EXISTING TREES AND SHRUBS

Where existing trees & shrubs are to be retained they should be subject to a full arboricultural inspection for safety.

Any surgery required shall be in accordance with BS 3998 (2010) 'Tree Work - Recommendations', shall comply with any existing T.P.O requirements and shall require the prior approval of the Landscape Architect.

Avoid damage to branches, trunks and roots of trees. All existing trees & hedges to be retained are subject to BS 5837 (2012) 'Trees in relation to design, demolition and construction - Recommendations', and should be fully fenced off, prior to the commencement of any works, in accordance with Figure 2 (p20) at the full extent of the root protection area, as determined by section 4.6 (p10-11) and Annex D (p40).

No storage of materials, disposal of rubbish, site fires, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree / hedge canopies.

PLANTING

All plants and planting to comply with the requirements of all current / relevant British Standard specifications including BS 8545 (2014) 'Trees from Nursery to Independence in the Landscape', BS 3936 Part 1 (1992), Part 2 (1996) and Part 4 (2007) and BS 4043 (1989) where applicable, BS 4428 (1989). All plants to be supplied in accordance with the plant schedule and with regard to imported stock and notifiable diseases within the Plant Health Act 1967 (revised 2009). Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sizes specified. Where possible, trees and shrubs of UK provenance are preferred.

TREE PLANTING

A suitable method of foundation allowing for existing ground conditions is to be provided to accommodate the proposed tree planting. All trees are to be planted as shown ensuring a minimum of 5 metres from buildings and 3 metres from drainage and services. Where necessary, root barriers to be installed (supplier: GreenBlue Urban (www.greenblueurban.com), or equal approved), as recommended by structural engineer. Allow for the use of container grown stock during the period 1 April to 31 October, and field grown stock from 1 November to 31 March.

SHRUB PLANTING

Where a shrub planting mix has been specified, plants to be grouped in 3 No. (min.) to 7 No. (max.) single species groups. Larger species to be located towards the rear of planting beds (i.e. where against a screen wall / house frontage), or towards the centre of an island planting bed. Thorny species to be located centrally within the planting bed.

TOPSOIL REQUIREMENTS

To BS 3882 (2015) 'Specification for topsoil' as qualified by full contract specification. All areas shall be cultivated to a minimum depth of 150mm. Full weed, rubbish and stones over 20mm gauge shall be removed. Earth to be rolled as required and raked in two directions. Applied to all newly planted areas (except wildflower / meadow planting), to manufacturers' recommendations where appropriate.

Shrub / structure planting beds - 450mm depth

Heavy standard tree pits - 1500mm dia. x 450mm depth (Note: 450mm depth subsoil to be provided below - refer to tree pit details)

Grass areas - 150mm depth

Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened.

Full analysis of existing and imported topsoil required prior to use.

TOPSOIL IMPROVEMENTS

Applied to all newly planted areas, to manufacturers' recommendations where appropriate:

1) Incorporate 75mm depth of soil conditioner into topsoil during cultivation;
2) Incorporate Enmag CRF granular fertilizer at approx 140g per pit to standard tree pit backfill and 70g per pit to structural / ornamental shrub planting;
3) Watering - supply minimum 54 litres / tree and 4.5 litres / shrub at planting;
4) Mulch - lightly fork over planted areas before applying a 75mm depth 50-100mm grade bark mulch. Note: all trees are to have minimum 300mm dia 'weed free' mulched areas around the base to eliminate the risk of strimmer damage. Ornamental Bark to consist of predominantly matured British Pine Bark with an even nominal particle size distribution of 5-35mm with 0% dust & fines & less than 5% wood content. The product shall be pest, disease & weed free & not have been treated with Methyl Bromide or any additives. The product shall have been tested in accordance with the requirements of BS 4790:1987, for fire resistance. NB - Watering to be carried out prior to application of bark mulch.

PLANT MATERIAL TREATMENT

NB All to be British grown stock and fully hardened off.

Root Dip - Proprietary Root Dip applied to all bare rooted stock (1) at time of lifting at nursery and (2) prior to planting.

Anti-Desiccant - Proprietary anti-desiccant to be applied to foliage of allcontainerised / rootballed material in leaf, specimen conifers and evergreens etc. (1) prior to transportation and (2) during any delay in planting.

Pruning - Allow for pruning of all deciduous trees and shrubs by 1/3rd following planting at Landscape Architects direction or as indicated in the planting schedule.

Tree Stakes & Ties - Stakes to be pressure treated, round, smooth and peeled Larch or Chestnut, not less than 100mm in diameter. Advanced nursery stock - double staked with cross bar.

TREE STAKES, TIES & GUARDS

Trees planted within grassed areas to be provided with appropriate conical strimmer guards. Stakes to be pressure impregnated softwood, round, peeled, straight, free of projections and pointed at one end. Minimum length and thickness to be determined as follows:

Tree type	Min Dia.	Overall Height	Height exposed above ground
Ex / Hvy Std	100mm	1.8m	0.6m

Tree type	No. stakes	No. ties
Ex / Hvy Std	2	1

TURFED AREAS

Turf to BS 3969 (1998+A1:2013) 'Recommendations for Turf for general purposes' from an approved source. When topsoil is reasonably dry and workable, grade to smooth, flowing contours removing all minor hollows and ridges. Cultivate soil to full depth and break up any compacted topsoil. Apply approved herbicide to control perennial weeds and allow period of time to elapse as recommended by manufacturer before final cultivation. Apply proprietary fertiliser. Reduce top 25mm topsoil to a fine tilth by further cultivation. Remove stones exceeding 50mm in any dimension. Lay turf with broken joints, well butted up, working from planks laid on previously laid turves, during appropriate season and weather conditions. Adjust levels by raking out or filling with fine soil under turves. Consolidate by lightly and evenly firming with wooden beaters as laying proceeds. Do not use rollers. Dress turf with fine topsoil and brush in to fill joints. Thoroughly water completed turf within 24 hours of laying.

TURFED AREAS: ESTABLISHMENT CUT

Water all grass areas to maintain healthy growth. When grass is 50mm high remove debris, litter and any stones later in dry conditions cut grass to between 25-30mm. Remove and dispose of all arisings.

PROTECTIVE FENCING

The contractor shall maintain fencing until all site works are complete. The contractor will then remove the fencing and reinstate the ground. The fencing will remain the property of the contractor.

Within the area so fenced, the existing ground level shall be neither raised nor lowered, all excavations shall then be carried out by hand.

The Local Planning Authority shall be advised in writing when the protective fencing has been erected so that it can be checked on site before development commences, and shall thereafter be maintained during the period of construction.

MAINTENANCE

Regular visits (minimum 14 No.) required during the defects liability / rectification period to maintain all planted areas in a weed and litter free condition using a combination of chemical spray and hand weeding to be agreed with the Landscape Architect. Maintenance to include watering, pruning, pest and disease control and re-mulching as required. Grass areas to be mowed at 2 week intervals during the growing season.

Structure planting areas shall be maintained as non competitive weed free environment by repeated applications of a glyphosate based herbicide. Persistent weeds and unwanted scrub shall be spot treated as necessary with an alternative herbicide to be agreed with the Landscape Architect.

Watering shall be carried out as necessary to maintain healthy growth or as required by the Landscape Architect.

NB: Final visit to be immediately prior to handing over and to include a fertilizer treatment of Enmag CRF granular fertilizer at 100g / m2 and a 25mm depth bark mulch top up to all planted areas.

BUFFER PLANTING: FEATHERED TREES AND WHIPS

Notch planting will not be permitted. All feathered trees and whips will be planted in prepared pits 600mm diameter x 600mm deep for feathered trees and 300mm diameter x 300mm deep for whips.

Each plant shall be placed upright in the centre of the pit with the roots spread evenly outwards and downwards without restriction, and backfilled with topsoil (to BS 3882: 2015), incorporating TPMC Tree Planting Compost (Amenity Land Solutions) (or equal approved) well mixed with topsoil backfill at a rate of 50:50 in consolidated layers, shaking the trees to remove voids.

Incorporate Enmag CRF granular fertilizer at approx 140g per pit to feathered tree pit backfill and 70g per pit to structural shrub / whip planting backfill.

Supply water at a minimum 4.5 litres / whip and 18 litres / feathered tree prior to bark mulching.

Feathered trees shall be staked using 1.0m long Larch or Chestnut stakes, round, smooth, and peeled with 75mm diameter at the point and not less than 50mm at the butt end, driven at least 600mm into the ground. Trees will be secured to the stake using a single 'Tom Tie' (www.itoms.co.uk) or similar approved securely nailed at a point 50mm from the top of the stake to ensure no rubbing or excessive movement.

The plant shall be well firmed, with the soil level 10mm above nursery level to allow for settlement. Clear away surplus soil and after watering apply a minimum 75mm deep x 300mm diameter collar of 50-75mm grade coarse bark mulch. All tree species to be fitted with propriety rabbit guards such as Tubex Ventex (www.tubex.com) (or equal approved).

SAFETY PRECAUTIONS

The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The landscape sub-contractor shall comply with the requirements of the Health & Safety at Work Act 1974 and current Construction, Design and Management Regulations (2015).

All subject to Local Authority approval.

Do not use fertiliser

Control weeds before sowing. Annual weeds may be hoed, buried or killed with a contract herbicide. Perennial weeds should be eradicated by a translocated glyphosate-based herbicide.

Sow mixtures either from early March to early May, or from early August to mid September, cultivate the ground to provide a fine, weed free seed bed, firm if necessary. Sow evenly at 4gms / m2, thoroughly mix one part seed with four parts dry sand to easily distribute.

Rake seed in lightly with spring-tined rake and firm soil by treading or, preferably, rolling. Water with a fine spray and keep well watered and free from unwanted plants.

Cut the sward every six-eight weeks during the first year after sowing and remove the cuttings, in the following years cut in early spring before growth starts and in October once wild flowers have been shed - remove all cuttings.

BIOSECURITY

RPS GROUP ARE COMMITTED TO THE PROTECTION OF THE UK ENVIRONMENT AND RECOGNISE THE IMPORTANCE OF RISKS POSED BY IMPORTED PESTS AND DISEASES

- All trees and shrubs are to be sourced responsibly, in the first instance, from UK Nurseries / suppliers, where they have been propagated and/or grown on for a minimum of 5 years in the UK (2 years for shrubs).
- In light of this, all suppliers shall be approved, shall share our values and must have a sound Biosecurity Policy / Management Systems in place to demonstrate the traceability of their stock, and an awareness of the prevalence of all current biosecurity threats, both domestically and abroad;
- The contractor is responsible for ensuring that they operate in strict accordance with the latest guidelines set out by DEFRA, including regularly checking for updates in relation to the latest health controls / diseases; i.e. (http://planthealthportal.defra.gov.uk)
- Inspections will be carried out at selected nurseries and plant health certification / passports will be sought to identify traceability of tree and shrub stock as required.

EG21 Fine Lawn Grass Mixture (Sow at 250Kg/hectare or 25g/m2)

Composition:
Emorsgate EG22 is composed of top quality, fine leaved varieties of bent and fescue grasses. The choice of varieties means that this mixture is ideal for producing a first class lawn but also has the qualities required for a low maintenance grass sward.

Grasses (100%)

%	Latin name	Common name
10	*Agrostis capillaris*	Common Bent
50	*Festuca rubra*	Slender creeping Red-fescue
40	*Festuca rubra spp.commutata*	Chewing's Fescue

EM2 Standard General Purpose Meadow Mixture (Sow at 40Kg/hectare or 4g/m2)

Composition:
Emorsgate EM2 (or similar approved) is a meadow mixture that contains species that are characteristic of traditional meadows across a wide range of soil types.

Wild Flowers (15%)

%	Latin name	Common name
0.75	*Achillea millefolium*	Yarrow
2.25	*Centaurea nigra*	Common Knapweed
1.20	*Daucus carota*	Wild Carrot
0.30	*Galium verum*	Lady's Bedstraw
0.60	*Knautia arvensis*	Field Scabious
1.95	*Leucanthemum vulgare*	Oxeye Daisy
0.75	*Malva moschata*	Musk Mallow
2.25	*Plantago lanceolata*	Ribwort Plantain
1.50	*Poterium sanguisorba - (Sanguisorba minor)*	Salad Burnet
0.45	*Primula veris*	Cowslip
1.50	*Ranunculus acris*	Meadow Buttercup
0.75	*Rhinanthis minor*	Yellow Rattle
0.75	*Silene vulgaris*	Bladder Campion

Grasses (85%)

%	Latin name	Common name
8.50	*Agrostis capillaris*	Common Bent
29.75	*Cynosurus cristatus*	Crested Dogstail
25.50	*Festuca rubra*	Slender-creeping Red-fescue
4.25	*Phleum bertolonii*	Smaller Cat's-tail
17.00	*Poa pratensis*	Smooth-stalked Meadow-grass

EL1 Flowering Lawn Mixture (Sow at 40Kg/hectare or 4g/m2)

Composition:
Emorsgate EL1 (or similar approved) contains slow growing grasses with a selection of wild flowers that respond well to regular short mowing.

Wild Flowers (20%)

%	Latin name	Common name
1.0	*Achillea millefolium*	Yarrow
1.0	*Anthyllis vulneraria*	Kidney Vetch
0.4	*Betonica officinalis*	Betony
1.5	*Centurea nigra*	Common Knapweed
0.4	*Galium album*	Hedge Bedstraw
1.5	*Galium verum*	Lady's Bedstraw
0.4	*Knautia arvensis*	Field Scabious
0.5	*Leontodon hispidus*	Rough Hawkbit
1.0	*Leucanthemum vulgare*	Oxeye Daisy
1.0	*Medicago lupulina*	Black Medick
0.4	*Plantago lanceolata*	Ribwort Plantain
2.0	*Plantago media*	Hoary Plantain
2.0	*Primula veris*	Cowslip
0.4	*Prunella vulgaris*	Selfheal
0.4	*Ranunculus acris*	Meadow Buttercup
1.6	*Ranunculus bulbosus*	Bulbous Buttercup
4.0	*Trifolium repens*	White Clover (ag)

Grasses (80%)

%	Latin name	Common name
8.0	*Agrostis capillaris*	Common Bent
28	*Cynosurus cristatus*	Crested Dogstail
24	*Festuca rubra*	Red-fescue
4.0	*Phleum bertolonii*	Smaller Cat's-tail
16	*Poa pratensis*	Smooth-stalked Meadow-grass

Units 15 & 16

Tree Planting

No.	Abb. Text	Species	Form	Age	Girth	Height	Clear Stem	Root
4	Acr cm	Acer campestre	Standard (Extra heavy)	3x	16-18cm	400-450cm	min 200cm	RB
6	Acr cm S	Acer campestre 'Streetwise'	Standard (Extra heavy)	3x	16-18cm	400-450cm	min 200cm	RB
4	Aln gl	Alnus glutinosa	Standard (Extra-heavy)	3x	16-18cm	400-450cm	min 200cm	RB
3	Be pnd	Betula pendula	Standard (Extra heavy)	3x	16-18cm	400-450cm	min 200cm	RB
4	Prns av	Prunus avium						
2	Prns av P	Prunus avium 'Plena'	Standard (Extra Heavy)	3x	16-18cm	400-450cm	min 200cm	RB
3	Pyrs cl C	Pyrus calleryana 'Chanticleer'	Standard (Extra-heavy)		16-18cm	450-500cm	min 200cm	C
7	Tl x er P	Tilia x europaea 'Pallida'	Standard (Heavy)	3x	12-14cm	300-400cm	175-200cm	C
33								

Shrub Planting

Qty	Abb. Text	Species	Container	Root	Height	Habit	Density / m2
319	Acb jp R	Aucuba japonica 'Rozannie'	3L	C	40-60cm		4.00
359	Acb jp S	Aucuba japonica 'Salicifolia'	3L	C	30-40cm	Bushy	4.00
53	Brchyg S	Brachyglottis 'Sunshine'	3L	C	30-40cm	Branched	5.00
141	Crns sn	Cornus sanguinea		B	60-80cm	Branched	4.00
141	Cryls av	Corylus avellana		B	60-80cm	Branched	4.00
103	Eny fr EG	Euonymus fortunei 'Emerald Gaiety'	3L	C	20-30cm(D)	Bushy	5.00
63	Hb rk	Hebe rakaiensis	5-7.5L	C	30-40cm	Bushy	5.00
141	Il aq	Ilex aquifolium	3L	C	60-80cm	Leader & Laterals	4.00
326	Lnc nt M	Lonicera nitida 'Maigreen'	2L	C	30-40cm(D)	Bushy	5.00
78	Lvn an	Lavandula angustifolia	5-7.5L	C	30-40cm	Bushy	5.00
28	Pht x fr RR	Photinia x fraserii 'Red Robin'	10L	C	60-80cm	Branched	3.00
511	Prns lauro OL	Prunus laurocerasus 'Otto Luyken'	2L	C	30-40cm	Bushy	5.00
141	Rs ar	Rosa arvensis		B	60-80cm	Branched	4.00
196	Sk cn KG	Skimmia confusa 'Kew Green'	3L	C	30-40cm	Bushy	3.00
22	Spr jp FL	Spiraea japonica 'Fire Light'	2L	C	30-40cm	Bushy	5.00
141	Vb op	Viburnum opulus		B	60-80cm	Branched	4.00
112	Vb tn EP	Viburnum tinus 'Eve Price'	5-7.5L	C	40-60cm	Bushy	3.00
2875							

Newport Native Hedge Mix

Qty	Abb. Text	Species	Container	Root	Height	Habit	Centres
141	Crns sn	Cornus sanguinea		B	60-80cm	Branched	0.250
235	Crtg mn	Crataegus monogyna		B	60-80cm		0.250
141	Cryls av	Corylus avellana		B	60-80cm	Branched	0.250
141	Il aq	Ilex aquifolium	3L	C	60-80cm	Leader & Laterals	0.250
141	Rs ar	Rosa arvensis		B	60-80cm	Branched	0.250
141	Vb op	Viburnum opulus		B	60-80cm	Branched	0.250
940							

Units 17 & 18

Tree Planting

No.	Abb. Text	Species	Form	Age	Girth	Height	Clear Stem	Root
13	Acr cm S	Acer campestre 'Streetwise'	Standard (Extra heavy)	3x	16-18cm	400-450cm	min 200cm	RB
13	Acr plt CS	Acer platanoides 'Crimson Sentry'	Semi-Mature	4x	20-25cm	500-550cm	min 200cm	RB
5	Crpns bt F	Carpinus betulus 'Fastigiata'	Standard (Extra-heavy)	3x	16-18cm	450-500cm	min 200cm	RB
7	Prns av	Prunus avium						
1	Prns av P	Prunus avium 'Plena'	Standard (Extra Heavy)	3x	16-18cm	400-450cm	min 200cm	RB
9	Pyrs cl C	Pyrus calleryana 'Chanticleer'	Standard (Extra-heavy)		16-18cm	450-500cm	min 200cm	C
19	Tl x er P	Tilia x europaea 'Pallida'	Standard (Heavy)	3x	12-14cm	300-400cm	175-200cm	C
67								

Shrub Planting

Qty	Abb. Text	Species	Container	Root	Height	Habit	Density / m2
975	Acb jp R	Aucuba japonica 'Rozannie'	3L	C	40-60cm		4.00
783	Acb jp S	Aucuba japonica 'Salicifolia'	3L	C	30-40cm	Bushy	4.00
672	Brchyg S	Brachyglottis 'Sunshine'	3L	C	30-40cm	Branched	5.00
491	Crns sn	Cornus sanguinea		B	60-80cm	Branched	4.00
491	Cryls av	Corylus avellana		B	60-80cm	Branched	4.00
1405	Eny fr EG	Euonymus fortunei 'Emerald Gaiety'	3L	C	20-30cm(D)	Bushy	5.00
74	Hb A	Hebe 'Amy'	5-7.5L	C	30-40cm	Bushy	5.00
183	Hb rk	Hebe rakaiensis	5-7.5L	C	30-40cm	Bushy	5.00
3	Hdr hl	Hedera helix	2L	C	50-60cm	Several shoots	
491	Il aq	Ilex aquifolium	3L	C	60-80cm	Leader & Laterals	4.00
649	Lnc nt M	Lonicera nitida 'Maigreen'	2L	C	30-40cm(D)	Bushy	5.00
157	Lvn an	Lavandula angustifolia	5-7.5L	C	30-40cm	Bushy	5.00
54	Pht x fr RR	Photinia x fraserii 'Red Robin'	10L	C	60-80cm	Branched	3.00
1218	Prns lauro OL	Prunus laurocerasus 'Otto Luyken'	2L	C	30-40cm	Bushy	5.00
491	Rs ar	Rosa arvensis		B	60-80cm	Branched	4.00
519	Sk cn KG	Skimmia confusa 'Kew Green'	3L	C	30-40cm	Bushy	3.00
46	Sk jp R	Skimmia japonica 'Rubella'	2L	C	20-25cm	Bushy	4.00
159	Spr jp C	Spiraea japonica 'Candlelight'	2L	C	30-40cm	Bushy	4.00
65	Spr jp FL	Spiraea japonica 'Fire Light'	2L	C	30-40cm	Bushy	5.00
266	Vb dv	Viburnum davidii	3L	C	20-25cm	Bushy	5.00
491	Vb op	Viburnum opulus		B	60-80cm	Branched	4.00
312	Vb tn EP	Viburnum tinus 'Eve Price'	5-7.5L	C	40-60cm	Bushy	3.00
9995							

Newport Native Hedge Mix

Qty	Abb. Text	Species	Container	Root	Height	Habit	Centres
491	Crns sn	Cornus sanguinea		B	60-80cm	Branched	0.250
815	Crtg mn	Crataegus monogyna		B	60-80cm		0.250
491	Cryls av	Corylus avellana		B	60-80cm	Branched	0.250
491	Il aq	Ilex aquifolium	3L	C	60-80cm	Leader & Laterals	0.250
491	Rs ar	Rosa arvensis		B	60-80cm	Branched	0.250
491	Vb op	Viburnum opulus		B	60-80cm	Branched	0.250
3270							

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Notes

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2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
3. This drawing should be read in conjunction with all other relevant drawings and specifications.

Safety, Health & Environment Information

In addition to the hazards / risks normally associated with the types of work detailed on this drawing take note below. It is assumed that all works on this drawing will be carried out by a competent contractor, working, where appropriate, to an appropriate method statement.

Construction risks	Maintenance/Cleaning risks	Demolition/Adaption risks

Rev	Description	By	Ckd	Date
P02	Updates to Units 15 & 16 layout	MM	DB	20.05.25
P01	First Issue	MM	MM	26.02.25

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Client: INDURENT

Project: Indurant Park, Newport Phase 6B

Title: Detailed Soft Landscape Planting Schedule & Specification

Status	Scale	Date Created
Planning	NTS @A3	Feb 2025

Task Team Manager	Information Author	Task Information Manager
DB	MM	DB

Document Number: 5124-RPS-XX-EX-DR-L-9006

Project Code - Originator - Zone - Level - Type - Role - Drawing Number

RPS Project Number	Suitability	Revision
794-PLN-LAN-5124	S3	P02

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