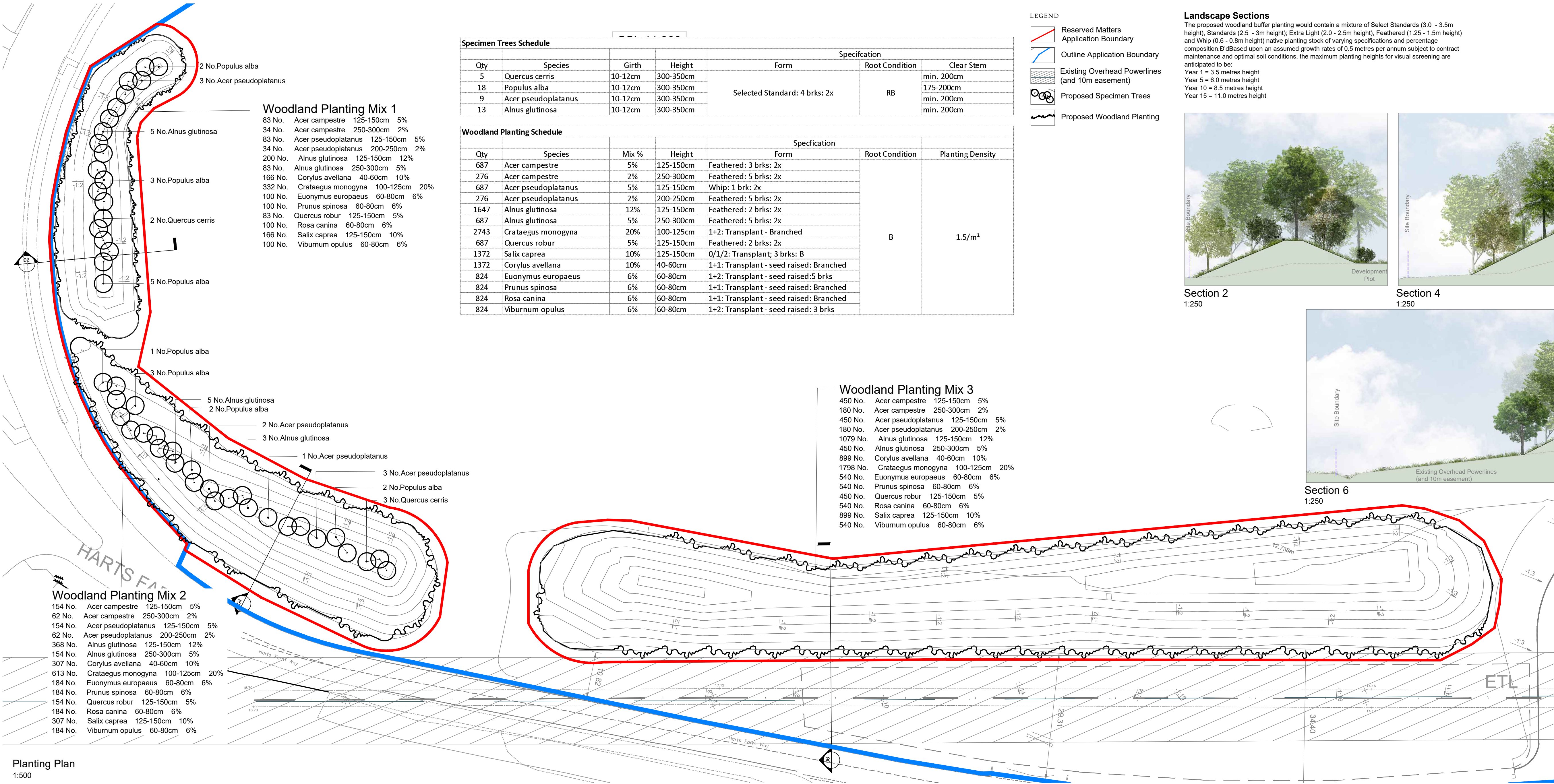


Z:\8884_EXTON_ESTATES\CAD\DRAWINGS\8884-LDA-ZZ-XX-DRL-5000 DETAILED PLANTING PLANDWG



Landscape Sections

The proposed woodland buffer planting would contain a mixture of Select Standards (3.0 - 3.5m height), Standards (2.5 - 3m height), Extra Light (2.0 - 2.5m height), Feathered (1.25 - 1.5m height) and Whip (0.6 - 0.8m height) native planting stock of varying specifications and percentage composition. Based upon an assumed growth rates of 0.5 metres per annum subject to contract maintenance and optimal soil conditions, the maximum planting heights for visual screening are anticipated to be:

Year 1 = 3.5 metres height
Year 5 = 6.0 metres height
Year 10 = 8.5 metres height
Year 15 = 11.0 metres height



Section 2
1:250



Section 4
1:250



Section 6
1:250

Planting Plan

1:500

PLANTING SPECIFICATION

1. GENERAL

- 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 in accordance with the National Plant Specification. Supplying nurseries shall be registered under the Horticultural Trades Association (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.
- Prior to planting soil percolation tests will be undertaken to ensure the soil is free draining and that planting will not become waterlogged. If soil is not free-draining the landscape architect should be informed and advice should be sought from a soil scientist, following which remediation/drainage solutions undertaken to ensure the planting will thrive.
- 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.
- The landscape contractor shall maintain all areas of new planting for a period of 12 months following Practical Completion [PC]. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost.
- A minimum intervention approach will be used in terms of weed control. In areas of woodland or amenity shrub planting this is to be achieved by using mulch mats and hand-weeding. Weed killer and other chemicals will be used as little as possible. Spot removal of weeds will be carried out by hand as necessary.
- Topsoil depths to be a minimum of 450mm for all woodland planting mix areas, 300mm for all amenity shrub beds and 200mm for all grass areas.

2. TREE PLANTING

Ground Preparation and Tree Pit Excavation

- Where necessary remove existing weeds by hand. Chemical removal using a glyphosate based herbicide will be avoided unless large areas need clearing - following which allow a suitable time period to elapse, as recommended by the manufacturer, for the herbicide to take effect.
- Tree pits of at least 75mm diameter greater than the root system and no deeper than the rootball / container depth are to be excavated and the sides well scarified to prevent smearing. All extraneous matter such as plastic, wood, metal and stones greater than 50mm in any dimension shall be removed from site to a licensed tip.
- During excavation of the tree pit, the soil dug should be placed to one side separating the topsoil and subsoil as far as is practical.
- 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.

- 2.5. Trees shall be planted as per the locations and specification shown on this planting plan and schedule.

- 2.6. The typical rooting depth for trees is 900mm. The first 450mm shall be made up of topsoil; it shall be ensured that a suitable subsoil provides the remainder of the minimum rooting depth.

- 2.7. The root system of the tree should be wetted prior to planting. The tree should be planted at the correct depth taking into account the position of the root flare and the finished level - the rootball or root stem transition should be level with the existing host soil or surface. The base of the rootball should typically sit on subsoil, for larger rootballs the subsoil will sit around the lower portion of the rootball.
- 2.8. Tree pits should be backfilled with the excavated topsoil, if the original topsoil is not available or deemed unsuitable, a multi-purpose topsoil should be used. Any subsoil excavated should be discarded and the subsoil depth (beyond 450mm deep) backfilled with a high sand content subsoil. Backfill should be added gradually, in layers of 150mm depth, ensuring the tree is held upright. At each stage the backfill should be firmed in to eliminate all air pockets under and around the root system, but with care being taken not to excessively compact the soil. The final layer should not be consolidated.

- 2.9. General-purpose slow release fertiliser [at the rate of 75g/m²] and Tree Planting and Mulching Compost at the rate of [20 litres/m²] are to be incorporated into the top 150mm of topsoil during final cultivations.

- 2.10. All tree planting stock will be protected from rabbit damage using approved proprietary 0.6m to 1.2m tree shelters [Tubex or similar approved] supported with 32mm x 32mm softwood stakes and plastic ties as advised by the manufacturer.

- 2.11. All Extra Heavy Standard [EHS, 16-18 cm girth] and Select Standard [SS, 10-12 cm girth] size trees are to be double staked with 75mm dia stakes. Stakes should be driven at 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.

- 2.12. Staked trees shall be secured to stakes with suitable proprietary rubber tree ties and spacers.

- 2.13. Immediately after planting, but before applying the 75mm depth bark mulch layer, all trees should be saturated to field capacity.

- 2.14. Ornamental composted bark mulch will be spread to a depth of 75mm across all woodland planting mix areas, amenity shrub beds and individual trees, ensuring that the root flare and base of the stem, along with any ground cover plants, are not buried.

3. WOODLAND PLANTING MIX

Ground Preparation

- 3.1. Ensure that the topsoil surface for all woodland planting mix areas, amenity shrub beds and individual trees is free from weeds and debris prior to planting.

Planting

- 3.2. The minimum overall recommended rooting depth for shrubs is 600mm and for trees is 900mm. The first 450mm 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 50mm diameter shall be removed from the prepared surface.

- 3.3. Trees and shrubs are to be planted as per the locations and specification set out on the planting plan and schedule, with all planting at even spaces into the prepared soil at the specified number per centre, with minimal disturbance to the rootball, and well firmed in. Planting should avoid man-made grids and lines and should be grouped together in groups of 3, 5 and 7 plants to appear natural. Spread ornamental pine bark mulch to a depth of 75mm across all woodland planting mix areas.

- 3.4. All woodland planting stock will be protected from rabbit damage using approved proprietary 0.6m to 1.2m tree shelters [Tubex or similar approved] supported with 32mm x 32mm softwood stakes and plastic ties as advised by the manufacturer.

Maintenance

- 3.5. Using approved herbicides, a 900mm diameter circle centred on each planting station shall be kept weed free throughout the maintenance period. In the autumn following planting the Contract Administrator will prepare a list of all plants which are dead, dying or diseased and are to be replaced during the following planting season.

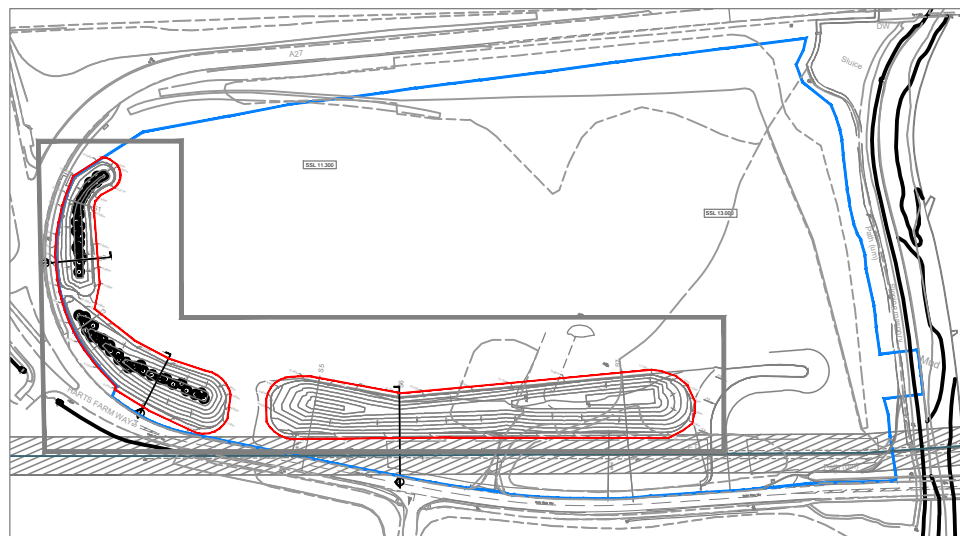
7. GENERAL MAINTENANCE

- 7.1. The Landscape Contractor shall maintain all areas of new planting for a period of 12 months following Practical Completion [PC]. 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:

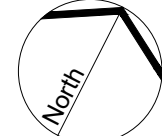
- Weed clearance: All planting areas to be kept weed free by hand weeding or non-residual herbicide treatment.
- Litter clearance: All litter is to be removed from planting beds to a licensed tip.
- Watering: All planted areas are to be watered for the first two years from May to September following any dry periods of 7 days.

Trees and Shrubs

- 7.2. All trees are to be watered weekly from May to the end of September unless unnecessary due to heavy rain to ensure good plant health and to prevent desiccation. All shrubs are to be watered for the first two years from May to September following any dry periods of 7 days. All tree ties, stakes and shelters are to be checked and adjusted if too loose, too tight or if chaffing is occurring. Any broken stakes are to be replaced. 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. All planting beds shall be kept weed free throughout the maintenance period. Stakes may be removed from Year 2 if plant is fully established and if shelter is suppressing further growth.



Location Plan
NTS



0 20m

01 Added Location Plan
REV. DESCRIPTION RF 28/04/23
APP. DATE

LD&A DESIGN

PROJECT TITLE
HARTS FARM WAY
BROCKHAMPTON, HAVANT

DRAWING TITLE
BUND PLANTING PLAN AND SECTIONS
RESERVED MATTERS APPLICATION FOR BUNDS

ISSUED BY Bristol T: 0117 203 3628
DATE 27/03/2023 DRAWN SJO
SCALE: A1 1:500 CHECKED RFR
STATUS Planning APP'ROVED RFR

DWG. NO 8884-LDA-ZZ-XX-DR-L-5001

No dimensions are to be scaled from this drawing.
All dimensions are to be checked on site.
Area measurements for indicative purposes only.
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Sources SOURCE