

Key

- Proposed Tree Planting
- Proposed Shrub Planting
- Proposed Specimen Shrub Planting
- Proposed Grassed areas
- Existing Vegetation

Summary Landscape Specification

EXISTING TREES AND SHRUBS

Where existing trees and shrubs are to be retained it is recommended that they should be subject to a full arboricultural condition survey and 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. / Conservation Area requirements and shall require approval of the Landscape Architect and as appropriate the relevant Local Planning Authority prior to undertaken any works.

Avoid damage to branches, trunks and roots of trees. All existing trees and 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 Figures 2 & 3 (p.20-21) at the full extent of the root protection area, as determined by Section 4.6 (P.10-11) and Annex D (P. 40).

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 or fenced root protection areas including boundary vegetation.

PLANTING

All plants and planting shall comply with the requirements of all current/relevant British Standard specifications including BS 3936: Part 1 (1992), Part 2 (1990), Part 4 (2007), Part 7 (1989), Part 9 (1998), Part 10 (1990), BS 4043 (1989) where applicable and BS4428 (1989). All plants to be supplied in accordance with the plant schedule. Any plant material planted outside the recognised planting season (Nov-Feb) is to be containerised stock and supplied at the sizes specified.

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 utility services. Where necessary, root barriers are to be installed (supplier Greenleaf or similar approved), in accordance with Structural Engineers and manufacturers recommendations. Allow for the use of container stock during the period 1 April to 31 October, and field grown stock from 1 November to 31 March.

TOPSOIL REQUIREMENTS

To BS 3882 (2015) and as qualified by any site specific project contract specification. All areas shall be cultivated to a minimum depth of 150mm. All weed, rubbish and stones over 50mm gauge shall be removed. Earth to be rolled as required and raked in two directions as directed by further sections in this specification..

Shrub beds	- 450mm
Select/Heavy Standard trees tree pits	- 1200 x 750mm depth
Grass Area	- 150mm

Where necessary excavate any compacted ground or areas of hardstanding that may conflict with the proposed planting to a minimum depth of 450mm, break up base to a depth of 150mm and backfill with topsoil. Increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than the rootball. Break up bottom of pits to a depth of 150mm and dome to the centre of the pit. Compacted glazed sides of pits should be roughened to allow root penetration.

Full analysis of both existing and imported topsoil is recommended prior to use to identify nutrient deficiencies and content that may be detrimental to and inhibit establishment and growth.

TOPSOIL REQUIREMENTS

Applied to all newly planted areas, to manufacturers recommendations where appropriate:

1) Incorporate 75mm depth of soil conditioner into topsoil during cultivation to ornamental shrub bed areas;
2) Incorporate Alginure Soil Improver or similar approved. 1.5kg/m3 to tree pit backfill and 75g/m2 to ornamental shrub areas;
3) Incorporate Enmag CRF 11-21-9 granular fertilizer or similar approved 5-60gms/pit backfill and 25-125gms to structure/ornamental beds;
4) Watering - as appropriate supply minimum 54 litres/tree and 4.5 litres/shrub at planting;
5) Mulch - lightly fork over planted areas before applying a 75mm depth of 50-100mm grade bark mulch. Ornamental bark to consist of predominantly matured British Pine bark with a nominal particle size distribution of 5-35mm with 0% dust and fines and less than 5% wood content. The product shall be pest, disease and weed free and not have been treated with 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 the 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 the nursery and (2) prior to planting.

Anti-Desiccant - At the discretion of the supplier/nursery 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 all deciduous trees and shrubs by 1/3rd following planting at Landscape Architects direction or as instructed in the planting schedule.

Tree Stakes - Stakes to be vacuum pressure treated round, smooth and peeled Larch or Chestnut in accordance with the following requirements. Heavy Standard stock to be double staked with cross bar.

TREE STAKES TIES & GUARDS

Trees planted within grassed areas to be planted with appropriate non plastic conical strimmer guards. Stakes to be vacuum/pressure treated with TANALITH preservative to comply with the Treatment Code (TE/GF6), softwood, round, peeled, straight, free of projections and pointed at one end. Minimum length, number and thickness for bare root stock to be determined as follows:

Tree Type	Min dia	Overall Hght	Hght above grd	No. stakes	No. ties
Sel Std	75mm	1.65m	0.6	1	1
Hvy Std	100mm	1.8m	0.6	2	1

TURFED AREAS

Turf to BS 3969:1998 + A1: 2013 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 a 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 the manufacturer before cultivation. Apply proprietary fertilizer. 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 the 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.

When grass is between 40 and 75mm high remove debris, litter and all stones and clay balls larger than 40mm in any dimension and roll with a light roller. About 48 hours later cut to approximately 35mm high. Remove arisings.

GRASS SEED AREAS

Break up any compacted topsoil to a full depth. Reduce top 100mm of all topsoil to a tilth suitable for blade grading (10mm down particles). Remove undesirable material brought to the surface including stones and clay balls, roots, grass tussocks and foreign matter. When topsoil is reasonably dry and workable grade to smooth, flowing contours with falls for adequate drainage, removing all minor hollows and ridges. Unless otherwise stated finished levels after settlement are to be 25mm above adjoining paving, kerbs and drainage covers. Three to five days before seeding and before final cultivation apply a proprietary pre-seeding fertilizer at 50g/m2. Once complete carry out final cultivation to reduce top 25mm to a fine tilth. Rake to a true, even, lightly firmed surface removing all stones and clay balls more than 50mm in any dimension.

Sow seed during the period August to mid October. And spread evenly at the recommended rates applied in two equal sowings in transverse directions. Lightly harrow or rake. Where soil has not been allowed to lie fallow apply a suitable pre-emergent herbicide immediately after sowing.

When grass is between 40 and 75mm high remove debris, litter and all stones and clay balls larger than 40mm in any dimension and roll with a light roller. About 48 hours later cut to approximately 35mm high. Remove and dispose of all arisings.

PROTECTIVE FENCING

The contractor shall maintain fencing until all the site works are completed. 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 will then be maintained during the period of construction.

MAINTENANCE

Regular visits (minimum 28No.) during the 12 months maintenance/defects 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 10 day intervals during the growing season. Cut grass areas to ensure the height of growth does not exceed 75mm at any time. Cut as and when necessary to a height of 35mm and remove all arisings. Before each cut remove all litter and debris. At the time of each cut trim all grass edges and remove arisings. Keep the sward free of broadleaved weeds by applying a suitable selective herbicide. Ensure sufficient water is provided to maintain healthy growth unless water restrictions are in place. Final visit to be immediately prior to hand over and to include a fertilizer treatment of Enmag (CRF 11-21-9) at 100g/m2 and 25mm depth bark mulch top up to all planted areas.

All trees, shrubs and bushes shall be maintained by the owner or owners of the land on which they are situated for the period of five years beginning with the date of completion of the scheme and during that period all losses shall be made good as and when necessary.

SAFETY PRECAUTIONS

The landscape contractor is to take all safety precautions to prevent any injury to any persons. They shall comply with the requirements of the current Health and Safety at Work Act and current Construction, Design and Management Regulations.

The landscape contractor shall notify the Landscape Architect immediately of any pernicious/notifiable weeds identified on the site and shall take all reasonable precautions to prevent the spread of such weeds.

Detailed Planting Schedule

Trees

Plan ref	Species	Girth (cm)	Height (cm)	Root Zone	Specification	Quantity
BpD	Betula pendula Dalecarlica	10-12cm	300-350	CG 75 Litres	Select Standard	6
CbFF	Carpinus betlus Frans Fontaine	12-14cm	350-425	3 X RB	Heavy Standard	5

All select Standard trees and above to be Clear Stemmed to 1.8m

Tree locations subject to detailed drainage and utility layout (refer to Summary Specification)

Ornamental Shrub Planting

Plan ref	Species	Form	Height (cm)	Root Zone	Specification	Spacing	Quantity
Al	Amelanchier lamarckii	Branched 3 Brks	40-50	2L Pot	C	2/m2	50
CaE	Cornus alba Elegantissima	Branched 4 Brks	40-60	3L Pot	C	2/m2	76
CsF	Cornus stolonifera Flaviramea	Branched 4 Brks	60-80	3L Pot	C	2/m2	64
Cm	Cotoneaster microphyllus	Bushy 3 Brks	30-40	3L Pot	C	5/m2	40
Pl	Prunus laurocerasus	Bushy 3 Brks	40-50	3L Pot	C	2/m2	28

Specimen Shrub Planting

Plan ref	Species	Form	Height (cm)	Root Zone	Specification	Spacing	Quantity
Mj (S)	Mahonia japonica	Bushy 3 Brks	60-80	10-12L Pot	C	As shown	2

Notes

Copyright
© Robert Doughty Consultancy Limited.
All rights described in the Copyright, Designs and Patents Act 1988 have been asserted.

Ordnance Survey Map
© Crown Copyright. OS Licence No: AR 100010613.

Dimensions
All dimensions shown are for the purposes of obtaining the relevant planning permission only.

CDM 2015
This drawing is for illustrative purposes and/or obtaining the relevant planning permission only. It should not be used for construction and accordingly, risk identification under the Construction (Design & Management) Regulations 2015 has not been undertaken.

N
0 2 4 6 8 10m

Rev	Description	Date
-	-	-

rdc
Robert Doughty Consultancy

32 High Street, Helpringham
Sleaford, Lincolnshire, NG34 0RA

Tel: 01529 421646
Email: admin@rdc-landplan.co.uk
Web: www.rdc-landplan.co.uk

Client
Samantha Carr

Project
Redevelopment
Land off Fleet Road, Holbeach

Drawing
Proposed Planting Plan

Scale @ A1	Date
1: 200	18/01/23
Drawn By	**Checked By**
WW	GP

Job Number	Status	Purpose of Issue
1459-4	CC	Condition Complaince

Drawing No. 1459-4_CC_PP01 **Rev** -