

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 3999 (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 3836: Part 1 (1992), 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 1987 (revised 2005). Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the times 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.

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) - 100mm 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.

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. Advanced nursery stock - double staked with cross bar.

TREE STAKES, TIES & GUARDS

Trees planted within grassed areas to be provided with appropriate conical trimmer 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

TURF 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

All rear gardens to be grass seeded.

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. Geminal (www.geminal.com) Mix A2 (Quality Lawn) (or equal approved) at 50gsm/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

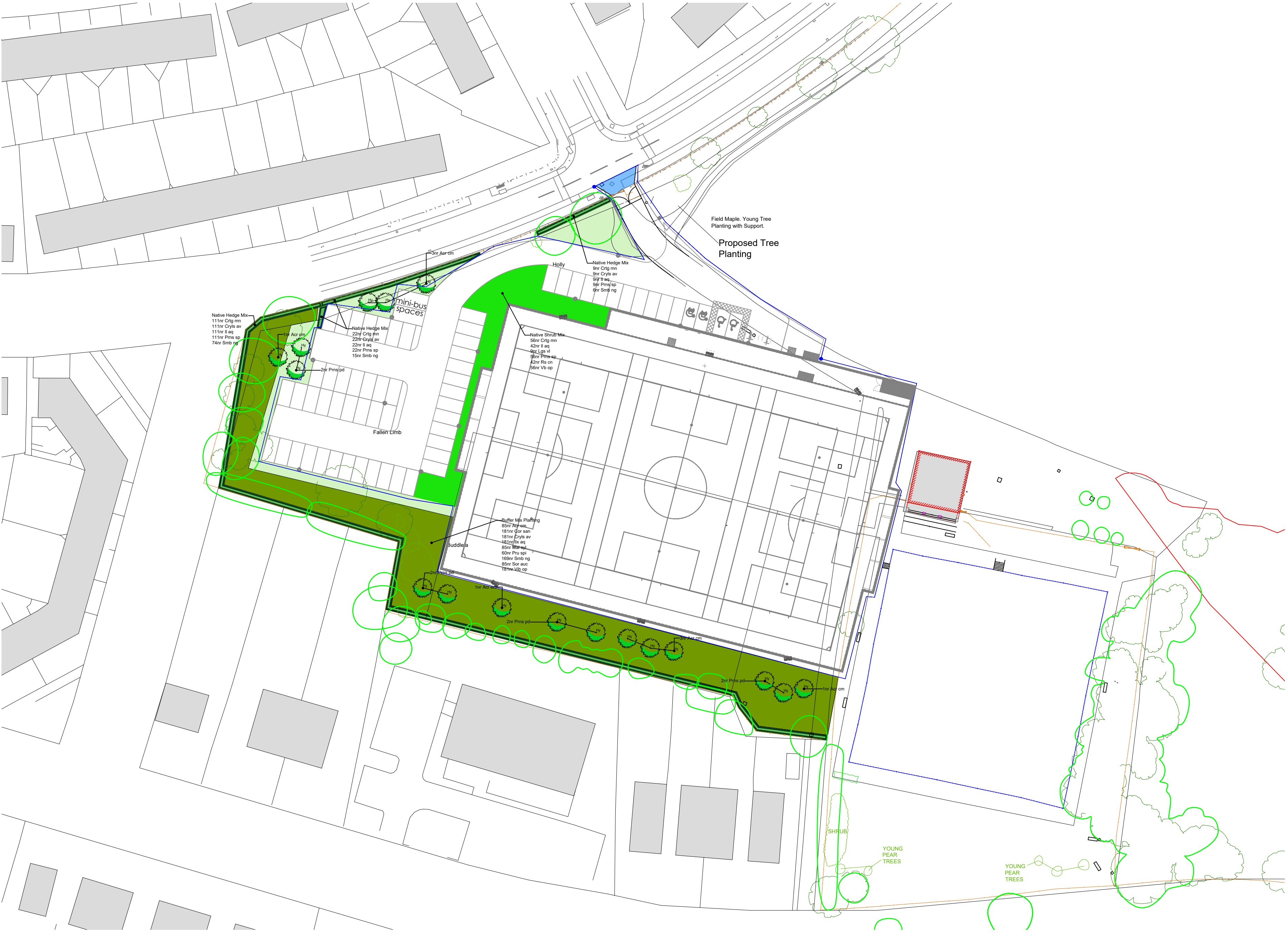
Regular visits (minimum 14 No.) required during the defects liability / rectification period to maintain all planted areas in a weed and litter free condition using a combination of chemical spray and hand weeding to be agreed with the Landscape Architect. Maintenance to include watering, pruning, pest 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 Enmag CRF granular fertilizer at 100g / m2 to all planted areas.

Abbr	Botanical name	Common name	Girth / size	Girth / size	%Density
			Root stock		
Trees					
Acr plt	Acer platanoides	Norway maple	16-18cm	C / SR / RB	9
Pysrs cl C	Pyrus calleryana 'Chanticleer'	Callery pear var.	16-18cm	C / SR / RB	8
Buffer Mix Planting					
Acr cm	Acer campestre	Field maple	60-70cm	C	10
Cor san	Cornus sanguinea	Common Dogwood	60-70cm	C	15
Cryls av	Corylus avellana	Hazel, Cobnut	60-70cm	C	15
Ilx aq	Ilex aquifolium	Holly	60-70cm	C	10
Mal syl	Malus sylvestris	Crab apple	60-70cm	C	10
Pru spi	Prunus spinosa	Blackthorn	60-70cm	C	10
Smb ng	Sambucus nigra	Common elder	60-70cm	C	10
Sor auc	Sorbus aucuparia	Cardinal Royal	60-70cm	C	10
Vib op	Viburnum opulus	Guelder rose	60-70cm	C	10
					100
Native Hedge Mix					
Cryls av	Corylus avellana	Hazel, Cobnut	60-80cm	C	20
Il aq	Ilex aquifolium	Holly	60-80cm	C	20
Pms sp	Prunus spinosa	Blackthorn	60-80cm	C	20
Smb ng	Sambucus nigra	Common elder	60-80cm	C	20
Crtg mn	Crataegus monogyna	Common hawthorn	40-60cm	C	20
					100
Native Shrub Mix					
Crtg mn	Crataegus monogyna	Common hawthorn	40-60cm	C	20
Il aq	Ilex aquifolium	Holly	60-80cm	C	15
Lgs vl	Ligustrum vulgare	Common privet	60-80cm	C	10
Pms sp	Prunus spinosa	Blackthorn	60-80cm	C	20
Rs cn	Rosa canina	Dog rose	60-80cm	B	15
Vb op	Viburnum opulus	Guelder rose	60-80cm	B	20
					100



A) TREE PIT DETAIL
20-25cm GIRTH & 2.5-3m HIGH MULTI STEM

B) TREE PIT DETAIL
14-18cm GIRTH

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Notes

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KEY

SOFT LANDSCAPE

Proposed elements

Site Boundary

SEMI-MATURE TREE
(20-25 girth)

HEAVY STANDARD TREE
(14-18cm girth)

ORNAMENTAL AMENITY SHRUB
PLANTING

BUFFER MIX PLANTING

NATIVE MIX SPECIES HEDGE

MOWN AMENITY GRASS

EXISTING FEATURES

TREES
To be retained and protected

0m1020304050m

SCALE 1:500

Rev	Description	By	CB	Date

MAKING
COMPLEX
EASY

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Client

Surfacing Standards Ltd

Project

Knowsley MBC - Jubilee Park

Title

Soft Landscape Strategy

Status

Planning

Drawn By

PL

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DC

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