SPECIFICATION NOTES - REFER ALSO TO THE MEASURED WORKS SCHEDULE.:

A) Setting out

1. Planting shall be set out exactly as shown on the drawing, and measured from existing fixed points. Curved beds shall be set out using radii scribed and marked on the ground with pegs and line between, or with site marker paint. The junction between convex and concave curves shall be cut to form a smooth and even flowing line. Check that all setting out conforms to the plan before cultivation and planting works are carried out. Failure to do so may result in rejection of the work by the landscape architect and may require amendment at the contractor's expense.

2. All planting beds shall be a minimum of 1 metre wide, except where there is insufficient space, due to the constraints of walls and path edgings and their foundations. With narrow beds between walls/ fences and path edgings, ensure that the bed has space free from concrete footings before planting. If the bed is found to contain any of these, 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.

B) Ground preparation

1. Pre-planting herbicide application:- Apply by suitable spraying aparatus, an approved translocated systemic herbicide to the manufacturer's instructions and the 1997 Control of Pesticides Regulations and 2003 COSHH regulations on all beds, except those which are both weed free and are to receive agrotextile sheet mulch. Spray immediately if any weeds are present. If 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 dormant seed to germinate. All spraying to be carried out by a PA1 & 2 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 100g per meter square of Horticlase CRF (16-8-12) slow release fertilizer, in accordance with the manufacturers instructions, on all areas 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, at maximum centres and to a depth of 500mm,except where there are services, or within 10 meters of tree stems or 3 meters of existing hedges. Do not rip areas where roots greater than 10mm diameter are encountered.

3. Determine before submitting a tender, the extent of support from the site contractor, for importing topsoil and soil for use in planting beds is required to a level 55mm below adjacent grass and paved surfaces, (90mm below where agro- textile set mulch is not specified), within 400-600mm of edges to ensure bark or wood chip mulches 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 rain water run off. The landscape contractor is responsible for ensuring that the final product conforms to the specification even where the developer and/or main contractor have failed to supply and spread topsoil to the recessed level. The landscape contractor shall allow for adjustment of levels, as specified above, including for re-grading subsoil where necessary, in order to achieve and ensure that topsoil is graded to the specified levels below pavement & grass surfaces within 400mm of the edges of the bed. This is to allow for sheet mulch and bark or wood chip mulch so that mulch does not spill out on to pavements and also to allow surface water to drain from paths on to planted areas.

4. For sloping areas to be turfed adjacent to paved areas, topsoil levels shall be reduced to allow the finished level of turf to be up to 10mm below the paved 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.

5.Imported topsoil (where specified and sanctioned by the employer) for making up ground shall conform to BS 3882: 2007 and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have less than greater than 20% clay. Such soil shall be cultivated as set out above. Representative samples shall first be approved by the landscape architect before being supplied to site. No imported soil shall be supplied to site without a written instruction.

C) Planting

1. All planting must be carried out in accordance to the specification and schedule of quantities accompanying these drawings. Refer to the specification for the preparation of existing topsoil and required depths for planting, tying and standard trees, and also for maintenance requirements.

2. No substitutions will be accepted without the prior agreement of the inspecting landscape architect. The contractor shall replace at once at his own cost any stock size, species or variety that is not true to that 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 high for the pot size, or conform to the HTA National Plant Specification and 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", of other of similar quality and source, approved by the landscape architect. The contractor shall replace at once any turf rejected by the landscape architect at his own cost.

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

7. Twining varieties of climber, with "T" drawn after the climber's name (in specially prepared pits or general shrub beds) shall be trained to walls/ fences by inserting nearby dead trees / pales (1.5m to 2m generally, but 3m high for corners where more 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 drained 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 15 litres of water per climber pit.

D) Mulch

1. When specified by the additional specification notes on this plan, supply and spread suitable biodegradable sheet mulch over planting beds, previously cultivated, graded and contoured to conform to surrounding and pegged down at a minimum of 600mm centres (300mm at edges) and beds less than 1m wide. Pegging this densely is essential to prevent flaps of material becoming exposed. Refer to the specification for biodegradable sheet mulch on plan.

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

E) BS codes

1. All workmanship and materials shall conform to the following codes:- A) General landscape operations - BS4428:1989. Code of practice. B) Trees, in relation to construction- BS 5837: 2012 and BS 6349:1999. BS 3998:2010 (recommendations for tree works) unless otherwise specified. Arboricultural Association - Standard Conditions of Contract and Specifications for Tree Works. 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 Establishment - Code of Practice -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 : 1990 Nursery stock - Specification for bulbs, 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 9.2 to 9.6. -Glossary for Landscape Works BS-4428 (1989) E) Turf - BS 3969:1998- recommendations for turf for general purposes. F) Seeding -'EEC Regulations 1974. Use blue labelled certified varieties to EC purity and germination regulations. When requested, submit an oficia seed Testing Station certificate 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 Supply (Water Quality) Regulations 2000,Wildlife and Countryside 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, scorching from welding and fires, and damage from changes in 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. The tree protection barrier will comprise a Heras/Pro Guard 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 vertical tubes with wire ties 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 allow for any settlement of paving and after settlement, the soil level should be no greater than 10mm below paved areas to allow for turf. For areas to be grass seeded, the soil level shall be flush with any finished paved surfaces after settlement (or to a maximum of 5mm below) to allow for rain water to drain onto soft surfaces. Unauthorised use of topsoil outside the tolerances given or problems will be encountered with mowing (the blades in danger of touching concrete edgings) or where soil is proud of pavements, then drainage problems will be encountered.

3. Existing topsoil and imported soil shall conform to BS 3882:2007, and be free from stones/aggregate/boulders/bricks greater than 50mm diameter, deleterious roots, paints, oil, cement and builders rubble. Soil shall have a clay content of less than 20%.

C) Hardworks

1. Hard works, unless otherwise agreed, shall be carried out by the developer or main contractor, and all materials and workmanship shall be as is accordance with the construction details and the layout plan.

2. All paths and edgings shall be set out properly to lines and rads, 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.

3. Hard surfaces shall be constructed after suitable base courses have been laid, taking full account of local site conditions, soft spots and substrate. The indicative depths of base courses are minimum depths assuming suitable substrate conditions.

4. All metalwork shall be finished hot dipped galvanized in accordance with BS EN ISO1460. The galvanizer shall be responsible for the thorough removal of all galvanizing smuts (felting) to the complete satisfaction of the Landscape Architect. The decorating contractor shall prepare the galvanized surface by first degreasing with white spirit and scrubbing with a scouring pad until all dirt, grease, white rust & sulphates have been removed & then allowed to dry thoroughly. Supply and paint Isopt 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 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 warping, shall be stripped off, re-prepared and applied entirely at the decorating contractors own cost.

5. All wood work to use ACQ water based wood preservative applied by vacuum pressure by Permawood or other similar and approved company. The timber shall then be stained with 2No. coats of Sadolin classic, colour 'walnut' strictly in accordance with manufacturers instructions, COSHH Regulations 2003 and product COSHH sheet.

GENERAL NOTES

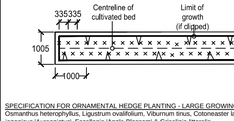
-ALL DIMENSIONS IN MILLIMETRES
-DO NOT SCALE OFF THIS DRAWING
-ALL DIMENSIONS TO BE CHECKED ON SITE

(C)JAMES BLAKE ASSOCIATES LTD 2017

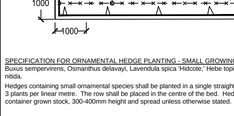


SPECIFICATION FOR HEDGE PLANTING

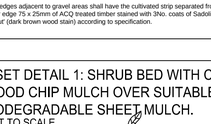
SPECIFICATION FOR NATIVE AND SEMI-NATIVE HEDGES e.g. Mixed native species, Carpinus betulus & Fagus sylvatica.
Hedges containing native and semi-native planting in mixes shall be planted in two straight rows set 335mm apart at a density of 6 plants per linear metre. The two rows shall be placed in the 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.



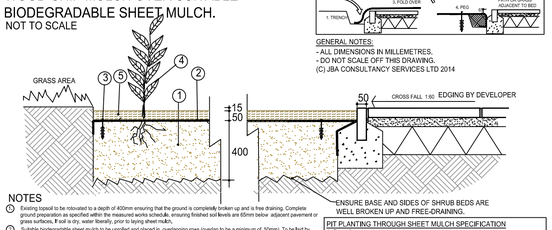
SPECIFICATION FOR ORNAMENTAL HEDGE PLANTING - SMALL GROWING SPECIES e.g. Buxus sempervirens, Osmanthus delavayi, Lavendula spica 'Hidcote,' Hebe topiara & Lonicera nitida.
Hedges containing small ornamental species shall be planted in a single straight row at a density of 3 plants per linear metre. The 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.

INSET DETAIL 1: SHRUB BED WITH COURSE WOOD CHIP MULCH OVER SUITABLE BIODEGRADABLE SHEET MULCH.

NOT TO SCALE



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

NOTES

1. Existing topsoil to be relocated to a depth of 400mm ensuring that the ground is completely broken up and is free draining. Complete grass preparation as specified within the measured works schedule, ensuring finished soil levels are 65mm below adjacent pavement or grass surfaces, 6 mil is laid, where laterally, prior to laying sheet mulch.
2. Suitable biodegradable sheet mulch to be unrolled and placed in overlapping rows (overlap to be a minimum of 50mm). To be tied by burying 200mm lap of material at the extreme edges of the shrub area, and folding over itself (refer to inset on sheet mulch specifications). Tuck sheet on the opposite side of the proposed shrub area and fasten down in part with plastic pegs.
3. Suitable pegs hammered in at 600mm centres to secure sheeting. Increase frequency to 300mm centres at edges to secure sheet mulch and prevent it lifting.
4. Backfill and oil plant shrubs through sheeting. Refer to oil 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 Edwards of Brandon, Tel: (01842) 810555. 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) 700007. 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:-
- 250mm depth and 300mm radius of stem, for plants specified in 1L containers,
- 300mm depth and 250mm radius of stem, for plants specified in 3L or smaller containers,
- 400mm depth for all containers larger than 3L.
D) Fit 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.

SCHEDULE OF PLANTS

SHRUBS

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB	MIN HEIGHT/SPREAD
4No.	Auc Var	Aucuba japonica "Variegata"	C.G. 5L	3/m2	C		400-600 x 400-600mm
73No.	Ber Pur	Bergenia cordifolia "Purpurea"	C.G. 5L	5/m2	-		100-200 x 100-200mm
25No.	Bra Sun	Brachyglottis dunedin "Sunshine"	C.G. 3L	3/m2	B		200-300 x 200-300mm
42No.	Cho Azt	Choisya ternata "Aztec Pearl"	C.G. 10L	3/m2	C		400-600 x 400-600mm
22No.	Cho Sun	Choisya ternata "Sundance"	C.G. 10L	3/m2	C		400-600 x 400-600mm
56No.	Cis cor	Cistus x corbariensis	C.G. 5L	3/m2	B		300-400 x 300-400mm
42No.	Cis Sun	Cistus pulverulentus "Sunset"	C.G. 5L	3/m2	B		300-400 x 300-400mm
54No.	Cis Dec	Cistus x dansereaui "Decumbens"	C.G. 5L	4/m2	B		300-400 x 300-400mm
66No.	Euo Aur	Euonymus japonicus "Ovatus Aureus"	C.G. 5L	3/m2	C		400-600 x 400-600mm
122No.	Euo Eme	Euonymus fortunei "Emerald Gaiety"	C.G. 5L	5/m2	A		200-300 x 200-300mm
115No.	Euo Gol	Euonymus fortunei "Emerald 'n' Gold"	C.G. 5L	5/m2	A		300-400 x 300-400mm
52No.	Euo Bra	Euonymus japonicus "Bravo"	C.G. 5L	3/m2	B		300-400 x 300-400mm
67No.	Euo Pre	Euonymus "President Gaultier"	C.G. 10L	3/m2	B		400-600 x 400-600mm
6No.	Ger War	Geranium x oxonianum "Wargrave Pink"	C.G. 2L	5/m2	-		100-200 x 100-200mm
17No.	Heb Mid	Hebe "Midsummer Beauty"	C.G. 5L	3/m2	D	1.5	300-400 x 300-400mm
127No.	Heb Met	Hebe "Mette"	C.G. 5L	4/m2	B		300-400 x 300-400mm
108No.	Heb rak	Hebe rakaiensis	C.G. 5L	3/m2	A		300-400 x 300-400mm
10No.	Heb Sut	Hebe "Sutherlandii"	C.G. 5L	4/m2	A		300-400 x 300-400mm
5No.	Hyp Hid	Hypericum "Hidcote"	C.G. 10L	3/m2	C		600-800 x 600-800mm
4No.	Lon May	Lonicera nitida "Maygreen"	C.G. 3L	3/m2	C		300-400 x 300-400mm
10No.	Phl fru	Phlomis fruticosa	C.G. 5L	3/m2	B		400-600 x 400-600mm
29No.	Pho Jes	Phormium "Jester"	C.G. 10L	3/m2	-		800-1000x 800-1000mm
45No.	Pru Ott	Prunus laurocerasus "Otto Luyken"	C.G. 5L	3/m2	B		400-600 x 400-600mm
81No.	Spi Gol	Spirea japonica "Goldflame"	C.G. 5L	3/m2	B		300-400 x 300-400mm
56No.	Vib dav	Viburnum davidii	C.G. 5L	3/m2	B		300-400 x 300-400mm

SPECIMENS PLANTED IN BEDS, GRASS OR GRAVEL

QTY	CODE	PLANT NAME	STOCK	SHC	DFB
2No.	HYD QUE	Hydrangea quercifolia	C.G. 10L	D	1.5
7No.	PHO JES	Phormium tenax "Jester"	C.G. 10L	-	

FEATHERED TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
1No.	Bet jac	Betula jacquemontii	C.G. 15L	FTH	180-210cm	6m	12m L
2No.	Bet pen	Betula pendula	C.G. 15L	FTH	180-210cm	7m	14m L
4No.	Mal Joh	Malus "John Downie"	O.G.	FTH	180-210cm	5m	6m M
2No.	Pru Ama	Prunus "Amanogawa"	O.G.	FTH	180-210cm	4m	6m M
2No.	Pru dom	Prunus domestica	O.G.	FTH	180-210cm	8m	12m M
1No.	Pyr com	Pyrus communis	O.G.	FTH	180-210cm	7m	9m M

STANDARD TREES

QTY	CODE	PLANT NAME	STOCK	SIZE	DFB	MAX Ht	WD
1No.	ALN COR	Alnus cordata	O.G.	STD	10-12cm	12m	15m M
1No.	BET PEN	Betula pendula	C.G.	25L STD	8-10cm	7m	14m L
1No.	CAR BET	Carpinus betulus	O.G.	STD	8-10cm	9m	17m L
4No.	CAR FRA	Carpinus betulus "Frans Fontaine"	O.G.	STD	8-10cm	9m	16m L
15No.	PYR CHA	Pyrus calleryana "Chanticleer"	O.G.	STD	8-10cm	6m	8m M
2No.	TIL EUC	Tilia x euchlora	O.G.	STD	10-12cm	13m	16m M

ORNAMENTAL HEDGE PLANTING

QTY	CODE	PLANT NAME	STOCK	SPACING	SHC	DFB
160m	Hedge type 01 Single row					
543No.	Vib tin	Viburnum tinus "Eve Price"	C.G. 3L	3/m	D	2.25
238m	Hedge type 08 Single row					
726No.	Euo Aur	Euonymus japonicus "Aureopictus"	C.G. 3L	3/m	C	

NATIVE HEDGE MIXES

QTY	%	PLANT NAME	STOCK	SPACING	SIZE	DFB	MAX Ht	W
176m	Native hedge mix 01: double staggered row							
211No.	20%	Corylus avellana	O.G.	WHP	6/m	60-90cm	4m	8m L
528No.	50%	Crataegus monogyna	O.G.	WHP	6/m	60-90cm	13m	10m H
211No.	20%	Viburnum opulus	O.G.	WHP	6/m	60-90cm	4m	5m M
106No.	10%	Cornus sanguinea	O.G.	WHP	6/m	60-90cm	2.5m	3m M
32m	Native hedge mix 02: double staggered row							
77No.	40%	Cornus sanguinea	O.G.	WHP	6/m	60-90cm	2.5m	3m M
38No.	20%	Rosa canina	O.G.	WHP	6/m	60-90cm	2m	2m M
77No.	40%	Viburnum opulus	O.G.	WHP	6/m	60-90cm	4m	5m M

SEED MIXES

AREA	SEED MIX	NAME
741m2	Amenity grass mix	("Bar 11" Mix by Barenbrug, refer to Measured Works Schedule)
1665m2	Wildflower meadow mix	("EM2" Mix by Emorsgate Seeds, refer to Measured Works schedule)
3515m2	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 SHCare 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

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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.

SHRUB AND HERBACEOUS PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). SEE SPECIFICATION NOTES A1-2, B1-3, C1-3, D1-2 AND E1.

NATIVE WHIP AND SHRUB PLANTING IN MIXES, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION. SEE SPECIFICATION NOTES A1-2, B1-3, C1-3, D1-2 AND E1.

HEDGE PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). REFER TO HEDGE SCHEDULES ON PLAN AND THE SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1-2, B1-3, B5, C1-3, D1-2 AND E1.

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

WILDFLOWER SEEDED AREA. REFER TO PLANT SCHEDULE FOR SPECIFICATION OF MIX.

9No. LOW MAINTENANCE POLYURETHANE ARTSEAT TO BE SUPPLIED AND INSTALLED BY BJB INNOVATIONS TEL: 01787 246015.

HEDGE PLANTING; including biodegradable sheet and bark mulch (according to specification) including timber board edging to separate from gravel area. Refer to hedge schedules on plan and the schedule of quantities. See specification notes A1-2, B1-3, B5, C1-3, D1-2 and E1.

WASHED, ROUNDED, BUFF COLOURED GRAVEL; 20mm gauge, 40mm depth, finished level 15mm below adjacent surfaces, laid over 'covertex' over lightly consolidated subgrade.

BITUMEN MACADAM FOOTPATHS TO ENGINEERS SPECIFICATION WITH BITUMEN TAR SPRAY AND 6MM GAUGE BUFF ANGULAR CHIPPINGS. ROLLED WELL INTO BITUMEN WHILE HOT. BRUSH OFF SURPLUS SURFACE CHIPPINGS AND CART AWAY EXCESS, TO LEAVE GRAVELLY FINISH. SURFACING DRESSING TO BE CARRIED OUT BETWEEN JUNE-SEPTEMBER INCLUSIVE. SURFACE CHIPPINGS TO BE LAID OVER 6MM GAUGE AGGREGATE WEARING COURSE TO BE LAID OVER 20MM GAUGE AGGREGATE BASE COURSE. ALL LAID OVER BASE COURSE OF HARDCORE; ALL DEPTHS TO ENGINEERS SPECIFICATION; LAID OVER FIRMED SUB-GRADE AND GEOTEXTILE - TERRAM 1000, ALL TO FALLS AND CROSSFALLS, MINIMUM 1:70 AND ALL TO HIGHWAY'S AUTHORITY APPROVAL.

PCC EDGING 914 X 150mm, MARSHALL TEL:01422 312000, OR SIMILAR APPROVED.

SAWN SOFTWOOD TIMBER POST AND METAL RAIL 450MM HIGH KNEERAIL WITH REMOVABLE RAIL FOR MAINTENANCE.

MAINTENANCE ACCESS, 3.0 m WIDE, IN THE FORM OF A PULL OUT TUBE WITH WELDED STOP PLATE AND PAD LOCK AT THE OTHER END

PLAY BOULDERS VARIOUS GAUGES 700-1200mm ROUNDED OFF EMBEDDED 1/3 IN THE GROUND. AVAILABLE FROM CED LTD. TEL. 01708 867237 OR SIMILAR AND APPROVED.

PLAY SAND LAID TO DEPTH 300MM OVER GEOTEXTILE. AVAILABLE FROM MIRACLE PLAY TEL. 0164 658 240 OR SIMILAR AND APPROVED. EDGING TO BE CONSTRUCTED FROM BOULDERS AS SPECIFIED. MINIMUM UPSTAND EDGE OF 100mm TO AVOID SAND SPILLING.

SAFETY SURFACING TYPE 'SAFETY MATTA' AVAILABLE FROM MATTA PRODUCTS TEL. 01234 848484 OR SIMILAR AND APPROVED

INTERLOCKING TECHNIX SAFETY GRASS MATTING AVAILABLE FROM WWW.TECHNIX-RUBBER.COM. TEL 023 680430040 OR SIMILAR AND APPROVED.

TIMBER LITTER BIN. 0.85M x 0.5M x 0.5M WITH TIMBER SLATS AND GALVANIZED STEEL FRAME. AVAILABLE FROM MIRACLE PLAY (tel: 01604658240) OR SIMILAR AND APPROVED

ERECTED TIMBER AND STEEL BENCH. 1.77M x 0.86M x 0.61M WITH TIMBER SEAT/BACK AND GALVANIZED STEEL FRAME AVAILABLE FROM MIRACLE PLAY (tel: 01604658240) OR SIMILAR AND APPROVED

ROBINA TWIN TRIANGLE DECK UNIT WITH SLIDE - MB100017, AVAILABLE FROM MIRACLE PLAY TEL. 01604 658 240 OR SIMILAR AND APPROVED.

2 PERSON SEESAW MB00001, AGE RANGE +2, AVAILABLE FROM MIRACLE PLAY TEL. 01604 658 240 OR SIMILAR AND APPROVED.

BALANCE BEAM TRIO MB00072, AGE RANGE 2-12 YEARS. AVAILABLE FROM MIRACLE PLAY TEL. 01604 658 240 OR SIMILAR AND APPROVED.

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	DETAILS	DETAILS
A	22/06/2018	SS	AMENDMENTS TO REVISED LAYOUT AND CLIENTS COMMENTS

CLIENT	DWG. TITLE
Wheatley Group Developments Ltd	DETAILED SOFT LANDSCAPE PROPOSAL FOR PLOTS AND POS
SITE: Crowland, Harvester Way	
PURPOSE OF ISSUE: PLANNING	

DRG BY	CHECKED	AUTHYD	SCALE	DATE	DWG NO.	REV.
SS	JBA	JBA	1:250@A1	MAY 2018	14/159-03	A

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LANDSCAPE ARCHITECTURE o ARBORICULTURE o ECOLOGY