

Livingston Eyre Associates Ltd

Salisbury Square, Hatfield

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Revision: P01

Planning

01-12-2021

Q28 Topsoil and soil ameliorants

System outline

105 Container planting growing media system

1. Description: FOR EXTERNAL CONTAINER PLANTING
2. Composition
 - 2.1. Growing media: Imported subsoil and topsoil from a specified source
 - 2.2. Ameliorants: Fertilizer to be incorporated into topsoil
 - 2.3. Accessories: Gravel drainage layer 100mm deep as clause 345 with non-woven geotextile filter layer laid over and slit to fit around irrigation tank

155 Mulching and top dressing system

1. Description: FOR EXTERNAL CONTAINER PLANTING
2. Composition
 - 2.1. Material: Sanitized and stabilized composted materials certified to PAS 100

Products

300 Preparation materials generally

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

305 Permitted materials

1. Materials: Composted Bark, Biochar
2. Give notice: before ordering or using.
3. Declaration of compliance in accordance with BS EN 13650: Required

310 Materials not permitted

1. Materials: Peat or products containing peat

319 Imported subsoil from a specified source

1. Description: FOR CONTAINER PLANTING
2. Quantity: Provide as necessary to complete the work.
3. Soil textural class: loamy sand

4. Source: Bourne Amenity Loamy Sand Subsoil

320 Imported topsoil from a specified source

1. Description: FOR CONTAINER PLANTING
2. Quantity: Provide as necessary to complete the work.
3. Soil textural class: sandy loam
4. Source: Bourne Amenity TS6 10mm Topsoil

345 Aggregates

1. Description: FOR CONTAINER PLANTING
2. Source: Submit proposals
 - 2.1. Product reference: Submit proposals
3. Reference, description and grading
 - 3.1. Other aggregates or particles: 10-20mm shingle
4. Recycled content: Submit proposals

360 Sanitized and stabilized composted materials certified to PAS 100

1. Description: FOR TOP DRESSING/ MULCHING
2. Standard: In accordance with PAS 100 and Compost Quality Protocol
3. Source: Bourne Amenity
 - 3.1. Product reference: Composted Bark Fines

401 Organic fertilizers

1. Description: FOR CONTAINER PLANTING
2. Manufacturer/ source: Carbon Gold
 - 2.1. Product reference: Biochar Fertiliser
3. Purpose: General purpose fertilizer
4. Type: Biochar with fungi, trace nutrients and beneficial bacteria
5. Availability to plants: Controlled release

Execution

610 Topsoil analysis

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

630 Documentation for imported topsoil

1. Description: FOR CONTAINER PLANTING
2. Timing: Submit at handover.
3. Contents

- 3.1. Record of source for all soil components.
- 3.2. Declaration of analysis: in accordance with BS 3882, clause 6 and Table 1.
4. Number of copies: Two

635 Documentation for compost and composted materials

1. Description: FOR MULCH
2. Timing: Submit at handover.
3. Contents
 - 3.1. Full description of all compost components.
 - 3.2. Record of source for all compost components.
 - 3.3. Analyst's report for each test carried out.
 - 3.4. Declaration of compliance: in accordance with PAS 100 and BSI PD CR 13456.
 - 3.5. Quality Compost Protocol certification: Not required
4. Number of copies: Two

705 Handling topsoil

1. Standard: In accordance with BS 3882.
2. Contamination: Do not mix topsoil with:
 - 2.1. Subsoil, stone, hardcore, rubbish or material from demolition work.
 - 2.2. Other grades of topsoil.
3. Multiple handling: Keep to a minimum
4. Wet conditions: Handle topsoil in the driest condition possible. Do not handle during or after heavy rainfall, or when the moisture content is greater than the plastic limit.

709 Spreading subsoil In:

1. Description: CONTAINERS
2. Depth after firming and settlement: to 410mm below top of container

710 Spreading topsoil In:

1. Description: CONTAINERS
2. Standard: In accordance with BS 3882.
3. Layers
 - 3.1. Depth (maximum): 150 mm.
 - 3.2. Gently firm each layer before spreading the next.
4. Depth after firming and settlement: 350mm
5. Crumb structure: Do not compact topsoil. Preserve a friable texture of separate visible crumbs wherever possible.

720 Finished levels of topsoil after settlement

1. In relation to top of container: 60mm below
2. Thickness of mulch: Not included.

820 Applying general fertilizer

1. Description: TO TOPSOIL IN CONTAINERS
2. Application: Spread evenly and incorporate carefully into top 300mm of soil
 - 2.1. Timing: Immediately before planting

2.2. Application rate: 300 g/m²

845 Applying loose mulch

1. Description: FOR CONTAINER PLANTING
2. Timing: Immediately after planting
3. Preparation: Clear all weeds and ensure that soil is thoroughly moistened, applying water where necessary
4. Coverage of mulch (minimum)
 - 4.1. Container planting: 50 mm depth
5. Finished level of mulch: 10 mm below top of container

Completion

920 Applying mulch

1. Timing: At end of the maintenance period
2. Watering: Ensure that soil is thoroughly moistened prior to mulching, applying water where necessary.
3. Container planting: Remulch.
 - 3.1. Depth (minimum): 50 mm

Ω End of Section



Specification created using NBS Chorus