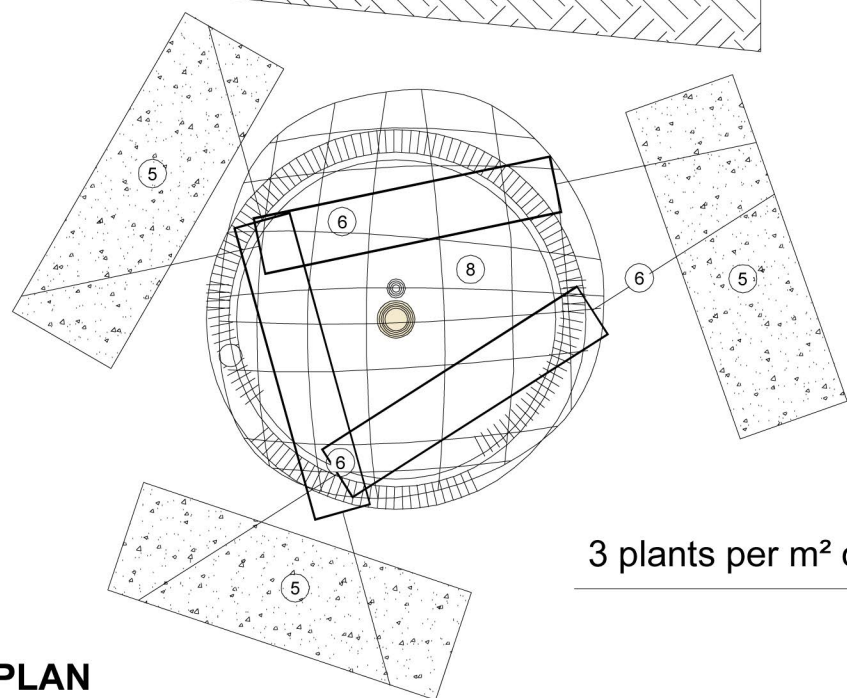


- Top of root barrier to finish 75mm below finished soil level, installation with sides vertical.
- 3 no. pre-cast concrete 'dead-man' type kerbstones in base of planting pit to secure guying wires to.
- Underground guying with min. 3 no. mat straps, 6mmØ galvanised multi-strand guying wires and deadman kerts to BS-4043. Use galvanised ratchet winder to tension guying wires.
- Multi-purpose grade topsoil to BS-3882 with ameliorants and compost.
- Tree planting, prepare roots and transplant to BS-4043, wrap trunks and lower branches with hessian strips and leave on for at least two summers
- Q31/312 Min. 50mmØ perforated plastics int/Ventilation pipe with plastic cover cap in circle above and around rooftop of tree.
- Q31/395 Lay 90gsm<sup>2</sup> UV-resistant black permeable weed-guard type geotexte over topsoil layer and plant shrubs through it.
1. Q31/385 75mm depth medium grade bark mulch or mulch cover as specified
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## A stylized illustration of a tree with a brown trunk and branches, and green foliage. The tree is set against a white background with a faint grid pattern. The foliage is composed of many small, green, rounded shapes, giving it a dense, bushy appearance. The trunk is a simple brown line, and the branches are also brown, extending outwards from the trunk. The overall style is clean and modern, with a focus on the shape and color of the tree.

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1. Q31/505 The tree pit should be excavated to allow adequate clearance between the root ends (when fully spread) and the side of the pit.
2. Excavate the tree pit to 1200x1200x1000mm depth. Care is to be taken that soil removed from the pit does not damage existing landscape finishes (topsoil, mulch, plants, grass lawns etc); protection from foot damage is to be provided by the use of boards.
3. Fork the bottom and sides of the pit to break up the sub-soil. Q31/586 Back-fill with 1200mm<sup>3</sup> multi-purpose grade topsoil to BS:3882 as shown to the level of the roots. Scarify pit sides, and ensure pit bottom is slightly raised.
4. Q31/515 On heavy wet soils, provide a min 150mm depth of clean gravel or broken stone, with no fines, graded 40 to 20 mm with a geotextile filter membrane on top to aid drainage.
5. Mix the dug soil with a slow-release fertiliser and an approved soil ameliorant.
6. Stakes and rail to be half-round 150mm diameter planed finish. Drive in the stakes so that they are a minimum of 300mm below the bottom of the pit, and 650mm above the ground level. The stakes and rail are to be sweet chestnut or peeled larch poles, pointed at one end, preserved to resist rot for their intended lifespan, and strong enough to take galvanised screws without splitting.
7. Plant the tree, ensuring that the original depth is maintained and the soil is carefully firmed back up to the existing ground level.
8. Secure the rail to the stakes with 2 no. galvanised screws per stake.
9. Secure the tree to the rail with 2 no. rainbow type rubber tree ties, screw-fixed to rails. Secure ties to allow for movement but to prevent damage to trunk.
10. Q31/512 Install irrigation/ventilation pipe, woven coil pipe wrapped 1.5 times to encircle rootball with plastic cover cap. Watering filler cap to finish slightly above mulch level.
11. Spread Q37/430 90g/m<sup>2</sup> black non-woven geotextile landscape fabric over the back-filled topsoil (1200mmØ where tree is in lawn surfacing).
12. Spread Q37/430 75mm depth medium-grade bark mulch over around the tree, and maintain it until the spring following the first growing season (1200mmØ where tree is in lawn surfacing).
13. Protect the tree base and stem from damage by using a bamboo or hessian wrap tree guard to 2m height.
14. The stakes and rail are to be removed as soon as the tree is anchored securely by its own roots (generally at the start of the third growing season after planting).
4. Q31/510 wherever the installed rootball will be within 3.0 m of an existing underground service route and 2.0m of a building or paving foundation, install a tree pit root barrier, geotextile or cylinder type as appropriate. Top of root barrier to finish 75mm below finished soil level, installation with sides vertical.

All shrub planting to follow 1m grid in straight parallel staggered rows to specified centres as shown.

