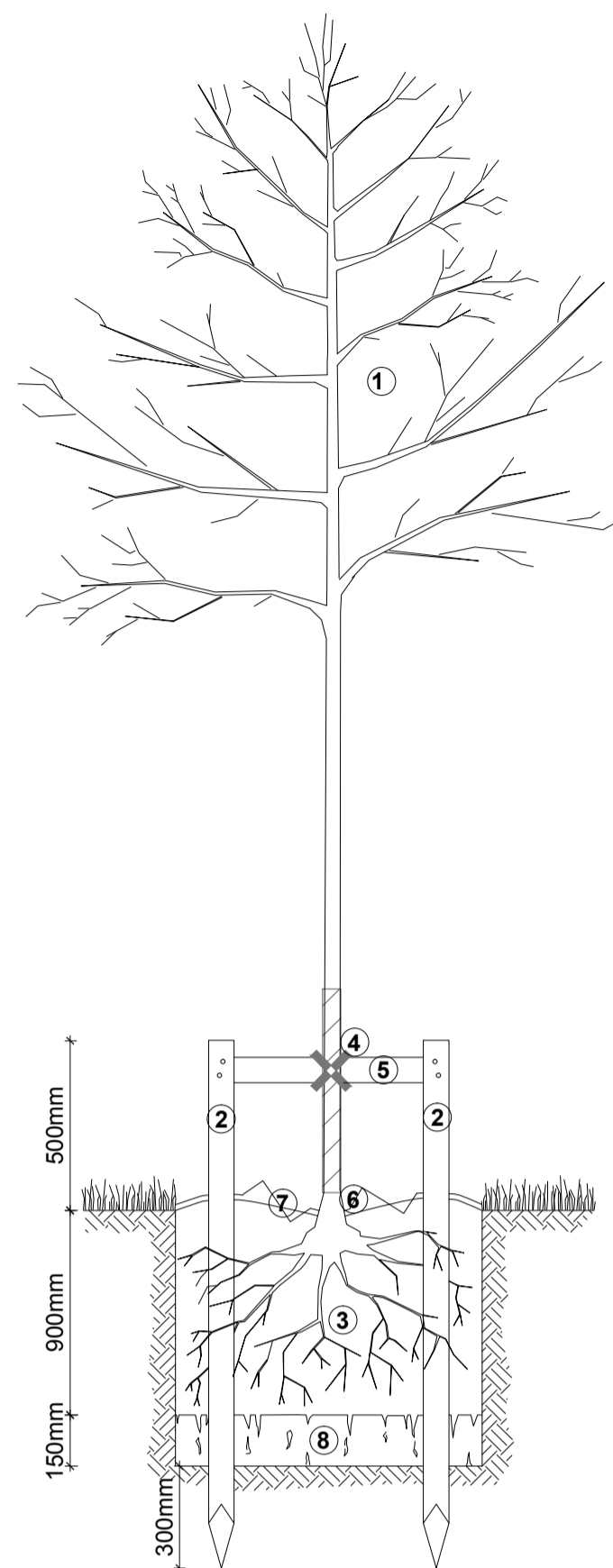


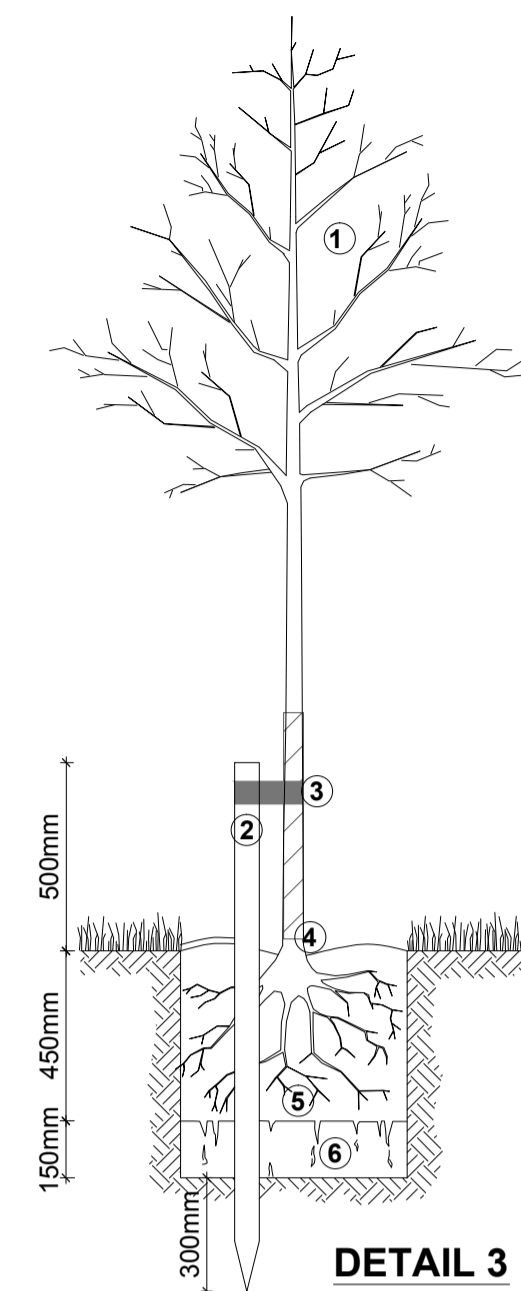
DETAIL 1 EXTRA HEAVY STANDARD TREE PLANTING DETAIL

- Extra heavy standard trees shall be a minimum of 3.5m high with a minimum girth of 14-16cm. The trees shall conform to BS 3936 Part 1 and shall have a well defined clear upright central stem of 1700-2000mm. The root shall be adequate size in relation to the crown (35 litre pot minimum if container grown).
- The tree shall be supported by two peeled and turned larch or chestnut stakes which have been previously treated with water based non CCA wood preservative to BS 1282. The stakes shall be a minimum diameter of 75mm and pointed at one end. They shall be driven 300mm below the bottom of the pit (or as necessary to secure the tree) and positioned as near to the tree as possible without interfering with the root system. The stakes shall project 500mm above ground level.
- Tree pit 900x900x600mm deep or 300mm greater than the width of the rootball, whichever is greater. Sides of pit loosened with fork prior to planting. Back fill with a mix of topsoil (to BS 3882) and 80 litres of peat free organic planting compost with a pH of 6.5-7.5. Incorporate 'Sierrablenn Flora' slow release fertiliser tablets (15+9+9NPK) at the rate of 10 x15g tablets per pit. Each tree shall have a 600mm clear spiral guard, size to suit girth of tree.
- The tree shall be securely tied 2no reinforced rubber buckle ties with spacers to firmly hold the stem to the timber cross member and to positioned to prevent abrasion with the tree.
- Horizontal cross member (preservative as above) shall be 75x25mm sawn timber nailed with 2no. 65mm galvanised nails per end 50mm below the top of both stakes.
- Soil level at nursery to be marked. Plant tree at depth to match this level. Allow for watering hollow.
- Top dress with 500mm radius 75mm settled depth ornamental bark mulch as specified (if planted within shrub beds).
- Break up bottom of pit to a depth of 150mm.



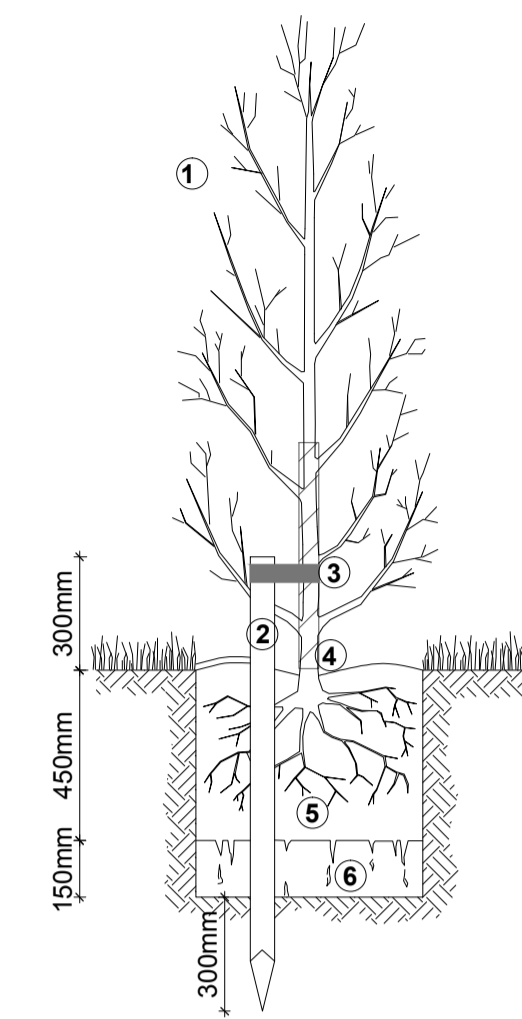
DETAIL 2 HEAVY STANDARD TREE PLANTING DETAIL

- Heavy standard trees shall be a minimum of 3.5m high with a minimum girth of 12-14cm. The trees shall conform to BS 3936 Part 1 and shall have a well defined clear upright central stem of 1700-2000mm. The root shall be adequate size in relation to the crown (35 litre pot minimum if container grown).
- The tree shall be supported by two peeled and turned larch or chestnut stakes which have been previously treated with water based non CCA wood preservative to BS 1282. The stakes shall be a minimum diameter of 75mm and pointed at one end. They shall be driven 300mm below the bottom of the pit (or as necessary to secure the tree) and positioned as near to the tree as possible without interfering with the root system. The stakes shall project 500mm above ground level.
- Tree pit 900x900x600mm deep. Sides of pit loosened with fork prior to planting. Back fill with a mix of topsoil (to BS 3882) and 80 litres of peat free organic planting compost with a pH of 6.5-7.5. Incorporate 'Sierrablenn Flora' slow release fertiliser tablets (15+9+9NPK) at the rate of 8 x15g tablets per pit. Each tree shall have a 600mm clear spiral guard, size to suit girth of tree.
- The tree shall be securely tied 2no reinforced rubber buckle ties with spacers to firmly hold the stem to the timber cross member and to positioned to prevent abrasion with the tree.
- Horizontal cross member (preservative as above) shall be 75x25mm sawn timber nailed with 2no. 65mm galvanised nails per end 50mm below the top of both stakes.
- Soil level at nursery to be marked. Plant tree at depth to match this level. Allow for watering hollow.
- Top dress with 500mm radius 75mm settled depth ornamental bark mulch as specified (if planted within shrub beds).
- Break up bottom of pit to a depth of 150mm.



DETAIL 3 STANDARD TREE PLANTING DETAIL

- Standard trees shall be 250-300cm high with a minimum girth of 8-10cm. The trees shall conform to BS 3936 Part 1 and shall have a well defined clear upright stem of 1750-2000mm. The root shall be adequate size in relation to crown (15 litre pot minimum if container grown).
- The stake shall be peeled larch or chestnut previously treated with water based non CCA wood preservative to BS 1282. The stake shall have a minimum diameter of 65mm and shall project 500mm above finished ground level. Before planting it shall be driven a minimum of 300mm into firm ground below the excavated tree pit or as necessary to secure the tree. The stake shall be positioned to avoid disturbance to the root system. If the tree is root balled or container grown stakes are to be angled at 45° and driven 300mm into the ground (away from the prevailing wind).
- Trees shall be securely tied by adjustable reinforced rubber bottle ties with spacers positioned to prevent any abrasion between stake and tree. Tree ties shall not be positioned more than 50mm below top of stake.
- Soil level at nursery to be marked. Plant tree at depth to match this level. Allow for watering hollow.
- Tree pit 600x600x450mm deep. Sides of pit loosened with fork prior to planting. Back fill with a mix of topsoil (to BS 3882) and 25 litres of peat free organic planting compost with a pH of 6.5-7.5. Incorporate 'Sierrablenn Flora' slow release fertiliser tablets (15+9+9NPK) at the rate of 5 x15g tablets per pit. Each tree shall have a 600mm clear spiral guard, size to suit girth of tree.
- Break up bottom of pit to a depth of 150mm.



DETAIL 4 FEATHERED TREE PLANTING DETAIL

- Feathered trees shall be 200-250cm high. The trees shall conform to BS 3936 - Part 1 and shall have a well defined, upright central stem with evenly spread lateral shoots. The root system shall be adequate size in relation to the crown (10 litres pot if container grown).
- The stake shall be peeled larch or chestnut previously treated with water based non CCA wood preservative to BS 1282. The stake shall have a minimum diameter of 65mm and shall project 300mm above finished ground level. Before planting it shall be driven a minimum of 300mm into firm ground below the excavated tree pit or as necessary to secure the tree. The stake shall be positioned to avoid disturbance to the root system. If the tree is root balled or container grown stakes are to be angled at 45° and driven 300mm into the ground (away from the prevailing wind).
- Trees shall be securely tied by adjustable reinforced rubber buckle ties with spacers positioned to prevent any abrasion between stake and tree. Tree ties shall not be positioned more than 20mm below top of stake.
- Soil level at nursery to be marked. Plant tree at depth to match this level. Allow for watering hollow.
- Tree pit 600x600x450mm deep. Sides of pit loosened with fork prior to planting. Back fill with a mix of topsoil (to BS 3882) and 20 litres of peat free organic planting compost with a pH of 6.5-7.5. Incorporate 'Sierrablenn Flora' slow release fertiliser tablets (15+9+9NPK) at the rate of 4 x15g tablets per pit. Each tree shall have a 600mm clear spiral guard, size to suit girth of tree.
- Break up bottom of pit to a depth of 150mm.

The age and height shall be to BS 3936 Part 1 and shall be one of the following as specified:

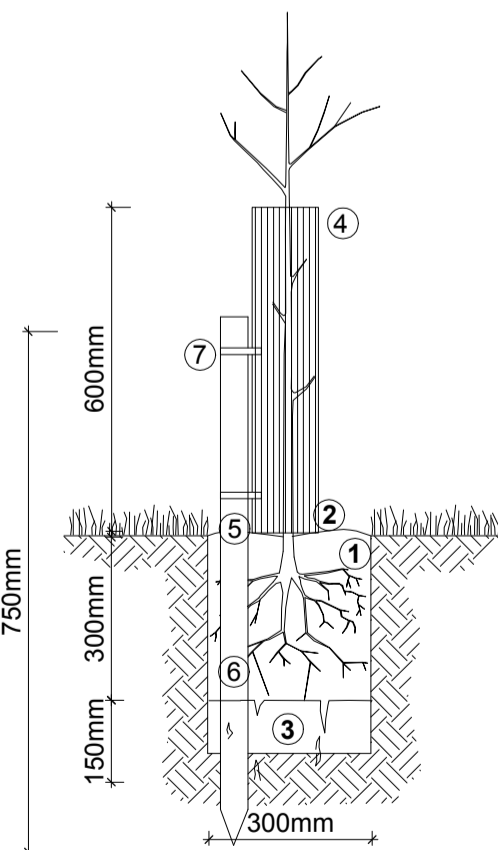
- 0 + 1 1 year cutting 10 -125cm high
- 1 + 0 1 year seedling 10 -125cm high
- 1 + 1 1 year seedling 10 -125cm high (transplanted for 1 year)
- 1 + 2 1 year seedling 10 -125cm high (transplanted for 2 years)

Whips shall be a minimum height of 100cm.

Plants over 120cm high shall be staked with a single 4" cane 22/24mm diameter, hammered a minimum of 400mm below ground.

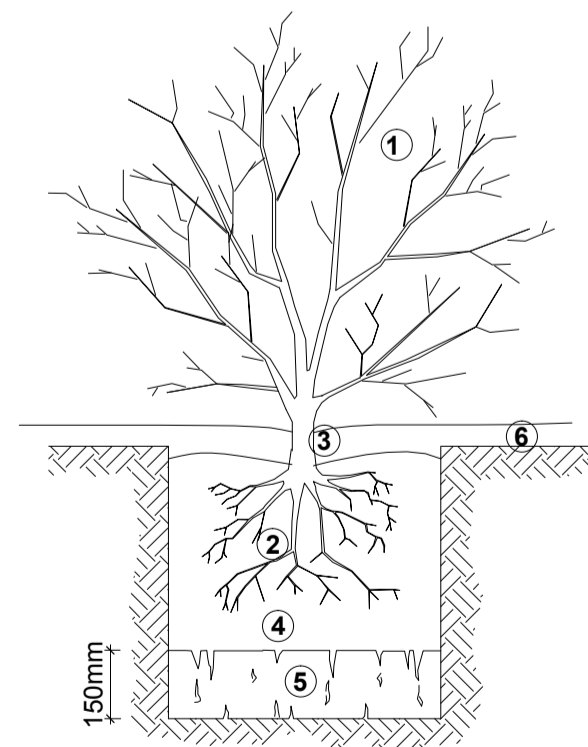
Plants over 160cm high shall be staked with a single softwood stake 750mm x 32 x 32mm treated with tanalith preservative to BS1282 and driven a minimum of 300mm into the ground.

Plants over 200cm high shall be staked with a single 65mm dia treated softwood stake as specified.



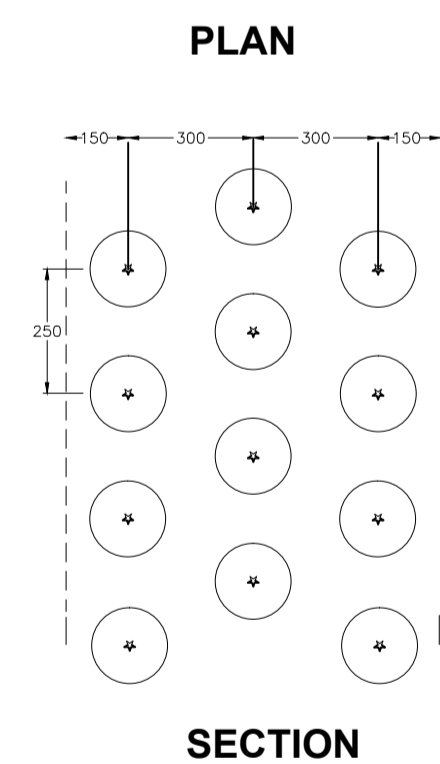
DETAIL 5 TRANSPLANT (WITH SHELTER/STAKING) DETAIL

- Tree pit 300x300x300mm deep. Sides of pit loosened with fork prior to planting. Backfill with a mix of topsoil (to BS 3882) and 10 litres of peat free organic planting compost with a pH of 6.5-7.5. Incorporate 'Sierrablenn Flora' slow release fertilizer tablets (15+9+9NPK) at the rate of 2 x15g tablets per pit.
- Soil level at nursery to be marked. Plant tree at a depth to match this level. Allow for watering hollow.
- Break up bottom of pit to a depth of 150mm.
- Tree shelter 600mm high (colour: Green) Nested in 5 diameters from 80mm to 120mm. Available from: Tubex Plant Care Products, or similar approved.
- Base of guard firmly pressed into soil Earth up if necessary. Surface vegetation removed within at least 50cm of planting position.
- Tree stake 750 x 32 x 32mm. Water based non CCA treated softwood driven a minimum of 300mm below ground level.
- 2 no Pre-fitted releasable nylon ties, fitted about 350mm apart



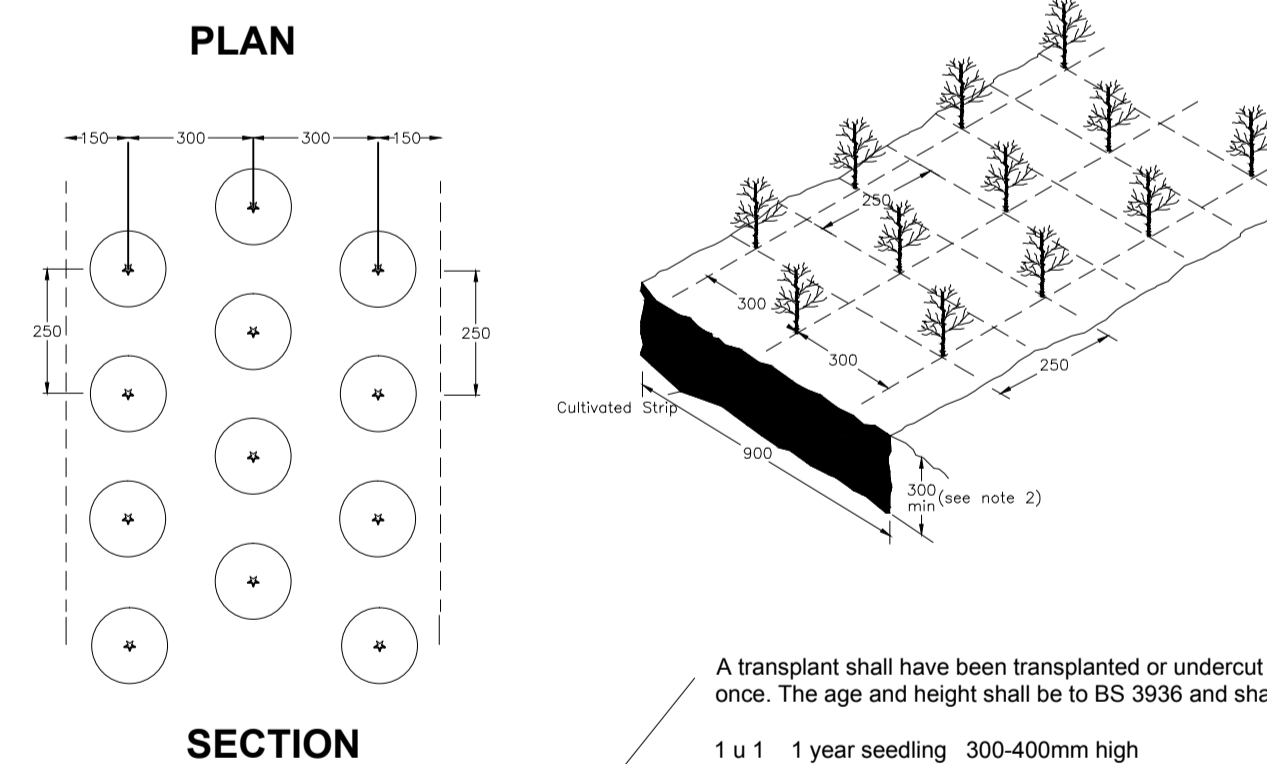
DETAIL 6 ORNAMENTAL SHRUB PLANTING DETAIL

- Shrubs shall comply with the requirements of BS 3936 Part 1 and with the size requirement stated on the drawings. All shrubs shall be a minimum of 2 years old with a minimum of 4-5 shoots and a minimum root collar diameter of 7mm producing a sturdy, well balanced bushy plant. Open ground shrubs shall have been regularly transplanted to produce a strong fibrous root system and shall be supplied bagged. Container grown shrubs shall have been grown in the container during the growing season and shall not be pot bound. Shrubs shall be well established in their containers. All evergreen material to be container grown or root-balled.
- Each shrub according to the species shall have a well developed and evenly fibrous root system.
- Soil level at nursery to be marked. Plant shrub at a depth to match this level.
- Plant into previously prepared shrub beds. Pits to be a minimum of 100mm greater than the maximum spread of the root system. Back fill with previously excavated topsoil and compost as specified.
- Break up bottom of pit to a depth of 150mm.
- Bark mulch as specified to entire planting bed. Minimum 75mm settled depth.



DETAIL 7 HORNBAM HEDGEROW PLANTING DETAIL

PLANTING METHOD & SPACING



A transplant shall have been transplanted or undercut at least once. The age and height shall be to BS 3936 and shall be:

- 1 u 1 1 year seedling 300-400mm high (transplanted for 1 year)

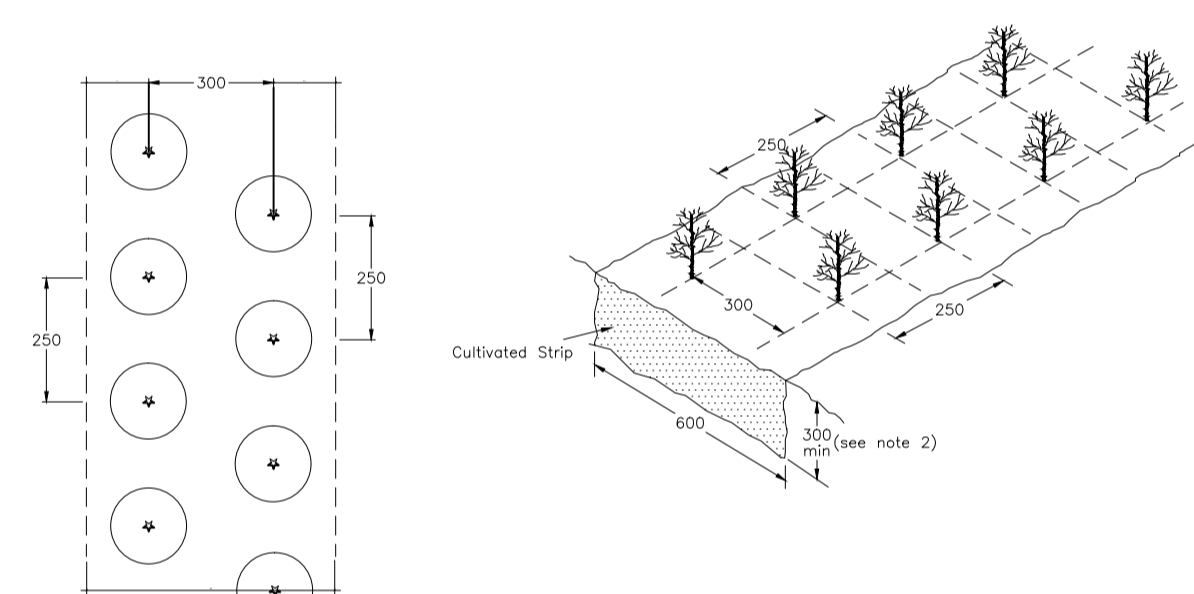
Plants shall guarded using 60cm spiral guards, staked with a single 4" cane 22/24mm diameter, hammered a minimum of 400mm below ground.

Soil level at nursery to be marked. Plant transplant at a depth to match this level. Allow for watering hollow.

Planting trench 900widthx300mm deep. Sides of pit loosened with fork prior to planting. Backfill with a mix of 2 parts excavated material and 1 part free organic planting compost containing trace elements and water retention polymer granules incorporated at the specified rate. The compost shall have a pH of 6.5-7.5 and shall include an N.P.K. slow release fertiliser (16:10:10) at the rate of 60 grams per plant. (NB. For planting into previously prepared shrub beds the excavated pit shall be of sufficient size to allow roots to be fully spread. Backfill with cultivated material as specified and lightly consolidated).

Break up bottom of pit to a depth of 150mm.

PLANTING METHOD & SPACING



A transplant shall have been transplanted or undercut at least once. The age and height shall be to BS 3936 and shall be:

- 1 u 1 1 year seedling 300-400mm high (transplanted for 1 year)

Plants shall guarded using 60cm spiral guards, staked with a single 4" cane 22/24mm diameter, hammered a minimum of 400mm below ground.

Soil level at nursery to be marked. Plant transplant at a depth to match this level. Allow for watering hollow.

Planting trench 600widthx300mm deep. Sides of pit loosened with fork prior to planting. Backfill with a mix of 2 parts excavated material and 1 part free organic planting compost containing trace elements and water retention polymer granules incorporated at the specified rate. The compost shall have a pH of 6.5-7.5 and shall include an N.P.K. slow release fertiliser (16:10:10) at the rate of 60 grams per plant. (NB. For planting into previously prepared shrub beds the excavated pit shall be of sufficient size to allow roots to be fully spread. Backfill with cultivated material as specified and lightly consolidated).

Break up bottom of pit to a depth of 150mm.

DETAIL 8 NATIVE HEDGEROW PLANTING DETAIL

GENERAL NOTES

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- This drawing is for planning application purposes only and not issued for construction.
- To be read in conjunction with Golder Associates Dwg No. GA/058388/WHIT/P/001.

DO NOT SCALE FROM THIS DRAWING

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| Client | | mouchelparkman Partnership with - North Yorkshire County Council | |
| Project | | WHITBY PARK & RIDE | |
| Title | | PLANTING DETAILS | |
| Project No. | 0588359 | Checked | NR |
| File No. | | Approved | NR |
| Created By | PAT | Date | MARCH 2007 |
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