

IMPLEMENTATION AND MAINTENANCE GUIDELINES

1.0 GENERAL

All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE. Planting shall not be carried out when the ground is waterlogged, frostbound or during periods of cold drying winds. All bare root stock shall be root dipped in an approved water-retaining polymer.

If the formation level is compacted it should be ripped through before topsoiling. Topsoil depths to be 450mm for shrub beds.

2.0 ORNAMENTAL SHRUBS AND TREES

2.1 Ground Preparation
Where necessary treat existing weeds with a glyphosate based herbicide and allow a suitable period as recommended by the manufacturer for this to take effect. A general purpose slow release fertiliser at the rate of 75gm/m2 and Tree Planting and Mulching Compost at the rate of 20litres/m2 are to be incorporated into the top 150mm of topsoil during final cultivations. All extraneous matter such as plastic, wood, metal and stones greater than 50mm in any dimension shall be removed from site.

Tree pits are to be excavated and the base broken up a further 150mm with the sides well scarified to prevent smearing. Semi mature pleached trees to be secured with a below ground anchoring system (such as a deadman anchor) taking care to avoid underground services and cables etc. Refer to tree pit detail for more information.

2.2 Planting
Shrubs are to be set out as shown on the drawing and pit planted into the prepared soil with minimal disturbance to the rootball and well firmed in.

Trees are to be placed into the pits and backfilled with topsoil incorporating slow release fertiliser and Tree planting and mulching compost as specified. Refer to tree pit detail for more information.
Water in all trees and shrubs at the end of each day of planting.

2.3 Maintenance
The landscape contractor shall maintain all areas of new planting for a period of 12 months following practical completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost.

The site is to be visited monthly throughout the year to undertake the following operations.
Weed clearance: All planting areas are to be kept weed free by hand weeding or herbicide treatment.
Litter clearance: All litter is to be removed from planting beds.
Watering: Planting areas are to be brought up to field capacity at each visit and each tree is to receive 20 gallons.
Checking trees: All tree ties and stakes are to be checked and adjusted if too loose, too tight or if chaffing is occurring. Any broken stakes are to be replaced.
Formative pruning: Any damaged shoots/branches are to be pruned back to healthy wood. Plants are to be pruned in accordance with good horticultural practice to maintain healthy well-shaped specimens.

3.0 TOPSOIL

3.1 Existing Topsoil
Pre-planting herbicide application:-
Apply by suitable spraying apparatus, an approved translocated systemic herbicide to the manufacturer's instructions and to 1997 Control of Pesticides Regulations and 2003 COSHH regulations on all beds, except those which are both weed free and are to receive agrotile sheet mulch. Spray immediately if any weeds are present. If none are showing, but there may be a delay before planting, or the area is to be seeded, spray after one month following cultivation, to allow dormant seed to terminate. All spraying shall be carried out by skilled and qualified operatives, using protective clothing, in suitable weather (no wind) and any damage caused by spray drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and rake off all dead material from site.

Carry out the following works to the existing topsoil on site to ensure it conforms to BS 3882:2015, being free from rocks larger than 50mm diameter, concrete, all roots, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilise with 100g per meter square of Vitax 'Nutricote 180' slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 5 meters in width, fork over thoroughly or machine rotavate soil to a depth of 300mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 5 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or ripper at 500mm centres to a depth of 500mm, except where there are services, or within 10 meters of tree stems or 3 meters of existing hedges. Do not rip areas where roots greater than 10mm diameter are encountered.

3.2 Imported Topsoil
Any imported topsoil for making up ground, shall conform to BS:3882:2015, and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have less than 20% clay.

LEGEND - GREEN ROOF

-  **Sedum to green roof**
Sedum roof system and maintenance as supplied by Skygarden or similar approved.
-  **Wildflower turf to green roof**
Wildflower roof system and maintenance as supplied by Skygarden or similar approved.

LEGEND - EXTERNALS

-  **Steel planter wall with low level lighting to base**
450mm high steel planter wall. Colour - charcoal.
-  **Low level shrub planting to planter**
See plant schedule for details.
-  **Bespoke contemporary hardwood timber seating**
550mm high above ground level hardwood timber seat fixed to steel planter wall with backrest.
-  **Proposed pleached tree planting**
See plant schedule for details.
-  **Pebbles/gravel margin**
Angel Stone cobbles (60-40mm size) as supplied by CED or similar approved.
-  **Granite paving slabs**
400x400mm light grey granite paving slabs. Colour - Catlisto flamed - Despina granite fine picked as supplied by Marshalls or similar approved. Pattern - Stack bond.
-  **Living wall system**
4.00m high living wall system as supplied by Scotscape or similar approved. Planting pattern to reflect the edging straight lines of the landscape design concept.



PLANT SCHEDULE

PLEACHED TREES		SUPPLY	SIZE(cm)	GIRTH(cm)	CTRS(m)
No.	SPECIES				
3	Tilia europaea 'Pallida'	SM	360+	25/30	as shown

3 year trained mature pleached trees. 220cm clear stem, head 200cm(w)x140cm(h) pleached Lime trees. All trees to be planted in accordance with the implementation and maintenance guidelines. The tree planting schedule and landscape proposals must be referred to by the Structural Engineer during foundation design. No tree species, size or location should be altered without prior approval from the Landscape Architect.

LOW LEVEL SHRUBS/HERBACEOUS MIX					
No.	SPECIES	SUPPLY	SIZE(cm)	HABIT	MIX (%) CTRS(m2)
12	Cyrtomium fortunei	3L	20/30	Full Pot	20 6 per m2
6	Dryopteris wallichiana	3L	20/30	Full Pot	10 6 per m2
15	Helleborus orientalis	3L	-	Full Pot	15 10 per m2
12	Skimmia japonica rubella	3L	20/30	Bushy	20 6 per m2
6	Tiarella cordifolia	3L	20/30	Bushy	10 6 per m2
9	Vinca minor	3L	15/20	Bushy	15 6 per m2

All shrubs to be planted in accordance with the implementation and maintenance guidelines. No shrub species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 3.

A-(13/03/2017 WM) Amended rooflight and garden retaining wall.

77 Parkway - Office Extension

Landscape Proposals

Drawing Ref: P17-0222_02
Client: Sheppard Robson
Date :08/03/2017
Drawn by :AP
Checked by :JEP
Scale :1:50@A2