

WILDFLOWER MANAGEMENT

Do not use fertiliser

Control weeds before sowing. Annual weeds may be hand, 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 1gms / 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.

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.

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.D. requirements and shall require the prior approval of the Landscape Architect.

Avoid damage to lawns, roots 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', and should be fully retained prior to the commencement of any works, in accordance with Figure 2 (20) at the full extent of the root protection area, as determined by section 4.8 (p15-17) and Annex 2 (p40).

No storage of materials, disposal of rubbish, site fees, collages 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 5404:2014 'Trees and shrubs from Nursery to Independent in the Landscape', BS 3093: Part 1 (1982), Part 2 (1986) and Part 4 (2007) and BS 4243:1989 where applicable, BS 4428:1988). All plants to be supplied in accordance with the plant schedule and with regard to import risk and suitable disease within the Plant Health Act 1987 (revised 2009). Any plant material planted outside the recognised planting season (Nov-Feb), to be contained stock and supplied at the price 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 (supplied: Greenleaf Urban (new green infrastructure), 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 wall / house / hedge), or towards the centre of an island planting bed. Thorny species to be located centrally within the planting bed.

TOPSOIL REQUIREMENTS

To BS 3842 (2015) Specification for topsoil as qualified by full contract specification. All areas shall be cultivated to a minimum depth of 100mm. 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 wetland / meadow planting), to manufacturers' recommendations where appropriate.

Shrub / structure planting beds - 450mm depth
Heavy standard tree pits - 1000mm dia. x 450mm depth
(Note: 450mm depth subject 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 Etnag CRF granular fertilizer at approx 140g per pit to standard tree pits and 70g per pit to shrub / structure planting.
3) Watering - supply minimum 54 litres / tree and 4.5 litres / shrub at planting.
4) Mulch - apply 100mm layer of mulch over planted areas below a 50mm depth 50-100mm grade bark mulch. Note: all trees are to have minimum 300mm dia weed free 4" mulch area around the base to eliminate the risk of stemmer damage. Ornamental Bark to consist of predominantly natural British Pine Bark with an even neutral particle size distribution of 5-10mm with 2% dust & fines & less than 5% wood content. The product shall be peat-free, 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 4700:1997, for the 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 container and evergreen etc.
(1) prior to transportation and (2) during any delay in planting.

Pruning - Allow for pruning of all deciduous trees and shrubs by 13th following planting. 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 central stemmer guards. Stakes to be pressure impregnated softwood, round, peeled, straight, free of splinters and painted in olive green. Minimum length and thickness to be determined as follows:
Tree type: Min. dia. Overall Height Height exposed above ground
Ex / Hyr Std 1 100mm 1.2m 0.6m
Tree type: No. stakes No. ties
Ex / Hyr Std 2 1 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, finish 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 release as recommended by manufacturer before final 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 the soil under turves. Consolidate by lightly and evenly firming with wooden beaters in laying process. Do not over-ride. Trees planted in topsoil and brush in 48 pits. 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 cuttings.

GRASS SEEDING AREAS

Grass seeding generally to BS 4428 (1986) 'Code of practice for general landscape operations'. When topsoil is reasonably dry and workable grade to smooth, finish 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 release as recommended by manufacturer before final cultivation. Apply proprietary pre-seeding fertilizer. Reduce top 20mm of topsoil to a fine tilth by further cultivation. Remove stones exceeding 50mm in any dimension. Sow approved grass seed mixture in accordance with supplier's recommendations during appropriate season and weather conditions, e.g. Centennial (www.gemmet.com) Mix A2 (Quality Lawn) or equal approved at 50gms/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 30mm high. Remove and dispose of all cuttings.

PROTECTIVE FENCING

The contractor shall maintain fencing until all site works are complete. The contractor will then remove the fencing and reinstable the ground. The fencing will remain the property of the contractor.
Within the area to be 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

Replace plants (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-planting as required. Grass areas to be mowed at 2 week intervals during the growing season.

Shrub planting areas shall be maintained on a non competitive weed free environment by repeated applications of a glyphosate based herbicide. Perennial 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 as required by the Landscape Architect.
NB: Final water to be immediately prior to handing over and to include a fertiliser treatment of Etnag CRF granular fertilizer at 100g / m2 and a 25mm depth bark mulch top to all planted areas.

BUFFER PLANTING: FEATHERED TREES AND WHIPS

Whip planting will not be permitted. All feathered trees and whips will be planted in prepared pits 500mm diameter x 400mm 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 (cardinals) and downwards without restriction, and backfilled with topsoil (to BS 3842: 2015), incorporating 100g/m2 Tree Planting Compost (Arboretum Ltd Solutions) (or equal approved) well mixed with topsoil at least at a rate of 50:50 in consolidated layers, shaking the turves to remove voids.

Incorporate Etnag CRF granular fertilizer at approx 140g per pit for feathered tree pit backfill and 70g per pit to structural / shrub planting.
Supply water at a minimum 4.5 litres / whip and 18 litres / feathered tree pit 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 butt 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 'Tee' wire (pins could be similar approved) secured 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 50mm deep x 300mm diameter collar of 50-70mm grade coarse bark mulch. All tree species to be fixed with proprietary retail guards such as Tube Veneer (www.tubevener.com) (or equal approved).

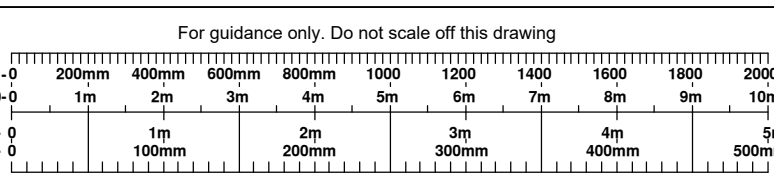
SAFETY PRECAUTIONS

The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The 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.

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- Notes
1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
 2. If received electronically it is the recipient's 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, please 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/Clearing risks	Demolition/Adaption risks

Landscape Key

- Existing trees to be retained
- Proposed tree planting
- Proposed shrub planting
- Proposed hedge planting
- Amenity grassed areas
- Gravel Areas (Allow 75mm depth as grass spec)
- Landscape structural buffer mix planting
- Wildflower seed mix
- Wetland / pond edge seed mix



STRATEGIC PLANTING SCHEDULE:

Principal Route Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 101	Platanus	100mm	10	100mm	100mm	100mm
2	NA 102	Platanus	100mm	10	100mm	100mm	100mm
3	NA 103	Platanus	100mm	10	100mm	100mm	100mm

Focal Route Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 104	Platanus	100mm	10	100mm	100mm	100mm
2	NA 105	Platanus	100mm	10	100mm	100mm	100mm
3	NA 106	Platanus	100mm	10	100mm	100mm	100mm

Secondary Route Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 107	Platanus	100mm	10	100mm	100mm	100mm
2	NA 108	Platanus	100mm	10	100mm	100mm	100mm
3	NA 109	Platanus	100mm	10	100mm	100mm	100mm

Tertiary Route Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 110	Platanus	100mm	10	100mm	100mm	100mm
2	NA 111	Platanus	100mm	10	100mm	100mm	100mm
3	NA 112	Platanus	100mm	10	100mm	100mm	100mm

Private Drive Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 113	Platanus	100mm	10	100mm	100mm	100mm
2	NA 114	Platanus	100mm	10	100mm	100mm	100mm
3	NA 115	Platanus	100mm	10	100mm	100mm	100mm

POS Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 116	Platanus	100mm	10	100mm	100mm	100mm
2	NA 117	Platanus	100mm	10	100mm	100mm	100mm
3	NA 118	Platanus	100mm	10	100mm	100mm	100mm

Private Drive Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 119	Platanus	100mm	10	100mm	100mm	100mm
2	NA 120	Platanus	100mm	10	100mm	100mm	100mm
3	NA 121	Platanus	100mm	10	100mm	100mm	100mm

POS Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 122	Platanus	100mm	10	100mm	100mm	100mm
2	NA 123	Platanus	100mm	10	100mm	100mm	100mm
3	NA 124	Platanus	100mm	10	100mm	100mm	100mm

Private Drive Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 125	Platanus	100mm	10	100mm	100mm	100mm
2	NA 126	Platanus	100mm	10	100mm	100mm	100mm
3	NA 127	Platanus	100mm	10	100mm	100mm	100mm

POS Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 128	Platanus	100mm	10	100mm	100mm	100mm
2	NA 129	Platanus	100mm	10	100mm	100mm	100mm
3	NA 130	Platanus	100mm	10	100mm	100mm	100mm

Private Drive Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 131	Platanus	100mm	10	100mm	100mm	100mm
2	NA 132	Platanus	100mm	10	100mm	100mm	100mm
3	NA 133	Platanus	100mm	10	100mm	100mm	100mm

POS Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 134	Platanus	100mm	10	100mm	100mm	100mm
2	NA 135	Platanus	100mm	10	100mm	100mm	100mm
3	NA 136	Platanus	100mm	10	100mm	100mm	100mm

Private Drive Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 137	Platanus	100mm	10	100mm	100mm	100mm
2	NA 138	Platanus	100mm	10	100mm	100mm	100mm
3	NA 139	Platanus	100mm	10	100mm	100mm	100mm

POS Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 140	Platanus	100mm	10	100mm	100mm	100mm
2	NA 141	Platanus	100mm	10	100mm	100mm	100mm
3	NA 142	Platanus	100mm	10	100mm	100mm	100mm

Private Drive Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 143	Platanus	100mm	10	100mm	100mm	100mm
2	NA 144	Platanus	100mm	10	100mm	100mm	100mm
3	NA 145	Platanus	100mm	10	100mm	100mm	100mm

POS Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 146	Platanus	100mm	10	100mm	100mm	100mm
2	NA 147	Platanus	100mm	10	100mm	100mm	100mm
3	NA 148	Platanus	100mm	10	100mm	100mm	100mm

Private Drive Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 149	Platanus	100mm	10	100mm	100mm	100mm
2	NA 150	Platanus	100mm	10	100mm	100mm	100mm
3	NA 151	Platanus	100mm	10	100mm	100mm	100mm

POS Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 152	Platanus	100mm	10	100mm	100mm	100mm
2	NA 153	Platanus	100mm	10	100mm	100mm	100mm
3	NA 154	Platanus	100mm	10	100mm	100mm	100mm

Private Drive Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 155	Platanus	100mm	10	100mm	100mm	100mm
2	NA 156	Platanus	100mm	10	100mm	100mm	100mm
3	NA 157	Platanus	100mm	10	100mm	100mm	100mm

POS Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 158	Platanus	100mm	10	100mm	100mm	100mm
2	NA 159	Platanus	100mm	10	100mm	100mm	100mm
3	NA 160	Platanus	100mm	10	100mm	100mm	100mm

Private Drive Tree Planting

No.	Area	Species	Size	Age	Depth	Height	Notes
1	NA 161	Platanus	100mm	10	100mm	100mm	100mm
2	NA 162	Platanus	100mm	10	100mm	100mm	100mm
3							