

PLANT SCHEDULE

Proposed Tree Planting

Tree Planting								
No.	Abb. Text	Species	Form	Age	Girth	Height	Clear Stem	Root
6	Acr cm WC	Acer campestre 'William Caldwell'	Standard (Heavy)	3x	12-14cm	400-450cm	min 200cm	RB
3	Be prd FO	Betula pendula 'Fastigiata Obelisk'	Standard (Heavy)	3x	12-14cm	400-450cm	min 200cm	B
9								

Proposed Shrub Planting

Ornamental Mix								
Qty	Abb. Text	Species	Container	Root	Height	Habit	Ctrs	%age Mix
370	Chay AP	Choisya 'Aztec Pearl'	3L	C	40-60cm	Bushy	0.570	15.00 %
370	Cnth th R	Ceanothus thyrsiflorus 'Repens'	3L	C	40-60cm	Bushy	0.570	15.00 %
370	Cms an MWF	Cornus sanguinea 'Mid-Winter Fire'	3L	C	40-60cm	Bushy	0.570	15.00 %
320	Csts AP	Cistus 'Anne Palmer'	3L	C	40-60cm	Bushy	0.500	10.00 %
246	Ptt tn AG	Pittosporum tenuifolium 'Arundel Green'	3L	C	40-60cm	Bushy	0.570	10.00 %
396	Slv nm Os	Salvia nemorosa 'Ostfriesland'	3L	C			0.450	10.00 %
320	Slp tn	Stipa tenuissima	3L	C			0.500	10.00 %
370	Vb dv	Viburnum davidii	3L	C	40-60cm	Bushy	0.570	15.00 %
2762								

Proposed Groundcover Planting

Groundcover Mix A								
Qty	Abb. Text	Species	Container	Root	Height	Habit	Ctrs	%age Mix
17	Fs ov G	Festuca ovina 'Glaucia'	1-2L	C			0.447	20.00 %
43	Jnp sq BC	Juniperus squamata 'Blue Carpet'	2L	C	20-30cm(D)	Bushy	0.447	50.00 %
26	Stch by SC	Stachys byzantina 'Silver Carpet'	1-2L	C			0.447	30.00 %
86								

Groundcover Mix B								
Qty	Abb. Text	Species	Container	Root	Height	Habit	Ctrs	%age Mix
8	Brb bx N	Berberis buxifolia 'Nana'	2L	C	15-20cm		0.447	30.00 %
5	Gm mcr A	Geranium macrorrhizum 'Album'	1-2L	C			0.447	20.00 %
14	Lnc nt M	Lonicera nitida 'Maignun'	2L	C	30-40cm		0.447	50.00 %
27								

Groundcover Mix C								
Qty	Abb. Text	Species	Container	Root	Height	Habit	Ctrs	%age Mix
12	Dryp fl	Dryopteris filix-mas	1-2L	C			0.447	25.00 %
12	Gm mcr A	Geranium macrorrhizum 'Album'	1-2L	C			0.447	25.00 %
12	Prsc affris S	Persicaria affinis 'Superba'	1-2L	C			0.447	25.00 %
12	Vnc mn A	Vinca minor 'Atropurpurea'	1-2L	C			0.447	25.00 %
48								

Shrub Planting								
Qty	Abb. Text	Species	Container	Root	Height	Habit	Density / m2	
30	Chay AP	Choisya 'Aztec Pearl'	3L	C	30-40cm	Bushy	3.00	
39	Cnth th R	Ceanothus thyrsiflorus 'Repens'	3L	C	30-40cm	Bushy	4.00	
23	Cms an MWF	Cornus sanguinea 'Mid-Winter Fire'	3L	C	125-150cm		3.00	
13	Vb dv	Viburnum davidii	3L	C	25-30cm	Bushy	3.00	
105								

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.

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 3998, Part 1 (1990), Part 2 (1990) 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 5 No. (min.) to 9 No. (max.) single species groups. Larger species to be located towards the rear of planting beds (i.e. where against a screen wall), 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, 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)
- 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 field 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. 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	

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 A19 (All purpose Landscaping) (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.

- © 2021 RPS Group
- 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 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.

To be read in conjunction with the following RPS documents:

JSL4363-RPS-XX-EX-DR-L-9002 : Detailed Soft Landscape Proposals
JSL4363-RPS-XX-EX-DR-L-9003 : Planting Schedule and Specification
JSL4363-RPS-XX-EX-RP-L-9004 : Landscape Management Plan

P03	Updated to latest layout	NG	JT	18.03.22
P02	Updated to latest layout	NG	JT	15.03.22
P01	First Issue	NG	JT	25.02.22
Rev	Description	By	Ckd	Date



MAKING
COMPLEX
EASY

321 Bradford Street,
Birmingham, B5 6ET
T: 0121 6228520 E: rpswlv@rpsgroup.com

Client

Threadneedle Curtis Ltd.

Project

MAG, Building 402
Manchester Airport

Title

Plant Schedule + Specification

Status

Approval

Scale

NTS @A1

Date Created

Feb 2022

Task Team Manager

JT

Information Author

NG

Task Information Manager

JT

Document Number

JSL4363-RPS-XX-EX-DR-L-9003

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

JSL4363

RPS Project Number

JSL4363

Suitability

S3

Revision

P03

rpsgroup.com