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 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 (1992) 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.

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

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

GRASS SEEDED 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 tilth 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. Germinal (www.germinal.com) Mix A2 (Quality Lawn) (or equal approved) at 50gms/m2. Lightly harrow or rake then roll and cross-roll with lightweight roller.

GRASS SEEDED 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 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 Ennmag 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 quickly re-root rather than drying 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 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.

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Notes

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Drawing Scale Bar (ensure drawing is printed to the correct sheet size)

1:200-0	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m
1:100-0	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m

N

Landscape Key:

- Indicative landscaped areas to be removed
- Tree planting
- Feature tree planting
- Specimen shrub planting
- Shrub planting
- Native Hedge planting
- Maintained Native Hedge (Proposed Timber Post & 3 Rail Fence - Hedge maintained at max 1.2m height)
- Grassed areas (close mown)
- Wildflower and grass seed mix EM2 Standard General Purpose Meadow Mixture supplied by Emorsgate Seeds (or equal approved)
- Seasonal bulb mix planting areas
- Proposed gravel areas
- Seeded crate surface maintenance path
- Proposed tree root barrier
- Highways visibility splay
- Acoustic fence
- Palladin security fence

Rev	Description	By	Ckd	Date
P07	Update layout following need for ditch access	AH	DB	30.10.25
P06	Updated to suit latest layout	MM	DB	26.09.25
P05	Updated to suit highway comments	MM	DB	03.06.25
P04	Updated following comments	MM	DB	20.05.25
P03	Updated to suit latest base	MM	DB	13.05.25
P02	Updated to suit latest base	MM	DB	07.05.25
P01	First issue	AH	DB	26/02.25

rps MAKING COMPLEX EASY
A TETRA TECH COMPANY
4th Floor, 1 Newhall Street
Birmingham, B3 3NH
United Kingdom
T: +44 121 622 8520 E: rpsalw@rpsgroup.com

Client INDURENT

Project Indurent Park, Newport Units 19-21

Title Detailed Soft Landscape Proposals & Specification Sheet 1 of 3

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

Task Team Manager	Information Author	Task Information Manager
DMB	AGH	DMB

Document Number
5124-RPS-XX-XX-DR-L-9007
Project Code - Originator - Zone - Level - Type - Role - Drawing Number

RPS Project Number	Suitability	Revision
794-PLN-LAN-5124	S3	P07

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