

PLANTING SPECIFICATION

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 LPD 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 6857 (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 6 (p10) 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 8428 (2014) 'Trees from Nurseries to Independence in the Landscape', BS 3098 (2010) 'Part 2 (1980) and Part 4 (2007) and BS 6431 (1988) where applicable', BS 4428 (1988). 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 1987 (revised 2008). Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sites 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: Greenball Urban (www.greenballurban.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 specimens or groups. Larger species to be located towards the rear of planting beds (i.e. where against a screen wall / house frontage). Any planting (ornamental and native) and seeding is protected.

RABBIT PROTECTION

Contractor to assess site for presence of rabbits. If rabbits are present, contractor is to provide rabbit proof fencing to either a) the entire site boundary, or b) the boundary of all planting beds. Contractor to ensure all existing and new vegetation (ornamental and native) and seeding is protected.

TOPSOIL REQUIREMENTS

To BS 3882 (2015) 'Specification for topsoil' as qualified by full contact 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 rolled 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 (incl. rear gardens) - 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 graded 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 Emscor CRF granular fertiliser at approx. 100g per pit to standard tree pit backfill and 70g per pit to structural / ornamental shrub plantings.
3) Mulch - apply 45 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 'wood tree' mulched areas around the base to eliminate the risk of stemmer damage. Ornamental bark to consist of predominantly matured British Pine Bark with an even nominal particle size distribution of 5-20mm with 5% dust & fines & less than 5% wood content. The product shall be peat, disease & weed free & not have been treated with Melly-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 all containerised / 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. Advance nursery stock - double staked with cross bar.

TREE STAKES, TIES & GUARDS

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

Tree type	Min Dia.	Overall Height	Height exposed above ground
Ex / Hwy Std	100mm	1.8m	0.6m
Tree type	No. stakes	No. ties	
Ex / Hwy Std	2	1	

TURFED AREAS

Turf to BS 3669 (1988+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 of topsoil to a fine 18th by further cultivation. Remove stones exceeding 50mm in any dimension. Lay turf with broken joints, well butted up, working from plants 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 airings.

GRASS SEEDING AREAS

Grass seeding generally to BS 4428 (1998) 'Code of practice for general landscape operations'. When topsoil is reasonably dry and workable grade to smooth flowing contours removing all 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 pre-seeding fertilizer. Reduce top 25mm of topsoil to a fine 18th by further cultivation. Remove stones exceeding 50mm in any dimension. Sow approved grass seed mixture in accordance with suppliers' recommendations during appropriate season and weather conditions, e.g. Germal (www.germal.com) Mix A (Quality Lawn) (or equal approved) at 50g/m². Lightly harrow or rake then roll and cross-roll with lightweight roller.

GRASS SEEDING AREAS ESTABLISHMENT CUT

When grass is between 40-75mm high remove stones and debris exceeding 50mm in any dimension and roll with a lightweight roller. About 48 hours later cut grass to approximately 35mm high. Remove and dispose of all airings.

PROTECTIVE FENCING

The contractor shall maintain fencing until all site works are complete. The contractor shall 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 regular 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 Emscor CRF granular fertilizer at 100g / m² and a 25mm depth bark mulch top up to all planted areas.

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.

BULB PLANTING

Spring-flowering bulbs and hardy summer-flowering bulbs to be planted into the lawn during Autumn to ensure that they establish & root rather than dying back in dry / frosty weather. More tender summer-flowering bulbs to be planted in the Spring.

Discard any bulbs that are soft or show signs of rot. Scatter bulbs randomly over the area shown and plant where they fall, ensuring that they are not too close to each other to maximise flowering. Dig planting holes with a trowel / bulb planter, -3x the depth of the bulb (shallow planting can dry out and weaken the bulbs). Break up some of the soil from the plug of turf removed and use to backfill. Replace the turf on top of the hole. Ensure the top of the turf plug is level with the surrounding lawn surface. When planting smaller bulbs, it is acceptable to lift / roll back sections of turf, fork over the soil and add a little balanced fertiliser (e.g. Growmore). Score the underside of the turf with a hand fork before replacing it. Firm the turf by hand or by gently tamping with the back of a rake.

WILDFLOWER MANAGEMENT

Do not use fertiliser

Control weeds before sowing. Annual weeds may be hoed, buried or killed with a contact 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

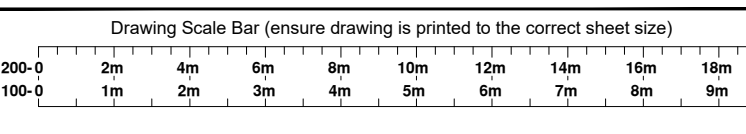
RPS GROUP ARE COMMITTED TO THE PROTECTION OF THE UK ENVIRONMENT AND RECOGNISE THE IMPORTANCE OF RISKS POSED BY IMPORTED PESTS AND DISEASES

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 deciduous). 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.

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Landscape Key:

- Indicative landscaped areas to be removed
- Tree planting
- Feature tree planting
- Specimen shrub planting
- Shrub planting
- Hedge planting
- Grassed areas (close mown)
- Wildflower and grass seed mix EMS Standard General Purpose Meadow Mixture supplied by Emmscor Seeds (or equal approved)
- Seasonal bulb mix planting areas
- Outdoor amenity spaces/meeting rooms
- Raised edible planting beds
- Proposed gravel areas
- Well being recreational area
- Proposed tree root barrier
- Highways visibility spray

Rev	Description	By	Ckd	Date
P01	First issue			26.02.25

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Client: **INDURENT**

Project: **Indurent Park, Newport Units 19-21**

Title: **Detailed Soft Landscape Proposals & Specification Sheet 1 of 3**

Status: **Approval** Scale: **1:200 @ A0** Date Created: **February 2025**

Task Team: **Manager** Information: **Manager** Task Information: **Manager**

Document Number: **5124-RPS-XX-XX-DR-L-9007**

Project Code: **Original - Zone - Level - Type - Role - Drawing Number**

RPS Project Number: **794-PLN-LAN-5124** Suitability: **S3** Revision: **P01**

Project Code: **Original - Zone - Level - Type - Role - Drawing Number**

Project Code: **Original - Zone - Level - Type - Role - Drawing Number**

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