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 aparatus, 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 50m 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 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 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 28cm diameter and 22.5cm deep, 15L pots are 33cm 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 HTA 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 1.6m 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 fertilizer. 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 Chunky Chip Longevity" available from Suffolk Woodchips Ltd 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 spilages, 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 'Icosit 6630' 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 Tanolith "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.

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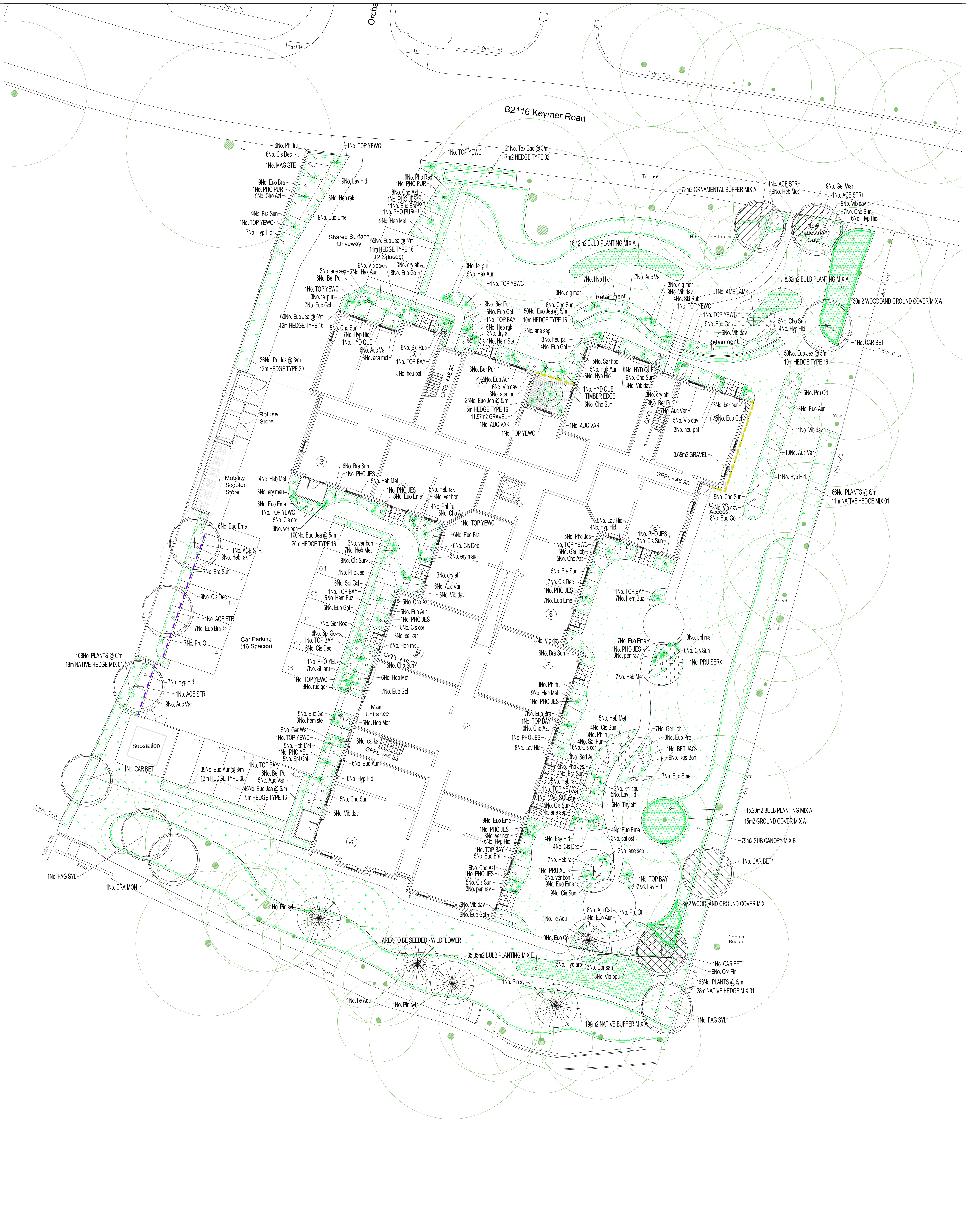
LANDSCAPE PROGRAMMING

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

GENERAL NOTES

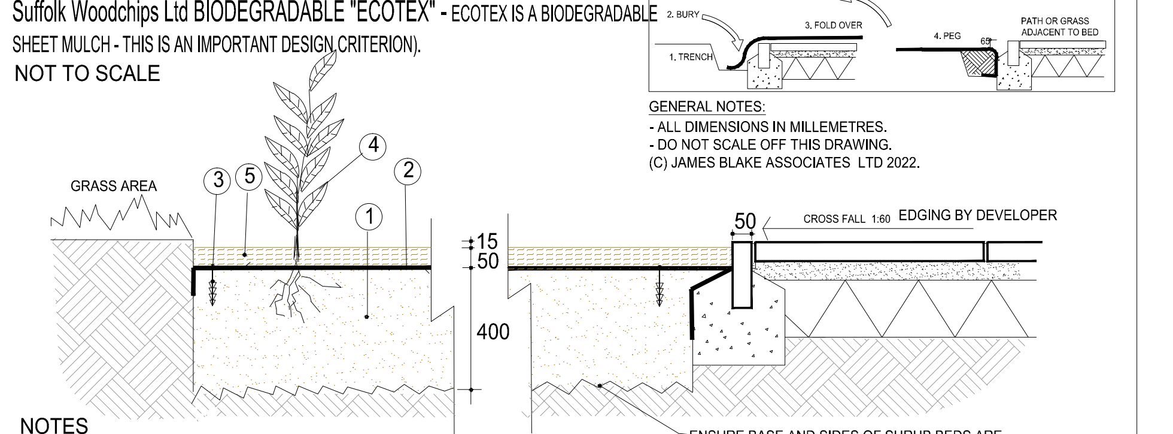
-ALL DIMENSIONS IN MILLIMETRES
-DO NOT SCALE OFF THIS DRAWING
-ALL DIMENSIONS TO BE CHECKED ON SITE

(C)JAMES BLAKE ASSOCIATES LTD 2024



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


GRASS AREA
1
2
3
4
5
15
50
400
50
CROSS FALL 1:60
EDGING BY DEVELOPER
ENSURE BASE AND SIDES OF SHRUB BEDS ARE WELL BROKEN UP AND FREE-DRAINING.
INSET:- LAYING SHEET MULCH FOR PLANTED AREAS
1. TRENCH
2. BURY
3. FOLD OVER
4. PEG
65
PATH OR GRASS ADJACENT TO BED

GENERAL NOTES:
- ALL DIMENSIONS IN MILLEMETRES.
- DO NOT SCALE OFF THIS DRAWING.
(C) JAMES BLAKE ASSOCIATES LTD 2022.

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 surfaces. If soil is dry, water liberally, prior to laying sheet mulch.
2. Suitable biodegradable sheet mulch such as Hy-tex 'Ecotex Mulchmat' to be unrolled and placed in overlapping rows (overlap to be a minimum of 50mm). To be laid by burying 200mm flap of material at the extreme edges of the shrub area; and folding over itself (refer to inset on sheet mulch specification). Tuck in sheet on the opposite side of the proposed shrub area and fasten close to tucked 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 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 darkened from aging (3-6 months minimum) available from Chunky Chip Longevity" available from Suffolk Woodchips Ltd . 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 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 "+" shape in to 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.
C) Hold back the fabric using stones etc and excavate pits of appropriate size, for example:-
-350mm depth and 300mm radius of stem, for plants specified in 10L containers.
-300mm depth and 250mm radius of stem, for plants specified in 3L or smaller containers.
D) Ensure pit sides / base are well broken up.
E) Pit plant so the nursery mark is flush with the ground.
F) Backfill with imported or existing topsoil mixed with Vitax "Q4 HN" fertiliser to suppliers instructions and 25L non peat 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 over the sheet mulch. Peg as necessary.
H) Water plants with 20L/plant for 10L stock and 10L/plant for 3L or smaller stock using a fine spray hose.
I) Spread "coarse graded free-of-fines large wood chip mulch" 50mm deep. Finished surface levels to be 15mm below adjacent turf or paving.

CDM RISK ASSESSMENT

Within this CDM risk assessment any risk has been reviewed during the design stages and in house checking procedure. The purpose of this notification is to identify any significant hazards related to design work by James Blake Associates only, which constitutes to a significant hazard being defined as a unforeseeable hazard which is not likely to be obvious to a competent contractor or other designer or unusual or difficult to manage effectively. This is in accordance with Regulation 13 (Requirements of the Designer) of the CDM Regulations 1994 (amended 2015).

It is assumed that other designers or contractors have been notified by the client , principle designer or principle contractor of an pre existing hazards or difficulties of management situations present. 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
EXCAVATION OF TREE PITS NEAR OR ADJACENT TO UNDERGROUND SERVICES	HIGH	DAMAGE TO SERVICES AND HAZARD TO SAFETY OF WORKERS

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

SCHEDULE OF PLANTS

SHRUBS

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB	MIN HEIGHT/SPREAD
8No.	Aju Cat	Ajuga reptans "Catlins Giant"	C.G. 2L	5/m2	-		100-200 x 100-200mm
50No.	Auc Var	Aucuba japonica "Variegata"	C.G. 10L	3/m2	C		600-800 x 600-800mm
42No.	Ber Pur	Bergenia cordifolia "Purpurea"	C.G. 5L	4/m2	-		100-200 x 100-200mm
37No.	Bra Sun	Brachyglottis dunedin "Sunshine"	C.G. 5L	3/m2	B		200-300 x 200-300mm
44No.	Cho Azt	Choisya ternata "Aztec Pearl"	C.G. 10L	3/m2	C		400-600 x 400-600mm
55No.	Cho Sun	Choisya ternata "Sundance"	C.G. 10L	3/m2	C		400-600 x 400-600mm
19No.	Cis cor	Cistus x corbariensis	C.G. 5L	3/m2	B		300-400 x 300-400mm
44No.	Cis Sun	Cistus pulverulentus "Sunset"	C.G. 5L	3/m2	B		300-400 x 300-400mm
40No.	Cis Dec	Cistus x dansereaui "Decumbens"	C.G. 5L	4/m2	B		300-400 x 300-400mm
6No.	Cor Fir	Cornus sanguinea "Midwinter Fire"	C.G. 5L	3/m2	C		400-600 x 400-600mm
3No.	Cor san	Cornus sanguinea	C.G. 3L	3/m2	E	2.25	400-600 x 400-600mm
32No.	Euo Aur	Euonymus japonicus "Ovatus Aureus"	C.G. 10L	3/m2	C		400-600 x 400-600mm
9No.	Euo Col	Euonymus fortunei "Coloratus"	C.G. 5L	4/m2	A		100-200 x 100-200mm
72No.	Euo Eme	Euonymus fortunei "Emerald Gaiety"	C.G. 5L	5/m2	A		200-300 x 200-300mm
70No.	Euo Gol	Euonymus fortunei "Emerald 'n' Gold"	C.G. 5L	5/m2	A		300-400 x 300-400mm
45No.	Euo Bra	Euonymus japonicus "Bravo"	C.G. 10L	3/m2	B		600-800 x 600-800mm
3No.	Euo Pre	Euonymus "President Gaultier"	C.G. 5L	3/m2	B		400-600 x 400-600mm
12No.	Ger Joh	Geranium pratensis "Johnsons Blue"	C.G. 3L	5/m2	-		100-200 x 100-200mm
7No.	Ger Roz	Geranium "Rozanne"	C.G. 3L	5/m2	-		100-200 x 100-200mm
15No.	Ger War	Geranium x oxonianum "Wargrave Pink"	C.G. 3L	5/m2	-		100-200 x 100-200mm
71No.	Heb Met	Hebe "Mette"	C.G. 5L	4/m2	B		300-400 x 300-400mm
45No.	Heb rak	Hebe rakaiensis	C.G. 5L	4/m2	A		300-400 x 300-400mm
12No.	Hem Buz	Hemerocallis "Buzz Bomb"	C.G. 3L	5/m2	-		100-200 x 100-200mm
4No.	Hem Ste	Hemerocallis "Stella d'Oro"	C.G. 3L	5/m2	-		100-200 x 100-200mm
5No.	Hyd arb	Hydrangea arborescens "Annabelle"	C.G. 10L	3/m2	D	2	400-600 x 400-600mm
71No.	Hyp Hid	Hypericum "Hidcote"	C.G. 5L	3/m2	C		600-800 x 600-800mm
38No.	Lav Hid	Lavandula angustifolia "Hidcote"	C.G. 5L	4/m2	A		300-400 x 300-400mm
16No.	Phl fru	Phlomis fruticosa	C.G. 5L	3/m2	B		400-600 x 400-600mm
17No.	Pho Jes	Phormium "Jester"	C.G. 10L	3/m2	-		800-1000x 800-1000mm
6No.	Pho Red	Photinia x fraseri "Red Robin"	C.G. 10L	3/m2	E	3.75	800-1000x 800-1000mm
19No.	Pru Ott	Prunus laurocerasus "Otto Luyken"	C.G. 5L	3/m2	B		400-600 x 400-600mm
9No.	Ros Bon	Rosa "Bonica"	C.G. 3L	3/m2	B		300-400 x 300-400mm
4No.	Sal Pur	Salvia officinalis "Purpurascens"	C.G. 3L	4/m2	-		200-300 x 200-300mm
5No.	Sar hoo	Sarcococca hookeriana var digyna	C.G. 3L	4/m2	B		200-300 x 200-300mm
3No.	Sed Aut	Sedum "Autumn Joy"	C.G. 3L	5/m2	A		100-200 x 100-200mm
10No.	Ski Rub	Skimmia japonica "Rubella"	C.G. 10L	4/m2	F	4.5	400-400 x 400-400mm
17No.	Spi Gol	Spirea japonica "Goldflame"	C.G. 5L	3/m2	B		300-400 x 300-400mm
5No.	Thy off	Thymus spp. (Mixed Varieties)	C.G. 3L	5/m2	A		50-100 x 50-100mm
93No.	Vib dav	Viburnum davidii	C.G. 5L	3/m2	B		300-400 x 300-400mm
3No.	Vib opu	Viburnum opulus "Nanum"	C.G. 5L	3/m2	E	3.75	400-600 x 400-600mm

GRASSES AND SEDGES

QTY	CODE	PLANT NAME	STOCK	SPACING
17No.	Hak Aur	Hakonechloa macra "Aureola"	C.G. 3L	5/m2
7No.	Sti aru	Stipa arundinacea	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. 15L	C	
3No.	HYD QUE	Hydrangea quercifolia	C.G. 10L	D	1.5
1No.	MAG SOU	Magnolia x soulangeana	C.G. 45L	F	4.5
1No.	MAG STE	Magnolia stellata	C.G. 45L	E	2.25
3No.	PHO PUR	Phormium tenax "Purpureum"	C.G. 25L	-	
11No.	PHO JES	Phormium tenax "Jester"	C.G. 25L	-	
2No.	PHO YEL	Phormium "Yellow Wave"	C.G. 25L	-	
6No.	ery mau	Erysimum Bowles Mauve	C.G. 2L	-	
6No.	pen rav	Penstemon 'Raven'	C.G. 2L	-	
15No.	ver bon	Verbena bonariensis	C.G. 2L	-	
3No.	sal ost	Salvia nemorosa 'Ostfriesland'	C.G. 2L	-	
3No.	rud gol	Rudbeckia fulgida 'Goldsturm'	C.G. 2L	-	
3No.	phl rus	Phlomis russeliana	C.G. 2L	-	
3No.	kni cau	Kniphofia caulescens	C.G. 2L	-	
12No.	dry aff	Dryopteris affinis	C.G. 2L	-	
3No.	ber pur	Bergenia purpurascens	C.G. 2L	-	
9No.	heu pal	Heuchera 'Palace Purple'	C.G. 2L	-	
6No.	tel pur	Tellima grandiflora 'Purpurteppich'	C.G. 2L	-	
6No.	aca mol	Acanthus mollis	C.G. 2L	-	
3No.	hem ste	Hemerocallis 'Stella de'Oro'	C.G. 2L	-	
12No.	ane sep	Anemone 'September Charm'	C.G. 2L	-	
6No.	cal kar	Calamagrostis x acutiflora 'Karl Foerester'	C.G. 2L	-	
6No.	dig mer	Digitalis x mertonensis	C.G. 2L	-	

BULB PLANTING MIXES

QTY	%	PLANT NAME	STOCK	SPACING
48m2		Bulb planting mix A		
96No.	10%	Crocus "Dutch Yellow"	bulb	20/m2
96No.	10%	Galanthus nivalis	bulb	20/m2
192No.	20%	Narcissus "Panache"	bulb	20/m2
480No.	50%	Hyacinthoides non-scripta	bulb	20/m2
96No.	10%	Leucojum vernum	bulb	20/m2
35m2		Bulb planting mix E		
350No.	50%	Galanthus nivalis	bulb	20/m2
350No.	50%	Eranthis hyemalis	bulb	20/m2

TOPIARY SPECIMEN SHRUBS/TREES PLANTED IN BEDS, GRASS OR GRAVEL

QTY	CODE	PLANT NAME	STOCK	SHC	DFB
14No.	TOP YEWC	Topiary Yew (Taxus baccata) CONE	C.G. 25L	F	4.5
9No.	TOP BAY	Topiary Bay (Laurus nobilis)	C.G. 20L	F	8

STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
3No.	ACE STR	Acer campestre "Streetwise"	O.G. STD	10-12cm	6m	8m	M
2No.	CAR BET	Carpinus betulus	O.G. STD	10-12cm	9m	17m	L
1No.	CRA MON	Crataegus monogyna	O.G. STD	10-12cm	13m	10m	H
2No.	FAG SYL	Fagus sylvatica	C.G. STD	10-12cm	15m	20m	M

HEAVY STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
2No.	ACE STR+	Acer campestre "Streetwise"	R.B. HVYSTD	12-14cm	6m	8m	M

EXTRA HEAVY STANDARD AND SEMI MATURE TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
2No.	CAR BET*	Carpinus betulus	R.B XHVYSTD	14-16cm	9m	17m	L

CONIFEROUS TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
2No.	Ile Aqu	Ilex aquifolium	C.G. BLE	350-400cm	6m	12m	L
3No.	Pin syl	Pinus sylvestris	R.B. CON	350-400cm	7m	20m	M

MULTI-STEM TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
1No.	AME LAM<	Amelanchier lamarckii	R.B. MUL	300-350cm	7m	8m	M
1No.	BET JAC<	Betula utilis "Jaquemontii"	R.B. MUL	300-350cm	6m	18m	L
1No.	PRU AUT<	Prunus subhirtella "Autumnalis"	R.B. MUL	300-350cm	7m	14m	L
1No.	PRU TIB<	Prunus serrula"Tibetica"	R.B. MUL	200-250cm	6m	7m	M

ORNAMENTAL HEDGE PLANTING

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB
7m		Hedge type 02 Single row				
21No.	Tax Bac	Taxus baccata 1m high above ground.	R.B/C.G.	2/m2	-	300-400 x 300-400mm
13m		Hedge type 08 Single row				
39No.	Euo Aur	Euonymus japonicus "Aureopictus"	C.G. 15L	3/m	C	
77m		Hedge type 16 Single row				
385No.	Euo Jea	Euonymus japonicus "Jean Hugues"	C.G. 2L	5/m	B	
12m		Hedge type 20 Single row				
36No.	Pru lus	Prunus lusitanica 1m high above ground.	R.B/C.G.	3/m2	F	6

NATIVE HEDGE MIXES

QTY	%	PLANT NAME	STOCK	SPACING	SIZE	DFB	MAX HT	W
57m		Native hedge mix 01: double staggered row						
62No.	20%	Corylus avellana	O.G. WHP	6/m	80-100cm	4m	8m	L
102No.	30%	Ligustrum ovalifolium	C.G. 5L	6/m		2.5m	3.5m	M
34No.	10%	Rosa canina	O.G. WHP	6/m	80-100cm	2.3m	D	M
34No.	10%	Viburnum opulus	O.G. WHP	6/m	80-100cm	4m	5m	M
34No.	10%	Ilex aquifolium	C.G. 5L	6/m		6m	12m	L
34No.	10%	Euonymus europaeus	O.G. WHP	6/m	80-100cm	6m	8m	M
34No.	10%	Viburnum lantana	B.R. WHP	6/m	80-100cm	3.8m	E	M

PLANT MIXES

QTY	%	PLANT NAME	STOCK	SPACING	SIZE	DFB	MAX HT	
53m2		Woodland Groundcover Mix	Bulb/Plug/Pots planting mix A (planted in groups of approx. 5-10.)					
27No.	10%	Convallaria majalis	1L	5/m2				
106No.	10%	Galanthus nivalis	bulb	20/m2				
27No.	10%	Epimedium x perralchicum "Frohleiten"	2L	5/m2				
208No.	20%	Hyacinthoides non-scripta	bulb	20/m2				
5No.	10%	Dryopteris filix-mas	3L	1/m2				
24No.	15%	Digitalis purpurea	2L	3/m2				
26No.	5%	Prunella vulgaris	plug	10/m2				
26No.	5%	Silene dioica	plug	10/m2				
26No.	5%	Luzula sylvatica	plug	10/m2				
26No.	5%	Geranium sylvaticum	plug	10/m2				
8No.	5%	Anthriscus sylvestris	plug	3/m2				
		Whole area to be seeded after planting with EW1 mix by Emorsgate 4g/m2						
79m2		SUB CANOPY MIX B (individual species to be planted in groups of 5-10)						
16No.	20%	Crataegus monogyna	O.G. WHP	1/m2	60-90cm	13m	10m	H
8No.	10%	Viburnum opulus	O.G.	1/m2	60-90cm	4m	5m	M
8No.	10%	Rhamnus cathartica	O.G.	1/m2	60-90cm	4m	5m	M
8No.	10%	Sambucus nigra	O.G.	1/m2	60-90cm	4.5m	F	
8No.	10%	Cornus sanguinea	O.G.	1/m2	60-90cm	2.5m	3m	M
8No.	10%	Corylus avellana	O.G.	1/m2	60-90cm	4m	8m	L
8No.	10%	Viburnum lantana	B.R. WHP	1/m2		3.8m	E	
4No.	5%	Pyrus pyraster	C.G. FTH	1/m2	125-150cm	8m	10m	M
4No.	5%	Malus sylvestris	O.G. FTH	1/m2	125-150cm	8m	10m	M
4No.	5%	Prunus spinosa	O.G. FTH	1/m2	125-150cm	6m	8m	M
4No.	5%	Prunus cerasifera	O.G. FTH	1/m2	125-150cm	5m	7m	M
199m2		NATIVE BUFFER PLANTING MIX A (individual species to be planted in groups of approximately 10)						
20No.	10%	Viburnum opulus	O.G. WHP	1/m2	60-90cm	2.5m	3m	M
20No.	10%	Rosa arvensis	O.G. WHP	1/m2	60-90cm	3m	D	
20No.	10%	Cornus sanguinea	O.G. WHP	1/m2	60-90cm	2.5m	3m	M
20No.	10%	Frangula alnus	O.G. WHP	1/m2	60-90cm	3.8m	E	
20No.	10%	Euonymus europaeus	O.G. WHP	1/m2	60-90cm	6m	8m	M
20No.	10%	Ligustrum vulgare	C.G. 3L	1/m2		2.5m	3.5m	M
20No.	10%	Sambucus nigra	O.G. WHP	1/m2	60-90cm	4.5m	F	
40No.	20%	Corylus avellana	O.G. WHP	1/m2	60-90cm	3m	6m	L
10No.	5%	Ilex aquifolium	C.G. 3L	1/m2		6m	12m	L
10No.	5%	Taxus baccata	C.G. 3L	1/m2		5m	12m	M
73m2		ORNAMENTAL BUFFER PLANTING MIX A (individual species to be planted in groups of approximately 10)						
15No.	10%	Cornus alba "Aurea"	C.G. 3L	2/m2			2.3m	D
15No.	10%	Sorbaria aitchisonii	C.G. 3L	2/m2			2.3m	E
15No.	10%	Cornus alba "Sibirca"	C.G. 3L	2/m2		2.5m	3m	M
15No.	10%	Cornus sanguinea "Midwinter Fire"	C.G. 3L	2/m2			C	M
15No.	10%	Viburnum x burkwoodii	C.G. 3L	2/m2			2m	D
15No.	10%	Philadelphus coronarius "Aureus"	C.G. 3L	2/m2			2.3m	D
30No.	20%	Viburnum tinus	C.G. 3L	2/m2			2.3m	D
8No.	5%	Photinia x fraseri "Red Robin"	C.G. 3L	2/m2			3.8m	E
8No.	5%	Kolkwitzia amabilis	C.G. 3L	2/m2			2.3m	D
8No.	5%	Mahonia x media "Charity"	C.G. 3L	2/m2			3.0m	D
8No.	5%	Lonicera x purpusii	C.G. 3L	2/m2			1.5m	D

SEED MIXES

AREA	SEED MIX NAME
258m2	Wildflower meadow mix ("EM2" Mix by Emorsgate Seeds, refer to Measured Works schedule)
851m2	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
HVYSTD = Heavy Standard tree
XHVYSTD = 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
WD = "Water Demand" of tree
SHC = Shrub Height Classification
A = < 600mm mature height, B = 600mm - 1.8m mature height, C = > 1.8m mature height with low water demand and slow growth
D = 1.8m - 3m mature height, E = 3m - 5m mature height, F = >5m mature height
Note: Plants not classified within the JBA SHC are NOT designated as shrubs.
JBA understand shrubs to be defined as those plants of perennial habit with woody stems.

-Girth size is given for standard trees, otherwise all sizes refer to height. All sizes are the 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, as will leggy plants which have been pruned hard.
-Plants shall be completely hardened off, any plants which show signs of scorching after planting will be rejected.

REFER TO THE ACCOMPANYING MEASURED WORKS SCHEDULE DOCUMENT FOR MORE INFORMATION
CHANGES TO SUPPLIERS/MANUFACTURERS ARE 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

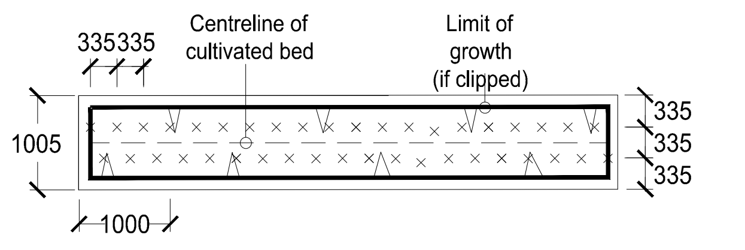
(C) JAMES BLAKE ASSOCIATES 2025

KEY

- ▬ RED LINE BOUNDARY
- ⊕ PROPOSED FEATHERED TREE, INCLUDING STAKE AND TIE. SEE SPECIFICATION NOTES 1.1, 2.2, 2.3, 2.5, 3.1-3.4, 4.1-4.2 AND 5.1.
- ⊕ PROPOSED STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES 1.1, 2.2, 2.3, 2.5, 3.1-3.4, 4.1-4.2 AND 5.1.
- ⊕ PROPOSED HEAVY STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES 1.1, 2.2, 2.3, 2.5, 3.1-3.4, 4.1-4.2 AND 5.1.
- ⊕ PROPOSED EXTRA HEAVY STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES 1.1, 2.2, 2.3, 2.5, 3.1-3.4, 4.1-4.2 AND 5.1.
- ✳ PROPOSED CONIFEROUS OR BROAD LEAF EVERGREEN TREE, INCLUDING STAKE AND TIE. SEE SPECIFICATION NOTES 1.1, 2.2, 2.3, 2.5, 3.1-3.4, 4.1-4.2 AND 5.1.
- ◌ PROPOSED MULTISTEM TREE, INCLUDING UNDERGROUND GUYING. SEE SPECIFICATION NOTES 1.1, 2.2, 2.3, 2.5, 3.1-3.4, 4.1-4.2 AND 5.1.
- ▭ SHRUB AND HERBACEOUS PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). SEE SPECIFICATION NOTES 1.1-1.2, 2.1-2.3, 3.1-3.3, 4.1-4.2 AND 5.1.
- ▭ HEDGE PLANTING, INCLUDING BIODEGRADABLE SHEET AND PINE NUGGET MULCH (ACCORDING TO SPECIFICATION). REFER TO HEDGE SCHEDULES ON PLAN AND THE SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES 1.1-1.2, 2.1-2.3, 3.1-3.3, 4.1-4.2 AND 5.1.
- ▨ CULTIVATED TURF UNLESS OTHERWISE STATED ON PLAN. SEE SPECIFICATION NOTES B4, C5 AND E1.
- ▽ BULB PLANTING MIX, WINTER/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, C8, D1-2 AND E1.
- ✳ SPECIMEN SHRUBS IN SHRUB BEDS OR PIT PLANTED IN GRASS/GRAVEL AREAS. SPECIMEN SHRUBS IN GRASS . SEE SPECIFICATION NOTES A1, B1-3, C1-3, D1-2 AND E1.
- ✳ SEASONAL HIGHLIGHT HERBACEOUS PLANTS WITHIN SHRUB BED. SEE SPECIFICATION NOTES A1, B1-3, C1-3, D1-2 AND E1.
- ○ EXISTING TREE/VEGETATION TO BE RETAINED, SEE GENERAL NOTE A1 AND E1. IF PREPARED, SEE ALSO ARB PLAN AND SCHEDULE BY OTHERS FOR ANY SURGERY WORKS.
- ▬ INDICATIVE LOCATION OF PROPOSED ROOT BARRIER. PROVIDE ReROOT 2000 1m DEPTH IN LOCATION SHOWN TO PROTECT UNDERGROUND SERVICES. LOCATION TO BE AGREED WITH ENGINEER AND LANDSCAPE ARCHITECT.
- ⬡ WASHED, ROUNDED, BUFF COLOURED GRAVEL; 20mm GAUGE, 40MM DEPTH, FINISHED LEVEL 15mm BELOW ADJACENT SURFACES, LAID OVER 'COVERTEX' OVER LIGHTLY CONSOLIDATED SUBGRADE.

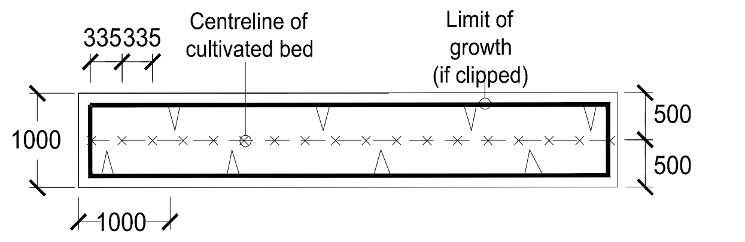
SPECIFICATION FOR HEDGE PLANTING

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 335mm apart at a density of 6 plants per linear metre. The two rows shall be placed in the centre of the bed and shall be offset so that the plants are alternate and not opposite each other. Plants to be open ground stock 600-900mm high.



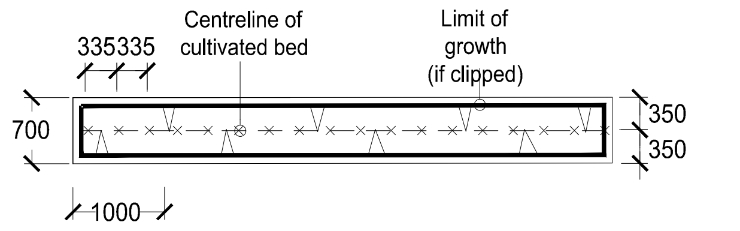
SPECIFICATION FOR ORNAMENTAL HEDGE PLANTING - LARGE GROWING SPECIES e.g. Osmanthus heterophyllus, Ligustrum ovalifolium, Viburnum tinus, Cotoneaster lacteus, Euonymus japonicus 'Aureopictus', Escallonia 'Apple Blossom' & Griselinia littoralis.

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. Euonymous, Osmanthus delavayi, Lavendula spica 'Hidcote,' Hebe topiara & Lonicera nitida.

Hedges containing small ornamental species shall be planted in a single straight row at a density of 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 25mm of ACQ treated timber stained with 3No. coats of Sadolin 'Classic' colour 'Walnut' (dark brown wood stain) according to specification.

REV.	DATE	INITIALS	DETAILS

CLIENT CHURCHILL LIVING	DWG. TITLE DETAILED LANDSCAPE PROPOSALS PLANTING SCHEDULE
SITE HASSOCKS	
PURPOSE OF ISSUE PLANNING	

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO.	REV.
AJW	JBA	JBA	1:250@A1	SEPTEMBER 25	JBA 23 339 - 01	

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LANDSCAPE ARCHITECTURE o ARBORICULTURE o ECOLOGY

Andrew Willerton - 24/09/2025 - K:\JBA\Client Projects\Churchill Retirement Li