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

If the formation level is compacted it should be ripped through before Recommended topsoil depths are 300mm for shrubs and 150mm for

2.0 ON PLOT 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 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 to comfortably fit the rootball and the base broken up a further 50mm with the sides well scarified to prevent smearing. Trees shall be double staked or underground anchored (with hard surface areas), 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 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 as required.

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. Checking 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 GRASS

3.1 Preparation

The area 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 g/m2.

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 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.

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

NOTES

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 reaches 50mm high.

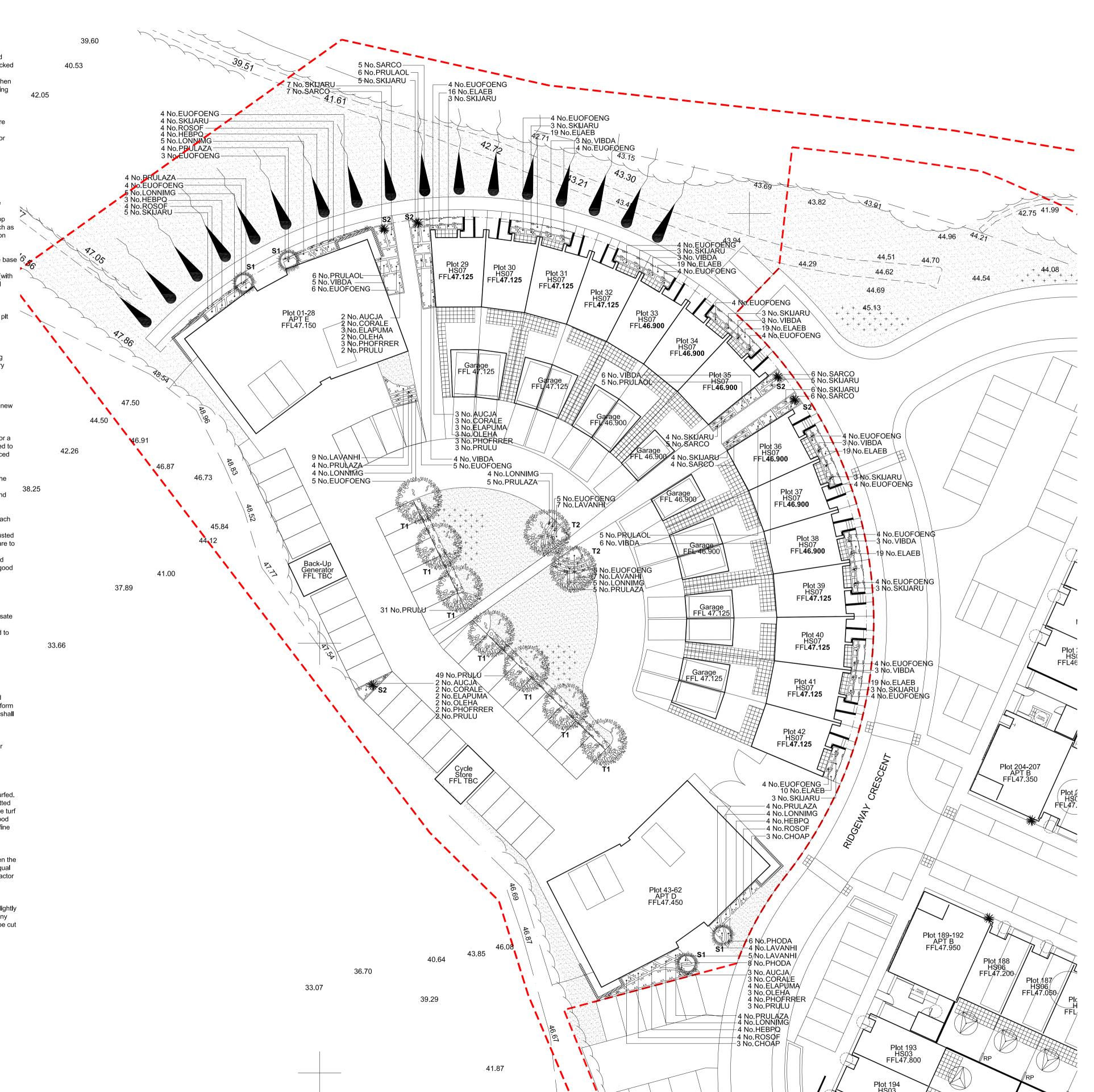
All landscape proposals must be referred to by the Structural

- Engineer during foundation design.
- Soiling operations to be carried out in accordance with the implementation and maintenance guidelines.
- All planting to be in accordance with the implementation and maintenance 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 they are planted at least 1.5m from drains. They should however be planted no closer to houses/garages than is shown on the drawing, and if shown located in shrub beds, the shape of
- the latter should be adjusted if necessary to accommodate the revised tree position. All planting must be mulched in accordance with the implementation and maintenance guidelines.

the project landscape architect.

If planting is required outside the October-March season, trees will be replaced by a containerised equivalent to be approved by

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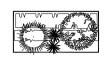




KEY Site boundary



Existing vegetation



Soft landscape proposals See plant schedule for details.



PLANT SCHEDULE

Low level brick wall



REF SPECIES SUPPLY SIZE(cm) GIRTH(cm) CTRS(m) EHStd 425/600 18/20 Betula pendula 'Jaquemontii T2 Carpinus betulus 'Frans Fontaine' EHStd 425/600 18/20 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.



SPECIMEN SHRUBS

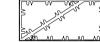
REF SPECIES SUPPLY SIZE(cm) HABIT CTRS(m) \$1 Photinia x fraseri 'Red Robin' 200/225 1/2 Std as shown **S2** Phormium tenax 'Sundowner' 25L 100/125 Triple crwn as shown All specimen shrubs and climbers to be planted in accordance with the implementation and maintenance guidelines. No feature shrub or climbers species, size or location should be altered without prior approval from the Landscape Architect.



HEDGEROWS ABBR

SPECIES SUPPLY SIZE(cm) HABIT ELAEB Elaeagnus x ebbingei 80/100 Bushy 0.50 10L 80/100 Bushy PRULU Prunus Iusitanica All hedgerow shrubs to be planted in accordance with the implementation and maintenance guidelines. No hedgerow shrub species, size or location should be altered without prior approval from the Landscape Architect. Hedgerows within visibility splays to be no higher than 600mm.

SHRUBS/HERBACEOUS TO PLOTS



ş	ABBR	SPECIES	SUPPLY	SIZE(cm)	HABIT	CTRS(
	AUCJA	Aucuba japonica	5L	40/60	Bushy	0.75
	CHOAP	Choisya 'Aztec Pearl'	10L	40/60	Bushy	0.70
	CHOTES	Choisya ternata 'Sundance'	10L	40/60	Bushy	0.70
	CORALE	Cornus alba 'Elegantissima'	3L	60/80	Branched	0.75
	ELAPUMA	Elaeagnus pungens 'Maculata'	5L	40/60	Bushy	0.75
	EUOFOENG	Euonymus fortunei 'Emerald n Gold'	5L	30/40	Bushy	0.60
	HEBPQ	Hebe 'Purple Queen'	10L	30/40	Bushy	0.70
	LAVANHI	Lavandula ang. 'Hidcote'	10L	40/60	Bushy	0.65
	LONNIMG	Lonicera nitida 'May Green'	10L	40/60	Bushy	0.70
	OLEHA	Olearia haastii	5L	40/60	Bushy	0.75
	PHODA	Phormium 'Dazzler'	10L	40/60	Bushy	0.70
	PHOFRRER	Photinia x fraseri 'Red Robin'	5L	40/60	Bushy	0.75
	PRULAOL	Prunus laurocerasus 'Otto Luyken'	10L	60/80	Bushy	0.70
	PRULAZA	Prunus laurocerasus 'Zabeliana'	10L	60/80	Bushy	0.70
	PRULU	Prunus Iusitanica	5L	60/80	Bushy	0.75
	ROSOF	Rosmarinus offinalis	10L	60/80	Bushy	0.70
	SARCO	Sarcococca confusa	5L	40/60	Bushy	0.60
	SKIJARU	Skimmia japonica 'Rubella'	10L	40/60	Bushy	0.70
	VIBDA	Viburnum davidii	10L	40/60	Bushy	0.70

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



MIX (%) GRADE No./m² DN1 DN1



To Crest Nicholson Specification

BULBS - Crocus & Daffodils

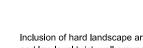
Crocus chrysanthus 'Snow Bunting'

Crocus vernus 'Jeanne d'Arc'

Daffodils 'February Gold

Daffodils 'Jet Fire'

SPECIES



Inclusion of hard landscape area in car park 10/10/13 LG and low level brick wall around appartments Amends following A519 comments

Phase 3, Penarth

Detailed Soft Landscape Proposals

Crest Nicholson (South West) Ltd

www.pegasuspg.co.uk Team LG 02/10/2013 Scale: 1:250 @A1

Pegasus

Bir.4092 13B