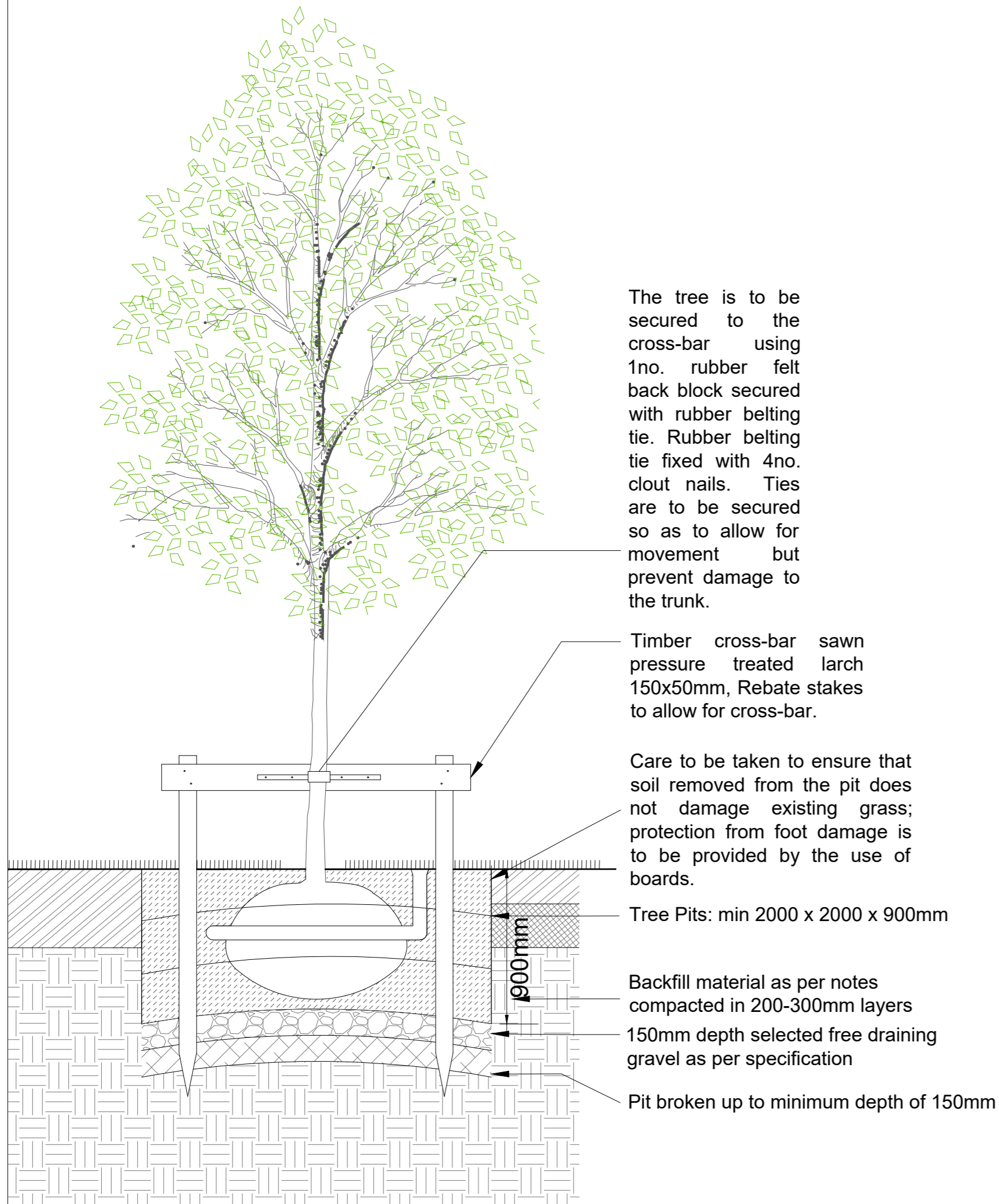


Typical Tree Planting Detail (within open green space)
Scale 1: 25

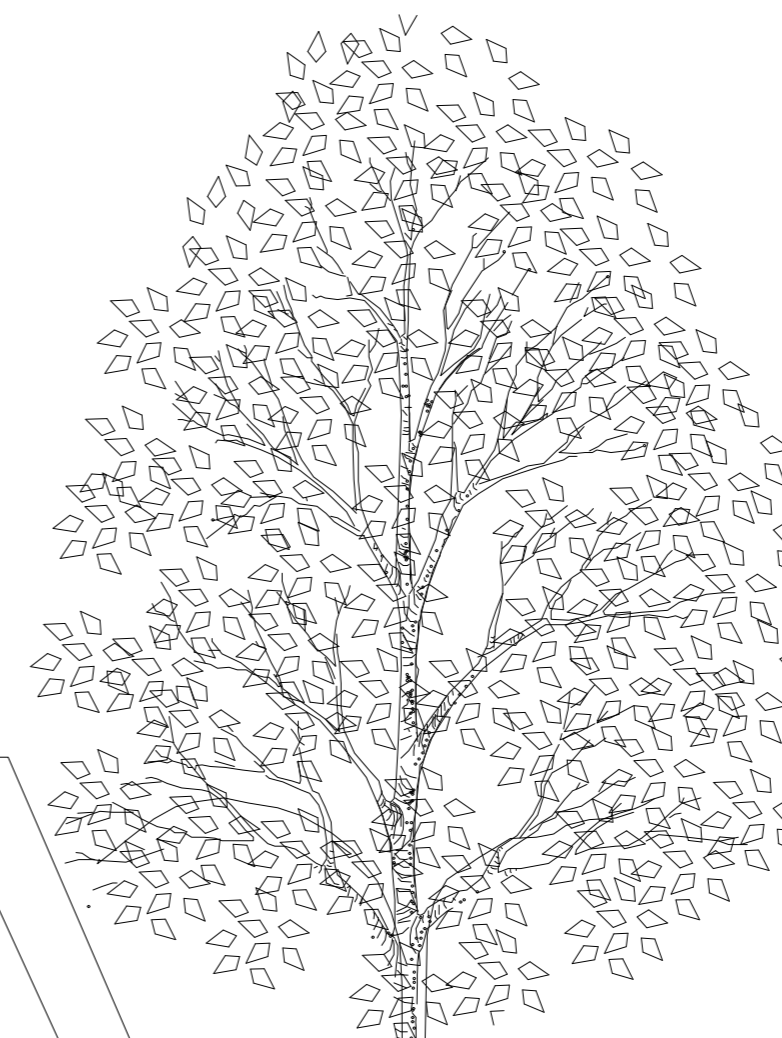


Tree Rootball securely fixed in tree pit

1200x1200mm Cast iron tree grille
Concrete kerbing flush with surrounding surfaces

Angular Stone Topsoil mix

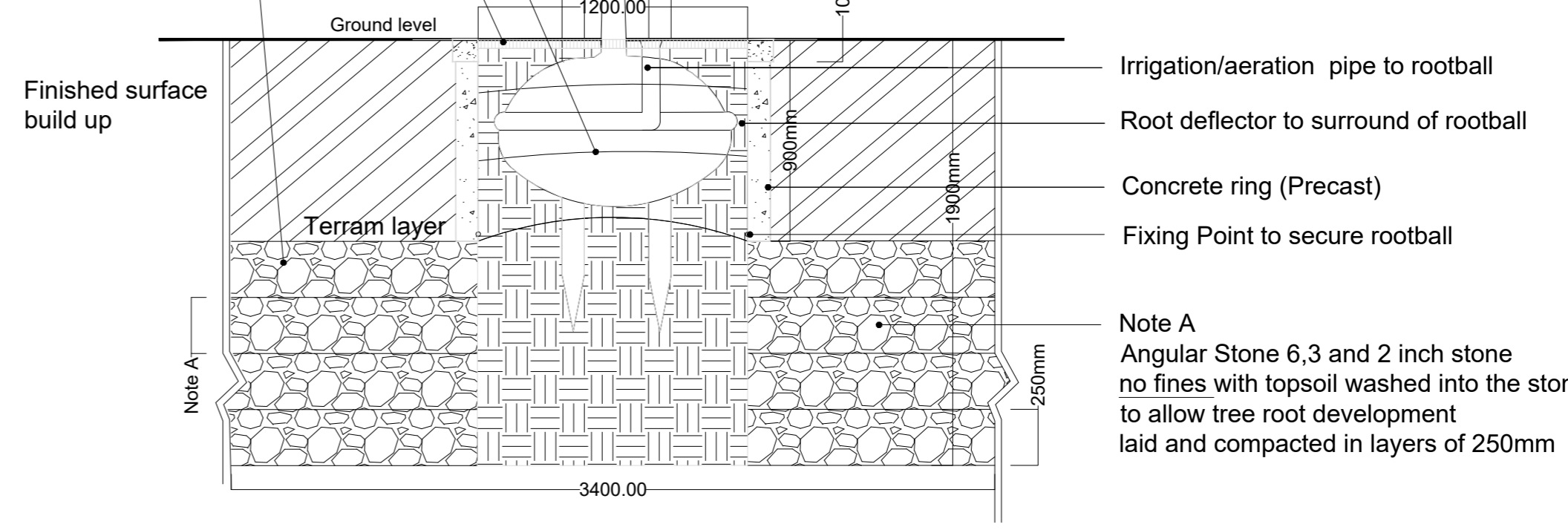
- Good Quality topsoil washed into angular stone layers;
- Max layer depth 250mm, each layer must be packed and compacted;
- No Fines.



Tree planting as per schedule

The tree is to be secured to the cross-bar using 1no. rubber felt back block secured with rubber belting tie. Rubber belting tie fixed with 4no. clout nails. Ties are to be secured so as to allow for movement but prevent damage to the trunk.

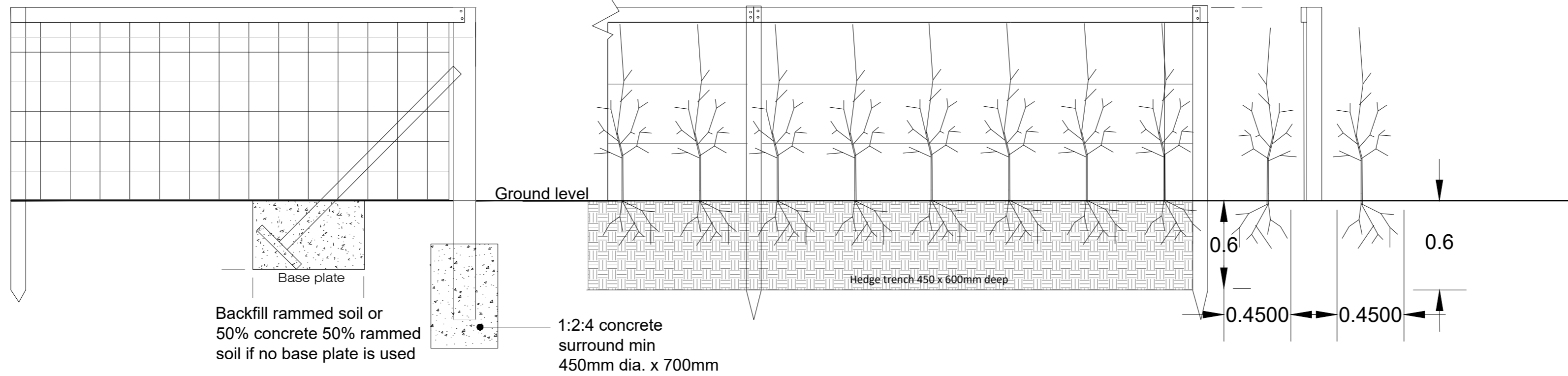
Timber cross-bar sawn pressure treated larch 150x50mm, Rebate stakes to allow for cross-bar.



Tree Pit Detail to Paved and Road side areas
Scale @ 1:25

Typical Hedge Planting Detail
Scale 1: 25

Straining post 150 mm diam. X 2100 mm set 800mm in ground and strut(s) in direction of strain 1800 mm X 75 mm diam. post notched.



1200 mm high sheep netting wire post stapled and fixed to line wires
Sheep netting:
Light grade wire, 1200mm high, 10 no. horizontal wires, 150mm verticals

PLANTING NOTES:

1. At the time of planting, the soil shall be moist and friable and not frozen, excessively dry, or water-logged.
2. The excavated hole shall be of sufficient size to accommodate the spread roots and the stock shall be planted so that after any settlement it is the same depth as it was grown in the nursery. The sides and base of the planting pit shall broken up before planting.
3. The planting hole shall be backfilled around the plant, the soil shall be firmed to ensure that there is good contact between the plant roots and soil substrate.
4. Water plants once planted.

Hedgerow species planted at 500mm centres in a double staggered row

GENERAL NOTES:

- All trees to have a 2000mm minimum clear stem;
- All trees of the same species to be the same age and from the same batch and grower;
- Trees to be well balanced in root and crown and to be good examples of the species;
- Evidence to be provided of transplanting in last 4 years;
- Refer to construction info and notes below for planting details;
- Trees to be planted same level as grown in the nursery. All handling and planting operations in accordance with best practice.

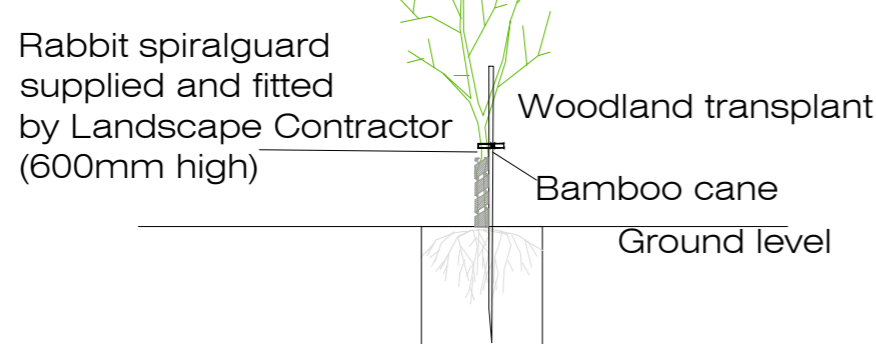
TREE PLANTING & STAKING SYSTEM

1. The tree pit should be excavated to allow adequate clearance between the perimeter of the root-ball and the side of the pit. Minimum dimension preferably 2000 x 2000x1000mm.
 2. The depth of the pit should be a minimum of 750mm and at least 75mm greater than the depth of the root-ball.
 3. Base of pit broken up to 150mm by forking the bottom and sides of the pit to break up the subsoil, with 150mm free draining gravel spread over. Mix the dug soil with a slow release fertiliser and an approved soil ameliorant.
 4. Drive in the stakes vertically on either side of the tree position before planting so that they are a minimum of 300mm below the bottom of the pit and 650mm above ground level.
 5. The stakes are to be machine rounded sweet chestnut or peeled larch poles, pointed at one end, preserved to resist rot for their intended lifespan, and strong enough to take nails without splitting.
 6. Plant the tree, ensuring that the original nursery depth is maintained. Install irrigation pipe as detailed below. Pits to be backfilled in layers of maximum 200-300mm thickness, levelled and compacted with pressure of 200 to 220 psi (250psi absolute maximum). When compacting special attention should be given to the edges of the pit and ensuring consolidation around the stakes during backfilling.
- The Tree pit backfill material must:
- Always be protected from rainfall
 - Never be exposed to frost
 - Never be contaminated with other material, including hardcore.
 - Never be mixed with other soils
 - Never be laid over standing water or sodden ground.
 - Be suitably compacted to avoid future settlement
 - Never be overcompacted to ensure proper tree development.
7. Secure the cross bar to the stakes with 2No. galvanised nails per stake. Secure the tree to the rail as described in the notes below
 8. Secure tree to crossbar using rubber flat back block and rubber belting tie.
 9. Protect the tree base from rabbit damage etc. by using a spiral rabbit guard
 10. The stakes and rail are to be removed as soon as the tree is anchored securely by its own roots (at the start of the second growing season after planting).

TREE IRRIGATION/AERATION SYSTEM:

Irrigation/aeration system to be 50mmØ pvc perforated pipe laid within growing medium. Outer ring around bottom third of root ball. Aeration pipe connected to surface with vertical pipe of same specification and tee sections as required. Vertical pipe to be 'Root rain-Urban' aeration and feed pipe supplied by Greenleaf or similar approved. Cap to aeration pipe to be 'Root rain - Precinct' in cast aluminium supplied by Greenleaf or similar approved.

Woodland Planting Transplant
Scale 1: 25



1. Dig planting pit.
2. Position the tree in the pit and hold with its roots well spread out and the root collar at the ground surface level.
3. Place topsoil in the pit making sure that it fills between the roots firming the soil gently as backfilling.
4. Tread in around the tree to ensure topsoil is firm.
5. Water all transplants once planted.

Shrub Planting
Scale 1: 25



Cultivate all shrub and herbaceous planting areas 225mm deep incorporating a 25mm layer of approved moist organic manure (well rotted) and 40g per sq.m. of NPK 10:10:20 fertiliser.

Rev	Date	Note

Project name: Ballinderry Road, Mullingar	Project number: 18-069
Drawing name: Landscape Details 1 of 3	Drawing number: LD-01-PP

Drawing scale @ A1: 1:25	Drawn by: kgf	Checked by: ld
Status: Planning	date: 11.03.2022	

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doyle + o'troighin
landscape - architecture