

**SPECIFICATION**

for

**SOFT LANDSCAPE WORKS**

at

**Bromley Croft**

Prepared for

**Consensus Support Services Ltd**

by

epd

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**QUALITY MANAGEMENT**

## SOFTWARES SPECIFICATION

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Bromley Croft, 23-0022

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# SOFTWARES SPECIFICATION

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## Q28 TOPSOIL AND SOIL AMELIORANTS

### 155 MULCHING AND TOP DRESSING SYSTEM

1. Description: FOR PLANTED AREAS
2. Composition  
Material: Submit design and cost proposals

#### Products

### 300 PREPARATION MATERIALS GENERALLY

1. Purity: Free of pests and disease.
2. Foreign matter: On visual inspection, free of fragments and roots of aggressive weeds, sticks, straw, subsoil, pieces of brick, concrete, glass, wire, large lumps of clay or vegetation, and the like.
3. Contamination: Do not use topsoil contaminated with subsoil, rubbish or other materials that are:
  - Corrosive, explosive or flammable.
  - Hazardous to human or animal life.
  - Detrimental to healthy plant growth.
4. Subsoil: In areas to receive topsoil or planting media, do not use subsoil contaminated with the above materials.
5. Objectionable odour: None.
6. Give notice: If any evidence or symptoms of soil contamination are discovered on the site or in topsoil or planting media to be imported.

### 310 MATERIALS NOT PERMITTED

1. Materials: Products containing peat

### 315 IMPORTED TOPSOIL TO BS 3882

1. Description: FOR PLANTING BEDS
2. Quantity: Provide as necessary to make up any deficiency of topsoil existing on site and to complete the work.
3. Standard: To BS 3882.
4. Classification: Multipurpose
  - Soil textural class to BS 3882, Figure 1: Any class
5. Source: Local, within a 10 mile radius
  - Product reference: Submit proposals

### 401 ORGANIC FERTILIZERS

1. Description: FOR PLANTING BEDS
2. Manufacturer/ source: Local, within a 10 mile radius
  - Product reference: Submit proposals
3. Standard: In accordance with the Fertilizer Industry Assurance Scheme (FIAS)
4. Purpose: General purpose fertilizer
5. Type:
6. Availability to plants: Slow-release

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### Execution

#### 610 TOPSOIL ANALYSIS

1. Soil to be analysed: Imported topsoil
2. Soil analyst:
3. Samples: Collect in accordance with BS 3882.
4. Submit
  - Declaration of analysis: In accordance with BS 3882, clause 6 and Table 1.
  - Additional analysis: Chemical analysis
  - Report detailing soil analyst's recommendations.

#### 620 IMPORTING TOPSOIL

1. Give notice: Before stripping topsoil for transfer to site.
  - Notice period: 7 days

#### 718 FINAL CULTIVATION

1. Description: FOR PLANTING BEDS
2. Compacted topsoil: Break up to full depth.
3. Tilth: Loosen, aerate and break up topsoil to a tilth suitable for blade grading.
4. Depth: 150 mm
5. Particle size (maximum):
6. Timing: Within a few days before planting
7. Weather and ground conditions: Suitably dry.
8. Surface: Leave regular and even.
9. Undesirable material brought to the surface
  - Remove visible weeds.
  - Remove roots and large stones with any dimension exceeding 50 mm.

#### 820 APPLYING GENERAL FERTILIZER

1. Description: *TO AMELIORATE NITROGEN DEFICIENCY*
2. Application: Spread evenly, carefully incorporating below mulch materials.
  - Timing: Immediately before cultivation.
  - Application rate: 50 g/m<sup>2</sup>
  - Other requirements:

#### 845 APPLYING LOOSE MULCH

1. Description: FOR PLANTING BEDS
2. Timing: Immediately after planting
3. Preparation: Clear all weeds
4. Coverage of mulch (minimum)
  - Planting beds (depth): 50 mm depth
  - Trees: In a circular area of 500 mm radius measured from the tree stem
5. Finished level of mulch: 50 mm below adjacent grassed or paved areas

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## Q30 GRASS SEEDING/ TURFING

To be read with preliminaries and general conditions.

### General Information/Requirements

#### 110 TOPSOIL

At the time of starting the Landscape Sub-Contract work, the areas to be seeded will be covered by:

- Topsoil 150 mm thick provided and spread by the Main Building Contractor.
- To be of low fertility in areas to receive wild flower and species rich mixes (flowering lawn mix, lowland meadow mix, river floodplain mix).

#### 115 SEEDED AND TURFED AREAS

1. Growth and development: Healthy, vigorous grass sward, free from the visible effects of pests, weeds and disease.
2. Appearance: A closely knit, continuous ground cover of even density, height and colour.

#### 120 CLIMATIC CONDITIONS

- General: Carry out the work while soil and weather conditions are suitable.

#### 130 MECHANICAL TOOLS

- Restrictions: Do not use within spread of tree and 100mm of plant stems.

#### 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.

#### 150 WATER RESTRICTIONS

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

#### 160 NOTICE

- Give notice before:
  - Setting out.
  - Applying herbicide.
  - Applying fertilizer.
  - Preparing seed bed.
  - Seeding.
  - Visiting site during maintenance period.
- Period of notice: 3 working days.

#### 170 SETTING OUT

- Boundaries of seeding areas: Mark clearly.

#### 190 SUITABILITY OF TOPSOIL

- Before commencing work the Landscape Sub-Contractor must confirm through the Main Building Contractor to the CA that the topsoil, after the specified preparation, will be suitable for seeding.
- Seeding will be taken as further acceptance by the Landscape Sub-Contractor of the

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suitability of topsoil.

## Preparation

### 205A PREPARATION MATERIALS

- General: Free from toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

### 210A HERBICIDE FOR ALL GRASSED AREAS

- Type: Non residual herbicide suitable for suppressing perennial weeds.

### 250A CULTIVATION

- Compacted topsoil: Break up to full depth.
- Tilth: Reduce top 100 mm of topsoil to a tilth suitable for blade grading, particle size 10mm (maximum).
- Material brought to the surface: Remove man made debris and clay balls larger than 50 mm in dimension, roots, tufts of grass and rubbish.

### 260 GRADING

- Topsoil condition: Reasonably dry and workable.
- Contours: Smooth and flowing, with falls for adequate drainage. Remove minor hollows and ridges.
- 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 not less than 150mm .
- Give notice: If required levels cannot be achieved by movement of existing soil.

### 275A FERTILIZER FOR SHORT GRASS VERGE SEEDED AREAS

- Type: DLF Trifolium Pro Fert 2 pre-seed fertiliser (10:15:10).
- Application: to manufacturers recommendation. Rate 35 - 50g/m<sup>2</sup>.

### 280A FINAL CULTIVATION FOR ALL GRASSED AREAS

- 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 compacted.
  - Remove surface stones/earth clods exceeding:
    - General areas: 50 mm, stockpile for reuse as per clause 255
- Adjacent levels: Extend cultivation into existing adjacent grassed areas sufficient to enable full marrying in of levels.

## Seeding

### 310A AMENITY GRASS MIX:

- Mixture: Popular Hardwearing grass seed mix.
  - Supplier: Germinal, Camp Road, Witham St. Hughes, Lincoln, LN6 9QJ.
  - Tel: +44 (0) 1522 868 714
  - Website: [www.germinal.co.uk](http://www.germinal.co.uk)
- Rate of application: 35 g/m<sup>2</sup>.

### 319 QUALITY OF SEED FOR ALL GRASSED AREAS

- Freshness: Produced for the current growing season.
- Certification: Blue label certified varieties to EC purity and germination regulations. When requested, submit an Official Seed Testing Station certificate of germination, purity composition.

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- Samples of mixtures: Submit when requested.
- 330 SOWING
- General: Establish good seed contact with the root zone to promote healthy, consistent growth.
  - Method: To suit soil type, proposed usage of grassed area, location and weather conditions during and after sowing.
- 336 SOWING SEASONS
- Grass seed generally: March to May, or September/ October.
- 340 PRE-EMERGENT HERBICIDE FOR ALL GRASSED AREAS
- General: Where soil has not been allowed to lie fallow apply a suitable pre-emergent herbicide immediately after sowing.
- 352 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. Soil drawn back to permit edging
  - Arisings: Remove from site to compost areas/bins.
- Protecting/Watering/Cutting**
- 510 PROTECTING:
- Take all necessary measures to protect seeded areas until the end of the defects liability period.
- 520 WATERING:
- During establishment of grass areas ensure that sufficient water is applied using a fine sprinkler or oscillating spray to maintain healthy growth.
- 530A FIRST CUT OF SHORT GRASSED AREAS
- Timing: When grass reaches 50 mm high and is reasonably dry.
  - Preparation: Before cutting, remove debris, litter, and stones and earth clods larger than 50mm in any dimension.
  - Height of first cut: 30mm.
  - Arisings: Remove from site or to compost areas/bins.
- 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**
- 605 MAINTENANCE
- Duration: Carry out the operations in clauses 610 to 685 from completion of seeding for amenity seeded areas.
- 610 FAILURES OF SEEDING
- General: Grassed areas that have failed to thrive (unless due to theft or malicious damage during the period stated in clause 605, will be regarded as defects due to materials or workmanship not in accordance with the Contract. Make good by re-cultivation and reseeded.
  - Timing of making good: Submit proposals.



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- 620 MAINTAINING SHORT MOWN GRASS
- Maximum height of growth at any time: 50mm.
  - Preparation: Before each cut remove all litter and debris.
  - Cutting: As and when necessary to a height of 25mm.
    - Arisings: Remove from site or to compost areas/bins.
  - Bulb planting areas: Not Applicable.
  - Trimming: At the time of each cut, trim all grass edges, including round the base of manholes, etc. and remove arisings.
  - Weed control: Keep the sward substantially free of broad leaved weeds by applying suitable selective herbicide.
  - Areas of settlement: Make good.
  - Watering: As clause 145.
- 685A FERTILIZER FOR SHORT MOWN AMENITY GRASS AREAS
- March application:
    - Manufacturer: DLF Seeds Ltd., Thorn Farm, Inkborough, Worcs. WR7 4LJ,
    - Product reference: Pro Fert 4 (14:7+3MgO + 2Fe)
    - Coverage rate: 50g/sqm .
  - September application:
    - Manufacturer: DLF Seeds Ltd., Thorn Farm, Inkborough, Worcs. WR7 4LJ,
    - Product reference: Pro Fert 6 (3:12:12)
    - Coverage rate: 50g/sqm .

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## Q31 EXTERNAL PLANTING

2 To be read with the preliminaries and general conditions.

### General Information/Requirements

110 TOPSOIL: At the time of starting the Landscape Sub-Contract work, the areas to be planted will be covered by topsoil 300 mm thick, provided and spread by the Main Building Contractor.

#### 112A SITE CLEARANCE

- General: Remove rubbish, concrete, metal, glass, decayed vegetation and contaminated topsoil.
- Contamination: Substances injurious to plant growth including subsoil, rubble, fuel and lubricants.
- Vegetation: Clear surface vegetation in areas shown on drawings using suitable non-persistent herbicide.

#### 118 SOIL CONDITIONS

- Soil for cultivating and planting: Moist, friable and not waterlogged (with the exception of marginal planting areas).
- Frozen or snow covered soil: Give notice before planting. Provide additional root protection. Prevent planting pit sides and bases and backfill materials from freezing.

#### 120 CLIMATIC CONDITIONS

- General: Carry out the work while soil and weather conditions are suitable. Do not plant during periods of frost or strong winds.

#### 125A TIMES OF YEAR FOR PLANTING

- Deciduous trees and shrubs: Late October 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 Obtain the agreement of the Contract Administrator throughout before bringing plants to site. Ensure that adequate watering and weed control is provided.
- Dried bulbs, corms and tubers: September/ October.
- Colchicum (crocus): July/ August.
- Green bulbs: After flowering in spring.
- Wildflower plugs: Late August to mid November or March/ April.

#### 130 MECHANICAL TOOLS

- Restrictions: Do not use within spread of tree and 100mm of plant stems.

#### 145 WATERING

- Quantity: Wet full depth of topsoil.
- Application: Even and without damaging or displacing plants or soil.
- Note: Ensure suitable watering provision is made to allow any marginal/aquatic planting (including coir rolls) to thrive ahead of any brook connection. If the channel is dry this type of planting will need a dedicated regime of watering to prevent drying out and plant losses.

#### 150 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

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watering.

### 160 NOTICE

- Give notice before:
  - Setting out.
  - Applying herbicide.
  - Applying fertilizer.
  - Delivery of plants/ trees.
  - Planting shrubs.
  - Planting trees into previously dug pits.
  - Watering.
  - Visiting site during maintenance period.
- Period of notice: 2 days.

### 165A PREPARATION, PLANTING AND MULCHING MATERIALS

- General: Free from toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

### 170 SOIL REQUIREMENTS

#### 1. Type

- Planted beds: Existing topsoil (topsoil to be 300mm)
- Tree pits, shrub pits and other backfilling: Plant pit backfilling soil system, as section Q28
- Mulch applied after planting: Mulching and top dressing system, as section Q28

### 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: To requirements of National Plant Specification and balanced with branch system.
- Species: True to name.
- Origin/ Provenance: British grown. Native species to be obtained from stock grown from local seed. The site is within area 402 as defined in Forestry Commission Practice Note 8. A Certificate of Local Provenance is to be supplied. 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 National Plant Specification subject to availability, any exceptions to be agreed in writing.

### 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.

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- 245 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.
    - Employer's name and project reference.
    - Plant specification, in accordance with scheduled National Plant Specification categories subject to availability, any exceptions to be agreed in writing
  - Additional information: Submit on request: not applicable.
- 246 LABELLING AND INFORMATION:
- Standard: To BS 3936.
- 250 SUPPLY OF PLANTS/ TREES
- Suppliers: Members of the Horticultural Trades Association Nursery Certification Scheme.
- 255 PLANTS/ TREES RESERVED AT SUPPLIER'S PREMISES
- Types/ Species: As schedule.
  - Pre-delivery inspection: Give notice.
  - Labelling: Identify inspected plants/ trees as reserved for use on this project.
- 260 PLANT/ TREE SUBSTITUTION
- Plants/ trees unobtainable or known to be likely to be unobtainable at time of ordering.  
Submit alternatives, stating:
    - Price.
    - Difference from specified plants/ trees.
  - Further alternatives: Proposed substitutions may not be acceptable and submission further alternatives may be required.
  - Approval: Obtain before making any substitution.
- 265 PLANT/ TREE HANDLING, STORAGE AND TRANSPORT
- Standard: To 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, 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: Roots of all bare-rooted trees 12-14cm girth and above to be kept moist by dipping in Broadleaf P4 wetting agent prior to being supplied in white co-extruded bags, one per tree, sealed at the neck around the base of the tree trunk. All other smaller trees (typically more than one to a bag) to be supplied in white polyethylene bags.
  - Packaging of bulk quantities: May alternatively use pallets or bins sealed with polyethylene and shrink wrapped.
- 270 PLANTING GENERALLY
- Standard: To CPSE '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.

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- 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. Do not place excavated or imported materials directly on grass.
- 290 SURPLUS MATERIAL
- General: Remove subsoil, stones, debris, wrapping material, canes, ties, temporary labelling, prunings and other arisings/ rubbish.

### Preparation of Planting Beds/Planting Materials

- 300 HERBICIDE
- Locations: planting beds.
  - General: Prevent weeds from seeding and perennial weeds from becoming established by applying a suitable herbicide.
    - Delay cultivation as recommended by manufacturer.
- 341 PEAT
- Peat or products containing peat: Do not use.
- 359A SOIL AMELIORANT/ CONDITIONER
- Locations: ornamental planting areas.
  - Manufacturer/ Supplier: Amenity Horticultural Services Ltd. Tel: 01797 252728.
    - Product reference: Tree and Shrub Planting Compost (0-10mm).
  - Coverage: 50mm depth.
  - Timing: Apply prior to cultivation.
  - See clauses 485 and 590
- 360 SLOW RELEASE FERTILISER
- Enmag Lite supplied by Green-Tech Ltd 01423 332100, applied to all external planting as manufacturer's recommendations.
- 361 ROOT DIP
- Broadleaf Root Dip supplied by Green-Tech Ltd 01423 332100, applied to all external bare-root planting as manufacturer's recommendations.
- 375 CULTIVATION
- Compacted topsoil: Break up to full depth.
  - Cultivation: Loosen, aerate and break up soil into particles of 2 - 8 mm.
    - Depth: Top 200 mm of planting beds.
    - Timing: Within a few days before planting.
    - Weather and ground conditions: Suitably dry.
  - Surface: Leave regular and even.
  - Levels:
    - Within 75 mm of levels specified on drawings.
  - Undesirable material brought to the surface: Remove, including weeds, roots, stones and clods larger than 50 mm in any dimension, tufts of grass and foreign matter.
  - Soil within root spread of trees and shrubs to be retained: Do not dig or cultivate.

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### Planting Transplants/Shrubs/Climbers/Herbaceous Plants/Bulbs

- 405    TRANSPLANT/SHRUB PLANTING PITS
- Timing: Excavate 1 - 2 days (maximum) before planting.
  - Sizes: 100 mm wider than roots when fully spread and sufficiently deep to accommodate whole root system when fully spread.
  - Additional requirements: none.
  - Pit bottom improvement: Break up to a depth of 150 mm, incorporating soil ameliorants and conditioner as clause 359A.
  - Backfilling material: As clause 476A.
- 440    HERBACEOUS PERENNIAL PLANTS INCLUDING MARGINAL PLANTS
- Plant into prepared holes large enough to accommodate roots.
- 476A    BACKFILLING MATERIAL
- Composition: Previously prepared mixture of topsoil excavated from pit and additional topsoil as required, together with:
    - Fertilizer:
  - Product: GreenTech Landscaper Sierrablen Pro Flora Tablets (15-9-9+3%MgO).
  - Product code: 100FE1220
  - Coverage: 2-16 tablets for shrubs (according to manufacturer's recommendations).
- 480    AFTER PLANTING
- Watering: 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.
- 485    MULCHING PLANTING BEDS (SOIL AMELIORANT/ CONDITIONER)
- Locations: ornamental planting areas.
  - Manufacturer/ Supplier: Amenity Horticultural Services Ltd. Tel: 0333 207 0440.
    - Product reference: fine composted bark compost (0-8mm)
    - Purity: Free of pests, disease, fungus and weeds.
  - Coverage: 50mm depth
  - Timing: Apply on completion of planting

### Planting Trees

- 505    TREE PITS
- Sizes:

standard trees	1000mm diameter x 750mm deep
feathered trees	800mm diameter x 750mm deep
bush whip and small feathered trees	500mm diameter x 450mm. deep
  - Sloping ground: Maintain horizontal bases and vertical sides with no less than minimum depth throughout.
  - Pit bottoms: With slightly raised centre. Break up to a depth of 150 mm.
  - Pit sides: Scarify.
  - Additional requirements: Incorporate approved soil ameliorant as clause 359A, work into pit bottoms.
  - Backfilling material: As clause 586.
  - Accessories: Short single staking as clause 555.
- 510    TREE PIT ROOT BARRIERS:
- Locations: see plan for locations where required.

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Manufacturer: GreenBlueUrban

- Product reference:

ReRoot 600 alongside service runs and adjacent to hard surfaces.

Depth of top of root barrier below finished soil level: 10 mm.

Installation: With sides vertical, ribs facing the tree roots

### 535 STAKING GENERALLY

- Stakes: Softwood, peeled chestnut, larch or oak, free from projections and large or edge knots and with pointed lower end.
  - Preservative treatment: Not required.
- Nails: To BS 1202-1, galvanized, minimum 25 mm long and with 10 mm diameter heads
- Minimum stake sizes: 50 mm diameter.

### 555 SHORT SINGLE STAKING FOR ALL TREES

- Staking: 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.
- Height of stakes: Cut to approximately 1500 mm above ground level.
- Ties: Expanding ties.
- Tying: Secure tree firmly but not rigidly to stake with one tie within 25 mm of top of stake.

### 586 BACKFILLING MATERIAL

- Composition: Previously prepared mixture of topsoil excavated from pit and additional topsoil as required, together with:
    - Ameliorant/ Conditioner: Amenity Horticultural Services Ltd's Tree and Shrub Planting Compost
      - Coverage:
- |                                     |                    |
|-------------------------------------|--------------------|
| semi-mature trees                   | 100 litres compost |
| standard trees                      | 80 litres compost  |
| feathered trees                     | 40 litres compost  |
| bush whip and small feathered trees | 20 litres compost  |
- Fertiliser: organic DCM Ferti-Long (14-8-6+5%Mg).
    - Coverage: 6-30 tablets according to manufacturers recommendation).
  - Coverage: 50 mm thick.

### 590 MULCHING TREES (SOIL AMELIORANT/ CONDITIONER)

- Locations: ornamental planting areas.
- Manufacturer/ Supplier: Amenity Horticultural Services Ltd. Tel: 0333 207 0440.
  - Product reference: fine composted bark compost (0-8mm).
  - Purity: Free of pests, disease, fungus and weeds.
- Coverage: 50mm depth
- Timing: Apply on completion of planting

### 595A TREE PROTECTION

- Manufacturer: Tubex
  - Product reference: Tubex standard tree shelter guard
  - Type: Polypropylene
  - Product code: GreenTech's ref: 160PS1130-PRO
  - Supplier: Green-Tech Ltd 01423 332100
  - Size/ Colour: 1.2m x 73-105mm / green
  - Support: 2 No.x 0.6m (9") long black plastic cable ties, releasable; 1 no.32mm square stake 1.35m long

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- General: Ensure that protection methods do not impede natural movement of trees or restrict growth.
- 596A SHRUB PROTECTION
- Manufacturer: Tubex
    - Product reference: Tubex Shrub Shelter Guard
    - Type: Polypropylene
    - Product code: GreenTech's ref: 160PS1140-PRO
    - <https://www.green-tech.co.uk/tree-planting-products/tree-protection-and-shelters/tubex-shrub-shelter-guard>
    - Supplier: Green-Tech Ltd 01423 332100
    - Size/ Colour: 1.2m x 130-160mm / green
    - Support: 2 No.x 0.6m (9") long black plastic cable ties, releasable; 1 no.25mm square stake 0.9m long
  - General: Ensure that protection methods do not impede natural movement of trees or restrict growth.
- 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.

### Protecting/Maintaining/Making Good Defects

- 710 MAINTENANCE
- Duration: Carry out the operations in the following clauses from completion of planting to the end of the defects liability period.
  - Frequency of maintenance visits: Monthly during growing season.
- 720 FAILURES OF PLANTING
- General: Plants/ trees/ shrubs that have failed to thrive (unless due to theft or malicious damage after completion) during period stated in clause 710, will be regarded as defects due to materials or workmanship not in accordance with the Contract. 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.
- 730A PROTECTING
- Take all necessary measures to protect planting until Practical Completion of the planting and seeding. Any further protection to the end of the defects liability period to be as agreed with the Contract Administrator.
- 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.
- 750 PLANTING MAINTENANCE GENERALLY
- Weed control: Maintain weed free area around each tree and shrub, minimum diameter the larger of 1 m or the surface of original planting pit.
    - Keep planting beds clear of weeds, by use of approved non-residual herbicides.
  - Planted areas: Fork over beds as necessary to keep soil loose, with gentle camber and no hollows. Take care not to reduce depth or effect of mulch.



## SOFTWARES SPECIFICATION

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Bromley Croft, 23-0022

- Precautions: Ensure that trees and shrubs are not damaged by use of mowers, nylon filament rotary cutters and similar powered tools.
  - Staking: Check condition of stakes, ties, guys and guards. Replace broken or missing.  
Adjust if necessary to allow for growth and prevent rubbing of bark. Cut back any damaged bark.  
- Frequency of checks: Every month.
  - Trees: Spray crown when in leaf during warm weather. Carry out in the evening.
- 760 PLANTING MAINTENANCE - PRUNING
- General: Prune at appropriate times, to remove dead or dying and diseased wood a suckers, to promote healthy growth and natural shape.  
- Prune trees to favour a single central leading shoot.
- 765 PLANTING MAINTENANCE - WATERING
- General: As clauses 145 and 150.
- 780A FINAL COMPLETION
- General: At the end of the period stated in clause 710, ensure that all planted areas are weed free and any compacted soil or ruts are broken up and levelled.
- 790 FINAL MULCHING
- Timing: At end of the period stated in clause 710.
  - Watering: Ensure that soil is thoroughly moistened prior to re-mulching, applying water where necessary.
  - Planting beds: Re-mulch as clause 485.  
Coverage: To make up the required depth as clause 485.
  - Trees: Re-mulch as clause 590.  
Coverage: To make up the required depth as clause 590.