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 rads scribed on the ground using two pointed stakes and a garden line, hose pipe or spray 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 concrete laid before planting. If the landscape contractor is in doubt, the landscape contractor shall contact the site manager or landscape architect to determine if footings are excessive and can be reduced or level, 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 100% control of couch, annual weeds and perennials. COSHH regulations on all beds, except those which are both weed free and are to receive approvable sheet mulch. Spray immediately if any weeds are present. If none are showing, but there may be a delay before planting, or the area is to be seeded, spray after one month following cultivation, to allow weed germination and growth. Spraying shall be carried out on a calm day by qualified operatives using protective clothing, in suitable weather (no wind) and any damage caused by spray drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and rake off all dead material from site.

2. Carry out the following works to the existing topsoil on site to ensure it Conforms to BS 3882:2007, being free from rocks, larger than 50m diameter, concrete, all roots, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilise with 150g per meter square of Hortibase CRF (16-8-12) slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 5 meters in width, fork over thoroughly, or machine rotovate soil to a depth of 300mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 5 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler to 500mm at 1.5metre centres in both directions. Ensure that all stones over 50mm exceed, 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 that all beds, including grass, are level 65mm below adjacent grass or paved surfaces, (90mm below where agro-textile set mulch is not specified), within 400-600mm of edges to ensure bark or wood chip mulchels are retained. Where grass is proposed, then the soil level shall be flush (maximum 10mm below - but never proud) of adjacent paved surfaces, to receive grass seed or turf. The landscape contractor is responsible for ensuring that the final product conforms to the specification even where the developer and/or main contractor have failed to supply and spread topsoil to the recessed level. The landscape contractor shall allow for adjustment of levels, as specified above, including for re-grading subsoil and topsoil. Where beds are sloping, ensure that soil levels are kept 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 edging of turf and 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 turfing 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 (using the standard trees, plant and turf) 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 that does not fulfil the size specified on the planting plan and schedule, unless prior agreement to a substitution by the landscape architect has been received. All plants shall be true to size specified in the schedule of plants and associated notes, (3L pots are 19cm diameter and 15cm deep). All shrubs, (other than ground cover), shall be 400-600mm height and spread, or as specified in the schedule, and conform to the NHTA National Plant Specification and shall be bushy, healthy, disease free stock, not pot bound, leggy or spindly. There should be a minimum of 5 breaks per shrub. This specification is the minimum standard required and any stock falling below this standard, in the sole opinion of the inspecting landscape architect,shall be lifted and replaced at the contractor's expense.

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

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

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

6.Self clinging climbing shrubs or wall shrubs shall be grown after the climber name, shall be trained to the wall/fence with heavy, duty, plastic coated garden wire. Training wires shall be attached vertically to the wall/fence by means of 125mm long stainless steel eye screw fittings. Position 1No. at 250mm from ground, and 1No. 250mm from top of the wall/fence, and string the wire, taut between the fixings. Train the climber to the wires 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 means of ready-made trellis panels 1.8m x 1.8m generally (but not limited to) corners (where space is restricted). Include for adapting any panels for locations where walls or fences are lower than 1.8m. Fix trellis panels to the walls/ fences using non rusting screws 125mm long (to be approved), incorporating 50mm cube wood spacing blocks to ensure that the panel is mounted sufficiently far from the wall/fence for adequate air circulation. 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 400mm x 400mm and 600mm deep (minimum size), and be backfilled with topsoil (from site - unless otherwise agreed). Ensure the base of the pit is thoroughly broken up and free draining to BS 8545:2014. Take precautions not to damage to foundations and services, and make good all structures and surfaces disturbed. Fertilise with 50g of Hortipase CRF (16-8-12) slow release fertilizer. Water with 15 litres of water per climber pit.

D) Mulch

1. When specified by the additional specification notes on this plan, supply and spread suitable biodegradeable sheet mulch over planting beds, previously cultivated, graded and thoroughly watered in advance. Apply to a minimum of 500mm overlap (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 Millcourt Industries "Edwards of Blvndon" to a depth of 50mm, (75mm if no sheet mulch specified), over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels to avoid any spillage onto pavements or lawns. N.B. no substitution of mulch type will be acceptable. It is essential to have a no-dries, large particled, brown wood chip, produce wood grown, 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.
B) Trees in relation to construction- BS 5837:2012 and BS 4349:1999. BS 3998:2010 (recommendations for tree works ) unless otherwise specified.
Arboricultural Association - Standard Cultivations and Fertilizer Recommendations for Tree Work 1994.
C) Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant specification 2001."
Plants shall conform to:-
-BS 8545:- 2014 Trees from Nursery to Independence in the Landscape.
-BS 3936-1 :1992 Nursery stock - Specification for trees and shrubs.
-BS 3936-2 : 1990 Nursery Stock - Specification for roses + AMD 6628.
-BS 3936-4 : 2007 Nursery stock- Specification for forest trees.
-BS 3936-5 : 1998 Nursery stock - Specification for bulbs and prepared tubers.
-BS 3936-10 :1990 Nursery stock- Specification for ground cover shrubs.
-CPSE Committee for Plant Establishment. Handling and establishing landscape plants 1995. Part 5, paragraphs 5.7 to 5.9.
D) Glossary for Landscape Works BS 4428 1989.
E) Turf - BS 3969:1998- recommendations for turf for general purposes.
F) Seeding 1EC Regulations 1974. Use blue labelled certified varieties to EC purity and germination regulations. When requested, submit an officia seed Testing Station certification of germination, purity and composition.
G) Topsoil - BS 3882: 2015
H) Pesticides: Control of Pesticides Regulations 1997,The Health and Safety at Work Act 1974, the COSHH Regulation 2003, the product COSHH sheet Water Authority Regulations, Groundwater Regulations 2009, Control of Pollution Act 1974; Hedgerow ACT 1997; Wildlife and Countryside Act 1981; Countryside and Rights of way Act 2000.

GENERAL NOTES FOR THE DEVELOPER.

A) Tree protection
1. Any existing trees to be retained, are the responsibility of the main contractor on site who shall take all necessary protective measures set out in BS 5837:2012 to ensure no damage to stems or roots, to prevent compaction from vehicles or storage of materials, contamination of soil from spillages, damage to trees and soil/roots, or stored from change 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 as that damaged, at no cost. Protective barriers will comprise scaffolding 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
framework using wire or scaffold clamps. Tubes will be driven into the ground to a minimum depth of 600mm.
Supporting struts will be fixed to the inside of the barrier to ensure maximum rigidity.

B) Ground work

1. Soil levels: soil levels for shrub beds and grass areas should have any compacted subgrade thoroughly broken up by machine before instructing the ground worker to spread topsoil 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, (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 to a depth of 150mm after ginning and after settlement, the soil level should be no greater than 10mm below paved areas to allow for turf. For areas to be grass seeded, the soil level shall be flush with any finished paved surfaces after settlement (or to a maximum of 5mm below) to allow for rain water to drain onto soft surfaces. Contractors shall be responsible for any balances given or problems will be encountered with mowing (the blades in danger of touching concrete edgings) or where soil is proud of pavements, then pooling of surface water will be encountered.

3. Existing topsoil and imported soil shall conform to BS 3882:2007, and be free from clay, stones, rocks/bricks greater than 50mmpiece, concrete, tarmac, roots, debris and 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 sorbed on the ground using pointed pegs and string or site marker paint, achieving flowing natural arcs. Setting out shall be agreed with the landscape contractor and subsequently the landscape architect.

3. Hard surfaces shall be constructed after suitable base courses have been laid, taking full account of local site conditions, soft spots and substrata. 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 smuts (dittings) to the complete satisfaction of the Landscape Architect. The decorating contractor shall prepare the galvanized surface by degreasing, etching primer and lightly scrubbing with a scouring pad until all dirt, grease, white rust & sulphates have been removed & then allowed to dry thoroughly. Supply and paint Ironoil 6630 from Sika Ltd (tel. 01707 374444) applied with a turkshead brush strictly in accordance with the manufacturers instructions, COSHH regulations and the product COSHH sheet. Apply 2 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 Permalwood or other similar and approved company. The timber shall then be stained with 3No. coats of Sadolin "Classic" colour 'Walnut' strictly in accordance with the manufacturers instructions, COSHH Regulations 2003 and product COSHH sheet.

GENERAL NOTES

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

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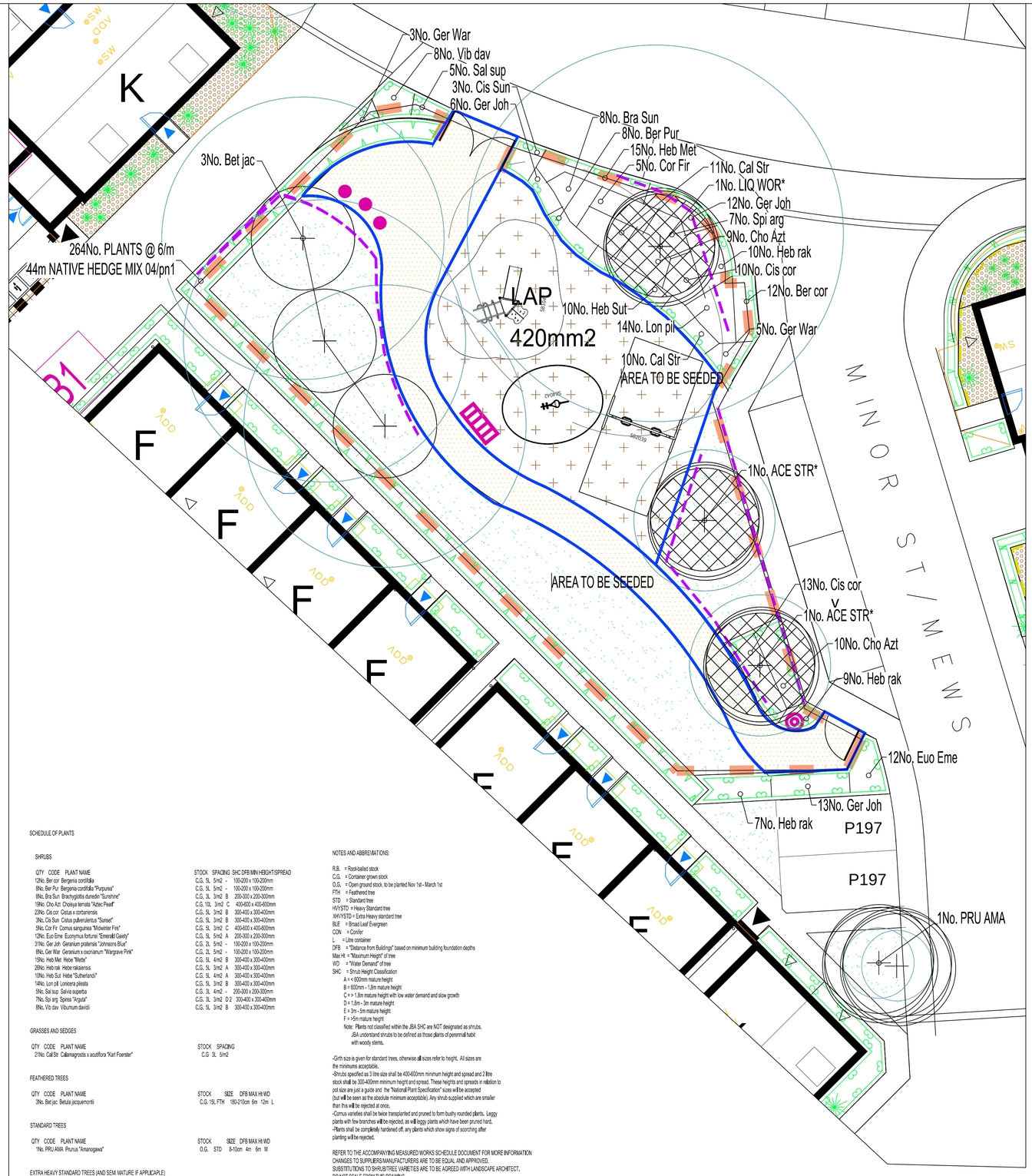


SCHEDULE OF PLANTS

SHRUBS

| QTY | CODE | PLANT NAME | STOCK | SPACING | SHC | DFB | MIN HEIGHT | SPREAD |
|---|---|---|---|---|---|---|---|---|
| 12No. | Ber cor | Bergenia cordifolia | C.G. | 5L | 5/m2 | - | 100-200 | x 100-200mm |
| 8No. | Ber Pur | Bergenia cordifolia "Purpurea" | C.G. | 5L | 5/m2 | - | 100-200 | x 100-200mm |
| 8No. | Bra Sun | Brunnera macrophylla Jacks blue" | C.G. | 5L | 5/m2 | B | 200-300 | x 200-300mm |
| 19No. | Cho Azt | Choisya ternata "Aztec Pearl" | C.G. | 10L | 3/m2 | C | 400-600 | x 400-600mm |
| 23No. | Cis cor | Cistus x corbariensis | C.G. | 5L | 3/m2 | B | 300-400 | x 300-400mm |
| 3No. | Cis Sun | Cistus pulverulentus "Sunset" | C.G. | 5L | 3/m2 | B | 300-400 | x 300-400mm |
| 5No. | Cor Fir | Cornus sanguinea "Winchester Fire" | C.G. | 5L | 3/m2 | C | 400-600 | x 400-600mm |
| 12No. | Euo Eme | Euonymus fortunei "Emerald Gaiety" | C.G. | 5L | 5/m2 | A | 200-300 | x 200-300mm |
| 31No. | Ger Joh | Geranium pratensis "Johnsons Blue" | C.G. | 2L | 5/m2 | - | 100-200 | x 100-200mm |
| 8No. | Ger War | Geranium x oxonianum "Wargrave Pink" | C.G. | 2L | 5/m2 | - | 100-200 | x 100-200mm |
| 15No. | Heb Met | Hebe "Mete" | C.G. | 5L | 4/m2 | B | 300-400 | x 300-400mm |
| 26No. | Heb rak | Hebe rakaiensis | C.G. | 5L | 3/m2 | A | 300-400 | x 300-400mm |
| 10No. | Heb Sut | Hebe "Sutherlandi" | C.G. | 5L | 4/m2 | A | 300-400 | x 300-400mm |
| 14No. | Lon pil | Lonicera pileata | C.G. | 5L | 3/m2 | B | 300-400 | x 300-400mm |
| 5No. | Sal sup | Salvia superba | C.G. | 5L | 4/m2 | - | 200-300 | x 200-300mm |
| 7No. | Spi arg | Spirea "Arguta" | C.G. | 3L | 3/m2 | D | 2 300-400 | x 300-400mm |
| 8No. | Vib dav | Viburnum davidii | C.G. | 5L | 3/m2 | B | 300-400 | x 300-400mm |

GRASSES AND SEDGES

| QTY | CODE | PLANT NAME | STOCK | SPACING |
|---|---|---|---|---|
| 21No. | Cal Str | Callamagrostis x acutiflora "Karl Foerster" | C.G | 3L 5/m2 |

FEATHERED TREES

| QTY | CODE | PLANT NAME | STOCK | SIZE | DFB | MAX HT | WD |
|---|---|---|---|---|---|---|---|
| 3No. | Bet jac | Betula jacquemontii | C.G. | 10L | FTH | 180-210cm | 6m 12m L |

STANDARD TREES

| QTY | CODE | PLANT NAME | STOCK | SIZE | DFB | MAX HT | WD |
|---|---|---|---|---|---|---|---|
| 1No. | PRU AMA | Prunus "Amanogawa" | O.G. | STD | 8-10cm | 4m | 6m M |

EXTRA HEAVY STANDARD TREES (AND SEMI MATURE IF APPLICAPLE)

| QTY | CODE | PLANT NAME | STOCK | SIZE | DFB | MAX HT | WD |
|---|---|---|---|---|---|---|---|
| 1No. | LIQ WOR* | Liquidambar styraciflua "Worplesdon" | R,B | XHYSTD | 14-18cm | 12m | 16m M |
| 2No. | ACE STR* | Acer campestre "Streetwise" | R,B | XHYSTD | 16-18cm | 6m | 8m M |

NATIVE HEDGE MIXES

| QTY | % | PLANT NAME | STOCK | SPACING | SIZE | DFB | MAX HT | W |
|---|---|---|---|---|---|---|---|---|
| 44m | | Native hedge mix 04: double staggered row | O.G. | WHP | 6m | 60-90cm | 9m | 17m L |
| 264No. | 100% | Carpinus betulus | | | | | | |

SEED MIXES

AREA SEED MIX NAME
136m2 Amenity grass mix ("Bar 11" Mix by Barenbrug, refer to Measured Works Schedule)

16m2 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
HYSTD = Heavy Standard tree
XHYSTD = Extra Heavy Standard tree
BLE = Broad Leaf Evergreen
CON = Conifer
L = Litre container
DFB = "Distance from Buildings" based on minimum building foundation depths
Max Ht = "Maximum Height" of tree
W/D = "Water Demand" of tree
SHC = Shrub Height Classification
A = < 400mm mature height
B = 600mm - 1.8m mature height
C = > 1.8m mature height with low water demand and slow growth
D = 1.8m - 3m mature height
E = 3m - 5m mature height
F = >5m mature height
Note: Plants not classified within the JBA SHC are NOT designated as shrubs. JBA understand shrubs to be defined as those plants of perennial habit with woody stems.

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

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

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# KEY

PROPOSED FEATHERED TREE, INCLUDING STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.

PROPOSED STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.

PROPOSED EXTRA HEAVY STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.

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.

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

SPECIMEN SHRUBS IN SHRUB BEDS OR PIT PLANTED IN GRASS/GRAVEL AREAS. SPECIMEN SHRUBS IN GRASS ARE MEASURED SEPARATELY IN SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1, B1-3, C1-3, D1-2 AND E1.

PLAY AREA EQUIPMENT AND SAFETY SURFACING BY MIRACLE PLAY TEL. 01604 658 240.

MIRA TODDLER SWING SB 2039

MULTIPLAY UNIT SB 1044

HORSE SPRING ROCKER SB 4042

SAFETY SURFACING TO BE WETPOUR (RUBBA SMART) SAFETY SURFACING. AVAILABLE FROM PLAY SMART UK LTD TEL.01564742811 OR SIMILAR AND APPROVED.

BENCH BY MIRACLE PLAY SB5048

BIN WITH LID BY MIRACLE PLAY SB 5083

3 X ART SEATS COLOUR RED BY BJB INNOVATIONS TEL. (01787) 246 015.

BOWTOP RAILING BY MIRACLE PLAY

FOOTPATHS WITHIN PLAY AREA TO BE BITUMEN MACADAM TO ENGINEERS SPECIFICATION. EDGING TO BE PRE-CAST CONCRETE 50 x 150mm, SQUARE/FLAT TOPPED, LAID FLUSH.

TREE ROOT BARRIER SUCH AS RE-ROOT 2000 BY GREEN BLUE URBAN.

APPROXIMATE TREE GROWTH AFTER 25YEARS.

PCC EDGDING SIZE: 915 x 250 x 50mm. AVAILABLE FROM MARSHALLS: CONTACT TEL.(03702412463) OR SIMILAR AND APPROVED. LAID FLAT TO RAISED PLANTER AREAS LAID WITH UPSTAND OF 150mm, TO BE BEDDED INTO C:20:P INSITU CONCRETE STRIP FOUNDATION HAUNCHED TO ENGINEERS SPECIFICATION.

SB5083

SB1044

SS001

SB5048

SB2039

SB4042

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

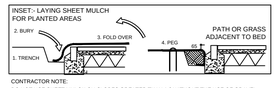
## SPECIFICATION FOR "COVERTEX" SHEET MULCH FOR PLANTED AREAS

INTRODUCTION

"COVERTEX" is a woven black polypropolene 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

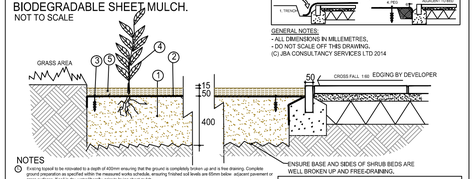
1. Prepare and Cultivate imported or existing topsoil including fertilizers as necessary and water to field capacity.
N.B. Ensure that the finished soil level is at least 65mm below adjacent pavement or grass levels to receive sheet and bark mulch. For sloping beds ensure that soil levels are 65mm below pavements or grass areas within 600mm of bed edges.
2. Place coverlex 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 metal pegs at 500mm centres. (300mm centres @ edges of beds) Metal hoops for pegging purposes.
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 the sheet if fraible. Remove all compacted 'wads' of fibre around the stem of each plant on top of sheet.
8. Once all the plants are planted, cover the fabric all over with 50mm of Melcourt Industries "Rustic Blomulch".
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).




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.

## 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 removal of all perennial weeds. Fine grade and remove all stones and debris exceeding 50mm in any dimension. Remove all existing grass surfaces. If soil is dry, thoroughly water to field capacity before adjacent mulch is laid.
2. Suitable biodegradable sheet mulch to be unrolled and placed in overlapping rows (overlap to be a minimum of 300mm). To be laid by hand. 200ml flap of material at the extreme edges of the shrub area, and folding over itself (refer to inset on sheet mulch specification). Tuck in sheet on the opposite side of the proposed shrub area and fasten down to bucket 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 @ 300mm.
4. Cut through pit plant shrubs through sheeting. Refer to pit planting through sheet mulch specification.
5. *Coarse grades tree of Pinus large wood chip mulch* to be delivered from spray 2/4 months minimum) available from Edwards of Blandon Tel: (01842) 810555. Mulch to cover all of biodegradable fabric to a min depth of 50mm once all plants are planted. Ensure Trunfield levels are 15mm below adjacent turf or hard surfaces.

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

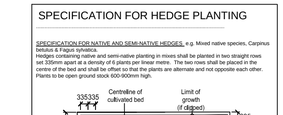
PIT PLANTING THROUGH SHEET MULCH SPECIFICATION

A) Cut an "+" shape in the fabric with scissors or sharp knife for each plant position, Each cut to be approximately 300mm - 500mm depending on the size of the shrub.
B) Fold back the fabric using stones etc and excavate pits of appropriate size, for example - 330mm depth and 300mm radius of stem, for plants specified in 15L containers.
C) Backfill pits with a mix of topsoil and compost, 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) Apply a handful of fertilizer around each plant, such as Path Vita "04 HN" fertilizer to suppliers instructions and 25L root grow compost per 4 plants.
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 which is to be in contact with the sun.
H) Water plants with 20L/plant for 15L sizes and 10L/plant for 3L or smaller stock using a fine sorry fitted to a hose.
I) Spread *coarse grades tree* of trees large wood chip mulch* 50mm deep, if matched surface levels to be 15mm below adjacent turf or paving.

## SPECIFICATION FOR HEDGE PLANTING

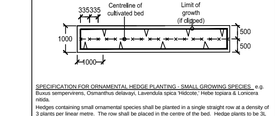
SPECIFICATION FOR NATIVE AND SEMI-NATIVE HEDGES, e.g. Mixed native species, Carpinus betulus & Fagus sylvatica

Hedges containing native and semi-native planting in mixes shall be planted in two straight rows set 330mm 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 450-600mm high.



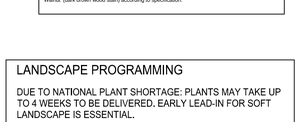

SPECIFICATION FOR ORNAMENTAL HEDGE PLANTING - LARGE GROWING SPECIES, e.g. Osmanthus heterophyllus, Ligustrum ovalifolium, Viburnum tinus, Cotoneaster lacteus, Euonymus japonicus 'Aureopictus', Escallonia 'Apple Blossom' & Griselinia littoralis.

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




SPECIFICATION FOR ORNAMENTAL HEDGE PLANTING - SMALL GROWING SPECIES, e.g. Buxus sempervirens, Osmanthus delavayi, Lavandula spica 'Hidcote', Hebe hybrids & Lonicera nitida.

Hedges containing small ornamental species shall be planted in a single straight row at a density of 3 plants per linear metre. The row shall be placed in the centre of the bed. Hedge plants to be 3L container grown stock, 300-400mm height and spread unless otherwise stated.




NB. Hedges adjacent to gravel areas shall have the cultivated strip separated from gravel by a timber edge 75 x 50mm of ACQ treated timber stained with 3No. coats of Sadolin 'Classic' colour 'Walnut' (dark brown wood stain) according to specification.

## LANDSCAPE PROGRAMMING

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

| REV. | DATE | INITIALS | DETAILS |
|---|---|---|---|
| C | 21/11/2017 | JM | UPDATED TO LPA COMMENTS |
| B | 15/11/2017 | JM | UPDATED TO LPA COMMENTS |
| A | 09/10/2017 | JM | UPDATED TO LPA COMMENTS |

GENERAL NOTES:
- ALL DIMENSIONS IN MILLEMETRES.
- DO NOT SCALE OFF THIS DRAWING.
(C) JBA CONSULTANCY SERVICES LTD 2014

| CLIENT | DWG. TITLE |
|---|---|
| BOVIS HOMES | DETAILED SOFT LANDSCAPE PROPOSALS FOR PLAY AREA |
| SITE | |
| KINGSMERE, BICESTER | |
| PURPOSE OF ISSUE | |
| PLANNING | |

| DRG BY | CHECKED | AUTH'D | SCALE | DATE | DWG NO. | REV. |
|---|---|---|---|---|---|---|
| JM | JBA | JBA | 1:100 @A1 | 09/2017 | JBA 17/081-07 | C |

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LANDSCAPE ARCHITECTURE o ARBORICULTURE o ECOLOGY

Jobs than May - 26/05/2015 - K:\JBA\Client Projects\Bovis Homes\Bovis Central\Bicester 17-081\Drawings\JBA MASTER.JBA 17 081 Bicester detailed play area REV C.dwg