LEGEND

All soft landscape areas for shrub planting to be cleared of debris, decompacted and prepared for planting or turfing, with 450mm depth topsoil. Plants at 3-8no /sqm- see typical planting section

All soft landscape areas to be cultivated and planted with shrubs/ perennials and mulched with bark mulch

All grass areas to be provided with min 150mm depth topsoil, decompacted, cultivated and turfed with cultivated grade turf

New 'Heavy Standard size tree planting in 1m sq x 1m deep treepits. All trees to be planted in Re-root liners to restrict root growth within 6m of any services and buildings or structures.

Planting areas- preparation:

Main Contractor to bring site to formation level being 450mm or 150mm below finished levels to receive topsoil by landscape contractor.
Clear all rubble and debris from areas prior to ripping or rotavating to 300mm depth.

Import clean weed free natural as-dug topsoil to BS 3882 to bring up levels where low and in consultation with the clerk of the works.
Ensure all planted areas are provided with a minimum of 450mm depth topsoil.
Rake and minor grade all areas to levels, ensuring soil is min 150mm below dpc levels.

Do not carry out excavation under canopy spread of any trees to be retained which shall be protected by approved Tree Protection fencing erected at canopy edge and maintained in place during the works.



SPECIFICATION

EXCAVATION AND TOPSOILING

Topsoil Depths
Topsoil depths are to be as follows:-
i) in grass areas 150 mm
ii) in shrub bed areas 450 mm
iii) in shrub areas within kerbs - 900 mm

Tree pits are to be 1000 x 1000 x 750 mm overall depth.

The Contractor shall provide short stakes to enable the Architect to mark the exact positions of tree and climber pits prior to pit excavation and retain in the same position after topsoiling.

Climber pits are to be 600 x 300 x 300 mm.

Prior to topsoiling all areas to receive topsoil shall be ripped in two directions to a depth of 300 mm and all stones and debris removed.
Topsoil shall be loose tipped and lightly spread using the back of an excavator bucket or by hand where machine work is not possible.
After spreading topsoil ensure that any compaction is forked or rotavated out.
Topsoiled areas shall be in an uncompacted and uncontaminated state prior to setting out of shrub and grass areas.

Weed Clearance
If authorized by the Architect prior to the commencement of grassing or planting areas shall be cleared of weed growth. All vegetation shall be collected and removed from site.

Imported Topsoil
Imported topsoil shall be obtained from an approved source and shall be clean weed free natural as dug topsoil to BS 3882, free from excessive stone and roots. Re-manufactured soils shall not be acceptable.

PLANTING WORKS
Plant material:
All plant material shall be containerised or bare root and in compliance with BS 3936: 1985 Part 1, from an approved source and to satisfaction of the Landscape Architect or Supervising Officer.
Plants shall be free from disease and infection, with no damage to bark, stem, root or foliage.

Plants shall be first class representatives of their normal species or varieties and shall have well developed branches and fibrous rooting systems.

Planting Operations
Taking care to avoid damage and disturbance to roots, rootballs or stems, plant all material at the same depth at which it has been previously growing. Excavate plant pits to allow roots to be spread within the pit.

Polythene and other non-perishable containers are to be removed and any badly damaged roots carefully pruned.
Dig over beds, breaking up soil and rake off stones over 40 mm in any dimension. Remove all rubbish and weed growth to tip. Allow for spraying out weed growth as necessary.

Plants shall be firmly planted with 50 g of slow release fertilizer such as 'Vitax' plus moist compost mixed in with the backfill, along with an approved mychorrizal soil ameliorant.
A solution of 'Alginure' in water (1:99) should be applied to the shrub bed after planting so that the backfill is well watered in and the plant is firmed into the pit by treading.

All native trees and bare root plants shall receive 'Alginure' root dip prior to planting.
Prune back all shrubs by min 1/3rd following planting.

Planting Operations: Trees
Trees shall be planted into tree pits and well staked with 2 No. stakes and a single cross bar set 600 mm above ground level. Base of tree pits shall be broken up to 300 mm before planting. Prior to backfilling, the soil shall be finely broken down and 200 g of a slow release fertilizer such as 'Vitax' incorporated into the backfill, with tree planting compost (50% by volume).

'Puddle' the backfilled tree pit with a 1:99 solution of 'Alginure' to ensure the tree pit is well watered.
Location of tree pits shall be made by the Main Contractor to avoid conflict with underground services.

Mulch
Following planting all beds shall be forked over, raked level and covered with a 75 mm layer of approved bark mulch. (50 mm compacted depth).

Maintenance
The Maintenance period shall run for a period of 12 months after practical completion and shall be undertaken only during suitable weather conditions.

Tree ties shall be regularly inspected and adjusted during the maintenance period.

Shrub areas shall be kept clear of litter and debris, weeding shall be carried out in shrub beds at each grass cutting visit. Weed control may be carried out in order to promote healthy and vigorous growth.
Native shrubs and trees shall be maintained with a 1 m dia weed free area to the base of each plant. Watering shall be carried out during periods of drought or as instructed by the Architect.
The landscape sub-contractor will be responsible for the watering of all trees, shrubs and grass areas in order to minimize plant losses.

DEFECTS LIABILITY
The sub-contractor shall be responsible for the replacement of any plant material that fails to thrive through fault or omission on behalf of the landscape sub-contractor in the supply, transport, handling, planting operations or maintenance operations, where carried out by the landscape sub-contractor.

Defects works may include the following measures:
1) Dusting, spraying or pruning as necessary.
2) Cutting out dead and damaged wood
3) Stone picking
4) Making good damaged or dead turf areas
5) Replacement of dead or dying plant material

The planting and maintenance rates in the tender shall be deemed to include for all such costs and no additional payments shall be made for any works under Defects Liability.

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