, (300mm at edges) and beds less than 1m wide. Pegging this densely is essential to prevent flaps of material becoming exposed. Refer to the specification for biodegradable sheet mulch on plan.

2. Following planting supply and spread evenly Melcourt Industries "Edwards of Brandon" to a depth of 50mm, (75mm if no sheet mulch specified), over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels to avoid any spillage onto pavements or lawns. N.B. no substitution of mulch type will be acceptable. It is essential to have a 65-70mm, bed edge selected, brown wood chip to reduce weed growth, reduce wind blow and prevent rapid break down.

E) BS codes

1. All workmanship and materials shall conform to the following codes:-
A) General landscape operations:- BS 4428:1989 "Code of practice for general landscape operations (excluding hard surfaces)".
B) Trees, in relation to construction:- BS 5837: 2012 and BS 6549:1999. BS 3998:2010 (recommendations for tree works) unless otherwise specified.
Arboricultural Association - Standard Conditions of Contract and Specifications of Tree Work.
C) Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2001".
Plants shall conform to:
-BS 8545 : 2014 Trees from Nursery to Independence in the Landscape.
-BS 3936-1 :1992 Nursery Stock. Specification for forest trees.
-BS 3936-2 :1990 Nursery Stock. Specification for roses + AMD 6628.
-BS 3936-4 : 2007 Nursery stock. Specification for forest trees.
-BS 3936-9 : 1998 Nursery stock. Specification for bulbs, corms and tubers.
-BS 3936-10 : 1984 Nursery stock. Specification for ground cover shrubs.
"CPSE-Committed for Plant Establishment, Handbook and establishing landscape plants
D) Glossary for Landscape Works BS 4428 1989
E) Turf - BS 3969:1998 -recommendations for turf for special purposes.
F) Seeds Act 1964 and Regulations 1974. Use blue labelled certified varieties to EC purity and germination regulations. When requested, submit an officia seed Testing Station Certificate of germination, purity and composition.
G) Topsoil - BS 3882: 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 2004) Control of Pollution Act 1974; Hedgerow Act 1997; Wildlife and Countryside Act 1981; Countryside and Rights of way Act 2000.

GENERAL NOTES FOR THE DEVELOPER.

A) Tree protection
1. Any existing trees to be retained, are the responsibility of the main contractor on site who shall take all necessary protective measures set out in BS 5837:2012 to ensure no damage to stems or roots, to prevent compaction, contamination of soil from materials, domination 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 plant, materials or labour are cause of any damage to existing trees, and like the employer, the landscape contractor shall replace at once any tree damaged on site, supplying and planting a tree of the same species and size, at his own cost. Protection barriers will comprise a scaffold framework in accordance with Figure 2 of BS 5837:2012 (The BS).
The framework will consist of vertical and horizontal scaffolds with vertical tubes spaced at no more than 3m intervals and driven into the ground. Weld mesh (Heras or similar) panels will be securely fixed on to the scaffold.
Supporting struts will be fixed to the inside of the barrier to ensure maximum rigidity.

B) Ground work

1. Soil levels: soil levels for shrub beds and grass areas should have any compacted areas 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 to the level of the subgrade for shrub beds to leave beds 65mm below finished pavement or grass areas in order to receive sheet and bark mulch, (90mm below where sheet mulch is not to be used). Tree pits will be dug by the landscape contractor. Top soil shall be spread for grass areas flush with any areas of paving and after settlement, the soil level should be no greater than 10mm below paved areas to allow for turf. For areas to be grass seeded, the soil level shall be flush with any finished paved surfaces after settlement (or to a maximum of 25mm 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 (due to the 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, any 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 ISO1460. The galvanizer shall be responsible for the thorough removal of all galvanizing smut (flaking) to the 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 Isopol 6630 from Sika Ltd (tel. 01707 374444) applied with a turfshield brush strictly in accordance with the manufacturers instructions, or other suitable equal such as 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 redecorated entirely at the decorating contractors own cost.

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

KEY

- PROPOSED STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- PROPOSED HEAVY STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- PROPOSED EXTRA HEAVY STANDARD TREE, INCLUDING UNDERGROUND GUYING SYSTEM. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- PROPOSED EXTRA HEAVY STANDARD TREE IN PAVING WITH PERMEABLE RESIN BOUND TREE GRILL AND UNDERGROUND GUYING SYSTEM. FOR MORE DETAILS REFER TO DRAWING JBA 14 /42-DT3.
- PROPOSED CONIFER OR BROAD LEAF EVERGREEN TREE, INCLUDING STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-6, D1-2 AND E1.
- SHRUB AND HERBACEOUS PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). SEE SPECIFICATION NOTES A1-2, B1-3, C1-3, D1-2 AND E1.
- 10L/15L SHRUB AND HERBACEOUS PLANTING, INCLUDING COVERTEX AND BARK MULCH (ACCORDING TO SPECIFICATION). SEE SPECIFICATION NOTES A1-2, B1-3, B5, C1-3, D1-2 AND E1.
- GROUNDCOVER 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.
- 10/15L INSTANT HEDGE PLANTING WITH DEFINED MIN.HEIGHT, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). REFER TO HEDGE SCHEDULES ON PLAN AND THE SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1-2, B1-3, B5, C1-3, D1-2 AND E1.
- HEDGE PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION), INCLUDING TIMBER BOARD EDGING TO SEPARATE FROM GRAVEL AREA. REFER TO HEDGE SCHEDULES ON PLAN AND THE SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1-2, B1-3, B5, C1-3, D1-2 AND E1.
- WASHED, ROUNDED, BUFF COLOURED GRAVEL, 20mm GAUGE, 40mm DEPTH FINISHED LEVEL 15mm BELOW ADJACENT SURFACES, LAID OVER 'COVERTEX' OVER LIGHTLY CONSOLIDATED SUBGRADE.
- CULTIVATED TURF UNLESS OTHERWISE STATED ON PLAN. SEE SPECIFICATION NOTES B4, C5 AND E1.
- WILDFLOWER SEEDED AREA. REFER TO PLANT SCHEDULE FOR SPECIFICATION OF MIX.
- BULB PLANTING IN MIXES, SPRING FLOWERING VARIETIES, REFER TO SCHEDULE FOR FURTHER INFORMATION.
- CLIMBING SHRUB IN SHRUB BEDS, GRASS/ GRAVEL OR IN PITS IN PAVING. (SEE PLAN). TWINING VARIETIES (MARKED'T') SEE NOTE C7. SELF CLIMBING VARIETIES (MARKED'S') SEE NOTE C6. SEE SPECIFICATION NOTES C1-3, C6, 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.
- TURF REINFORCEMENT TO BE GRASSCRETE AVAILABLE FROM GRASS CONCRETE LTD. TEL: 01924 379443 OR SIMILAR AND APPROVED.
- SMART POLYURETHANE 77% RECYCLED MATERIAL SEATS 620mm DIA DIAMETER, 450mm HIGH ABOVE GROUND LEVEL. 2x 3 TRAFFIC RED (RAL 3020) , 1X 3 OLIVE GREEN (RAL 6003),AVAILABLE FROM BOLLARDS INTERNATIONAL TEL: 01489 601140 OR SIMILAR AND APPROVED.
- LITTER BIN TO BE PORTMAN GALVANIZED STEEL ATIMBER LITTER BIN PS 52ST AVAILABLE FROM FURNITUBES INTERNATIONAL TEL: 0845 6379 3200 OR SIMILAR AND APPROVED.
- EARTHMOUNDS TO BE FORMED AROUND PLAY AREA. AS PER CONTOURS AND SPOT HEIGHTS ON PLAN.
- FOOTPATHS WITHIN OPEN SPACE AREAS AND PLAY AREA TO BE BITUMEN MACADAM TO ENGINEERS SPECIFICATION. EDGING TO BE PRE-CAST CONCRETE 50 x 150mm, SQUARE/FLAT TOPPED, LAID FLUSH.
- **ROBINIA BALANCE BEAM TRIO (WB 00072) AVAILABLE FROM WREKIN TEL: 01604 858240 OR SIMILAR AND APPROVED.**

HEALTH AND SAFETY RISK ASSESSMENT

This Risk Assessment has 2 purposes
1. To identify any significant hazards related to design work by Jones 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 1994 (amended 2007).
2. To identify some potential hazards which though not related to design work by Jones Blake Associates, may be more apparent to a Landscape/Arboriculturai 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).

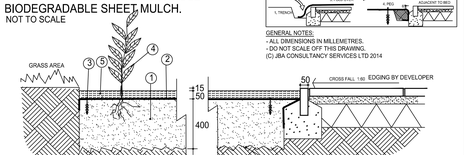
ITEM	RISK LEVEL	HAZARD/RISK
EXCAVATION, CONSTRUCTION, COMPACTION AND SOIL PREPARATION NEAR EXISTING TREES BOTH ON AND OFF THE SITE	MEDIUM	HAZARD TO SAFETY OF WORKERS, USERS OF ADJACENT LAND AND FUTURE USERS OF THE SITE BY DAMAGED TREES
WORKING NEAR OR ADJACENT TO OVERHEAD/UNDERGROUND SERVICES	HIGH	DAMAGE TO SERVICES AND HAZARD TO SAFETY OF WORKERS
NATIVE HEDGES, POISONOUS AND THORNY PLANTS IN PROXIMITY TO PATHS AND ENTRANCES	LOW	HAZARD TO SAFETY OF PEDESTRIANS
USE OF PESTICIDES, HERBICIDES AND FERTILIZERS	MEDIUM/HIGH	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	LOW	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	MEDIUM	HAZARD TO SAFETY OF WORKERS
WORKING ON OR ADJACENT TO THE HIGHWAY	HIGH	HAZARD TO SAFETY OF WORKERS AND HIGHWAY USERS
WORKING NEAR A WATERCOURSE	MEDIUM	HAZARD TO SAFETY OF WORKERS AND POLLUTION OF WATERCOURSE BY HERBICITES, PESTICIDES AND OTHER WASTE.
CONSTRUCTION OF PLAY AREAS	MEDIUM	HAZARD TO SAFETY OF PLAY AREA USERS

A list of JBA Consultancy Services Ltd Approved Landscape Contractors is available on request.

- PLAY BOULDERS VARIOUS GAUGES 400-1200mm ROUNDED OFF EMBEDDED 1/3 ON THE GROUND. AVAILABLE FROM CED LTD. TEL: 01708 867237 OR SIMILAR AND APPROVED.
- PLAY TREE TRUNKS, VARIOUS SIZES MIN. 3m LONG, MADE SAFE FOR PLAY, AVAILABLE FROM RUSKINS TEL: 01277349990 OR SIMILAR AND APPROVED.
- KNEE RAIL, 450mm HIGH, TIMBER POST AND TIMBER RAIL.
- 6x STEPPING LOGS MN20528, AVAILABLE FROM MIRACLE PLAY TEL: 01604 858 240 OR SIMILAR AND APPROVED.
- LIVING WILLOW TUNNEL, WILLOWS AVAILABLE IN BUNDLES OF 50No., 1.8m HIGH, PLANTED AT SPACING 6m, AVAILABLE FROM NATURAL FENCING TEL:01234 714240.
- CAMBRIDGE TIMBER BENCH, AVAILABLE FROM BROXAP LTD TEL.0844 800 4085 OR SIMILAR AND APPROVED
- "NO DOGS" SLAB 6600-001, 450 x 450 x 65mm, LAID FLUSH WITH ADJACENT SURFACING, AVAILABLE FROM PARAGON PAVING SIGNS AT WICKSTEED PLAYSCAPES TEL: 01536 517028 OR SIMILAR AND APPROVED.

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

INSET DETAIL 1: SHRUB BED WITH COURSE WOOD CHIP MULCH OVER SUITABLE BIODEGRADABLE SHEET MULCH.
NOT TO SCALE



NOTES
1. Existing topsoil to be rotovated to a depth of 400mm ensuring that the ground is completely broken up and is free draining. Complete ground preparation as specified within the measured works schedule, ensuring finished soil levels are 65mm below adjacent pavement or grass areas, if set in any, or within 10mm of the edges of beds.
2. Suitable fertilising topsoil sheet mulch to be incorporated into the soil at the following rates according to the manufacturers instructions. To be laid by hand. 200mm layer of topsoil to be uniformly applied over the whole area, and fabbing over bed (refer to inset on sheet mulch specifications). Turn in insert on the opposite side of the proposed shrub area and fasten down to bucked in part with plastic pegs.
3. Suitable pegs hammered in at 500mm centres to secure sheeting, Increase frequency to 300mm centres at edges to secure sheet mulch at margins.
4. Supply and pot plant shrubs through sheeting. Refer to pit planting through sheet mulch specification.
5. "Cosmo grained tree+shrub fiberglass wood chip mulch" to be darkened from aging (3-6 months minimum) available from Edwards of Brandon, Tel: (01562) 815555. Mulch to cover all of biodegradable fabric to a min depth of 50mm once all plants are planted. Ensure finished levels are 15mm below adjacent turf or hard surfaces.

N.B. (A) Do not use biodegradable sheet mulch on slopes greater than 1:3 without the use of gravel boards at 1 - 1.5m centres along the contours to retain the bark/gravel.
(B) For gravel/shingle areas utilise a non-biodegradable polypropylene woven fabric such as "Covertex" from Hytex U.K. Ltd, tel: (+231) 730567 Mulch to cover all of bed with 40mm of clean, washed, cream / buff coloured gravel, 20mm gravel, unless otherwise stated in the text.

ENSURE BASE AND SIDES OF SHRUB BEDS ARE WELL BROKEN UP AND FREE-DRAINING.

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

(C)JBA CONSULTANCY SERVICES LTD 2015

PIT PLANTING THROUGH SHEET MULCH SPECIFICATION

A) Place plants on sheet in intended position.
B) Cut holes in sheet for plants, using templates or sharp knife for each plant position. Each cut to be approximately 300mm - 500mm depending on the size of the shrub.
C) Fold back the fabric using stones etc and excavate pits of appropriate size, for example:- 300mm depth and 300mm radius of stem, for plants specified in 10L containers.
500mm depth and 250mm radius of stem, for plants specified in 3L or smaller containers.
D) Carefully plant shrub, ensuring that the roots are spread.
E) Fill plant so the nursery mark is flush with the ground.
F) Backfill with imported or existing topsoil mixed with Vitax "3A HW" fertiliser to suppliers instructions and 3% root compost per m2.
G) Firm in and replace flaps of fabric tightly around base of plant stem, ensure there is no soil what so ever on the fabric visible after backfilling.
H) Water plants with 2ltr/plant for 10L stock and 10L/plant for 3L or smaller stock using a fine spray hose.
I) Spread Toomse grazted tree+shrubs finge wood chip mulch" 50mm deep. Finished surface levels to be 15mm below adjacent turf or paving.

BIGGER STOCK PLANTS AVAILABLE FROM:
BONINGALE NURSERIES TEL. 01902 376500
OLD HALL NURSERIES TEL. 0115 965 3303.
SEAGRAVE NURSERIES TEL.01509 621 300
ROBIN TACCHI PLANTS TEL. 01953 681 312

FOR PLANT SCHEDULE REFER TO DRAWING JBA 14/ 52-03

SPECIFICATION FOR "COVERTEX" SHEET MULCH FOR GRAVEL AREAS

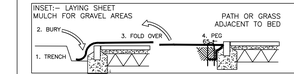
INTRODUCTION

"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 pitches or areas the soil shall be lighting and evenly cultivated until friable.
N.B. Ensure that the finished soil level is at least 55mm below adjacent paths, edgings, etc. to receive sheet mulch and gravel. For sloping beds, ensure that levels are 55mm below pavements or grass areas 600mm of bed edges, see remainder of specification.
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 @ 1m centres
4. Secure material in position by inserting 300mm metal pegs at 300mm centres. (300mm centres @ non buried edges) Metal hoops for pegging 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.

SPECIFICATION FOR HEDGE PLANTING

SPECIFICATION FOR ORNAMENTAL HEDGE PLANTING — LARGE GROWING SPECIES e.g. Quercus, Taxus, Ligustrum, Ilex, Laurus, Viburnum, Prunus, Fagus, Carpinus, Olearia, Osmanthus, Griselinia, Pittosporum, Escallonia, Elaeagnus, Berberis, Cotoneaster, Rosa rugosa, Rosa rubiginosa, Rosa canina, Rosa glauca, Rosa moyesii, Rosa pimpinellifolia, Rosa rubrifolia, Rosa mundi, Rosa gallica officinalis, Rosa alba maxima, Rosa alba semi-plena, Rosa damascena, Rosa centifolia, Rosa centifolia muscosa, Rosa eglanteria, Rosa spinosissima, Rosa x odorata, Rosa x odorata mutabilis, Rosa x odorata pseudindica, Rosa x odorata sanguinea, Rosa x odorata ochroleuca, Rosa x odorata viridiflora, Rosa x odorata gigantea, Rosa x odorata fortuniana, Rosa x odorata longicuspis, Rosa x odorata noisettiana, Rosa x odorata odorata, Rosa x odorata pallida, Rosa x odorata parsonsiae, Rosa x odorata rubrifolia, Rosa x odorata sempervirens, Rosa x odorata setigera, Rosa x odorata wichuraiana, Rosa x odorata x damascena, Rosa x odorata x gallica, Rosa x odorata x moschata, Rosa x odorata x rubiginosa, Rosa x odorata x spinosissima, Rosa x odorata x virginiana, Rosa x odorata x wichuraiana, Rosa x odorata x wichuraiana x damascena, Rosa x odorata x wichuraiana x gallica, Rosa x odorata x wichuraiana x moschata, Rosa x odorata x wichuraiana x rubiginosa, Rosa x odorata x wichuraiana x spinosissima, Rosa x odorata x wichuraiana x virginiana, Rosa x odorata x wichuraiana x wichuraiana, Rosa x odorata x wichuraiana x wichuraiana x damascena, Rosa x odorata x wichuraiana x wichuraiana x gallica, Rosa x odorata x wichuraiana x wichuraiana x moschata, Rosa x odorata x wichuraiana x wichuraiana x rubiginosa, Rosa x odorata x wichuraiana x wichuraiana x spinosissima, Rosa x odorata x wichuraiana x wichuraiana x virginiana, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x damascena, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x gallica, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x moschata, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x rubiginosa, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x spinosissima, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x virginiana, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x damascena, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x gallica, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x moschata, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x rubiginosa, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x spinosissima, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x virginiana, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x wichuraiana, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x wichuraiana x damascena, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x wichuraiana x gallica, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x wichuraiana x moschata, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x wichuraiana x rubiginosa, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x wichuraiana x spinosissima, Rosa x odorata x wichuraiana x wichuraiana x wichuraiana x wichuraiana x wichuraiana x virginiana, Rosa x odorata x wichuraiana