SPECIFICATION NOTES - REFER ALSO TO THE TENDER DOCUMENT.

1.0 Setting out

1.1 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 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.

1.2 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 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 drawn, the contractor shall re- cultivate them to the specified width at his own expense.

2.0 Ground preparation

2.1 Pre-planting herbicide application:- Apply by suitable spraying apparatus, an approved translocated systemic herbicide to the manufacturer's instructions and to 1997 Control of Pesticides Regulations and 2020 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 no weeds are showing but planting is delayed, 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. Do not spray near a water body. Repeat as necessary to ensure complete kill and rake off all dead material from site.

2.2 Carry out the following works to the existing topsoil on site to ensure it Conforms to BS 3882:2015, being free from rocks larger than 50n diameter, 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 Hortibase CRF (16-8-12) slow release fertiliser, 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 450mm, 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 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.

2.3. 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, within 400-600mm of edges to ensure bark or wood chip mulches are retained. Where grass is proposed adjacent to paving, then the soil level shall be flush with the 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 and topsoil. Where beds are sloping, 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.

2.4 Sloping ground that is shown to be turfed where there is paving adjacent to it topsoil levels of the grass areas shall be graded to finish flush with the finished pavement level 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 mm below pavement edges will cause mower damage on cutting.

2.5 Imported topsoil (where specified and sanctioned by the employer) for making-up ground, shall conform to BS 3882: 2015, 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.

3.0 Planting

3.1 All planting must be carried out in accordance with the tender document, and accompanying drawings. Refer to the tender document for the preparation of existing topsoil and required depths for planting, turfing, and trees, and also for contractual maintenance requirements.

3.2 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 via prior written agreement, a substitution has been agreed by the inspecting landscape architect. All plants shall be true to size specified in the schedule of plants and associated notes, (2L pots are 17cm diameter and 13cm deep, 3L pots are 19cm diameter and 15cm deep, 5L pots are 22.5cm diameter and 18cm deep, 10L pots are 26cm diameter and 22.5cm deep, 15L pots are 32cm diameter and 30cm deep, 25L pots are 38.5cm diameter and 35cm deep, 30L pots are 41cm diameter and 36cm deep, 40L pots are 50cm diameter and 45cm deep, 50L pots are 55cm diameter and 50cm deep).The pot sizes will be checked on site to ensure compliance with those specified. Pots will be rejected if shrubs are supplied of a size which are not fully grown into the pot e.g. a 9cm plant recently potted into a 3L container. All shrubs, shall possess a height and spread in accordance with the plant schedule. Anything less than RTA National Plant Specification standards for each species and pot size will be rejected. Plant stock shall be bushy, healthy, disease free, 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, will be rejected and shall be lifted and replaced at the contractor's expense.

3.3 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 50 litres per tree position. Water thereafter during the contract period at weekly intervals with 30 litres of water per tree position.

3.4 Proposed feathered trees to be true to the species, variety and size as specified on the planting plan, to include 1.8m long, 100mm diameter, chestnut stake above ground dimension to be 1/3 the height of the tree, stakes to be driven vertically and 1No. sackcloth or rubber tie, with spacing device, all positioned 25mm maximum from the top of the post.

3.5 Proposed standard trees to be true to the species, variety and size as specified on the planting plan, to include 2No. 2.0m long, 100mm diameter, chestnut stakes, above ground dimension to be 1/3 the height of the tree, stakes to be driven vertically, supply and fix securely (twice screwed to each end) a half round cross brace (100mm diameter) with rubber spacer block fixed between tree stem and the cross brace and secured with 1No. sackcloth or rubber tie so the tree is securely restrained and there is no chance of the the stem chafing with the cross brace.

3.6 Turf to be of cultivated grade such as Rolawn "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. insure that the turf is laid flat and is free from hollows, lumps and bumps, cracks or brown or dried patches or other defects and that turf is well watered before before laying and again after laying. Turf areas shall be taped off using high-vis tape until well established. Access shall be only with timber scaffold planks to prevent compaction.

3.7 Self clinging climbing shrubs or wall shrubs, with "S" written 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 tightly between the fixings. Train the climber to the wire with plastic coated garden wire tags.

3.8 Twining varieties of climber, with "T" written 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 1.8m 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 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 phyto-toxic preservative and then painted with a dark brown non phyto-toxic preservative wood stain such as Sadolin "Classic" Jacobean 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.

3.9 Climbers specified outside proposed shrub beds shall have specially prepared climber pits. Climber pits shall be 400mm x 400mm and 450mm 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 Hortibase CRF (16-8-12) slow release fertiliser. Water with 20 litres of water per climber pit.

4.0 Mulch

4.1 Supply and spread suitable biodegradeable 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.

4.2 Following planting, supply and spread evenly "Rustic" Wood Chip, available from CPA horticulture tel:01994 231121 to a depth of 50mm evenly spread over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels, 300-400mm of bed edges, 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-fines, large particled, brown wood chip to reduce weed growth, reduce wind blow and prevent break down and rotting.

5.0 BS codes

5.1 All workmanship and materials shall conform to the following codes:-

5.1.1 General landscape operations (excluding hard surfaces) - BS 4428:1989.

5.1.2 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 Works 1996.

5.1.3 Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2010".

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 3936-9 : 1998 Nursery stock- Specification forbulbs, corms and tubers.

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

-CPSE-Committee for Plant Establishment, Handling and establishing landscape plants 1996, Part 3, paragraphs 6.2. to 6.6.

5.1.4 Glossary for Landscape Works BS 4428 :1989

5.1.5 Turf :- BS 3969:1998 + A1:2013 - recommendations for turf for general purposes.

5.1.6 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.

5.1.7 Topsoil - BS :3882: 2015

5.1.8 Pesticides; Control of Pesticides Regulations 1997;The Health and Safety at Work Act 1974(2005); the COSHH Regulation 2020 and the product COSHH sheet. The Water Act 2014; the Floods and Water Amendment (EU Exit) Regulations 2019; 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.

6.0 Tree protection

6.1 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, 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 this
framework with 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.

6.2 Ground work

6.2.1 Soil levels: soil levels for shrub beds and grass areas should have any compacted subgrade thoroughly broken up by machine before instructing the ground worker to spread topsoil or the landscape contractor to commence work or the beds will become waterlogged in wet weather and the plants and turf will die.

6.2.2 Top soil depth: Topsoil spread from the site should be to the following minimum depths:- Shrub beds: 450mm. 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. Tree pits will be dug by the landscape contractor. Top soil for turf areas shall be spread to a level 10mm below paving inorder to receive the turf. Topsoil for grass seed areas, the soil level shall be flush with any finished paved surfaces after settlement to allow for rain water to drain onto soft surfaces. Settlement shall be no greater than 5mm 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.

6.3. Existing topsoil and imported soil shall conform to BS 3882:2015, and be free from compaction, rocks/bricks greater than 50mm diameter, concrete, wire, roots, debris, oil, cement and builders rubble. Soil shall have a clay content of less than 20%.

7.0 Hardworks

7.1 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.

7.2 All paths and edgings shall be set out properly to lines and radii, with all curves scribed on the ground using pointed pegs and string or site marker paint, achieving flowing natural arcs. Setting out shall be agreed with the landscape contractor and subsequently the landscape architect.

7.3 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.

7.4 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 smuts (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 'knock 66/30' from Sika Ltd (tel. 01707 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.

7.5 All wood work shall be pressure treated with Tanalith "E" water based wood preservative, applied by vacuum pressure. The timber shall then be stained with 3No. coats of Sadolin 'Classic,' colour 'Jacobean Walnut' strictly in accordance with the manufacturers instructions, COSHH Regulations 2020 and product COSHH sheet.

GENERAL NOTES

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

(C)JAMES BLAKE ASSOCIATES LTD 2022

DRAWING LOCATION PLAN

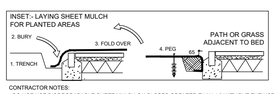
SPECIFICATION FOR BIODEGRADABLE SHEET MULCH FOR PLANTING

INTRODUCTION

Biodegradable sheet mulch is a woven, natural fibre, biodegradable fabric of sufficient strength to last 3-6 months to ensure weed suppression and successful plant establishment when newly disturbed soil triggers significant weed generation. The water porous product helps the ground stay moist and weed free, speeding plant growth and establishment greatly.

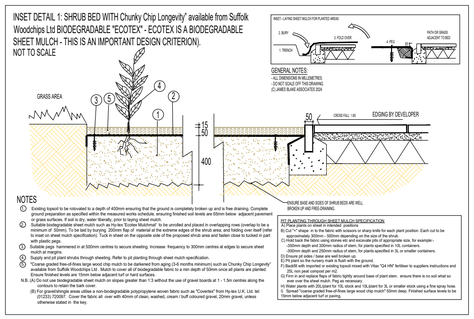
SPECIFICATION

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 800mm of bed edges.
2. Place suitable biodegradable sheet mulch over soil to be planted. Unroll materials, placing in overlapping rows (overlap to be no less than 50mm).
3. Bury 200mm flap of material at the extreme edges of the planting bed, or nail to concrete haunch of path edging with masonary nails @ 1m centres
4. Secure material in position by hammering in 300mm plastic pegs at 500mm centres. (300mm centres @ edges of beds).
5. Place plants on beds in intended positions.
6. Cut the fabric with skissors in "+" shape for each plant position, 400mm across.
7. Pit plant the plants, holding back the flaps of fabric, and carefully replace around the stem. Spread topsoil under sheet if friable. Remove all compacted topsoil clods from site, ensure no soil is left on top of sheet.
8. Once all the plants are planted, cover the fabric all over with 50mm of coarse, graded, free of fines large wood chip mulch available from Edwards of Brandon Tel: 01842 813555.
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 NOTES:
- 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.
- FOR GRAVEL/SHINGLE AREAS UTILISE A NON-BIODEGRADABLE POLYPROPYLENE WOVEN FABRIC SUCH AS "COVERTEX" FROM HY-TEX U.K. LTD. TEL: (01233) 720097.

INSET DETAIL 1: SHRUB BED WITH Chunky Chip Longevity" available from Suffolk Woodchips Ltd BIODEGRADABLE "ECOTEX" - ECOTEX IS A BIODEGRADABLE SHEET MULCH - THIS IS AN IMPORTANT DESIGN CRITERION). NOT TO SCALE



NOTES
1. Existing topsoil to be rotovated to a depth of 450mm ensuring that the ground is completely broken up and is free draining. Complete cultivations as specified including the removal of any stones exceeding 50mm. Ensure finished soil levels are 65mm below adjacent pavement or grass surfaces. If soil is dry, water liberally, prior to laying sheet mulch.
2. Suitable biodegradable sheet mulch such as Hy-tex "Ecotex Multimat" to be unrolled and placed in overlapping rows (overlap to be a minimum of 50mm). 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. Cut fabric to fit around plants with skissors in the shape of a "+" sign. Ensure that the fabric is pulled to meet on sheet mulch specifications. Cuts in sheet on the opposite side of the proposed shrub area and fasten down to fucktail in part with plants 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 pit plant shrubs through sheeting. Refer to pit planting through sheet mulch specification.
5. "Coarse graded free-of-fines large wood chip mulch to be delivered from aging (3-6 months minimum) such as Chunky Chip Longevity" available from Suffolk Woodchips Ltd. Make sure that the chip mulch is delivered and fashioned to a min depth of 50mm once all plants are planted. Ensure finished levels are 10mm 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, cream / buff coloured gravel, 20mm gravel, unless otherwise stated in the key.

PIT PLANTING THROUGH SHEET MULCH SPECIFICATION:
A) Place plants on sheet in intended positions
B) Cut "+" shaped holes in sheet with scissors or sharp knife for each plant position. Each cut to be approximately 300mm - 400mm square, depending on the size of the shrub.
C) Hold back the fabric using stones etc and excavate pits of appropriate size, for example:-
- 200mm depth and 300mm radius of stem, for plants specified in 1lt. containers.
- 300mm depth and 200mm radius of stem, for plants specified in 3L or smaller containers.
D) Plant shrubs at the same depth as in the pot.
E) Pit plant so the nursery mark is flush with the ground.
F) Backfill with imported or existing topsoil mixed with 1No "Gil 4M" fertiliser to suppliers instructions and 1No. Rootgrow to suppliers instructions.
G) Firm in and replace flaps of fabric tightly around base of plant stem. ensure there is no soil what so ever over the sheet mulch. Peg as necessary.
H) Mulch around the plant, over the sheet mulch and 100,plant for 3L or smaller stock using a fine spray hose.
I) Spread 75mm+ prated free-of-fines large wood chip mulch* 50mm deep. Finished surface levels to be 10mm below adjacent turf or paving.

SCHEDULE OF PLANTS

SHRUBS

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB	MIN HEIGHT/SPREAD
17No.	Abe Kal	Abelia x grandiflora "Kaleidoscope"	C.G. 5L	5/m2	B		300-400 x 300-400mm
64No.	Auc Var	Aucuba japonica "Variegata"	C.G. 10L	3/m2	C		600-800 x 600-800mm
54No.	Ber Pur	Bergenia cordifolia "Purpurea"	C.G. 5L	4/m2	-		100-200 x 100-200mm
27No.	Bra Sun	Brachyglottis dunedin "Sunshine"	C.G. 5L	3/m2	B		200-300 x 200-300mm
152No.	Cho Act	Choisya ternata "Aztec Pearl"	C.G. 10L	3/m2	C		400-600 x 400-600mm
29No.	Cho Gol	Choisya dewitteana "Aztec Gold"	C.G. 10L	3/m2	C		400-600 x 400-600mm
111No.	Cho Sun	Choisya ternata 'Sundance"	C.G. 10L	3/m2	C		400-600 x 400-600mm
73No.	Cis cor	Cistus x corbariensis	C.G. 5L	3/m2	B		300-400 x 300-400mm
33No.	Cis Sun	Cistus pulverulentus "Sunset"	C.G. 5L	3/m2	B		300-400 x 300-400mm
21No.	Cis Dec	Cistus x dansereaui "Decumbens"	C.G. 5L	3/m2	B		300-400 x 300-400mm
17No.	Cor Fir	Cornus sanguinea "Midwinter Fire"	C.G. 5L	3/m2	C		400-600 x 400-600mm
6No.	Cor Spa	Cornus alba "Spaethii"	C.G. 5L	3/m2	D	2.25	400-600 x 400-600mm
194No.	Euo Aur	Euonymus japonicus "Ovatus Aureus"	C.G. 5L	3/m2	C		400-600 x 400-600mm
17No.	Euo Eme	Euonymus fortunei 'Emerald Gaiety"	C.G. 3L	5/m2	A		200-300 x 200-300mm
262No.	Euo Gol	Euonymus fortunei "Emerald 'n' Gold"	C.G. 3L	5/m2	A		300-400 x 300-400mm
6No.	Eux Bra	Euonymus japonicus "Bravo"	C.G. 10L	3/m2	B		600-800 x 600-800mm
25No.	Eux Blo	Euonymus fortunei "Blondi"	C.G. 5L	3/m2	B		300-400 x 300-400mm
18No.	Euo Pre	Euonymus "President Gaulitier"	C.G. 5L	3/m2	B		300-400 x 300-400mm
41No.	Ger War	Geranium x oxonianum "Wargrave Pink"	C.G. 3L	5/m2	-		100-200 x 100-200mm
4No.	Heb Mid	Hebe "Midsummer Beauty"	C.G. 5L	3/m2	D	1.5	300-400 x 300-400mm
160No.	Heb Mat	Hebe "Mattie"	C.G. 3L	4/m2	B		300-400 x 300-400mm
3No.	Heb Mrs	Hebe "Mrs. Winder"	C.G. 5L	4/m2	B		300-400 x 300-400mm
239No.	Heb rak	Hebe rakaiensis	*C.G. 10L	3/m2	A		300-400 x 300-400mm
4No.	Hyd Ren	Hydrangea macrophylla"Renate steiniger	*C.G. 10L	3/m2	C		400-600 x 400-600mm
57No.	Hyp Hid	Hypericum "Hidcote"	C.G. 5L	3/m2	C		600-800 x 600-800mm
15No.	Lav Hid	Lavandula angustifolia "Hidcote"	C.G. 5L	4/m2	A		300-400 x 300-400mm
14No.	Lon May	Lonicera nitida "Maygreen"	C.G. 3L	3/m2	C		300-400 x 300-400mm
34No.	Lon pil	Lonicera pileata	C.G. 3L	3/m2	B		300-400 x 300-400mm
10No.	Nan Fir	Nandina domestica "Fire power"	C.G. 5L	3/m2	B		300-400 x 300-400mm
42No.	Nan Lem	Nandina domestica "Lemlim"	C.G. 5L	3/m2	B		300-400 x 300-400mm
31No.	Pho Jes	Phormium "Jester"	C.G. 10L	3/m2	-		800-1000x 800-1000mm
39No.	Pho Yel	Phormium "Yellow Wave"	C.G. 10L	3/m2	-		800-1000x 800-1000mm
29No.	Pho Pro	Photinia x fraseri "Little Red Robin"	C.G. 5L	3/m2	B		300-400 x 300-400mm
5No.	Pot Red	Potentilla fruticosa "Red Ace"	C.G. 3L	5/m2	B		400-600 x 400-600mm
47No.	Pru Ott	Prunus laurocerasus "Otto Luyken"	C.G. 5L	3/m2	B		400-600 x 400-600mm
9No.	Rho Flo	Rhododendron "Flower Carpet"	C.G. 3L	3/m2	B		300-400 x 300-400mm
5No.	Sar con	Sarcococca confusa	C.G. 3L	4/m2	D	1.5	200-300 x 200-300mm
92No.	Spi Gol	Spirea japonica "Goldflame"	C.G. 5L	3/m2	B		300-400 x 300-400mm
55No.	Spi Ogo	Spirea thunbergii "Ogon"	C.G. 5L	3/m2	B		300-400 x 300-400mm
109No.	Vib dav	Viburnum davidii	C.G. 5L	3/m2	B		300-400 x 300-400mm

GRASSES AND SEDGES

QTY	CODE	PLANT NAME	STOCK	SPACING
5No.	Car buc	Carex buchananii	C.G	3L 5/m2
24No.	Car Eve	Carex oshimensis "Evergold"	C.G.	3L 5/m2
46No.	Hak Aur	Hakonechloa macra "Aureola"	C.G.	3L 5/m2
21No.	Sti aru	Stipa arundinacea	C.G.	3L 5/m2
5No.	Sti ten	Stipa tenuissima	C.G.	3L 5/m2

SPECIMENS PLANTED IN BEDS, GRASS OR GRAVEL

QTY	CODE	PLANT NAME	STOCK	SHC	DFB
2No.	AUC VAR	Aucuba japonica "Variegata"	C.G. 10L		C
32No.	COR AVE*	Corylus avellana	O.G. WHP		E 3.75
36No.	COR SAN*	Cornus sanguinea	O.G. WHP		E 2.25
8No.	CHO AZT	Choisya ternata "Aztec Pearl"	C.G. 10L		C
31No.	CRA MON*	Crataegus monogyna	O.G. WHP		13
5No.	FAG SYL*	Fagus sylvatica	O.G. WHP		20
10No.	HYD QUE	Hydrangea quercifolia	O.G. 10L		D 1.5
8No.	ILE AQU*	Ilex aquifolium	C.G. 10L		F 6
14No.	LIG VUL*	Ligustrum vulgare	C.G. 3L		F 6
5No.	MAL SYL*	Malus sylvestris	O.G.FTH		8
34No.	PHO JES	Phormium tenax "Jester"	C.G. 10L		-
7No.	PRU SPP	Prunus spinosa	C.G. FTH		6
5No.	ROS ARV*	Rosa arvensis	O.G. WHP		D 1.5
25No.	VIB OPU*	Viburnum opulus "Notcutts Var."	O.G. WHP		E 3.75
6No.	ver bon	Verbena bonariensis	C.G. 2L		-
3No.	ger roz	Geranium 'Rozanne'	C.G. 2L		-
3No.	cal kar	Calamagrostis x acutiflora 'Karl Foerester'	C.G. 2L		-

BULB PLANTING MIXES

QTY	%	PLANT NAME	STOCK	SPACING
16m2		Bulb planting mix A		
32No.	10%	Crocus 'Dutch Yellow"	bulb	20/m2
32No.	10%	Galanthus nivalis	bulb	20/m2
64No.	20%	Narcissus "Panache"	bulb	20/m2
160No.	50%	Hyacinthoides non-scripta	bulb	20/m2
32No.	10%	Leucojum vernum	bulb	20/m2

FEATHERED TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX.HT/WD
12No.	Ace cam	Acer campestre	O.G.	FTH	180-210cm	17m 22m M
2No.	Aln cor	Alnus cordata	O.G.	FTH	180-210cm	12m 15m M
13No.	Ala glu	Alnus glutinosa	O.G.	FTH	180-210cm	14m 18m M
19No.	Bet pen	Betula pendula	C.G.	15L FTH	180-210cm	7m 14m L
11No.	Car bet	Carpinus betulus	O.G.	FTH	180-210cm	9m 17m L
2No.	Fag syl	Fagus sylvatica	C.G.	15L FTH	180-210cm	15m 20m M
12No.	Mal sar	Malus "John Downie"	O.G.	FTH	180-210cm	5m 8m M
6No.	Mal syl	Malus sylvestris	O.G.	FTH	180-210cm	8m 10m M
2No.	Pru Pis	Prunus avium "Plena"	O.G.	FTH	180-210cm	13m 17m M
4No.	Que rob	Quercus robur	C.G.	15L FTH	200-250cm	25m 20m H

STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX.HT/WD
4No.	CAR BET	Carpinus betulus	O.G.	STD	8-10cm	9m 17m L
5No.	CAR FRA	Carpinus betulus "Frans Fontaine"	O.G.	STD	8-10cm	9m 16m L
7No.	CRA MON	Crataegus monogyna	O.G.	STD	8-10cm	13m 10m H
1No.	PRU AMA	Prunus "Amanogawa"	O.G.	STD	8-10cm	4m 6m M
1No.	PYR CHA	Pyrus calleryana "Chanticleer"	O.G.	STD	8-10cm	6m 8m M
1No.	QUE ROB	Quercus robur	C.G.	25L STD	10-12cm	25m 20m H
5No.	TIL COR	Tilia cordata	O.G.	STD	10-12cm	17m 22m M

HEAVY STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX.HT/WD
2No.	CAR LUC*	Carpinus betulus "Lucas"	R.B.	HVYSTD	12-14cm	5m 10m L
3No.	TIL STR*	Tilia cordata	R.B.	HVYSTD	12-14cm	17m 22m M

EXTRA HEAVY STANDARD AND SEMI MATURE TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX.HT/WD
6No.	ACE NAN*	Acer campestre "Nanum"	R.B.	XHYSTD	14-16cm	4m 6m M
8No.	ACE STR*	Acer campestre "Streetwise"	R.B.	XHYSTD	14-16cm	6m 8m M
4No.	AME ROB*	Amelanchier lamarckii "Robin Hill"	R.B.	XHYSTD	14-16cm	7m 8m M
7No.	CAR BET*	Carpinus betulus	R.B	XHYSTD	14-16cm	9m 17m L
3No.	CAR LUC*	Carpinus betulus "Lucas"	R.B	XHYSTD	14-16cm	5m 10m L
7No.	PRU LAM*	Prunus x eminens "Umbraculifera"	R.B.	XHYSTD	14-16cm	4m 6m M
13No.	PYR CHA*	Pyrus calleryana "Chanticleer"	R.B	XHYSTD	14-16cm	6m 8m M

ORNAMENTAL HEDGE PLANTING

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB
13m		Hedge type 01 Single row				
39No.	Vib bri	Viburnum tinus "Eve Price"	C.G.	3L	3/m	D 2.25
48m		Hedge type 06 Single row				
129No.	Euo Aur	Euonymus japonicus "Aureopictus"	C.G.	3L	3/m	C
123m		Hedge type 16 Single row				
369No.	Euo Jea	Euonymus japonicus "Jean Hugues"	C.G.	2L	5/m	B

NATIVE HEDGE MIXES

QTY	%	PLANT NAME	STOCK	SPACING	SIZE	DFB	MAX.HT W
244m		Native hedge mix 02: double staggered row					
293No.	20%	Cornus sanguinea	O.G.	WHP	6/m	60-90cm	2.5m 3m M
293No.	20%	Rosa canina	O.G.	WHP	6/m	60-90cm	2m 2m M
293No.	20%	Viburnum opulus	O.G.	WHP	6/m	60-90cm	4m 5m M
293No.	20%	Corylus avellana	O.G.	WHP	6/m	60-90cm	4m 8m L
293No.	20%	Rosa arvensis	O.G.	WHP	6/m	60-90cm	2m 2m M

PLANT MIXES

QTY	%	PLANT NAME	STOCK	SPACING	SIZE	DFB	MAX.HT
3m2		GROUND COVER MIX A (individual species to be planted in groups of approx 20)					
1No.	10%	Hebe rakaiensis	C.G. 3L	3/m2			
2No.	20%	Euonymus "Emerald & Gold"	C.G. 3L	3/m2			
3No.	30%	Lonicera "Maygreen"	C.G. 3L	3/m2			
4No.	40%	Rosa grosue	C.G. 3L	3/m2			
30m2		GENERAL AMENITY GROUND COVER MIX A (individual species to be planted in groups of 20)					
23No.	25%	Euonymous fortunei "Coloratus"	C.G. 3L	3/m2			
23No.	25%	Euonymus 'Emerald Gaiety"	C.G. 3