

Savills (UK) Ltd

# Thames Valley Science Park Primary Infrastructure - NHM Access Road

NHM Access Road - Soft Works Tender

23-04-2024

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## Q28

# Topsoil and soil ameliorants

## System outline

### 145 Planting pit backfilling topsoil system

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1. Description: FOR ALL TREE PITS
2. Composition
  - 2.1. Topsoil: Imported topsoil to BS 3882

### 155A Mulching

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1. Description: All Tree and Shrub planting
2. Composition
  - 2.1. Material: Bark mulch
  - 2.2. Product:: Nominal particle size range 30 to 75mm, dark brown in colour; naturally acidic. 100% peat-free. Processed from natural, sustainably produced mixed conifer bark, FSC certified.
3. Supplier:: Melcourt Industries Limited or similar approved  
Address: Boldridge Brake, Long Newnton,  
Tetbury, Gloucestershire.  
GL8 8RT  
Website: [www.melcourt.co.uk](http://www.melcourt.co.uk)

## Products

### 300 Preparation materials generally

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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:
  - 3.1. Corrosive, explosive or flammable.
  - 3.2. Hazardous to human or animal life.
  - 3.3. 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.

### 305 Permitted materials

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1. Materials: Ecosan, Wood waste, Composted food waste, Spent mushroom compost
2. Give notice: before ordering or using.
3. Declaration of compliance in accordance with BS EN 13650: Required

### 310 Materials not permitted

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1. Materials: Peat, Products containing peat, River and canal dredgings

### 315 Imported topsoil to BS 3882

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1. **Description:** FOR TREE PITS ONLY
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
  - 4.1. **Soil textural class to BS 3882, Figure 1:** Within the parameters of 'Sandy loam'
5. **Source:** Submit proposals
  - 5.1. **Product reference:** Soil testing is required, Tim O'Hare Associates or similar approved.

### 401 Organic fertilizers

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1. **Description:** FOR TREE PITS AND SCRUB PLANTING
2. **Manufacturer/ source:** Submit proposals
  - 2.1. **Product reference:** Submit proposals
3. **Standard:** In accordance with The EC Fertilizers (England and Wales) Regulations 2006
4. **Purpose:** General purpose fertilizer
5. **Type:** Sanitized and stabilized compost
6. **Availability to plants:** Slow-release
7. **Spreading:** : Spread evenly. Carefully lift and replace any mulch materials.
  - 7.1. **Application rate::** As manufacturer's recommendations

## Execution

### 610 Topsoil analysis

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1. **Soil to be analysed:** Imported topsoil, Manufactured topsoil, Topsoil stockpile, insitu soil
2. **Soil analyst:** Tim O'Hare or similar approved
3. **Samples:** Collect in accordance with BS 3882.
4. **Submit**
  - 4.1. **Declaration of analysis:** In accordance with BS 3882, clause 6 and Table 1.
  - 4.2. **Additional analysis:** Chemical analysis, Phytotoxic and CLEA elements, Potentially toxic elements (PTEs)
  - 4.3. **Report detailing soil analyst's recommendations.**

### 615 Testing of materials

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1. **Material to be analysed:** Site manufactured planting media, Organic materials, Samples from locations to be agreed on site (max 15 locations)
2. **Laboratory:** Contractor's choice
3. **Samples:** Collect in accordance with BS 3882
4. **Submit**
  - 4.1. **Declaration of analysis:** As directed
  - 4.2. **Report detailing analyst's recommendations.**

### 620 Importing topsoil

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

## 625 Sample loads

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1. **Description:** FOR IMPORTED TOPSOIL
2. **Deliver to site a sample load:** of 5 kg
3. **Give notice:** Allow inspection before making further deliveries to site. Retain for comparison with subsequent loads.
  - 3.1. **Notice period:** 7 days

## 650 Notice

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1. **Give notice before**
  - 1.1. **Setting out.**
  - 1.2. **Spreading topsoil.**
  - 1.3. **Applying herbicide.**
  - 1.4. **Applying fertilizer.**
  - 1.5. **Visiting site during maintenance period.**
2. **Period of notice:** 3 working days

## 655 Mechanical tools

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1. **Restrictions:** Do not use within 100 mm of tree and plant stems. Do not damage adjacent planting.

## 660 Grading subsoil for:

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1. **Description:** ALL PLANTING AREAS
2. **Standard:** In accordance with BS 8601.
3. **General:** Grade to smooth flowing contours to achieve specified finished levels of topsoil.
4. **Areas of thicker topsoil:** Excavate locally.
5. **Avoid compaction.**
6. **Excess subsoil:** Remove.

## 665 Subsoil surface preparation for:

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1. **Description:** ALL PLANTING AREAS
2. **Standard:** In accordance with BS 3882.
3. **General:** Excavate and/ or place fill to required profiles and levels, as section D20.
4. **Loosening**
  - 4.1. **When ground conditions are sufficiently dry to allow breaking up of soils, loosen thoroughly to specified depth**
    - 4.1.1. **Light and noncohesive subsoils:** 300 mm
    - 4.1.2. **Stiff clay and cohesive subsoils:** 450 mm
    - 4.1.3. **Rock and chalk subgrades:** Lightly scarify to promote free drainage.
  - 4.2. **Wet conditions:** Do not loosen subsoils.
5. **Stones:** Immediately before spreading topsoil, remove stones larger than 75 mm.
6. **Remove from site:** Arisings, contaminants and debris

## 670 Inspecting formations

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1. **Give notice:** Before spreading topsoil for ALL PLANTING AREAS.
2. **Notice period:** 7 days

## 675 Preparation of undisturbed topsoil

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1. **Standard:** In accordance with BS 4428.
  - 1.1. **Grading and cultivation:** To suit cultivation operations specified in Q30
2. **Hard ground:** Break up thoroughly.
3. **Clearing:** Remove visible roots and large stones with a diameter greater than 75 mm.
4. **Areas covered with turf or thick sward:** Plough or dig over to full depth of topsoil.
5. **Fallow period (minimum):** One month
  - 5.1. **Weed control:** At appropriate times treat with a suitable translocated nonresidual herbicide.

## 680 Surplus topsoil to be retained

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1. **Generally:** Spread and level on site:
  - 1.1. **Locations:** Any areas where topsoil is required for new planting
  - 1.2. **Protected areas:** Do not raise soil level within root spread of trees that are to be retained.

## 685 Surplus materials to be removed

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1. **Topsoil removal from site:** Topsoil remaining after completion of all landscaping work
2. **Subsoil, stones, debris, wrapping material, canes, ties, temporary labelling, rubbish, prunings and other arisings:** Remove.

## 690 Topsoil storage heaps

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1. **Location:** Contractor's choice
2. **Height (maximum):** 1.0 m
3. **Width (maximum):** 5.0 m
  - 3.1. **Formation:** Loose tip and shape from the side only, without running machinery on the heap at any time.
4. **Protection**
  - 4.1. Do not place any other material on top of storage heaps.
  - 4.2. Do not allow construction plant to pass over storage heaps.
  - 4.3. Prevent compaction and contamination, by fencing and covering as appropriate.

## 700 Grading of topsoil

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1. **Topsoil condition:** Reasonably dry and workable.
2. **Contours:** Smooth and flowing, with falls for adequate drainage.
  - 2.1. **Hollows and ridges:** Not permitted.
3. **Give notice:** If required levels cannot be achieved by movement of existing soil.

## 705 Handling topsoil

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1. **Standard:** In accordance with BS 3882.
2. **Aggressive weeds:** Give notice and obtain instructions before moving topsoil.
3. **Plant:** Select and use plant to minimize disturbance, trafficking and compaction.
4. **Contamination:** Do not mix topsoil with:
  - 4.1. Subsoil, stone, hardcore, rubbish or material from demolition work.
  - 4.2. Other grades of topsoil.
5. **Multiple handling:** Keep to a minimum. Use or stockpile topsoil immediately after stripping.
6. **Wet conditions:** Handle topsoil in the driest condition possible. Do not handle during or after heavy rainfall, or when the moisture content is greater than the plastic limit.

### 710 Spreading topsoil on:

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1. **Standard:** In accordance with BS 3882.
2. **Temporary roads/ surfacing:** Remove before spreading topsoil.
3. **Layers**
  - 3.1. **Depth (maximum):** 150 mm.
  - 3.2. **Gently firm** each layer before spreading the next.
4. **Depth after firming and settlement:** 300 or 450 mm, refer to LA097
5. **Crumb structure:** Do not compact topsoil. Preserve a friable texture of separate visible crumbs wherever possible.

### 715 Loose tipping of topsoil

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1. **Standard:** In accordance with BS 3882.
2. **General:** Do not firm, consolidate or compact topsoil when laying. Tip and grade to approximate levels in one operation with minimum of trafficking by plant.

### 718 Final cultivation

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1. **Compacted topsoil:** Break up to full depth.
2. **Tilth:** Loosen, aerate and break up topsoil to a tilth suitable for blade grading.
3. **Depth:** 150 mm
4. **Particle size (maximum):** 10 mm
5. **Timing:** Within a few days before planting
6. **Weather and ground conditions:** Suitably dry.
7. **Surface:** Leave regular and even.
8. **Undesirable material brought to the surface**
  - 8.1. **Remove visible weeds.**
  - 8.2. **Remove roots and large stones** with any dimension exceeding 75 mm.

### 720 Finished levels of topsoil after settlement

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1. **In relation to adjoining paving, kerbs or hard surfaces:** 25 mm above
2. **In relation to adjacent grass areas:** 100 mm above
3. **Seeded areas:** Extend cultivation into existing adjacent grassed areas sufficient to ensure full marrying in of levels.
4. **Within root spread of existing trees and shrubs to be retained:** Do not dig or cultivate.
5. **Adjoining soil areas:** Marry in.
6. **Thickness of turf or mulch:** Included.

### 845 Applying loose mulch

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1. **Description:** As per LA097 drawing
2. **Timing:** Immediately after planting
3. **Coverage of mulch (minimum)**
  - 3.1. **Planting beds (depth):** 75 mm depth
  - 3.2. **Trees:** 75 mm depth
4. **Finished level of mulch:** 50 mm below adjacent grassed or paved areas

## Completion

### 905 Applying maintenance fertilizer to soil

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1. **Duration:** Carry out the following operations from completion of seeding/ turfing until the end of the rectification period.
2. **Time of year:** After flowering
3. **Application:** Evenly spread, carefully incorporating below mulch materials.
4. **Rate:** To manufacturer's recommendations

Ω End of Section

## Q30

### Seeding/ turfing

#### General information/requirements

##### 115 Seeded areas

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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

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

##### 145 Watering

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1. **Quantity:** Wet full depth of topsoil.
2. **Application:** Even and without displacing seed, seedlings or soil.
3. **Frequency:** As necessary to ensure the establishment and continued thriving of all seeding/turfing.

##### 150 Water restrictions

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1. **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.

##### 160 Notice

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1. Give notice before
  - 1.1. Setting out.
  - 1.2. Applying herbicide.
  - 1.3. Applying fertilizer.
  - 1.4. Preparing seed bed.
  - 1.5. Seeding or turfing.
  - 1.6. Visiting site during maintenance period.
2. Period of notice: 1 week

##### 170 Setting out

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1. **Boundaries:** Mark clearly.
2. **Delineation:** In straight lines or smoothly flowing curves as shown on drawings.

#### Preparation

##### 212 Seed bed cleaning before sowing

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1. **Description:** ALL SEEDED AREAS
2. **Operations:** As seed supplier's recommendations. Existing turf to be stripped and seeded with Emorsgate mixes as per Planting Plans. First remove weeds using repeated cultivation. Then cultivate to bury the surface vegetation and harrow or rake to produce a medium tilth.

## Seeding

### 312 A Wildflower seed mixture PL03

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1. Description: FOR WETLAND AND WILDFLOWER MEADOWS
2. Supplier: Emorsgate Seeds
  - 2.1. Contact details: : [www.wildseed.co.uk](http://www.wildseed.co.uk)
  - 2.2. Mixture reference: EM8 as per Planting Plans.
3. Origin of each species (as defined in Flora Locale's Code of practice for collectors, growers and suppliers of native flora): British Native
4. Application rate: Supplier's recommendations

### 312 B Wildflower seed mixture PL01 & PL02

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1. Description: FOR POND EDGE PLANTING
2. Supplier: Emorsgate Seeds
  - 2.1. Contact details: : [www.wildseed.co.uk](http://www.wildseed.co.uk)
  - 2.2. Mixture reference: EP1 as per Planting Plans.
3. Origin of each species (as defined in Flora Locale's Code of practice for collectors, growers and suppliers of native flora): British Native
4. Application rate: Supplier's recommendations

### 312 C Wildflower seed mixture PL08

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1. Description: FOR ROAD EDGE WILDFLOWER PLANTING
2. Supplier: Emorsgate Seeds
  - 2.1. Contact details: : [www.wildseed.co.uk](http://www.wildseed.co.uk)
  - 2.2. Mixture reference: EM3 as per Planting Plans.
3. Origin of each species (as defined in Flora Locale's Code of practice for collectors, growers and suppliers of native flora): British Native
4. Application rate: Supplier's recommendations

### 313 Grasses seed mixture PL06

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1. Description: FOR ROAD VERGE PLANTING
2. Supplier: Germinal Amenity
  - 2.1. Contact details: : [www.germinalamenity.com](http://www.germinalamenity.com)
  - 2.2. Mixture reference: Germinal A18 as per Planting Plans.
3. Origin of each species (as defined in Flora Locale's Code of practice for collectors, growers and suppliers of native flora): UK origin
4. Application rate: Supplier's recommendations

### 319 Quality of seed

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1. Description: ALL SEEDED AREAS
2. Freshness: Produced for the current growing season.
3. Certification: Blue label certified varieties.
  - 3.1. Standard: EC purity and germination regulations.
  - 3.2. Official Seed Testing Station certificate of germination, purity and composition: Submit when requested.
4. Samples of mixtures: Submit when requested.

### 330 Sowing

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1. **General:** Establish good seed contact with the root zone.
2. **Method:** Manually broadcast, raked and rolled. To supplier's recommendations. Method to suit soil type, proposed usage, location and weather conditions during and after sowing.
  - 2.1. **Distribution:** The seed must be surface sown and can be applied manually or use seed drill, rake level and roll. To get an even distribution and avoid running out divide the seed into two or more parts and sow in overlapping sections. 2 equal sowings at right angles to each other and diagonally to main axis. Do not incorporate or cover the seed. Ensure good seed to soil contact.

### 335 Grass sowing season

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1. **Grass seed generally:** April to June or August to October. Determined by specific weather conditions for the planting season.

### 336 Wildflower sowing season PL06

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1. **Wildflower seed generally:** Either Spring (March-April) or Autumn (September) if conditions are not too wet.

## Turfing - Not Used

## Protecting/cutting

### 530 First cut of grassed areas

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1. **Timing:** When grass is reasonably dry.
  - 1.1. **Height of initial growth:** 75 mm
2. **Preparation**
  - 2.1. **Debris and litter:** Remove.
  - 2.2. **Stones and earth clods larger than 25 mm in any dimension:** Remove
3. **Height of first cut:** 50 mm
4. **Mower type:** Contractor's choice
5. **Arisings:** Remove from site

### 590 Cleanliness

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1. **Soil and arisings:** Remove from hard surfaces.
2. **General:** Leave the works in a clean, tidy condition at Completion and after any maintenance operations.

## Maintenance

### 610 Failures of seeding

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1. **Duration:** Carry out the following operations from completion of seeding/ turfing until: the end of the rectification period.
2. **Defective materials or workmanship:** Areas that have failed to thrive.
  - 2.1. **Exclusions:** Theft or malicious damage.
3. **Method of making good:** Recultivation and reseeding/ returfing.
4. **Timing of making good:** Submit proposals

## **620A Maintaining Road Verge (PL06) and Species Rich Lawn (PL07) areas**

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1. Duration: Carry out the following operations from completion of seeding/ turfing until: the end of the rectification period.
2. Maximum height of growth at any time: 50 mm
3. Preparation: Before each cut remove all litter and debris.
4. Cutting: As and when necessary to a height of 50 mm.
  - 4.1. Cutting regime:: Minimum 4 cuts per year. Cutting must be done by moving to around 25-50mm. Once the grass has become established, a rotational cutting regime will be employed.
5. Trimming: All edges.
  - 5.1. Arisings: Remove.
6. Weed control: Substantially free of broad leaved weeds.
  - 6.1. Method: Repeated cultivation.
7. Stones brought to the surface: Remove regularly.
  - 7.1. Size: Exceeding 25 mm in any dimension.
8. Areas of settlement: Make good.

## **620B Maintaining Grassed Areas with Wildflowers**

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1. Duration: Carry out the following operations from completion of seeding/ turfing until: the end of the rectification period.
2. Maximum height of growth at any time: 75 mm
3. Preparation: Before each cut remove all litter and debris.
4. Cutting: As and when necessary to a height of 50 mm.
  - 4.1. Cutting regime:: Once established, after flowering in July or August take a 'hay cut': cut back with a scythe, petrol trimmer or tractor mower to c 50mm. Mow or graze the re-growth through to late autumn/winter to c 50mm and again in spring if needed.
  - 4.2. Arisings: Leave the 'hay' to dry and shed seed for 1-7 days then remove from site.
5. Weed control: Substantially free of broad leaved weeds.
  - 5.1. Method: Resist cutting the annual weeds until mid to late summer. Then in early August cut, remove and compost.
6. Stones brought to the surface: Remove regularly.
  - 6.1. Size: Exceeding 25 mm in any dimension.
7. Areas of settlement: Make good.

Ω End of Section

## Q31

# External planting

## General information/ requirements

### 112 Site clearance generally

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1. **General:** Remove rubbish, concrete, metal, glass, decayed vegetation and contaminated topsoil.
2. **Stones:** Remove those with any dimension exceeding 75 mm.
3. **Contamination:** Remove material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.
4. **Vegetation:** Selective, clearance in accordance with planting plans. In vicinity of plants & trees proposed for retention, any removals to be by hand.
5. **Large roots:** Grub up and dispose of without undue disturbance of soil and adjacent areas.

### 115 Site clearance for aquatic/ marginal planting

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1. **Clearance**
  - 1.1. **General:** Remove loose debris and rubbish.
  - 1.2. **Contamination:** Remove material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

### 118 Soil conditions

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1. **Soil for cultivating and planting:** Moist, friable and (except in aquatic/ marginal planting) not waterlogged.
2. **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

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1. **General:** Carry out the work while soil and weather conditions are suitable.
  - 1.1. **Strong winds:** Do not plant.

### 125 Times of year for planting

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1. **Deciduous trees and shrubs:** Late October to late March.
2. **Conifers and evergreens:** September/ October or April/ May.
3. **Herbaceous plants (including marginal):** September/ October or March/ April.
4. **Container grown plants:** At any time if ground and weather conditions are favourable.
  - 4.1. **Watering and weed control:** Provide as necessary.
5. **Aquatic plants:** May/ June or September/ October.

### 130 Mechanical tools

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1. **Restrictions:** Do not use within 100 mm of tree and plant stems.

### 145 Watering

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1. **Quantity:** Wet full depth of topsoil.
2. **Application:** Even and without damaging or displacing plants or soil.
3. **Frequency:** As necessary to ensure establishment and continued thriving of planting.

## 150 Water restrictions

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1. **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.

## 160 Notice

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1. **Give notice before**
  - 1.1. Setting out.
  - 1.2. Applying herbicide.
  - 1.3. Applying fertilizer.
  - 1.4. Delivery of plants/ trees.
  - 1.5. Planting shrubs.
  - 1.6. Planting trees into previously dug pits.
  - 1.7. Watering.
  - 1.8. Visiting site during maintenance period.
2. **Period of notice:** Three working days

## 170 Soil requirements

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1. **Type**
  - 1.1. **Tree pits, shrub pits and other backfilling:** Plant pit backfilling soil system, as section Q28
  - 1.2. **Wildflower meadows and other seeded areas:** Plant bed backfilling soil system, as section Q28
  - 1.3. **Mulch applied after planting:** Mulching and top dressing system, as section Q28

## 200 Plants/ Trees – general

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1. **Condition:** Materially undamaged, sturdy, healthy and vigorous.
2. **Appearance:** Of good shape and without elongated shoots.
3. **Hardiness:** Grown in a suitable environment and hardened off.
4. **Health:** Free from pests, diseases, discoloration, weeds and physiological disorders.
5. **Budded or grafted plants:** Bottom worked.
6. **Root system and condition:** Balanced with branch system.
  - 6.1. **Standard:** The National Plant Specification
7. **Species:** True to name.
8. **Origin/ Provenance:** Grown in the United Kingdom for at least one growing season, unless otherwise approved
9. **Definition:** Origin and Provenance have the meaning given in the National Plant Specification.

## 215 Plants/ Trees – specification criteria

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1. **Name, forms, dimensions, provenance and other criteria:** As scheduled and defined in the National Plant Specification (available on CS Design Software Limited's website).

## 235 Container grown plants/ Trees

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1. **Growing medium:** With adequate nutrients for plants to thrive until permanently planted.
2. **Plants:** Centred in containers, firmed and well watered.
3. **Root growth:** Substantially filling containers, but not root bound, and in a condition conducive to successful transplanting.
4. **Hardiness:** Grown in the open for at least two months before being supplied.

5. **Containers:** With holes adequate for drainage when placed on any substrate commonly used under irrigation systems.

## 245 Labelling and information

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1. **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:
  - 1.1. Full botanical name.
  - 1.2. Total number.
  - 1.3. Number of bundles.
  - 1.4. Part bundles.
  - 1.5. Supplier's name.
  - 1.6. Employer's name and project reference.
  - 1.7. Plant specification, in accordance with scheduled National Plant Specification categories.
2. **Additional information:** Submit on request: Country of origin, Date supplied and consignment details or reference.

## 255 Plants/ Trees reserved at supplier's premises

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1. **Types/ Species:** As plant schedule. Inspection of trees required before planting.
2. **Predelivery inspection:** Give notice.
3. **Labelling:** Identify inspected plants/ trees as reserved for use on this project.

## 260 Plant/ Tree substitution

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1. **Plants/ trees unobtainable or known to be likely to be unobtainable at time of ordering:** Submit alternatives, stating:
  - 1.1. Price.
  - 1.2. Difference from specified plants/ trees.
2. **Approval:** Obtain before making any substitution.

## 265 Plant handling, storage transport and planting

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1. **Standard:** To CPSE 'Handling and establishing landscape plants'.
2. **Frost:** Protect plants from frost.
3. **Handling:** Handle plants with care. Protect from mechanical damage and do not subject to shock, e.g. by dropping from a vehicle.
4. **Plant packaging:** Coextruded polyethylene bags with black interior and white exterior
5. **Packaging of bulk quantities:** Pallets or bins sealed with polyethylene and shrink wrapped
6. **Planting:** Upright or well balanced with best side to front.

## 280 Treatment of tree wounds

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1. **Cutting:** Keep wounds as small as possible.
  - 1.1. Cut cleanly back to sound wood using sharp, clean tools.
  - 1.2. Leave branch collars. Do not cut flush with stem or trunk.
  - 1.3. Set cuts so that water will not collect on cut area.
2. **Fungicide/ Sealant:** Do not apply unless instructed. Refer directly to the Arboriculturalist Consultant from RPS.

## 285 Protection of existing grass

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1. **General:** Protect areas affected by planting operations using boards/ tarpaulins.

- 1.1. Excavated or imported material: Do not place directly on grass.
- 1.2. Duration: Minimum period.

## 290 Surplus material

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1. Subsoil, stones, debris, wrapping material, canes, ties, temporary labelling, rubbish, prunings and other arisings: Remove.

## Plant containers - Not Used

## Preparation of planting beds/ planting materials

## 305 Weed control

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1. Description: FOR INVASIVE NON-NATIVE WEEDS
2. Locations: All planting areas
3. General: Prevent weeds from seeding and perennial weeds from becoming established, by contractor's choice of herbicide.

## 385A Geotextile fabric

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1. Description: TO TREE PITS AND SWALE PLANTING
2. Manufacturer: Submit proposals
3. Type: Non-woven
4. Timing: Lay before planting.
5. Watering: Water soil thoroughly before laying.
6. Laying: In close contact with soil surface. Lap or butt joints as recommended by manufacturer, with no gaps.
7. Planting: Cut neat slits or flaps. Refit closely around plant stems.

## 390 Geotextile fabric lining for aquatic/ Marginal planting

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1. Description: TO POND EDGES
2. Manufacturer: Submit proposals
3. Timing: Lay before planting.
4. Laying: In close contact with soil surface. Lap or butt joints as recommended by manufacturer, with no gaps.
5. Planting: Cut neat slits or flaps. Refit closely around plant stems.

## Planting shrubs/ herbaceous plants/ bulbs

## 401A Regular plant layout - Scrub planting PL04

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1. Spacing: As per Plant Schedule
2. Density: As per Plant Schedule
3. General: : Scrub mix to be planted in single species groups of approximately 3-5 plants of 1.5m centres on a grid.

## 401B Regular plant layout - Hedgerow planting PL05

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1. Spacing: As per Plant Schedule
2. Density: As per Plant Schedule
3. General: : Trees/Shrubs to be planted in double staggered rows 250mm apart, at 300mm centres and protected during establishment.

## 406 T-notch planting

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1. **Sizes:** As plant schedule
2. **Description:** : An L-shaped notch should be cut in the soil and held open with a spade whilst the roots of the trees are inserted carefully so that they spread downwards. The notch must be well firmed around the tree, while pulling the plant gently upwards so the original soil mark on the stem is at ground level.

## 455 Planting plugs PL04 & PL05

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1. **Handling:** Keep plants watered and in shade until planted. Do not allow to dry out.
2. **Preparation:** Remove brambles, coarse and invasive weeds from planting sites.
3. **Planting in grass:** Close mow to approximately 50 mm. Remove arisings.
4. **Planting sites:** As Planting Plans
5. **Planting:** Into a hole to suit plug size and shape. Create a cleft at bottom of hole to improve rooting. Gently firm plant into hole.

## 461A Planting aquatic plants in baskets/pots PL02

---

1. **Preparation:** Remove coarse weeds, debris, etc.
2. **Waterproofing membrane below soil:** Do not puncture.
3. **Planting sites:** Form level, stepped or gently sloping areas as scheduled and/ or appropriate to planting water depths and container/ bag sizes and shapes.
4. **Planting:** Lower containers/ bags/ bunches gently into place, keeping plants upright.

## 462 Ballasting aquatic and marginal planting

---

1. **Requirement:** Where containers/ bags are not preweighted, cover with sufficient ballast to prevent flotation and keep plants secure against likely maximum water flow.
  - 1.1. **Ballast:** Washed gravel, maximum size 6 mm

## 471 Naturalized hedges

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

## 480 After planting

---

1. **Watering:** Immediately after planting, thoroughly and without damaging or displacing plants or soil.
2. **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.
3. **Top dressing:** Mulching and top dressing system, as section Q28
  - 3.1. **Depth:** 75 mm

## 486A Tree protection

---

1. **Manufacturer:** Tubex
  - 1.1. **Product reference:** Biodegradable
2. **Type:** Round
3. **Material:** Bio-based materials derived from sugarcane, corn & starch
4. **Support:** Pre-fitted re-release ties, tube installation facing the prevailing wind.
5. **General:** Ensure that protection methods do not impede natural movement of shrubs or restrict growth.

## 486B Scrub protection

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1. **Manufacturer:** Tubex  
Savills (UK) Ltd  
23-04-2024

- 1.1. **Product reference:** Tubex Shrub Shelter
2. **Type:** Round
3. **Material:** Polypropylene (30% recycled material)
4. **Size:** 600mm high x 130-160mm diameter
5. **Colour:** Green
6. **Support:** Single timber stake
7. **General:** Ensure that protection methods do not impede natural movement of shrubs or restrict growth.

## Planting trees

### 505 Tree pits

---

1. **Sizes:** As Planting Plans
2. **Sloping ground:** Maintain horizontal bases and vertical sides with no less than minimum depth throughout.
3. **Pit bottoms:** Excavate with slightly raised centre: Break up base to a depth of 150 mm.
  - 3.1. **Treatment:** Soil ameliorant worked into pit bottoms
4. **Pit sides:** Scarify.
5. **Backfilling material:** Topsoil, as section Q28

### 510 Tree pit root barriers

---

1. **Locations:** Wherever the installed rootball will be within 3 m of an existing underground service route
2. **Manufacturer:** Deeproot
  - 2.1. **Product reference:** Root Barrier 18" Universal Guide
3. **Installation:** With sides vertical. Remove all sharp objects adjacent to barrier.

### 512 Tree pit irrigation and ventilation accessories

---

1. **Locations:** As drawing LA083
2. **Manufacturer:** GreenBlue Urban Ltd
  - 2.1. **Contact details:** : Northpoint  
Compass Park  
Junction road  
Bodiam  
East Sussex  
TN32 5BS
    - 2.1.1. **Telephone:** : +44 (0)1580830800
    - 2.1.2. **Web:** : [www.greenblueurban.com](http://www.greenblueurban.com)
  - 2.2. **Product reference:** RootRain Urban

### 515 Tree pit drainage

---

1. **Locations:** ALL TREE PITS
2. **Performance requirement:** Free draining tree pits in soft landscape. Each individual pit is to be tested for free drainage to the approval of the Contract Administrator.
3. **Depth of excavation:** Increase from specified size to allow for aggregate layer, with base slightly falling to outlet.
4. **Aggregate layer:** Clean gravel or broken stone, with no fines, graded 40 to 20 mm. Bottom of the tree pit.

4.1. Depth: 150mm

5. Completed pits: Test for free drainage before planting.

### **526 Underground guying for tree planting:**

---

1. Description: As per drawing LA097
2. Manufacturer: Platipus Anchors
  - 2.1. Product reference: Plati-Mat
3. Installation: Ensure tree is positioned correctly and vertically prior to tightening guy line tensioners.

### **530 Above ground guying for trees**

---

1. Description: As per drawing LA97
2. Manufacturer: Contractor's choice
  - 2.1. Product reference: Contractor's choice
3. Installation: Ensure tree is positioned correctly and vertically and that no rubbing occurs with guy lines prior to tightening guy line tensioners.

### **535 Tree stakes**

---

1. Stakes: Softwood, peeled chestnut, larch or oak, straight, free from projections and large or edge knots and with pointed lower end.
  - 1.1. Preservative treatment: To provide a 20 year service life
2. Stake size (minimum): 50 mm diameter

### **550 Double staking for**

---

1. Description: All trees apart from trees in swale planting
2. Staking
  - 2.1. Position: Either side of tree position and perpendicular to wind direction.
  - 2.2. Driving: Vertically at least 300 mm into bottom of pit before planting.
  - 2.3. Backfilling: Consolidate material around stake.
  - 2.4. Firming: Sufficiently firm to prevent movement of the rootball/ rootstock.
3. Height of stakes: Cut off just below lowest branch of tree
4. Horizontal bracing: Submit proposals
  - 4.1. Fixing: Nailed to stake within 25 mm of top of stakes
5. Ties: Biodegradable natural fibre
6. Tying: Secure tree firmly but not rigidly to cross bar. Prevent tree from touching cross bar using spacer blocks or cushions if required
7. Nails for fixing ties, belts and webbing: To BS 1202-1, galvanized, minimum 25 mm long and with 10 mm diameter heads.
8. Nails for fixing cross bars: To BS 1202-1, galvanized round wire, minimum 75 mm long and 3.75 mm gauge

### **Woodland/ matrix/ buffer zone planting**

### **605 Existing vegetation/ Weed clearance**

---

1. Surface vegetation clearance: In areas shown on Planting Plans, using suitable nonresidual herbicide
2. Arisings: Remove.

## 617 Removing trees and hedges

---

1. **Identification:** Clearly mark trees and hedges to be removed.
2. **Work near retained trees:** Where canopies overlap, take down trees carefully in small sections to avoid damage to adjacent trees that are to be retained.
3. **Arisings:** Remove.

## 665 Setting out

---

1. **Distance between trees:** As per Planting Plans
2. **Distance between rows:** As per Planting Plans and as determined by planting densities in Plant Schedule. To be agreed on site.
  - 2.1. Plant in staggered rows.

## Protecting/ maintaining/ making good defects

## 710 Maintenance

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1. **Duration:** Carry out the operations in the following clauses from completion of planting until the end of the rectification period.
2. **Frequency of maintenance visits:** In accordance with the agreed maintenance schedule

## 720 Failures of planting

---

1. **Defects due to materials or workmanship not in accordance with the Contract:** Plants/ trees/ shrubs that have failed to thrive.
  - 1.1. **Exclusions:** Theft or malicious damage after completion.
  - 1.2. **Rectification:** Replace with equivalent plants/ trees/ shrubs.
2. **Replacements:** To match size of adjacent or nearby plants of same species or match original specification, whichever is the greater.
3. **Timing of making good:** In accordance with an agreed defects rectification programme

## 740 Cleanliness

---

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

## 750 Planting maintenance generally

---

1. **Weed control:** Maintain weed free area around each tree and shrub.
  - 1.1. **Diameter (minimum):** The larger of 1 m or the surface of original planting pit.
  - 1.2. **Keep planting beds clear of weeds:** By hoeing, by maintaining full thickness of mulch
2. **Planted areas:** Fork over beds as necessary to keep soil loose, with gentle cambers and no hollows. Take care not to reduce depth or effect of mulch.
3. **Precautions:** Ensure that trees and shrubs are not damaged by use of mowers, nylon filament rotary cutters and similar powered tools.
4. **Firming up:** Gently firm loosened soil around trees/ shrubs. Straighten leaning trees/ shrubs.
5. **Trees:** Spray crown when in leaf during warm weather.
  - 5.1. **Timing:** After dusk.
6. **Tree accessories:** Check condition of stakes, ties, guys, guards and irrigation and ventilation systems.
  - 6.1. **Broken or missing items:** Replace.
  - 6.2. **Loose stakes:** Re-firm in the ground or replace as necessary to provide support to the tree.

- 6.3. **Loose guys:** Re-firm anchor points and adjust as necessary to provide support to the tree.
- 6.4. **Ties:** Adjust to accommodate growth and prevent constriction or abrasion.
- 6.5. **Damage to bark:** Cut back neatly with sharp knife. Prevent further damage.
7. **Watering:** As required for healthy establishment, depending on weather conditions

## **760 Planting maintenance – pruning**

---

1. **General:** Prune to promote healthy growth and natural shape.
  - 1.1. **Dead, dying, diseased wood and suckers:** Remove.
  - 1.2. **Timing:** In accordance with the agreed maintenance schedule
  - 1.3. **Trees:** Favour a single central leading shoot.
2. **Arisings:** Remove.

## **780 Maintenance instructions**

---

1. **General:** Before end of the maintenance period, submit printed instructions recommending procedures to be established by the Employer for maintenance of the planting work for one full year: Provide a schedule of any ongoing maintenance problems experienced during the rectification period.

## **790 Final mulching**

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1. **Timing:** At end of the maintenance period.
2. **Watering:** Ensure that soil is thoroughly moistened prior to remulching, applying water where necessary.
3. **Planting beds:** Remulch.
4. **Depth (minimum):** 75 mm
5. **Trees:** Remulch.
6. **Depth (minimum):** 75 mm

Ω End of Section

## Q35

# Landscape maintenance

### Generally

#### 105 Maintenance objectives

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1. Location: All planting areas, grass seeding and trees
  - 1.1. Duration: Replace any failed plants that fail establishment within rectification period but also within the first 5 years of installation (typical timeframe established by LPA).
2. Aims: Enhanced landscape quality, Improved landscape visual amenity
3. Restrictions: As described in the landscape maintenance manual

#### 110 Notice

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1. Give notice before
  - 1.1. Application of herbicide.
  - 1.2. Application of fertilizer.
  - 1.3. Watering.
  - 1.4. Each site maintenance visit.
2. Period of notice: Seven days

#### 130 Reinstatement

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1. Damage or disturbance to soil structure, planting, grass, fencing, hard landscaping, structures or buildings: Reinstatement to original condition.

#### 140 Control of mammalian pests

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1. Specialist firms: Submit proposals
  - 1.1. Method: Submit proposals

#### 155 Watering

---

1. Supply: Potable mains water
2. Quantity: Wet full depth of topsoil
3. Application: Do not damage or loosen plants.
4. Compacted soil: Loosen or scoop out, to direct water to rootzone.
5. Frequency: As necessary for the continued thriving of all planting

#### 160 Water restrictions

---

1. 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 arisings

---

1. General: Unless specified otherwise, dispose of arisings as follows:
  - 1.1. Biodegradable arisings: Remove to recycling facility
  - 1.2. Grass cuttings: Remove to recycling facility
  - 1.3. Tree roots and stumps: Remove to recycling facility
  - 1.4. Shrub and tree prunings: Remove to recycling facility
  - 1.5. Litter and nonbiodegradable arisings: Remove to recycling facility

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## 181 Mechanical equipment

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1. **General:** Minimize.
2. **Prohibited equipment:** Leaf blowers, Chippers
3. **Timing:** Use of mechanical equipment allowed between the hours of 10:00 am and 4:00 pm only

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## 190 Litter

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

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## 195 Protection of existing grass

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1. **General:** Protect areas affected by maintenance operations using boards/tarpaulins. Do not place excavated or imported materials directly on grass.

---

## 197 Cleanliness

---

1. **Soil and arisings:** Remove from hard surfaces.
2. **General:** Leave the works in a clean, tidy condition at completion and after any maintenance operations.

## Grassed areas

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## 211 Maintenance of grassed areas

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1. **Standard:** To BS 7370-3. Carry out maintenance appropriate to each category of turf, as follows:
  - 1.1. **Objectives:** To BS 7370-3, Table 6.
  - 1.2. **Programme:** To BS 7370-3, clause 11.
  - 1.3. **Mowing methods:** To BS 7370-3, Table 3.

---

## 220 Grass cutting generally

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

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## 225 Tree stems

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

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## 240 Mowing strips

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1. **Location:** Along the edge of footpaths and kerb edges
2. **Width (approximate):** 150 mm.
3. **Operations:** Maintain by strimming, mowing and hand weeding

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## 250 Leaf removal

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1. **Operations:** Collect fallen leaves.
2. **Special requirements:** Remove by hand raking
3. **Disposal:** Remove from site for recycling

---

## **255A First cut of Grassed areas**

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1. Description: ALL GRASSED AREAS, WILDFLOWER MEADOWS
2. Height of initial growth: 75-80 mm
3. Preparation
  - 3.1. Debris and litter: Remove.
  - 3.2. Stones and earth clods larger than 25 mm in any dimension: Remove
4. Height of first cut: 75-80 mm
5. Mower type: Contractor's choice
6. Arisings: Remove

---

## **255B First cut of Road Verges**

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1. Description: ROAD VERGES
2. Height of initial growth: 25-50 mm
3. Preparation
  - 3.1. Debris and litter: Remove.
  - 3.2. Stones and earth clods larger than 25 mm in any dimension: Remove
4. Height of first cut: 25-50 mm
5. Mower type: Contractor's choice
6. Arisings: Remove

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## **272 Maintaining grassed areas with perennial wildflowers**

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1. Refer to section Q30:

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## **309 Edges to seeded areas**

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1. Location: Adjacent to planting beds and around trees
2. Timing: After seeded areas are well established.
3. Method: Cut to clean, straight lines or smooth curves. Draw back soil to permit edging.
4. Arisings: Remove.

---

## **340 Spot weed killing in species rich grass areas**

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1. Herbicide: Suitable for suppressing perennial weeds. Localised spot use only. Not to be used close to water courses, brooks, streams, ditches or drains. Preference for hand weeding of large perennial weeds.
2. Operations: Spot-treat ) All broad-leaved weeds, Injurious weed species listed in the Weeds Act 1959 and Wildlife and Countryside Act 1981, Ragworts (Senecio spp.), Thistles (Cirsium spp.), Nettles (Urtica spp.).

## **Flower beds/ seasonal beddings - Not Used**

## **Shrubs/ trees/ hedges**

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## **500 Establishment of new planting**

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1. Duration: Five years
2. Weed control
  - 2.1. Method: Keep planting beds clear of weeds by maintaining full thickness of mulch and occasional weeding by hand.

- 2.2. **Area:** Maintain a weed-free area around each tree and scrub, minimum diameter the larger of 1 m or the surface of the original planting pit.
3. **Soil condition:** Fork over beds to keep soil loose, with gentle cambers and no hollows. Do not reduce depth or effect of mulch.
4. **Watering:** Contractor's choice. Performance requirement to ensure establishment using good horticulture practice.

## 502 Establishment of new planting – fertilizer

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1. **Time of year:** March or April.
2. **Type:** Slow-release
3. **Spreading:** Spread evenly.
  - 3.1. **Application rate:** As manufacturer's recommendations

## 510 Tree stakes and ties

---

1. **Inspection/ maintenance times:** Each visit
2. **Stakes**
  - 2.1. Replace loose, broken or decayed stakes to original specification.
  - 2.2. 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.
3. **Ties:** Adjust, refix or replace loose or defective ties, allowing for growth and to prevent chafing.
  - 3.1. Where chafing has occurred, reposition or replace ties to prevent further chafing.
4. **Removal of stakes and ties:** Two years after planting and when successful and stable establishment can be determined.
  - 4.1. Fill stake holes with lightly compacted soil.

## 520 Refirming of trees and shrubs

---

1. **Timing:** After strong winds, frost heave and other disturbances.
2. **Refirming:** Tread around the base until firmly bedded.
3. **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

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1. **Loose or defective guards:** Adjust, refix or replace to original specification and to prevent chafing.

## 531 Shrub shelters

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1. **Loose or defective shelters:** Adjust, refix or replace to original specification and to prevent chafing.

## 540 Pruning generally

---

1. **Pruning:** In accordance with good horticultural and arboricultural practice.
  - 1.1. **Removing branches:** Do not damage or tear the stem or bark.
  - 1.2. **Wounds:** Keep as small as possible and cut cleanly back to sound wood.
  - 1.3. **Cutting:** Make cuts above and sloping away from an outward-facing healthy bud, angled so that water will not collect on cut area.
  - 1.4. **Larger branches:** Prune neither flush nor leaving a stub, but using the branch bark ridge or branch collar as a pruning guide.
2. **Appearance:** Thin, trim and shape each specimen appropriately to species, location, season, and stage of growth, leaving a well-balanced natural appearance.

3. **Tools:** Use clean sharp secateurs, hand saws or other approved tools. Trim off ragged edges of bark or wood with a sharp knife.
4. **Disease or infection:** Give notice if detected.
5. **Growth retardants, fungicide or pruning sealant:** Do not use unless instructed.

---

### **545 Pruning of excessive overhang**

---

1. **Timing:** Annually
2. **Operations:** Remove growth encroaching onto grassed areas, paths, roads, signs, sightlines and road lighting luminaires.

---

### **555 Pruning trees and shrubs**

---

1. **Standard:** To BS 7370-4.
2. **Special requirements:** Growth retardants not permitted

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### **570 Formative pruning of young trees**

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1. **Standard:** Type and timing of pruning operations to suit the plant species.
2. **Time of year:** Do not prune during the late winter/ early spring sap flow period.
3. **Young trees up to 4 m high**
  - 3.1. **Crown prune** by removing dead branches and reducing selected side branches by one third to preserve a well-balanced head and ensure the development of a single strong leader.
  - 3.2. **Remove duplicated branches** and potentially weak or tight forks. In each case, cut back to live wood.
4. **Whips or feathered trees:** Do not prune.
5. **Operatives:** Member of the Arboricultural Association

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### **600 Trimming rapidly establishing hedges**

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1. **General:** Allow to reach planned height as rapidly as possible.
  - 1.1. **Form:** Trim back lateral branches moderately.

---

### **605 Trimming slowly establishing hedges**

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1. **Operations**
  - 1.1. **Timing:** Cut back hard in June and September to encourage bushy growth down to ground level.
  - 1.2. **Form:** Allow to reach planned dimensions only by gradual degrees, depending on growth rate and habit.

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### **615 Trimming field hedges**

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1. **Operations:** Trim to minimum 1.5m height and profile using suitable mechanical cutters.

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### **620 Removal of dead plant material**

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1. **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.

---

### **630 Dead and diseased plants**

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1. **Removal:** Within one week of notification
2. **Replacement:** In the next scheduled round of replacement planting

### 635 Reinstatement of shrub/ herbaceous areas

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1. Dead and damaged plants: Remove.
2. Mulch/ matting materials
  - 2.1. Carefully move to one side and dig over the soil, leaving it fit for replanting.
3. Do not disturb roots of adjacent plants.
4. Replacement plants
  - 4.1. 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.
  - 4.2. Additional requirements: Submit details and cost of plants before ordering
5. Dressing: Slow-release fertilizer:
  - 5.1. Type: Contractor's choice
  - 5.2. Application rate: As manufacturer's recommendations

### 645 Weed control generally

---

1. Weed tolerance: At all times, weed cover less than 5% and no weed to exceed 100 mm high
2. Adjacent plants, trees and grass: Do not damage.

### 650 Hand-weeding

---

1. General: Remove weeds entirely, including roots.
2. Disturbance: Remove the minimum quantity of soil, and disturb plants, bulbs and mulched surfaces as little as possible.
3. Completion: Rake area to a neat, clean condition.
4. Mulch: Reinstatement to original depth.

### 675 Digging over

---

1. General: Dig over beds. Do not damage existing plants, bulbs and roots.
  - 1.1. Depth of dig (minimum): 150 mm

### 680 Soil aeration

---

1. Compacted soil surfaces
  - 1.1. Prick up: To aerate the soil of root areas and break surface crust.
  - 1.2. Size of lumps: Reduce to crumb and level off.
  - 1.3. Damage: Do not damage plants and their roots.

### 685 Soil level adjustment

---

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

### 690 Maintenance of loose mulch

---

1. Thickness (minimum): 75 mm
  - 1.1. Top up: Every three months
2. Mulch spill on adjacent areas: Remove weeds and rubbish and return to planted area.
3. Weeding: Remove weeds growing on or in mulch by Hand-weeding.

### 695 Fertilizing established trees and scrubs

---

1. Time of year: April through July

2. Type of fertilizer: Slow-release, Organic
3. Application: Spread evenly.
  - 3.1. Rate: As manufacturer's recommendations

## 705 Winter leaf removal

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1. Operations: Take down temporary leaf fences. Collect accumulations of drifted leaves from the vicinity and from planting beds.
2. Arisings: Remove to recycling facility

## Green walls - Not Used

## Tree work

### 810 Tree work generally

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1. Identification: Before starting work agree which trees, shrubs and hedges are to be removed or pruned.
2. Protection: Avoid damage to neighbouring trees, plants and property
3. Standard: To BS 3998.
4. Removing branches: Cut vertical branches similarly, with no more slope on the cut surface than is necessary to shed rainwater.
5. Appearance: Leave trees with a well-balanced natural appearance.
6. Chain saw work: Operatives must hold a certificate of competence.
7. Tree work: To be carried out by an approved member of the Arboricultural Association.

### 815 Additional work

---

1. Defective, diseased, unsafe or weak parts of trees additional to those scheduled for attention: Give notice if detected.

### 825 Prevention of disease transmission

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1. Standard: To BS 3998.

### 830 Cleaning out and deadwooding

---

1. Remove
  - 1.1. Dead, dying or diseased wood, broken branches and stubs.
  - 1.2. Fungal growths and fruiting bodies.
  - 1.3. Rubbish, windblown or accumulated in branch forks.
  - 1.4. Wires, clamps, boards and metal objects, if removable without causing further damage and not part of a support structure that is to be retained.

### 835 Cutting and pruning generally

---

1. Tools: Appropriate, well maintained and sharp.
2. Final pruning cuts
  - 2.1. Chainsaws: Do not use on branches of less than 50 mm diameter.
  - 2.2. Hand saws: Form a smooth cut surface.
  - 2.3. Anvil type secateurs: Do not use.
3. Removing branches: Do not damage or tear the stem.
4. Wounds: Keep as small as possible, cut cleanly back to sound wood leaving a smooth surface, and angled so that water will not collect on the cut area.

5. **Cutting:** Cut at a fork or at the main stem to avoid stumps wherever possible.
6. **Large branches:** Remove only with prior approval
  - 6.1. Remove in small sections and lower to ground with ropes and slings.
7. **Dead branches and stubs:** When removing, do not cut into live wood.
8. **Unsafe branches:** Remove epicormic shoots and potentially weak forks that could fail in adverse weather conditions.
9. **Disease or fungus:** Give notice if detected. Do not apply fungicide or sealant unless instructed.

## **840 Crown reduction/ shaping**

---

1. **General:** Cut back selectively to lateral or sublateral buds or branches to retain flowing branch lines without leaving stumps.
2. **Operations:** Part of an annual maintenance review, agree with client team and their specialist consultants.

## **Water areas - Not Used**

## **Hard landscape areas/ fencing**

## **900 Snow clearance**

---

1. **Clearance:** When instructed
2. **De-icing:** To footpaths, To cycleways
  - 2.1. **Material:** Grit
  - 2.2. **Timing:** When instructed
  - 2.3. **Application rate:** Spread evenly at a rate of As manufacturer's recommendations.

## **910 Hard surfaces and gravel areas**

---

1. **Herbicide:** Apply a suitable foliar-acting or residual herbicide. Allow recommended period for herbicide to take effect before clearing arisings.
2. **Hard surfaces:** Remove litter, leaves and other debris.
3. **Surface gutters and channels:** Remove mud, silt and debris.
4. **Drainage gullies:** Empty traps and flush clean.
5. **Gravel areas:** Rake over. Remove weeds, litter, leaves and debris, and level off.
6. **Repairs to flexible bituminous pavings:** In accordance with the original paving specification or BS 7370-2, clause 4.12.
7. **Stain removal:** In accordance with BS 7370-2, Table 4.

Ω End of Section



Specification created using NBS Chorus