



- Site Boundary
- Existing Vegetation to be Retained
 - Indicate RPA areas
 - Refer to the Arboriculture Report for details
- Proposed Trees
 - Refer to the Arboriculture Report for details
- Proposed Specimen Shrub Planting
- Proposed Turf
 - Product: Medium Turf
 - Supplier: Brown
- Proposed Amenity Grass
 - Product: E22 - Strong Lawn Grass Mix
 - Supplier: Brown
- Proposed Species Rich Grass
 - Product: E1 - Flowering Lawn Mix
 - Supplier: Brown
- Proposed Planting Bed
- Proposed Structural Planting
- Proposed Rain Garden Planting
 - 15 to 20% of grassed area
- Proposed Ground Cover Planting with Bank Stabilisation
 - Refer to Engineer drawing for soil stabilisation detail
 - Product: Mowral 101
- Proposed Hedgerow
- Proposed Gravel
 - Gravel Chippings 20mm or smaller
- Boundary Treatments
 - Refer to Architects and Engineers drawings for details
- Proposed Lighting Column
 - Refer to engineer's plans for details
- Location of Underground Services
 - Refer to engineer's plans for details, engineers to review proposed tree locations
- Easement
 - Refer to engineer's plans for details

For proposed Public Open Space landscape proposals refer to drawing edp5601_0025.

NOTE:
No planting operations to be undertaken within RPA for trees designated under a TPO. Refer to arboricultural report and plans for details on locations of such trees.

overview

purpose of issue: **PLANNING**

of	Updated to reflect new layout	19.12.2025	JCN
re	Planting added to road block between plots 7&100	22.05.2025	MMN
	Original	14.08.2020	DR

rev / description / date / by

client: **Redrow Homes (South Wales) Ltd**

project title: **Cardleon University Campus**

drawing title: **Detailed Landscape Proposals for the Residential Plots**

date: **19 DECEMBER 2025**

drawing number: **edp5601_0031af**

scale: **1:200 @ A1**

Sheet 5 of 8

drawn by: **LCW**

checked by: **JTF**

QA

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- Site Boundary
- Existing Vegetation to be Retained

15 to 20 years old grassland
- Proposed Trees

Minimum 10m x 10m
- Proposed Specimen Shrub Planting

Minimum 10m x 10m
- Proposed Turf

Product: Mowat Turf
- Proposed Amenity Grass

Product: E22 - Strong Lawn Mix
- Proposed Species Rich Grass

Product: E1 - Flowering Lawn Mix
- Proposed Planting Bed

Minimum 10m x 10m
- Proposed Structural Planting

Minimum 10m x 10m
- Proposed Rain Garden Planting

Minimum 10m x 10m
- Proposed Ground Cover Planting with Bank Stabilisation

Refer to Engineer's drawing for soil stabilisation details
- Proposed Hedgerow

Minimum 10m x 10m
- Proposed Gravel

Golden Chippings 20mm or smaller
- Boundary Treatments

Refer to Architects and Engineers drawing for details
- Proposed Lighting Column

Refer to Engineer's plans for details
- Location of Underground Services

Refer to Engineer's plans for details, engineers to review proposed locations
- Easement

Refer to engineer's plans for details

For proposed Public Open Space landscape proposals refer to drawing edp5601_0025.

NOTE:
No planting operations to be undertaken within RPAs for trees designated under a TPO. Refer to arboricultural report and plans for details on locations of such trees.

overview

2

3

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purpose of issue

PLANNING

of

Updated to reflect new layout

19-12-2025

JCH

at

Planting added to road block between plots 74/90

22-05-2025

MMH

rev

Original

14-08-2020

DR

client

Redrow Homes (South Wales) Ltd

project title

Caerleon University Campus

drawing title

Detailed Landscape Proposals for the Residential Plots

date

19 DECEMBER 2025

drawing number

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1:2000 @ A1

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LCH

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DR

scale

QA

scale

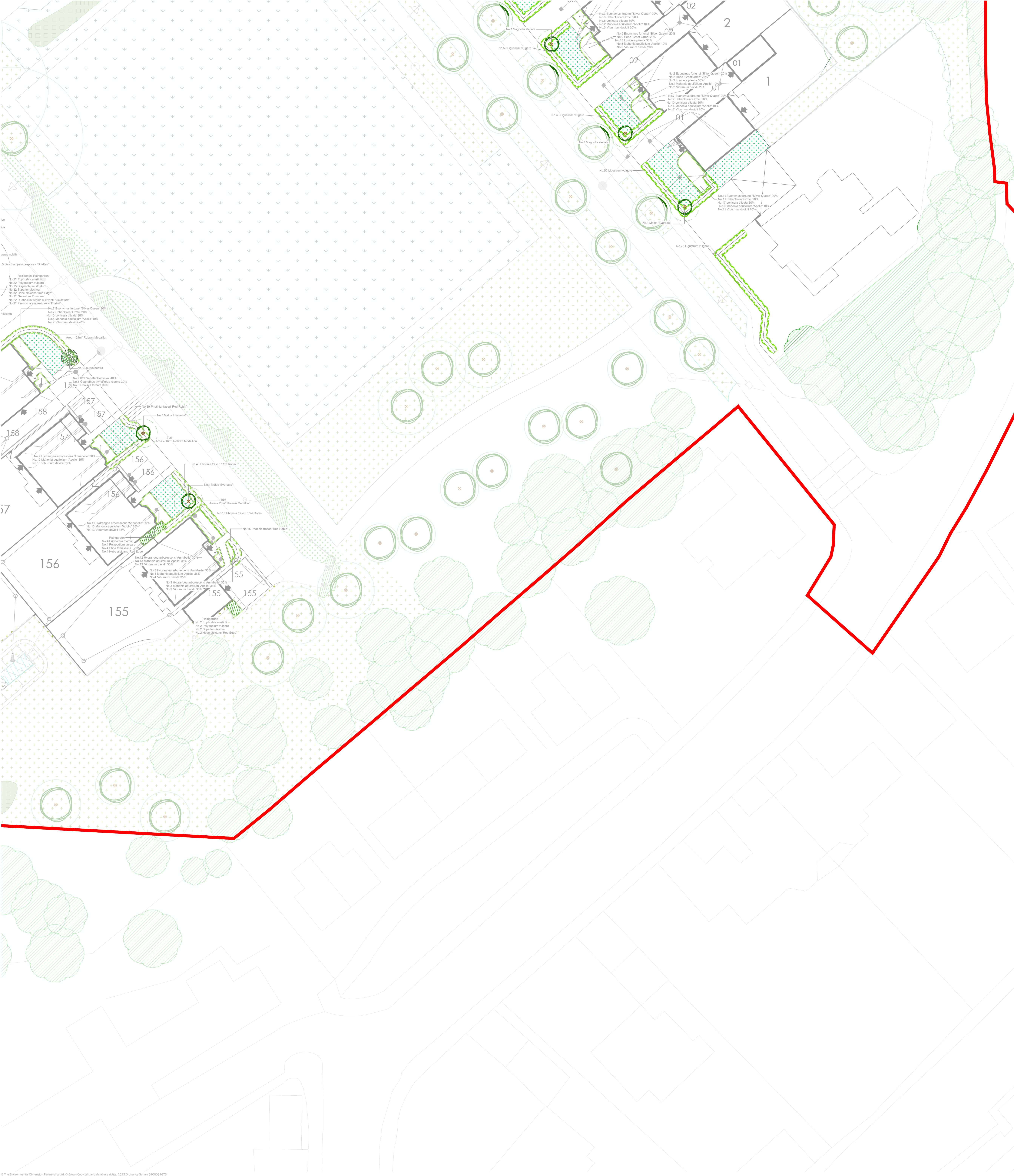
JTF

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Planting Schedule

Trees						
Number	Common Name	Species	Girth	Height	Specification	Density
1	Field Maple 'Streetwise'	Acer campestre 'Streetwise'	12-14cm	400-450cm	Half Standard; Clear Stem min. 200 ;3x; RB	Counted
2	Betula 'Edinburgh'	Betula	12-14cm	350-425cm	Extra Heavy Standard; Clear Stem min. 200 ;RB	Counted
1	Hornbeam 'Frans Fontaine'	Carpinus betulus 'Frans Fontaine'	16-18cm	400-450cm	BR; Extra Heavy Standard; Clear Stem min. 200	Counted
8		Cercis siliquastrum f. albid		100-125cm	Bushy ;3 brks	Counted
5	Star magnolia	Magnolia stellata	12-14cm	350-425cm	Heavy Standard ;Clear Stem min. 200 ;RB	Counted
16	Crab Apple 'Evereste'	Malus 'Evereste'	12-14cm	350-425cm	Heavy Standard ;Clear Stem min. 200 ;RB	Counted
2		Malus domestica 'John Downie'	8-10cm		RB; Standard; Clear Stem 175-200 ;3 brks	Counted
3	Flowering Cherry	Prunus 'Amanogawa'	12-14cm	350-425cm	Heavy Standard; Clear Stem 175-200 ;5 brks ;3x; RB	Counted
2	Sargent Cherry 'Rancho'	Prunus sargentii 'Rancho'	12-14cm		RB; Heavy Standard; Clear Stem 175-200	Counted
17	European mountain ash	Sorbus aucuparia	12-14cm		RB; Heavy Standard; Clear Stem 175-200	Counted
Total :57						

Shrubs						
Number	Common Name	Species	Height	Pot Size	Specification	Density
21	Japanese Laurel 'Rozannie'	Aucuba japonica 'Rozannie'	30-40cm	3L	Bushy ;C	3/m²
329		Aucuba japonica 'Rozannie'	40-60cm	5L	Branches ;5 brks ;C	4/m²
78	Shrub Ragwort	Brachyglottis 'Sunshine'	40-60cm	5-7 ;5L	C ;Branches ;5/6 brks	4/m²
3	California Lilac 'Burkwood'	Ceanothus 'Burkwood'	150-175cm	25L	C ;Caned Leader; With Laterals ;6/9 brks	Counted
515	Creeeping Blueblossom	Ceanothus thyrsiflorus repens	40-60cm	5L	Bushy ;5 brks	4/m²
21	Mexican Orange Blossom 'Aztec Pearl'	Choisya 'Aztec Pearl'	40-60cm	5L	Bushy ;5 brks	3/m²
39	Mexican Orange Blossom 'Aztec Pearl'	Choisya 'Aztec Pearl'	40-60cm	5L	Bushy ;5 brks	4/m²
372	Mexican Orange Blossom	Choisya ternata	40-60cm	5L	Bushy ;5 brks	4/m²
73	Mexican Orange Blossom 'Sundance'	Choisya ternata 'Sundance'	40-60cm	5L	Bushy ;5 brks	4/m²
66	Silver Dogwood	Cornus alba 'Elegantissima'	80-100cm	10L	Branches ;5 brks	Counted
190	Western Red Dogwood	Cornus alba 'Starburst'	40-60cm	2L	Leader; With Laterals	4/m²
279	Elaeagnus	Elaeagnus ebbingei	30-40cm	5L	Bushy ;7 brks	4/m²
243	Euonymus 'Emerald Gaiety'	Euonymus fortunei 'Emerald Gaiety'	40-60cm	5L	Bushy ;7 brks	4/m²
587	Euonymus 'Silver Queen'	Euonymus fortunei 'Silver Queen'	30-40cm	5L	Bushy ;7 brks	4/m²
68		Euphorbia amygdaloides robbiae		2L	Full Pot	4/m²
171	Witch Hazel 'Palida'	Hamamelis intermedia 'Palida'	30-40cm	5L	Bushy ;7 brks	4/m²
109	Shrubby Veronica 'Amy'	Hebe 'Amy'	30-40cm	3L	Bushy ;C	4/m²
414	Shrubby Veronica 'Great Orme'	Hebe 'Great Orme'	30-40cm	5L	Bushy ;5 brks	4/m²
519		Hebe alcockiae 'Red Edge'	40-60cm	5L	Bushy ;5 brks	3/m²
21	a Shrubby Veronica	Hebe rakateensis	40-60cm	5L	Bushy ;5 brks	3/m²
77	a Shrubby Veronica	Hebe rakateensis	40-60cm	5L	Bushy ;5 brks	4/m²
308	Sevenbark 'Annabelle'	Hydrangea arborescens 'Annabelle'	40-60cm	5L	Branches ;C	4/m²
169		Hydrangea quercifolia 'Snow Queen'	40-60cm	5L	Branches ;5 brks	4/m²
21	St John's Wort 'Hidcote'	Hypericum 'Hidcote'	30-40cm	3L	Bushy ;C	3/m²
220		Ilex crenata 'Convexa'	30-40cm	5L	Bushy ;5 brks	4/m²
273	Box-leaved Holly 'Golden Gem'	Ilex crenata 'Golden Gem'	30-40cm	2L	Bushy ;3 brks	4/m²
5	Bay Laurel	Laurus nobilis	30-40cm	25L	Ball on stem; Topiary Quarter Standard; ball diameter 50cm; clear stem 50cm; neatly clipped	Counted
57	English Lavender	Lavandula angustifolia	40-60cm	5L	Branches ;5 brks	4/m²
276	Lavender 'Hidcote'	Lavandula angustifolia 'Hidcote'	30-40cm	5L	Bushy ;7 brks	4/m²
531	Common Privet	Ligustrum vulgare	60-80cm	3L	Branches ;4 brks	4/m²
602	Box-leaf Honeysuckle	Lonicera pileata	30-40cm	7.5L	Bushy ;6/9 brks	4/m²
21	Privet Honeysuckle	Lonicera pileata	30-40cm	7.5L	Bushy ;6/9 brks	3/m²
580	Oregon Grape 'Apollo'	Mahonia aquifolium 'Apollo'	40-60cm	5L	Bushy ;C	4/m²
65	Japanese Spurge	Pachysandra terminalis		2L	Several shoots ;7 brks	6/m²
35	New Zealand Flax 'Sundowner'	Phormium 'Sundowner'	40-60cm	10-15L	Triple crown	4/m²
2	Christmas Berry 'Red Robin'	Photinia x fraseri 'Red Robin'		18L	Half Standard; bushy head	Counted
131	Kohuhu 'Tom Thumb'	Pittosporum tenuifolium 'Tom Thumb'	30-40cm	5L	Bushy ;5 brks	4/m²
2	Portugal Laurel	Prunus lusitanica	100-125cm	RB	Bushy ;7/10 brks	Counted
92	Rosemary	Rosmarinus officinalis	40-60cm	5L	Bushy ;5 brks	4/m²
329	Sweet Box	Sarcococca confusa	30-40cm	5L	Bushy ;3 brks	4/m²
5	Lilac 'Charles Joly'	Syringa vulgaris 'Charles Joly'	80-100cm	15L	Branches ;5/6 brks	Counted
996	Viburnum	Viburnum dentifol	40-60cm	5L	Bushy ;C	4/m²
69	Big periwinkle	Vinca major	10-20cm	2L	Bushy ;7 brks	6/m²
Total :8987						

Herbaceous						
Number	Common Name	Species	Height	Pot Size	Specification	Density
51	Bronze Bugle	Ajuga reptans 'Atropurpurea'		3L	Full Pot	6/m²
29	Tufted Hair Grass	Deschampsia cespitosa		3L	Full Pot	4/m²
57	Globe Thistle	Echinops ritro		3L	Full Pot	6/m²
431		Euphorbia martini		2L	Full Pot	3/m²
89	Balkan Cranebill	Geranium macrorrhizum		3L	Full Pot	6/m²
280	Cranebill Rozanne	Geranium Rozanne		2L	Full Pot	3/m²
8	Lenten Rose	Helleborus orientalis		3L	Full Pot	6/m²
51		Liriope muscari 'Variegata'		3L	Full Pot	6/m²
109	Catmint 'Six Hills Giant'	Nepeta 'Six Hills Giant'		3L	Full Pot	6/m²
192		Periscaria amplexicaulis 'Fritell'		2L	Full Pot	3/m²
29		Polemonium caeruleum		3L	Full Pot	6/m²
192	Black-eyed Susan 'Goldsturm'	Rudbeckia hirta 'Goldsturm'		2L	Full Pot	3/m²
57	Black-eyed Susan 'Goldsturm'	Rudbeckia hirta 'Goldsturm'		3L	Full Pot	6/m²
133		Sisyrinchium striatum		2L	Full Pot	2/m²
22	Giant Feather Grass	Stipa gigantea		3L	Full Pot	3/m²
Total :1727						

Climbers					
Number	Common Name	Species	Pot Size	Specification	Density
541	Ivy 'Green Ripple'	Hedera helix 'Green Ripple'	2L	Several Shoots ;3 brks	8/m²
Total :541					

Ferns					
Number	Common Name	Species	Pot Size	Specification	Density
57	Common Male Fern	Dryopteris filix-mas	2L	Full Pot	5/m²
431	Common Polypody	Polypodium vulgare	2L	Full Pot	3/m²
Total :488					

Grasses				
Number	Common Name	Species	Specification	Density
155	Tufted Hair Grass 'Goldtau'	Deschampsia cespitosa 'Goldtau'	Full Pot	Counted
57	Golden Hakone Grass	Hakonechloa macra 'Aureola'	Full Pot	5/m²
519	Mexican Feather Grass	Stipa tenuissima	Full Pot	3/m²
Total :731				

Hedges					
Number	Common Name	Species	Height	Specification	Density
805	Field Maple	Acer campestre	60-80cm	Whip	0.3Cir Double Staggered at 0.5m offset
1333	Common Hornbeam	Carpinus betulus	60-80cm	Whip	0.3Cir Double Staggered at 0.5m offset
539	Common Holly	Ilex aquifolium	60-80cm	Whip	0.3Cir Double Staggered at 0.5m offset
886	Common Privet	Ligustrum vulgare	60-80cm	Branches ;4 brks	0.3Cir
1262	Common Privet	Ligustrum vulgare	80-100cm	B; 1+2; Transplant - seed raised	0.3Cir
1448	Christmas Berry 'Red Robin'	Photinia fraseri 'Red Robin'	30-40cm	Bushy ;5/6 brks	0.3Cir
1085	Portugal Laurel	Prunus lusitanica	40-60cm	Bushy ;4 brks	0.3Cir
Total :7358					

Grass Areas				
Weight	Seed Mix Name	Seed Mix Details	Seed Mix Supplier	Density
	Medallion		Rotolaw	1/m²

Ground Cover Planting with Bank Stabilisation

Shrubs						
Number	Common Name	Species	Height	Pot Size	Specification	Density
403	Japanese Spurge	Pachysandra terminalis		1L	Several shoots ;5 brks	6/m²
418	Lesser Periwinkle	Vinca minor		1L	Several shoots ;2 brks	6/m²
Total :821						

Herbaceous						
Number	Common Name	Species	Height	Pot Size	Specification	Density
418		Epimedium rubrum		1-1.5L	Full Pot	6/m²
Total :418						

Ferns					
Number	Common Name	Species	Pot Size	Specification	Density
156	Hard Fern	Blechnum spicant	1-1.5L	Full Pot	6/m²
156	Common Polypody	Polypodium vulgare	1-1.5L	Full Pot	6/m²
Total :312					

Note: Macmat to be cut to accommodate specified 1L planting - cut minimum hole required. Macmat to be laid flat and not filled but held in place where required. To be

Site Boundary

Existing Vegetation to be Retained

Proposed Trees

Proposed Specimen Shrub Planting

Proposed Turf

Proposed Amenity Grass

Proposed Species Rich Grass

Proposed Planting Bed

Proposed Structural Planting

Proposed Road Garden Planting

Proposed Ground Cover Planting with Bank Stabilisation

Proposed Hedgerow

Proposed Gravel

Boundary Treatments

Proposed Lighting Column

Location of Underground Services

Easement

Refer to the Architectural Report for details

Refer to the Architectural Report for details

Product: Medallion Turf

Product: E202 - Strong Lawn Grass Mixture

Product: E1 - Flowering Lawn Mixture

15 to 20cm to ground level

Refer to the Engineer's drawing for soil stabilisation detail

Product: Macmat 150

Product: Macmat 150

Refer to the Engineer's plans for details

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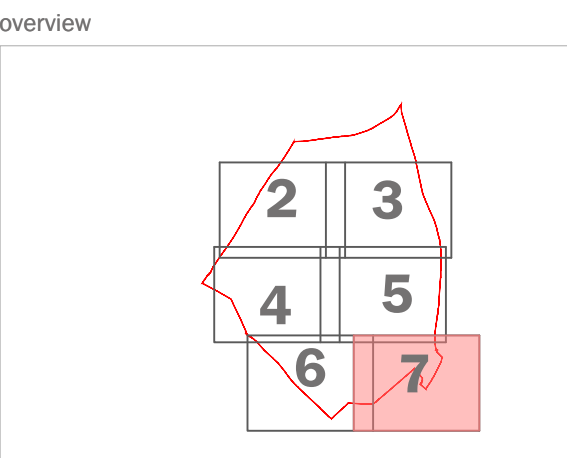
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For proposed Public Open Space landscape proposals refer to drawing edp5601_0025.

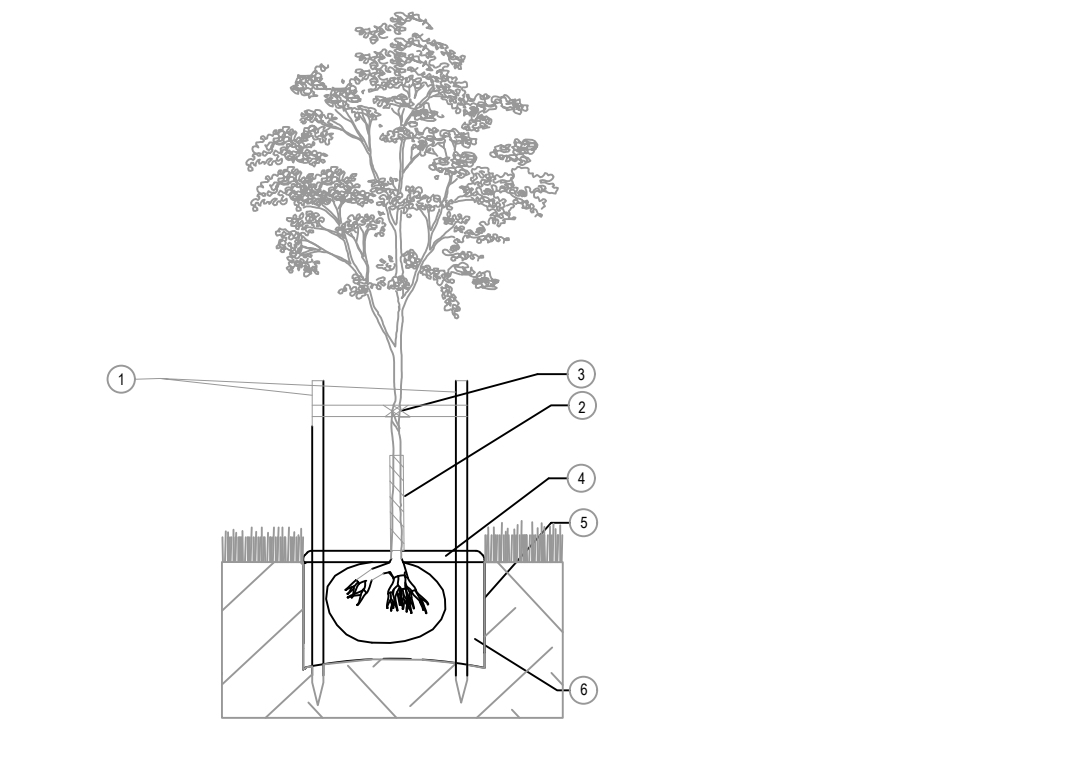
NOTE: No planting operations to be undertaken within RPAs for trees designated under a TPO. Refer to arboricultural report and plans for details on locations of such trees.



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purpose of issue			
PLANNING			
of	Updated to reflect new layout	19-12-2025	JCH
at	Planting added to road block between plots 74/90	22-05-2025	WMH
by	Original	14-08-2020	DR
rev	description	date	by
client			
Redrow Homes (South Wales) Ltd			
project title			
Caerleon University Campus			

drawing title			
Detailed Landscape Proposals for the Residential Plots			
date	19 DECEMBER 2025	drawn by	LCH
drawing number	edp5601_0031af	checked	DR
scale	1:200 @ A1	QA	JTF



Tree Pit Detail

1. 2x taranised timber tree stakes 2m, 75mm Ø and crossbar driven into backfilled pit to provide support to the tree. Where trees are to be installed within rangers/dens/borderline features, stakes to be installed to a maximum depth of 750mm to ensure the liner is not compromised.
2. Clear spiral guard to be fitted to trunk to protect against animal browsing.
3. Use 2x Tree Ties GLB25A with GLPFA spacer sleeves or similar to secure tree to support post.
4. 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture. Alternatively, a suitable mulch mat can be used covering the same area.
5. Excavate tree pit to sufficient size to accommodate tree root ball. Loosen any compaction in base of excavated pit to aid drainage. Tree to be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.
6. Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil amendments may be used sparingly or imported topsoil compliant with BS3882 should be used. Immediately after planting, water the tree, saturating the tree pit to field capacity.

The notes above are intended as a basic guide only. For further guidance on tree planting refer to BS 8545:2014 Section 10.

Products underlined above are available from Green Blue Urban (<http://greenblueurban.com/>).

Tree Maintenance and Management During 5 Year Establishment Period

Immediately following planting, the tree will be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted trees are to be watered regularly during periods of dry weather. If the tree pit has been specified with an irrigation pipe, this will be used as the primary method of watering. If no irrigation pipe is specified, the square metre of ground around the tree will be soaked to field capacity (refer to BS8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the root ball of the newly planted tree from drying out.

All trees are fitted with protective guards to prevent animal damage. These are to be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs, additional measures will be required.

A formal assessment of young tree health and development must be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment, any stakes and ties will be checked to ensure they are providing support but not damaging the tree and that the tree is still firmly seated in the ground. If the tree has become loose in the ground, the soil around the base will be re-firmed and stakes and ties adjusted accordingly.

The mulched area around the base of the tree is to be kept clear of competing vegetation and weeds at all times.

Tree stakes and ties are to be removed once the tree has established a strong enough root system to support itself, likely to be 3-5 years after planting. Tree guards, are only be removed if they are beginning to restrict tree growth or if it is felt the risk of damage has significantly reduced due to strong tree growth and development or changes in the surrounding environment.

Formative pruning will be carried out in accordance with BS3998 as required throughout the 5 year establishment period.

For further guidance on tree maintenance during establishment refer to BS8545:2014 Section 11.

Native Hedgerow Planting Detail

1. Clear spiral guard to be fitted to trunk to protect against animal browsing with supporting cane or stake.
2. 2m wide biodegradable weed mat roll pegged down with biodegradable pegs along line of hedgerow to prevent weed growth and retain moisture.
3. Whip to be notch planted following clearance of any existing vegetation.

Immediately after planting, water the whip, saturating the ground around its base to field capacity.

The notes above are intended as a basic guide only. For further general guidance on planting refer to BS8545:2014 Section 10 and BS4226:1989 Section 5.

Products suggested in italics above are available from Tubex (<http://www.tubex.com/>).

Whip Maintenance and Management During 5 Year Establishment Period

Immediately following planting, the whip will be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted whips are to be watered regularly during periods of dry weather. When watering the square meter of ground around the whip will be soaked to field capacity (refer to BS 8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the roots of the newly planted whip from drying out.

All whips are fitted with protective guards to prevent animal damage. These are to be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs additional measures will be required.

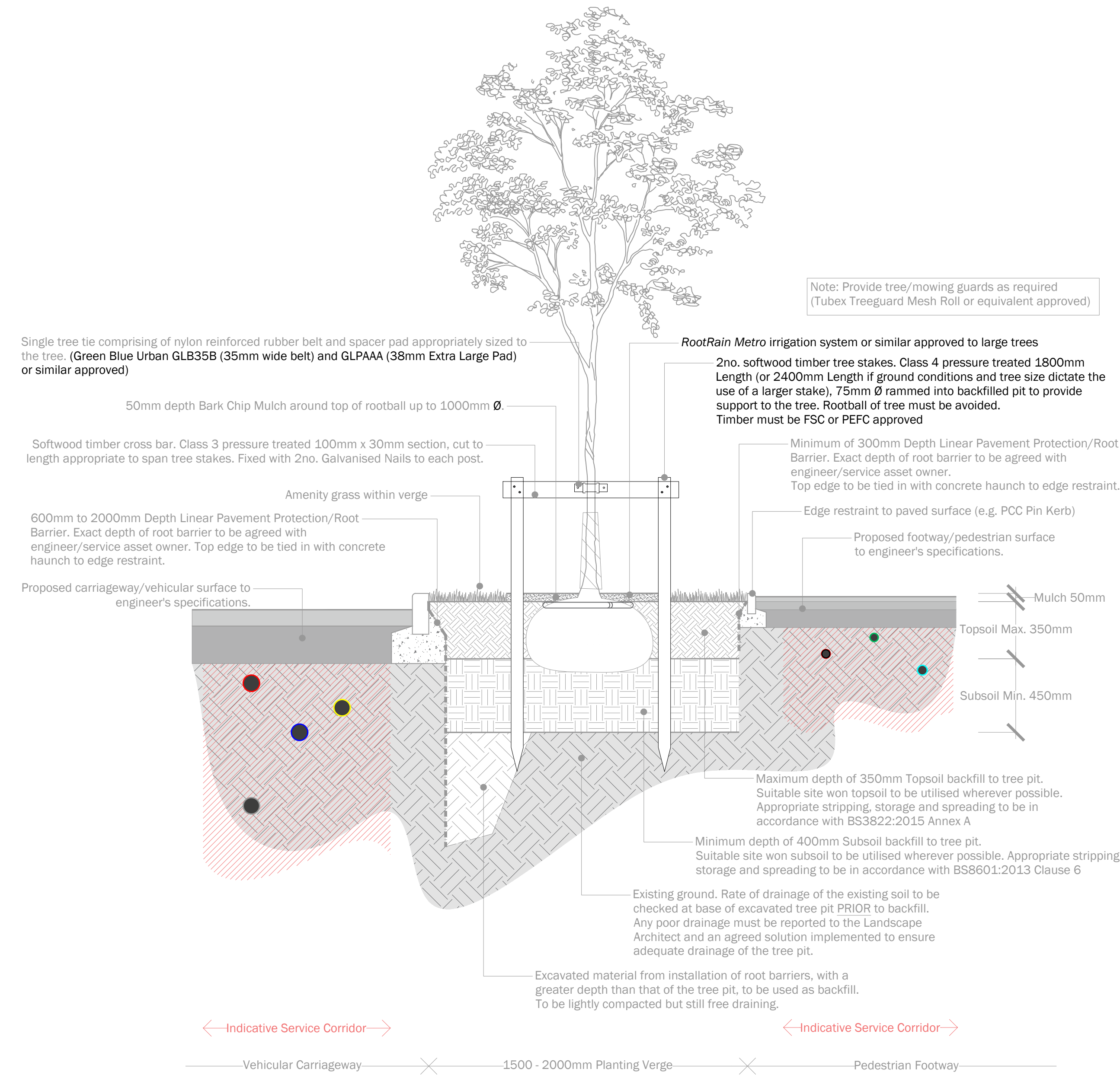
A formal assessment of areas of whip planting must be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment any guards and cane/stakes will be checked to ensure they are providing protection but not damaging the developing whip and that its roots are still firmly seated in the ground. If the whip has become loose in the ground the soil around the base will be re-firmed and guards adjusted accordingly.

The space above the mulch mat around the whip is to be kept clear of competing vegetation and weeds at all times.

The shrub shelter/guard will be removed once the whip has established a strong enough root system to support itself and has begun to grow strongly clear of the top of the shelter/guard, likely to be 3-5 years after planting. Biodegradable mulch mats can remain in place indefinitely.

Formative pruning will be carried out in accordance with BS3998 as required during the first 5 years to ensure the desired form is achieved.

For further guidance on whip and tree maintenance during establishment refer to BS8545:2014 Section 11.



TREE PIT DETAIL
TREE IN GRASS VERGE, ADJACENT SERVICES
ABOVE GROUND STAKING
1:20 @ A1

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purpose of issue: **PLANNING**

ref	Updated to reflect new layout	19-12-2025	JCH
as	Planting added to road block between plots 7&8/90	22-05-2025	MMH
-	Original	14-08-2020	DR

rev description date by

client
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project title
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Sheet 8 of 8

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