

Muddle Barn Farm
Sibford Gower, Oxon OX15 5RY

Planting Specification & Schedule

Issued for Planning Discharge
Application No.: 18/00616/F

6th September 2019

To be read with Landscape drawing : 'MBFSK001revH'
& document 'Landscape Management Plan'

Planting Specification & Schedule 2019

Hendy Curzon Gardens Limited - The Design Barn, Bolton's Lane, Combe, Oxfordshire. OX29 8NB

Telephone 01993 886915 - hello@hendycurzon.co.uk - www.hendycurzon.co.uk Company Registration No: 6540697 - Vat No: 892124814

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1.0 GENERAL INFORMATION/GUIDANCE

For the purposes of this report the appointed Landscape Designer is referred to as 'LD', Mr & Mrs Besterman are referred to as 'The Client' and the landscape contractor is referred to as 'The Contractor'.

1.1 SOIL CONDITIONS - Cultivate and plant into moist friable soil that is not waterlogged. Do not plant into frozen or snow covered soil without prior approval of the LD. The contractor shall provide adequate additional root protection and prevent planting pit sides and bases and backfill materials from freezing.

1.2 CLIMATIC CONDITIONS - Carry out the work while soil and weather conditions are suitable for the relevant planting operations. Do not plant during periods of frost or strong winds.

1.3 TIMES OF YEAR FOR PLANTING -Trees/shrubs: Deciduous trees and shrubs: Late October to late March. Conifers and evergreens: September/ October or April/ May. Container grown plants: At any time if ground and weather conditions are favourable.

1.4 MACHINES AND TOOLS - Use only machinery and tools suitable for the site conditions and the work to be carried out. Use hand tools around trees, plants and in confined spaces where it is impractical to use machinery.

1.5 GENERAL WATERING - Ensure the full depth of the topsoil is evenly and thoroughly wetted. Use a fine rose where appropriate to avoid damage or displacing plants or soil. Water as necessary to ensure establishment and continued thriving of planting. If planting takes place during prolonged hot and dry conditions, the contractor is to ensure the plants are well watered.

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1.6 WATER RESTRICTIONS - If water supply is or is likely to be restricted by emergency legislation, do not carry out planting until instructed. If planting has been carried out, obtain instructions on watering.

1.7 PREPARATION, PLANTING AND MULCHING MATERIALS - Preparation, planting and mulching materials must be free from toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

2.0 SPECIFICATION OF PLANT MATERIAL

2.1 PLANTS/ TREES – GENERAL - All species shall be true to name and character and shall be supplied as specified with all the trees origin and provenance meanings given in the National Plant Specification. They shall have been grown and handled according to good horticultural practice and according to all current UK Government and EC regulations. The supplying nursery shall be expected to carry out thorough and rigorous production methods to ensure that the stock is of highest standards.

The conditions of all plants shall be materially undamaged, sturdy, healthy and vigorous and be of good shape, without elongated shoots. They shall be grown in a suitable environment and sufficiently hardened off prior to delivery to site. They shall be free from pests, diseases, discolouration, weeds and physiological disorders. Budded or grafted plants must be bottom worked.

The root system and condition must be uniform and well developed with fibrous root hairs typical of a healthy tree of the species, age and number of transplantations.

2.2 TREES/PLANTS - Obtain from approved sources with soil and climatic conditions similar to those prevailing on site. Adequately and carefully pack and protect against mechanical damage, extremes of temperature and drying out. The code for Plant Handling published by C.P.S.E. shall be strictly adhered to.

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2.3 TREE SPECIFICATION DEFINITIONS - Notes to planting schedules and Specification clauses.

a) CODE (European)

Twice Transplanted Tree	= 2x
Three Times Transplanted Tree	= 3x
Four Times Transplanted Tree	= 4x
Rootballed in Hessian and encased in wire mesh	=RB
Container Grown/Air Pot	= CG

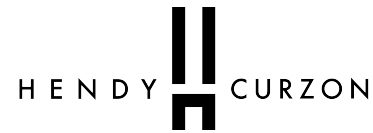
b) ENGLISH DESCRIPTION

Half Standard 4-6cm, 1.75-2.50m height Clear stem to 1.25 -1.50m	= Half S
Extra Light Standard 5-6cm, 2.0-2.50 m height Clear stem to 1.5-1.75 m	= ELS
Light Standard 6-8cm, 2.5-3.00 m height Clear stem 1.5-1.75 m	= LS

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Standard 8-10cm, 2.5-3.00 m height = STD
Clear stem to 1.75-2.00m

Selected Standard 10-12cm, 3.00-3.50m height = SS
Clear stem to 2.00 m

Heavy Standard 12-14cm, 3.50-4.25 m height = HS
Clear stem to 2.00m

Extra Heavy Standard
14-16 cm, 4.25-6.00 height = EHS
16-18 cm, 4.25-6.25 height = EHS
18-20 cm, 4.50-6.50 height = EHS
Clear stem to 2.00m
Semi Mature 20cm + minimum height 4m = SM

2.4 NURSERY AND ADVANCED NURSERY STOCK - All trees shall conform generally to BS 3936 Part 1 (Nursery Stock Trees) and BS 4043 (Advanced Nursery Stock Trees) and as further described in the plant schedules. All trees shall be strong growing, shall have reasonably straight, upright stem and accord with the dimensions given in the Schedule with evenly balanced and well developed crowns, with no main branch crossing the crown, and well developed fibrous root structure. All batches of single species shall be uniform in character.

All stems shall be free from abrasions and stem girdling. Stems shall be straight and uniform.

2.5 FEATHERED TREES - Feathered trees shall be furnished with a single leader and well-developed laterals (except for ashes) to ground level with uniform and full leaf coverage appropriate to their age and

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species/type. Stems shall be straight and uniform and free from abrasions and stem girdling. All plants shall have a strong fibrous well developed but compact root system with root spread proportional to the size of the tree with a reasonable proportion of fine fibrous rootlets. The roots shall not be torn or lacerated.

2.6 CLEAR STEM TREES - All clear stem trees shall have a full and well developed crown with a uniform leaf coverage appropriate to their age and species. All shall bear a single upright straight central leader. Unless otherwise stated, they shall have a 1.8m clear stem height.

2.7 BARE ROOT TREES - All bare rooted subjects shall have a strong fibrous root structure. The root systems shall be well developed but compact with root spread proportional to the size of the tree with a reasonable proportion of fine fibrous rootlets. The roots shall not be torn or lacerated.

2.8 ROOTBALLED TREES - The trees shall have a good well-formed root ball with dimensions according to the species and size of the tree. The diameter of the root ball is usually at least three times the size of the girth, measured at 1 metre above ground level. Rootballed trees shall be adequately supported by wire mesh and hessian, or other suitable material to prevent collapse of the rootball. The rootball shall be of sufficient size to contain the fibrous roots. Trees, which have a collapsed rootball or expose major parts of the root system will be rejected.

2.9 WHIPS AND TRANSPLANTS - All plants shall conform generally to BS 3936 Part 4 for Forest Trees and as further described in the plant schedules. They shall show a high degree of growth in their stem, shoots, and leaf cover appropriate to their age and species, and shall have a strong and well developed fibrous root structure. The requirements given in the plant schedules constitute a guide to the required heights, and number of breaks (where appropriate) in the lower third. Plants shall be appropriately spaced to allow a full and uniform leaf coverage to develop to the crown, evenly radiated around its stem. Whips shall have a minimum of five breaks.

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All plants shall, on delivery, be free from diseases and pests and be materially undamaged.

When requested to containerise the plants, the plants shall be placed in containers of appropriate size. The plants shall be managed to encourage their continued development and to ensure they root through. The compost used will hold sufficient reserves of nutrients to maintain the plants in a satisfactory condition for a reasonable period of time after leaving the growers nursery. The compost shall be free from any perennial weeds and have a reasonable moisture content. The compost shall not contain peat from UK Sites of Special Scientific interest or equivalent from other countries. The compost shall contain the additive SusCon Green, mixed in accordance with the manufacturer's recommendations.

Bare Root Stock shall be dipped into root dip mixed according to the manufacturer's recommendations as soon as is possible after lifting. The stock shall then be bundled in batches, of species, height or individually and the roots placed in a suitable plastic bag, to prevent drying out during transport and prior to planting.

2.10 BULBS/CORMS/TUBERS - These shall be firm, entire, not dried out or shrivelled, free from pests, diseases and fungus. All bulbs/corms/tubers must be removed from packaging immediately. If necessary, store for the minimum period of time, in a well ventilated, dark, covered location at 18 - 21°C, away from vehicle exhausts and fruit. They shall conform to BS 3936 Part 9.

2.11 CONTAINER GROWN SHRUBS - All plants will be true to name and character and shall be supplied container grown. They shall have been grown and handled according to good horticultural practice and to all current UK government and EC regulations.

All plants shall be well developed and shall have been grown in the same container for at least one full growing season prior to delivery.

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All specimen shrubs shall have a balanced, well developed crown with a strong main stem and lateral branches or a minimum of 4 stems arising from the ground level, dependent on species. All specimen shrubs shall be well furnished to ground level, unless otherwise shown.

The root systems will adequately fill the capacity of the container to show clear evidence of the proper establishment of a healthy fibrous root system. Plants showing signs of being pot-bound or waterlogged will not be accepted.

All plants shall show a high degree of extension growth typical of the species or type and appropriate to the specified container size. The requirements given in the plant schedules constitute a guide to the required heights and number of breaks (in the lowest third of the plants). The plants shall be appropriately spaced to allow a full and uniform branch and leaf coverage to develop, evenly radiating around the pot.

The compost will hold sufficient reserves of nutrients to maintain the plant in a satisfactory condition for a reasonable period of time after leaving the Growers Nursery. The compost shall be free from any perennial weeds and have a reasonable moisture content. The compost shall not contain peat from UK sites of Special Interest or the equivalent from other countries. The compost shall contain the additive SusCon Green, mixed in accordance with the manufacturers recommendations.

All plants shall be properly hardened off before delivery.

All plants shall on delivery be free from diseases and pests and undamaged

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3.0 PLANT MATERIAL: SOURCING

3.1 PLANTS/ TREES – SOURCING - Plants are to be obtained from an approved source confirmed in writing at the time of tender. The plant source/s are to have soil and climatic conditions similar to those prevailing at the site.

If for any reason plant material cannot be obtained as required above, the contractor shall furnish the LD with details of an alternative source of supply, whether from mainland Europe etc. The LD may request additional information as necessary.

Where plant material is unobtainable or known to be likely to be unobtainable at the time of ordering, alternatives may be submitted with the tender, stating the price and how they differ from the specifications. Such substitutions may not be acceptable and submission of further alternatives may be required. Obtain approval before making any substitution.

Where alternative species and/or sizes are offered, the contractor must clearly state in their tender, which specified plants/sizes they propose to change.

Single species from more than one source must be of the same clonal type and cultivator, and be similar in form, root structure and size.

4.0 DELIVERY OF PLANTS

4.1 LABELLING AND INFORMATION - Plants shall be identified until planting with a label to each plant or group of the same species.

Provide each plant/ tree or group of plants/ trees of a single species or cultivar with supplier's labelling for

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delivery to site, showing:

Full botanical name

Total number

Number of bundles

Part bundles

Supplier's name and address

Employer's name and project reference or order number

Plant specification in accordance with scheduled National Plant Specification categories.

4.2 UNLOADING ON DELIVERY - The contractor shall supervise the unloading of the plants and shall inspect the plants at delivery.

4.3 UNSUITABLE OR DEFECTIVE PLANTS/ TREES - Any materials, which in the opinion of the LD do not meet the requirements of the Specification, or are unsuitable or defective in any other way, will be rejected. The minimum sizes in the plant schedules will be strictly enforced.

4.4 SUBSTITUTE PLANTS - The tender must be based on plants, which are available. Plants, which are unobtainable are to be clearly identified in the tender and alternatives are to be submitted for approval by the LD, stating species, size, form and price. These substitutes must be the equivalent or better quality than the species specified. Such substitutes may not be acceptable and submission of further alternatives may be required. Obtain approval before making any substitution.

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4.5 PLANT/ TREE HANDLING, STORAGE AND TRANSPORT - The contractor shall comply with CPSE 'Handling and establishing landscape plants' (obtainable from the Horticultural Trades Association) Part I, Part II and Part III, paragraphs 1.3.3 to 1.3.6, 3.0, and 4.0.

Plants/trees shall be handled with care and protected from frost. Protect from mechanical damage and do not subject to shock, eg. by dropping from a vehicle.

Plants, which are not to be planted on the day of delivery to the site, are to be stored as follows or by other approved methods:

Bare root trees that are to be stored for subsequent planting shall be stored on site by laying them horizontally, resting the branches on straw bales and covering the root balls with soil and firming well in to prevent air pockets.

Container grown plant material shall be stored upright in a location on site agreed with the LD. Any plant material stored shall be protected from drying winds and watered regularly.

Rootballed plants that are not to be planted within 24 hours of delivery are to be grouped together and their rootballs covered with moist non-peat organic matter suitable for protecting from frost and from drying out.

Watering should continue to keep all plant roots moist until planting can commence.

The contractor shall allow for all costs associated with undertaking correct storage of plant material.

4.6 TREATMENT OF TREE WOUNDS - The contractor shall ensure to keep all tree wounds as small as possible by cutting cleanly back to sound wood using sharp, clean tools and leaving branch collars. Do not cut flush with

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stem or trunk. Set cuts so that water will not collect on cut area. Do not apply fungicide/ Sealant unless instructed.

4.7 PROTECTION OF EXISTING GRASS - In general all existing grass areas are to be protected from planting operations by using boards/ tarpaulins. Do not place excavated or imported materials directly on grass.

5.0 PLANT CONTAINERS

5.1 CONTAINERISATION (HOLDING OVER) OF TREES - The programme for planting of larger trees is not known. The contractor is to provide alternative prices for supply all trees of 14-16 cm and above as containerised.

The contractor shall liaise with the supplier nursery and make all necessary arrangements for the supply and delivery of the approved and tagged tree stock to the contractors own containerisation nursery at the earliest possible time and certainly no later than 2 weeks after tagging.

Trees are to be containerised/held over by either of the methods specified below to ensure their availability with in the proposed site(s) programme of works and to guarantee the stock's survival and establishment on site.

The contractor shall state the preferred method of containerisation/holding over in the tender return.

Trees shall be containerised with spring rings. The contractor shall comply with the supplier's recommendations for installation and use, but shall generally assemble the containers with the cusp holes pointing outwards, to allow the root tips to be air pruned and appropriately sized for the rootball/tree being containerised and the period of holding over.

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The following compost mix shall be used within the containers:

50% Pre-agreed Organic Fibrous alternative to peat moss
25% Medium bark
12.5% Horticultural grit
12.5% Sterilised loam

SR (Slow Release) base fertiliser 4.536 Kg/m³ consisting of:
5.3% Nitrogen by volume
7.7% Phosphate by volume
10.0% Potash by volume

pH value 6.5

The compost shall be maintained free from perennial weeds.

The contractor shall maintain and guarantee all trees at his own nursery including the installation of a drip irrigation system capable of applying 75-100 gallons per week depending on the prevailing weather conditions until the stock is ready for planting on the particular site. The contractor shall guarantee that the trees will have made sufficient root development for successful planting in line with each site's proposed programme of works.

All trees shall be placed on a gravel bed or similar, and securely held by overhead cables, which should be sheathed in rubber to prevent chaffing.

The containerisation area shall be covered in gravel or similar and shall be placed adjacent to a hard paved

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access road to enable the trees to be loaded onto suitable road transport irrespective of ground conditions.

6.0 PREPARATION OF PLANTING AREAS/ PLANTING MATERIALS

6.1 WEED CONTROL - The contractor shall prevent weeds from seeding and perennial weeds from becoming established, by hand weeding.

6.2 GENERAL FERTILIZER (SUBJECT TO SOIL TESTS) -

Manufacture and reference:

Enmag
Scotts UK Professional
Paper Mill Lane
Bramford
Ipswich
Suffolk. IP8 4BZ
Tel: 01473 830492 Fax: 01473 830386

Or similar approved by LD

Apply evenly over the soil at 70g/sqm.

6.3 PEAT -Do not use peat or products containing peat.

6.4 SOIL AMELIORANT/ CONDITIONER - Incorporate the following during cultivation to ornamental planting areas:

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Eco-mix compost, available from:

Eco-composting Ltd Chapel Lane Parley
Christchurch Dorset. BH23 6BG
Tel: 01202 593601 Fax: 01202 581119

Spread over all planting areas at 50mm depth during cultivation.

Or

Pro-Grow, available from :

Mendip Forestry Ltd
Quarry Bank
29a Berkley Road
Frome
Somerset. BA11 2ED
Tel: 01373.465767 Fax: 01373.453131

Spread over all planting areas at 50mm depth during cultivation.

Or similar approved by LD

6.5 SOIL AMELIORANT/ CONDITIONER (DRIED SEWAGE SLUDGE) - Incorporate the following during cultivation to all woodland, scrub and hedgerow areas:

Biogran, available from:
SC Technology AG
Wessex House

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Passage Street
Bristol. BS2 0JQ
Tel: 0117 9757715 Fax: 0117 9757727

Apply evenly over topsoil at 7-10.00Kg of material per sqm immediately before cultivation and intimately incorporate to full depth of 400mm of topsoil or as Soil Scientist Soil Report recommendations.

6.6 CULTIVATION - Uncompacted and undisturbed areas of existing field to be planted do not need to be cultivated as plants will be planted into the grass or already agriculturally cultivated areas.

Any compacted topsoil shall be broken up to full depth.

A few days before planting, but in suitably dry weather and ground conditions, cultivate top 300mm of all planting beds, using suitable plant to loosen, aerate and break up the soil into particles of 2-8mm. Leave surface regular and even. Remove weeds, perennial weed roots and undesirable material brought to the surface including stones and clods larger than 50mm in any dimension, roots, tufts of grass and foreign matter.

Do not dig or cultivate within root spread of trees and shrubs to be retained.

7.0 PLANTING SHRUBS/ PERENNIALS / BULBS / CORMS / TUBERS

7.1 SPEC.

Pits, holes, trenches shall be of a sufficient size to take rootballs, without breaking them, or roots without bending or cramping.

Plants are to be positioned in the locations and numbers shown on the drawings and placed to achieve even

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spacing and proper matching of shapes, particularly related to the original growing positions in the nursery. Plants shall be placed in positions showing their best side to the front. Where two or more plant species are shown in one space, they should be evenly mixed together to achieve the required effect unless otherwise noted on the drawings.

Bulbs, corms, tubers to correct depth and orientation.

Plants shall be planted at the same depth as their nursery mark allowing for settling of soil after planting. They shall be completely firmed in after planting.

Care shall be taken to avoid breaking up the rootball of pot grown shrubs. Plants that have full fibrous rootballs shall have their roots gently eased out.

The topsoil shall be lightly consolidated and firmed around the root collar to eliminate all air pockets.

7.2 AFTER PLANTING - Water plants thoroughly immediately after planting, using a fine rose or sprinkler where necessary to avoid damaging plants. Lightly firm soil around plants and fork and/or rake soil, without damaging roots, to a fine tilth with approved gentle cambers and no hollows.

7.3 MULCHING PLANTING BEDS

Material: Ornamental Bark Mulch From:

Melcourt Industries Ltd
Boldridge Brake
Long Newnton
Tetbury Glocs. GL8 8RT

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Tel: 01666 502711 Fax: 01666 504398

Or similar approved by LD

Bark mulch shall be from an approved source and a representative sample shall be supplied for approval prior to delivery.

The contractor shall obtain approval from the LD and ensure that all planting areas are weed free before commencing mulching.

Clear all weeds, water soil thoroughly and mulch the whole surface of planting beds with bark at a finished depth of 75mm (1cu m of material per 13.3 sqm). Allow for at least 5% settlement after 30 days.

If a 'similar approved' product is proposed, mulch shall consist of predominantly matured British pine bark with an even particle size distribution between 5-35mm, containing no dust or fine material. The mulch shall contain less than 5% wood. The mulch shall be pest, disease and weed free and be free of Methyl Bromide contamination or other additives with available Manganese not exceeding 35ppm. The product shall have been tested in accordance with the requirements of BS4790:1987 for fire resistance.

8.0 PLANTING TREES

8.1 GENERALLY -The contractor shall make full allowance for provision of all cranes, lifting tackle, tree collars etc. required for lifting trees into position having confirmed the weight and dimensions of all the trees reserved with the nursery supplier(s). Any use of cranes shall be coordinated with the LD, agree haul routes, types of tracks on vehicles etc. prior to commencing tree deliveries. Make good, at no extra cost to the contract, any damage incurred to finished kerbs, hardstanding etc. during planting.

Trees shall be planted at the same depth at which they were previously growing. Great care shall be taken to

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avoid damage to the root systems, stems and crowns when planting and when removing crates and containers.

Any damaged trees shall be taken off site and replaced at no additional cost. Planting is to be carried out in suitable weather. Stock shall not be planted in conditions of frost, frozen ground, strong wind or heavy rainfall that renders the soil waterlogged or in sticky condition. Wherever possible, planting should take place when the weather is dull and the ground is moist and workable.

8.2 TREE PITS -Mark the centre of each pit with a suitable peg, eg. Dahlia stake, indicating the species and size on the peg. No tree pits shall be dug until final tree positions have been pegged out and approved by the LD.

Excavate the base of the pit with a slightly raised centre. Retain topsoil for re-use. In sloping ground, maintain horizontal base and vertical sides with no less than minimum specified depth throughout.

Pits shall be prepared just before the trees are planted. On no account shall tree pits be left unfilled. Pits once excavated shall be backfilled with topsoil and only re- excavated immediately prior to planting to accommodate the rootball spread of the tree.

For rootballed, bare rooted, containerised and container grown, unless otherwise instructed:

60-80cm Semi-mature	2000mm square x 900mm deep
30-60cm Semi-mature	1500mm square x 900mm deep
25-30cm Semi-mature 2	1500mm square x 900mm deep
0-25cm Semi-mature	1200mm square x 900mm deep
Large feathered & multi stemmed	1200mm square x 900mm deep
18-20cm & 16-18cm	1200mm square x 900mm deep

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14-16cm&12-14cm	900mm square x 600mm deep
Standard (include multi stemmed)	900mm square x 600mm deep
Feathered, light & half standards & specimen shrubs	600mm square x 450mm deep
Whips	450mm square x 300mm deep

Where necessary increase the above dimensions to ensure that pits are wide enough to accommodate roots when fully spread and an additional 200mm deep to accommodate a 200mm layer of drainage substrate. On no account must tree roots be trimmed or altered in order to be accommodated in any excavation. Any excavated material, which is not topsoil shall be removed from site.

Break up bottoms of pits to a depth of 150mm and scarify sides. The base of the pit should fall towards the drainage trench.

Backfill material: as Clause 8.9

8.3 TREE PIT ACCESSORIES - Form watering hollow around tree bases of a sufficient diameter and height to act as a water 'reservoir' for the tree rootball. Insert Air tube. Spec. tbc with LD.

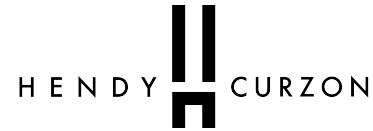
8.4 TREE PIT DRAINAGE - Increase depth of excavation from specified size to allow for aggregate layer, sloping base of pit towards trench. Width of trench 300mm, depth 200mm min. Backfill trench with min. 200mm deep clean gravel or broken stone, with no fines, graded 8-10mm blinded with coarse sand or grit to prevent ingress of fines. Test for free draining of completed pits before planting.

8.5 SEMI MATURE TREES (& ANS 18-20 cm girth) – UNDERGROUND GUYING Backfilling material: as Clause 8.9

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Platipus Tree Anchors Kits For ANS 18-20cm girth – RF1

For semi mature trees up to 45cm girth – RF2

Rootball frame:

Platipus Rootball Disc System. Fit in accordance with manufacturer's instructions.

From: Platipus Anchors Ltd.

Kingsfield Business Centre

Philanthropic Road

Redhill

Surrey RH1 4DP

Tel: 01737 762300 Fax: 01737 773395

OR

As instructed an approved form of 'Deadman' support, contractor to provide details.

8.6 STAKING GENERALLY - Stakes: Softwood milled round, straight and free from projections and large or edge knots with pointed lower end.

Nails: To BS 1202: part 1, galvanised, minimum 25mm long and with 10mm diameter heads.

Minimum stake sizes:

<u>Tree size</u>	<u>Overall length of stake</u>	<u>Diameter</u>
Feathered Stock (up to 2000mm tall)	1200mm	75mm
Nursery Stock	1500mm	75mm
Advanced Nursery Stock	1500mm	100mm

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Where feathered stock is planted in extremely windy and exposed sites, the length of the stake should be increased to 1500mm.

8.7 SHORT SINGLE STAKING - For all Feathered and Nursery Stock (up to 12-14cm girth bareroot stock). Position stake close to tree on windward side and drive vertically at least 300mm into bottom of pit before planting. Consolidate material around stake during backfilling. Cut stake to approximately 600mm above ground level. Secure tree firmly but not rigidly to the stake with:

Belts, Pads and Spacers available from:

J Toms Ltd.
7 Marley Farm
Headcorn Road
Smerden
Ashford
Kent TN27 8PJ
Tel: 01233.770066 Fax: 01233.770055

Feathered and Standard Nursery Stock and Heavy Standards: Chunky Pad (ref.04) and Special Nylon Reinforced 25mm Rubber belt (ref.B1). Use one nail for fixing and within 25mm of top of stake.

8.8 SHORT DOUBLE STAKING - For all Advanced Nursery stock (14-16 & 16-18 cm girth). Drive stakes vertically at least 300mm into the bottom of the pit on either side of the tree position before planting. Consolidate material round stakes during backfilling. Cut stakes to approximately 600mm above ground level. Secure tree firmly but not rigidly with:

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Belts and spacers from: J Toms Ltd. (as above)

Special Nylon Reinforced 37.5mm Rubber belt (ref.L5) and Rubber Sleeves (RS), cut to length, rubber belt looped around tree stem, through 2 no. rubber spacer sleeves cut to correct length to each stake use one nail fixing per stake.

8.9 BACKFILLING MATERIAL - The following backfilling is for all pits from whips to semi-mature.

The LD reserves the right to inspect all tree pits prior to the contractor backfilling with the specified material/ameliorants.

Top 400mm of backfill to tree pits only :
70% topsoil
30% tree and shrub planting compost
100g/m³ Enmag fertiliser

Tree and Shrub planting compost: Peat free

Backfill pits with approved subsoil up to 400mm from surface and backfill remaining depth with above topsoil backfill mix. The pits shall be filled in 150mm layers of subsoil finishing with topsoil and ameliorants. Each layer shall be consolidated in the gap between the rootball and the pit. Any subsequent settlement in tree pits shall be allowed for or made good by the contractor.

Any excavated material, which does not form part of the backfill shall be removed from site.

8.10 MULCHING TREES – For all other areas spent mushroom compost 50 mm min. depth.

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Bark mulch shall be from an approved source and a representative sample shall be supplied for approval prior to delivery.

The contractor shall obtain approval from the LD and ensure that all planting areas are weed free before commencing mulching.

Clear all weeds, water soil thoroughly and mulch the whole surface of planting beds with mulch material at a finished depth of 50mm (1cu m of material per 20 sqm) / 75mm (1cu m of material per 13.3 sqm). Allow for at least 5% settlement after 30 days.

8.11 TREE PROTECTION In general ensure that protection methods do not impede natural movement of trees or restrict growth.

Contractors to provide proposals for approval for guards to feathered trees 14-16, 16-18 and 18-20.

9.0 PLANTING OF WOODLAND AREAS, SCRUB AND NATIVE HEDGEROWS

9.1 WOODLAND WORK GENERALLY- Before any works are to carried out check for below and above ground services, including land drainage, in the vicinity. Give notice if they may be affected and obtain instructions before proceeding. All works shall comply with Forestry and Arboriculture Training and Safety Council Safety Guides.

9.2 HEDGEROW PLANTING - Notch plant in two staggered rows with 400mm centres with 450mm between rows and firmly heel around collar.

Water as shrubs. If instructed by LD, Herbicide 300mm diameter area to earth bank planting and other hedgerows.

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9.3 NOTCH PLANTING TRANSPLANTS INTO WOODLAND AND SCRUB PLANTING AREAS IN TURF OF EXISTING FIELD. Prior to planting, cut turf to less than 50mm height and remove arisings. Transplants shall be notch planted into the turf. Cut and upturn a turf of minimum 250 mm square. Make a vertical slit from the centre of the turf, to the side away from the prevailing wind, deep enough to accommodate full depth of roots. Plant transplant, close notch with root collar at ground level and firm the soil. Larger nursery stock to be pit planted. Water-in to field capacity.

9.4 NOTCH PLANTING TRANSPLANTS INTO CULTIVATED WOODLAND PLANTING AREAS.

Plants shall be notch planted into the previously cultivated area.

The topsoil shall be lightly firmed around the root collar to eliminate all air pockets.

All plants to be watered-in to field capacity. Larger nursery stock to be pit planted.

Water-in to field capacity.

9.5 PRUNING ON COMPLETION OF PLANTING Immediately after planting, carefully cut back any damaged or dead branches, remove any weak or thin growth. If requested additional pruning shall be carried out immediately and as requested.

Prune deciduous trees at time of planting by shorting side shoots and competing leaders and removing unwanted shoots to give a well balanced branch system. Where necessary reduce head by removal or shortening of shoots.

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9.6 TREE AND SHRUB SHELTERS - WOODLAND AND SCRUB PLANTING -

Guards shall be:

Acorn Shelterguard Plus for Transplant tree species, colour brown (or similar approved) -80-110mm diameter, 600mm height for transplants.

Acorn Shelterguard Plus for Transplant shrub species, colour brown (or similar approved) -170-200mm diameter, 600mm height.

Acorn Shelterguard Plus, cut pieces 300 mm diameter, 600 mm height for Ulex and Ilex.

Where plant sizes allow, welded shelters should be used. Where plant sizes do not allow the accommodation of welded shelters, they shall be supplied as cut pieces/ rolls to allow fitting around the plants on site.

600mm height spiral guards 63mm diameter for all larger stock.

From:

Acorn Planting Products
Little Money Road
Loddon
Norwich
NR14 6JD
Tel: 01508 528763 Fax: 01508 528775
Or similar approved by LD

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Guards except 300 mm diameter to be securely fixed to no.1 25mm x 25mm square sawn, 1.2m overall length hardwood stakes (chestnut or oak) with 2 nylon ties per plant at 300mm centres. 300 mm diameter guards to be fixed with 2no. stakes. Where the stock is planted in extremely windy and exposed sites, the length of the stake should be increased to 1.5m.

From:

Amenity Land Services Ltd
Long Lane,
Wellington,
Telford,
Shropshire. TF6 6HA
Tel. 01952 641949 Fax. 01952 247369

Or similar approved by LD

9.7 TREE AND SHRUB SHELTERS - HEDGEROW PLANTING - Guards shall be Acorn 600mm height spiral guards 38mm for transplants, 63mm diameter for all larger stock.

From:

Acorn Planting Products
Little Money Road
Loddon
Norwich
NR14 6JD

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Tel: 01508 528763 Fax: 01508 528775

Or similar approved by LD

9.8 MULCH - WOODLAND, SCRUB & NATIVE MIX PLANTING -

Material: Spent Mushroom compost

Or similar approved by LD

Mulch shall be from an approved source and a representative sample shall be supplied for approval prior to delivery. The contractor shall obtain approval from the LD and ensure that all planting areas are weed free, before commencing mulching. Clear all weeds, water soil thoroughly and mulch on area of 300 mm diameter for each planting station with mulch at a finished depth of 50mm (1cu m of material per 20 sqm). Allow for at least 10% settlement after 30 days.

10.0 APPROVALS

10.1 INSPECTIONS - Notwithstanding the conditions of this section the contractor must give 48 hours notice to the LD of their intention to begin the following operations:

- Setting out
- Application of herbicide
- Application of fertiliser
- Delivery of plants
- Planting shrubs
- Planting of trees
- Watering

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11.0 REPLACEMENTS

11.1 Replacements - Any trees, herbaceous planting and shrubs which, within a period of five years from the completion of the development die, are removed or become seriously damaged or diseased will be replaced in the current/next planting season with others of similar size and species. This is to comply with the planning agreement and must be strictly adhered to.

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