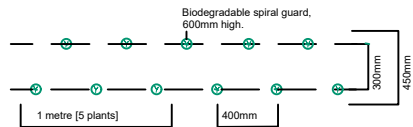
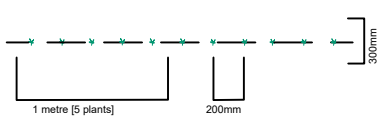


Double staggered row  
Plant in trench cultivated to a width and depth of 350mm.



Single row of single species  
Plant in trench cultivated to a width of 300mm and depth of 350mm.



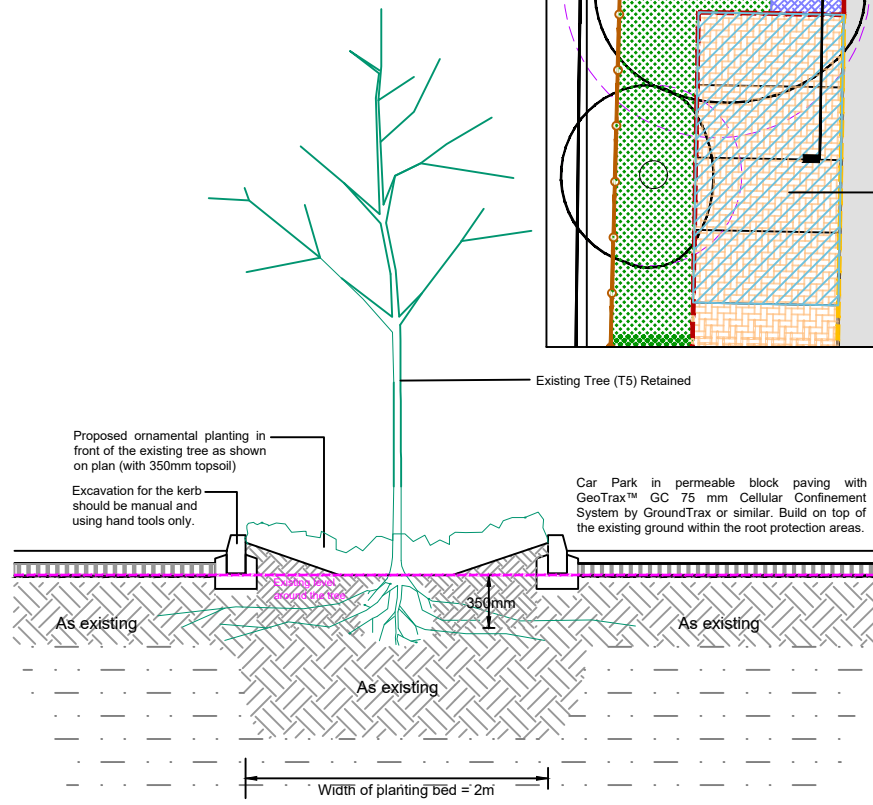
The diagram illustrates the installation of a tree pit, divided into two main sections: a top-down view (left) and a cross-section view (right).

**Top-down view (left):** Shows a circular tree pit with a 1m radius. The pit is filled with a 1x1m square grid of biodegradable weed mat (BHT). The pit is surrounded by a 1m radius medium-grade bark mulch. The irrigation system is fixed around the top of the root ball.

**Cross-section view (right):** Shows the tree pit in cross-section. The tree is planted in a 1m x 1m square pit. The pit is filled with a 1x1m square grid of biodegradable weed mat (BHT). The pit is surrounded by a 1m radius medium-grade bark mulch. The irrigation system is fixed around the top of the root ball. The pit is 150mm deep. The tree is 600mm high. The tree is supported by three stakes. The stakes are 300mm long. The stakes are 3 no. Ø50mm round wooden tree stakes, pressure-treated with preservatives. The stakes should be driven vertically 300mm into undisturbed ground at the bottom of the planting pit and cut to a height of 800mm above ground level (minimum stake length: 2.1m). Position the stakes evenly around the tree trunk, spaced at 120° intervals. Secure the tree to the stakes using biodegradable Hessian tree ties, ensuring the strapping is twisted to prevent movement around the trunk. The tree is 600mm high. The tree is supported by three stakes. The stakes are 300mm long. The stakes are 3 no. Ø50mm round wooden tree stakes, pressure-treated with preservatives. The stakes should be driven vertically 300mm into undisturbed ground at the bottom of the planting pit and cut to a height of 800mm above ground level (minimum stake length: 2.1m). Position the stakes evenly around the tree trunk, spaced at 120° intervals. Secure the tree to the stakes using biodegradable Hessian tree ties, ensuring the strapping is twisted to prevent movement around the trunk.

**Annotations:**

- 1m radius medium-grade bark mulch
- Irrigation system fixed around top of root ball, GreenBlue RootRain Urban irrigation system or similar approved. Ensure filler cap finishes level or slightly above finished mulch layer.
- Pit should be elevated 50mm above ground level in wet or boggy soil conditions, but level with the surrounding ground in normal soil conditions. Cover the pit with a 1x1m biodegradable weed mat (BHT or similar) and top with a 70mm layer of medium-grade bark mulch, extending to a 1m radius.
- 150mm
- 300mm
- 1m x 1m square pit
- Subsoil
- Depth of pit 0.9m
- 600mm
- 50mm
- hard surface according to engineer's details
- Install 900mm-long root barrier for trees located 2m or less from the kerb, ensuring the ribs face the tree.
- Base of pit to be scarified or ripped to depth of approx. 100mm to allow for free drainage
- Selected Standard root balled tree with 10-12cm girth OR Extra Heavy Standard root balled tree with 14-16cm girth
- Root balled tree
- 3 no. Ø50mm round wooden tree stakes, pressure-treated with preservatives. Stakes should be driven vertically 300mm into undisturbed ground at the bottom of the planting pit and cut to a height of 800mm above ground level (minimum stake length: 2.1m). Position the stakes evenly around the tree trunk, spaced at 120° intervals. Secure the tree to the stakes using biodegradable Hessian tree ties, ensuring the strapping is twisted to prevent movement around the trunk.
- Biodegradable plastic-free tree guard (Bio-Earth or similar), min. 600mm



Hard surfaces within the root protection areas of existing trees will be constructed on top of the existing surface to minimise root disturbance and potential damage. A GeoTrax™ GC 75 mm Cellular Confinement System (or similar approved system) will be used within the hatched areas.

- Tree and hedgerow protection, subsoil cultivation, topsoiling and levelling/grading operations outlined below are the responsibility of the Site Agent unless stated otherwise.
- All soft landscaping should be carried out by specialist landscape sub-contractor who is a member of the British Association of Landscape Industries (BALI).
- All plants shall conform to BS 3936 and be in accordance with the National Plant Specification and the specification details shown on this drawing. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme.
- Bare root material is to be root wrapped and planted within 24 hours of lifting from the nursery and/or kept in the appropriate conditions if this time is to be extended in agreement with the Landscape Architect. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by the Committee for Plant Supply and Establishment (CPSE).
- Any plant material that does not meet the specification or schedule requirements shall be rejected and replaced at the landscape contractor's own expense.
- Planting shall not be carried out when the ground is waterlogged, frost-bound or during periods of cold drying winds. Turf shall be supplied in accordance with BS 3969 and all turfing operations with BS 4428.

- Precautions must be taken to ensure that trees and hedges shown for retention should remain undisturbed with roots and branches protected with temporary barriers forming construction exclusion zones, in accordance with BS 5837. Any tree surgery work should be in accordance with BS 3998 'Recommendation for Tree Work' and must comply with any Conservation Area, Tree Preservation Orders or specific planning conditions where appropriate.
- Reference must be made to the Tree Constraints Plan DS/98621/SC (By Treecell dated 30 September 2021).
- Unless otherwise agreed by the supervising arboriculturist, all excavation will be carried out in the root protection areas of the existing vegetation surrounding the site should be manual and using hand tools only.
- Hard surfaces within the root protection areas of retained existing trees will be constructed on top of the existing surface to minimise root disturbance and potential damage. A GeoTrax™ GC 75 mm Cellular Confinement System (or similar approved system) will be used within the hatched areas (refer to detail above).

- Prior to any topsoiling all subsoil should be thoroughly 'ripped' to relieve compaction using suitable machinery, or by hand in confined areas or in proximity to existing tree roots to a depth shown below.

- Topsoil and all topsoiling operations are to be carried out in accordance with BS 3882:2015. Topsoil should be carried out to the depths shown below and all topsoiled areas should be cleared of all extraneous matter such as perennial weeds, plastic, wood, metal and stones greater than 50mm in any dimension which should be removed from site.

| <b><u>Type of Soft Work</u></b> | <b><u>Topsoil Depth</u></b> | <b><u>Depth of Subsoil to be Broken Up</u></b> |
|---------------------------------|-----------------------------|------------------------------------------------|
| Tree Groups*                    | 600-900mm                   | 200mm                                          |
| Shrubs and Hedgerows            | 300-350mm                   | 150mm                                          |
| Grassland                       | 150mm                       | 150mm                                          |
| Wildflower Meadow               | 0mm                         | 150mm                                          |

- Only where necessary, because significant weed growth has started to establish, treat existing weeds with a non-residual based, herbicide and allow a suitable period as recommended by the manufacturer for this to take effect.

Herbicide should be used strictly in accordance with Control of Pesticide Regulations 1986 (or otherwise updated/superseded legislation), according to manufacturer's instructions and only by qualified staff. Use products that are approved by the Soil Association.

- A general purpose organic slow release fertilizer at the rate of 100g/m<sup>2</sup> is to be incorporated into the top 150mm of topsoil during final cultivations.
- Tree pits to the specified size are to be excavated and the base broken up a further 150mm with the sides well scarified to prevent smearing.

- Shrubs and hedges are to be set out as shown on the drawing at the specified densities and centres, trees are to be planted in the positions shown on the drawing ensuring that they are at the correct distances from adjacent buildings and a minimum of 1.5m from drainage runs. It is the contractor's responsibility to ensure that all underground services have been located and identified in advance of tree pit excavation to avoid damage to any underground services or cables.

- Planting is to be undertaken during the planting season, from late October to March unless otherwise instructed.
- New tree planting shall be carried out in accordance with BS 8545:2014 Trees: from nursery to independence in the landscape - Recommendations.

prepared soil, incorporating Peat Free Tree and Shrub Compost in quantities shown below and firmed in. Planting pit sizes should be relative to the root and container size of the plant and shall be sufficiently large enough to allow for backfill of topsoil and planting compost.

- Quantities of Peat Free Tree and Shrub Planting Compost:
  - Shrubs and Herbaceous: 2 Litres
  - Trees: 35 Litres plus 100g/m<sup>2</sup> organic slow release fertiliser

- All root-balled trees shall be triple staked with 50mm diameter stakes. Stakes should be driven vertically 300mm into undisturbed ground at the bottom of the planting pit and cut to a height of 800mm above ground level (minimum stake length: 2.1m). Position the stakes evenly around the tree trunk, spaced at 120° intervals. Secure the tree to the stakes using biodegradable Hessian tree ties, ensuring the strapping is twisted to prevent movement around the trunk.

- Trees are to be fitted with a Biodegradable plastic-free tree guard for min. 600mm.
- Where tree pits are within 5m of roads and services, and within 3m of other paved surfaces, 'GreenBlue Urban ReRoot 600' linear root barrier with root deflecting ribs, or equivalent, is to be installed in accordance with the manufacturer's instructions. Install with ribs facing the tree in the upper 600mm of the soil ensuring that there are no sharp objects close to either side of the barrier. The top edge of the root barrier must remain 10mm above the surface on the tree side with no growing medium over the top of the barrier. Overlapping ends should be joined by taping both sides with GreenBlue Urban ReRoot jointing tape or equivalent.

- Bare root plants are to be notch planted, ensuring the notch is vertical and deep enough for the roots to hang freely. The notch is to be closed and the soil well firmed around the roots. Any container grown or root balled plants are to be pit planted. All stock is to be fitted with a 60cm minimum size biodegradable spiral rabbit guard secured to a bamboo cane.

- Hedges are to be trench planted in a double staggered row at 400m centres with 300mm between rows in a trench 450mm wide X 450mm deep planting, or in a single row at 200mm centres in a trench 300mm wide X 450mm deep. All trenches are backfilled with the excavated material incorporated with a general purpose slow release fertilizer at a rate of 100g/m<sup>2</sup>. Mixed Native Hedge is to be fitted with a biodegradable spiral rabbit guard secured to a bamboo cane support.

- All planting is to be watered thoroughly, to full ground capacity, immediately after planting.

- Biodegradable Mulch Mat to be applied to individual trees in grass area at a depth of 50mm following planting to control weeds, retain moisture and insulate the soil. Ensure the area to be mulched is entirely free from annual and perennial weeds, and that the planting is fully watered prior to applying the mulch mat. Biodegradable Mulch Mat to be Rainbow Treebio Biodegradable Weed Mat Rolls by GreenTech or similar.
- Ornamental bark 8-35mm to be spread at a depth of 50 mm for ornamental planting beds and hedges. Finished mulch levels should be no higher than 15mm below adjacent pavement or grass levels to avoid any spillages.

- The area to be seeded shall be cultivated to a minimum depth of 100mm, eradicating all weeds and removing these, and debris and stones over 25mm diameter, from site. The surface shall be raked to smooth flowing contours with a medium tilth and well firmed.

- All Grass seed shall be sown in March to May or September depending on conditions, during calm weather and not when the ground is frost bound, waterlogged or excessively dry. Mix to be used will be EL1 flowering lawn seed mix from Emorsgate, sown at 4g/m<sup>2</sup>. After sowing the contractor shall lightly rake the seed into intimate contact with the soil. For all product and technical information, please refer to the seed manufacturer: Emorsgate Seeds ([www.wildseed.co.uk](http://www.wildseed.co.uk)).

All wildflower seed mixes are to be from a certified source with local provenance seed stock. Bring topsoil to a medium tilth and remove stones over 25mm. Sowing applications will be carried out in early spring or late autumn at 4g/m<sup>2</sup>, or the rate indicated by the manufacturer and lightly raked into intimate contact with the soil. Mixes to be used will be Emsorgate EM2 Standard General Purpose Meadow. For all product and technical information, please refer to the seed manufacturer; Emsorgate Seeds ([www.wildseed.co.uk](http://www.wildseed.co.uk)).

- The Landscape Contractor shall maintain all landscape areas for a period of 12 months following practical completion to ensure successful establishment. All stock deemed to be dead, dying or diseased with the 12 months defect period shall be replaced by the contractor at his own cost.

- All planting areas are to be kept weed free by a non-residual based, herbicide application (native mix areas), with an appropriate herbicide used for marginal planting areas.

- All areas are to be kept litter free.

- All tree ties and stakes are to be checked, adjusted if too loose, too tight or if chaffing is occurring and replaced if damaged or missing. Any broken stakes are to be replaced.

- Mow regularly as a lawn but not too short (25-40mm). Mow newly sown flowering lawns regularly (every 7-10 days during growing season) throughout the first year of establishment. Cut to a height of 40-60mm, removing cuttings if dense. To permit flowering, mowing can be relaxed from May. Cut again when the sward gets untidy (after 4-8 weeks). Mowing may be suspended earlier in the year to allow cowslips to flower. Heavy quantities of cuttings should be collected and removed from site. Reseed areas where seed has not taken on an annual basis.

- Cut meadow areas twice yearly in May/June and September to a height of 10cm, removing all cuttings off site. Reseed areas where seed has not taken on an annual basis.

- Hand pull, or spot treat with a translocated herbicide, all woody species or pernicious perennial weeds such as thistles, nettle and bramble.

|  |       |                          |            |                                                                                                                                                                                           |
|--|-------|--------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |       |                          |            | CLIENT:<br>Hall and Woodhouse<br>PROJECT:<br>The Gardeners Arms, Ardingly<br>TITLE: Soft Landscape Details and<br>Outline Specification Notes<br>SCALE AT A3: 1: 50<br>DATE: January 2026 |
|  |       |                          |            |                                                                                                                                                                                           |
|  |       |                          |            |                                                                                                                                                                                           |
|  |       |                          |            |                                                                                                                                                                                           |
|  |       |                          |            |                                                                                                                                                                                           |
|  |       |                          |            |                                                                                                                                                                                           |
|  |       |                          |            |                                                                                                                                                                                           |
|  | Rev A | Grass mix updated as EA. | 16/01/2026 |                                                                                                                                                                                           |
|  | Rev - | Issue for comment.       | 05/01/2026 | 1029.2 / 08A                                                                                                                                                                              |

Based on Ordnance Survey mapping with permission of Her Majesty's Stationery Office  
Licence no. AP187372

## hankinson duckett associates

The Stables, Howbery Park, Benson Lane, Wallingford, OX10 8BA  
 t 01491 838175 e [consult@hdc-enviro.co.uk](mailto:consult@hdc-enviro.co.uk) w [www.hdc-enviro.co.uk](http://www.hdc-enviro.co.uk)

**Landscape Architecture  
Masterplanning  
Ecology**

