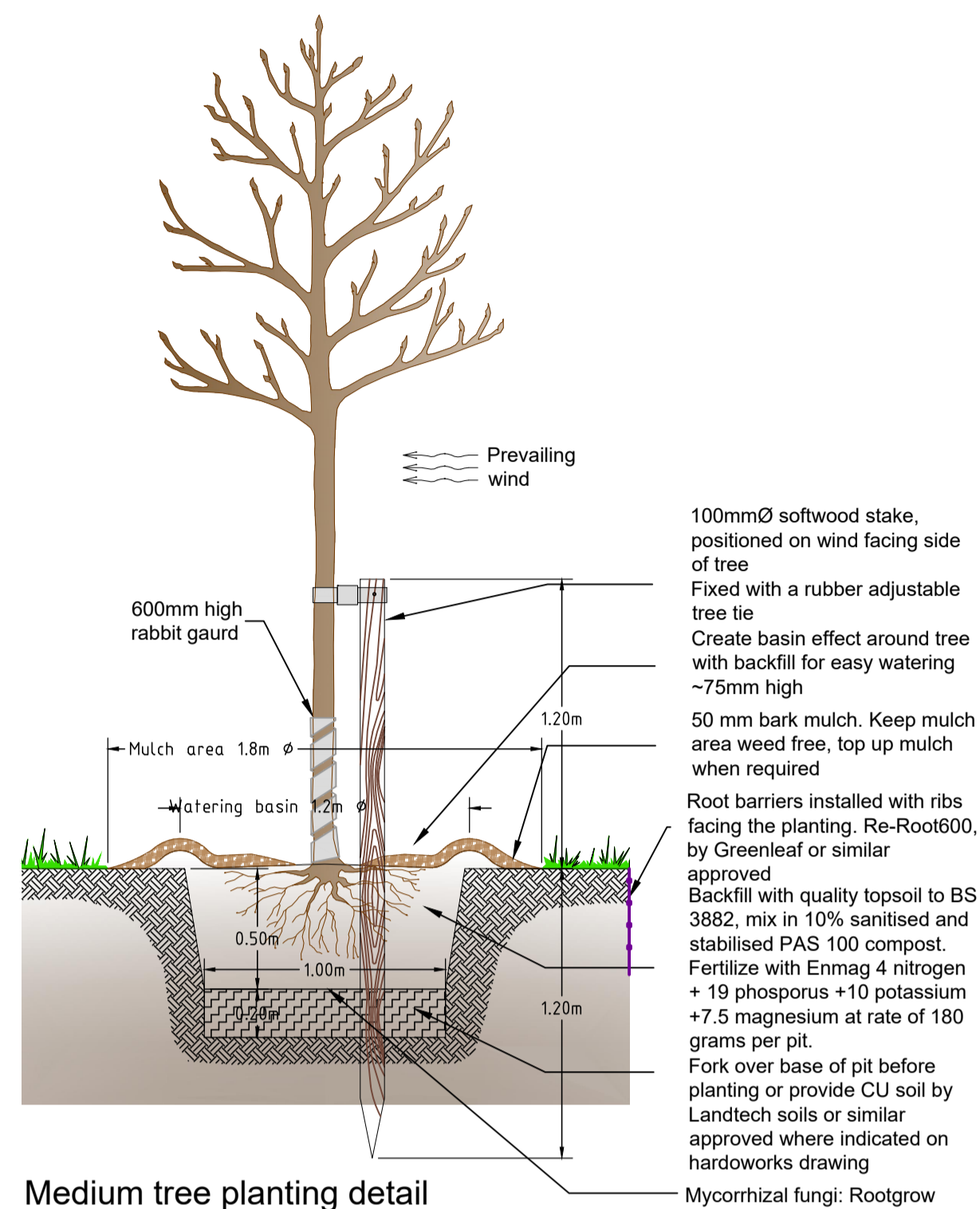
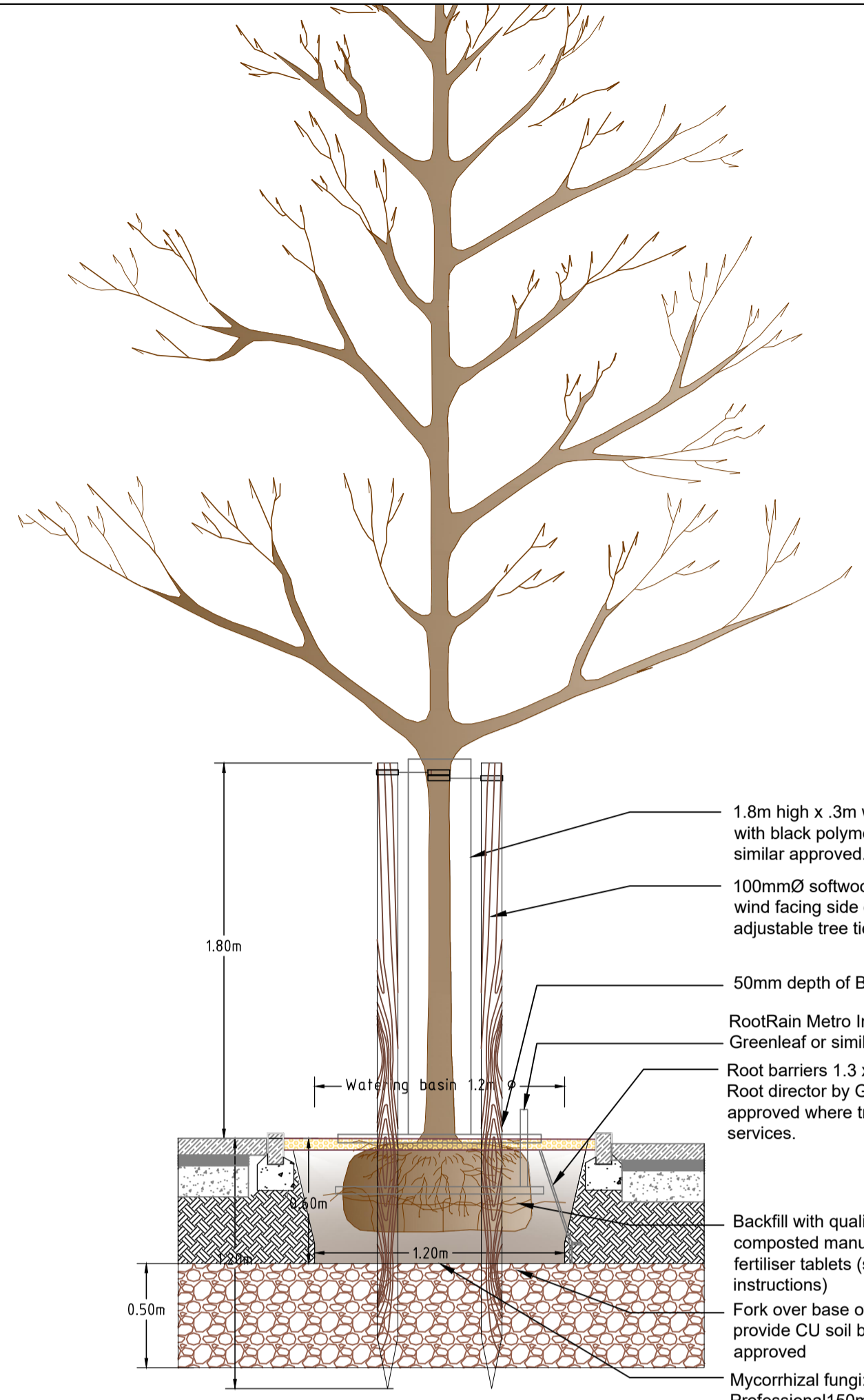


Rev. no.	Rev. description	Date	Sign	Chk'd



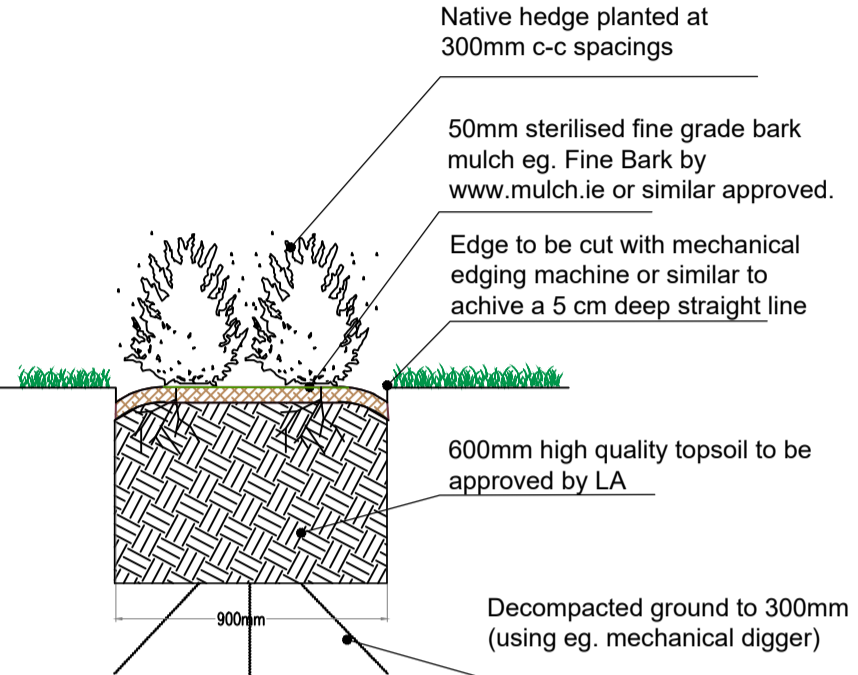
Medium tree planting detail
Scale 1:25 (A1)

100mmØ softwood stake, positioned on wind facing side of tree. Fixed with a rubber adjustable tree tie. Create basin effect around tree with backfill for easy watering ~75mm high. 50 mm bark mulch. Keep mulch area weed free, top up mulch when required. Root barriers installed with ribs facing the planting. Re-Root600, by Greenleaf or similar approved. Backfill with quality topsoil to BS 3882, mix in 10% sanitised and stabilised PAS 100 compost. Fertilize with Enmag 4 nitrogen + 19 phosphorus + 10 potassium + 7.5 magnesium at rate of 180 grams per pit. Fork over base of pit before planting or provide CU soil by Landtech soils or similar approved where indicated on hardworks drawing. Mycorrhizal fungi: Rootgrow Professional150ml applied by sprinkling granules in the base of the planting hole.



Medium tree planting detail in gravel
Scale 1:25 (A1)

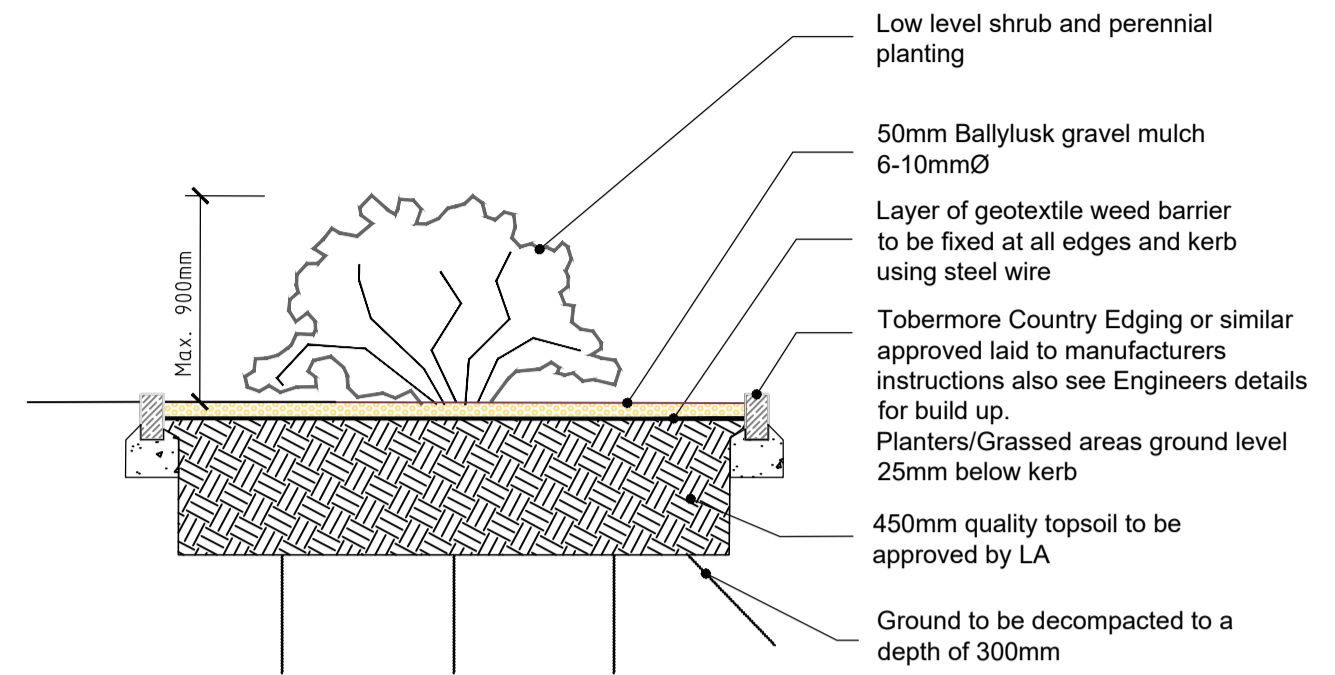
1.8m high x 3m width Arbortech Tree Shield with black polymer coating by Greenleaf or similar approved. 100mmØ softwood stake, positioned on wind facing side of tree. Fixed with a rubber adjustable tree tie. 50mm depth of Ballylusk gravel mulch. RootRain Metro irrigation system by Greenleaf or similar approved. Root barriers 1.3 x 1.3 x 0.58m RD1050, Root director by Greenleaf or similar approved where tree within 3m from water services. Backfill with quality topsoil, mix in well composted manure (20%) or slow release fertiliser tablets (see manufacturers instructions). Fork over base of pit before planting or provide CU soil by Landtech soils or similar approved. Mycorrhizal fungi: Rootgrow Professional150ml applied by sprinkling granules in the base of the planting hole.



Double row native hedge planting
Scale 1:25 (A1)

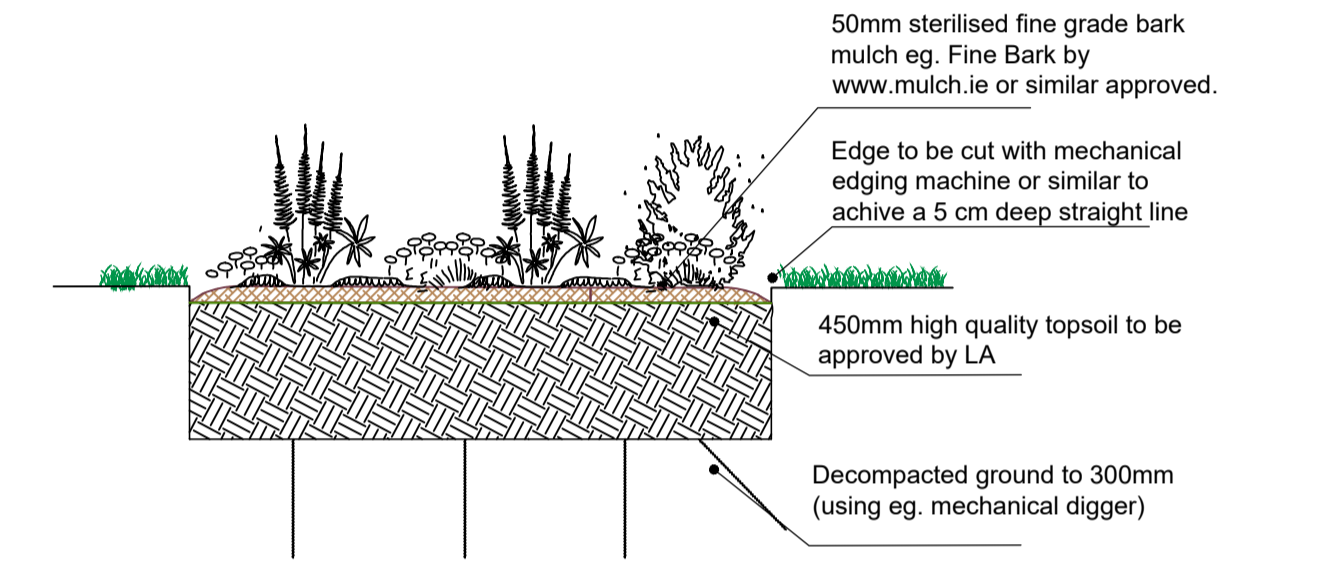
Native hedge planted at 300mm c-c spacings. 50mm sterilised fine grade bark mulch eg. Fine Bark by www.mulch.ie or similar approved. Edge to be cut with mechanical edging machine or similar to achieve a 5 cm deep straight line. 600mm high quality topsoil to be approved by LA. Decompacted ground to 300mm (using eg. mechanical digger). Lawn seed mix: 20% Perennial Ryegrass CSI CORSICA, 20% Perennial Ryegrass CSI NEW ORLEANS, 30% Chewings Fescue MUSICA, 30% Slender CR Fescue BARPEARL. Import weed free topsoil, 150mm depth. Grade the soil to specified levels removing all debris. Leave the graded lawn fallow for approx. 1 month to regrow any dormant weeds, spray off with glyphosphate herbicide. Rake in dry conditions to a fine tilth. Sow 35g of seed / m², rake in and roll lightly. 150mm high quality topsoil to be approved by LA. Decompacted base soil, made up of soil on site.

Grass
Scale 1:25 (A1)



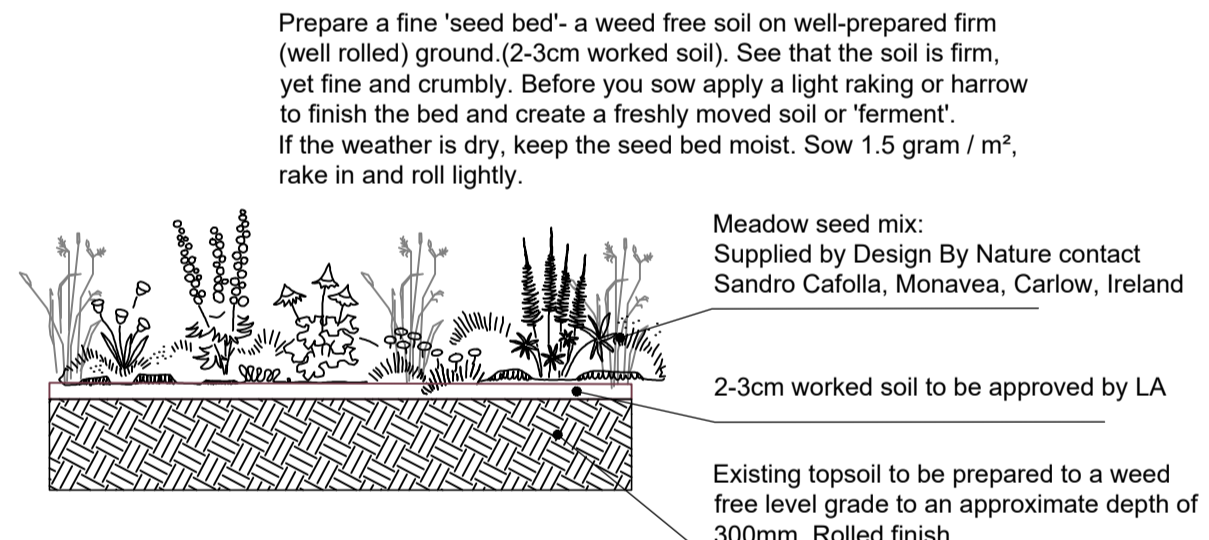
Typical shrub planting in gravel
Scale 1:25 (A1)

Low level shrub and perennial planting. 50mm Ballylusk gravel mulch 6-10mmØ. Layer of geotextile weed barrier to be fixed at all edges and kerb using steel wire. Tobermore Country Edging or similar approved laid to manufacturers instructions also see Engineers details for build up. Planters/Grassed areas ground level 25mm below kerb. 450mm quality topsoil to be approved by LA. Ground to be decompacted to a depth of 300mm.



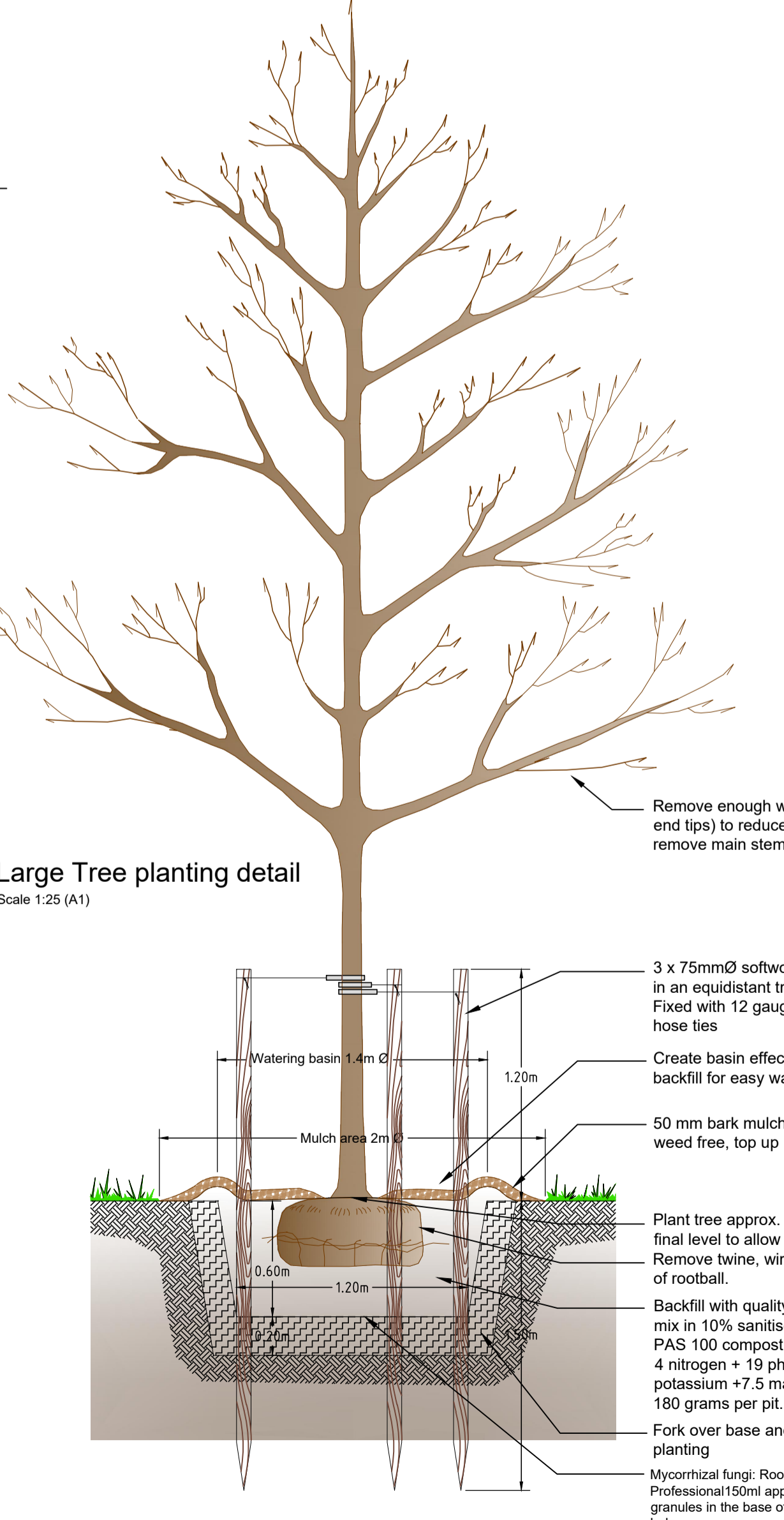
Typical planting in bark mulch
Scale 1:25 (A1)

50mm sterilised fine grade bark mulch eg. Fine Bark by www.mulch.ie or similar approved. Edge to be cut with mechanical edging machine or similar to achieve a 5 cm deep straight line. 450mm high quality topsoil to be approved by LA. Decompacted ground to 300mm (using eg. mechanical digger).



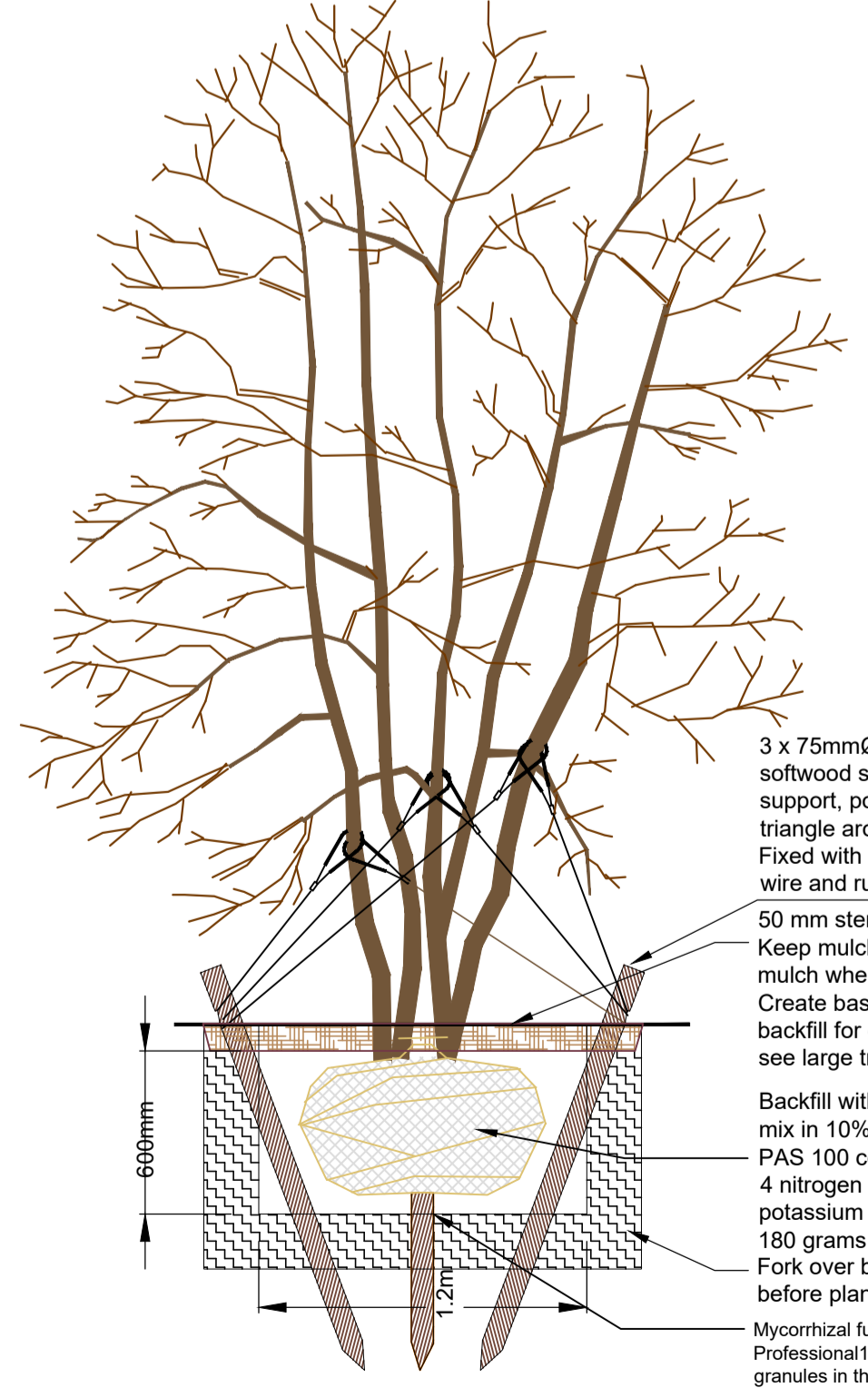
Wildflower Meadow
Scale 1:25 (A1)

Prepare a fine 'seed bed'- a weed free soil on well-prepared firm (well rolled) ground.(2-3cm worked soil). See that the soil is firm, yet fine and crumbly. Before you sow apply a light raking or harrow to finish the bed and create a freshly moved soil or 'ferment'. If the weather is dry, keep the seed bed moist. Sow 1.5 gram / m², rake in and roll lightly. Meadow seed mix: Supplied by Design By Nature contact Sandro Cafolla, Monavea, Carlow, Ireland. 2-3cm worked soil to be approved by LA. Existing topsoil to be prepared to a weed free level grade to an approximate depth of 300mm. Rolled finish.



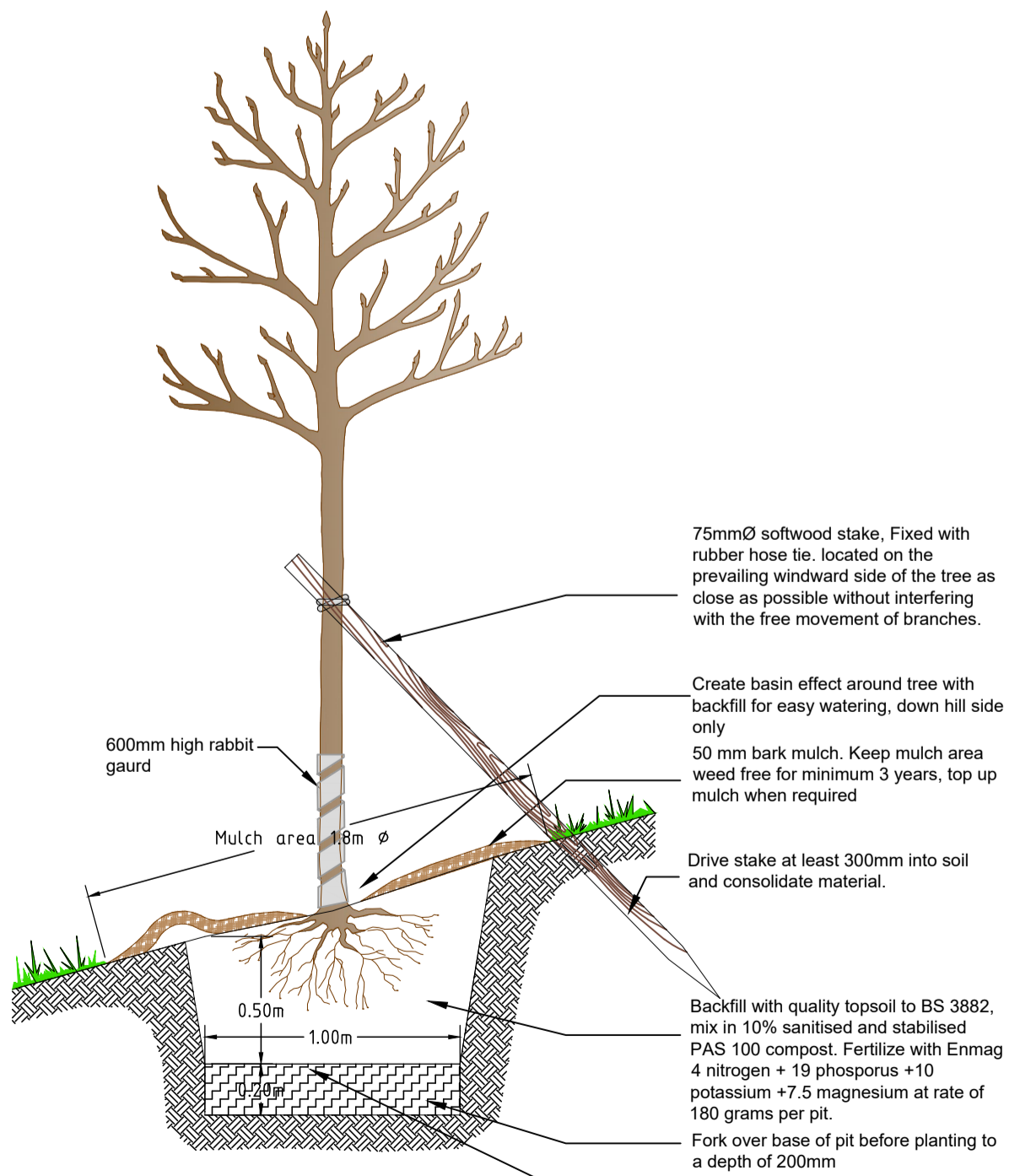
Large Tree planting detail
Scale 1:25 (A1)

Remove enough whole branches (not all end tips) to reduce foliage by 1/3. Do not remove main stem leader. 3 x 75mmØ softwood stakes, positioned in an equidistant triangle around tree. Fixed with 12 gauge wire and rubber hose ties. Create basin effect around tree with backfill for easy watering ~75mm high. 50 mm bark mulch. Keep mulch area weed free, top up mulch when required. Plant tree approx. 50mm higher than final level to allow for settlement. Remove twine, wire and burlap from top of rootball. Backfill with quality topsoil to BS 3882, mix in 10% sanitised and stabilised PAS 100 compost. Fertilize with Enmag 4 nitrogen + 19 phosphorus + 10 potassium + 7.5 magnesium at rate of 180 grams per pit. Fork over base and sides of pit before planting. Mycorrhizal fungi: Rootgrow Professional150ml applied by sprinkling granules in the base of the planting hole.



Multi-stemmed tree planting detail
Scale 1:25 (A1)

3 x 75mmØ x 1000mm pressure treated softwood stakes, notched for wire support, positioned in an equidistant triangle around tree, driven at angle. Fixed with 6mm galv. multi-strand guy wire and rubber hose ties. 50 mm sterilised fine grade bark mulch. Keep mulch area weed free, top up mulch when required. Create basin effect around tree with backfill for easy watering ~75mm high see large tree detail. Backfill with quality topsoil to BS 3882, mix in 10% sanitised and stabilised PAS 100 compost. Fertilize with Enmag 4 nitrogen + 19 phosphorus + 10 potassium + 7.5 magnesium at rate of 180 grams per pit. Fork over base and sides of pit before planting. Mycorrhizal fungi: Rootgrow Professional150ml applied by sprinkling granules in the base of the planting hole.



Tree Planting on slope detail
Scale 1:25@A1

75mmØ softwood stake, Fixed with rubber hose tie, located on the prevailing windward side of the tree as close as possible without interfering with the free movement of branches. Create basin effect around tree with backfill for easy watering, down hill side only. 50 mm bark mulch. Keep mulch area weed free for minimum 3 years, top up mulch when required. Drive stake at least 300mm into soil and consolidate material. Backfill with quality topsoil to BS 3882, mix in 10% sanitised and stabilised PAS 100 compost. Fertilize with Enmag 4 nitrogen + 19 phosphorus + 10 potassium + 7.5 magnesium at rate of 180 grams per pit. Fork over base of pit before planting to a depth of 200mm. Mycorrhizal fungi: Rootgrow Professional150ml applied by sprinkling granules in the base of the planting hole.

This drawing is to be read in conjunction with drawings no P423-101 to P423-108 inclusive. For plant list see drawing no. P423-101. For extent of boundary treatments and other retaining walls also road and parking surfaces including linemarking and signage see engineers drawings. This drawing is to be read in conjunction with Arboricultural Impact Assessment Report 24-09-2020 with accompanying Tree Protection Plan for protection measures during construction by Arborcare and all architects and engineers drawings.

Note: No scaled measurements to be taken from this drawing, written dimensions only. Scales are indicative only and can vary with different printing and photocopying methods. This is not a construction document. Further specification, measurements and levels can be provided at Tender or Construction phases as required by the client.

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Client: Galway County Council
Project: Housing Development at Merlin Park Galway
Drg Title: Details
Stage: Planning Stage (Part VIII)

Drg. No.: P423-108
Scale: 1:25 @ A1
Date: 2021, June 4th

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