

OUTLINE PLANTING SPECIFICATION / ESTABLISHMENT

These notes are for planning purposes only to highlight the required standards and do not constitute a detailed specification.

Generally:
All landscape operatives will be appropriately trained, certified and qualified to undertake the tasks required. When required, the relevant certificates will be made available for inspection. All work is to be carried out in accordance with the relevant British Standards, Codes of Practice and Legislation.

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.

All soft landscape operations are to be undertaken during the first available planting season, immediately following completion of all construction operations, or in accordance with any planning approval/conditions, whichever is most applicable.
Planting shall not be carried out when the ground is waterlogged, frost bound or during periods of cold drying winds. All bare-root planting stock will be kept covered until actually planted in order to minimise water-loss and prevent the roots from drying out. Tree handling, storage and planting shall be in accordance with BS 8545 Chapters 9 to 10 and Annexes E to F.

All setting out of trees, shrubs and grass shall be inspected and approved by the Landscape Architect prior to planting operations commencing and shall be as set out in the plant schedule on the relevant planting plan.

Prior to planting, all earthworks associated with landscape operations are to be made good, levels graded to top of back of kerb and mounded as appropriate using approved soils as required.

Existing topsoiled areas to be subsoil cultivated to a minimum depth of 450mm (where services allow) prior to topsoil cultivation to a minimum depth of 350mm in all areas.

Remove all deleterious arisings from above cultivations, together with all surface debris currently on site. In all new topsoil areas, excavate to 450mm minimum depth for planting areas. Cultivate a further 250mm to relieve compaction in all areas.

Replace above excavations with approved quality topsoil to the following minimum depths:
Planting areas - 450mm
Grass areas - 150mm
Finished levels of topsoil after settlement to be 50mm above adjacent hard paved areas in all instances.

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.

Tree Planting:
Extra Heavy Std (14-16cm to 18-20cm): 1200x1200x1200mm deep

Tree pit sizes should be increased where necessary to ensure pits are at least 300mm wider and 75mm deeper than the tree root system when fully spread.

Drainage: prior to tree planting a review of the soil type should be undertaken to ensure that the tree pit base will allow water to percolate, and the pit will not become waterlogged. If free vertical drainage will not occur through the base of the tree pit, then a drainage system must be put in place, such as connection to a land drain or additional excavation to reach the gravel seam. Professional advice should be sought from a soil scientist and, if required, a drainage engineer

Tree stakes - trees to be single staked with 75mm x 1800mm pressure treated tree stake secured with tree belt and block.

All extra heavy standard size trees are to be double staked with 75mm diameter stakes. Stakes should be driven at least 300mm into undisturbed ground before planting the tree, taking care to avoid underground services and cables etc. and should typically be one third the height of the tree stem above ground.

Staked trees shall be secured to stakes with suitable proprietary hessian or jute tree ties with approx. 50mm depth. A spacer is to be formed using the natural tree tie itself.

Underground guying [16-18cm girth trees & above] - GreenBlue Urban ArboGuy and AnchorPlate tree guying system, all in accordance with the manufacturer's installation requirements. Specification of system to suit tree size.

Backfill - backfill pits with approved quality topsoil, General-purpose slow-release fertiliser (at the rate of 75g/m²) and Tree Planting and Mulching Compost at the rate of (20litres/m²) are to be incorporated into the backfill of topsoil.

Watering - trees should be watered once a month regardless of weather conditions during the defects liability period in the growing season to ensure that the trees are encouraged to develop the root system.
Water at the following rates:
120 litres per tree for 12-14cm, 14-16cm & 16-18cm girth trees;

In periods of drought, additional watering should be carried out in sufficient quantities to ensure and maintain healthy growth and establishment.

Rabbit guards - all transplants and container grown plants to be protected with tubex tree shelter guards supported by timber stake (or similar approved).

Bark Mulch - Ornamental composted bark mulch will be spread to a depth of 75mm across a 0.8m diameter circle around individual trees, ensuring that the root flare and base of the stem, along with any ground cover plants, are not buried.

Hedge Planting

Bare-root hedge plants shall be notch planted in a double staggered row at the rate of 5 plants per linear metre (using L-shaped notches) using spades of a design suitable for this purpose. The notches must be vertical and deep enough for the roots to hang freely, with the transplant being planted so that the root collar is exactly level with the ground surface. The notch must then be closed and the soil will be well firmed round the roots in line with the guidelines as set out in BS 4428 (1989).

Container-grown hedge plants will be planted into a pit dug 1.5x the diameter of the root mass, with the bottom and sides of the planting pit broken up to aid root expansion. The plants will be planted so that the root collar is exactly level with the ground surface.

All bare-root hedge planting stock will be protected from rabbit damage using approved proprietary 600mm plastic-free shrub guards (e.g. Greentech Bio-Earth Biodegradable Plastic-Free Shelter), supported with 0.9m 12/14lb canes as advised by the manufacturer.

Native shrub Planting:

The minimum overall recommended rooting depth for shrubs is 600mm and for trees is 900mm. The first 300mm shall be made up of multi-purpose topsoil; it shall be ensured that a suitable subsoil provides the remainder of the minimum rooting depth. Before receiving topsoil, subsoils should be loosened using ripping equipment; this shall be done when the subsoil is dry to encourage soil shattering. All stones and other objects larger than 50 mm shall be removed from the prepared surface.

Planting should avoid man-made grids and lines and should group species together in groups of 5-7 plants. Spread ornamental pine bark mulch to a depth of 75mm to a 900mm diameter around each planting station.

When a feather matrix overlay of the shrub planting is to be used these should be planted on a grid of 4 x 4m.

All bare-root planting stock will be protected from rabbit damage using approved proprietary 0.6m (for shrub species) or 1.2m (for tree species) plastic-free shrub guards (e.g., Greentech Bio-Earth Biodegradable Plastic-Free Shelter), supported with 0.9m (or 1.35m for trees) x 32mm x 32mm softwood stakes as advised by the manufacturer

All container-grown planting stock will be protected from rabbit damage using approved proprietary 600mm plastic-free shrub guards (e.g. Greentech Bio-Earth Biodegradable Plastic-Free Shelter), supported with 0.9m x 32mm x 32mm softwood stakes as advised by the manufacturer.

Shrub / Perennial Planting:

All plants should be as scheduled, container grown unless otherwise specified and to be planted evenly spaced at the densities indicated.
Topsoil depths shall be 300mm for shrubs/herbaceous, ensuring that a suitable subsoil shall provide the remainder of the minimum rooting depth. Before receiving topsoil, subsoils should be loosened using ripping equipment, this shall be done when the subsoil is dry to encourage soil shattering. All stones and other objects larger than 50 mm shall be removed from the prepared surface.

Backfill - backfill pits with approved quality topsoil and slow release fertiliser.

Watering - water all plants thoroughly immediately following planting using a fine rose sprinkler.

Mulch - Spread ornamental pine bark mulch to a depth of 75mm across all new planted areas, taking care not to bury groundcover plants

Seeded Areas:

Seeds shall be sown either in April/May or September/October during calm weather and not when the ground is frost bound or waterlogged.

To achieve an even sowing, bulk with an inert carrier, such as sand. Seed shall be sown in two equal sowings in transverse directions at 4g/m². After sowing the contractor shall roll in the seed to guarantee intimate contact with the soil, ensuring not to rake or cover the seed with soil.

Amenity grass seed to be Emorsgate EG22 mix (or similar approved), at a rate of 25g/m².

Wildflower Meadow areas to be Emorsgate EM4 mix (or similar approved), at a rate of 4g/m².

Species selection subject to ecological / soil assessment

Refer to the following British Standards for more detailed information:

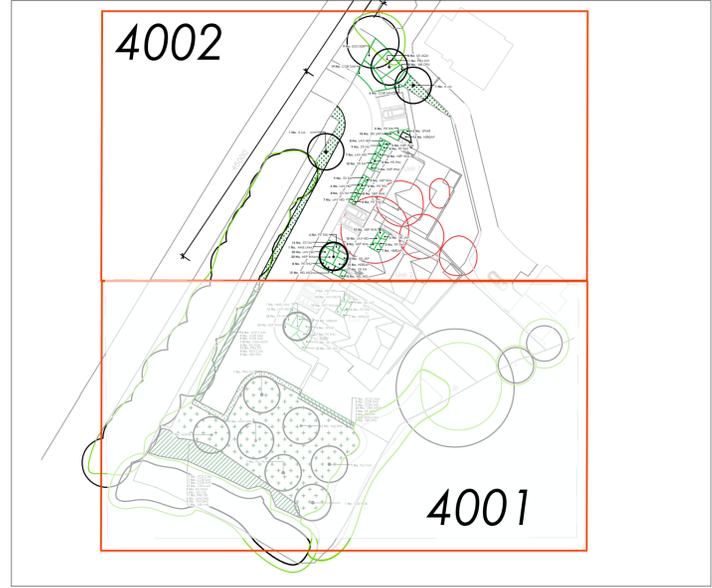
- Recommendations for transplanting rootballed trees BS 4043
- Code of practice for general landscape operations BS4428
- Specifications for topsoil BS 3882:2015 Topsoil
- Nursery Stock. Specification for Trees and Shrubs BS3936 part 1

Notes

1. Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
2. This drawing is based on the Architect's layout by <MKA planning and Architecture, 2470-10, Aug 24>.
3. Ordnance Survey, (c) Crown Copyright 2023. All rights reserved. Licence number 100022432.
4. Drawing to be read in conjunction with all other drawings. Any discrepancies are to be reported to the landscape architect 5 working days in advance of undertaking any work.

Key

- Existing Trees and RPA's
To be retained in accordance with BS5837
- Existing Trees
To be removed
- Proposed Tree & NHBC Offset
Type: 14-16 & 16-18 EHS
Fixing: Wooden Stake with Expandable Tree Tie
Accessories: Irrigation System
- Proposed Native Scrub Planting
Density: 600mm Centres
Topsoil depth 450mm
- Proposed Ornamental Planting
Density: refer to planting schedule
Topsoil depth 450mm
- Proposed Native Hedge Planting
Double staggered row @ 300 mm centres.
450mm offset
Topsoil depth 450mm
- Amenity Grass Areas
Fine Lawn Grass Mixture Emorsgate EG21
Sowing rate: 25 g/m²
Topsoil depth: 150 mm
- Wildflower Grass Areas
Basic: General Purpose Meadow Mixture EM1
by Emorsgate (or similar)
Sowing rate: 4 g/m²
Low Fertile Topsoil depth: 150 mm



Location Plan

P02	20.11.24	Amendments made to planting	GD	TG
P01	20.09.24	First Issue	GD	TG
Rev	Date	Details	By	Chkd



CLIENT: Wyndham Property Group

PROJECT: Hawthorns

TITLE: Detailed Planting Plan

SCALE @ A1:	DATE:	DRAWN:	CHECKED:	APPROVED:
1:100	20.09.24	GD	TG	TG

STATUS: INFORMATION

DRAWING NO:	REVISED:
240820-RAAP-XX-XX-DR-L-4002	P02