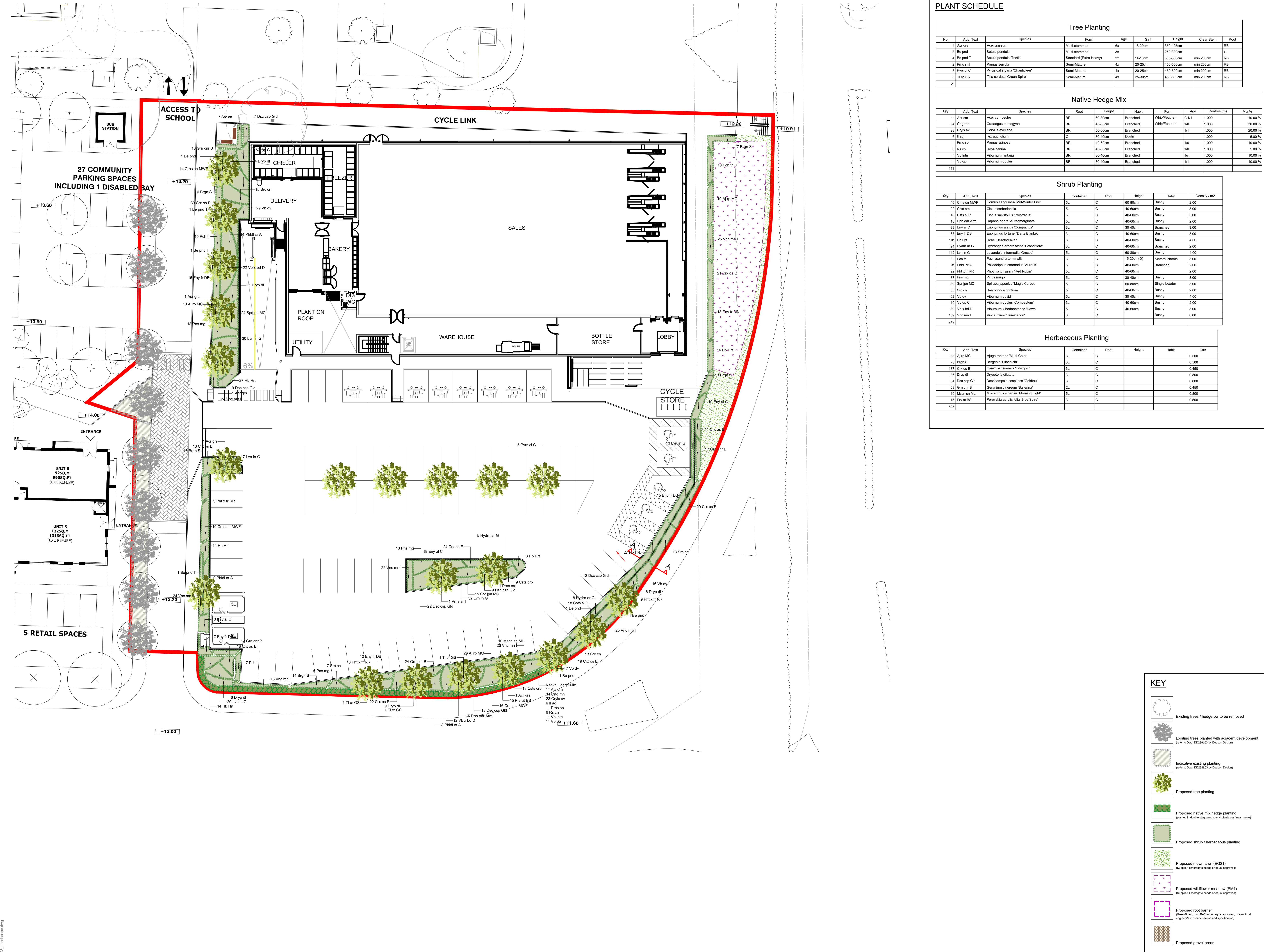




PLANTING SPECIFICATION

EXISTING TREES AND SHRUBS

Where existing trees & shrubs are to be retained they should be subject to a full arboricultural inspection for safety. Any survey required shall be in accordance with BS 3998 (2010) 'Tree Work - Recommendation', shall comply with any existing T.P.D. 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 8 (p19-21) and Annex D (p40).

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

New shrub planting pits below existing trees to be hand dug to avoid conflict with tree roots. Avoid increasing ground levels below existing trees. Free-draining, neutral acidity topsoil (e.g. with a high sand content), should be employed to achieve the minimum 400mm depth growing medium.

PLANTING

All plants and planting to comply with the requirements of all current / relevant British Standard specifications including BS 5545 (2014) 'Trees from Nurseries to Independence in the Landscape', BS 3998: Part 1 (1992), Part 2 (1995) and Part 4 (2007) and BS 4343 (1989) where applicable, BS 4328 (1989). All plants to be supplied in accordance with the plant schedule and with regard to imported stock and suitable disease within the Plant Health Act 1967 (revised 2005). Any plant material planted outside the recognised planting season (Nov-Feb), to be contained within a protected area at the size 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 elsewhere). Urban Ltd or equal approval, 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.

NOTE: BELOW GROUND PREPARATION OF ALL TREE PITS IS TO BE AGREED WITH LOCAL AUTHORITY TREE OFFICER PRIOR TO INSTALLATION. WHERE TREES ARE PLANTED WITHIN OR DIRECTLY ADJACENT HARD PAVED AREAS, SUFFICIENT ROOTING VOLUME MUST BE PROVIDED INCLUDING (IF REED) THE USE OF A MODULAR CELL STRUCTURE SUCH AS SILVACELL (OR EQUAL APPROVED).

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

Shrub / structure planting beds - 450mm depth

Heavy standard tree pits - 1500mm dia. x 450mm depth

(Note: 450mm depth shall be provided below - refer to tree pit details)

Grass areas - 100mm depth

Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 100mm wider than rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened.

TOPSOIL IMPROVEMENTS

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

- Incorporate 75mm depth of soil conditioner into topsoil during cultivation;
- Incorporate Emag CFF granular fertilizer at approx 140g per pit to standard tree pit backfill and 70g per pit to structural / ornamental shrub planting;
- Watering - supply minimum 54 litres / tree + 4.5 litres/shrub at planting;
- Mulch - After weeding and watering, lightly rake over planted areas before applying a min. 70mm depth 50-100mm grade bark mulch. Ornamental Bark to consist of predominantly natural British Pine Bark with an even natural 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 4786:1987, for fire resistance;
- Geotextile membrane to be installed between topsoil and bark mulch with min. 200mm overlap and holes cut for planting. Sufficient gaps to be installed to prevent membrane from lifting. Main Contractor to ensure back mulch is retained in place on sloping ground.

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 and desiccant to be applied to foliage of all containerised / rootballed material in leaf, specimen conifers and evergreens (1) prior to transportation and (2) during any winter planting.

Pruning: Allow for pruning of all deciduous trees and shrubs by 13rd following planting at Landscape Architects direction or as indicated in the planting schedule.

Tree Stakes: 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.

TURFED AREAS

Turf to BS 3889 (1998+A1:2013) 'Recommendations for Turf for general purposes' from an approved source. When topsoil is reasonably dry and workable, grade to smooth, leaving 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 fertilizer. Reduce top 25mm topsoil to a fine tith 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 or laying boards. Do not use rollers. Dress turf with fine topsoil and brush to in 18 pits. Thoroughly water completed turf within 24 hours of laying.

TURFED AREAS: ESTABLISHMENT CURT

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

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 leaving 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 tith 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. Germain (www.germain.co.uk) Mix A2 (Quality Lawn) (or equal approved) at 50g/m². Lightly harrow or rake then roll and cross-roll with lightweight roller.

GRASS SEEDING AREAS: ESTABLISHMENT CURT

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 completed. The contractor will then remove the fencing and reinstatement 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 20 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. Any plant found to be dead, dying or otherwise defective shall be replaced during the next planting season. Maintenance to include watering, pruning, pest and disease control and re-mulching as required. Watering shall be carried out as necessary to maintain healthy growth, and where possible should adhere to Annex G of BS 5545:2014. Final visit to be immediately prior to handing over and to include a fertilizer treatment of Emag CFF granular fertilizer (6:20:10) at 100g/m² and 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 person. The landscape sub-contractor shall comply with the requirements of the Health & Safety at Work Act 1974 and current Construction, Design and Management Regulations (CDM).

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 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 domestic 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://www.defra.gov.uk/pests/).
- Inspections will be carried out at selected nurseries and plant health certification / passports will be sought to identify biosecurity of tree and shrub stock as required.

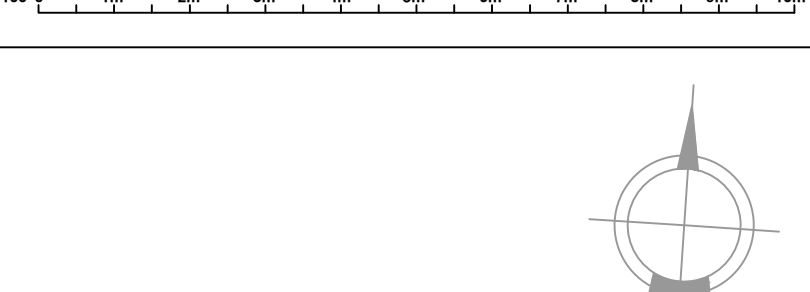
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Notes

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

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

0	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m
0	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m



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PROTECTIVE FENCING

The contractor