

# Austin-Smith:Lord

Project: Devonshire Gardens

Title: Devonshire Gardens Landscape Design Specification  
Document

Client: Kew Planning & Linc

Project Code: 222006

Number: 222006-ASL-XX-XX-SP-L-0200

Status: Tender Stage

Revision:

Date: 16-03-2023

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## Ss\_15\_10\_30\_27 Earthworks filling on top of Tree Root Protection areas

ADDED

### Systems

#### Ss\_15\_10\_30\_27 Earthworks filling on top of Tree Root Protection areas ADDED

1. Description: Earth filling works on TRP areas for shrub planting
  - 1.1. Soft landscape earthworks to keep the existing levels at tree root protection areas.

Arboriculturist to supervise mounding and planting activities in Tree root protection areas.

Levels are to be kept in these areas with the exception of localised mounds; refer to the planting plan oval-shaped areas. Mounds are to be 1in 3 slopes; no deeper than 400mm. Topsoil to tamper to meet footpath levels - read in conjunction with engineers.

In these areas shrub and ground cover planting is to be supervised by the Arboriculturist.
2. System performance: [Ac\\_85\\_30\\_02/976 Cutting tree roots](#)
3. Subgrade improvement layer:
4. Venting layer:
5. Fill materials: [45-40-85/325 Imported topsoil](#); [Pr\\_15\\_31\\_26\\_46 Landscape area fill materials](#)
6. Ground stabilization products
  - 6.1. Type:
  - 6.2. Fill:
7. Membranes:
8. Samples required:
9. Execution:
10. System completion:

### Products

#### 45-40-85/325 Imported topsoil

Shared by: [Ac\\_85\\_30\\_01/190 Amenity grass maintenance](#)

1. General requirements: [Pr\\_45\\_31\\_89/305 Topsoil, growing medium, subsoil and preparation materials generally](#) .
2. Supplier: Submit proposals .
3. Source: Submit proposals .
4. Standard: To [BS 3882](#).
5. Classification: Multipurpose.

#### Pr\_15\_31\_26\_46 Landscape area fill materials ADDED

1. Description:
2. General requirements:
3. Supplied by:
4. Standard: To [BS 8601](#).
5. Classification:

6. Parameters
  - 6.1. Soil textural class:
  - 6.2. Soil pH:
  - 6.3. Additional requirements:
7. Sampling
  - 7.1. Sampling points:
  - 7.2. Sample load
    - 7.2.1. Mass (minimum):
    - 7.2.2. Volume (minimum):
  - 7.3. Reference samples:
8. Execution:

## **Pr\_45\_31\_89/305 Topsoil, growing medium, subsoil and preparation materials generally**

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Shared by: [Pr\\_45\\_31\\_89\\_41 Imported growing media](#)

1. Purity: Peat-free, and free of pests and disease.
2. Foreign matter: Visually free of undesirable and potentially injurious foreign matter, including fragments and roots of aggressive weeds, sticks, straw, subsoil, pieces of brick, concrete, wire, large lumps of clay or vegetation, metal objects, plastics, treated wood, textiles, sharp fragments of ceramics and glass, and similar foreign objects.
3. Contamination
  - 3.1. Topsoil and growing medium: Do not use if contaminated with subsoil, rubbish or other materials that are: corrosive, explosive or flammable; hazardous to human or animal life; detrimental to healthy plant growth.
  - 3.2. Subsoil: In areas to receive topsoil or planting media, do not use subsoil contaminated with rubbish or other materials that are: corrosive, explosive or flammable; hazardous to human or animal life; detrimental to healthy plant growth.
4. Objectionable odour: Not permitted.
5. Give notice: If evidence or symptoms of soil contamination are discovered on the site or in topsoil or planting media to be imported.
6. Quantity: Provide as necessary to make up any deficiency of topsoil or growing media existing on site and to complete the work.

## **System facility management**

### **Ac\_85\_30\_02/901 Management objectives for amenity planting**

---

Shared by: [Ac\\_85\\_30\\_02/190 Amenity planting maintenance](#)

1. Description:
2. Duration: 1 year.
3. Aims: Enhanced landscape quality;  
Improved landscape visual amenity;  
and Provide wildlife habitat and increase biodiversity.
4. Restrictions: As described in the landscape maintenance manual.
5. Management outcomes: As Maintenance schedule.

### **Ac\_85\_30\_02/902 Notice periods for maintenance visits**

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Shared by: [Ac\\_85\\_30\\_02/190 Amenity planting maintenance](#)

1. Description:
2. Give notice before: Submit proposals .
3. Period of notice: Submit proposals .

## Ac\_85\_30\_02/976 Cutting tree roots REVISED

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Shared by: [Ac\\_85\\_30\\_02/190 Amenity planting maintenance](#)

1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#) Works in Tree Root Protection areas to be supervised by the Arboriculturist.
3. Excavating: Use hand tools only.
4. Protected areas: Do not cut roots within an area which is the larger of: the branch spread of the tree; an area with a radius of half the tree's height, measured from the trunk.
5. Outside protected areas: Give notice of roots exceeding 50 mm in diameter. Do not cut without approval.
6. Cutting
  - 6.1. Cutting: Make clean smooth cuts using a hand saw.
  - 6.2. Wounds: Minimize. Avoid ragged edges.
  - 6.3. Finishing: Pare cut surfaces smooth using a sharp knife.
7. Application of sealant to cuts: Apply to clean cuts by brush as soon as practically possible.
8. Backfilling
  - 8.1. Protection: Cover cut roots with clean sharp sand.
  - 8.2. Material: Backfill with original topsoil.

Ω End of System

## Ss\_25\_14\_63\_86 Bow Top Railing System to Play Area

### Systems

#### Ss\_25\_14\_63\_86 Bow Top Railing System to Play Area

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1. Description: Tangorail TR800 120 bow top railings (RoSPA)
2. System performance: [Ss\\_25\\_14\\_63/255 Performance of children's play area fencing systems](#)
3. System manufacturer: Heras
4. Contact details
  - 4.1. Address: Herons Way  
Doncaster  
DN4 8WA  
South Yorkshire  
United Kingdom  
[info@heras.co.uk](mailto:info@heras.co.uk)
  - 4.2. Telephone: +44 130 236 4551
  - 4.3. Web: [heras.co.uk](http://heras.co.uk)
  - 4.4. Email: [heras.co.uk](mailto:heras.co.uk)
5. Product reference: Tangorail TR800 bow top railing (RoSPA)  
(moss green) + Quantum Playsafe Gate  
Material Steel  
Colour RAL 6005  
Finish Pre-galvanized and coated  
  
Vertical bar diameter 26 mm  
Vertical bar centre-to-centre 110 mm  
Top and bottom rail dimensions 55 x 25 mm  
Post profile Ø 60 mm  
Post centre-to-centre 2565 mm Fixation vertical bars in railing Spring loaded pin  
Bows per panel 11  
Post type (profile) CHS  
Number of fixings per post 2
6. Standard: BS EN 1176.
7. Posts: 2
8. Post foundations: As per engineer's and manufacturer's specification
9. Rails: Horizontal rails, 60 x 40 mm hollow section.
10. Panels: 25 x 25 mm welded at 129 mm centres, 2490 mm wide.
11. System accessories:
12. Worked finish: RAL 6005 (moss green)
13. Standard: To [BS 1722-9](#).

### System performance

#### Ss\_25\_14\_63/255 Performance of children's play area fencing systems

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1. Standard: To [BS EN 1176-1](#).
2. Safety: Avoid child entrapments.

Ω End of System



## Ss\_30\_14\_02\_41

### Impact absorbing rubber mulch resin-bound to play area

#### Systems

#### Ss\_30\_14\_02\_41 Impact absorbing rubber mulch resin-bound to play area

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1. Description: TigerMulch Rubber mulch resin-bound Jungle Jump mix supplied by Redlynch Leisure.
2. System performance: [Ss\\_30\\_14\\_02/215 Play surfacing performance](#)
3. System manufacturer: Redlynch Leisure  
Room 4  
Station Hill House  
Station Hill  
Chippenham  
SN15 1EQ
4. Subgrade improvement layer: Please refer to the engineers' specifications
5. Geotextile below granular sub-base: Please refer to the engineers' specifications
6. Granular sub-base: Please refer to the engineers' specifications
7. Base course: Please refer to the engineers' specifications
8. Impact attenuating layer: 50mm depth
  - 8.1. The manufacturer's website indicates that 50mm depth attenuates an impact fall from 1.7m height.  
  
The proposed play equipment Robinia Nest has a critical falling height of 100 cm  
Kilimanjaro equipment's critical falling height is 145 cm.
9. Surface course:
10. Edge restraints: Required.
11. Applied surface features:
12. Samples required:
13. Execution: [Ss\\_30\\_14\\_02/651 Installation of play surfacing generally](#); [Ss\\_30\\_14\\_02/601 Installation of control samples](#); [Ss\\_30\\_14\\_02/621 Subgrade, sub-base and base requirements under bound aggregate surfaces](#); [Ss\\_30\\_14\\_02/609 Laying acrylic and resin based surfaces generally](#)
14. System completion: [Ss\\_30\\_14\\_02/840 Play surface testing](#); [Ss\\_30\\_14\\_02/850 Documentation for play surfacing](#)

#### System performance

#### Ss\_30\_14\_02/215 Play surfacing performance

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1. Performance requirements
  - 1.1. Generally: In accordance with [BS EN 1176-1](#) and [BS 7188](#).
  - 1.2. Critical fall height (minimum) to BS EN 1177:
  - 1.3. Safety requirements
    - 1.3.1. Generally: To [BS EN 1176-1](#).
    - 1.3.2. Swings: To [BS EN 1176-2](#).
    - 1.3.3. Slides: To [BS EN 1176-3](#).
    - 1.3.4. Cableways: To [BS EN 1176-4](#).
    - 1.3.5. Carousels: To [BS EN 1176-5](#).
    - 1.3.6. Rocking equipment: To [BS EN 1176-6](#).

1.3.7.Spatial network: To [BS EN 1176-11](#).

2. Anticipated usage
  - 2.1. Hours per day:
  - 2.2. Days per week:
  - 2.3. Life expectancy (minimum):
3. Material characteristics
  - 3.1. Standard: To [BS 7188](#).
  - 3.2. Abrasion resistance
    - 3.2.1.Wear index (min): 1.0.
    - 3.2.2.Wear ratio: 1.0 – 3.0.
  - 3.3. Resistance to indentation (max): Residual indentation: 5 mm.
  - 3.4. Tensile properties
    - 3.4.1.Tensile strength (min): Wearing surface: 0.4 MPa. Supporting layer(s): 0.1 MPa.
    - 3.4.2.Elongation at break (min): Wearing surface: 75 %. Supporting layer(s): 25 %.
  - 3.5. Radius of effects of ignition (max): 35 mm, to [BS 7188](#).

## Execution

### **Ss\_30\_14\_02/601 Installation of control samples**

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1. Paving types: Tigermulch rubber mulch resin-bound
2. Purpose: For use as an installation reference sample.
3. Size (minimum):
4. Position:
5. Features to be included:
6. Timing: Construct during preliminary installation. Obtain approval of appearance before proceeding.

### **Ss\_30\_14\_02/609 Laying acrylic and resin based surfaces generally**

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1. Adverse weather during laying of granular pavements
  - 1.1. Frozen materials: Do not use.
  - 1.2. Laying not permitted:
2. Preparation: Remove loose material and rubbish.
3. Method
  - 3.1. Setting out: Start from an edge restraint.
  - 3.2. Adjacent work: Form neat junctions. Do not damage.
  - 3.3. Channels, gullies, etc: Keep clear. Prevent damage.

### **Ss\_30\_14\_02/621 Subgrade, sub-base and base requirements under bound aggregate surfaces**

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1. Accuracy: Base/ sub-base to permit specified flatness/ regularity of finished surfacing.
2. Falls and cambers: Accurately incorporated in the base/ sub-base.
3. Drainage falls (nominal):
4. Compacted thickness (minimum)
  - 4.1. Subgrade improvement layer:
  - 4.2. Sub-base:
  - 4.3. Blinding layer to sub-base

4.3.1.Vehicular areas:

4.3.2.Pedestrian areas:

4.4. Base course:

5. Laying blinding layer to sub base: Compact. Seal interstices. Provide free drainage.

### **Ss\_30\_14\_02/651 Installation of play surfacing generally**

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1. Standard: To [BS EN 1176-1](#), [BS EN 1176-7](#) and [BS EN 1176-2](#).

### **System completion**

### **Ss\_30\_14\_02/840 Play surface testing**

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1. Resistance to abrasive wear, slip resistance, resistance to indentation and ease of ignition: Submit evidence of testing to [BS 7188](#).
2. Critical fall height (minimum) to BS EN 1177: Submit evidence of testing to [BS EN 1177](#).
3. Testing body: A [United Kingdom Accreditation Service \(UKAS\)](#) independent laboratory.
4. Timing: Within 10 days of completing the surfacing works.

### **Ss\_30\_14\_02/850 Documentation for play surfacing**

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1. Submittals
  - 1.1. **Product details:** Product name. Type/ description/ reference of products used. Manufacturer's name and contact details. Manufacturer's recommended inspection and maintenance procedures to maintain safety and impact attenuation performance. Manufacturer's recommended cleaning and maintenance methods, where relevant.
  - 1.2. **Installation details:** Name and contact details of installer. Date of installation. Critical fall height.
2. **Timing:** At Practical Completion.

Ω End of System

## Ss\_30\_14\_80\_98 Woodchip and woodfibre surface paving systems

### Systems

#### Ss\_30\_14\_80\_98 Woodchip and woodfibre surface paving systems

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1. Description: Natural bark mulch to mulched planted areas and informal footpath
2. System performance:
3. Standard: To [BS 7188](#) and [BS EN 1176-1](#).
4. Geotextile below granular sub-base:
5. Granular sub-base:
6. Geotextile below surface course: [Pr\\_25\\_57\\_65/630 Installing geotextile sheet](#)
7. Surface course: [Pr\\_45\\_31\\_63\\_56](#) Natural bark
8. Samples required: [Ss\\_30\\_14\\_80/310 Product samples](#)
9. Execution: Readjust the informal path alignment around existing trees and potential existing native species shrubs. Fix the geotextile with bamboo pegs
10. System completion:

### Products

#### Ss\_30\_14\_80/310 Product samples

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1. Supplied by: GreenTech - Melcourt Contract Bark Chippings Mulch PRODUCT CODE: 180MG1014-PRO
2. Submittals:
3. Purpose: For use as a reference sample.
4. Labelling: Clearly label all submitted samples. State full details of composition of mix.
5. Timing:

### Execution

#### Pr\_25\_57\_65/630 Installing geotextile sheet

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1. Preparation of subgrade: Clean existing plants before installing geotextile under the informal footpath woodchips mulch layer. Readjust the informal path alignment around existing trees and potential existing native species shrubs.
2. Jointing
  - 2.1. Joint type:
  - 2.2. Overlap (minimum): 300 mm.
3. Protection of geotextile sheet:
4. Tears in geotextile sheet: Repair with patch of same material with a minimum overlap of 300 mm beyond extent of damage.

Ω End of System

## Ss\_30\_14\_90\_62 Permeable block paving

### Systems

#### Ss\_30\_14\_90\_62 Permeable block paving

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1. Description: Kellen Breccia Permeable blocks supplied by Hardscape to be installed in the carriageway and parking spaces
2. System performance: Please refer to the engineers' specifications.
3. System manufacturer: Hardscape Products  
Eagley House  
Deakins Business Park  
Egerton  
Bolton  
Lancashire  
United Kingdom  
BL7 9RP  
Tel. +44 (0)1204 565500  
[www.hardscape.co.uk](http://www.hardscape.co.uk)  
[enq@hardscape.co.uk](mailto:enq@hardscape.co.uk)
4. Standard: To [BS 7533-13](#).
5. Subgrade improvement layer: Please refer to the engineers' specifications.
6. Preparation products:
7. Impermeable membrane:
8. Water collectors:
9. Granular sub-base: Please refer to the engineers' specifications.
10. Base course: Please refer to the engineers' specifications.
11. Geotextile below laying course: Please refer to the engineers' specifications.
12. Laying course: Please refer to the engineers' specifications.
13. Paving course
  - 13.1. Paving units: 205x105x80mm  
Kellen Breccia Permeable blocks
  - 13.2. Jointing: Please refer to the engineers' specifications.
14. Applied surface features:
15. Samples required: [Ss\\_30\\_14\\_90/305 Product samples](#)
16. Execution: Please refer to the engineers' specifications.
17. System completion: Please refer to the engineers' specifications.

### Products

#### Ss\_30\_14\_90/305 Product samples

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1. Manufacturer:
2. Submittals:
3. Purpose: For use as a reference sample.
4. Labelling: Clearly label all submitted samples.
5. Timing:

Ω End of System

## Ss\_30\_14\_90\_62 Permeable small unit paving systems Type A

### Systems

#### Ss\_30\_14\_90\_62 Permeable small unit paving systems Type A

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1. Description:
2. System performance:
3. System manufacturer:
4. Standard: To [BS 7533-13](#).
5. Subgrade improvement layer:
6. Preparation products:
7. Impermeable membrane:
8. Water collectors:
9. Granular sub-base:
10. Base course:
11. Geotextile below laying course:
12. Laying course:
13. Paving course
  - 13.1. Paving units:
  - 13.2. Jointing:
14. Applied surface features:
15. Samples required:
16. Execution:
17. System completion:

Ω End of System

## **Ss\_40\_70\_55\_15**

### **Combination play equipment systems**

#### **Systems**

##### **Ss\_40\_70\_55\_15 Combination play equipment systems**

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1. **Description:** Combination of tree play equipment: Nest Swing, Climbing structure and drawing board.
2. **System performance:**
3. **System manufacturer: Supplier:**  
Lars Laj UK Ltd  
Registered office: Charlotte House  
500 Charlotte Road, Sheffield, S2 4ER  
  
Contact:  
info@larslaj.co.uk  
Telephone 0800 2922304
4. **System reference:**
5. **Standards:**
6. **Certification:**
7. **Products:** Kilimanjaro Product symbol: 13090 Line: Nature / Bird Nest Robinia Swing 2 Posts  
Product symbol: 13060 Line: Nature / Blackboard Product symbol: 11289 Line: Discovery
8. **Execution:**
9. **System completion:**

Ω End of System

## Ss\_45\_35\_05\_66

# Pit-planted large tree systems with under ground guying

REVISED

## Systems

### Ss\_45\_35\_05\_66 Pit-planted large tree systems with under ground guying

REVISED

1. Description: For Proposed Trees marked up on Planting Plan
2. Standard: Prepare trees and transplant in accordance with [BS 8545](#).
3. Preparatory work to soil
  - 3.1. Herbicide: NO HERBICIDES. Only natural methods should be used, for instance, mulching.
4. Trees: [Pr\\_45\\_30\\_90\\_74 Rootballed trees](#)
5. Tree pit
  - 5.1. Drainage
    - 5.1.1. Drainage layer: 150mm layer of washed gravel, nominal size 20mm diameter depending on ground conditions
    - 5.1.2. Geotextile membrane above drainage layer: Geotextile membrane used as filter layer for below ground drainage. [Pr\\_25\\_57\\_65\\_60 Geotextile Membrane](#)
  - 5.2. Root barriers: As indicated in the Planting Plan  
Irrigation/ aeration pipe Mona Relief Grande Tree irrigation watering system. Ref: 170UR 120-PRO MRG5A - 5m x 60mm - 1530mm  
  
Green-tech, Rabbit Hill Business Park, Great North Road, Arkendale, HG5 0FF. Phone - 01423369727, Email - sales@green-tech.co.uk
  - 5.3. Underground supports: [Pr\\_45\\_63\\_64\\_72 Under ground Guying System - Root ball securing frames](#)
  - 5.4. Irrigation and aeration accessories: Irrigation/ aeration pipe Mona Relief Grande Tree irrigation watering system. Ref: 170UR 120-PRO MRG5A - 5m x 60mm - 1530mm  
  
Green-tech, Rabbit Hill Business Park, Great North Road, Arkendale, HG5 0FF. Phone - 01423369727, Email - sales@green-tech.co.uk
  - 5.5. Tree pit backfill material: [Ss\\_45\\_35\\_05/509 Site-prepared tree and shrub pit backfilling material](#)
6. Tree pit surfacing
  - 6.1. Loose fill tree pit surfacing: [Pr\\_45\\_31\\_63\\_56 Natural bark](#)
7. Execution: [Ss\\_45\\_35\\_05/601 Amenity planting generally](#); [Ss\\_45\\_35\\_05/603 Times of year for amenity planting](#); [Ss\\_45\\_35\\_05/605 Climatic conditions for amenity planting](#); [Ss\\_45\\_35\\_05/607 Notice for tree and shrub planting operations](#); [Ss\\_45\\_35\\_05/609 Protection of existing grass during amenity planting](#); [Ss\\_45\\_35\\_05/610 Water restrictions](#); [Ss\\_45\\_35\\_05/611 Disposal of arisings](#); [Ss\\_45\\_35\\_05/612 Cultivation of topsoil](#); [Ss\\_45\\_35\\_05/613 Preparation of undisturbed topsoil](#); [Ss\\_45\\_35\\_05/642 Planting amenity trees in pits](#); [Ss\\_45\\_35\\_05/692 Applying loose mulch around trees](#); [Ss\\_45\\_35\\_05/703 Double staking](#)
8. System completion: [Ss\\_45\\_35\\_05/801 Operations immediately after planting Type A](#); [Ss\\_45\\_35\\_05/802 Establishment of new planting Type A](#); [Ss\\_45\\_35\\_05/806 Watering new planting Type A](#); [Ss\\_45\\_35\\_05/807 Final mulching of planting beds and trees Type A](#); [Ss\\_45\\_35\\_05/809 Plants that have failed to thrive Type A](#)

## Products

### Pr\_25\_57\_65\_60 Geotextile Membrane

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Shared by: [Ss\\_45\\_35\\_30\\_62 Pit-planted tree with triple stake fixing system](#)

1. Description: Geotextile Membrane
2. Manufacturer: Contractors choice
3. Material: Terram 1000 supplied by Green-tech or equal and approved
4. Purpose: Protection layer. Weed control layer.
5. Standard: To [BS EN 13249](#).
6. Execution: [Pr\\_25\\_57\\_65/630 Installing geotextile sheet Type A](#)

### Pr\_45\_30\_90/305 Nursery stock generally – trees, shrubs and woody climbers

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1. General requirements
  - 1.1. Condition: Materially undamaged, sturdy, healthy and vigorous.
  - 1.2. Appearance: Of good shape and without elongated shoots, appropriate to species and variety.
  - 1.3. Hardiness: Grown in a suitable environment and hardened off.
  - 1.4. Health: Free from pests, diseases, discoloration, weeds and physiological disorders.
  - 1.5. Budded or grafted plants: Bottom worked. Visible suckers to be removed flush with rootstock. Trees to be budded or grafted on fully compatible rootstock appropriate to the type. Union to be well callused.
  - 1.6. Root system and condition: Balanced with branch system.
  - 1.7. Species: True to name.
2. Delivery label requirements
  - 2.1. Standard: To the [National Plant Specification](#).
  - 2.2. Labels to provide the following information: Full botanical name; Total number; Number of bundles; Part bundles; Supplier's name; Employer's name and project reference; and Plant specification, in accordance with scheduled [National Plant Specification](#) categories.
  - 2.3. Additional information: Date supplied and consignment details or reference.

### Pr\_45\_30\_90\_74 Rootballed trees

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Shared by: [Ss\\_45\\_35\\_30\\_62 Pit-planted tree with triple stake fixing system](#)

1. Description: For Proposed Trees
2. General requirements: [Pr\\_45\\_30\\_90/305 Nursery stock generally – trees, shrubs and woody climbers](#)
3. Supplied by: Locally sourced, contractors choice
4. Standards: Trees and shrubs to [BS 3936-1](#).
5. Botanical name: As per planting schedule
6. Form: As per planting schedule
7. Age and condition: As per planting schedule
8. Girth: As per planting schedule
9. Height: As per planting schedule
10. Clear stem height (minimum): As per planting schedule
11. Root condition and protection: Rootballs to be firm and solid, free of perennial weeds and enclosed in hessian, which must decompose within 18 months of planting and not constrict continuing growth of the plant. Roots to penetrate the whole ball.

12. Number of breaks or stems (minimum): As per planting schedule
13. Origin and provenance: Local provenance.
14. Shape: As per planting schedule
15. Execution: [Pr\\_45\\_30\\_90/614 Plant handling, storage and transport](#)

#### **Pr\_45\_31\_63\_56 Natural bark**

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Shared by: [Ss\\_45\\_35\\_30\\_62 Pit-planted tree with triple stake fixing system](#) and [Ac\\_85\\_30\\_02/190 Amenity planting maintenance](#)

1. Description: Melcourt Contract Bark Chippings Mulch PRODUCT CODE: 180MG1014-PRO
2. Supplied by: Green-tech  
Rabbit Hill Business Park  
Great North Road  
Arkendale  
HG5 0FF  
  
sales@green-tech.co.uk  
tel. 01423 369727
3. Source:
4. Quality: Dry, no decomposition, no signs of mould or fungi. Free of methyl bromide and other contaminants.

#### **Pr\_45\_63\_64\_72 Under ground Guying System - Root ball securing frames**

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1. Description: ArborGuy Deadman Anchor supplied by Green Blue Urban
2. Manufacturer: Green Blue Urban  
Northpoint  
Compass Park  
Junction Road  
Bodiam TN32 5BS  
PHONE  
01580 830 800  
GENERAL ENQUIRIES  
[enquiries@greenblue.com](mailto:enquiries@greenblue.com)  
SALES & ESTIMATING  
[estimating@greenblue.com](mailto:estimating@greenblue.com)  
TECHNICAL ENQUIRIES  
[technical@greenblue.com](mailto:technical@greenblue.com)
3. Rootball size (diameter): As per Planting Schedule
4. Tensioning devices: Galvanized steel cables and ratchet tensioner.
5. Anchors
  - 5.1. Type: Strapped anchor deadman guying system
  - 5.2. Number: supplied with 3 slip knot ratchet tensioners
6. Accessories: As per manufacturer's instructions
7. Execution: As per manufacturer's instructions

#### **Ss\_45\_35\_05/509 Site-prepared tree and shrub pit backfilling material**

---

1. Composition: Dependent on soil test results. Interpretation of the results and any recommendations for amelioration is to meet the criteria set out in the specification and BS 3882:2015. Previously prepared mixture of topsoil excavated from pit and additional soil ameliorants and/ or fertilizer as required.
2. Backfill base material: Excavated topsoil, or imported topsoil as necessary

## Execution

### Pr\_25\_57\_65/630 Installing geotextile sheet Type A

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1. Preparation of subgrade: Before laying sheet, remove humps and sharp projections.
2. Tears in geotextile sheet: Repair with patch of same material with a minimum overlap of 300 mm beyond extent of damage.

### Pr\_45\_30\_90/614 Plant handling, storage and transport

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1. Standard: In accordance with HTA [Handling and establishing landscape plants](#).
2. Plants reserved at supplier's premises
  - 2.1. Species: As Plant schedule.
  - 2.2. Pre-delivery inspection: Required. Give notice.
  - 2.3. Labelling: Identify inspected plants as reserved for use on this project.
3. Extreme cold: Protect plants from frost.
4. Handling: Handle plants with care. Protect from mechanical damage and do not subject to shock, e.g. by dropping from a vehicle.
5. Packaging of bulk quantities: Pallets or bins sealed with polyethylene and shrink wrapped.

### Ss\_45\_35\_05/601 Amenity planting generally

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1. Standard: To [HTA Handling and establishing landscape plants](#).
2. Planting: Upright or well balanced with best side to front.

### Ss\_45\_35\_05/603 Times of year for amenity planting

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1. Deciduous trees and shrubs: Late October to late March.

### Ss\_45\_35\_05/605 Climatic conditions for amenity planting

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1. General: Carry out the work while soil and weather conditions are suitable. Do not plant in strong winds.

### Ss\_45\_35\_05/607 Notice for tree and shrub planting operations

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1. Give notice before: Delivery of plants. Setting out. Watering. Planting trees into previously dug pits.
2. Period of notice: 1 week.

### Ss\_45\_35\_05/609 Protection of existing grass during amenity planting

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1. General: Protect areas affected by planting operations, using boards or tarpaulins.
2. Excavated or imported material: Do not place directly on grass.
3. Duration of planting operations: Minimum period.

### Ss\_45\_35\_05/610 Water restrictions

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1. Planting: If water supply is or is likely to be restricted by emergency legislation, do not carry out planting until instructed.
2. After planting: If planting has been carried out, obtain instructions on watering.

### Ss\_45\_35\_05/611 Disposal of arisings

---

1. Generally: Leave the works in a clean, tidy condition at completion.
2. Surplus topsoil: Spread evenly over planting areas prior to planting operations.
3. Biodegradable arisings: Remove to recycling facility.

4. Grass cuttings: Remove to recycling facility.
5. Tree roots and stumps: Remove from site.
6. Shrub and tree prunings: Remove to recycling facility.
7. Litter and nonbiodegradable arisings: Remove from site.
8. Diseased plant material: Remove from site.
9. Stones removed during cultivation and topsoil preparation: Remove from site.
10. Contamination: Remove from site material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

#### **Ss\_45\_35\_05/611 Disposal of arisings Type A**

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1. Generally: Leave the works in a clean, tidy condition at completion.
2. Surplus topsoil: Spread evenly over planting areas prior to planting operations.
3. Biodegradable arisings: Remove to recycling facility.
4. Grass cuttings: Remove to recycling facility.
5. Tree roots and stumps: Remove from site.
6. Shrub and tree prunings: Remove to recycling facility.
7. Litter and nonbiodegradable arisings: Remove from site.
8. Diseased plant material: Remove from site.
9. Stones removed during cultivation and topsoil preparation: Remove from site.
10. Contamination: Remove from site material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

#### **Ss\_45\_35\_05/612 Cultivation of topsoil**

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1. General requirements: [Ss\\_45\\_35\\_05/611 Disposal of arisings Type A](#)
2. Grading and cultivation
  - 2.1. Standard: In accordance with [BS 4428](#).
  - 2.2. Category: C.
3. Working conditions
  - 3.1. Soil condition: Reasonably dry and workable.
  - 3.2. Timing: Within a few days before planting.
  - 3.3. Weather and ground conditions: Suitably dry.
4. Compacted topsoil: Break up to full depth.
5. Soil with root spread of trees and shrubs to be retained: Do not dig or cultivate.
6. Tilth
  - 6.1. Generally: Loosen, aerate and break up topsoil to a tilth suitable for blade grading.
  - 6.2. Depth: 350 mm.
  - 6.3. Particle size (maximum): 15 mm.
7. Surface
  - 7.1. Contours: Smooth and flowing, with falls for adequate drainage.
  - 7.2. Hollows and ridges: Not permitted.
8. Remove visible weeds, roots and large stones with any dimensions exceeding: 200 mm.
9. Give notice: If required levels cannot be achieved by movement of existing soil.

#### **Ss\_45\_35\_05/613 Preparation of undisturbed topsoil**

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1. Hard ground: Break up thoroughly.

2. Remove visible roots and large stones with a diameter greater than: 200 mm.
3. Areas covered with turf or thick sward: Plough or dig over to full depth of topsoil.
4. Fallow period (minimum): One month.
5. Weed control
  - 5.1. Timing before cultivation: As per manufacturers instruction
  - 5.2. Treatment: Re-cultivate at fortnightly intervals to suppress weed growth.

#### **Ss\_45\_35\_05/642 Planting amenity trees in pits**

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1. Pit dimensions
  - 1.1. Plan size (minimum): As per landscape drawing
  - 1.2. Depth (minimum): As per landscape drawing
2. Sloping ground: Maintain minimum depth throughout.
3. Excavated material: Separate topsoil and subsoil material and stockpile for backfilling.
4. Pit bottoms
  - 4.1. Generally: Break up base.
  - 4.2. Profile: Slightly raise centre.
  - 4.3. Break up depth (nominal): 200 mm.
  - 4.4. Treatment: Work soil ameliorant into pit bottoms.
5. Pit sides
  - 5.1. Profile: Vertical.
  - 5.2. Treatment: Scarify.

#### **Ss\_45\_35\_05/692 Applying loose mulch around trees**

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1. Preparation: Clear weeds. Water soil thoroughly.
2. Coverage area: In a circular area of 1000 mm radius measured from tree stem.
3. Depth: 75 mm.
4. Finished level of mulch: 30 mm below adjacent grassed or paved areas.

#### **Ss\_45\_35\_05/703 Double staking**

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1. General: Do not impede natural movement of plants or restrict growth.
2. Position: Either side of tree position and perpendicular to wind direction.
3. Driving: Drive stakes vertically at least 300 mm into bottom of pit before planting.
4. Backfilling: Consolidate material around stakes.
5. Firming: Sufficiently firm to prevent movement of the root system.
6. Height of stakes: Approximately one third of the height of the clear stem of the tree.
7. Horizontal bracing: Install stake cross bar on windward side of the tree and as close as possible to the stem without making contact with the bark. Fix with galvanized round wire nails to [BS 1202-1](#), minimum 75 mm long and 3.75 mm gauge.
8. Tying
  - 8.1. Method: Secure tree firmly but not rigidly to the cross bar without causing constriction or chafing. Prevent tree from touching the cross bar by using spacer blocks, cushions or additional ties if required. Ensure support in all directions.
  - 8.2. Tie position: Within 25 mm of the top of the stakes.
9. Fixing of ties to supports: Nail ties to cross bar using galvanized nails to [BS 1202-1](#), minimum 25 mm long and 10 mm diameter heads. Nail ties to stakes using galvanized nails to [BS 1202-1](#), minimum 25 mm long and 10 mm diameter heads.

## System completion

### **Ss\_45\_35\_05/801 Operations immediately after planting Type A**

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1. **Watering:** Immediately after planting, water thoroughly. Do not damage or displace 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.

### **Ss\_45\_35\_05/802 Establishment of new planting Type A**

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1. **Duration:** End of rectification period
2. **Soil condition:** Fork over beds to keep soil loose, with gentle cambers and no hollows. Do not reduce depth or effect of mulch.

### **Ss\_45\_35\_05/806 Watering new planting Type A**

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1. **Quantity:** Wet full depth of topsoil.
2. **Application:** Even and without damaging or displacing plants or soil.
3. **Trees:** Spray crown when in leaf during warm weather.
4. **Frequency:** As necessary to ensure establishment and continued thriving of planting.
5. **Timing:** After dusk.

### **Ss\_45\_35\_05/807 Final mulching of planting beds and trees Type A**

---

1. **Timing:** At end of the rectification period
2. **Watering:** Thoroughly moisten soil before remulching. Water where necessary.
3. **Depth of mulch (minimum):** 75 mm.

### **Ss\_45\_35\_05/809 Plants that have failed to thrive Type A**

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1. **Defects due to materials or workmanship not in accordance with the Contract**
  - 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:** During the next suitable planting season.

Ω End of System

## Ss\_45\_35\_30\_62

### Pit-planted tree with triple stake fixing system **REVISED**

#### Systems

#### Ss\_15\_10\_30\_90 Topsoil filling systems

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1. Description: For Proposed amenity grass, hedge planting, climbers, wildflower meadows and tree pit systems
2. Fill materials: [Pr\\_45\\_31\\_89\\_42 Imported topsoils](#); [Ss\\_15\\_10\\_30/510 Topsoil Type A](#)
3. Execution: [Ss\\_15\\_10\\_30/724 Spreading topsoil generally](#); [Ss\\_15\\_10\\_30/606 Topsoil analysis](#)

#### Ss\_45\_35\_30\_62 Pit-planted tree with triple stake fixing system **REVISED**

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1. Description: For Proposed Trees marked up on Planting Plan
2. System performance: Prepare trees and transplant in accordance with [BS 8545](#).
3. Herbicide: NO HERBICIDES. Only natural methods should be used, for instance, mulching.
4. Plants: [Pr\\_45\\_30\\_90\\_74 Rootballed trees](#)
5. Tree Pit:
  - 5.1. Drainage Layer:: 150mm layer of washed gravel, nominal size 20mm diameter depending on ground conditions
  - 5.2. Geo Textile Membrane above drainage layer:: Geotextile membrane used as filter layer for below-ground drainage. [Pr\\_25\\_57\\_65\\_60 Geotextile Membrane](#)
  - 5.3. Irrigation and Aeration accessories:: Irrigation/ aeration pipe Mona Relief Grande Tree irrigation watering system. Ref: 170UR 120-PRO MRG5A - 5m x 60mm - 1530mm

Green-tech, Rabbit Hill Business Park, Great North Road, Arkendale, HG5 0FF. Phone - 01423369727, Email - [sales@green-tech.co.uk](mailto:sales@green-tech.co.uk)

- 5.4. Root Barrier:: As indicated in the Planting Plan  
Irrigation/ aeration pipe Mona Relief Grande Tree irrigation watering system. Ref: 170UR 120-PRO MRG5A - 5m x 60mm - 1530mm  
  
Green-tech, Rabbit Hill Business Park, Great North Road, Arkendale, HG5 0FF. Phone - 01423369727, Email - [sales@green-tech.co.uk](mailto:sales@green-tech.co.uk)
6. Pit backfill material: [Ss\\_15\\_10\\_30\\_90 Topsoil filling systems](#); [Ss\\_45\\_35\\_30/509 Site-prepared tree and shrub pit backfilling material](#); [Ss\\_45\\_35\\_30/509 Site-prepared tree and shrub pit backfilling material](#)
7. Mulch: [Pr\\_45\\_31\\_63\\_56 Natural bark](#)
8. Supports: [Pr\\_45\\_63\\_64\\_84 Timber Triple-Stake fixing System](#)
9. Tree root barrier: Refer to the planting plan location  
Terram Rootguard Barrier - Permeable  
PRODUCT CODE: 170UR4200

Green-tech, Rabbit Hill Business Park, Great North Road, Arkendale, HG5 0FF. Phone - 01423369727, Email - [sales@green-tech.co.uk](mailto:sales@green-tech.co.uk)

10. Execution:
11. System completion:

#### Products

See [Pr\\_25\\_57\\_65\\_60 Geotextile Membrane](#) in [Ss\\_45\\_35\\_05\\_66 Pit-planted large tree systems with under ground guying](#)

See [Pr\\_45\\_30\\_90/305 Nursery stock generally – trees, shrubs and woody climbers](#) in  
[Ss\\_45\\_35\\_05\\_66 Pit-planted large tree systems with under ground guying](#)

See [Pr\\_45\\_30\\_90\\_74 Rootballed trees](#) in [Ss\\_45\\_35\\_05\\_66 Pit-planted large tree systems with under ground guying](#)

See [Pr\\_45\\_31\\_63\\_56 Natural bark](#) in [Ss\\_45\\_35\\_05\\_66 Pit-planted large tree systems with under ground guying](#)

## **Pr\_45\_31\_89/305 Topsoil, growing medium, subsoil and preparation materials generally Type A**

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1. **Purity:** Free of pests and disease.
2. **Foreign matter:** Visually free of undesirable and potentially injurious foreign matter, including fragments and roots of aggressive weeds, sticks, straw, subsoil, pieces of brick, concrete, wire, large lumps of clay or vegetation, metal objects, plastics, treated wood, textiles, sharp fragments of ceramics and glass, and similar foreign objects.
3. **Contamination**
  - 3.1. **Topsoil and growing medium:** Do not use if contaminated with subsoil, rubbish or other materials that are: corrosive, explosive or flammable; hazardous to human or animal life; detrimental to healthy plant growth.
  - 3.2. **Subsoil:** In areas to receive topsoil or planting media, do not use subsoil contaminated with rubbish or other materials that are: corrosive, explosive or flammable; hazardous to human or animal life; detrimental to healthy plant growth.
4. **Objectionable odour:** Not permitted.
5. **Give notice:** If evidence or symptoms of soil contamination are discovered on the site or in topsoil or planting media to be imported.
6. **Quantity:** Provide as necessary to make up any deficiency of topsoil or growing media existing on site and to complete the work.

## **Pr\_45\_31\_89\_42 Imported topsoils**

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1. **Description:** If necessary dependant on soil analysis
2. **General requirements:** [Pr\\_45\\_31\\_89/305 Topsoil, growing medium, subsoil and preparation materials generally Type A](#)
3. **Source:** Locally sourced. Contractors choice.
4. **Soil textural class:** Sandy loam.

## **Pr\_45\_63\_64\_84 Timber Triple-Stake fixing System**

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1. **Description:** Tree fixing system Timber Triple-Stake System; supplied by Jacksons Fencing
2. **Manufacturer:** Jacksons Fencing
  - **Address**
    - Stowting Common
    - Ashford
    - Kent
    - TN25 6BN
  - **Telephone:** 01233 750393
  - **Freephone:** 0800 408 2234
  - **Fax:** 01233 750403

- **Email:** [sales@jacksons-fencing.co.uk](mailto:sales@jacksons-fencing.co.uk)

3. **Material:** Softwood, peeled chestnut, larch or oak.
4. **Quality:** Stake stock code: 092100 - Certified timber, straight machine rounded tree stake, pointed and chamfered. Free from projections and large or edge knots.
5. **Preservative treatment:** As per supplier's reference
6. **Cross-section size (minimum):** 75mm
7. **Length:** 2100mm
8. **End profiles:** Pointed at one end, cut square at other.
9. **Accessories:** Spacers and flexible and adjustable rubber ties

### **Ss\_15\_10\_30/510 Topsoil Type A**

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1. **Supplied by:** Contractors choice
2. **Source:** Locally sourced
3. **Notice**
  - 3.1. **Requirement:** Give notice before stripping imported topsoil for transfer to site.
  - 3.2. **Period of notice (minimum):** Seven days.
4. **Texture**
  - 4.1. **Standard:** To [BS 3882](#).
  - 4.2. **Class:** Sandy loam.
5. **Chemical analysis**
  - 5.1. **Standard:** To [BS 1377-3](#).
  - 5.2. **pH (range):** 5.5–8.5.
6. **Organic matter by dry weight (nominal):** Match [BS 3882](#) multipurpose topsoil.
7. **Nutrient content (minimum index values for nitrogen, phosphorus, potassium and magnesium):** Match [BS 3882](#) multipurpose topsoil.
8. **Crumb formation:** Made up of discernible crumbs.
9. **Stones**
  - 9.1. **Size in any dimension (maximum):** 50 mm.

### **Ss\_45\_35\_30/509 Site-prepared tree and shrub pit backfilling material**

---

1. **Composition:** Previously prepared mixture of topsoil excavated from pit and additional soil ameliorants and/ or fertilizer as required.
2. **Backfill base material:** Excavated topsoil.
3. **Additional soil ameliorant materials:**
4. **Fertilizer:**

### **Execution**

See [Pr\\_25\\_57\\_65/630 Installing geotextile sheet Type A](#) in [Ss\\_45\\_35\\_05\\_66 Pit-planted large tree systems with under ground guying](#)

See [Pr\\_45\\_30\\_90/614 Plant handling, storage and transport](#) in [Ss\\_45\\_35\\_05\\_66 Pit-planted large tree systems with under ground guying](#)

## **Ss\_15\_10\_30/606 Topsoil analysis**

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1. **Soil to be analysed:** Site won topsoil prior to soil preparation for all planting, to determine if imported topsoil is required.
2. **Soil analyst:** A laboratory operating in accordance with the requirements of [BS EN ISO/IEC 17025](#)
3. **Samples:** Collect in accordance with [BS 3882](#).
4. **Preparation of samples:** To [BS 3882](#), Annex c.
5. **Tests:** Maximum coarse fragment content. Mass loss on ignition. Soil pH. Plant nutrient content. Carbon:nitrogen ratio. Electrical conductivity. Potentially phytotoxic elements. Visible contaminants. Sharps.
6. **Test results:** Submit report detailing results and topsoil parameters as derived from [BS 3882](#), Table 1.

## **Ss\_15\_10\_30/724 Spreading topsoil generally**

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1. **Method:** Contractors choice
2. **Locations for spreading topsoil:** Any areas where topsoil is required for new planting.
3. **Preparatory works**
  - 3.1. **Levelling and grading:** Excavate and/ or place fill to required profiles and levels. Grade to smooth flowing contours to achieve specified finished levels of topsoil. Avoid overcompaction.
  - 3.2. **Loosening**
    - 3.2.1. **Light and non-cohesive subsoils:** When ground conditions are reasonably dry, loosen thoroughly to a depth of 300 mm.
    - 3.2.2. **Stiff clay and cohesive subsoils:** When ground conditions are reasonably dry, loosen thoroughly to a depth of 450 mm.
    - 3.2.3. **Rock and chalk subgrades:** Lightly scarify to promote free drainage.
  - 3.3. **Removing stones**
    - 3.3.1. **Timing:** Immediately before spreading topsoil.
    - 3.3.2. **Size in any dimension (maximum):** 50 mm.
  - 3.4. **Arisings, contaminants and debris:** Remove from site.
  - 3.5. **Inspecting formations:** Notify.
4. **Temporary roads and surfacing:** Remove before spreading topsoil.
5. **Layers**
  - 5.1. **Depth (maximum):** 150 mm.
  - 5.2. **Firming:** Gently firm each layer before spreading the next.
6. **Depths after firming and settlement (minimum):** 150 mm.
7. **Crumb structure:** Do not compact topsoil. Preserve a friable texture of separate visible crumbs.
8. **Protected areas:** Do not raise soil level within root spread of trees that are to be retained.
9. **Period of notice before spreading topsoil (minimum):** Seven days.

Ω End of System

## Ss\_45\_35\_45\_33

# Grass and wildflower seeding systems

## Systems

### Ss\_45\_35\_45\_33 Grass and wildflower seeding systems

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1. Description: For all Wildflower Meadows areas
2. System performance: [Ss\\_45\\_35\\_45/220 Performance of grass swards and wildflower meadows](#)
3. Topsoil preparation
  - 3.1. Herbicide: NO HERBICIDES. Only natural methods should be used, for instance, hand-digging.
4. Seed: [Pr\\_45\\_30\\_76\\_97 Wildflower seeds A](#)
5. Execution: [Ss\\_45\\_35\\_45/601 Notice for seeding and turfing operations](#); [Ss\\_45\\_35\\_45/602 Water restrictions](#); [Ss\\_45\\_35\\_45/612 Subsoil](#); [Ss\\_45\\_35\\_45/623 Finished levels of subsoil after settlement](#); [Ss\\_45\\_35\\_45/635 Wildflower seeding](#); [Ss\\_45\\_35\\_45/631 Final preparatory works to seed beds and areas to be turfed](#); [Ss\\_45\\_35\\_45/624 Setting out of seeded and turfed areas Type A](#)
6. System completion: [Ss\\_45\\_35\\_45/801 Seeding and turf maintenance up to practical completion](#); [Ss\\_45\\_35\\_45/802 Seeding and turf maintenance up to the end of the rectification period](#); [Ss\\_45\\_35\\_45/803 Failures in the establishment period](#); [Ss\\_45\\_35\\_45/811 Watering](#); [Ss\\_45\\_35\\_45/821 Finishing edges to seeded or turfed areas](#); [Ss\\_45\\_35\\_45/854 Cutting meadows prior to practical completion](#)

## System performance

### Ss\_45\_35\_45/220 Performance of grass swards and wildflower meadows

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

## Products

### Pr\_45\_30\_76\_97 Wildflower seeds A

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1. Description: Wales Wildflower Meadow Seed Mix
2. Supplied by: Mixture EM2 by Emorsgate or similar and approved. Contains a mixture of EM2F (100% native wildflowers) combined with a suitable grass seed mix.
3. Standard: In accordance with the Flora Locale [Code of practice for collectors, growers and suppliers of native flora. Planting with wildlife in mind.](#)
4. Mix type: As per suppliers instructions
5. Species: As per suppliers instructions
6. Origin and provenance: UK origin.
7. Germination testing: Submit germination test results to ISTA [International rules for seed testing](#).
8. Freshness: As per suppliers instructions
9. Execution: As per suppliers instructions

## Execution

### Ss\_45\_35\_45/601 Notice for seeding and turfing operations

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1. Give notice before: Setting out. Preparing seed bed. Seeding or turfing. Watering.

2. Period of notice: One week.

### **Ss\_45\_35\_45/602 Water restrictions**

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1. **Timing of seeding or turfing operations:** If water supply is or is likely to be restricted by emergency legislation do not carry out seeding/ turfing until instructed.
2. **After seeding or turfing:** If seeding or turfing has been carried out and the water supply is or is likely to be restricted by emergency legislation, obtain instructions on watering.

### **Ss\_45\_35\_45/612 Subsoil**

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1. **Grading and cultivation**
  - 1.1. **Standard:** In accordance with BS 8601
  - 1.2. **Category:** Grade to smooth flowing contours to achieve specified finished levels
  - 1.3. **Depth:** 150 mm.
2. **Timing:** Two to three days before seeding or laying turf.
3. **Working conditions**
  - 3.1. **Soil condition:** Reasonably dry and workable.
  - 3.2. **Weather conditions:** Suitably dry.
4. **Compacted subsoil:** Break up to full depth.
5. **Soil within root spread of trees and shrubs to be retained:** Do not dig or cultivate.
6. **Surface**
  - 6.1. **Contours:** Smooth and flowing, with falls for adequate drainage.
  - 6.2. **Hollows and ridges:** Not permitted.
7. **Remove visible weeds, roots and large stones with any dimensions exceeding:** 200 mm.
8. **Marrying in with adjacent levels:** Extend cultivation into adjacent areas sufficiently to ensure full marrying in with no step in level.
9. **Notice:** Give notice if required levels cannot be achieved by movement of existing soil.

### **Ss\_45\_35\_45/623 Finished levels of subsoil after settlement**

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1. **Finished level of topsoil for meadows in relation to adjoining paving, kerbs or hard surfaces:** 50mm below
2. **Finished level of topsoil for grass or meadows in relation to DPC of adjoining buildings (minimum):** 150 mm below.
3. **Finished level of topsoil for meadows in relation to adjoining planting areas:** flush
4. **Within root spread of existing trees:** Do not change levels.
5. **Adjoining grassed areas:** Marry in with adjacent levels.

### **Ss\_45\_35\_45/624 Setting out of seeded and turfed areas Type A**

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

### **Ss\_45\_35\_45/631 Final preparatory works to seed beds and areas to be turfed**

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1. **Seed bed**
  - 1.1. **Generally:** Loosen, aerate and break up topsoil to a tilth suitable for blade grading. Reduce to fine, firm tilth with good crumb structure. Remove visible weeds.
  - 1.2. **Depth of final cultivation:** 300mm
  - 1.3. **Surface preparation:** Rake to a regular, even surface, friable and lightly firmed but not over compacted.

1.4. Size (minimum) of surface stones and earth clods to be removed

1.4.1. Meadow areas: 50 mm.

### **Ss\_45\_35\_45/635 Wildflower seeding**

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1. **Generally:** Establish good seed contact with the seed bed.
2. **Method:** To suit soil type, proposed usage, location and weather conditions during and after sowing.
3. **Distribution:** Two equal sowings at right angles to each other.
4. **Timing:** March to May or August to October.
5. **Application rate:** 3 g/m<sup>2</sup>.
6. **Raking and firming of seed bed:** Lightly rake or harrow the seed bed after seeding. Firm with a lightweight roller.

### **System completion**

### **Ss\_45\_35\_45/801 Seeding and turf maintenance up to practical completion**

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1. **Generally:** Maintain in a manner appropriate to the intended use. Leave the works in a clean, tidy condition.
2. **Seeded and turfed areas**
  - 2.1. **Condition:** Maintain a healthy vigorous sward, free from disease, fungal growth, discolouration, scorch or wilt.
  - 2.2. **Waterlogging and compaction:** Prevent.
  - 2.3. **Damage:** Repair trampling, abrasion or scalping.
  - 2.4. **Litter and fallen leaves:** Remove regularly to maintain a neat appearance.
3. **Visits to site for inspection**
  - 3.1. **Notice:** Give notice before visiting site up to practical completion
  - 3.2. **Period of notice:** One week.

### **Ss\_45\_35\_45/802 Seeding and turf maintenance up to the end of the rectification period**

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1. **Generally:** Maintain in a manner appropriate to the intended use. Leave the works in a clean, tidy condition.
2. **Seeded and turfed areas**
  - 2.1. **Condition:** Maintain a healthy vigorous sward, free from disease, fungal growth, discolouration, scorch or wilt.
  - 2.2. **Waterlogging and compaction:** Prevent.
  - 2.3. **Damage:** Repair trampling, abrasion or scalping.
  - 2.4. **Litter and fallen leaves:** Remove regularly to maintain a neat appearance.
3. **Visits to site for inspections**
  - 3.1. **Notice:** Give notice before visiting site up to the end of the rectification period.
  - 3.2. **Period of notice:** One week.

### **Ss\_45\_35\_45/803 Failures in the establishment period**

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1. **Defective materials or workmanship:** Areas that have failed to thrive.
2. **Exclusions:** Theft or malicious damage.
3. **Method of making good:** Re-cultivation and re-seeding/ re-turfing.
4. **Timing of making good:** The next suitable planting season.

### **Ss\_45\_35\_45/811 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 seeding.

### **Ss\_45\_35\_45/821 Finishing edges to seeded or turfed areas**

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1. **Finishing edges:** Draw back adjacent topsoil and re-form edges to neat straight lines or smooth flowing curves, sloping slightly back from vertical. Keep clear of adjacent topsoil or mulch.

### **Ss\_45\_35\_45/854 Cutting meadows prior to practical completion**

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1. **Conditions for cutting:** When the sward is reasonably dry.
2. **Preparation:** Before each cut remove litter and debris.
3. **Initial cutting**
  - 3.1. **Height:** 100 mm.
  - 3.2. **Timing:** Cut once per year in autumn
4. **Cuttings:** Remove to recycling facility

Ω End of System

## Ss\_45\_35\_45\_35 Grass seeding systems

### Systems

#### Ss\_45\_35\_45\_35 Grass seeding systems

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1. Description: For all Amenity grass areas
2. System performance: [Ss\\_45\\_35\\_45/220 Performance of grass swards and wildflower meadows Type A](#)
3. Topsoil preparation
  - 3.1. Herbicide: NO HERBICIDES. Only natural methods should be used.
4. Seed: [Pr\\_45\\_30\\_76\\_34 Grass seeds](#)
5. Execution: [Ss\\_45\\_35\\_45/602 Water restrictions Type A](#); [Ss\\_45\\_35\\_45/612 Cultivation of topsoil Type A](#); [Ss\\_45\\_35\\_45/601 Notice for seeding and turfing operations Type A](#); [Ss\\_45\\_35\\_45/624 Setting out of seeded and turfed areas](#)
6. System completion: [Ss\\_45\\_35\\_45/803 Failures in the establishment period Type A](#); [Ss\\_45\\_35\\_45/811 Watering Type A](#); [Ss\\_45\\_35\\_45/821 Finishing edges to seeded or turfed areas Type A](#); [Ss\\_45\\_35\\_45/851 First cut of grassed areas](#); [Ss\\_45\\_35\\_45/802 Seeding and turf maintenance up to the end of the rectification period Type A](#); [Ss\\_45\\_35\\_45/801 Seeding and turf maintenance up to practical completion Type A](#)

### System performance

#### Ss\_45\_35\_45/220 Performance of grass swards and wildflower meadows Type A

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

### Products

#### Pr\_45\_30\_76\_34 Grass seeds

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1. Description: AMENITY SEEDED GRASS with scented clover
2. Supplied by: Flowering lawn mixture EL1 by Emorsgate or similar and approved
3. Mix type: As per suppliers instruction
4. Species: As per suppliers instruction
5. Origin and provenance: British grown.
6. Certification
  - 6.1. Standard: As per suppliers instruction
  - 6.2. Level of certification: Blue label certification.
  - 6.3. Submittals: Official Seed Testing Station certificate of germination, purity and composition.
7. Freshness: As per suppliers instruction

### Execution

#### Ss\_45\_35\_45/601 Notice for seeding and turfing operations Type A

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1. Give notice before: Setting out. Preparing seed bed. Seeding or turfing. Watering.
2. Period of notice: One week.

## **Ss\_45\_35\_45/602 Water restrictions Type A**

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1. **Timing of seeding or turfing operations:** If water supply is or is likely to be restricted by emergency legislation do not carry out seeding/ turfing until instructed.
2. **After seeding or turfing:** If seeding or turfing has been carried out and the water supply is or is likely to be restricted by emergency legislation, obtain instructions on watering.

## **Ss\_45\_35\_45/612 Cultivation of topsoil Type A**

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1. **Grading and cultivation**
  - 1.1. **Standard:** In accordance with [BS 4428](#).
  - 1.2. **Category:** C.
  - 1.3. **Depth:** 150 mm.
2. **Timing:** Two to three days before seeding or laying turf.
3. **Working conditions**
  - 3.1. **Soil condition:** Reasonably dry and workable.
  - 3.2. **Weather conditions:** Suitably dry.
4. **Compacted topsoil:** Break up to full depth.
5. **Soil within root spread of trees and shrubs to be retained:** Do not dig or cultivate.
6. **Surface**
  - 6.1. **Contours:** Smooth and flowing, with falls for adequate drainage.
  - 6.2. **Hollows and ridges:** Not permitted.
7. **Remove visible weeds, roots and large stones with any dimensions exceeding:** 200 mm.
8. **Marrying in with adjacent levels:** Extend cultivation into adjacent areas sufficiently to ensure full marrying in with no step in level.
9. **Notice:** Give notice if required levels cannot be achieved by movement of existing soil.

## **Ss\_45\_35\_45/624 Setting out of seeded and turfed areas**

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

## **System completion**

## **Ss\_45\_35\_45/801 Seeding and turf maintenance up to practical completion Type A**

---

1. **Generally:** Maintain in a manner appropriate to the intended use. Leave the works in a clean, tidy condition.
2. **Seeded and turfed areas**
  - 2.1. **Condition:** Maintain a healthy vigorous sward, free from disease, fungal growth, discolouration, scorch or wilt.
  - 2.2. **Waterlogging and compaction:** Prevent.
  - 2.3. **Damage:** Repair trampling, abrasion or scalping.
  - 2.4. **Litter and fallen leaves:** Remove regularly to maintain a neat appearance.
3. **Visits to site for inspection**
  - 3.1. **Notice:** Give notice before visiting site up to practical completion
  - 3.2. **Period of notice:** One week.

### **Ss\_45\_35\_45/802 Seeding and turf maintenance up to the end of the rectification period Type A**

---

1. **Generally:** Maintain in a manner appropriate to the intended use. Leave the works in a clean, tidy condition.
2. **Seeded and turfed areas**
  - 2.1. **Condition:** Maintain a healthy vigorous sward, free from disease, fungal growth, discolouration, scorch or wilt.
  - 2.2. **Waterlogging and compaction:** Prevent.
  - 2.3. **Damage:** Repair trampling, abrasion or scalping.
  - 2.4. **Litter and fallen leaves:** Remove regularly to maintain a neat appearance.
3. **Visits to site for inspections**
  - 3.1. **Notice:** Give notice before visiting site up to the end of the rectification period.
  - 3.2. **Period of notice:** One week.

### **Ss\_45\_35\_45/803 Failures in the establishment period Type A**

---

1. **Defective materials or workmanship:** Areas that have failed to thrive.
2. **Exclusions:** Theft or malicious damage.
3. **Method of making good:** Re-cultivation and re-seeding/ re-turfing.
4. **Timing of making good:** The next suitable planting season.

### **Ss\_45\_35\_45/811 Watering Type A**

---

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 seeding.

### **Ss\_45\_35\_45/821 Finishing edges to seeded or turfed areas Type A**

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1. **Finishing edges:** Draw back adjacent topsoil and re-form edges to neat straight lines or smooth flowing curves, sloping slightly back from vertical. Keep clear of adjacent topsoil or mulch.

### **Ss\_45\_35\_45/851 First cut of grassed areas**

---

1. **Conditions for cutting:** When grass is reasonably dry.
2. **Height of initial growth (nominal):** 40–75 mm.
3. **Preparation**
  - 3.1. **Debris and litter:** Remove from site.
  - 3.2. **Stones and earth clods larger than 25 mm in any dimension:** Remove from site.
4. **Height of first cut (nominal):** 40 mm.
5. **Arisings:** Remove from site.

Ω End of System

## **Ss\_50\_70\_85\_70** **SuDS Rain gardens**

### **Systems**

#### **Ss\_50\_70\_85\_70 SuDS Rain gardens**

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1. Description: Planting to rain gardens as per Planting plan and schedule.
2. System performance: As per engineer's proposals and specification.
3. Rainwater harvesting systems: As per engineer's proposals and specification.
4. Execution: As per engineer's proposals and specification.
5. System completion: As per engineer's proposals and specification.

Ω End of System

## Ac\_85\_30\_01/190 Amenity grass maintenance

### Activities

#### Ac\_85\_30\_01/190 Amenity grass maintenance

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1. Spot weedkilling herbicide: Submit proposals .
2. Pest control: Submit proposals .
3. Maintenance fertilizer: [Pr\\_45\\_31\\_89\\_58 Organic fertilizers](#).
4. Turf: [Pr\\_45\\_57\\_91\\_20 Cultivated turf](#) and [Pr\\_45\\_57\\_91\\_56 Natural turf](#).
5. Top dressing: [45-40-85/325 Imported topsoil](#).
6. Fill material for minor hollows and minor level adjustment: [45-40-85/325 Imported topsoil](#).
7. System facility management: [Ac\\_85\\_30\\_01/903 Disposal of arisings during maintenance operations](#);  
[Ac\\_85\\_30\\_01/921 Weed control generally](#);  
[Ac\\_85\\_30\\_01/923 Spot weedkilling](#);  
[Ac\\_85\\_30\\_01/942 General maintenance of grassed areas with bulbs](#);  
[Ac\\_85\\_30\\_01/945 General maintenance of grassed areas \(including sports turf\)](#);  
[Ac\\_85\\_30\\_01/912 Water restrictions](#);  
[Ac\\_85\\_30\\_01/950 Reinstatement of damaged turf](#);  
[Ac\\_85\\_30\\_01/961 Mowing operations generally](#);  
[Ac\\_85\\_30\\_01/962 Mowing amenity grassland areas](#);  
[Ac\\_85\\_30\\_01/968 Maintaining edges to grassed areas](#);  
and [Ac\\_85\\_30\\_01/969 Protecting tree stems in grassed or meadow areas](#).

### Products

See [45-40-85/325 Imported topsoil](#) in [Ss\\_15\\_10\\_30\\_27 Earthworks filling on top of Tree Root Protection areas](#)

See [Pr\\_45\\_31\\_89/305 Topsoil, growing medium, subsoil and preparation materials generally](#) in [Ss\\_15\\_10\\_30\\_27 Earthworks filling on top of Tree Root Protection areas](#)

#### Pr\_45\_31\_89\_58 Organic fertilizers

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1. Description:
2. Supplier: Submit proposals .
3. Standard: In accordance with the Fertiliser Industry Assurance Scheme (FIAS).
4. Fertilizer type: Maintenance fertilizer - March application (15:10:10 spring turf fertilizer);  
Maintenance fertilizer - September application (5:10:10 autumn turf fertilizer);  
and Lawn fertilizer.
5. Availability to plants: Manufacturer's standard .

#### Pr\_45\_57\_91/300 Turf, pre-planted and pre-seeded products generally

---

1. Condition: Plants to be materially undamaged, healthy and vigorous. Swards shall be dense and closely-knit.
2. Hardiness: Grown in a suitable environment and hardened off.
3. Health: Free from pests, diseases, discoloration, harmful substances, weeds and physiological disorders.
4. Species: True to name.

## **Pr\_45\_57\_91\_20 Cultivated turf**

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1. Description:
2. General requirements: [Pr\\_45\\_57\\_91/300 Turf, pre-planted and pre-seeded products generally](#).
3. Supplied by: Wildflower Turf Ltd  
Ashe Warren Farm  
Overton  
Basingstoke  
Hants  
RG25 3AW  
[wildflower@wildflowerturf.co.uk](mailto:wildflower@wildflowerturf.co.uk)  
01256 771 222
4. Product reference: Species Rich Lawn Turf  
WFT-Species-Rich-26
5. Standard: To [BS 3969](#).
6. Declaration of compliance: Required.
7. Execution: [Pr\\_45\\_57\\_91/609 Handling, storage and transport of turf and pre-planted vegetation products](#).

## **Pr\_45\_57\_91\_56 Natural turf**

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1. Description:
2. General requirements: [Pr\\_45\\_57\\_91/300 Turf, pre-planted and pre-seeded products generally](#) .
3. Supplied by: Wildflower Turf Ltd  
Ashe Warren Farm  
Overton  
Basingstoke  
Hants  
RG25 3AW  
[wildflower@wildflowerturf.co.uk](mailto:wildflower@wildflowerturf.co.uk)  
01256 771 222
4. Product reference: Wildflower Native Enriched Turf  
WFT-Native-Enriched
5. Standard: To [BS 3969](#).
6. Declaration of compliance: Required.
7. Execution: [Pr\\_45\\_57\\_91/609 Handling, storage and transport of turf and pre-planted vegetation products](#).

## **Execution**

### **Pr\_45\_57\_91/609 Handling, storage and transport of turf and pre-planted vegetation products**

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1. Standard: In accordance with [The TGA quality standards for cultivated turf](#).
2. Generally
  - 2.1. Turf: Ensure that turf is delivered to site within 24 hours of lifting. If delay occurs, lay turf out on a cleared level area and keep moist. Arrange deliveries to avoid need for excessive stacking on site.
  - 2.2. [Pre-planted vegetation products](#): Deliver on pallets sealed with polyethylene shrink wrap. Ensure vegetation products do not dry out. Keep moist at all times.
3. Frosty weather or waterlogged ground: Do not lift turf or use frozen materials.
4. Stacking height of turf (maximum): 1.4 m.
5. Dried out or deteriorated turf or pre-planted vegetation products: Do not use.

## System facility management

### Ac\_85\_30\_01/903 Disposal of arisings during maintenance operations

---

1. Description:
2. Generally: Leave the works in a clean, tidy condition after maintenance operations.
3. Surplus topsoil and arisings: Remove from site.
4. Biodegradable arisings: Remove to recycling facility.
5. Grass cuttings: As Maintenance schedule.
6. Litter and non-biodegradable arisings: Remove from site.
7. Diseased plant material: Remove from site.
8. Contamination: Remove from site material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

### Ac\_85\_30\_01/912 Water restrictions

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1. Description:
2. Watering instructions: 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. For seeding/ turfing carried out before emergency legislation comes into force, obtain instructions on watering.

### Ac\_85\_30\_01/921 Weed control generally

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1. Description:
2. Weed tolerance: Substantially free of broad leaved weeds.
3. Method: Application of a suitable selective herbicide.
4. Stones brought to the surface: Remove regularly any exceeding 25 mm in any dimension.
5. Areas of settlement: Make good.
6. Adjacent plants, trees and grass: Do not damage.

### Ac\_85\_30\_01/923 Spot weedkilling

---

1. Description:
2. Weeds to be spot-treated: Broad leaved weeds;  
Docks (Rumex spp);  
Injurious weed species listed in the Weeds Act 1959 and Wildlife and Countryside Act 1981;  
Nettles (Urtica spp);  
Ragworts (Senecio spp);  
Thistles (Cirsium spp);  
and Willowherb (Epilobium spp).

### Ac\_85\_30\_01/942 General maintenance of grassed areas with bulbs

---

1. Description:
2. General requirements: Keep free of litter and plant debris.
3. Waterlogging and compaction of soils: Prevent.
4. Suspension period of grass cutting operations in areas containing bulbs: During the bulb growth and flowering period until the bulb foliage has died back.
5. Interval between end of flowering and start of grass cutting (minimum): As Maintenance manual.

### Ac\_85\_30\_01/945 General maintenance of grassed areas (including sports turf)

---

1. Description:

2. **General requirements:** Maintain turf in a manner appropriate to the intended use. Keep free of litter and plant debris.
3. **Soil and grass**
  - 3.1. **Condition:** Maintain a healthy vigorous sward, free from disease, fungal growth, discolouration, scorch or wilt.
  - 3.2. **Waterlogging and compaction:** Prevent.
  - 3.3. **Damage:** Repair trampling, abrasion or scalping.

#### **Ac\_85\_30\_01/950 Reinstatement of damaged turf**

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1. **Description:**
2. **Standard:** To [BS 7370-3](#).
3. **Damaged turf:** Remove damaged turf leaving neat even edges.
4. **Preparation:** Cultivate substrate to a fine tilth to a depth of 75 mm. Break up lumps and removed stones greater than 25 mm. Lightly consolidate and rake level. Apply fertilizer in accordance with manufacturer's recommendations.
5. **Reinstatement**
  - 5.1. **Returfing:** Lay replacement turf to match existing in stretcher bond pattern. Apply top dressing material evenly to match existing levels.
  - 5.2. **Reseeding:** Fill with fine topsoil to [BS 3882](#) multi-purpose class, free from stones, debris and weeds. Reseed with a seed mix to match existing grass in quality and appearance.
6. **Protection and watering:** Protect and water to ensure good establishment.

#### **Ac\_85\_30\_01/961 Mowing operations generally**

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1. **Description:**
2. **Before mowing:** Remove litter, rubbish and debris.
3. **Finish:** Neat and even, without surface rutting, compaction or damage.
4. **Edges:** Leave neat and well-defined. Neatly trim around obstructions.
5. **Adjoining hard areas:** Sweep clear and remove arisings.
6. **Drought or waterlogged conditions:** Give notice and obtain instructions prior to proceeding with cutting operations.

#### **Ac\_85\_30\_01/962 Mowing amenity grassland areas**

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1. **Description:**
2. **Grass height:** 50–75 mm.
3. **Arisings:** Remove from site.

#### **Ac\_85\_30\_01/968 Maintaining edges to grassed areas**

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1. **Description:**
2. **Locations:** All grass edges.
3. **Timing:** After seeded areas are well established.
4. **Method:** Cut to clean straight lines or smooth curves. Draw back soil to form an edge.
5. **Arisings:** Remove from site.

#### **Ac\_85\_30\_01/969 Protecting tree stems in grassed or meadow areas**

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1. **Description:**
2. **General requirements:** Do not damage bark.
3. **Mowing machinery:** Do not use closer than 100 mm to tree stems.

4. Nylon filament rotary cutters and other hand held mechanical tools: Do not use closer than 100 mm to tree stems.
5. Operations close to stems: Complete using hand tools.

Ω End of Activity

## Ac\_85\_30\_02/190 Amenity planting maintenance **REVISED**

### Activities

#### Ac\_85\_30\_02/190 Amenity planting maintenance

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1. Pest control: Submit proposals .
2. Mulch: [Pr\\_45\\_31\\_63\\_56](#) Natural bark
3. System facility management: [Ac\\_85\\_30\\_02/909](#) Reinstatement after maintenance;  
[Ac\\_85\\_30\\_02/910](#) Disposal of arisings;  
[Ac\\_85\\_30\\_02/911](#) Temporary protection of existing grass;  
[Ac\\_85\\_30\\_02/912](#) Water restrictions;  
[Ac\\_85\\_30\\_02/913](#) Watering;  
[Ac\\_85\\_30\\_02/917](#) Fertilizing amenity planting and herbaceous areas;  
[Ac\\_85\\_30\\_02/921](#) Weed control generally;  
[Ac\\_85\\_30\\_02/924](#) Hand-weeding;  
[Ac\\_85\\_30\\_02/932](#) Litter removal;  
[Ac\\_85\\_30\\_02/943](#) Maintenance of loose mulch;  
[Ac\\_85\\_30\\_02/951](#) Refirming of trees and shrubs;  
[Ac\\_85\\_30\\_02/961](#) Tree work generally;  
[Ac\\_85\\_30\\_02/963](#) Pruning trees and shrubs to BS 7370-4;  
[Ac\\_85\\_30\\_02/970](#) Pruning ornamental shrubs;  
[Ac\\_85\\_30\\_02/971](#) Pruning flowering species of shrubs and roses;  
[Ac\\_85\\_30\\_02/974](#) Giving notice of defective, diseased or unsafe trees;  
[Ac\\_85\\_30\\_02/976](#) Cutting tree roots;  
[Ac\\_85\\_30\\_02/978](#) Trimming rapidly establishing hedges;  
[Ac\\_85\\_30\\_02/979](#) Trimming slowly establishing hedges;  
[Ac\\_85\\_30\\_02/982](#) Laying hedges;  
[Ac\\_85\\_30\\_02/991](#) Maintaining plant supports generally;  
[Ac\\_85\\_30\\_02/994](#) Maintaining tree stakes and ties;  
[Ac\\_85\\_30\\_02/997](#) Maintaining tree guy wires;  
and [Ac\\_85\\_30\\_02/905](#) Maintenance of shrub and herbaceous planting areas.

### Products

See [Pr\\_45\\_31\\_63\\_56](#) Natural bark in [Ss\\_45\\_35\\_05\\_66](#) Pit-planted large tree systems with under ground guying

### System facility management

See [Ac\\_85\\_30\\_02/901](#) Management objectives for amenity planting in [Ss\\_15\\_10\\_30\\_27](#) Earthworks filling on top of Tree Root Protection areas

See [Ac\\_85\\_30\\_02/902](#) Notice periods for maintenance visits in [Ss\\_15\\_10\\_30\\_27](#) Earthworks filling on top of Tree Root Protection areas

#### Ac\_85\_30\_02/905 Maintenance of shrub and herbaceous planting areas

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901](#) Management objectives for amenity planting and [Ac\\_85\\_30\\_02/902](#) Notice periods for maintenance visits.
3. Planted areas: Fork over beds as necessary to keep soil loose, with gentle cambers and no hollows. Do not reduce depth or effect of mulch.
4. Firming up: Gently firm loosened soil around plants. Straighten leaning trees and shrubs.
5. Dead and damaged plants: Remove.

6. **Mulch and matting materials:** Carefully move to one side and dig over the soil, leaving it fit for replanting. Do not disturb roots of adjacent plants.
7. **Replacement plants**
  - 7.1. **Size of pits and plants:** To original specification or to match the size of adjacent or nearby plants of the same species, whichever is the greater.
  - 7.2. **Details:** Submit details and cost of plants before ordering.

#### **Ac\_85\_30\_02/909 Reinstatement after maintenance**

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1. **Description:**
2. **General requirements:** [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. **Damage or disturbance to soil structure, planting, grass, fencing, hard landscaping, structures or buildings:** Reinstatement to original condition.
4. **Cleanliness:** Leave the works in a clean tidy condition at completion and after maintenance operations.

#### **Ac\_85\_30\_02/910 Disposal of arisings**

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1. **Description:**
2. **General requirements:** [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. **Generally:** Maintain the site in a clean, tidy condition.
4. **Biodegradable arisings:** Remove to recycling facility.
5. **Grass cuttings:** Remove to recycling facility.
6. **Tree roots and stumps:** Remove from site.
7. **Shrub and tree prunings:** Remove to recycling facility.
8. **Litter and nonbiodegradable arisings:** Remove from site.
9. **Diseased plant material:** Remove from site.
10. **Surplus topsoil following routine maintenance:** Remove from site.

#### **Ac\_85\_30\_02/911 Temporary protection of existing grass**

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1. **Description:**
2. **General requirements:** [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. **General:** Protect areas affected by maintenance operations using boards and/ or tarpaulins. Do not place excavated or imported materials directly on grass.

#### **Ac\_85\_30\_02/912 Water restrictions**

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1. **Description:**
2. **General requirements:** [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. **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.

#### **Ac\_85\_30\_02/913 Watering**

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1. **Description:**
2. **General requirements:** [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. **Supply:** Submit proposals .

4. Quantity: Wet to field capacity.
5. Application: Do not damage or loosen plants.
6. Compacted soil: Loosen or scoop out. Direct water to rootzone.
7. Frequency: As Maintenance schedule.

#### **Ac\_85\_30\_02/917 Fertilizing amenity planting and herbaceous areas**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. Time of year: During April or May.
4. Method: Spread evenly.
5. Application rate (minimum): Submit proposals .

#### **Ac\_85\_30\_02/921 Weed control generally**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. Scope: All planting areas.
4. General: Keep clear of weeds and prevent from seeding. Prevent perennial weeds from becoming established.
5. Method: By cultivating;  
By hand weeding;  
By hoeing;  
By maintaining full thickness of mulch;  
and By use of approved non-residual herbicides.
6. Individual trees and shrubs: Maintain weed-free area around each tree and shrub to the larger of 1 m diameter or the surface of original planting pit (if any).

#### **Ac\_85\_30\_02/924 Hand-weeding**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. General: Remove weeds entirely, including roots.
4. Disturbance: Remove the minimum quantity of soil, and disturb plants, bulbs and mulched surfaces as little as possible.
5. Completion: Rake area to a neat, clean condition.
6. Mulch: Reinstate to original depth.

#### **Ac\_85\_30\_02/932 Litter removal**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. Extraneous rubbish not arising from the contract work: Collect and remove from site.

#### **Ac\_85\_30\_02/943 Maintenance of loose mulch**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).

3. Thickness (minimum): 50 mm.
4. Top up: As Maintenance schedule.
5. Mulch spill on adjacent areas: Remove weeds and rubbish and return to planted area.

### **Ac\_85\_30\_02/951 Refirming of trees and shrubs**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. Timing: After strong winds, frost heave and other disturbances.
4. Refirming: Tread around the base until firmly bedded.
5. 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.

### **Ac\_85\_30\_02/961 Tree work generally**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. Protection: Avoid damage to neighbouring trees, plants and property.
4. Standards: To [BS 3998](#) and Health and Safety Executive (HSE) 'Forestry and arboriculture safety leaflets'.
5. Appearance: Leave trees with a well-balanced, natural appearance. Favour a single central leading shoot.
6. Dead, dying, diseased wood and suckers: Remove. Prune to promote healthy growth.
7. Timing: In accordance with the Maintenance schedule.
8. Chain saw work: Operatives must hold a Certificate of Competence.
9. Tree work: To be carried out by a member of the Arboricultural Association.

### **Ac\_85\_30\_02/963 Pruning trees and shrubs to BS 7370-4**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. Standard: To [BS 7370-4](#).

### **Ac\_85\_30\_02/970 Pruning ornamental shrubs**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. General: Prune to encourage healthy and bushy growth and desirable ornamental features, e.g. flowers, fruit, autumn colour, stem colour.
4. Suckers: Remove by cutting back level with the source stem or root.

### **Ac\_85\_30\_02/971 Pruning flowering species of shrubs and roses**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. Time of year
  - 3.1. Winter flowering shrubs: Spring.
  - 3.2. Shrubs flowering between March and July: Immediately after the flowering period.

- 3.3. Shrubs flowering between July and October: Back to old wood in winter.
- 3.4. Rose bushes: Early spring to encourage basal growths and a balanced, compact habit.

### **Ac\_85\_30\_02/974 Giving notice of defective, diseased or unsafe trees**

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- 1. Description:
- 2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
- 3. Defective, diseased, unsafe or weak parts of trees additional to those scheduled for attention: Give notice if detected.

See [Ac\\_85\\_30\\_02/976 Cutting tree roots](#) in [Ss\\_15\\_10\\_30\\_27 Earthworks filling on top of Tree Root Protection areas](#) **REVISED**

### **Ac\_85\_30\_02/978 Trimming rapidly establishing hedges**

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- 1. Description:
- 2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
- 3. General: Allow to reach planned height as rapidly as possible.
- 4. Form: Trim back lateral branches moderately.

### **Ac\_85\_30\_02/979 Trimming slowly establishing hedges**

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- 1. Description:
- 2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
- 3. Operations
  - 3.1. Timing: Cut back hard in June and September to encourage bushy growth down to ground level.
  - 3.2. Form: Allow to reach planned dimensions only by gradual degrees, depending on growth rate and habit.

### **Ac\_85\_30\_02/982 Laying hedges**

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- 1. Description:
- 2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
- 3. Operations
  - 3.1. Preparation: Remove rubbish, deadwood and excess live wood.
  - 3.2. Preparing pleachers: Partially cut stems in accordance with [National Hedgelaying Society](#) recommendations.

### **Ac\_85\_30\_02/991 Maintaining plant supports generally**

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- 1. Description:
- 2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
- 3. Inspection
  - 3.1. Scope: Check condition of support structure.
  - 3.2. Frequency of checks: At each scheduled maintenance visit.
- 4. Operations
  - 4.1. Broken or missing items: Replace.
  - 4.2. Rubbing: Prevent.

4.3. Ties: Adjust to accommodate growth.

4.4. Damage to bark: Cut back neatly with sharp knife. Prevent further damage.

### **Ac\_85\_30\_02/994 Maintaining tree stakes and ties**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. Inspection and maintenance times: Immediately after strong winds.
4. Stakes
  - 4.1. Loose, broken or decayed stakes: Replace to original specification.
  - 4.2. Stakes 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.
5. Ties
  - 5.1. Maintenance: Adjust, refix or replace loose or defective ties to allow for growth and to prevent chafing.
  - 5.2. Chafing: Where chafing has occurred, reposition or replace ties to prevent further chafing.
6. Removal of stakes and ties
  - 6.1. Timing: During spring when no longer required to support the tree.
  - 6.2. Stake holes: Fill with lightly compacted soil.

### **Ac\_85\_30\_02/997 Maintaining tree guy wires**

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1. Description:
2. General requirements: [Ac\\_85\\_30\\_02/901 Management objectives for amenity planting](#) and [Ac\\_85\\_30\\_02/902 Notice periods for maintenance visits](#).
3. Inspection and maintenance times: Immediately after strong winds.
4. Operations
  - 4.1. Loose or missing guy wires: Replace or re-secure.
  - 4.2. Wires: Adjust to suit stem growth. Provide correct and uniform tension.
5. Removal: During spring when no longer required to support the tree.

Ω End of Activity

## 45-40-10/311

### Bulbs, corms and tubers

#### Products

##### 45-40-10/311 Bulbs, corms and tubers

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1. General requirements: [Pr\\_45\\_30\\_10/301 Nursery stock generally – bulbs, corms and tubers](#) .
2. Supplied by: Submit proposals .
3. Standards: To [BS 3936-9](#) and In accordance with the [National Plant Specification](#).
4. Origin and provenance: British grown and British provenance.
5. Execution: [Pr\\_45\\_30\\_10/603 Handling and storage of bulbs, corms and tubers](#).

##### Pr\_45\_30\_10/301 Nursery stock generally – bulbs, corms and tubers

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1. General requirements
  - 1.1. Condition: Firm, entire, not dried out or shrivelled.
  - 1.2. Health: Free from pests, diseases, discoloration, fungus and physiological disorders.
  - 1.3. Species: True to name.
2. Delivery label requirements
  - 2.1. Labels to provide the following information: Full botanical name; Total number; Number of bundles; Part bundles; Size class; Supplier's name; Employer's name and project reference; Plant specification, in accordance with scheduled [National Plant Specification](#) categories.

#### Execution

##### Pr\_45\_30\_10/603 Handling and storage of bulbs, corms and tubers

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1. Standard: In accordance with HTA [Handling and establishing landscape plants](#).
2. Bulbs, corms and tubers reserved at supplier's premises
  - 2.1. Species: As Plant schedule.
  - 2.2. Pre-delivery inspection: Required. Give notice.
  - 2.3. Labelling: Identify inspected plants as reserved for use on this project.
3. Handling: Remove from packaging immediately.
4. Storage on site
  - 4.1. Location: Well-ventilated, dark, covered, rodent-proof container. Locate away from exhausts and fruit.
  - 4.2. Duration: Minimum period. Permitted only when necessary.
  - 4.3. Temperature: 18–21°C.

Ω End of Product

## Pr\_25\_93\_60\_17 Concrete permeable paving blocks

### Products

#### Pr\_25\_93\_60\_17 Concrete permeable paving blocks

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1. Description: Permeable Breccia blocks (Kellen line)  
Supplied by Hardscape to be installed in the carriageway and parking spaces as per the engineer's plans.
2. Manufacturer: [Hardscape Products Ltd](#)
3. Contact details
  - 3.1. Address: Eagley House  
Deakins Business Park  
Egerton  
Bolton  
Lancashire  
United Kingdom  
BL7 9RP
  - 3.2. Telephone: [+44 \(0\)1204 565500](tel:+441204565500)
  - 3.3. Web: [www.hardscape.co.uk](http://www.hardscape.co.uk)
  - 3.4. Email: [enq@hardscape.co.uk](mailto:enq@hardscape.co.uk)
4. Product reference:
5. Standard: To BS EN 1338, BS EN 1339 and BS EN 1340.
6. Physical properties
  - 6.1. Colour: Grigio
  - 6.2. Dimensions and associated tolerances
    - 6.2.1. Nominal sizes: 205mmx105mm
7. Thickness: 80mm
8. Accessories:
9. Type:
10. CO2Content: 8 kg/m<sup>2</sup> and ≤70% CO2 reduction over normal cement products.

Ω End of Product

## Pr\_25\_93\_60\_19 Concrete block paving

### Products

#### Pr\_25\_93\_60\_19 Concrete block paving

---

1. Description: Kellen Breccia blocks (Kellen line)  
supplied by Hardscape to be installed in the back gardens
2. Manufacturer: [Hardscape Products Ltd](#)
3. Contact details
  - 3.1. Address: Eagley House  
Deakins Business Park  
Egerton  
Bolton  
Lancashire  
United Kingdom  
BL7 9RP
  - 3.2. Telephone: [+44 \(0\)1204 565500](#)
  - 3.3. Web: [www.hardscape.co.uk](#)
  - 3.4. Email: [enq@hardscape.co.uk](#)
4. Product reference: [Kellen Breccia / Lavarò / Liscio / CERO Paving \(Breccia\)](#)
5. Standard: To BS EN 1338, BS EN 1339 and BS EN 1340.
6. Physical properties
  - 6.1. Colour: Grigio
  - 6.2. Dimensions and associated tolerances
    - 6.2.1. Nominal sizes: 300mmx75mm
7. Thickness: 80mm
8. Accessories:
9. Type: Kellen Breccia
10. CO<sub>2</sub> Content: 8 kg/m<sup>2</sup> and ≤70% CO<sub>2</sub> reduction over normal cement products.
11. Execution:
12. Completion:

Ω End of Product

## Pr\_35\_31\_05\_71 Resin-bound mixed aggregate surfacings

### Products

#### Pr\_35\_31\_05\_71 Resin-bound mixed aggregate surfacings

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1. Description: Addaset - Resin Bound Surfacing System
2. Manufacturer: [Addagrip Terraco Ltd](#)
3. Contact details
  - 3.1. Address: Addagrip House  
Bell Lane Industrial Estate  
Uckfield  
East Sussex  
TN22 1QL
  - 3.2. Telephone: [+44 \(0\)1825 761333](tel:+44(0)1825761333)
  - 3.3. Web: [www.addagrip.co.uk](http://www.addagrip.co.uk)
  - 3.4. Email: [sales@addagrip.co.uk](mailto:sales@addagrip.co.uk)
4. Product reference: [Addaset Resin Bound Porous Decorative Surfacing](#)
5. Aggregate
  - 5.1. Size (nominal): 3mm and 6mm
  - 5.2. Colour: New Scandinavian Pearl
6. Density: 1.06 g/cm<sup>3</sup>.
7. Coverage: Refer to site mix sheets.
8. Application temperature range: 5–30°C.
9. Cure time: Seven days.
10. Shelf life: Three months.
11. Binder course, Sub-base and Base:: Please note that this surfacing course is installed on top of the standard sub-base and on top of Cellweb on the TRP areas (tree root protection areas). Please refer to the engineers' proposals and specifications.

Ω End of Product

## Pr\_40\_30\_25\_13 Blackboard to play area

### Products

#### Pr\_40\_30\_25\_13 Blackboard to play area

---

1. Description: Blackboard Product symbol: 11289 Line: Discovery
2. Manufacturer: Lars Laj UK Ltd  
Registered office: Charlotte House  
500 Charlotte Road, Sheffield, S2 4ER  
  
Contact:  
info@larslaj.co.uk  
Telephone 0800 2922304
3. Arrangement: Ground mounted
4. Dimensions (w x h): 129cm x 96cm
5. Overall height:
6. Frame
  - 6.1. Material: **Wood** Larch wood, Plywood
  - 6.2. Size:
  - 6.3. Finish:
  - 6.4. Colour:
7. Surface
  - 7.1. Markings:
  - 7.2. Colour:
8. Accessories: As per manufacturer's instructions
9. Verification
  - 9.1. Submittals:
  - 9.2. Timing:

Ω End of Product

## Pr\_40\_30\_29\_29 Root fixed timber seating to POS and Play area

### Products

#### Pr\_40\_30\_29\_29 Root fixed timber seating to POS and Play area

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1. Description: Litchard Seat Timber seat to POS area
2. Manufacturer: [Broxap Ltd](#)
3. Contact details
  - 3.1. Address: Rowhurst Industrial Estate  
Chesterton  
Newcastle-under-Lyme  
Staffordshire  
ST5 6BD
  - 3.2. Telephone: [+44 \(0\)1782 571700](tel:+44(0)1782571700)
  - 3.3. Web: [www.broxap.com](http://www.broxap.com)
  - 3.4. Email: [nbs@broxap.com](mailto:nbs@broxap.com)
4. Product reference: [Litchard Seat](#)
5. Length: 1.8 m.
6. Base: Root fixed
7. Material: FSC Iroko timber, Steel frame, Root fixed
8. Colours: Steel frame colour TBC
9. Accessories: Two slat backrest
10. Weight: 80 kg.
11. Dimensions
  - 11.1. Seat height: Length: 1800mm, Width: 510mm, Height: 820mm.

Ω End of Product

## **Pr\_40\_30\_29\_29**

### **Refurbished existing timber elements Type A**

#### **Products**

#### **Pr\_40\_30\_29\_29 Refurbished existing timber elements Type A**

---

1. Description: Refurbishing existing timber elements for installing fixed timber seats in the POS area
2. Manufacturer: Submit proposals Scope of refurbishment works to be discussed with the client
3. Fire performance:
4. Functions: [Ss\\_40\\_20\\_30/823 Requirements for completion](#)
5. Dimensions
  - 5.1. Seat height: 400mm/450mm
6. Seats and backs
  - 6.1. Material: Backrest
  - 6.2. Finish: TBC with client

#### **System completion**

#### **Ss\_40\_20\_30/823 Requirements for completion**

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1. Condition: Leave the works in a clean, tidy condition. Clean immediately before handover.
2. Spares to be supplied:
3. Tools: Supply tools required for operation, maintenance and cleaning purposes.

Ω End of Product

## Pr\_40\_30\_61\_18 Kilimanjaro Combined play structure

### Products

#### Pr\_40\_30\_61\_18 Kilimanjaro Combined play structure

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1. Description: Kilimanjaro Product symbol: 13090 Line: Nature
2. Manufacturer: Lars Laj UK Ltd  
Registered office: Charlotte House  
500 Charlotte Road, Sheffield, S2 4ER  
  
Contact:  
info@larslaj.co.uk  
Telephone 0800 2922304
3. Standard: To [BS EN 1176-1](#).
4. Age range: 3+
5. Highest platform height: 1.45 m
6. Components:
7. Materials: Base material **Wood** - Robinia wood, Stainless steel, Reinforced ropes (PP-Polypropylene)
8. Finish as delivered
  - 8.1. Finish type:
  - 8.2. Film thickness (minimum):
  - 8.3. Colours:
9. Accessories: As per manufacturer's instructions

Ω End of Product

## Pr\_40\_30\_61\_67 Inclusive play swing

### Products

#### Pr\_40\_30\_61\_67 Inclusive play swing

---

1. Description: Bird Nest Robinia Swing 2 Posts Product symbol: 13060 Line: Nature
2. Manufacturer: Lars Laj UK Ltd  
Registered office: Charlotte House  
500 Charlotte Road, Sheffield, S2 4ER  
  
Contact:  
info@larslaj.co.uk  
Telephone 0800 2922304
3. Standards: To [BS EN 1176-1](#) and [BS EN 1176-2](#).
4. Age range: 3+
5. Equipment type: swing
6. Height: Critical fall height 1m
7. Seats
  - 7.1. Type: As per manufacturer's instructions
  - 7.2. Number of swings: 1
  - 7.3. Materials: - The bird nest swing seat is hung on two posts installed at a slanted angle.
    - The swing posts are made of durable **robinia wood**.
    - The bird nest swing seat is handcrafted and made of strong polypropylene braided ropes.
    - The seat is available in two colours: black and beige.
    - Chains and shackles are stainless steel.
  - 7.4. Ground clearance:
8. Accessories: As per manufacturer's instructions
9. Execution: As per manufacturer's instructions

Ω End of Product

## Pr\_45\_30\_80\_08 Bare-root shrubs

### Products

#### Pr\_45\_30\_80\_08 Bare-root shrubs

---

1. Description: As per planting schedule
2. General requirements: Reference to missing clause Nursery stock generally – trees, shrubs and woody climbers .
3. Supplied by: Submit proposals .
4. Standards: Trees and shrubs to [BS 3936-1](#) and In accordance with the [National Plant Specification](#).
5. Height or spread: Refer to Planting Schedule.
6. Root condition and protection: Bare root (bagged: co-extruded polythene – black inside, white outside), containing and enclosing the whole root system.
7. Origin and provenance: British grown and British provenance.
8. Execution: [Pr\\_45\\_30\\_90/614 Plant handling, storage and transport Type A](#).

### Execution

#### Pr\_45\_30\_90/614 Plant handling, storage and transport Type A

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Shared by: [Pr\\_45\\_30\\_80\\_20 Container-grown shrubs](#)

1. Standard: In accordance with HTA [Handling and establishing landscape plants](#).
2. Plants reserved at supplier's premises
  - 2.1. Species: As Plant schedule.
  - 2.2. Pre-delivery inspection: Required. Give notice.
  - 2.3. Labelling: Identify inspected plants as reserved for use on this project.
3. Extreme cold: Protect plants from frost.
4. Handling: Handle plants with care. Protect from mechanical damage and do not subject to shock, e.g. by dropping from a vehicle.
5. Packaging of bulk quantities: Pallets or bins sealed with polyethylene and shrink wrapped.

Ω End of Product

## Pr\_45\_30\_80\_20 Container-grown shrubs

### Products

#### Pr\_45\_30\_80\_20 Container-grown shrubs

---

1. Description: As per planting schedule
2. General requirements: Reference to missing clause Nursery stock generally – trees, shrubs and woody climbers .
3. Supplied by: Submit proposals .
4. Standards: Trees and shrubs to [BS 3936-1](#) and In accordance with the [National Plant Specification](#).
5. Height or spread: Refer to drawing 1521 Planting Schedule.
6. Root condition and protection: Container grown. Plants to be centred in the container, well rooted, firm and moist on delivery. Surface of the growing medium to be free of all weeds. Container to have adequate holes for drainage when placed on any substrate.
7. Size of container: Refer to Planting Schedule.
8. Origin and provenance: British grown and British provenance.
9. Execution: [Pr\\_45\\_30\\_90/614 Plant handling, storage and transport Type A](#).

### Execution

See [Pr\\_45\\_30\\_90/614 Plant handling, storage and transport Type A](#) in [Pr\\_45\\_30\\_80\\_08 Bare-root shrubs](#)

Ω End of Product

## Pr\_45\_31\_63\_56 Natural bark Type A

### Products

#### Pr\_45\_31\_63\_56 Natural bark Type A

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1. Description: For Proposed Trees
2. Supplied by: Locally sourced, contractors choice
3. Source: Locally sourced, contractors choice
4. Quality: Dry, no decomposition, no signs of mould or fungi. Free of methyl bromide and other contaminants.

Ω End of Product

## Pr\_45\_31\_89\_41 Imported growing media

### Products

See [Pr\\_45\\_31\\_89/305 Topsoil, growing medium, subsoil and preparation materials generally](#) in [Ss\\_15\\_10\\_30\\_27 Earthworks filling on top of Tree Root Protection areas](#)

### Pr\_45\_31\_89\_41 Imported growing media

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1. Description:
2. General requirements: [Pr\\_45\\_31\\_89/305 Topsoil, growing medium, subsoil and preparation materials generally](#).

Any site won topsoil and turf to be retained, carefully stored as specified and re-used, where possible. Contractor to provide notice of volume of material for re-use for agreement. Contractor to allow for topsoil tests to BS 3882, and the addition of ameliorate or otherwise as determined by the test result.

3. Supplier: Submit proposals .
4. Source: Manufacturer's standard .
5. Growing medium: Urban tree planting soil.
6. Soil textural class
  - 6.1. Standard: To [BS 3882](#).
  - 6.2. Class: Any class within the acceptable range indicated in [BS 3882](#), Figure 1.

Ω End of Product

# Austin-Smith:Lord

Enhancing Life & Environments By Design