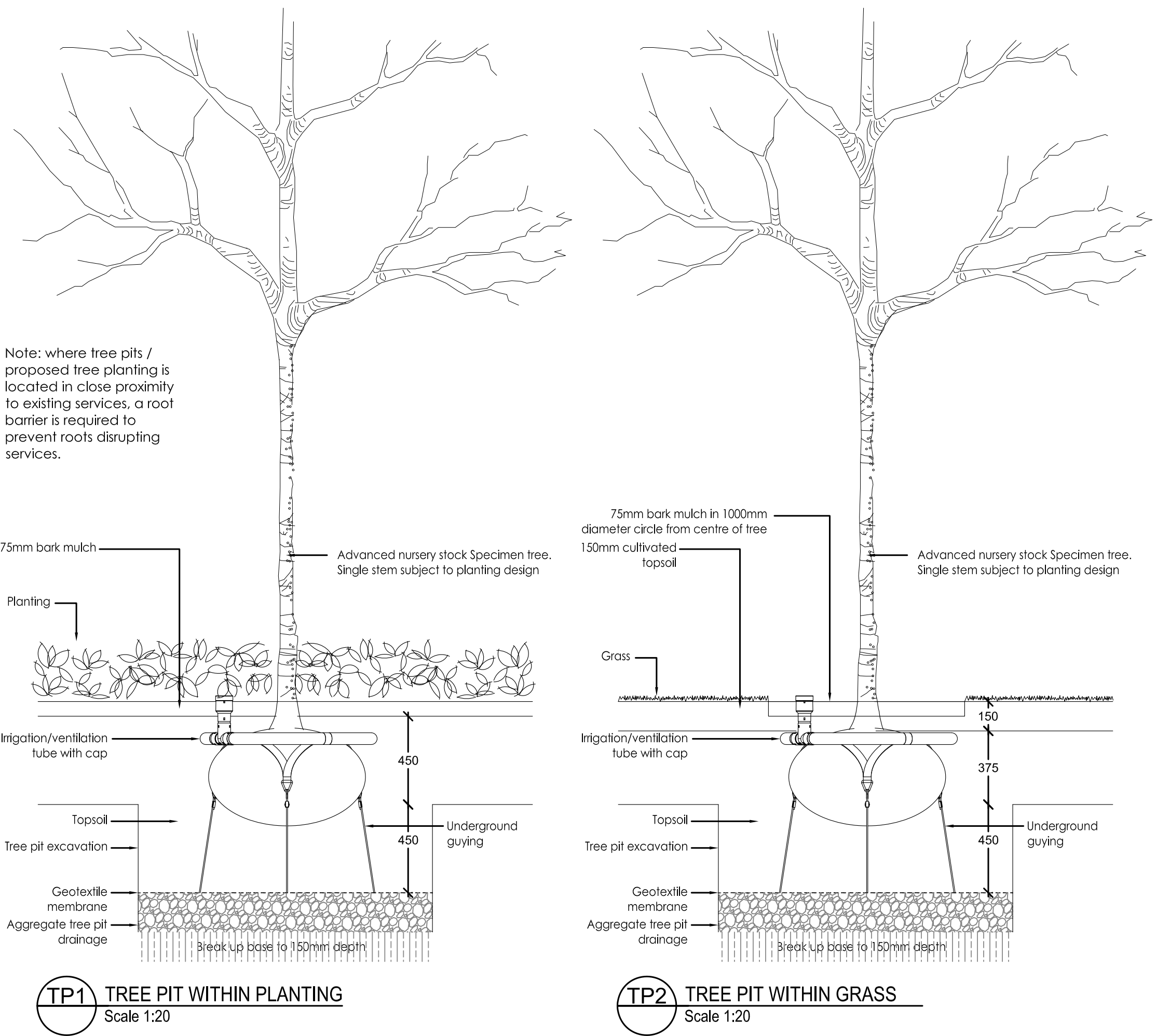




Note: Final tree positions / tree pit excavations to be coordinated on site

Potential native / ornamental tree species / specification		Spec size A (Extra Heavy Standard)			Spec size B (Semi-mature)		
Tree Species	Form	Height (m)	Girth (cm)	Root / condition	Height (m)	Girth (cm)	Root / condition
Betula pendula (Silver Birch) - native	Standard - 2m clear stem	4.0-5.0	18-20	RB	4.5-5.5	20-25	RB
Pyrus calleryana 'Chanticleer' (Ornamental Pear)	Standard - 2m clear stem	4.0-5.0	18-20	RB	4.5-5.5	20-25	RB
Tilia cordata 'Greenspire' (Small-leaved Lime)	Standard - 2m clear stem	4.0-5.0	18-20	RB	4.5-5.5	20-25	RB



Betula pendula (Silver Birch) - Summer



Betula pendula (Silver Birch) - Autumn



Pyrus calleryana (Ornamental Pear) - Summer



Pyrus calleryana (Ornamental Pear) - Autumn



Tilia cordata 'Greenspire' (Small-leaved lime) - Summer



Tilia cordata 'Greenspire' (Small-leaved lime) - Autumn

NBS Tree Planting Specification

To be read in conjunction with NBS sections Q31 & Q35.

500 Tree planting

- Standard: Prepare trees and transplant in accordance with BS 4428

505 Tree pits and multi stemmed trees generally

- Sizes: 500 mm wider than, and the same depth as the rootball
- Sloping ground: Maintain horizontal bases and vertical sides with no less than minimum depth throughout.
- Excavated material: Separate topsoil and subsoil material and stockpile for backfilling
- Pit bottoms: Excavate with slightly raised centre
- Treatment: Soil ameliorant worked into pit bottoms
- Pit sides: Scarify.
- Backfilling material: Proprietary tree backfilling material, as section Q28

512 Tree pit irrigation and ventilation accessories

- Locations: To all tree pits
- Manufacturer: Submit proposals
- Product reference: Submit proposals
- Type: Perforated plastics irrigation pipe with inlet
- Pipe diameter: 50 mm
- Ring diameter: 1. as required to form in a circle above and around the sides of the rootball
- Inlet: Black plastics, with cap
- Installation
- Pipe: Lay in loop above root ball with slight fall away from inlet pipe. Trim length to ensure a close fit in the tree pit. Connect both ends of pipe securely into plastics tee junction on inlet.
- Top cap of inlet: Protruding slightly above finished surround level.
- Backfill material: Carefully compact in layers.

515 Tree pit drainage

- Locations: To all tree pits
- Depth of excavation: Increase from specified size to allow for aggregate layer, with base slightly falling to outlet.
- Aggregate layer: Clean gravel or broken stone, with no fines, graded 40 to 20 mm.
- Depth: 200 mm
- Drainage pipes
- Type: Perforated plastics
- Diameter: 80 mm
- Position: Lay around perimeter of pit within aggregate layer.
- Discharge: Connect to land drain or nearest tree pit drainage system to engineers details
- Geotextile filter
- Manufacturer: Contractors choice
- Product reference: Contractors choice
- Position: Lay over aggregate before installing tree or backfill.
- Completed pits: Test for free drainage before planting.

526 Underground guying for:

- Description: ALL TREES
- Manufacturer: Platipus Tree Anchors t: 01737 762300 or other equal and approved
- Product reference: Appropriate to tree size and form. Submit proposals
- Anchoring system: 3 no drive-in anchors
- Installation: Ensure tree is positioned correctly and vertically prior to tightening guy line tensioners.

527 Underground guying for:

- Description: Specimen Shrubs and small gardens trees
- Manufacturer: Platipus Tree Anchors t: 01737 762300 or other equal and approved
- Product reference: Appropriate to tree size and form. Submit proposals
- Anchoring system: 3 no drive-in anchors
- Installation: Ensure tree is positioned correctly and vertically prior to tightening guy line tensioners.

576 Tree pit surfacing – loose fill

- Surfacing material: Mulch, as section Q28
- Area: 1000 mm radius circle
- Depth: 75 mm
- Watering: Water soil thoroughly before laying.
- Installation: Ensure the base of the tree stem is kept free from loose filled material.

NOTES:

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KEY PLAN

PO1	FIRST ISSUE	AP	MS	21.10.22

REV	DETAILS	DRAWN BY	CHECKED BY	CHECKED DATE
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DRAWING RECORD

STATUS
FOR INFORMATION

CLIENT
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PROJECT TITLE
University of Manchester Student Residential

DRAWING TITLE
TREE PLANTING DETAILS

SCALE	DRAWN BY	DATE
1:20@A1	AP	OCT '22

JOB/DRAWING NUMBER	REVISION
(9-)L001	P01