



Stiwdio Owens

Landscape Architecture

MEA hub - Landscape specification.

stiwdioowens.co.uk

Version	Date	Description	Initials
0.0	221020	Issued for planning approval	GLO

Table of Contents

00-05-10 Project Definition.....	3
00-05-15 Works Terminology.....	4
00-05-20 Project Participants.....	7
00-05-70 Project Location.....	8
10-35-35/185 Topsoil filling system.....	9
40-35-00/135 Grass-planted bulb and wildflower system.....	12
40-35-00/170 Pit-planted tree system.....	14
40-35-00/190 Amenity planting maintenance system.....	20
40-35-35/135 Grass seeding system.....	26
40-35-35/190 Amenity grass maintenance system.....	30

00-05-10 Project Definition

101 Project description

- Project reference: 579.
- Project title: MEA hub.
- Project description: Proposed educational development with associated landscape works.

Design information

165 Drawings and other documents

- **Details:** Soft landscape design.; and Soft landscape details.
- **Reference:** 579-STO-00-00-DR-L-0001-Soft landscape design.; and 579-STO-00-00-DR-L-0002-Soft landscape details.
- **Status:** Planning.
- **Format:** Electronic.
- **Provision:** Provided.
- **Cross-references:**
 - **Accuracy:** Check remainder of the annotation or item description against the terminology used in the cited section or clause.
 - **Related terminology:** Where a numerical cross-reference is not given the relevant sections and clauses of the Specification will apply.
 - **Relevant clauses:** Clauses in the cited specification section dealing with general matters, ancillary products and execution also apply.
 - **Discrepancy or ambiguity:** Give immediate notice in writing setting out the nature and assessed impact of the conflict. Do not proceed until instructions are received.
 - **Document precedence:** Specification takes precedence over referenced documents.
- **Dimensions:** Use numbered dimensions only. Do not scale direct from drawings.
- **Additional copies:** Issued on request subject to an administration charge.

170 Preconstruction information

- **Scope:** Integral with the project specification, including but not restricted to the following:
Description of project.
Client's consideration and management requirements.
Environmental restrictions and on-site risks.
Significant design and construction hazards.
The Health and Safety File.

00-05-15 Works Terminology

110 Terminology

- **Meaning:** Terms, derived terms and synonyms used are as defined in this section or in the appropriate referenced document.

210 Description terminology

- **Attendance:** Includes
The use of the Main Contractor's temporary roads, pavings and paths, standing scaffolding, standing power operated hoisting plant;
The provision of temporary lighting of an equivalent brightness to the finished lighting brightness;
The provision of water;
The clearing away of rubbish and paying all charges in connection with its disposal, the provision of secure hard standing space for the sub-contractor's own offices, plant and material storage;
The use of standing mess rooms, sanitary accommodation and welfare facilities and
The provision of all Health and Safety facilities and all Fire Safety precautions, services, equipment, signage, facilities, marshals and the like necessary to comply with the relevant parts of the Joint Fire Code.
Additional requirements should be described as 'Special attendance'.
- **Building Manual:** A document containing information of use to subsequent building owners, occupiers and users about the requirements and procedures for effective operation, maintenance, decommissioning and demolition of the building.
- **Construction Work:** Permanent work together with temporary work.
- **Contractor:** The party who undertakes to perform the services, supply goods or carry out work defined in a contract. Includes Main Contractor, Prime Contractor, Supplier, Service provider, Builder, Subcontractor, etc. as the context dictates, which may be defined terms in certain standard contract forms.
- **Contractor's choice:** Selection delegated to the Contractor, but liability to remain with the specifier.
- **Contractor's design:** Design to be carried out or completed by the Contractor, supported by appropriate contractual arrangements, to correspond with specified requirements.
- **Cost:** The amount paid or given by one party to another in exchange for goods, work, supplies or services.
- **Designer:** A person or organization carrying out design on a project.
- **Deviation:** Difference between a specified dimension or position and the actual dimension or position.
- **Drawings:** Definitions as BSRIA Building Applications Guide: Design framework for building services. 5th edition
- **Employer:** The party to the Contract for whom the goods, work, supplies or services are provided. Includes Client (in consultancy contracts and CDM Regulations), the Employer, Building owner or Purchaser (in construction contracts), the Developer (in development agreements and funding agreements), or the 'Main' contractor in contractor/ subcontractor agreements - which may be defined terms in certain standard contract forms
- **Estimate:** An approximate evaluation of quantity, number, extent, time or cost of part or the whole of a project.
- **Execute:** To complete a task fully and put into effect. To fix, apply, install or lay products securely, accurately, plumb and in alignment.
- **Existing:** Items retained in place to receive new work.
- **Fastener:** Device for mechanically attaching something to something else.
- **Manufacturer and Product reference:** Manufacturer – the person or legal entity under whose name or trademark the particular product, component or system is marketed.
Product reference – the proprietary brand name and/ or identifier by which the particular product, component or system is described.
References are as specified in the manufacturer's technical literature current on the date specified.

- **Manufacturer's standard:** Where used in conjunction with a specified proprietary product, accessories to be those recommended by the product manufacturer.
- **Permanent Work:** Work to be constructed and completed in accordance with the Contract.
- **Price:** An indication of the amount required to be paid by one party to another in exchange for goods, work, supplies or services.
- **Product:** Material, both manufactured and naturally occurring, goods and accessories for permanent incorporation into the Works.
- **Requirements:** A description in outline or detailed form of the development, or a part of it, which one party wants another to undertake, design and/ or construct.
- **Schedule of rates:** The subdivision of product and execution prices by a pre-determined unit basis.
- **Schedule of Work/ Work Schedule:** The subdivision of work items by a pre-determined classification. Can form the basis of a pricing document where Bills of Quantities are not used.
- **Schematic:** A drawing of a system showing components, products, systems and their interconnections.
- **Site equipment:** The Contractor's apparatus, appliances, machinery, vehicles or things of whatsoever nature required in or about the construction for the execution and completion of the Works and the remedying of defects.
Includes Appliances, vehicles, consumables, tools, temporary work, scaffolding, cabins and other site facilities.
Excludes: Temporary work, Employer's products and equipment or anything intended to form or forming part of the permanent Works.
- **Specification:** Written description of requirements.
- **System:** Products, components, equipment, accessories, controls, supports and ancillary items, including installation, necessary for that section of the work to function.
- **Temporary work:** Incidental work to undertaken during construction but not intended to form part of the completed work.

310 Activity terminology

- **Advise:** See 'Communicate'.
- **Agree:** See 'Communicate'.
- **Approve:** Record conformance of work to specified criteria by giving formal or official sanction.
- **Communicate:** Includes advise, inform, agree, confirm, notify, seek or obtain information, consent or instructions, or make arrangements.
- **Confirm:** See 'Communicate'.
- **Ease:** Adjust moving parts of designated products, systems or work to achieve free movement and good fit in open and closed positions.
- **Fix:** Receive, unload, handle, store, protect, place and fasten in position; dispose of waste and surplus packaging; to include labour, materials and site equipment for that purpose.
- **Give notice:** Communicate in writing to the person administering the Contract at the address listed therein.
- **Inform:** See 'Communicate'.
- **Keep for recycling:** As 'keep for use' but relates to a naturally occurring material rather than a manufactured product.
- **Keep for reuse:** Do not damage designated products, systems or work. Clean off bedding and jointing materials. Stack neatly, adequately protect and store until required by the Employer or Purchaser, or for use in the Works as instructed.
- **Make good:** Execute local remedial work to designated work. Make secure, sound and neat.
- **Match existing:** Provide products and work of the same appearance and features as the original, excluding ageing and weathering. Make joints between existing and new work as inconspicuous as possible.
- **Notify:** See 'Communicate'.
- **Quote:** Use 'Estimate'.

- **Recycle:** Collect, sort, process and convert discarded or recovered components into raw materials for use in the creation of new products.
- **Refix:** Fix previously removed products.
- **Remove:** Disconnect, dismantle as necessary and take out the designated products or work, together with associated accessories, fixings, supports, linings and bedding materials. Dispose of unwanted materials.
Removal of an item excludes removal and disposing of associated pipework, wiring, ductwork or other services.
Removal of a system includes this work.
- **Remediate:** Action or measures taken to lessen, clean-up, remove or mitigate the existence of hazardous materials existing on a property; in accordance with standards, specifications or requirements as may be required by statutes, rules, regulations or specification.
- **Repair:** Execute remedial work to designated products. Make secure, sound and neat. Excludes redecoration and replacement.
- **Replace:** Supply and fix new products matching those removed. Execute work to match the original new state of that removed.
- **Reuse:** Recover products to be fixed or used in the project or other buildings without the requirement for recycling.
- **Submit:** Deliver in a specified format to a specified person within a specified timeframe.
- **Submit proposals:** Submit information in response to specified requirements.
- **Supply and fix:** Supply of products, components or systems to be fixed, together with everything necessary for their fixing.

00-05-20 Project Participants

Management and delivery roles

120 Client

- Name: MEA.
- Address: Simonsway, Wythenshawe, Manchester M22 9RH.

160 Project Manager

- Name: Saffer Cooper.
- Address: Saffer Cooper. Office 206, Ashton Old Baths, Stamford Street West, Ashton Under Lyne OL6 7FW.

Design roles

260 Architect

- Name: Pozzoni Architecture.
- Address: Woodville House, 2 Woodville Road, Altrincham WA14 2FH.

275 Landscape architect

- Name: Stiwdio Owens.
- Address: Eyarth Bach, Llanfair Dyffryn Clwyd, Ruthin LL15 2EG.

00-05-70 Project Location

110 Project location

- Details: Existing academy with associated external realm.
- Address:
 - Town/ City: Simonsway, Wythenshawe, Manchester.
 - Post code: M22 9RH.

130 Existing buildings on, or adjacent to the site

- Details: Adjacent residential use.

150 Surrounding land and building uses

- Details: Urban realm.

170 Access

- Details: Access available of road.

10-35-35/185 Topsoil filling system

System outline

10-35-35/185 Topsoil filling system

- Fill materials: [45-40-85/325 Imported topsoil](#) and [10-35-35/520 Site-made topsoil](#).
- Execution: [10-35-35/724 Spreading topsoil generally](#).

Products

45-40-85/305 Topsoil, growing medium, subsoil and preparation materials generally

- Purity: Free of pests and disease.
- 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.
- Contamination:
 - 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.
 - 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.
- Objectionable odour: Not permitted.
- Give notice: If evidence or symptoms of soil contamination are discovered on the site or in topsoil or planting media to be imported.
- Quantity: Provide as necessary to make up any deficiency of topsoil or growing media existing on site and to complete the work.

45-40-85/325 Imported topsoil

- General requirements: [45-40-85/305 Topsoil, growing medium, subsoil and preparation materials generally](#).
- Supplier: Contractor's choice.
- Source: Local, within 20 mile radius.
- Standard: To BS 3882 free of stone, brick and glass content.
- Classification: Multipurpose.
- Soil textural class: Any class within the acceptable range indicated in BS 3882, Figure 1.

45-40-85/350 Composted materials

- Supplier: Manufacturer's standard.
- Source: Local, within a 20 mile radius.
- Certification: To PAS 100.
- Compost type: Spent mushroom compost.
- Horticultural parameters:
 - pH (1:5 water extract): 7.0–8.7.

- Electrical conductivity (maximum, 1:5 water extract): 200 mS/m.
- Moisture content (m/m of fresh weight): 35–55%.
- Organic matter content (minimum): 25%.
- Grading (air dried samples): 95% passing 25 mm and 90% passing 10 mm screen mesh apertures.
- Carbon:Nitrogen ratio (maximum): 20:1.
- Texture: Friable.
- Objectionable odour: Not permitted.

Custom made products

10-35-35/520 Site-made topsoil

- Base material: Excavated topsoil.
- Additional materials: 45-40-85/350 Composted materials.
- Crumb structure: Made up of discernible crumbs.
- Particles:
 - Size in any dimension (maximum): 50 mm.
 - Large particle content by dry weight (maximum): 2%.
- Organic content (by dry weight): 15–20%.
- Nutrient content: Minimum index values for nitrogen, phosphorus, potassium and magnesium to be as for BS 3882 multipurpose topsoil.

Execution

10-35-35/724 Spreading topsoil generally

- Method: By machine or for any reason impractical shall be executed by hand.
- Locations for spreading topsoil: Any areas where topsoil is required for new planting.
- Preparatory works:
 - 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.
 - Loosening:
 - Light and non-cohesive subsoils: When ground conditions are reasonably dry, loosen thoroughly to a depth of 300 mm.
 - Stiff clay and cohesive subsoils: When ground conditions are reasonably dry, loosen thoroughly to a depth of 450 mm.
 - Rock and chalk subgrades: Lightly scarify to promote free drainage.
 - Removing stones:
 - Timing: Immediately before spreading topsoil.
 - Size in any dimension (maximum): 50 mm.
 - Arisings, contaminants and debris: Remove from site.
 - Inspecting formations: Notify.
- Temporary roads and surfacing: Remove before spreading topsoil.
- Layers:
 - Depth (maximum): Lay in 100 mm depths.
 - Firming: Gently firm each layer before spreading the next.

- **Depths after firming and settlement (minimum):** Seed and turf areas minimum 150 mm. Shrub planting area minimum 300 mm.
- **Crumb structure:** Do not compact topsoil. Preserve a friable texture of separate visible crumbs.
- **Protected areas:** Do not raise soil level within root spread of trees that are to be retained.
- **Period of notice before spreading topsoil (minimum):** Seven days.

Ω End of system

40-35-00/135 Grass-planted bulb and wildflower system

System outline

40-35-00/135 Grass-planted bulb and wildflower system

- Preparatory work: Remove brambles, coarse and invasive weeds from planting areas. Mow grass to 50 mm. Remove arisings.
- Plants: 45-40-10/311 Bulbs, corms and tubers.
- Execution: 40-35-00/601 Amenity planting generally;
40-35-00/603 Times of year for amenity planting;
40-35-00/605 Climatic conditions for amenity planting;
and 40-35-00/675 Planting bulbs and tubers in grass.
- System completion: 40-35-00/801 Operations immediately after planting.

Products

45-40-10/301 Nursery stock generally – bulbs, corms and tubers

- General requirements:
 - Condition: Firm, entire, not dried out or shrivelled.
 - Health: Free from pests, diseases, discoloration, fungus and physiological disorders.
 - Species: True to name.
- Delivery label requirements:
 - 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.

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

- General requirements: 45-40-10/301 Nursery stock generally – bulbs, corms and tubers.
- Supplied by: Contractor's choice.
- Standards: To BS 3936-9.
- Origin and provenance: British grown.
- Execution: 45-40-10/603 Handling and storage of bulbs, corms and tubers.

Execution

40-35-00/601 Amenity planting generally

- Standard: To HTA Handling and establishing landscape plants.
- Planting: Upright or well balanced with best side to front.

40-35-00/603 Times of year for amenity planting

- Deciduous trees and shrubs: Late October to late March.
- Conifers and evergreens: September/ October or April/ May.

- Herbaceous plants (including marginal): September/ October or March/ April.
- Wildflower plugs: Late August to mid-November or March/ April.
- Container grown plants: At any time if ground and weather conditions are favourable.
- Dried herbaceous bulbs, corms and tubers: September/ October.
- Colchicum (crocus): July/ August.
- Green herbaceous bulbs: After flowering in spring.
- Aquatic plants: May/ June or September/ October.
- Annual plants: March/ April

40-35-00/605 Climatic conditions for amenity planting

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

40-35-00/675 Planting bulbs and tubers in grass

- Depth: Top of bulb/ corm/ tuber at a depth of approximately twice its height, base in contact with bottom of hole.
- Backfilling: Finely broken soil. Lightly firm to existing ground level.
- Naturalized random planting in existing grass:
 - Scattering: Random. Plant bulbs/ corms/ tubers where they fall.
 - Planting: Neatly remove a plug of turf and replace after planting.

45-40-10/603 Handling and storage of bulbs, corms and tubers

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

System completion

40-35-00/801 Operations immediately after planting

- Watering: Immediately after planting, water thoroughly. Do not damage or displace plants or soil.
- Firming: Lightly firm soil around plants and fork and/ or rake soil, without damaging roots, to a fine tilth with gentle cambers and no hollows.

Ω End of system

40-35-00/170 Pit-planted tree system

System outline

40-35-00/170 Pit-planted tree system

- **Standard:** Prepare trees and transplant in accordance with BS 8545.
- **Trees:** 45-40-90/345 Container grown trees.
- **Tree pit:**
 - **Root barriers:** 45-65-50/325 Plastics sheets.
 - **Tree pit backfill material:** 40-35-00/509 Site-prepared tree and shrub pit backfilling material and 45-40-85/340 Special imported topsoil and growing media type A.
- **Above ground supports:**
 - **Type:** 45-40-65/430 Stakes.
 - **Fixings:** 45-40-65/440 Tree ties.
- **Tree pit surfacing:**
 - **Loose fill tree pit surfacing:** 45-55-55/341 Natural bark.
- **Execution:** 40-35-00/601 Amenity planting generally;
40-35-00/603 Times of year for amenity planting;
40-35-00/605 Climatic conditions for amenity planting;
40-35-00/642 Planting amenity trees in pits;
40-35-00/692 Applying loose mulch around trees;
40-35-00/703 Double staking;
and 40-35-00/713 Placing tree root barriers in pits.
- **System completion:** 40-35-00/801 Operations immediately after planting;
40-35-00/806 Watering new planting;
and 40-35-00/807 Final mulching of planting beds and trees.

Products

45-40-65/430 Stakes

- **Manufacturer:** Contractor's choice.
- **Material:** Softwood, peeled chestnut, larch or oak.
- **Quality:** Straight. Free from projections and large or edge knots.
- **Preservative treatment:** To provide a 20 year service life.
- **Cross-section size (minimum):** 75 mm diameter.
- **Length:** 2100 mm.
- **End profiles:** Pointed at one end, cut square at other.

45-40-65/440 Tree ties

- **Manufacturer:** Contractor's choice.
- **Tie type:** Rubber belt.
- **Material:** Rubber.

45-40-85/305 Topsoil, growing medium, subsoil and preparation materials generally

- **Purity:** Free of pests and disease.

- **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.
- **Contamination:**
 - **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.
 - **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.
- **Objectionable odour:** Not permitted.
- **Give notice:** If evidence or symptoms of soil contamination are discovered on the site or in topsoil or planting media to be imported.
- **Quantity:** Provide as necessary to make up any deficiency of topsoil or growing media existing on site and to complete the work.

45-40-85/340 Special imported topsoil and growing media type A

- **General requirements:** 45-40-85/305 Topsoil, growing medium, subsoil and preparation materials generally.
- **Supplier:** Contractor's choice.
- **Source:** Local, within a 20 mile radius.
- **Growing medium:** Urban tree planting soil.
- **Soil textural class:**
 - **Standard:** To BS 3882.
 - **Class:** Any class within the acceptable range indicated in BS 3882, Figure 1.
- **Permitted materials for special imported topsoil and growing media:**
 - **Permitted materials:** Composted bark.
 - **Notice:** Give notice prior to ordering or using permitted materials.
 - **Declaration of compliance:**

Materials generally: In accordance with BS EN 13650.

Composted materials: In accordance with PAS 100.
- **Materials not permitted:** Peat;
Products containing peat;
and River and canal dredgings.

45-40-85/350 Composted materials

- **Supplier:** Manufacturer's standard.
- **Source:** Local, within a 20 mile radius.
- **Certification:** To PAS 100.
- **Compost type:** Spent mushroom compost.
- **Horticultural parameters:**
 - **pH (1:5 water extract):** 7.0–8.7.
 - **Electrical conductivity (maximum, 1:5 water extract):** 200 mS/m.
 - **Moisture content (m/m of fresh weight):** 35–55%.
 - **Organic matter content (minimum):** 25%.
 - **Grading (air dried samples):** 95% passing 25 mm and 90% passing 10 mm screen mesh apertures.
 - **Carbon:Nitrogen ratio (maximum):** 20:1.
- **Texture:** Friable.

- **Objectionable odour:** Not permitted.

45-40-85/400 Organic fertilizer

- **Supplier:** Manufacturer's standard.
- **Standard:** In accordance with The EC Fertilisers (England and Wales) Regulations 2006.
- **Fertilizer type:** General purpose fertilizer.
- **Availability to plants:** Controlled release.

45-40-90/305 Nursery stock generally – trees, shrubs and woody climbers

- **General requirements:**
 - **Condition:** Materially undamaged, sturdy, healthy and vigorous.
 - **Appearance:** Of good shape and without elongated shoots, appropriate to species and variety.
 - **Hardiness:** Grown in a suitable environment and hardened off.
 - **Health:** Free from pests, diseases, discoloration, weeds and physiological disorders.
 - **Budded or grafted plants:** Bottom worked. 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.
 - **Root system and condition:** Balanced with branch system.
 - **Species:** True to name.
- **Delivery label requirements:**
 - **Standard:** To the National Plant Specification.
 - **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.
 - **Additional information:** Country of origin.

45-40-90/345 Container grown trees

- **General requirements:** 45-40-90/305 Nursery stock generally – trees, shrubs and woody climbers.
- **Supplied by:** Contractor's choice.
- **Standards:** Trees and shrubs to BS 3936-1.
- **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.
- **Origin and provenance:** British grown.
- **Execution:** 45-40-90/614 Plant handling, storage and transport.

45-55-55/341 Natural bark

- **Supplied by:** Contractor's choice.
- **Source:** Local, within a 20 mile radius.
- **Quality:** Dry, no decomposition, no signs of mould or fungi. Free of methyl bromide and other contaminants.

45-65-50/325 Plastics sheets

- **Manufacturer:** GreenBlue Urban Ltd. ReRoot 2000 RER220X1.0A
- **Purpose:** Root barrier.
- **Execution:** As per manufacturer recommendations.

Custom made products

40-35-00/509 Site-prepared tree and shrub pit backfilling material

- Composition: Previously prepared mixture of topsoil excavated from pit and additional soil ameliorants and/ or fertilizer as required.
- Backfill base material: Excavated topsoil.
- Additional soil ameliorant materials: 45-40-85/350 Composted materials.
- Fertilizer: 45-40-85/400 Organic fertilizer.

Execution

40-35-00/601 Amenity planting generally

- Standard: To HTA Handling and establishing landscape plants.
- Planting: Upright or well balanced with best side to front.

40-35-00/603 Times of year for amenity planting

- Deciduous trees and shrubs: Late October to late March.
- Conifers and evergreens: September/ October or April/ May.
- Herbaceous plants (including marginal): September/ October or March/ April.
- Wildflower plugs: Late August to mid-November or March/ April.
- Container grown plants: At any time if ground and weather conditions are favourable.
- Dried herbaceous bulbs, corms and tubers: September/ October.
- Colchicum (crocus): July/ August.
- Green herbaceous bulbs: After flowering in spring.
- Aquatic plants: May/ June or September/ October.
- Annual plants: March/ April

40-35-00/605 Climatic conditions for amenity planting

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

40-35-00/642 Planting amenity trees in pits

- Pit dimensions:
 - Plan size (minimum): 700 x 700 mm.
 - Depth (minimum): 1000 mm.
- Sloping ground: Maintain minimum depth throughout.
- Excavated material: Remove arisings.
- Pit bottoms:
 - Generally: Break up base.
 - Profile: Slightly raise centre.
 - Break up depth (nominal): 300 mm.
 - Treatment: Work soil ameliorant into pit bottoms.
- Pit sides:
 - Profile: Vertical.

- Treatment: Scarify.

40-35-00/692 Applying loose mulch around trees

- Preparation: Clear weeds. Water soil thoroughly.
- Coverage area: In a circular area of 900 mm radius measured from tree stem.
- Depth: 50 mm.
- Finished level of mulch: 30 mm below adjacent grassed or paved areas.

40-35-00/703 Double staking

- General: Do not impede natural movement of plants or restrict growth.
- Position: Either side of tree position and perpendicular to wind direction.
- Driving: Drive stakes vertically at least 450 mm into bottom of pit before planting.
- Backfilling: Consolidate material around stakes.
- Firming: Sufficiently firm to prevent movement of the root system.
- Height of stakes: 600 mm above ground level.
- 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.
- Tying:
 - Method: Secure tree firmly to the stakes without causing constriction or chafing. Ensure support in all directions.
 - Tie position: Within 25 mm of the top of the stakes.
- Fixing of ties to supports: Nail ties to stakes using galvanized nails to BS 1202-1, minimum 25 mm long and 10 mm diameter heads.

40-35-00/713 Placing tree root barriers in pits

- Siting: Rootballs within 5.0 m of a building foundation and Rootballs within 5.0 m of underground service route.

45-40-90/614 Plant handling, storage and transport

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

System completion

40-35-00/801 Operations immediately after planting

- Watering: Immediately after planting, water thoroughly. Do not damage or displace plants or soil.
- Firming: Lightly firm soil around plants and fork and/ or rake soil, without damaging roots, to a fine tilth with gentle cambers and no hollows.

40-35-00/806 Watering new planting

- Quantity: Wet full depth of topsoil.
- Application: Even and without damaging or displacing plants or soil.
- Trees: Spray crown when in leaf during warm weather.
- Frequency: As necessary to ensure establishment and continued thriving of planting.
- Interval (nominal): Weekly.
- Timing: After dusk.

40-35-00/807 Final mulching of planting beds and trees

- Timing: At end of the maintenance period.
- Watering: Thoroughly moisten soil before remulching. Water where necessary.
- Depth of mulch (minimum): 50 mm.

Ω End of system

40-35-00/190 Amenity planting maintenance system

System outline

40-35-00/190 Amenity planting maintenance system

- System facility management: 40-35-00/904 Mechanical equipment use in amenity plant maintenance operations;
40-35-00/909 Reinstatement after maintenance;
40-35-00/910 Disposal of arisings;
40-35-00/911 Temporary protection of existing grass;
40-35-00/912 Water restrictions;
40-35-00/913 Watering;
40-35-00/920 Applying top dressing;
40-35-00/921 Weed control generally;
40-35-00/924 Hand-weeding;
40-35-00/925 Weeding loose mulch;
40-35-00/926 Weeding tree grilles;
40-35-00/927 Weed cutting by hand or machine;
40-35-00/932 Litter removal;
40-35-00/933 Snow removal from trees and shrubs;
40-35-00/942 Soil and mulch level adjustment;
40-35-00/943 Maintenance of loose mulch;
40-35-00/951 Refirming of trees and shrubs;
40-35-00/954 Prevention of disease transmission;
40-35-00/957 Dead and diseased plants;
40-35-00/961 Tree work generally;
40-35-00/962 Pruning amenity trees and shrubs;
40-35-00/974 Giving notice of defective, diseased or unsafe trees;
40-35-00/994 Maintaining tree stakes and ties;
40-35-00/995 Maintaining tree guards;
40-35-00/996 Maintaining tree and shrub shelters;
and 40-35-00/997 Maintaining tree guy wires.

System facility management

40-35-00/901 Management objectives for amenity planting type A

- Duration: 5 years.
- Aims: Improved landscape visual amenity.

40-35-00/902 Notice periods for maintenance visits type A

- Give notice before: Visiting site during maintenance period.
- Period of notice: 7 days.

40-35-00/904 Mechanical equipment use in amenity plant maintenance operations

- General: Minimize use. Do not damage trees and shrubs.
- Restrictions:

- **Proximity to plants:** Do use not mowers, nylon filament rotary cutters and similar powered tools within 100 mm of plant stems.
- **Prohibited equipment:** Chippers;
Litter vacuums;
and Shredders.
- **Times during which mechanical equipment may be used:** Between 10:00 and 16:00 on weekdays.

40-35-00/909 Reinstatement after maintenance

- **General requirements:** 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- **Damage or disturbance to soil structure, planting, grass, fencing, hard landscaping, structures or buildings:** Give notice immediately and Submit proposals.
- **Cleanliness:** Leave the works in a clean tidy condition at completion and after maintenance operations.

40-35-00/910 Disposal of arisings

- **General requirements:** 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- **Generally:** Maintain the site in a clean, tidy condition.
- **Biodegradable arisings:** Remove to recycling facility.
- **Grass cuttings:** Remove to recycling facility.
- **Tree roots and stumps:** Remove from site.
- **Shrub and tree prunings:** Remove to recycling facility.
- **Litter and nonbiodegradable arisings:** Remove from site.
- **Diseased plant material:** Remove from site.
- **Surplus topsoil following routine maintenance:** Spread evenly.

40-35-00/911 Temporary protection of existing grass

- **General requirements:** 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- **General:** Protect areas affected by maintenance operations using boards and/ or tarpaulins. Do not place excavated or imported materials directly on grass.

40-35-00/912 Water restrictions

- **General requirements:** 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- **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.

40-35-00/913 Watering

- **General requirements:** 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- **Supply:** No site supply available.
- **Quantity:** Wet full depth of topsoil.
- **Application:** Do not damage or loosen plants.
- **Compacted soil:** Loosen or scoop out. Direct water to rootzone.
- **Frequency:** As necessary for the continued thriving of all planting.

40-35-00/920 Applying top dressing

- General requirements: [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).
- Locations for application: All planting areas.
- Application:
 - Spreading: Evenly, carefully incorporating below mulch materials.
 - Timing: Spring.
 - Application rate: 60 g/m².

40-35-00/921 Weed control generally

- General requirements: [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).
- Scope: All planting areas.
- General: Keep clear of weeds and prevent from seeding. Prevent perennial weeds from becoming established.
- Method: By hand weeding and By use of approved non-residual herbicides.
- 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).

40-35-00/924 Hand-weeding

- General requirements: [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).
- General: Remove weeds entirely, including roots.
- Disturbance: Remove the minimum quantity of soil, and disturb plants, bulbs and mulched surfaces as little as possible.
- Completion: Rake area to a neat, clean condition.
- Mulch: Reinstate to original depth.

40-35-00/925 Weeding loose mulch

- General requirements: [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).
- Weeding: Remove weeds growing on or in mulch.
- Method: Herbicide treatment.

40-35-00/926 Weeding tree grilles

- General requirements: [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).
- Operations: Lift grilles, remove weeds, adjust levels as necessary and lightly compact. Refit grilles, refill interstices and lightly compact to correct level.

40-35-00/927 Weed cutting by hand or machine

- General requirements: [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).
- Undesirable grass, brambles and herbaceous growth: Cut down cleanly.
- Height (maximum): 50 mm.

40-35-00/932 Litter removal

- General requirements: [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).

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

40-35-00/933 Snow removal from trees and shrubs

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Standard: To BS 7370-4.
- Plants subject to snow removal: All evergreens.
- Timing: Within 24 hours of snowfall.

40-35-00/942 Soil and mulch level adjustment

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Level of soil and mulch at edges of beds: Reduce to 50 mm below adjacent grass or hard surface.

40-35-00/943 Maintenance of loose mulch

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Thickness (minimum): 50 mm.
- Top up: Twice per year.
- Mulch spill on adjacent areas: Remove weeds and rubbish and return to planted area.

40-35-00/951 Refirming of trees and shrubs

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Timing: After strong winds, frost heave and other disturbances.
- Refirming: Tread around the base until firmly bedded.
- Collars in soil at base of tree stems, created by tree movement: Break up by fork, avoiding damage to roots. Backfill with topsoil and refirm.

40-35-00/954 Prevention of disease transmission

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Standard: To BS 3998.

40-35-00/957 Dead and diseased plants

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Dead plant material:
 - Removal: At the end of the growing season, check shrubs and remove dead foliage, dead wood, and broken or damaged plants, branches and stems.
 - Timing: Within one week of notification.
 - Replacement: In the next suitable planting season.

40-35-00/961 Tree work generally

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Identification: Before starting work agree which trees, shrubs and hedges to be removed or pruned.
- Protection: Avoid damage to neighbouring trees, plants and property.
- Standards: To BS 3998 and Health and Safety Executive (HSE) 'Forestry and arboriculture safety leaflets'.

- **Appearance:** Leave trees with a well-balanced, natural appearance. Favour a single central leading shoot.
- **Dead, dying, diseased wood and suckers:** Remove. Prune to promote healthy growth.
- **Timing:** As appropriate to the species.
- **Chain saw work:** Operatives must hold a Certificate of Competence.
- **Tree work:** To be carried out by a member of the Arboricultural Association.
- **Tree worker:** Contractor's choice.

40-35-00/962 Pruning amenity trees and shrubs

- **General requirements:** [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).
- **Standard:** In accordance with good horticultural and arboricultural practice.
- **Pruning:**
 - **Removing branches:** Do not damage or tear the stem or bark.
 - **Wounds:** Keep as small as possible and cut cleanly back to sound wood.
 - **Cutting:** Make cuts above and sloping away from an outward facing healthy bud, angled so that water will not collect on cut area.
 - **Larger branches:** Prune neither flush nor leaving a stub, but using the branch bark ridge or branch collar as a pruning guide.
- **Appearance:** Thin, trim and shape each specimen appropriately to species, location, season, and stage of growth, leaving a well-balanced, natural appearance.
- **Tools:** Use clean sharp secateurs, hand saws or other approved tools. Trim off ragged edges of bark or wood with a sharp knife.
- **Disease or infection:** Give notice if detected.
- **Growth retardants, fungicide or pruning sealant:** Do not use.

40-35-00/974 Giving notice of defective, diseased or unsafe trees

- **General requirements:** [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).
- **Defective, diseased, unsafe or weak parts of trees additional to those scheduled for attention:** Give notice if detected.

40-35-00/994 Maintaining tree stakes and ties

- **General requirements:** [40-35-00/901 Management objectives for amenity planting type A](#) and [40-35-00/902 Notice periods for maintenance visits type A](#).
- **Inspection and maintenance times:** Immediately after strong winds.
- **Stakes:**
 - **Loose, broken or decayed stakes:** Replace to original specification.
 - **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.
- **Ties:**
 - **Maintenance:** Adjust, refix or replace loose or defective ties to allow for growth and to prevent chafing.
 - **Chafing:** Where chafing has occurred, reposition or replace ties to prevent further chafing.
- **Removal of stakes and ties:**
 - **Timing:** During spring when no longer required to support the tree.
 - **Stake holes:** Fill with lightly compacted soil.

40-35-00/995 Maintaining tree guards

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Loose or defective guards: Adjust, re-fix or replace to original specification and to prevent chafing.

40-35-00/996 Maintaining tree and shrub shelters

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Loose or defective shelters: Adjust, re-fix or replace to original specification and to prevent chafing.
- Removal: During spring when no longer required to protect the tree.

40-35-00/997 Maintaining tree guy wires

- General requirements: 40-35-00/901 Management objectives for amenity planting type A and 40-35-00/902 Notice periods for maintenance visits type A.
- Inspection and maintenance times: Immediately after strong winds.
- Operations:
 - Loose or missing guy wires: Replace or re-secure.
 - Wires: Adjust to suit stem growth. Provide correct and uniform tension.

Ω End of system

40-35-35/135 Grass seeding system

System outline

40-35-35/135 Grass seeding system

- Topsoil preparation:
 - Fertilizer: [45-40-85/400 Organic fertilizer](#).
- Seed: [45-40-75/301 Grass seed mix](#).
- Execution: [40-35-35/612 Cultivation of topsoil](#);
[40-35-35/623 Finished levels of topsoil after settlement](#);
[40-35-35/624 Setting out of seeded and turfed areas](#);
[40-35-35/633 Grass seeding](#);
[40-35-35/639 Forming edges to seeded areas](#);
and [40-35-35/677 Applying fertilizer as a top dressing](#).
- System completion: [40-35-35/803 Failures of seeding and turfing](#);
[40-35-35/811 Watering grass swards](#);
[40-35-35/821 Edges to seeded areas](#);
[40-35-35/851 Grass swards first cut](#);
and [40-35-35/853 Cutting amenity grass](#).

Products

45-40-75/301 Grass seed mix

- Supplied by: Emorsgate Seeds.
- Origin and provenance: British grown.
- Certification:
 - Submittals: Official Seed Testing Station certificate of germination, purity and composition.
- Standard: In accordance with EC purity and germination regulations.
- Level of certification: Official Seed Testing Station certificate of germination, purity and composition.
- Mix type: EG22 strong lawn mix.
- Species: Manufacturer's standard.
- Freshness: Produced for the current growing season.
- Execution: [45-40-75/603 Protection of seeds](#).

45-40-85/400 Organic fertilizer

- Supplier: Manufacturer's standard.
- Standard: In accordance with The EC Fertilisers (England and Wales) Regulations 2006.
- Fertilizer type: General purpose fertilizer.
- Availability to plants: Controlled release.

Execution

40-35-35/612 Cultivation of topsoil

- Grading and cultivation:

- **Standard:** In accordance with BS 4428.
- **Category:** B.
- **Depth:** 150 mm.
- **Timing:** Two to three days before seeding or laying turf.
- **Working conditions:**
 - **Soil condition:** Reasonably dry and workable.
 - **Weather conditions:** Suitably dry.
- **Compacted topsoil:** Break up to full depth.
- **Soil within root spread of trees and shrubs to be retained:** Do not dig or cultivate.
- **Surface:**
 - **Contours:** Smooth and flowing, with falls for adequate drainage.
 - **Hollows and ridges:** Not permitted.
- **Remove visible weeds, roots and large stones with any dimensions exceeding:** 50 mm.
- **Marrying in with adjacent levels:** Extend cultivation into adjacent areas sufficiently to ensure full marrying in with no step in level.
- **Notice:** Give notice if required levels cannot be achieved by movement of existing soil.

40-35-35/623 Finished levels of topsoil after settlement

- **Finished level of topsoil for grass or meadows in relation to adjoining paving, kerbs or hard surfaces:** 30 mm below.
- **Finished level of topsoil for grass or meadows in relation to DPC of adjoining buildings (minimum):** 150 mm below.
- **Finished level of topsoil for grass or meadows in relation to adjoining planting areas:** 25 mm above.
- **Tolerance for specified levels on sportsfields:**
 - **From levels shown on drawings:** ± 75 mm.
 - **Evenness along a 2 m straight edge:** ± 25 mm.
- **Within root spread of existing trees:** Do not change levels.
- **Adjoining grassed areas:** Marry in with adjacent levels.
- **Thickness of turf or top dressing:** Included in stated values.

40-35-35/624 Setting out of seeded and turfed areas

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

40-35-35/632 Sowing seed

- **General:** Establish good seed contact with the root zone.
- **Method:** Manually broadcast, raked and rolled.
- **Distribution:** Two equal sowings at right angles to each other and diagonally to main axis.

40-35-35/633 Grass seeding

- **General requirements:** 40-35-35/632 Sowing seed.
- **Timing:** April to October and August to October.
- **Application rate:** 25 g/m².

40-35-35/639 Forming edges to seeded areas

- **Timing:** After seeded areas are well established.
- **Forming edges:** Draw back soil and form edges to neat straight lines or smooth flowing curves, sloping slightly back from vertical. Keep clear of adjacent topsoil or mulch.

- Arisings: Remove from site.

40-35-35/677 Applying fertilizer as a top dressing

- Locations for application: All grassed areas.
- Application:
 - Spreading: Evenly, in transverse directions. Lightly rake to incorporate into surface of the soil.
 - Timing: Spring/ at the start of growing season.
 - Application rate: 25 g/m².

45-40-75/603 Protection of seeds

- Protection during handling, storage and transport: Protect seeds from moisture and frost.

System completion

40-35-35/801 Grass sward maintenance up to practical completion

- Visits to site to inspect grass swards:
 - Notice: Give notice before visiting site up to practical completion
 - Period of notice: 3 working days.

40-35-35/802 Grass sward maintenance up to the end of the rectification period

- Visits to site to inspect grass swards:
 - Notice: Give notice before visiting site up to practical completion
 - Period of notice: 3 working days.

40-35-35/803 Failures of seeding and turfing

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

40-35-35/811 Watering grass swards

- General requirements: 40-35-35/801 Grass sward maintenance up to practical completion and 40-35-35/802 Grass sward maintenance up to the end of the rectification period.
- Quantity: Wet full depth of topsoil.
- Application: Even and without displacing seed, seedlings or soil.
- Frequency: Weekly.

40-35-35/821 Edges to seeded areas

- General requirements: 40-35-35/801 Grass sward maintenance up to practical completion and 40-35-35/802 Grass sward maintenance up to the end of the rectification period.
- Edges generally: Re-spread soil and mulch.
- Turf edging: Water.
- Re-forming grass edges: Required generally.

40-35-35/851 Grass swards first cut

- General requirements: 40-35-35/801 Grass sward maintenance up to practical completion and 40-35-35/802 Grass sward maintenance up to the end of the rectification period.

- Timing: When grass is reasonably dry.
- Height of initial growth (nominal): 40–75 mm.
- Preparation:
 - Debris and litter: Remove.
 - Stones and earth clods larger than 25 mm in any dimension: Remove.
- Height of first cut (nominal): 25 mm.
- Mower type: Rotary.
- Arisings: Remove.

40-35-35/853 Cutting amenity grass

- General requirements: 40-35-35/801 Grass sward maintenance up to practical completion and 40-35-35/802 Grass sward maintenance up to the end of the rectification period.
- Height of growth at any time (maximum): 100 mm.
- Preparation: Before each cut remove litter and debris.
- Cutting:
 - Timing: As and when necessary.
 - Height (nominal): 25 mm.
 - Arisings: Remove.
- Trimming: All edges.
- Arisings: Remove.

Ω End of system

40-35-35/190 Amenity grass maintenance system

System outline

40-35-35/190 Amenity grass maintenance system

- Seed mix: [45-40-75/301 Grass seed mix](#).
- System facility management: [40-35-35/901 Grass sward management objectives](#);
[40-35-35/903 Disposal of arisings during maintenance operations](#);
[40-35-35/911 Watering grass swards](#);
[40-35-35/912 Water restrictions during grass sward maintenance](#);
[40-35-35/921 Weed control on grass swards generally](#);
[40-35-35/945 Maintenance of grassed areas](#);
[40-35-35/946 General maintenance of amenity and functional turf \(other than sports turf\)](#);
[40-35-35/949 Re-forming grass edges](#);
[40-35-35/952 Leaf removal from grass swards](#);
[40-35-35/961 Grass cutting generally](#);
[40-35-35/962 Mowing general areas type A](#);
and [40-35-35/977 Levelling hollows and bumps in turf](#).

Products

45-40-75/301 Grass seed mix

- Supplied by: Emorsgate Seeds.
- Origin and provenance: British grown.
- Certification:
 - Submittals: Official Seed Testing Station certificate of germination, purity and composition.
- Standard: In accordance with EC purity and germination regulations.
- Level of certification: Official Seed Testing Station certificate of germination, purity and composition.
- Mix type: EG22 strong lawn mix.
- Species: Manufacturer's standard.
- Freshness: Produced for the current growing season.
- Execution: [45-40-75/603 Protection of seeds](#).

Execution

45-40-75/603 Protection of seeds

- Protection during handling, storage and transport: Protect seeds from moisture and frost.

System facility management

40-35-35/901 Grass sward management objectives

- Duration: 5 years.

- Management outcomes: Improved landscape visual amenity.

40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A

- Events requiring notification:
 - Inspections:
 - Watering: 7 days.
 - Each site maintenance visit: 7 days.
 - Grass management: 7 days.
 - Grass cutting: 7 days.
 - Soil management: 7 days.

40-35-35/903 Disposal of arisings during maintenance operations

- Generally: Leave the works in a clean, tidy condition after maintenance operations.
- Surplus topsoil and arisings: Remove from site.
- Litter and non-biodegradable arisings: Remove from site.
- Diseased plant material: Remove from site.
- Contamination: Remove from site material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

40-35-35/911 Watering grass swards

- General requirements: 40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A.
- Supply: No site supply available.
- Quantity: Wet full depth of topsoil.
- Application: Do not damage or loosen plants.
- Compacted soil: Loosen or scoop out. Direct water to rootzone.
- Frequency: As necessary for the continued thriving of all planting.

40-35-35/912 Water restrictions during grass sward maintenance

- General requirements: 40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A.
- 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.

40-35-35/921 Weed control on grass swards generally

- General requirements: 40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A.
- Weed tolerance: At all times, weed cover less than 5% and no weed to exceed 100 mm high.
- Method: By hand weeding.
- Stones brought to the surface: Remove regularly any exceeding 25 mm in any dimension.
- Areas of settlement: Make good.
- Adjacent plants, trees and grass: Do not damage.

40-35-35/945 Maintenance of grassed areas

- General requirements: 40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A.
- General: Maintain turf in a manner appropriate to the intended use.

- Soil and grass:
 - Condition: Maintain a healthy vigorous sward, free from disease, fungal growth, discolouration, scorch or wilt.
 - Waterlogging and compaction: Prevent.
 - Damage: Repair trampling, abrasion or scalping.
- Litter and fallen leaves: Remove regularly to maintain a neat appearance.

40-35-35/946 General maintenance of amenity and functional turf (other than sports turf)

- Standard: To BS 7370-3. Carry out maintenance appropriate to each category of turf.

40-35-35/949 Re-forming grass edges

- General requirements: 40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A.
- Edges: Draw back soil and re-form edges to clean straight lines or smooth flowing curves, sloping slightly back from vertical.

40-35-35/952 Leaf removal from grass swards

- General requirements: 40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A.
- Operations: Collect fallen leaves.
- Special requirements: Remove by hand raking.
- Disposal: Remove from site for recycling.

40-35-35/961 Grass cutting generally

- General requirements: 40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A.
- Before mowing: Remove litter, rubbish and debris.
- Finish: Neat and even, without surface rutting, compaction or damage to grass.
- Edges: Leave neat and well defined. Neatly trim around obstructions.
- Adjoining hard areas: Sweep clear and remove arisings.
- Drought or wet conditions: Obtain instructions.

40-35-35/962 Mowing general areas type A

- General requirements: 40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A.
- Grass height: 25–50 mm.
- Arisings: Remove.

40-35-35/977 Levelling hollows and bumps in turf

- General requirements: 40-35-35/902 Notice to inspect and carry out maintenance operations on grass swards type A.
- Standard: To BS 7370-3.

Ω End of system