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, snow-bound or during periods of cold drying winds. All bare root stock shall be root dipped in an approved water-retaining polymer.

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

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 as specified. Trees in grass will be protected by a circular mulch mat. Trees in hard landscape will be protected by a metal/heavy 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.

2.2 Planting
Shrubs and hedges are to be set out as shown on the drawing and pit planted into the prepared soil 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. Form trees in well and secure using 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.
Litter clearance: All litter is to be removed from planting beds.
Watering: Planting areas are to be brought up to field capacity at each visit and each tree is to receive 20 gallons.
Inspection trees: All tree ties and stakes are to be checked and adjusted if too loose, too tight or if chafing is occurring. Any damaged stakes are to be replaced.
Formative pruning: Any damaged shrubs/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 GRASS

3.1 Preparation
The area is to be turfed or 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 gm2.

3.2 Delivery and Storage
Turf shall be supplied in accordance with BS3936.

Turf shall be Medallion as supplied by Rowlawn. It shall be close textured and green in colour and be sufficiently fibrous to withstand handling. Turves shall be regular in shape, 300mm wide and of uniform thickness (minimum 25mm). The grass shall be closely mown and shall not exceed 25mm in height.

Turf shall be stacked in piles of up to 1 metre. It shall not be laid in frosty or waterlogged conditions and shall not be stacked in rolls for more than three days.

3.3 Turfing
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. Turves shall be laid hard up to the edges of adjoining turves and to any kerbs. They shall be brought to a true surface with no unevenness shall be made good by lifting the turf and adjusting the levels. Should shortage occur, fine topsoil shall be brushed into the joints.

3.4 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.

3.5 Initial cut
When newly seeded and turfed areas reach 50mm they should be lightly rolled and cut to a height of 30mm. All arisings shall be removed. Any bare patches shall be made good at this time. Seeded areas shall be cut for a second time when the sward is reaches 50mm high.

4.0 TOPSOIL

4.1 Existing Topsoil
Pre-planting herbicide application :-
100% (undiluted) spraying approved, an approved translocated systemic herbicide to the manufacturer's instructions and to COSHH (Control of Substances Regulations) and 2003 COSHH regulations on all beds, except those which are both weed free and are to receive agrostotis short mix10. Spray immediately after 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 perennial weeds shall be killed before any subsequent operations are carried out. Any replacement planting required as a result of 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 3882:2015, being free from rocks larger than 150mm diameter, concrete, all roots, wire, brick, and have less than 25% clay. Allow for pre-application of herbicide as above. Fertilise with 100g per meter square of Vitax "Nutricote 180" 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 300mm, ensuring that the full depth of the soil is broken up and loosened. For beds greater than 5 meters in width, and 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 metres of tree stems or 3 metres of existing hedges. Do not rip areas where roots greater than 10mm diameter are encountered.

4.2 Imported Topsoil
Any imported topsoil 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 25% clay.



PLANT SCHEDULE

PROPOSED TREES

ABBR	SPECIES	COMMON NAME	SUPPLY	HEIGHT (CM)	GIRTH	QTY (No.)
ACEST	Acer campestre 'Streetwise'	Field Maple	AHStd	400–450cm	16–18cm	21 –
ACEDEBA	Acer platanoides 'Deborah'	Norway Maple 'Deborah'	EHStd	350–425cm	14–16cm	4 –
AMEHH	Amelanchier 'Robin Hill'	Serviceberry 'Robin Hill'	EHStd	350–425cm	14–16cm	5 –
BETUTJA	Betula utilis Jacquemontii	Himalayan Birch	EHStd	350–425cm	14–16cm	8 –
CARBET	Carpinus betulus	Common Hornbeam	AHStd	400–450cm	16–18cm	19 –
LIQST	Liquidambar styraciflua	American sweetgum	EHStd	350–425cm	14–16cm	4 –
MAGLONE	Magnolia loebneri 'Merrill'		SStd	250–350cm	10–12cm	3 –
MALEV	Malus 'Evereste'	Crab Apple 'Evereste'	EHStd	350–425cm	14–16cm	18 –
MALTRI	Malus trilobata	Crab Apple	EHStd	350–425cm	14–16cm	6 –
PRUKA	Prunus 'Kanzan'	Japanese Cherry 'Kanzan'	EHStd	350–425cm	14–16cm	12 –
PRUBOUA	Prunus 'Sunset Boulevard'	Flowering Cherry 'Sunset Boulevard'	EHStd	350–425cm	14–16cm	8 –
PRUSE	Prunus serrula	Tibetan Cherry	EHStd	250–300cm		6 –
TILCOGR	Tilia cordata 'Greenspire'	Small-leaved Lime 'Greenspire'	AHStd	400–450cm	16–18cm	15 –

Total :129 –

PROPOSED SPECIMEN SHRUBS & CLIMBERS

ABBR	SPECIES	SUPPLY	HEIGHT (CM)	HABIT	CENTRES	QTY (No.)
FAJA	Fatsia japonica	15L	125–150cm	Bushy	Counted 7	–
JUNSKY	Juniperus 'Skyrocket'	15L	150–175cm	Bushy	Counted 7	–
MAHMEC	Mahonia x media 'Charity'	10L	60–80cm	Bushy	Counted 3	–
PHOFRRER	Photinia fraseri 'Red Robin'	35L	175–200cm	3/4 Std	Counted 11	–
PHOJE	Phormium 'Jester'	15L	80–100cm	Triple Crown	Counted 24	–
PHOSU	Phormium 'Sundowner'	10L	40–60cm	Triple Crown	Counted 15	–

PROPOSED CLIMBING PLANTS

ABBR	SPECIES	SUPPLY	HEIGHT (CM)	HABIT	CENTRES	QTY (No.)
JAOF	Josminum officinale 15L	150–200cm	On trellis	Counted 6	–	

PROPOSED HEDGEROWS

ABBR	SPECIES	SUPPLY	HEIGHT (CM)	HABIT	CENTRES (M)	QTY (No.)
LIGOV	Ligustrum ovalifolium 5L	40–60cm	Bushy	0.6Ctr	2424	–

PROPOSED INDIVIDUAL SHRUBS

ABBR	SPECIES	SUPPLY	HEIGHT (CM)	HABIT	CENTRES (M)	QTY (No.)	
EUOFOB	Euonymus fortunei 'Blondy'	5L	30–40cm	Bushy	0.67Ctr	285	–
EUOFOENG	Euonymus fortunei 'Emerald 'n' Gold'	10L	30–40cm	Bushy	0.6Ctr	66	–
HEBMB	Hebe 'Midsummer Beauty'	10L	40–60cm	Bushy	0.6Ctr	66	–
HEBMW	Hebe 'Mrs Winder'	10L	30–40cm	Bushy	0.65Ctr	3	–
LAVANMU	Lavandula angustifolia 'Munstead'	10L	30–40cm	Bushy	0.6Ctr	126	–
LAVAVE	Lavandula angustifolia 'Vera'	10L	30–40cm	Bushy	0.6Ctr	41	–
SKICOKEG	Skimmia confusa 'Kew Green'	10L	40–60cm	Bushy	0.7Ctr	41	–

PROPOSED ORNAMENTAL SHRUB MIXES

MIX NAME	ABBR	SPECIES	SUPPLY	HEIGHT (CM)	HABIT	CENTRES (M)	QTY (No.)	PLANT TO FRONT
DEFENSIVE 2 3L	AUCJA	Aucuba japonica	3L	30–40cm	Bushy	0.75Ctr	18	–
DEFENSIVE 2 3L	BERJU	Berberis julianae	3L	30–40cm	Bushy	0.75Ctr	18	–
DEFENSIVE 2 3L	ELAPUMA	Elaeagnus pungens 'Maculata'	3L	30–40cm	Bushy	0.75Ctr	18	–
DEFENSIVE 2 3L	OSMBU	Osmanthus burkwoodii	3L	30–40cm	Bushy	0.75Ctr	18	–
DEFENSIVE 2 3L	PYRRC	Pyracantha 'Red Cushion'	3L	30–40cm	Bushy	0.75Ctr	18	–
GROCOVER MIX A	HEDCHIB	Hedera helix 'Goldchild'	2L	60–80cm	Full pot	0.6Ctr	97	–
GROCOVER MIX A	HEDGLAA	Hedera helix 'Glacier'	2L	40–60cm	Full pot	0.6Ctr	97	–
GROCOVER MIX A	RUBASHA	Rubus 'Betty Ashburner'	2L	30–40cm	Bushy	0.6Ctr	192	–
GROCOVER MIX A	VINMI	Vinca minor	2L	20–30cm	Bushy	0.6Ctr	97	–
GREEN EDGE EW MIX 2	AUCJAR	Aucuba japonica 'Rozannie'	3L	30–40cm	Branched	0.7Ctr	210	–
GREEN EDGE EW MIX 2	BRASU	Brachyglottis 'Sunshine'	5L	30–40cm	Bushy	0.7Ctr	210	–
GREEN EDGE EW MIX 2	LONNMG	Lonicera nitida 'May Green'	5L	30–40cm	Bushy	0.7Ctr	210	–
GREEN EDGE EW MIX 2	PRULU	Prunus lusitanica	5L	30–40cm	Bushy	0.7Ctr	210	–
GREEN EDGE EW MIX 2	SKICOKEG	Skimmia x confusa 'Kew Green'	3L	20–30cm	Bushy	0.7Ctr	210	– Yes
GREEN EDGE N MIX 1	EUOFOB	Euonymus fortunei 'Blondy'	5L	30–40cm	Bushy	0.7Ctr	396	–
GREEN EDGE N MIX 1	EUPCW	Euphorbia characias wulfenii	5L		Full Pot	0.7Ctr	396	–
GREEN EDGE N MIX 1	HYPHI	Hypericum 'Hidcote'	5L	30–40cm	Bushy	0.7Ctr	396	–
GREEN EDGE N MIX 1	PRULAZA	Prunus laurocerasus 'Zabeliana'	5L	40–60cm	Bushy	0.7Ctr	396	–
GREEN EDGE N MIX 1	VIBPRU4	Viburnum tinus 'Eve Price'	3L	30–40cm	Bushy	0.7Ctr	396	–
GREEN EDGE S MIX 1	BRASU	Brachyglottis 'Sunshine'	5L	20–30cm	Bushy	0.7Ctr	223	–
GREEN EDGE S MIX 1	CEATHR	Ceanothus thyrsiflorus repens	3L	30–40cm	Bushy	0.7Ctr	223	– Yes
GREEN EDGE S MIX 1	HEBMAR	Hebe 'Marjorie'	5L	30–40cm	Bushy	0.7Ctr	223	–
GREEN EDGE S MIX 1	LAVANMU	Lavandula angustifolia 'Munstead'	5L	30–40cm	Bushy	0.7Ctr	223	– Yes
GREEN EDGE S MIX 1	PRULAO	Prunus laurocerasus 'Otto Luyken'	3L	40–60cm	Bushy	0.7Ctr	223	– Yes
LARGE ORN MIX 3L	AUCJA	Aucuba japonica	3L	30–40cm	Bushy	0.75Ctr	239	–
LARGE ORN MIX 3L	CORALE	Cornus alba 'Elegantissima'	3L	30–40cm	Bushy	0.75Ctr	239	–
LARGE ORN MIX 3L	ELAPUMA	Elaeagnus pungens 'Maculata'	3L	30–40cm	Bushy	0.75Ctr	308	–
LARGE ORN MIX 3L	FATJA	Fatsia japonica	3L	30–40cm	Bushy	0.75Ctr	308	–
LARGE ORN MIX 3L	PHOFRRER	Photinia x fraseri 'Red Robin'	3L	30–40cm	Bushy	0.75Ctr	308	–
LARGE ORN MIX 3L	PRULU	Prunus lusitanica	3L	30–40cm	Bushy	0.75Ctr	239	–
PARKING MIX C	CEATHR	Ceanothus thyrsiflorus repens	5L	30–40cm	Bushy	0.7Ctr	83	–
PARKING MIX C	EUOFOEG	Euonymus fortunei 'Emerald Gaiety'	5L	30–40cm	Bushy	0.7Ctr	83	– Yes
PARKING MIX C	HEBPIS	Hebe pinguifolia 'Sutherlandii'	5L	30–40cm	Bushy	0.7Ctr	83	– Yes
PARKING MIX C	LAVANHI	Lavandula angustifolia 'Hidcote'	5L	30–40cm	Bushy	0.7Ctr	83	– Yes
PARKING MIX C	PACTE	Pachysandra terminalis	5L	30–40cm	Bushy	0.7Ctr	83	– Yes
PLOT E&W MIX B 5L	CHOTES	Choisya ternata 'Sundance'	5L	40–60cm	Bushy	0.7Ctr	20	–
PLOT E&W MIX B 5L	ESCAB	Escallonia 'Apple Blossom'	5L	30–40cm	Bushy	0.7Ctr	20	–
PLOT E&W MIX B 5L	HEBMB	Hebe 'Midsummer Beauty'	5L	30–40cm	Bushy	0.7Ctr	20	–
PLOT E&W MIX B 5L	HYPHI	Hypericum 'Hidcote'	5L	30–40cm	Bushy	0.7Ctr	20	–
PLOT E&W MIX B 5L	VIBDA	Viburnum davidii	5L	40–60cm	Bushy	0.7Ctr	20	– Yes
PLOT N MIX C 5L	AUCJA	Aucuba japonica	5L	30–40cm	Bushy	0.7Ctr	39	–
PLOT N MIX C 5L	EUOFOENG	Euonymus fortunei 'Emerald 'n' Gold'	5L	30–40cm	Bushy	0.7Ctr	39	– Yes
PLOT N MIX C 5L	LONNMG	Lonicera nitida 'May Green'	5L	40–60cm	Bushy	0.7Ctr	39	– Yes
PLOT N MIX C 5L	PRULAZA	Prunus laurocerasus 'Otto Luyken'	5L	40–60cm	Bushy	0.7Ctr	39	–
PLOT N MIX C 5L	VIBDA	Viburnum davidii	5L	30–40cm	Bushy	0.7Ctr	39	–
PLOT S MIX B 5L	FESGLEB	Festuca glauca 'Elijah Blue'	5–7.5L		Full Pot	0.7Ctr	16	–
PLOT S MIX B 5L	HEBMB	Hebe 'Midsummer Beauty'	5L	30–40cm	Bushy	0.7Ctr	16	–
PLOT S MIX B 5L	HYPHI	Hypericum 'Hidcote'	5L	30–40cm	Bushy	0.7Ctr	16	–
PLOT S MIX B 5L	LAVANVE	Lavandula angustifolia 'Vera'	5L	30–40cm	Bushy	0.7Ctr	16	– Yes
PLOT S MIX B 5L	PERAT	Perovskia atriplicifolia 'Blue Spire'	5L	40–60cm	Bushy	0.7Ctr	16	–

PROPOSED LAWN TURF (or similar approved)

MIX NAME	SEED MIX SUPPLIER	AREA
Medallion Turf Rolawn Limited		7739.7497m²

NOTES

All trees, feature shrubs, climbers, shrubs and hedgerows to be planted in accordance with the implementation and maintenance guidelines. All landscape proposals must be referred to by the Structural Engineer during foundation design. No tree, feature shrub, climber, shrub and hedgerow species, size or location should be altered without prior approval from the Landscape Architect.

- Individual shrub/herbaceous/grass species to be planted in groups of 3-7.
- Individual shrub species to alternate every 3 linear metres, in groups of 5-9.
- Lower growing species within ornamental shrub mixes to be planted at the front of the shrub bed (as indicated).
- Individual bulbs species to alternate every 2 linear metres.
- Individual herbaceous species to be planted in groups of 5 unless stated.
- Hedgerow shrubs to be planted within a 80cm wide bed and mulched.
- Any native hedgerow shrubs to be planted on a double staggered row, 250mm apart with no less than 6 per linear metre within a 50cm wide bed in accordance with implementation and maintenance guidelines. Any feathered stock is to have a upright central stem furnished with evenly spread and balanced lateral growth the full length of the stem. If feathered hedgerow stock is proposed, shrubs are to be attached to a double tier support line for feathered stock at 1m high and one for transplant stock at 60cm high) fence using an approved clip tie and cut back to promote bushy growth.
- Pond marginal planting to be sourced from certified local provenance plant stock.
- Soiling operations to be carried out in accordance with the implementation and maintenance guidelines.
- Seeding to be carried out in accordance with the implementation guidelines.
- No species, variety, size or position to be amended without the Landscape Architects prior approval.
- Before trees are planted, the Landscape Contractor shall ascertain the location of drains from the site manager, and shall if necessary make minor adjustments to tree positions to ensure that no tree is planted within 3m of a drain. Trees shall be planted a minimum distance from buildings closer to houses/garages than is shown on the drawing, and if shown located in shrub beds, the edge of the bed may have to be adjusted if necessary to accommodate the revised tree position.
- All planting must be mulched in accordance with the implementation and maintenance guidelines.
- If planting is required outside the October-March season, bare root shrubs will be replaced by 3L pot grown plants, and trees will be replaced by a containerised equivalent to be approved by the project landscape architect.

KEY

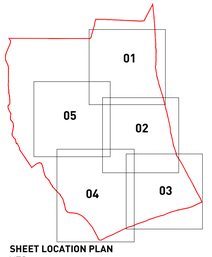
Site boundary

Existing trees and vegetation to be retained
Root protection areas indicated with dashed red line where known.

Existing trees and vegetation to be removed

Soft Landscape Proposals
Refer to plant schedule for details.

Tree root barrier location
Reroot 600 linear protection, supplied by GreenBlue Urban or similar approved. Any trees within 2m of services to be reroot 1000 linear protection. Exact location and specification subject to be reviewed by engineers and to be agreed with the site engineer.



SHEET LOCATION PLAN
NTS

C- 27/01/2022 SL| Parking spaces added to revised layout.
B- 07/01/2022 SL| Existing metal railings and hedgerow added to revised layout.
A- 03/12/2020 JDA| Amended trees in accord with street lighting layout and comments.
Revisions:
First Issue: 13/08/2020 JDA/NF

NORTH

Kedleston Road, Allestree

Detailed Soft Landscape Proposals *Sheet 1 of 5*

Drawing Ref: P20-1796_01-C
Client: MILLER HOMES

Date : 13/08/2020
Drawn by : JDA/NF
Checked by : AP
Scale : 1 : 250 @ A0

Pegasus Group

DESIGN ENVIRONMENT PLANNING ECONOMICS HERITAGE

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