

Summary Landscape Specification

All in accordance with the North Kesteven District Council HRA General Architectural Design Requirements Version 6.0 September 2019. Landscaping to communal areas/open spaces designed to minimise future maintenance liabilities in grass and trees rather than shrub beds as required by the Design Requirements.

EXISTING TREES AND SHRUBS Where any existing trees and shrubs affecting the proposed development are to be retained it is recommended that they should be subject to a full arboricultural condition survey and inspection for safety.

Any works 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 undertaking any works. Protect all trees which are subject to Tree Preservation Orders.

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 chemical, ground compaction, excavation or changes in level shall be carried out within existing tree/hedge canopies or fenced root protection areas.

PLANTING All plants and planting shall comply with the requirements of all current/relevant British Standard specifications and any UK legislative restrictions and guidelines including BS 3936: Part 1 (1992) Specification for Trees and Shrubs, Part 2 (1990), Part 4 (2007), Part 9 (1998), Part 9 (1998), Part 9 (1998), Part 9 (1998) where applicable and BS4428 (1989) where applicable and BS4428 (1989) where applicable and the plant schedule. Any plant material planted outside the recognised planting season (Nov-March) is to be containerised stock and supplied at the sizes specified. As far as practically possible to do so, all stock should be from the relevant provenance zone. Any reputable nursery can advise on provenance. Tree Planting will be in accordance with: BS 6545:2014 Trees: From nursery to independence in the landscape - Recommendations

Note: Due to the national concerns regarding Chalara dieback of ash (Chalara fraxinea) and the import and movement restrictions of this species, ash trees will be excluded as a species choice within this tree planting scheme.

TREE PLANTING A suitable method of foundation allowing for existing ground conditions is to be provided to accommodate proposed tree planting. All trees are to be planted as shown ensuring a minimum of 5 metres from built form 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. Plants should be planted during the dormant season between November and March when ground conditions and weather is most favourable. Planting during hard frosts should be avoided. During periods of storage bare rooted plants should be firmly heeled into a prepared trench spreading the roots and covering with peat free compost or topsoil. 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 3802 (2015) and as qualified by any site specific project contract specification including any site specific Remediation and Verification Strategy. All areas shall be cultivated to a minimum depth of 150mm. All weeds, 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/Hedge/Perennial planting beds - min 300mm Standard/feathered trees - 900 x 600mm depth Select/Heavy Standard tree pits - 1200 x 750mm depth Grass Areas (Amenity) - min 300mm

Allowance to be made within the requirement for any clean cover system to all landscape areas to accommodate the above topsoil depths to provide a suitable growing medium. 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 good quality topsoil in accordance with the above. 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 done to the centre of the pit. Compacted grazed sides of pits should be roughened to allow root penetration. All plants should be planted to the root collar level. Plants should be firm in, to the point whereby a gentle tug will not remove them from the soil. Each allocated spot for tree planting should be weed free. A minimum of 2m diameter is recommended.

Where the soil environment is in such a condition that would limit or restrict good tree growth topsoil should be imported into the site and spread and cultivated into the planting site. The top soil specification should be in accordance with BS 3882:2015 Specification for Top Soil. Full analysis of both existing and any imported topsoil is recommended prior to use to identify nutrient properties and content that may be detrimental to and inhibit establishment and growth.

TOPSOIL REQUIREMENTS It is recommended that the following is applied to all newly planted areas, to manufacturers recommendations where appropriate:

- 1) incorporate 75mm depth of soil conditioner into topsoil during cultivation to all ornamental shrub beds;
2) incorporate Aglime Soil Improver or similar approved, 1.5kg/m3 to tree pit backfill and 75g/m2 to ornamental shrub areas;
3) incorporate Emag Crag 11-21-9 granular fertilizer or similar approved 5.4kg/m3 pit backfill and 25-125g/m2 to ornamental planting 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 geotextile membrane, suitably pegged and minimum 75mm depth of bark mulch consisting of 50-100mm grade bark mulch. 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 upto 1/3" 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, nursery stock to be double staked with cross bar and the Contractor shall provide triple tree stakes guards or ties as required.

PLANTING Trees should be planted at the original root collar depth with allowance made for soil settlement. Trees should be positioned centrally within the pit, the stem in an upright position. The pit should be backfilled with a suitable topsoil/peat free compost, mixed planting medium. Lightly firm backfill soil to ensure close contact with roots and to ensure roots are held secure within the soil. Secure each tree to the top of the stake including a rubber spacer between the stake and the tree stem.

TREE STAKES TIES & GUARDS INCLUDING SPECIMEN SHRUBS 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/G/G), 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:

Table with columns: Tree Type, Min dia, Overall Height, Height above grd, No. stakes, No. ties. Rows include Specimen Shrubs, Std Trees/Fhd, Std Std, and Hay Std.

All trees will need support and protection from animal damage in the first few years of establishment to establish an upright growth formation. All stakes and tying bonds shall be regularly inspected, stakes shall be kept in an upright and firm position at all times and secured.

GENERAL PURPOSE MEADOW TURF (WEED FREE) Turf to BS 3969:1998 + A1: 2013 from an approved source. 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 removing all minor hollows and ridges. Cultivate soil to a full depth and break up any compacted topsoil. Unless otherwise stated finished levels after settlement are to be 25mm above adjoining paving, kerbs and drainage covers. Control any perennial pernicious weeds. Only apply approved herbicide to control weed growth where areas have become overgrown and only if absolutely necessary to avoid the spread of noxious weeds. Avoid blanket treatment and spot treat pernicious perennials and allow period of time to elapse as recommended by the manufacturer before further cultivation. Allow period of time to elapse as recommended by the manufacturer following the use of herbicides 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 plants 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 to 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. Continue to mow all areas on a regular basis for amenity value purposes to produce a short turf and lawn. After twelve months the sward should be well established. As an ongoing process, observe and remove any pernicious weeds which invade the area.

PROTECTIVE FENCING The contractor shall maintain any tree protective fencing until all the site works are completed. The contractor will then remove the fencing and reinstaate 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 in the vicinity of existing trees, all excavations shall then be carried out by hand.

MAINTENANCE Contractor to maintain and water landscaped and turfed areas for 6 months after completion. Regular visits to maintain all planted areas in a weed and litter free condition using hand weeding methods during the agreed defects/maintenance period. All tree stakes and tying bonds shall be regularly inspected, stakes shall be kept in an upright and firm position at all times and secured. Where pernicious perennial weeds persist spot treat with appropriate approved herbicides applied to manufacturers recommendations. The widespread blanket use of herbicides is not permitted. Maintenance to include watering, pruning, pest and disease control and re-mulching as required. Amenity Grass areas within the development area to be mowed at regular intervals during the growing season. Cut amenity 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. Ensure sufficient water is provided to maintain healthy growth unless water restrictions are in place.

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

Table with columns: Plan ref, Species, Girth (cm), Height (cm), Root Zone, Specification, Quantity. Lists various tree species like Acer campestre, Betula pendula, etc.

All select Standard trees and above to be Clear Stemmed to 1.8m All tree planting to be in accordance with the Summary Planting Specification particularly regarding Service and Utilities

Table with columns: Plan ref, Species, Form, Height (cm), Root Zone, Specification, Spacing, Quantity. Lists hedge and VIEP plantings.

Table with columns: Plan ref, Species, Form, Height (cm), Root Zone, Specification, Spacing, Quantity. Lists ornamental shrub plantings.

Table with columns: Plan ref, Species, Form, Height (cm), Root Zone, Specification, Spacing, Quantity. Lists specimen shrub plantings.

As indicated on plan grass areas within the development to be weed free meadow turf in accordance with the North Kesteven District Council HRA General Architectural Design Requirements Version 6.0 September 2019.

Table with columns: Species, Specification, % Mix, Spacing, A1, A2, A3, Total. Lists ornamental shrub and perennial plantings.

Table with columns: Species, Specification, % Mix, Spacing, B1, B2, B3, Total. Lists ornamental shrub and perennial plantings.

Table with columns: Species, Specification, % Mix, Spacing, C1, C2, C3, Total. Lists ornamental shrub and perennial plantings.



- B Additional shrub planting at clients request adjacent office and between plots 25 & 26
A Tree position revised RE: Vehicle changing points. Approximate location of existing trees on northern boundary shown.

Table with columns: Rev, Description, Date. Shows revision history.

rdc Robert Daugherty Consultancy 32 High Street, Heringingham, Norfolk, NR34 0BA Tel: 01529 421646 Email: rdc@rdc-landplan.co.uk Web: www.rdc-landplan.co.uk

Client Lindum Group Ltd

Project Grinter Close North Hykeham

Drawing Proposed Planting Plan Scale @ A0 1:200 Date 09/01/24

Drawn By WW/GP Checked By GP

Job Number 577-77 Status PL Checked by GP Purpose of Issue Planning

Drawing No. 577-77\_PL\_PP01 Rev B