IMPLEMENTATION AND MAINTENANCE GUIDELINES

1.0 GENERAL

All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE. Planting shall not be carried out when the ground is waterlogged, frostbound or during periods of cold drying winds. All bare

If the formation level is compacted it should be ripped through before topsoiling

Topsoil depths to be 450mm for shrub beds and 150mm for grass areas. 2.0 ORNAMENTAL SHRUBS AND TREES

root stock shall be root dipped in an approved water-retaining polymer.

2.1 Ground Preparation

Where necessary treat existing weeds with a glyphosate based herbicide and allow a suitable period as recommended by the manufacturer for this to take effect. A general purpose slow release fertiliser at the rate of 75gm/m2 and Tree Planting and Mulching Compost at the rate of 20litres/m2 are to be incorporated into the top 150mm of topsoil during final cultivations. All extraneous matter such as plastic, wood, metal and stones greater than 50mm in any dimension shall be removed from site.

Tree pits are to be excavated and the base broken up a further 150mm with the sides well scarified to prevent smearing. All trees up to and including selected standards are to be supported with single 75mm diameter stakes. All rootball, container grown and trees over heavy standard size shall be double staked. Any feature trees semi mature in size to be secured with a below ground anchoring system (such as a deadman anchor) Stakes should be driven 500mm into undisturbed ground before planting the tree, taking care to avoid underground services and cables etc.

Planting 2.2

Shrubs and hedges are to be set out as shown on the drawing and pit planted into the prepared soil at the specified centres with minimal disturbance to the rootball and well firmed in. Trees are to be placed into the pits and backfilled with topsoil incorporating slow release fertilizer and Tree

Planting and Mulching Compost as specified. Firm trees in well and secure with proprietary rubber tree ties and spacers.

Water in all trees and shrubs at the end of each day of planting. Spread ornamental pine bark mulch to a depth of 75mm across all new planting areas ensuring groundcover

plants are not buried 2.3 Maintenance

The landscape contractor shall maintain all areas of new planting for a period of 12 months following practical completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost.

The site is to be visited monthly throughout the year to undertake the following operations. Weed clearance: All planting areas are to be kept weed free by hand weeding or herbicide treatment. r clearance: All litter is to be removed from planting beds. Matering: Planting areas are to be brought up to field capacity at each visit and each tree is to receive 20 Čhecking trees: All tree ties and stakes are to be checked and adjusted if too loose, too tight or if chaffing is occurring. Any broken stakes are to be replaced. Formative pruning: Any damaged shoots/branches are to be pruned back to healthy wood. Plants are to be pruned in accordance with good horticultural practice to maintain healthy well-shaped specimens.

3.0 NATIVE HEDGE PLANTING

manufacturer

3.1 Setting Out The hedge line shall be set out using 38x38x1200 stakes at maximum 50m intervals and all herbaceous material within 500mm each side of the centre line shall be sprayed out using an approved herbicide at least two weeks before planting.

3.2 Preparation The 1000mm wide hedge line shall be cultivated to 150mm incorporating Enmag or equal at 75gm/m2.

3.3 Planting Plants shall be notch planted in three rows 250mm apart and staggered at 300mm centres.All plants are to be protected with a 600mm proprietary shelter secured with a stake/cane and ties as recommended by the

3.4 Maintenance Using approved herbicides a 1000mm wide swathe centred on the hedgeline shall be kept weed free throughout the maintenance period

Each Autumn after planting and until handover to the adopting authority, the contractor will prepare a list of all plants which are dead, dying or diseased and will replace these plants during the following planting season. 4.0 GRASS

4.1 Preparation

The area to be seeded shall be sprayed out with a glyphosate herbicide and cultivated to a depth of 100mm removing all weeds, debris and stones over 25mm diameter. The surface shall be raked to smooth flowing contours with a fine tilth, incorporating pre-seeding fertiliser at 70 g/m2.

4.2 Turf Turfing operations shall be in accordance with BS 4428.

Whole turves shall be laid around the perimeter of the area to be turfed. The central area shall be laid in rows with staggered joints, well butted together, working from planks positioned on turves already laid. The turf shall be watered on completion. Any unevenness shall be made good by lifting the turf and adjusting the levels. Should shrinkage occur, fine topsoil shall be brushed into the joints

Seeding

Grass seed shall be sown in April during calm weather and not when the ground is frost bound or waterlogged. Seed shall be sown in two equal sowings in transverse directions at 35 g/m2. After sowing the contractor shall lightly rake the seed into intimate contact with the soil. All seed mixes to be specified in accordance with those set out in the approved management plan.

4.4 Initial cut When newly seeded areas reach 50mm they should be cut back to a height of 30mm and then cut twice annually in early Spring and late Summer. All arisings shall be removed or spread evenly across grassland. Any bare patches shall be made good at this time.

5.0 TOPSOIL

5.1 Existing Topsoil Pre-planting herbicide application:

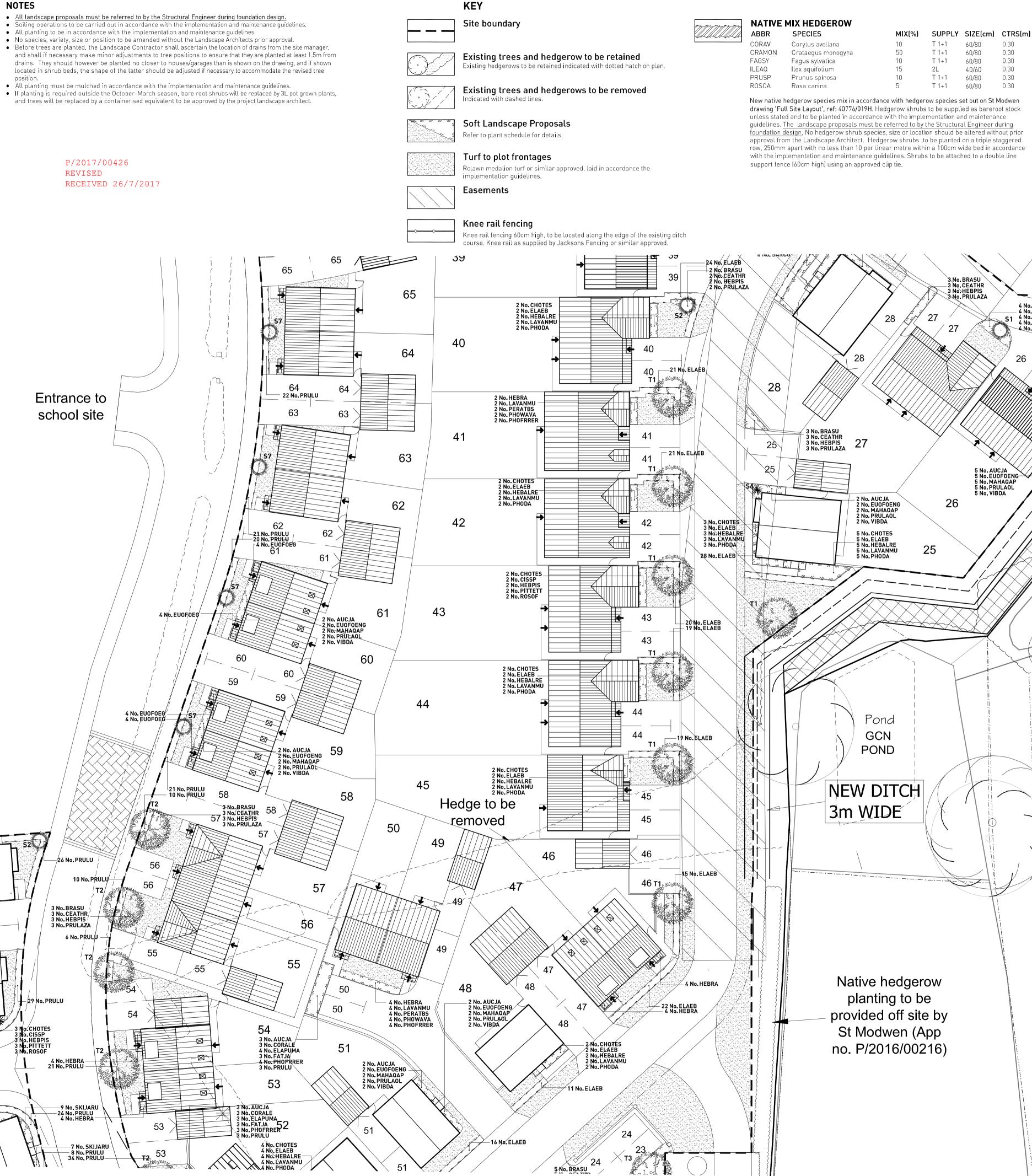
Apply by suitable spraving apparatus, an approved translocated systemic herbicide to the manufacturer s instructions and to 1997 Control of Pesticides Regulations and 2003 COSHH regulations on all beds, except those which are both weed free and are to receive agrotextile sheet mulch. Spray immediately 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 terminate. 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. Repeat as – necessary to ensure complete kill and rake off all dead material from site.

Carry out the following works to the existing topsoil on site to ensure it Conforms to BS 3882:1994, 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 Vitax "Nutricote 180" slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 5 meters in width, fork over thoroughly or machine rotovate soil to a depth of 300mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 5 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler 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.

diameter), concrete, roots, wire and brick, and have less 20% clay.

5.2 Imported Topsoil Any imported topsoil for making up ground, shall conform to BS:3882:1994, and be free from rocks (over 50mm

- located in shrub beds, the shape of the latter should be adjusted if necessary to accommodate the revised tree position



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PLANT SCHEDULE

HEDGEROWS

SPECIES

ABBR

<u>_____</u>____

<u>______</u>____

ELE E

TRE	ES - to plots				
REF	SPECIES	SUPPLY	SIZE(cm)	GIRTH(cm)CTRS(m)
T1	Acer campestre 'Elsrijk'	EHStd	450/625	16/18	as shown
T2	Betula utilis 'Jacquemontii'	EHStd	450/625	16/18	as shown
Т3	Malus Evereste	EHStd	450/625	16/18	as shown
Τ4	Prunus cerasifera 'Pissardii'	EHStd	450/625	16/18	as shown
Т5	Pyrus calleryana 'Chanticleer'	EHStd	450/625	16/18	as shown

All trees to be planted in accordance with the implementation and maintenance guidelines. The tree planting schedule and landscape proposals must be referred to by the Structural Engineer during foundation design. No tree species, size or location should be altered without prior approval from the Landscape Architect.

REF	SPECIES	SUPPLY	SIZE(cm)	HABIT	CTRS(m)
S1	Cercis 'Forest Pansy'	70L	150/175	Bushy	as shown
S2	Juniperus 'Sky Rocket'	35L	125/150	Bushy	as shown
S 3	Magnolia Stellata	25L	100/125	Bushy	as shown
S4	Maĥonia 'Winter Sun'	35L	125/150	Bushy	as shown
S5	Phormium Jester	25L	100/125	Triple Crwn	as shown
S6	Phormium 'Yellow Wave'	25L	100/125	Triple Crwn	as shown
S7	Photinia x fraseri 'Red Robin'	70L	175/200	1/2 Std	as shown
S 8	Syringa vulgaris 'Charles Joly'	25L	125/150	Bushy	as shown
C1	Pyracantha 'Golden Glow'	25L	180	On Trellis	as shown
C2	Trachelospernum jasminoides.	25L	180	On Trellis	as shown

All feature shrubs/climbers to be planted in accordance with the implementation and maintenance guidelines. No feature shrub/climber species, size or location should be altered without prior approval from the Landscape Architect.

SUPPLY SIZE(cm) HABIT

CTRS(m)

	ELAEB PRULU	Elaeagnus x ebbingei Prunus lusitanica	10L 10L	80/100 80/100	Bushy Bushy	0.50 0.50
	guidelines. <u>T</u> foundation de approval from 50cm wide be Hedgerow sh	shrubs to be planted in accordance w <u>he landscape proposals must be refer</u> <u>sign.</u> No hedgerow shrub species, size in the Landscape Architect. Hedgerow ed and mulched in accordance with imp rubs to be cut back to 80cm at the timp visibility lines, where the maximum he	rred to by the or location shrubs to bolo bolo bolo bolo bolo bolo bolo b	ne Structura In should be In and main Ig and maint	al Engineer d altered with n a single row tenance guid	<u>uring</u> out prior v within a delines.
γĴ	SHRUB M	IX 1				
ļ	ABBR	SPECIES	SUPPLY	SIZE(cm)	HABIT	CTRS(m)
	CHOTES	Choisya ternata 'Sundance'	10L	40/60	Bushy	0.70
	ELAEB	Elaeagnus ebbingei	10L	80/100	Bushy	0.70
	* HEBALRE	Hebe albicans 'Red Edge'	10L	30/40	Bushy	0.70
	* LAVANMU	Lavandula angustifolia 'Munstead'	10L	30/40	Bushy	0.70
	PHODA	Phormium Dazzler	10L	60/80	Bushy	0.70
<u>ح</u> س	SHRUB M	IX 2				
Ţ	ABBR	SPECIES	SUPPLY	SIZE(cm)		CTRS(m)
ഹ	AUCCROA	Aucuba japonica 'Crotonifolia'	10L	40/60	Bushy	0.70
	CHOAP	Choisya 'Aztec Pearl'	10L	40/60	Bushy	0.70
	CORSAWF	Cornus sanguinea 'Winter Flame'	10L	40/00	Bushy	0.70
	* EUOFOEG	Euonymus fortunei 'Emerald Gaiety'	10L	30/40	Bushy	0.70
	* HEBMW	Hebe 'Mrs Winder'	10L	30/40	Bushy	0.70
	SHRUB M	112.3				
ş						
	ABBR	SPECIES	SUPPLY	SIZE(cm)		CTRS(m)
		Aucuba japonica	10L	40/60	Bushy	0.70 0.70
	* EUOFOENG * MAHAQAP	Euonymus fortunei Emerald n Gold	IOL 10L	30/40	Bushy Bushy	0.70 0.70
	PRULAOL	Mahonia aquifolium 'Apollo' Prunus laurocerasus 'Otto Luyken'	10L	30/40 60/80	Bushy	0.70
	VIBDA	Viburnum davidii	10L	40/60	Bushy	0.70
	VIDDA		IOL	40/00	Dusny	0.70
w Z	SHRUB M	IX 4				
ş	ABBR	SPECIES	SUPPLY	SIZE(cm)	HABIT	CTRS(m)
	AUCJAR	Aucuba japonica 'Rozannie'	10L	40/60	Bushy	0.70
	CHOTE	Choisya ternata	10L	40/60	Bushy	0.70
	* EUOFOEG	Euonymus fortunei 'Emerald Gaiety'	10L	30/40	Bushy	0.70
	HYPHI	Hypericum 'Hidcote'	10L	40/60	Bushy	0.70
	* SARCO	Sarcococca confusa	10L	20/30	Bushy	0.70
γ	SHRUB M	IX 5				
Ş	ABBR	SPECIES	SUPPLY	SIZE(cm)) HABIT	CTRS(m)
^/]	CHOTES	Choisya ternata 'Sundance'	10L	40/60	Bushy	0.70
	* CISSP	Cistus [®] Silver Pink	10L	40/60	Bushy	0.70
	* HEBPIS	Hebe pinguifolia 'Sutherlandii'	10L	30/40	Bushy	0.70
	PITTETT	Pittosporum tenuifolium Tom Thumb	5'10L	30/40	Bushy	0.70
	DOCOF	D	101	10/10		0.70

SHRUB MIX 6

Rosmarinus officinalis

ROSOF

ABBR SPECIES SUPPLY SIZE(cm) HABIT * HEBRA Hebe rakaiensis 30/40 Bushy Lavandula angustifolia 'Munstead' * LAVANMU 10L 30/40 Bushy PERATBS Perovskia 'Blue Spire' 40/60 Bushy PHOWAVA Phormium 'Yellow Wave' 60/80 10L Bushy PHOFRRER Photinia fraseri Red Robin 10L 60/80 Bushy

ABBR	SPECIES	SUPPLY	SIZE(cm)	HABIT	CTRS(m)
AUCJA	Aucuba japonica	5L	40/60	Bushy	0.75
CORALE	Cornus alba 'Elegantissima'	3L	40/60	Branched	0.75
ELAPUMA	Elaeagnus pungens 'Maculata'	5L	40/60	Bushy	0.75
ALTA=	Fatsia japonica	5L	40/60	Bushy	0.75
PHOFRRER	Photinia fraseri Red Robin	5L	40/60	Bushy	0.75
PRULU	Prunus lusitanica	5L	40/60	Bushy	0.75

40/60

10L

0.70

CTRS(m)

0.70

0.70

0.70

0.70

0.70

CTRS(m)

0.70

0.70

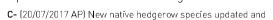
0.70

0.70

Bushy

AMENITY SHRUB MIX 2 - low level shrubs ABBR SPECIES SUPPLY SIZE(cm) HABIT BRASU Brachyglottis Sunshine 101 60/80 Bushy CEATHR Ceanothus thyrsiflorus repens 10L 40/60 Bushy HEBPIS Hebe pinguifolia 'Sutherlandii' 10L 30/40 Bushy PRULAZA Prunus laurocerasus Zabeliana 10L 60/80 Bushy

All shrubs to be planted in accordance with the implementation and maintenance guidelines. No shrub species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 3-7. Lower growing species to be planted at the front of the shrub bed and adjacent to paths. Low growing species marked with * above. Single species to be planted as per quantities set out on the drawing.



hedgerows retained & removed revised

B- (23/06/2017 LB) Updated to latest site layout

A- (31/03/2017 EW) Updated to latest site layout and client comments

on additional planting Revisions:

First Issue- 30/03/2017 EW



Soft Landscape Proposals Sheet 2 of 4

Drawing Ref: **P17-0233_02-C** Client: Bellway Homes

: 30/03/2017 Date Drawn by : EW

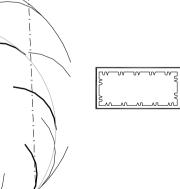
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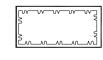


04 01 Sheet location plan Not to scale



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<u>_____</u>