

SOFT LANDSCAPE SPECIFICATION

BARNSELEY ROAD
Goldthorpe



(FOR PLANNING PURPOSES ONLY)



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SECTION 1

PRELIMINARIES

Note: This document is issued as a planning document pertaining to 'Full Application' landscape areas.

General

A Landscape Contractor will be appointed by The Main Contractor and will implement the soft landscape works.

The construction programme is to be confirmed.

Detailed planting plans and landscape construction schedules of work for construction purposes will be provided for the Landscape Contractor in a timely manner so that procurement of the landscape stock and resources for each phase to be implemented can be planned.

Earthworks

All soiling and earthworks operations are to be carried out by the Main Contractor including tree pits, which should be coordinated with the design of locations of proposed underground services/ utilities so that the landscape layout on the approved planning drawings can be achieved.

The Main Contractor is required to appoint a Soil Consultant to review the site conditions, proposed landscape scheme and provide soil specification, quantities and recommendations for providing the soil types necessary for the establishment of the soft landscape scheme. The Landscape Preparation & Topsoiling Specification are provided in Appendices A. The Main Contractor's appointed Soil Consultant is to be confirmed.

The Main Contractor is required to carry the earthworks out in accordance with the Soil Consultant's recommendations and the Preparation and Topsoiling Specification and Drawings.

Prior to commencement each phase of landscape works on site the Main Contractor will provide Newlands Developments with a Soil Consultant's statement that verifies that the earthworks have been implemented in accordance with the Soil Consultant's specification and recommendations. This will also be provided for the Landscape Contractor. The Landscape Contractor will then notify the Contract Administrator of acceptance of the Landscape Preparation & Topsoiling for that phase of works.

Landscape works and procurement

To ensure the early stage co-ordination each phase of the soft landscape with on-going external works on site, a pre start meeting should be held with the Main Contractor and Landscape Contractor within two weeks of the issue of an order for a phase of landscape works to discuss access arrangements, health & safety and site welfare and storage facilities.

The Landscape Contractor should be aware that advance procurement of trees and plants generally will be necessary to ensure that stock is secured in a timely manner for the construction programme to be met. The Landscape Contractor should notify Newlands Developments with 2 weeks notice of when stock is to be selected for each phase so that their Landscape Consultancy: Barry Chinn Associates Ltd. www.bca-landscape.com can be invited to attend nursery stock selection meetings to approve stock selection.

The Landscape Contractor will carry out the works in accordance with the drawings and specification and notify the Newlands Developments of any discrepancies encountered on site.

The Landscape Contractor should obtain as built services/utilities information from the main contractor prior to commencement of works on site so that coordinate provision of underground or overhead services and utilities with the approved landscape scheme, such that tree or hedge positions are not compromised.

On completion of the landscape works for each phase, the Landscape Contractor will notify Newlands Developments and their Landscape Consultants will be invited to inspect the work and prepare a Practical Completion Review Report highlighting any outstanding areas of work or defects to be made good.

Practical completion

When the landscape works for each phase have been carried out in accordance with the drawings and specification, Newlands Developments Landscape Consultants will provide Notification of Practical Completion and the date of this notification will mark the beginning of the 12 months defects liability period.

12 months defects liability period

During this period, the Landscape Contractor will maintain each phase of landscape works in accordance with the schedule of maintenance year 1.

At the end of the first growing season of each phase following planting, or 4 weeks prior to the end of the defects liability period, Newlands Developments Landscape Consultants will inspect the site and record and provide a First Year Defects Liability Report on the condition of landscape works.

Making good defects

Newlands Developments and the Landscape Contractor will be provided with a copy of the Landscape Consultants report for each phase. Any defects arising shall be made good by the Landscape Contractor at the beginning of the next planting season for that phase.

For each phase the Landscape Consultant will make a final inspection and inform Newlands Developments when defects have been resolved by issue of Notification of Making Good Defects.

If the Main Contractor in carrying out any of the Contract has to disturb any existing soft landscape works they must first notify the Landscape Contractor who will provide a cost to remove and replant / replace the plant material or seeded area. If any completed landscape areas are disturbed by the Main Contractor without prior notification, the Landscape Contractor should notify Newlands Developments and provide a cost to remove and replant / replace the plant material or seeded area. Reinstatement must be to the original standard.

Viewing site during tender period

Refer to site protocol.

SECTION 2

PREAMBLES

Q28

TOPSOIL AND GROWING MEDIA

(Refer to Landscape Preparation & Topsoiling Specification document; 2267/22-SP02 referred to in Appendix A).

Q30

SEEDING/TURFING

GENERAL INFORMATION/REQUIREMENTS

- 105 TOPSOILING
- At the time of starting the seeding/turfing works all areas to be seeded or turfed will be covered by:
Either 150mm depth topsoil or undisturbed topsoil prepared as necessary by others.
- 107A SUITABILITY OF TOPSOILING
- If ground conditions are not suitable for seeding, the Landscape Contractor shall inform the Contract Administrator and obtain instruction accordingly.
- 115 SEEDED AND TURFED AREAS
- Growth and development: Healthy, vigorous grass sward, free from the visible effects of pests, weeds and disease.
 - Appearance: A closely knit, continuous ground cover of even density, height and colour.
- 121A CLIMATIC CONDITIONS
- General: Carry out the work while soil and weather conditions are suitable.
 - Appropriate seasons:
Grass seeding - mid-August to October and April to May.
Turfing - mid-September to mid-April.
 - The above periods may be subject to modification according to the prevailing weather conditions.
- 145 WATERING
- Quantity: Wet full depth of topsoil.
 - Application: Even and without displacing seed, seedlings or soil.
 - Frequency: As necessary to ensure the establishment and continued thriving of all seeding/turfing.
- 150 WATER RESTRICTIONS
- Timing: If water supply is or is likely to be restricted by emergency legislation do not carry out seeding/turfing until instructed. If seeding/turfing has been carried out, obtain instructions on watering.
- 160A NOTICE
- Give notice before:
 - Start on site
 - Setting out
 - Breaks from site
 - Re-commencement on site
 - Period of notice: 3 working days.
- 170 SETTING OUT
- Boundaries: Mark clearly.
 - Delineation: In straight lines or smoothly flowing curves as shown on drawings.

PREPARATION

- 205 PREPARATION MATERIALS
- General: Free from toxins, pathogens or other extraneous substances harmful to plant, animal or human life.
 - Certification of source, analysis, suitability for purpose and absence of harmful substances: Submit.
 - Certified materials: For each of the following materials submit a certificate giving supply source, content analysis, confirmation of suitability for purpose and confirmation of absence of harmful substances: herbicides, fertiliser, compost and grass seed..
Give notice: before ordering or using.
- 211B HERBICIDE FOR GRASSED AREAS
- Type: Suitable herbicide for suppressing of perennial weeds.
 - Timing: Allow a period of time to elapse, as recommended by the manufacturer, before commencing cultivation.
- 231 PEAT
- Peat or products containing peat: Do not use.
- 250 SOIL REQUIREMENTS
- Type:
 - Seeded areas: Soil for grass swards; as preparation and topsoil specification.
 - Turfed areas: Soil for grass swards, as preparation and topsoil specification .
 - Reinforced grass areas: As manufacturer's specification.
- 251 CULTIVATION
- Compacted topsoil: Break up to full depth.
 - Tilth: Reduce top 100 mm of topsoil to a tilth suitable for blade grading, particle size 10 mm (maximum) and remove all weed growth.
 - Material brought to the surface: Remove stones and clay balls larger than 50 mm in any dimension, roots, tufts of grass, rubbish and debris.
- 260 GRADING
- Topsoil condition: Reasonably dry and workable.
 - Contours: Smooth and flowing, with falls for adequate drainage.
 - Hollows and ridges: Not permitted.
 - Finished levels after settlement: 25 mm above adjoining paving, kerbs, manholes etc.
 - Blade grading: May be used to adjust topsoil levels provided depth of topsoil is nowhere less than 150mm .
 - Give notice: If required levels cannot be achieved by movement of existing soil.
- 275 FERTILIZER SEEDED AREAS
- Type: Pre-seeding.
 - Manufacturer: Scotts Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk, IP8 4BZ, Tel: 0871 220 5353, or similar approved.
 - Product reference: Pre-seeder fertiliser, 9+7+7, pre- seeding fertiliser or equivalent.
 - Application: Before final cultivation and three to five days before seeding/ turfing.
 - Rate: Spread evenly at 50 gms/m² in accordance with manufacturer's recommendations.
- 280 FINAL CULTIVATION
- Timing: After grading and fertilizing.
 - Seed bed: Reduce to fine, firm tilth with good crumb structure.
 - Depth: 25 mm.
 - Surface preparation: Rake to a true, even surface, friable and lightly firmed but not over compacted.
 - Remove surface stones/earth clods exceeding:

General areas: 30 mm.
Fine lawn areas: 10 mm.

- Adjacent levels: Extend cultivation into existing adjacent grassed areas sufficient to ensure full marrying in of levels.

SEEDING

313 GRASS SEED: GENERAL AMENITY GRASS AREAS

- Supplier: DLF Trifolium Ltd, Thorn Farm, Inkberrow, Worcestershire, WR7 4LJ.
Tel: 01386 791102.
- Mixture reference: PM 120 Slowgrowth .
- Application rate: 35-50g/m².
- Other requirements: to be sown in accordance with manufacturer's recommendations

314 SEED MIXTURE: ROUGH MOWN SPECIES RICH GRASSLAND AREAS

- Supplier: Camp Road, Witham St. Hughs, Lincoln, LN6 9QJ
Tel: 01522 868714.
- Mixture reference: Germinal WFG20 Eco Species Rich Lawn
- Origin (as defined in the National Plant Specification): Native UK.
- Application rate: 10g/m²
- Other requirements: to be sown in accordance with supplier's recommendations.

314A SEED MIXTURE: WILDFLOWER TO GENERAL AREAS

- Supplier: Emorsgate Seeds, Limes Farm, Tilney All Saints, King's Lynn, Norfolk ,PE34 4RT. Tel: 01553 829028.
- Mixture reference: EM1 Special General Purpose Meadow Mixture.
- Origin (as defined in the National Plant Specification): Native UK.
- Application rate: 4g/m²
- Other requirements: to be sown in accordance with supplier's recommendations.

314B SEED MIXTURE: WILDFLOWER TO PONDS/ SWALES/ ATTENUATION AREAS

- Supplier: Emorsgate Seeds, Limes Farm, Tilney All Saints, King's Lynn, Norfolk ,PE34 4RT. Tel: 01553 829028.
- Mixture reference: EM8 Meadow Mixture for Wetlands.
- Origin (as defined in the National Plant Specification): Native UK.
- Application rate: 4g/m²
- Other requirements: to be sown in accordance with supplier's recommendations.

314C SEED MIXTURE: WILDFLOWER TO WET MARGINAL AREAS WITHIN PONDS/ SWALES/ ATTENUATION AREAS

- Supplier: Emorsgate Seeds, Limes Farm, Tilney All Saints, King's Lynn, Norfolk ,PE34 4RT. Tel: 01553 829028.
- Mixture reference: EP1 Pond Edge Mixture.
- Origin (as defined in the National Plant Specification): Native UK.
- Application rate: 4g/m²
- Other requirements: to be sown in accordance with supplier's recommendations.

314D SEED MIXTURE: REINFORCED SURFACE WITH SPECIES RICH GRASS SEED MIX

- Supplier: Emorsgate Seeds, Limes Farm, Tilney All Saints, King's Lynn, Norfolk ,PE34 4RT. Tel: 01553 829028.
- Mixture reference: EN1F Special Pollen & Nectar Wild Flowers
- Origin (as defined in the National Plant Specification): Native UK.
- Application rate: 1.5g/m²
- Other requirements: to be sown in accordance with supplier's recommendations.

319 QUALITY OF SEED: FOR ALL SEEDED AREAS

- Freshness: Produced for the current growing season.
- Certification: Blue label certified varieties.
- Standard: EC purity and germination regulations.
- Official Seed Testing Station certificate of germination, purity and composition: Submit when requested.
- Samples of mixtures: Submit when requested.

330A SOWING

- General: Establish good seed contact with the root zone to promote healthy, consistent growth.
- Method: To suit soil type, proposed usage, location and weather conditions during and after sowing.
- Distribution: Seeding shall be carried out in two equal sowings in transverse directions at the overall rate per square metre specified on the contract drawings..
- Lightly harrow or rake after seeding.

333 SOWING SEASON

- Sow seed in calm weather during April to October.
- Sowing of seed shall take place during suitable calm weather conditions as soon as areas become available between the specified dates.
- Seeding shall not be carried out when persistent cold or drying winds are likely to occur or soil is frost bound, waterlogged or excessively dry.

335 GRASS SOWING SEASON

- Grass seed generally: April to October.

336 WILDFLOWER SOWING SEASON

- Wildflower seed generally: March to May or August to October.

352 EDGES TO SEEDED AREAS ADJACENT TO PLANTING BEDS AND TREE PITS

- Timing: After seeded areas are well established.
- Edges: Clean straight lines or smooth curves.
- Mulch and soil: Draw back to permit edging.
- Arisings: Remove.
- Completion: Respread soil and mulch.

370A HYDRAULIC SEEDING FOR STEEP SLOPES (>1:3 gradient)

- Seed mixture (subject to location TBC)
- Slurry application: Suitable for soil type, proposed use, location, and weather conditions during and after application.
- Slurry constituents: Submit proposed constituents and application rates.
- Other requirements: Application in accordance with supplier's recommendations.

PROTECTING/CUTTING

530A FIRST CUT OF AMENITY GRASS VERGE AREAS

- Timing: When grass is reasonably dry.
- Height of initial growth: 50-75mm.
- Preparation:
- Debris and litter: Remove.
- Stones and earth clods larger than 25 mm in any dimension: Remove
- Height of first cut: 30mm.
- Mower type: Landscape Contractor choice.
- Arisings: Remove excessive from site.

- 540 FIRST CUT OF WILDFLOWER SEEDED AREAS
- Height of initial growth: In accordance with supplier's recommendations dependant on species composition and establishment.
 - Preparation:
 - Debris and litter: Remove.
 - stones and earth clods larger than 25 mm in any dimension: Remove
 - Height of first cut: In accordance with supplier's recommendations.
 - Mower type: Landscape Contractor choice.
 - Arisings: Remove excessive from site.
- 590 CLEANLINESS
- Soil and arisings: Remove from hard surfaces.
 - General: Leave the works in a clean, tidy condition at Completion and after any maintenance operations.

MAINTENANCE

MAINTENANCE GENERALLY

The Contractor shall physically maintain the whole of the soft landscape works within the contract boundaries in accordance with the Contract Documentation. The period of maintenance will be as stated in the contract. REFER TO SECTION Q35 FOR DETAILS OF MAINTENANCE

- 605B MAINTENANCE UP TO COMPLETION
- Duration: From the completion of seeding and turfing until the date of Completion.
 - All turfed and seeded areas shall be maintained in accordance with the requirements of section Q35 entirely at Landscape Contractor expense until completion.
- 606 MAINTENANCE
- Duration: Carry out the operations in section Q35 from completion of seeding/turfing for the period stated in the contract.
- 610A FAILURES OF SEEDING/TURFING
- Defective materials or workmanship: Areas that have failed to thrive.
 - Exclusions: Theft or malicious damage.
 - Method of making good: Recultivation and reseeding/ returfing.
 - Timing of making good: Submit proposals.

Q31

EXTERNAL PLANTING

GENERAL INFORMATION/ REQUIREMENTS

GENERALLY

- The whole of the works shall be executed in an efficient and workmanlike manner to the satisfaction of the Project Manager.
- All materials and workmanship shall be in accordance with the appropriate current British Standard except where otherwise stated.

112A SITE CLEARANCE GENERALLY

- General: Remove rubbish, concrete, metal, glass, decayed vegetation and contaminated topsoil.
- Stones: Remove those with any dimension exceeding 50 mm.
- Contamination: Remove material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.
- Vegetation: Clear surface vegetation in areas shown on drawings using suitable Non-residual herbicide.
- Additional requirements: Apply a suitable non-residual herbicide to all areas to be planted if necessary.

113A CLEARANCE OF VEGETATION

- Where trees or shrubs are to be removed, felling shall be the complete removal of the tree, including the mechanical removal of the stump. In confined or restricted spaces, trees to be felled shall be dismantled.
- The Landscape Contractor shall inform the Contract Administrator of their appointed Arboriculturalist prior to carrying out of these operations.

115 SITE CLEARANCE FOR AQUATIC/ MARGINAL PLANTING

- Clearance:
 - General: Remove loose debris and rubbish.
 - Contamination: Remove material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.
- Vegetation/ Algae: Clear vegetation/ algae by hand.
- Additional requirements: Apply suitable herbicide if necessary subject to project ecologist agreement.

116 TOPSOIL

- At the time of starting the subcontract work, the areas to be planted will be covered by either:
Undisturbed topsoil prepared as necessary by others so that it is in a suitable state for the cultivation operations specified in this section, or
Topsoil:
 - 150mm depth to grass areas,
 - 300mm depth to woodland, hedge and thicket planted areas,
 - 300mm depth to ornamental shrub planted areas.Supplied and spread by others prior to commencement of the Soft Landscape Works.

117A SUITABILITY OF TOPSOILING

- If ground conditions are not suitable for planting, the Landscape Contractor shall inform the Contract Administrator and obtain instruction accordingly.

- 118 SOIL CONDITIONS
- Soil for cultivating and planting: Moist, friable and (except in aquatic/ marginal planting) not waterlogged.
 - Frozen or snow covered soil: Give notice before planting. Provide additional root protection. Prevent planting pit sides and bases and backfill materials from freezing.
- 119A SETTING OUT OF WORKS
- The Main Contractor shall have set out tree positions in accordance with the preparation and topsoiling drawings. The Landscape Contractor shall set out specimen shrub positions and shrub areas in accordance with the soft landscape layout. Where not dimensioned on plan scaled dimensions may be used.
 - Setting out shall be agreed with the Contract Administrator prior to planting.
- 126A TIMES OF YEAR FOR PLANTING
- Carry out the work while soil and weather conditions are suitable for the relevant operations. Do not plant during periods of frost or strong winds. Plant during appropriate seasons which will be considered as follows:
 - Deciduous trees and shrubs: November to late March.
 - Conifers and evergreens: September/ October or April/ May.
 - Herbaceous plants (including aquatic and marginal): September/ October or March/ April.
 - Container grown plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided.
- 130 MECHANICAL TOOLS
- Restrictions: Do not use within 100 mm of tree and plant stems.
- 131 MECHANICAL TOOLS
- Restrictions: 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.
- 140A APPROVED CHEMICALS
- Use of chemicals shall comply with the Plant Protection Products (Sustainable Use) Regulations 2012 and Codes of Practice prepared jointly by the Department for Environment, Food and Rural Affairs (DEFRA), the Health and Safety Commission (HSC) and the National Assembly for Wales Environment, Planning and Countryside Department.
 - All herbicides shall be on the current list of approved products. Storage, handling and application of chemicals shall be in accordance with the manufacturers instructions.
 - The Landscape Contractor shall be responsible for any damage caused by spray drift and will make good at own expense.
- 145 WATERING
- Quantity: Wet full depth of topsoil.
 - Application: Even and without damaging or displacing plants or soil.
 - Frequency: As necessary to ensure establishment and continued thriving of planting.
- 150 WATER RESTRICTIONS
- General: 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.
- 151B WATER SUPPLY
- The Landscape Contractor shall be responsible for making all necessary arrangements for providing water to the site and shall make all necessary arrangements with local water authority, tenant or landlord for use and payment.
 - The Landscape Contractor to provide all equipment required for watering landscape areas.

160A NOTICE

- Give notice before:
 - Start on site.
 - Setting out.
 - First delivery of plants/ trees.
 - Breaks from site.
 - Re-commencement.
- Period of notice: 3 working days.

165 PREPARATION, PLANTING AND MULCHING MATERIALS

- General: Free from toxins, pathogens or other extraneous substances harmful to plant, animal or human life.
- Certification of source, analysis, suitability for purpose and absence of harmful substances: Submit.
- Certified materials: Spent mushroom compost.
- Give notice before ordering or using.

200 PLANTS/ TREES - GENERAL

- Condition: Materially undamaged, sturdy, healthy and vigorous.
- Appearance: Of good shape and without elongated shoots.
- Hardiness: Grown in a suitable environment and hardened off.
- Health: Free from pests, diseases, discoloration, weeds and physiological disorders.
- Budded or grafted plants: Bottom worked.
- Root system and condition: Balanced with branch system.
- Standard: The National Plant Specification.
- Species: True to name.
- Origin/ Provenance: As plant schedule.
- Definition: Origin and Provenance have the meaning given in the National Plant Specification.

215 PLANTS/ TREES - SPECIFICATION CRITERIA

- Name, forms, dimensions, provenance and other criteria: As scheduled and defined in the National Plant Specification.

221B SEMI MATURE TREES SUPPLY

- To BS 4043, sizes and other criteria as scheduled.
- Trees are to be selected and tagged by Newlands Group Landscape Consultant in the presence of the Landscape Contractor.
- The Landscape Contractor shall arrange for supply and delivery of trees as required and shall make all necessary allowance for offloading etc.
- Supplier: One or a combination of the following:
 - **Lorenz von Ehren**, Maldfeldstrasse 4, 21077 Hamburg, Germany. Tel: 004940761080,
 - **Deepdale Trees Limited**, Tithe Farm, Hatley Road, Potton, Sandy, Bedfordshire, SG19 2DX. Tel: 01767 262636,
 - **Hillier Nurseries Limited**, Ampfield House, Ampfield, Romsey, Hampshire, SO51 9PA. Tel: 01794 368733.
 - Or similar approved.
 - Other requirements: The Landscape Contractor is to provide notification of which supplier is used on all stock.

223 SEMI-MATURE TREES GENERALLY

- Semi-mature trees shall in general terms have a stem girth range of 20 to 75cm at one metre above ground level, overall height range of 6 to 15m and rootball diameter range of 0.8 to 2.5m.
- They are all at an advanced stage of growth and of such a size and weight that special lifting equipment and techniques are required when they are transplanted
- When several specimens of the same species are to be selected, evenness of shape and

size will be required within the size range specified.

224A SEMI-MATURE TREES SPECIFICATION

- Refer to the contract drawings for exact tree specification (stem girth, height and spread, rootball diameter and depth, times transplanted on the nursery).
- Trees shall have a well-established fibrous root system within the confines of the rootball. Trees shall have a well-balanced canopy of branches. Only specimens which have a well defined, single central leader which is reasonably straight and upright will be accepted, unless a single straight leader is uncharacteristic of the habit of a particular species.
- Trees will be free from disease, defects and damage and will be in a healthy condition on arrival at the site. They shall be correctly top and root pruned.

235 CONTAINER GROWN PLANTS/ TREES

- Growing medium: With adequate nutrients for plants to thrive until permanently planted.
- Plants: Centred in containers, firmed and well watered.
- Root growth: Substantially filling containers, but not root bound, and in a condition conducive to successful transplanting.
- Hardiness: Grown in the open for at least two months before being supplied.
- Containers: With holes adequate for drainage when placed on any substrate commonly used under irrigation systems.

245A LABELLING AND INFORMATION

- General: Provide each plant/ tree or group of plants/ trees of a single species or cultivar with supplier's labelling for delivery to site, showing:
 - Full botanical name.
 - Total number.
 - Number of bundles.
 - Part bundles.
 - Supplier's name.
 - Plant specification, in accordance with scheduled National Plant Specification categories.

250 SUPPLY OF PLANTS/TREES

- Suppliers: Members of the Horticultural Trades Association Nursery Certification Scheme.

251A SUPPLY OF PLANTS, APPROVED SUPPLIERS

- **All trees, shrubs and transplants shall be obtained from the following approved suppliers unless stated otherwise:**
Extra Heavy Standard, Heavy Standard, Standard and Feathered Trees shall be obtained from:
 - **Deepdale Trees Ltd.**, Stable Block, Hazel Hall Farm, Everton, Sandy, Bedford, SG19 2LU (Tel. No. 01767 262636);
 - **Crowders Nurseries Ltd.**, Horncastle Lincs. LN9 5LZ (Tel. No. 01507 525000);
 - **Hillier Nurseries (Winchester) Ltd.**, Ampfield House, Ampfield, Romsey, Hants. SO51 9PA (Tel. No.01794 368733)
- **Shrubs, Hedging, Climbers, Herbaceous Plants and Transplants shall be obtained from:**
 - **Johnsons of Whixley Ltd.**, Whixley, York, Yorkshire, YO5 8AQ (Tel. No. 01423 330234);
 - **Crowders Nurseries Ltd.**, Lincoln Road, Horncastle, Lincolnshire, LN9 5LZ (Tel. no. 01507 525000);
 - **Bonningale Nurseries**, Holyhead Road, Albrighton, Wolverhampton, WV7 3AT (Tel. no. 02476 470282).
 - Or Similar Approved.Other requirements: Landscape Contractor is to provide notification of which supplier is to be used for all stock.

- 255 PLANTS/ TREES RESERVED AT SUPPLIER'S PREMISES
- Types/ Species: As plant schedule.
 - Predelivery inspection: Give notice.
 - Labelling: Identify inspected plants/ trees as reserved for use on this project.
- 261A PLANT/TREE SUBSTITUTION
- Plants/ trees unobtainable or known to be likely to be unobtainable at time of ordering: Submit alternatives, stating:
 - Difference from specified plants/ trees.
 - Further alternatives: Proposed substitutions may not be acceptable and submission of further alternatives may be required.
 - Approval: Obtain before making any substitution.
 - Any plant found during the maintenance/defects liability period to be of the wrong variety shall be replaced with the correct variety at the Landscape Contractor expense.
- 266A PLANT/TREE HANDLING, STORAGE AND TRANSPORT
- Standard: To HTA '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.
 - Frost: Protect plants/ trees from frost.
 - Handling: Handle plants/ trees with care. Protect from mechanical damage and do not subject to shock, e.g. by dropping from a vehicle.
 - Plant packaging: Coextruded polyethylene bags with black interior and white exterior. Packaging of bulk quantities: Pallets or bins sealed with polyethylene and shrink wrapped.
 - If plants suffer slight damage, they are to be carefully pruned. If major damage has occurred the plant shall be rejected and replaced at Landscape Contractor expense.
 - After delivery, if planting is not carried out immediately, root balled shrubs should be placed cheek to cheek and the root ball covered with sand, peat or straw and watered to prevent drying out.
 - Bare-rooted plants should be heeled-in by pacing the roots in a prepared trench and covering them with top-soil, which should be watered thoroughly to eliminate air pockets around the roots.
 - The security and tidiness of the area set aside for heeling in shall be the responsibility of the Landscape Contractor. If planting is delayed for more than a week after delivery, packaged plants shall be unpacked, the bundles opened up and each groups of plants heeled-in separately and clearly labelled.
- 270 PLANTING GENERALLY
- Standard: To HTA 'Handling and establishing landscape plants' (obtainable from the Horticultural Trades Association) Part III, paragraphs 6.2 to 6.6.
 - Appearance: Plant upright or well balanced with best side to front.
- 280 TREATMENT OF TREE WOUNDS
- Cutting: Keep wounds as small as possible.
 - Cut cleanly back to sound wood using sharp, clean tools. Leave branch collars. Do not cut flush with stem or trunk. Set cuts so that water will not collect on cut area.
 - Fungicide/ Sealant: Do not apply unless instructed.
- 285 PROTECTION OF EXISTING GRASS
- General: Protect areas affected by planting operations using boards/ tarpaulins.
 - Excavated or imported material: Do not place directly on grass.
Duration: Minimum period.
- 290A SURPLUS MATERIAL
- Wrapping material, canes, ties, temporary labelling, rubbish, prunings and other arisings: Remove.

PREPARATION OF PLANTING BEDS/ PLANTING MATERIALS

- 300 HERBICIDE TO CLEAR OVERGROWN BEDS
- Locations: All planting areas.
 - Type: Suitable for suppressing perennial weeds.
 - Timing: Allow fallow period before cultivation.
 - Duration (minimum): As manufacturer's recommendation.
- 341 PEAT
- Peat or products containing peat: Do not use.
- 357 SOIL AMELIORANT/ CONDITIONER TO PLANTED AREAS
- Locations: All planting areas as identified on contract drawings.
 - Type: Mushroom compost or composted bark dependent on soil report recommendations.
 - Reference/ Description/ Grading: sample to be provided for approval.
 - Application: Spread evenly.
 - Timing: Apply prior to cultivation.
 - Rate: 25-50 mm thick layer.
- 375 CULTIVATION
- Compacted topsoil: Break up to full depth.
 - Cultivation: Loosen, aerate and break up soil into particles of 2-8 mm.
 - Depth: 200 mm.
 - Timing: Within a few days before planting.
 - Weather and ground conditions: Suitably dry.
 - Surface: Leave regular and even.
 - Levels: As drawings.
 - Undesirable material brought to the surface: Remove visible weeds, roots and large stones with any dimension exceeding 50 mm in any dimension.
 - Soil within root spread of trees and shrubs to be retained: Do not dig or cultivate.
- 382 FINAL GRADING
- When topsoil is reasonably dry and workable it shall be graded to smooth, flowing contours, with falls, for adequate drainage, removing all minor hollows and ridges.

PLANTING SHRUBS/ HERBACEOUS PLANTS/ BULBS

- 400A PLANT LAYOUT TO ALL BEDS
- Spacing: Evenly, making allowances for the overlapping of adjacent groups.
 - Density: as indicated on the drawings.
- 402 PLANTING GENERALLY
- All plants shall be pit planted in accordance with BS 4428 in existing topsoil concurrently with cultivation.
- 405 SHRUB PLANTING PITS
- Timing: Excavate 1-2 days (maximum) before planting.
 - Sizes: 150 mm wider than roots when fully spread and 200 mm deep.
 - Pit bottom improvement Break up to a depth of 150 mm, incorporating soil ameliorant/conditioner as clause 357.
- 407A PLANTING
- Before planting non-perishable containers shall be removed and badly damaged roots shall be carefully pruned.
 - Plants shall be planted upright or well balanced with best side to the front. Topsoil shall be carefully returned to the planting pit, packing around evenly spread roots or root-ball and heeled firmly but gently in. The finished level shall be at the original soil mark on shrubs

and 30mm above surrounding levels to allow for settlement.

- Shrubs which are not self-supporting shall be supported using sawn or riven timber stakes 1500mm long and not less than 50mm square in section pressure treated with non-injurious timber preservative to BS 4072. The stake shall be driven at least 600mm into the ground below the planting pit and shall be upright. Suitable Toms ties and spacers shall be used, positioned to suit the individual shrub. The stake will terminate some 75mm below the total height of the shrub and will be cut off neatly and square.

420A CLIMBING PLANTS

- Planting: 150 mm clear of supporting structure (e.g. wall/ fence) with roots spread outward.
- Branches: Lightly secured to supports.
- Retain canes of plants which are too small to reach supports.
- Climber supports: as specified on drawings.

435A CLIMBING PLANTS USED AS GROUND COVER

- Planting:
- Canes or other supports: Remove.
- Arrangement: Spread stems.

470 FORMAL HEDGES

- Shrubs for hedges: Consistent in species, cultivar and clone to ensure a uniform hedge.
- Planting: In trenches large enough to take full spread of roots. Set out plants evenly.

471 NATURALIZED HEDGES

- Planting: In trenches large enough to take full spread of roots. Set out plants evenly.

477 SHRUB, HERBACEOUS AND BULB BACKFILLING MATERIAL

- Composition: Previously prepared mixture of topsoil excavated from pit and additional topsoil as required:
- Ameliorant/ Conditioner: Eco Tree and Shrub Compost supplied by Eco Sustainable Solutions Ltd, Chapel Lane, Parley, Christchurch, Dorset, BH23 6BG. Tel: 01202 593601) or similar approved.
- Application rate: To suit soil report recommendations.
- Fertilizer: Slow release - Scotts Pre-planting Fertiliser 3+16+9 +5%MgO or similar approved.
- Application rate: To manufacturer's/ supplier's and soil report recommendations.

480B AFTER PLANTING

- Watering: If necessary immediately after planting, thoroughly and without damaging or displacing plants or soil.
- Firming: Lightly firm soil around plants and fork and/ or rake soil, without damaging roots, to a fine tilth with gentle cambers and no hollows.

481 PRUNING AFTER PLANTING

- Upon completion of planting work, all plants shall be inspected for damage and pruning shall be carried out.
- The pruning shall be limited to the minimum necessary to remove dead or damaged twigs or branches or to compensate for the loss of roots and the results of transplanting operations.
- Pruning shall be carried out in such a manner so as not to change the natural habit or shape of the plant. All cuts shall be made flush leaving no stubs.

485B MULCHING ORNAMENTAL PLANTING BEDS

- Material: Ornamental bark mulch, grade: Contract Ornamental 5-35mm supplied by: Amenity and Horticultural Services, Coppards Lane, Northiam, East Sussex, TN31 6QP. Tel: 01797 252728.
- Purity: Free of pests, disease, fungus and weeds.

- Preparation: Clear all weeds. Water soil thoroughly.
- Coverage: 50 mm depth.
- Mulch depth to be reduced as appropriate for areas of low ground cover/herbaceous planting - foliage of plants must not be covered with mulch.
- Finished level of mulch: 30 mm below adjacent grassed or paved areas.

486A SHRUB PROTECTION AGAINST RABBITS

Where specified on drawings certain shrubs may be identified as requiring protection from rabbit damage. Refer to Clause 596 for specification.

- General: Ensure that protection methods do not impede natural movement of shrubs or restrict growth.

PLANTING TREES

500 ANTIDESICCANT FOR CONIFERS/ EVERGREENS

- Manufacturer: Submit proposals.
- Product reference: Submit proposals.
- Application: Dip in or thoroughly spray before delivering to site. Spray again soon after planting.
- Do not apply in wet or frosty weather.
Ensure full coverage of underside of foliage.

505A TREE PITS

(To be installed by the Main Contractor in accordance with the preparation and topsoiling drawings).

- Backfilling material: Tree backfilling material as specified in clause 586.
- Accessories: As shown on drawings. (Tree pits are to be tested for free drainage and if required positive drainage shall be installed in accordance with the requirements of clause 516A by the Main Contractor).
- If tree pits are not free draining, the Landscape Contractor shall inform the Contract Administrator and obtain instructions accordingly.

507B SEMI-MATURE TREE PITS

- Tree pits shall be re-excavated immediately prior to planting of semi-mature trees.
- Backfilling material: The tree pits to be backfilled with sufficient backfill material as specified in clause 588 so that the original soil surface level on top of the rootball is flush with the surrounding soil surface.
- Watering system: Semi-mature trees shall have a watering/aeration system incorporated around their rootballs in accordance with the detail on drawings
- Accessories: As shown on drawings.

509 PROTECTION OF SEMI-MATURE TREE PITS

- All excavated tree pits must be rendered safe whether close to public thoroughfares or not and must not be left open and unmarked.

510A TREE PIT ROOT BARRIERS

- Locations: To be installed by the Main Contractor, if identified as required to protect paving or underground services.

516A TREE PIT DRAINAGE

- To be installed by the Main Contractor where shown on drawings/ schedules and if required following flood testing of tree pits as clause 505A.

525 SEMI MATURE TREES

- Standard: Prepare roots and transplant to BS 4043.
- Backfilling material: As clause 585.
- Support: Underground guying to BS 4043 as shown on drawings.
- Protection: Not required.

527A SEMI-MATURE TREE PLANTING

- The Landscape Contractor must be satisfied as to the accessibility of tree planting locations and make allowances in his rates and prices accordingly. The Landscape Contractor must take all reasonable precautions to prevent damage to roads, kerbs, footways, verges, etc., by plant or machinery during delivery, unloading and planting operations.

528A SEMI-MATURE TREE LIFTING AND DELIVERY

- Trees will be lifted and transplanted using an appropriate mechanical method.
- Trees delivered to site with rootballs which have become broken, or which have become unprotected during transit from drying out, pollution or exposure to frost will be rejected.
- The canopies of trees will be securely tied and protected from damage during transit. Trees which have been damaged during lifting and delivery so that the balanced shape of the canopy of branches, the leading shoot or a large area of bark is lost will be rejected. Any slight damage shall be carefully pruned in accordance with good arboricultural practice.
- The Landscape Contractor will be required to remove all rejected material from site and to replace this with semi-mature stock of equivalent quality to that originally selected in the nursery, at no extra cost.

529A PLANTING SEMI-MATURE TREES

- Trees are to be planted without delay following arrival on site. Branches shall be untied and the location of each individual tree shall be directed on site by the Contract Administrator. according to the shape of individual trees and groupings for particularly high profile areas of landscape (to be agreed on commencement of landscape work).
- The method of unloading and planting the trees must include the use of all necessary guards, protective padding, etc., to ensure that trees are not damaged by this operation.

530 SEMI-MATURE CONIFERS

- Conifers shall be thoroughly sprayed with anti-desiccant before delivery to site. Another application shall be made soon after planting.
- Applications shall not be made in rainy or frosty weather. Ensure full coverage of underside of foliage.

531A WATERING OF SEMI-MATURE TREES

- Each tree shall be thoroughly watered in after planting. Any settlement of soil caused by the watering operation is to be made up with the addition of further backfill material.
- After watering a 50mm layer of bark mulch shall be spread around each trees to a 1000mm diameter

532A UNDERGROUND GUYING

- Semi-mature trees and conifers shall be underground guyed in accordance with the details shown on drawings.

535 STAKING GENERALLY

- Stakes: Softwood, peeled chestnut, larch or oak, straight, free from projections and large or edge knots and with pointed lower end.
- Preservative treatment: To provide a 20 year service life.
- Nails: To BS 1202-1, galvanized, minimum 25 mm long and with 10 mm diameter heads.
- Stake size (minimum): 75 mm diameter and sufficiently long to allow 600mm of stake to be driven into undisturbed ground at bottom of tree pit.

535B STAKING GENERALLY

- All staking is to be in accordance with tree pit/staking drawings.
- Stakes: Softwood, peeled chestnut, larch or oak, straight, free from projections and large or edge knots and with pointed lower end.
- Preservative treatment: To provide a 20 year service life.
- Nails: To BS 1202-1, galvanized, minimum 25 mm long and with 10 mm diameter heads.

- Stake size (minimum): 75 mm diameter and sufficiently long to allow 600mm of stake to be driven into undisturbed ground at bottom of tree pit.
- 555 SHORT SINGLE STAKING FOR BARE ROOTED HEAVY STANDARD, STANDARD AND FEATHERED TREES
- Staking: Position stake close to tree on windward side and drive vertically at least 300 mm into bottom of pit before planting.
 - Backfilling: Consolidate material around stake
 - Height of stakes: Cut to approximately 600 mm above ground level.
 - Ties: Toms stretch rubber belt Ref: UR1, 25mm wide and rubber spacer pad between stake and tree or similar approved as shown on drawing.
 - Tying: Secure tree firmly but not rigidly to stake with one tie within 25 mm of top of stake.
- 560 SINGLE ANGLED STAKING FORMULTI-STEMMED AND CONIFEROUS TREES
- Staking: Position stake at edge of tree pit, opposite to windward side and drive at an angle at least 300 mm into bottom of pit before planting.
 - Backfilling: Consolidate material around stake
 - Height of stakes: Cut to length to suit canopy of tree to allow a minimum of 100mm of stake to project beyond tree tying position.
 - Ties: Toms tree tie belt Ref: UR1, 25mm wide and rubber spacer pad between stake and tree or similar approved as shown on drawing.
 - Tying: Secure tree firmly but not rigidly to stake with one tie within 50-100 mm of top of stake.
 - The position of the stake relative to the branches on trees shall be such that main stem or side branch contact will not occur. Minor branches may be cleanly cut off from the main stem to facilitate this.
- 576A SHORT DOUBLE STAKING FOR EXTRA HEAVY STANDARD TREES
- Refer to detail on drawings.
 - Staking: Drive 75mm round section stakes vertically at least 600mm into bottom of pit on either side of tree position before planting. Location of stakes to be outside rootball.
 - Backfilling: Consolidate material around stakes.
 - Height of stakes: Cut to approximately 800mm above soil level of tree rootball.
 - Timber rail dimensions: 900mm x 90mm x 40mm, fixed to timber stakes with 2no. galvanised nails (100mm x 4.5mm) per stake, hammered in at opposite angles.
 - Tree to be secured to rail with Extra Large Block (supplied by: Toms Tree Ties Ltd, Product Ref: L1), held in place with 2no. 25 x 3mm galvanised nails to be hammered in at opposite angles. (Toms Tree Ties Ltd., 7 Marley Farm, Headcorn Road, Smarden, Ashford, Kent TN27 8PJ)..
 - Orientation to suit site layout is to be confirmed. Where trees are situated in formal groups or avenues orientation and lengths of cross bars are to be the same.
- 586 TREE BACKFILLING MATERIAL
- Composition: Previously prepared mixture of topsoil excavated from pit and additional topsoil as required.
 - Ameliorant/ Conditioner: Eco Tree and Shrub Compost supplied by Eco Sustainable Solutions Ltd, Chapel Lane, Parley, Christchurch, Dorset, BH23 6BG. Tel: 01202 593601) or similar approved.
 - Application rate: To manufacturer's/ supplier's recommendations.
 - Fertilizer: Slow release - Scotts Pre-planting Fertiliser 3+16+9 +5%MgO or similar approved in accordance with manufacturer's recommendations.
 - Application rate: To suit soil report recommendations.
- 588A SEMI-MATURE TREE BACKFILLING MATERIAL
- Backfilling around the rootball should be carried out using the specified backfill material which should be consolidated by foot firming in 250mm layers.
 - The backfill material for semi-mature tree pits shall consist of:

25% Eco Tree and Shrub Compost supplied by Eco Sustainable Solutions Ltd, Chapel Lane, Parley, Christchurch, Dorset, BH23 6BG. Tel: 01202 593601) or similar approved. Sand should be added by Infrastructure/Building Contractor if specified on drawings and conditions dictate.

75% on site topsoil,

300 gms of Slow release - Scotts Pre-planting Fertiliser 3+16+9 +5%MgO or similar approved in accordance with manufacturer's recommendations.

- The trees shall be supported in a vertical positions whilst backfilling takes place.
- At completion of the backfill operation any remaining topsoil shall be evenly spread over the shrub beds.

589A WATERING

- If necessary, trees shall be watered thoroughly immediately after backfilling.

596A RABBIT PROTECTION TO TREES

- Refer to drawing.
- Manufacturer: Acorn Planting Products (or similar approved).
- Product reference: Spiral Guard..
- Type: Spiral.
- Material: HDPE.
- Size: 0.6 m high x 50 mm diameter or greater to suit girth of tree.
- Colour: Brown.
- Support: 900mm Bamboo Cane (300mm below ground level).
- General: Ensure that protection methods do not impede natural movement of trees or restrict growth.

WOODLAND/ THICKET/ NATIVE HEDGE PLANTING

600 WOODLAND WORK GENERALLY

- Services: 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.
- Safety: Comply with Arboriculture and Forestry Advisory Group Safety leaflets.

601 PRIOR TO PLANTING

- Plant material shall be immersed in Broadleaf Root Dip solution (or similar approved) to manufacturer's recommendations immediately prior to planting.

605 EXISTING VEGETATION/ WEED CLEARANCE

- Surface vegetation clearance: In areas shown on drawing, using suitable non residual herbicide.
- Arisings: Remove.

632A PIT PLANTING OF WHIPS AND TRANSPLANTS

- Excavate not more than 1day before planting and retain topsoil for re-use where specified.
- Sizes: Planting hole shall be 150mm wider than root spread and 200mm greater than the depth of the root system.
- Break up bottoms of tree pits to a depth of 150mm at planting
- Backfilling material: topsoil as excavated from pit.

680 SETTING OUT

- Planting density: As drawings.
- Layout: Random groups of no less than 3 or more than 7 of the same species, ensuring that no three plants are aligned in any one direction.

685A RABBIT PROTECTION TO WHIPS AND TRANSPLANTS

- Manufacturer: Contractors choice (to be approved)
- Type/Material: Biodegradable plastic

- Size: 0.6 m high x 120 mm diameter or greater to suit size of plants if particularly bushy. 300mm solid plastic film base offering protection against spray and pesticide application. Open mesh top for light and aeration.
- Colour: Green
- Support: Stake: 900x32x32mm (400mm below ground level). Mesh secured to stake using minimum of two plastic cable ties.
- General: Ensure that protection methods do not impede natural movement of trees or restrict growth.

PROTECTING/ MAINTAINING/ MAKING GOOD DEFECTS

The Landscape Contractor shall physically maintain the whole of the soft landscape works within the contract boundaries in accordance with the Contract Documentation. The period of maintenance will be as stated in the contract. REFER TO SECTION Q35 FOR DETAILS OF MAINTENANCE

705A MAINTENANCE WORKS

- Maintenance works to External Planting are specified in: Section Q35.
- Landscape Contractor should refer to this for all operations that are to be carried out during the specified maintenance period.

707A MAINTENANCE PRIOR TO COMPLETION

- Landscape Contractor shall physically maintain the planted areas prior to completion at his own expense unless otherwise agreed with the Project Manager.
- Maintenance shall include all of the works that are specified in section Q35 to keep areas in an acceptable condition prior to be accepted for handover.
- Landscape Contractor shall be responsible for any watering of planted areas prior to completion.

710A MAINTENANCE

- Duration: Carry out the operations in Section Q35 from completion of planting until completion.
- Frequency of maintenance visits: Fortnightly during growing season or as dictated by the season.

720 FAILURES OF PLANTING

- Defects due to materials or workmanship not in accordance with the Contract: Plants/ trees/ shrubs that have failed to thrive.
- Exclusions: Theft or malicious damage after completion.
- Rectification: Replace with equivalent plants/ trees/ shrubs.
- Replacements: To match size of adjacent or nearby plants of same species or match original specification, whichever is the greater.
- Timing of making good: During the next suitable planting season.

721A DEFECTS LIABILITY

- Any defects which appear within the Defects Liability Period and which are due to materials and workmanship not in accordance with the Contract Documentation shall be made good or replaced by the Landscape Contractor at their own cost.

722A DEFECTS INSPECTION BY LANDSCAPE CONTRACTOR

- The Landscape Contractor shall independently make an inspection to ascertain works required under Defects Liability. These works shall be carried out just prior to twelve months after the Date of Completion for tree planting, planted and grassed areas.

723A MAKING GOOD DEFECTS

- The Landscape Contractor shall arrange a Making Good of Defects inspection with Newlands Developments Landscape consultant, to take place immediately after the completion of these works.

- At the Making Good of Defects inspection, all areas shall be complete, in good order and in a tidy condition; grass shall be mown and edges edged; planted areas and areas at the base of trees shall be weed free, tidy and in a friable state.

740 CLEANLINESS

- Soil and arisings: Remove from hard surfaces and grassed areas.
- General: Leave the works in a clean tidy condition at completion and after any maintenance operations.

Q35

LANDSCAPE MAINTENANCE

GENERALLY

101A MAINTENANCE PERIOD

- The whole of the works are to be maintained for a period as stated in the contract documents.

106A SCOPE OF MAINTENANCE

- Maintenance shall include all operations to keep the works in good order and in tidy condition until areas are inspected, authorised and handed over.
- The number of maintenance visits and operations will be sufficient to ensure that all of the specified operations are carried out.
- A visit be defined as the period of time required by Landscape Contractor to carry out all of the maintenance items specified below.

110 NOTICE

- Give notice before:
 - Application of herbicide.
 - Application of fertilizer.
 - Watering.
 - Each site maintenance visit.
- Period of notice: 7 days.

130A REINSTATEMENT

- Damage or disturbance to soil structure, planting, grass: Reinstate to original condition.

155 WATERING

- Supply: to be confirmed.
- Quantity: Wet full depth of topsoil .
- Application: Do not damage or loosen plants.
- Compacted soil: Loosen or scoop out, to direct water to rootzone.
- Frequency: As necessary for the continued thriving of all planting.

160 WATER RESTRICTIONS

- General: If water supply is, or is likely to be, restricted by emergency legislation, submit proposals for an alternative suitable source of water. Obtain instructions before proceeding.

170 DISPOSAL OF ARISING

- General: Unless specified otherwise, dispose of arisings as follows:
 - Biodegradable arisings: Place on site at agreed location or Remove to recycling facility.
 - Grass cuttings: Place on site in agreed location or Remove to recycling facility.
 - Tree roots and stumps: Place on site in agreed location or Remove from site.
 - Shrub and tree prunings: Place on site at agreed location or Remove to recycling facility.
 - Litter and non biodegradable arisings: Remove from site.

190 LITTER

- Extraneous rubbish not arising from the contract work: Collect and remove from site.

197 CLEANLINESS

- Soil and arisings: Remove from hard surfaces.
- General: Leave the works in a clean, tidy condition at completion and after any

maintenance operations.

GRASSED AREAS

210B MAINTENANCE OF GRASSED AREAS

- General: Maintain turf in a manner appropriate to the intended use.
- Soil and grass:
 - Condition: Maintain a healthy vigorous sward, free from disease, fungal growth, discolouration, scorch or wilt.
 - Damage: Repair scalping.
- Ornamental lawns: Maintain reasonably free from moss, excessive thatch, weeds, frost heave, worm casts and mole hills.
 - Edges: Neat and well defined, in clean straight lines or smooth flowing curves.
- Litter and fallen leaves: Remove regularly to maintain a neat appearance.
- Keep the grass sward substantially free of broad leaved weed as instructed by the Contract Administrator, by applying suitable selective herbicides. No herbicide application shall occur in areas designated for wild flora.
- Apply fertiliser to grass sward during spring and autumn, in accordance with the requirements stated in the schedule of work.
- Apply moss killer to grass sward, as instructed by the Contract Administrator.

220 GRASS CUTTING GENERALLY

- Before mowing: Remove litter, rubbish and debris.
- Finish: Neat and even, without surface rutting, compaction or damage to grass.
- Edges: Leave neat and well defined. Neatly trim around obstructions.
- Adjoining hard areas: Sweep clear and remove arisings.
- Drought or wet conditions: Obtain instructions.

225 TREE STEMS

- Precautions: Do not use mowing machinery closer than 100 mm to tree stems. Use nylon filament rotary cutters and other hand held mechanical tools carefully to avoid damage to bark.

250 LEAF REMOVAL

- Operations: Collect fallen leaves.
- Special requirements: None.
- Disposal: Place on site in agreed locations or Remove from site for recycling.

255 FIRST CUT OF ALL GRASSED SEEDED AREAS

- Height of initial growth: 40-75mm.
- Preparation:
 - Debris and litter: Remove.
 - Stones and earth clods larger than 25 mm in any dimension: Remove
- Height of first cut: 30mm.
- Mower type: Contractor's choice.
- Arisings: Remove excessive arisings.

270A MOWING ROUGH GRASSED AREAS

- Grass height: Maintain between 50 and 75 mm.
- Arisings: Remove excessive arisings.
- Other requirements: Timing and height of cut to be in accordance with supplier's recommendations.

275 CUTTING FLOWERING WILD FLOWER GRASSLAND AREAS

- Times of year/ Frequency of cutting: As schedule and seed supplier's recommendations.
- Height of cut: as specified.
- Arisings: Remove if deemed necessary.

- 285 TOP DRESSING
- Location: Where required.
 - Timing: In autumn following scarification and aeration.
 - Material: Compost/ sand/ loam mix.
 - Supplier: Landscape Contractor choice.
 - Product reference: Landscape Contractor choice.
 - Declaration of analysis: Submit.
 - Additional analyses: Not required.
 - Samples: Not required.
 - Application rate: as supplier's recommendations.
- 309 EDGES TO SEEDED AREAS
- Location: Planting beds and around newly planted trees.
 - Timing: After seeded areas are well established.
 - Edges: Cut to clean straight lines or smooth curves. Draw back soil to permit edging.
 - Arisings: Remove.
- 320 LEVELLING HOLLOWES AND BUMPS IN TURF
- Standard: To BS 7370-3, clauses 12.4 and 12.5.
- 330 SELECTIVE HERBICIDE
- Location: All lawns.
 - Herbicide: Contractor's choice.
 - Areas not to be sprayed: Wildflower areas.
- 350 FERTILIZER - SPRING APPLICATION
- Type: Scotts Professional, Spring/summer fertiliser 9+7+7 or similar approved.
 - Application rate: as manufacturer's recommendations.
- 360 FERTILIZER - AUTUMN APPLICATION
- Type: Scotts Professional, Autumn fertiliser 4+12+12 or similar approved.
 - Application rate: as manufacturer's recommendations.
- 381A REINSTATEMENT OF WORN OR DAMAGED LAWNS
- To be reported to Project Manager if instructed. Worn or damaged areas: Make good by turfing or reseeding:
 - Turfing standard: To BS 7370-3, Clause 12.2.
 - Reseeding standard: To BS 7370-3, Clause 12.6.
 - Turf or seed: To match existing in appearance and quality.
 - Protection and watering: Provide as necessary to promote successful germination and/ or establishment.

SHRUBS/TREES/HEDGES

- 500A ESTABLISHMENT OF NEW PLANTING
- Duration: As stated in contract.
 - Weed control:
 - Method: Keep planting beds clear of weeds by handweeding or spot treatment of herbicide.
 - Area: Maintain a weed free area around each tree and shrub, minimum diameter the larger of 1 m or the surface of the original planting pit.
 - Watering: Landscape Contractor to water as necessary to maintain healthy growth.
- 502 ESTABLISHMENT OF NEW PLANTING - FERTILIZER
- Time of year: March or April.

- Type: Slow release Enmag CRF or similar approved.
 - Spreading: Spread evenly. Carefully lift and replace any mulch materials.
Application rate: As manufacturer's recommendations.
- 510 TREE STAKES AND TIES
- Inspection/ Maintenance times: At each maintenance visit and immediately after strong winds.
 - Stakes:
 - Replace loose, broken or decayed stakes to original specification.
 - If longer than half of clear tree stem height, cut to this height in spring. Retie to tree firmly but not tightly with a single tie.
 - Ties: Adjust, refix or replace loose or defective ties, allowing for growth and to prevent chafing.
 - Where chafing has occurred, reposition or replace ties to prevent further chafing.
 - Removal of stakes and ties: only when instructed when trees are sufficiently established.
 - Fill stake holes with lightly compacted soil.
- 515 TREE GUY WIRES
- Inspection/ Maintenance times: At each maintenance visit and immediately after strong winds.
 - Operations:
 - Replace or resecure loose or missing guy wires.
 - Adjust to suit stem growth and to provide correct and uniform tension.
 - Removal: only when instructed when trees are sufficiently established.
- 520 REFIRMING OF TREES AND SHRUBS
- Timing: After strong winds, frost heave and other disturbances.
 - Refirming: Tread around the base until firmly bedded.
 - Collars in soil at base of tree stems, created by tree movement: Break up by fork, avoiding damage to roots. Backfill with topsoil and refirm.
- 525 TREE GUARDS
- Loose or defective guards: Adjust, refix or replace to original specification and to prevent chafing.
- 535 TREE GRILLES
- Operations: Lift grilles, remove weeds, adjust levels as necessary and lightly compact. Refit grilles, refill interstices and lightly compact to correct level.
 - - Material for making up levels and refilling: as original specification.
- 540A PRUNING GENERALLY
- Pruning: In accordance with good horticultural and arboricultural practice.
 - Removing branches: Do not damage or tear the stem or bark.
 - Wounds: Keep as small as possible and cut cleanly back to sound wood.
 - Cutting: Make cuts above and sloping away from an outward facing healthy bud, angled so that water will not collect on cut area.
 - Larger branches: Prune neither flush nor leaving a stub, but using the branch bark ridge or branch collar as a pruning guide.
 - Appearance: Thin, trim and shape each specimen appropriately to species, location, season, and stage of growth, leaving a well balanced natural appearance.
 - Tools: Use clean sharp secateurs, hand saws or other approved tools. Trim off ragged edges of bark or wood with a sharp knife.
 - Disease or infection: Give notice if detected and required.
 - Growth retardants, fungicide or pruning sealant: Do not use unless instructed.

- 545 PRUNING OF EXCESSIVE OVERHANG
- Timing: Annually.
 - Operations: Remove growth encroaching onto grassed areas, paths, roads, signs, sightlines and road lighting luminaires.
 - Special requirements: None.
- 550 PRUNING OF EXCESSIVE HEIGHT
- Timing: Annually.
 - Operations: Remove excessive height if required.
- 555 PRUNING TREES AND SHRUBS
- Standard: To BS 7370-4.
 - Special requirements: None.
- 575 PRUNING ORNAMENTAL SHRUBS
- General: Prune to encourage healthy and bushy growth and desirable ornamental features, e.g. flowers, fruit, autumn colour, stem colour.
 - Suckers: Remove by cutting back level with the source stem or root.
- 580 PRUNING FLOWERING SPECIES OF SHRUBS AND ROSES
- Time of year:
 - Winter flowering shrubs: Spring.
 - Shrubs flowering between March and July: Immediately after the flowering period.
 - Shrubs flowering between July and October: Back to old wood in winter.
 - Rose bushes: Early spring to encourage basal growths and a balanced, compact habit.
- 620 REMOVAL OF DEAD PLANT MATERIAL
- Operations: At the end of the growing season, check all shrubs and remove all dead foliage, dead wood, and broken or damaged branches and stems.
- 625 CLIMBING PLANTS
- Pruning: Remove excess growth, to ensure that signs, light fittings, doors and windows are kept clear at all times.
 - Insecure growth: Attach to supporting wires or structures using 1 mm diameter black plastics coated steel wire.
 - Supporting structures: Check and repair as necessary.
- 630 DEAD AND DISEASED PLANTS
- Removal: Within one week of notification.
 - Replacement: In the next suitable planting season.
- 635 REINSTATEMENT OF SHRUB/ HERBACEOUS AREAS
- Dead and damaged plants: Remove.
 - Mulch/ matting materials:
 - Carefully move to one side and dig over the soil, leaving it fit for replanting.
 - - Do not disturb roots of adjacent plants.
 - Replacement plants:
 - Use pits and plants: To original specification or to match the size of adjacent or nearby plants of the same species, whichever is the greater.
 - Additional requirements: Obtain approval from Barry Chinn Associates of alternatives if original species are unavailable. Proposed substitutions may not be acceptable and submission of further alternatives may be required.
 - Dressing: Slow release fertilizer:
 - Type: Enmag CRF or similar approved.
 - Application rate: As manufacturer's recommendations.

645 WEED CONTROL GENERALLY

- Weed tolerance: At all times, weed cover should be monitored and treated in accordance with good practice, having regard to the prominence of the areas within the scheme.
- Adjacent plants, trees and grass: Do not damage.

650A HAND WEEDING ON SELECTIVE GROUND COVER AREAS

- General: Remove weeds entirely, including roots.
- Disturbance: Remove the minimum quantity of soil, and disturb plants, bulbs and mulched surfaces as little as possible.

670A WEED CONTROL WITH HERBICIDE

- Type: Suitable foliar acting herbicide.
- Timing: Allow recommended period for herbicide to take effect before clearing dead weeds.

685 SOIL LEVEL ADJUSTMENT

- Level of soil/mulch at edges of beds: Reduce to 50 mm below adjacent grass or hard surface.
- Arisings (if any): Spread evenly over the bed.

695 FERTILIZING ESTABLISHED TREES AND SHRUBS

- Time of year: During February or March.
- Type of fertilizer: Slow release.
- Application: Spread evenly.
- Rate: As manufacturer's recommendations.

RABBIT FENCING

920A RABBIT FENCING

- Rabbit Fences: Inspect and repair to maintain protection against rabbits, where fencing is installed.

SECTION 3

SCHEDULE OF WORK

	GENERAL NOTE	Quantity	Unit Cost £	Total Cost £
	The areas stated are PROVISIONAL and measured on plan (Quantities to be confirmed at construction stage). The contractor's prices are deemed to include any additional labour/ materials necessary to accommodate the contours of the site.			
	GROUND PREPARATION AND SEEDING			
	A Ornamental Planting	x,xxx m ²		
	B Ornamental (Single Species) Clipped Hedge	x,xxx m ²		
	C Native/ Indigenous (Mixed Species) Hedgerow	x,xxx m ²		
	D Woodland Planting (1.5m grid)	x,xxx m ²		
	E Wet Woodland Planting (1.5m grid)	x,xxx m ²		
	F Thicket Planting (1m grid)	x,xxx m ²		
	G General Amenity Grass Seed (DLF Trifolium Promaster 120)	x,xxx m ²		
	H General Wildflower Seeding (Emorsgate EM1)	x,xxx m ²		
	I Wildflower seeding to wetland areas (Emorsgate EM8)	x,xxx m ²		
	J Marginal seeding to attenuation areas (Emorsgate EP1)	x,xxx m ²		
	K Wildflower seeding to reinforced fire track (Emorsgate EN1F)	x,xxx m ²		
a	<u>PROVISIONAL</u> Clear all areas to be seeded, turfed or planted of all weed growth, including roots and rhizomes, by application of herbicide or by hand to be approved by the Landscape Architect. All arising to be collected and removed from site. (A, B, C, D, E, F, G, H, I, J, K)	Xxx,xxx m ²		
b	Cultivate areas to be planted to a depth of 300mm in accordance with the specification. (A, B, C, D, E, F)	Xx,xxx m ²		
c	Cultivate areas to be seeded to a depth of 100mm in accordance with the specification. (G, H, I, J, K)	Xx,xxx m ²		
d	Carry out minor grading of all areas to be seeded or planted, bringing the soil to an even grade, free from minor hollows and ridges at correct finished levels. (A, B, C, D, E, F, G, H, I, J, K)	Xxx,xxx m ²		
e	Supply, spread and incorporate at time of cultivation 50mm depth of spent mushroom compost to all ornamental planted areas. (A, B)	X,xxx m ²		
f	Lightly and uniformly reduce to a fine tilth 25mm deep, areas to be grass or wildflower seeded by harrowing and raking. Remove stones over 30mm in any dimension. (G, H, I, J, K)	Xx,xxx m ²		
	Carried forward		£	

SECTION 3
SCHEDULE OF WORK

PROPOSED DEVELOPMENT, BARNSLEY ROAD, GOLDTHORPE
SPECIFICATION OF SOFT LANDSCAPE WORKS

	GROUND PREPARATION AND SEEDING cont'd	Quantity	Unit Cost £	Total Cost £
	Brought forward from previous page		£	
a	Supply and spread Scotts Professional Pre-seeder fertilizer (8+12+8 +2%MgO%) at a rate of 50gms/m ² in accordance with the manufacturer's recommendations, to all turfed and seeded areas. (G)	Xx,xxx m ²		
b	Supply and sow DLF Trifolium mixture Promaster 120 Slowgrowth at a rate of 35-50g/m ² to general amenity grass areas (G)	Xx,xxx m ²		
c	Supply and sow Emorsgate EM1 General Purpose Meadow Mixture at a rate of 4g/m ² to general wildflower areas. (H)	Xx,xxx m ²		
d	Supply and sow Emorsgate EM8 Meadow Mixture for Wetlands at a rate of 4g/m ² to wet grassland areas. (I)	Xx,xxx m ²		
e	Supply and sow Emorsgate EP1 Pond Edge Mixture at a rate of 4g/m ² to marginal areas within attenuation areas (J)	Xx,xxx m ²		
f	Supply and sow Emorsgate EN1F Special Pollen & Nectar Wildflower Mixture at a rate of 1.5g/m ² to reinforced fire/ access track areas (K)	X,xxx m ²		
g	Carry out initial cut of general amenity grass seeded areas when grass is 50-75mm high. Cut to 25-50mm. (G)	Xx,xxx m ²		
h	Carry out initial cut to wildflower seeded areas. Timing and height of cut to be as recommended by seed supplier dependent on establishment. (H, I, J, K)	Xx,xxx m ²		
	Ground preparation and Seeding to Schedule of Work Summary.		£	

	TREE PLANTING	Quantity	Unit Cost £	Total Cost £
	Supply and plant the following trees including backfill material, immersion of open ground roots in Broadleaf root dip, staking and tying, all in accordance with the Specification.			
	All trees to have a central leader.			
	Circumference of stem at one metre above ground level indicated in centimetres.			
	Extra Heavy Standard Trees 18-20cm girth 4.5-5.5m height 1.8-2.1m clear stem Double staking Rootballed			
a	Acer campestre 'Streetwise'	xx no.		
b	Acer platanoides 'Columnare'	xx no.		
c	Acer rubrum	xx no.		
d	Carpinus betulus	xx no.		
e	Prunus avium 'Plena'	xx no.		
f	Pyrus calleryana 'Chanticleer'	xx no.		
g	Tilia cordata 'Streetwise'	xx no.		
h	Ulmus 'New Horizon'	xx no.		
	Heavy Standard Trees 12-14cm girth 3.5-4.0m height 1.8-2.1m clear stem Single staked Root wrapped			
i	Acer campestre	xx no.		
j	Alnus glutinosa	xx no.		
k	Amelanchier lamarkii 'Robin Hill'	xx no.		
l	Crataegus laevigata 'Pauls Scarlett'	xx no.		
	Carried forward		£	

	TREE PLANTING cont'd	Quantity	Unit Cost £	Total Cost £
	Brought forward from previous page			
	Heavy standard Trees (cont'd)			
a	Prunus avium	xx no.		
b	Salix alba	xx no.		
c	Sorbus aucuparia	xx no.		
	Multi-Stemmed Trees 3.5-4m height 5x transplanted Angle staked Rootballed			
d	Betula albosinensis	xx no.		
e	Betula utilis 'Jermyns'	xx no.		
f	Salix alba 'Britzensis'	xx no.		
	Feathered Trees (within woodland mixes) 1.8-2.1m height 2x times transplanted Well furnished with lateral shoots to the base Single staked Bare rooted			
g	Acer campestre	xx no.		
h	Alnus glutinosa	xx no.		
i	Betula pendula	xx no.		
j	Prunus avium	xx no.		
k	Quercus robur	xx no.		
l	Salix alba	xx no.		
	Carried forward		£	

	SHRUB, CLIMBER, AND HERBACEOUS PLANTING	Min Pot Vol (Litres) or Open Ground	Quantity	Unit Cost £	Total Cost £
	Supply and plant the following plant material including the incorporation of compost and fertilizer with backfill as specified. Roots of open ground plants shall be immersed in Broadleaf root dip prior to planting. The planted area shall be cultivated and brought to a tidy condition at planting.				
	Plant material which is not self-supported shall be staked in accordance with the Specification.				
	Height or Spread indicated in mm.				
	OG = open ground plants.				
	Note: Species quantities are provisional. Detailed planting plans and schedules will be released in a timely manner to allow stock to be procured for the relevant Phase/ Section.				
a	Amelanchier canadensis 900-1200mm	15L	xxx no.		
b	Amelanchier canadensis 400-600mm	3L	xxx no.		
c	Berberis darwinii 300-400mm	3L	xxx no.		
d	Berberis frikartii 'Amstelveen' 300-400mm	3L	xxx no.		
e	Cornus alba 'Elegantissima' 900-1200mm	15L	xxx no.		
f	Cornus alba 'Elegantissima' 600-800mm	3L	xxx no.		
g	Cornus alba 'Siberica' 400-600mm	3L	xxx no.		
h	Cornus sanguinea 400-600mm 1+1	OG	xxx no.		
i	Cornus sanguinea 'Midwinter Fire' 450-600mm	3L	xxx no.		
j	Cornus stolonifera 'Flaviramera' 600-800mm	3L	xxx no.		
k	Cornus stolonifera 'Kelseyii' 300-400mm	3L	xxx no.		
l	Cotoneaster dammeri 'Oakwood' 300-400mm	2L	xxx no.		
m	Escallonia 'Apple Blossom' 400-600mm	3L	xxx no.		
	Carried forward			£	

	SHRUB, CLIMBER, AND HERBACEOUS PLANTING cont'd	Min Pot Vol (Litres) or Open Ground	Quantity	Unit Cost £	Total Cost £
	Brought forward from previous page			£	
a	Genista Lydia 300-400mm	3L	xxx no.		
b	Hebe pinguifolia 'Sutherlandii' 200-300mm	3L	xxx no.		
c	Hypericum moserianum 300-400mm	3L	xxx no.		
d	Lonicera nitida 'Maygreen' 300-400mm	2L	xxx no.		
e	Mahonia x media 'Winter Sun' 900-1200mm	15L	xxx no.		
f	Pyracantha 'Red Cushion' 400-600mm	3L	xxx no.		
g	Pyracantha 'Saphyr Orange' 400-600mm	3L	xxx no.		
h	Prunus laurocerasus 'Cherry Brandy' 300-400mm	3L	xxx no.		
i	Rosa canina 400-600mm 1+1	OG	xxx no.		
j	Rosa 'Kent' 300-400mm	3L	xxx no.		
k	Spiraea japonica 'Candlelight' 200-300mm	3L	xxx no.		
l	Stephanandra incisa 'Crispa' 200-300mm	3L	xxx no.		
m	Symphoricarpus x chenaultii 'Hancock' 400-600mm	3L	xxx no.		
n	Ulex eurpoaeus 400-600mm	OG	xxx no.		
o	Viburnum tinus 'Eve Price' 300-400mm	3L	xxx no.		
p	Viburnum x burkwoodii 900-1200mm	15L	xxx no.		
	Carried forward			£	

	SHRUB, CLIMBER, AND HERBACEOUS PLANTING cont'd	Min Pot Vol (Litres) or Open Ground	Quantity	Unit Cost £	Total Cost £
	Brought forward from previous page			£	
	SINGLE SPECIES HEDGE PLANTING				
	Supply and plant ornamental hedging species to layouts as specified on drawings				
a	Carpinus betulus 450-600mm (bushy plant-min 5 breaks)	3L	X,xxx no.		
b	Escallonia 'Apple Blossom' 400-600mm	3L	X,xxx no.		
c	Supply and spread a 50mm thick layer of ornamental 5-35mm bark mulch supplied by Amenity & Horticultural Services, Coppards Lane, Northiam, East Sussex, TN31 6QP. Bark to be thoroughly watered down at spreading. (A, B)		X,xxx m ²		
	Shrub, Climber, and Herbaceous Planting to Schedule of Works Summary			£	

	NATIVE TRANSPLANT AND HEDGE PLANTING	Min Pot Vol (Litres) or Open Ground	Quantity	Unit Cost £	Total Cost £
	Supply and plant the following plant material including the incorporation of compost and fertilizer with backfill as specified. Roots of open ground plants shall be immersed in Broadleaf root dip prior to planting. The planted area shall be cultivated and brought to a tidy condition at planting. Plant material which is not self-supported shall be staked in accordance with the Specification.				
	Height or Spread indicated in mm.				
	OG = open ground plants.				
	Woodland mix planting (1.5m cts)				
a	Alnus glutinosa 600-800mm 1+1	OG	xxx no.		
b	Betula pubescens 600-800mm 1+1	OG	xxx no.		
c	Corylus avellana 600-800mm 1+1	OG	xxx no.		
d	Crataegus monogyna 600-800mm 1+1	OG	xxx no.		
e	Ilex aquifolium 600-800mm	2L	xxx no.		
f	Malus sylvestris 600-800mm 1+1	OG	xxx no.		
g	Prunus spinosa 600-800mm 1+1	OG	xxx no.		
h	Quercus robur 600-800mm 1+1	OG	xxx no.		
	Carried forward			£	

NATIVE TRANSPLANT AND HEDGE PLANTING continued		Min Pot Vol (Litres) or Open Ground	Quantity	Unit Cost £	Total Cost £
Brought forward from previous page				£	
Wet Woodland mix planting (1.5m cts)					
a	Alnus glutinosa 600-800mm 1+1	OG	xxx no.		
b	Betula pubescens 600-800mm 1+1	OG	xxx no.		
c	Cornus sanguinea 600-800mm 1+1	OG	xxx no.		
d	Crataegus monogyna 600-800mm 1+1	OG	xxx no.		
e	Salix cinerea 600-800mm 1+1	OG	xxx no.		
f	Salix caprea 600-800mm 1+1	OG	xxx no.		
g	Salix purpurea 600-800mm 1+1	OG	xxx no.		
h	Salix viminalis 600-800mm 1+1	OG	xxx no.		
i	Viburnum opulus 600-800mm 1+1	OG	xxx no.		
Carried forward				£	

SECTION 3
SCHEDULE OF WORK

PROPOSED DEVELOPMENT, BARNSLEY ROAD, GOLDTHORPE
SPECIFICATION OF SOFT LANDSCAPE WORKS

	NATIVE TRANSPLANT AND HEDGE PLANTING continued	Min Pot Vol (Litres) or Open Ground	Quantity	Unit Cost £	Total Cost £
	Brought forward from previous page			£	
	Thicket mix planting (1m cts)				
a	Acer campestre 600-800mm 1+1	OG	xxx no.		
b	Cornus sanguinea 600-800mm 1+1	OG	xxx no.		
c	Corylus avellana 600-800mm 1u1	OG	xxx no.		
d	Crataegus monogyna 600-800mm 1+1	OG	xxx no.		
e	Ilex aquifolium 600-800mm	2L	xxx no.		
f	Ligustrum vulgare 600-800mm 1+1	OG	xxx no.		
g	Prunus spinosa 600-800mm 1+1	OG	xxx no.		
h	Rosa canina 600-800mm 1+0	OG	xxx no.		
i	Salix caprea 600-800mm 1+0	OG	xxx no.		
j	Sambucus nigra 600-800mm 1+1	OG	xxx no.		
k	Viburnum opulus 600-800mm 1+1	OG	xxx no.		
	Carried forward			£	

	MAINTENANCE (Year 1)	Quantity m²	Unit Cost £	Total Cost £
	During the initial twelve month period after completion;			
	Allow for twenty-one maintenance visits. A visit to be defined as the period of time required by the Contractor to carry out all maintenance items specified in the Schedule of work below.			
	GENERAL TO ALL AREAS			
a	Tidy up areas removing rubbish, litter, etc., from planted and grassed areas. Repeat at each maintenance visit.	Item		
b	Supply and apply a translocated herbicide to weed growth on car park and footpath surfaces. Six times.	Item		
c	Treat pests and diseases as necessary. Pesticide use is to be considered only as a last resort. If used pesticides are to be applied strictly in accordance with current approved codes and statutory requirements.	Item		
d	Allow for watering all grass and plant material as necessary to ensure establishment and maintain healthy growth.	Item		
e	Check that the plant material is firmly planted and firm in where required. Repeat at each maintenance visit.	Item		
f	Prune dead, dying or diseased wood from plant material.	Item		
g	Removal of dead/ diseased plants with replacements as appropriate.	Item		
	ORNAMENTAL SHRUB PLANTING (A, B)			
h	Keep ornamental shrub areas clear of weed growth by hand weeding or spot herbicide treatment as appropriate. Twelve times.	X,xxx m ²		
i	Apply a slow release fertilizer, Enmag CRF or similar approved, composition NPK 11 + 22 + 9 + 6.0% Mg, to shrub areas at a rate of 30 gms / m ² . Once only.	X,xxx m ²		
j	Edge up planted areas to maintain soil level 25mm below adjacent hard surfaces and kerbs. Any soil washed on to hard surfaces to be cleaned off. Repeat at each maintenance visit.	Item		
k	Prune shrubs if required to prevent invasive species smothering less aggressive species and to prevent shrubs overhanging footpaths or other areas of hard paving.	Item		
	Carried forward		£	

	MAINTENANCE (Year 1) continued	Quantity m²	Unit Cost £	Total Cost £
	Brought forward from previous page		£	
	TREE PLANTING			
	Check adjust and replace, guards, stakes and ties as necessary. Prune, water and feed as necessary.			
a	Extra heavy standard/ heavy standard trees	xxx no.		
b	Feathered trees	xxx no.		
c	Multi-stemmed trees	xxx no.		
d	Keep stem at the base of all trees planted including within grass or wildflower areas free of all weed growth to a diameter of 800mm.	xxx no.		
	NATIVE HEDGE, THICKET AND WOODLAND PLANTING (C, D, E, F)			
e	Keep hedge, thicket and woodland planted areas clear of weed growth by herbicide treatment. Remove weed growth within shelterguards by hand. (Four times).	X,xxx m ²		
f	Check and repair damage to rabbit protection. Four times	Item		
	GRASS AREAS (G)			
	<u>March to mid-April</u>			
g	One grass cut down to 30mm and one edge trimming.	X,xxx m ²		
h	Supply and spread Scotts spring/summer lawn fertilizer (9-7-7) at a rate of 70gms/m ²	X,xxx m ²		
	<u>Mid-April to mid-May</u>			
i	Three grass cuts down to 19mm and three edge trimmings.	X,xxx m ²		
	<u>Mid-May to September</u>			
j	Thirteen grass cuts down to 19mm and thirteen edge trimmings.	X,xxx m ²		
	<u>October, November</u>			
k	Two grass cuts down to 30mm and two edge trimmings.	X,xxx m ²		
	Carried forward		£	

	MAINTENANCE (Year 1) continued	Quantity m²	Unit Cost £	Total Cost £
	Brought forward from previous page		£	
	GRASS AREAS (G) (continued)			
a	Re-seed worn areas of grass as appropriate.	Item		
b	Supply and spread Scotts autumn lawn fertilizer (4-12-12) at a rate of 70gms/ m ² during early October.	X,xxx m ²		
c	Shape grass edge with half moon spade. Twice only. Timing to be agreed with Landscape Architect.	Item		
	Note: At each grass cut excessive arisings shall be removed from site.			
d	Apply selective herbicide to all grass areas in accordance with manufacturer's specification.	X,xxx m ²		
	WILD FLORA AREAS (H, I, J, K)			
	NB The maintenance regime for Wild Flora areas will depend on the species used and should be in accordance with seed supplier's and ecologist's recommendations.			
	<u>Late April</u>			
e	PROVISIONAL One cut down to 100mm	X,xxx m ²		
	<u>Early September</u>			
f	One cut down to 100mm	X,xxx m ²		
	<u>Late October</u>			
g	PROVISIONAL One cut down to 100mm	X,xxx m ²		
h	Spot herbicide treat aggressive perennial weeds in Wild Flora areas as necessary	Item		
	Note: At each wild flora cut, arisings shall be removed from site.			
	Carried forward		£	

	MAINTENANCE (Year 1) continued	Quantity m²	Unit Cost £	Total Cost £
	Brought forward from previous page		£	
	FLOOD ATTENUATION/ DRAINAGE BASIN AREAS			
	a Inspect basin areas including inlets and outlet apertures at each visit for litter, debris and other pollutants. All litter and debris to be removed any blockages and dispose of arisings off site to licenced tip. Any pollutants to be notified to Contract Administrator. Twelve visits.	Item		
	b At each visit, carry out removal of excessive or over dominant aquatic vegetation growth around outlet and inlet headwalls to prevent blockage. Twelve visits.	Item		
	Year 1 Maintenance to Schedule of Work Summary		£	

SECTION 4

GENERAL SUMMARY

GENERAL SUMMARY		
SECTION 1 : PRELIMINARIES		£
SECTION 2 : PREAMBLES		£
SECTION 3 : SCHEDULE OF WORK		£
SECTION 4 TO FORM OF TENDER		£
Contractor's Signature		
Name	:	
Address	:	
Date	:	
	:	
	:	
	:	

APPENDIX A

LANDSCAPE PREPARATION & TOPSOILING SPECIFICATION

(Refer to document 2267/22 SP02 Rev P1)

APPENDIX B

LANDSCAPE DRAWINGS

DRAWING TITLE	SCALE	DRAWING NO.
Landscape Species Schedule	1:500-A2	GDT-BCA-ELS-XX-DR-L-S4-2267/22-01
Landscape Location Plan	1:2500-A1	GDT-BCA-ELS-XX-DR-L-S4-2267/22-02
Landscape Plan	1:500-A0	GDT-BCA-ELS-XX-DR-L-S4-2267/22-03
Landscape Plan	1:500-A0	GDT-BCA-ELS-XX-DR-L-S4-2267/22-04
Landscape Plan	1:500-A0	GDT-BCA-ELS-XX-DR-L-S4-2267/22-05
Landscape Plan	1:500-A0	GDT-BCA-ELS-XX-DR-L-S4-2267/22-07
Landscape Plan	1:500-A0	GDT-BCA-ELS-XX-DR-L-S4-2267/22-08
Landscape Plan	1:500-A0	GDT-BCA-ELS-XX-DR-L-S4-2267/22-09
Tree Pit, Staking & Plant Protection details	1:20-A1	GDT-BCA-ELS-XX-DR-L-S4-2267/22-20

APPENDIX C

DESIGNERS RISK ASSESSMENT

Soft Landscape Works

(to be issued with landscape tender drawings/documents)

APPENDIX D

ADDITIONAL INFORMATION

(To be issued with landscape tender drawings/documents e.g. site access, constraints etc.)