

**Tree Maintenance and Management During 5 Year Establishment Period**

**Watering**  
Immediately following planting, the tree should be watered thoroughly. Subsequent watering will be undertaken as necessary by the developer to ensure the establishment and thriving of all planted areas, particularly during the first three years of establishment. Frequency of watering will increase in regularity during periods of dry weather. Watering will be to the full depth of the topsoil. If supply is restricted by emergency legislation, watering will not be carried out unless instructed to do so.

**Irrigation Pipe**  
In accordance with the Tree Pit Detail (Point No. 2), the irrigation pipe should be used as the primary method of watering. Watering frequency is more important than quantity to prevent the root ball of the newly planted tree from drying out.

**Tree Guard**  
All trees are fitted with protective guards to prevent animal and strimmer damage (see Tree Pit Detail Point No. 4). These should be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs, additional measures may be required.

**Assessment and maintenance**  
A formal assessment of young tree health and development should be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment, any stakes and ties should be checked to ensure they are providing support but not damaging the tree, and that the tree is still firmly seated in the ground. If the tree has become loose in the ground, the soil around the base should be re-firmed and stakes and ties adjusted accordingly.

The mulched area around the base of the tree should be kept clear of competing vegetation and weeds at all times.

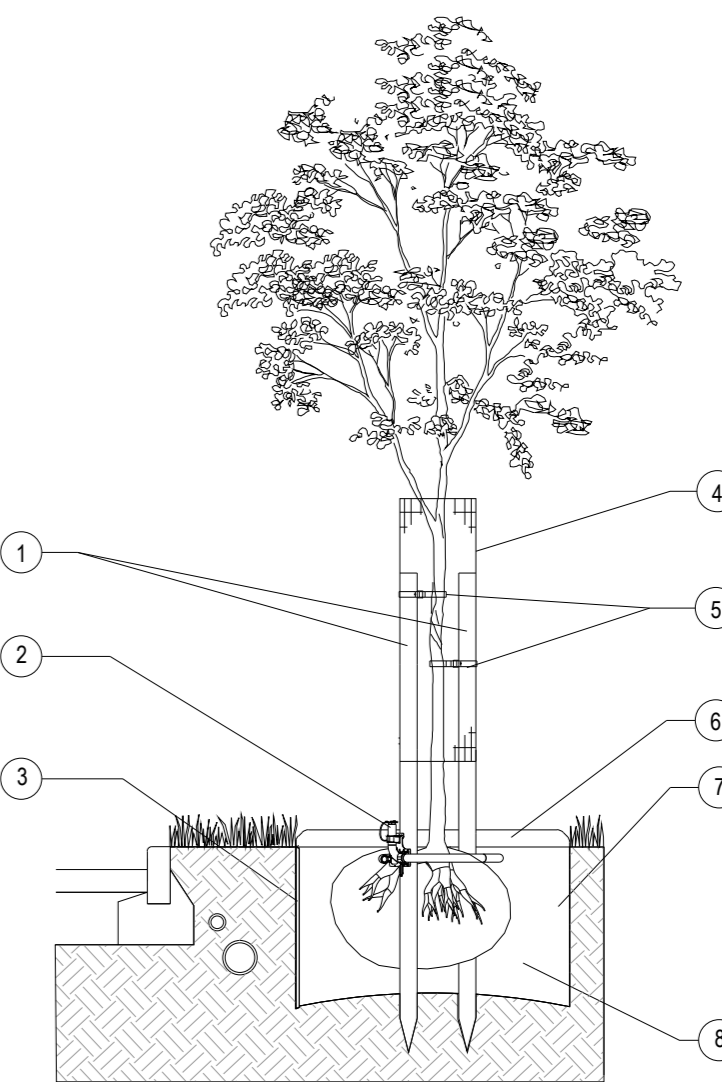
Tree stakes and ties should be removed once the tree has established a strong enough root system to support itself. A review should be undertaken at year 2 after planting to determine if they are self supporting; if subsequent checks are required these should be undertaken annually.

Tree guards should remain in place until the end of the five year establishment, with adjustments or segments added as necessary to facilitate tree growth.

Tree guards should only be removed if they are beginning to restrict tree growth or if it is felt the risk of damage has significantly reduced due to strong tree growth and development or changes in the surrounding environment.

Formative pruning should be carried out in accordance with BS 3998 as required throughout the five year establishment period.

For further guidance on tree maintenance during establishment refer to BS 8545:2014 Section 11.



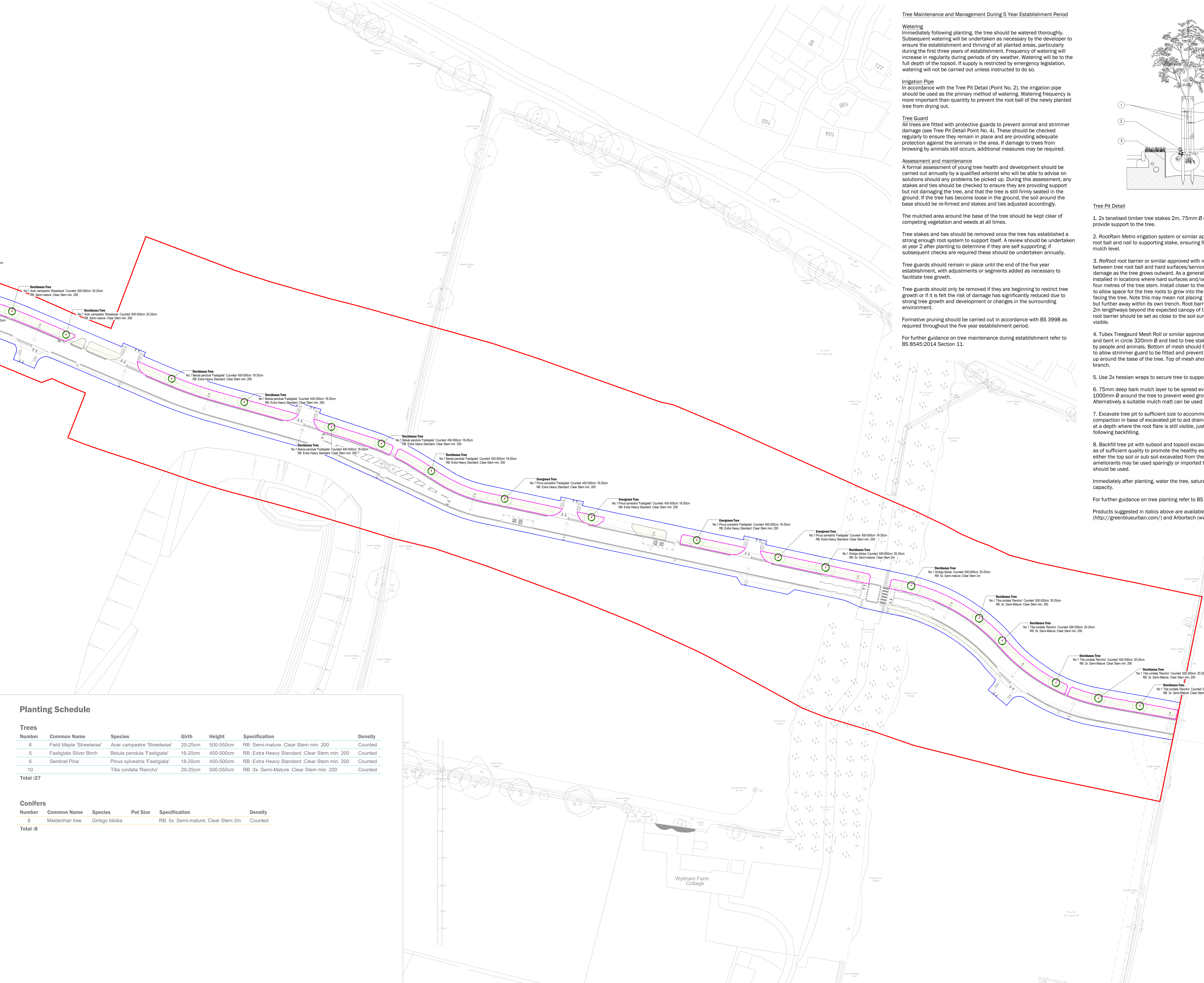
**Tree Pit Detail**

- 2x tanalised timber tree stakes 2m, 75mm Ø driven into backfilled pit to provide support to the tree.
- RootRain Metro irrigation system or similar approved. Place around top of root ball and nail to supporting stake, ensuring filler cap finishes slightly above mulch level.
- ReRoot root barrier or similar approved with root deflecting ribs installed between tree root ball and hard surfaces/services where there is a risk of root damage as the tree grows outward. As a general rule, root barriers should be installed in locations where hard surfaces and/or services are located within four metres of the tree stem. Install closer to the paving/service than the tree, to allow space for the tree roots to grow into the space available, with the ribs facing the tree. Note this may mean not placing the barrier within the tree pit, but further away within its own trench. Root barriers must extend a minimum of 2m lengthways beyond the expected canopy of the mature tree. The top of the root barrier should be set as close to the soil surface as possible without being visible.
- Tubex Treeguard Mesh Roll or similar approved. 12mm mesh roll cut to size and bent in circle 320mm Ø and tied to tree stake to protect tree from damage by people and animals. Bottom of mesh should be 300mm above ground level to allow strimmer guard to be fitted and prevent litter and grass/weeds building up around the base of the tree. Top of mesh should be below the first lateral branch.
- Use 2x hessian wraps to secure tree to support post.
- 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture. Alternatively a suitable mulch mat can be used covering the same area.
- Excavate tree pit to sufficient size to accommodate tree root ball. Loosen any compaction in base of excavated pit to aid drainage. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface following backfilling.
- Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is off poor quality, then soil ameliorants may be used sparingly or imported topsoil compliant with BS3882 should be used.

Immediately after planting, water the tree, saturating the tree pit to field capacity.

For further guidance on tree planting refer to BS 8545:2014 Section 10.

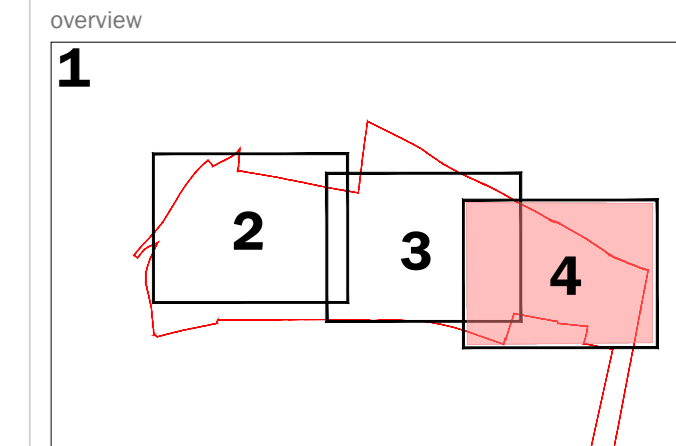
Products suggested in italics above are available from Green Blue Urban (<http://greenblueurban.com/>) and Arbotech ([www.arbotech.co.uk](http://www.arbotech.co.uk/)).



**Planting Schedule**

| Number           | Common Name              | Species                       | Girth   | Height    | Specification                                 | Density |
|------------------|--------------------------|-------------------------------|---------|-----------|---|---------|
| 6                | Field Maple 'Streetwise' | Acer campestre 'Streetwise'   | 20-25cm | 500-550cm | RB :Semi-mature :Clear Stem min. 200          | Counted |
| 5                | Fastigate Silver Birch   | Betula pendula 'Fastigiata'   | 18-20cm | 450-500cm | RB :Extra Heavy Standard :Clear Stem min. 200 | Counted |
| 6                | Sentinel Pine            | Pinus sylvestris 'Fastigiata' | 18-20cm | 450-500cm | RB :Extra Heavy Standard :Clear Stem min. 200 | Counted |
| 10               | Tilia cordata 'Rancho'   | Tilia cordata 'Rancho'        | 20-25cm | 500-550cm | RB :3x :Semi-Mature :Clear Stem min. 200      | Counted |
| <b>Total :27</b> |                          |                               |         |           |   |         |

| Number          | Common Name     | Species       | Pot Size | Specification                      | Density |
|-----------------|-----------------|---------------|----------|------------------------------------|---------|
| 8               | Maidenhair tree | Ginkgo biloba |          | RB: 5x :Semi-mature; Clear Stem 2m | Counted |
| <b>Total :8</b> |                 |               |          |                                    |         |



A risk assessment has been carried out on this design. Residual risks following this process are listed below. A copy of the full Design Risk Register is also available on request from EDP.

**Numbered List**

1. Installing trees and implementation of soft landscaping within a construction environment (across the site).
2. Working within close proximity of underground services (across the site).
3. Works adjacent to existing/proposed highways (across the site).

For further guidance, refer to HSE Construction (Design and Management) Regulations 2013.

| REVISIONS | I.   | DR | MM   | 11/05/22 | Update To Tree Pit And Maintenance Details.  |
|-----------|------|----|------|----------|--|
|           | K.   | DR | MM   | 28/07/20 | Update to tree species.  |
|           | J.   | JW | MM   | 25/07/21 | Grass added to southern verge in locations where footway steps back from the carriageway edge. |
|           | REV. | TO | CHK. | DATE     | DETAIL   |

**purpose of issue** PLANNING  
**client** L&Q Estates Ltd  
**project title** Wykham Park Farm  
**drawing title** Spine Road Landscape Design  
**Sheet 4 of 4**  
**date** 11 AUGUST 2022 **drawn by** DR  
**drawing number** edp5378\_0009L **checked by** JW  
**scale** 1:5000 A0 **QA** RB