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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 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 prior approval of the Landscape Architect and as appropriate the relevant Local Planning Authority.

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.

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) and Part 4 (2007) and BS 4043 (1989) where Applicable and BS 4428 (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), as recommended by the Structural Engineer. 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..

Hedges	- 450mm
Small feathered tree pits	- 600 x 250mm depth
Light Standard/Standard tree pits	- 900 x 600mm 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. Compacted glazed sides of pits should be roughened.

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

TOPSOIL REQUIREMENTS

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

1) Incorporate 75mm depth of soil conditioner into topsoil during cultivation;
2) Incorporate Alginure Soil Improver or similar approved. 1.5kg/m3 to tree pit backfill
3) Incorporate Enmag CRF 11-21-9 granular fertilizer or similar approved 5-60gms/pit backfill;
4) Watering - 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 to hedge planting and 500mm mulch collar to individual trees. 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 - 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.

TREE STAKES TIES & GUARDS

Trees planted within grassed areas to be planted with appropriate 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
2.5/1.8m	50mm	1.2m	0.6	1	1
Light Std	75mm	1.5m	0.6	1	1
3.5/2.5m					
Std Trees	75mm	1.5m	0.6	1	1
3.5/2.5m					

Native hedge and screen planting to be protected with suitable biodegradable plastic spiral rabbit guards and support cane. Allowance to be made for evergreen and bushy species to be protected with mesh shrub guards and 750 x 25 x 25 timber stake and plastic ties.

TURFED AREAS (As appropriate)

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 (As appropriate)

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 TO EXISTING TREES

The contractor shall maintain any protective 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.

POST PLANTING MAINTENANCE

Regular visits during 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.

Hedge planting 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. Watering shall be carried out as necessary to maintain healthy growth or as required by the Landscape Architect subject to any statutory restrictions.

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.

PLANTING SCHEDULE

Trees					
Species	**Girth (cm)/Brks**	**Height (cm)**	**Root Zone**	**Specification**	**Quantity**
Ac - Acer campestre	6-8	250-300	2X BR	Light Standard	4
Ag - Alnus glutinosa	8-10cm	250-300	2X BR	Standard	6
Bp - Betula pendula	8-10cm	250-300	25L CG	Standard	4
Pav - Prunus avum	6-8	250-300	2X BR	Light Standard	3
Qr- Quercus robur		200-250	2XRB	Feathered	2
Tc - Tilia cordata		200-250	2XBR	Feathered	6

All Standard trees to be Clear Stemmed to 1.8m and planted in locations shown

Native Hedge Planting - Planted as a double staggered row at 500mm centres with 500mm between rows, 4/linear metre					
Species	**Form**	**Height (cm)**	**Specification**	**Spacing**	**Quantity**
Cm - Crataegus monogyna (Hawthorn) 40%	Transplant	60-80	BR 1 + 1	500mm ctrs	232
Cs - Cornus sanguinea (Dogwood) 10%	Branched 3 Brks	60-80	BR 1 + 2	500mm ctrs	58
Cav - Corylus avellana (Hazel) 15%	Branched 2 Brks	40-60	BR 1 + 1	500mm ctrs	88
Iaq - Ilex aquifolium (Holly) 5%	Bushy 3 Brks	40-60	3L pot Bushy 3	500mm ctrs	30
Psp - Prunus spinosa (Blackthorn) 25%	Branched 2 Brks	60-80	BR 1 + 1	500mm ctrs	145
Vo - Viburnum opulus ((Guelder Rose) 5%	Branched 3 Brks	60-80	BR 1 + 2	500mm ctrs	30

Notes

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N

0 5 10 15 20 25m

PLANTING KEY

Proposed tree planting

Proposed native hedge mix

Rev	Description	Date
A	Foul drainage shown	28.04.22

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Project
Additional Tourism Accommodation
North View Lakes, Gedney Hill

Drawing
Proposed Planting Plan

Scale @ A1	**Date**
1: 500	05/11/21
Drawn By	**Checked By**
CH	GP

Job Number	**Status**	**Purpose of Issue**
817-8	CC	Planning

Drawing No. 817-8_CC_PP01 **Rev** A