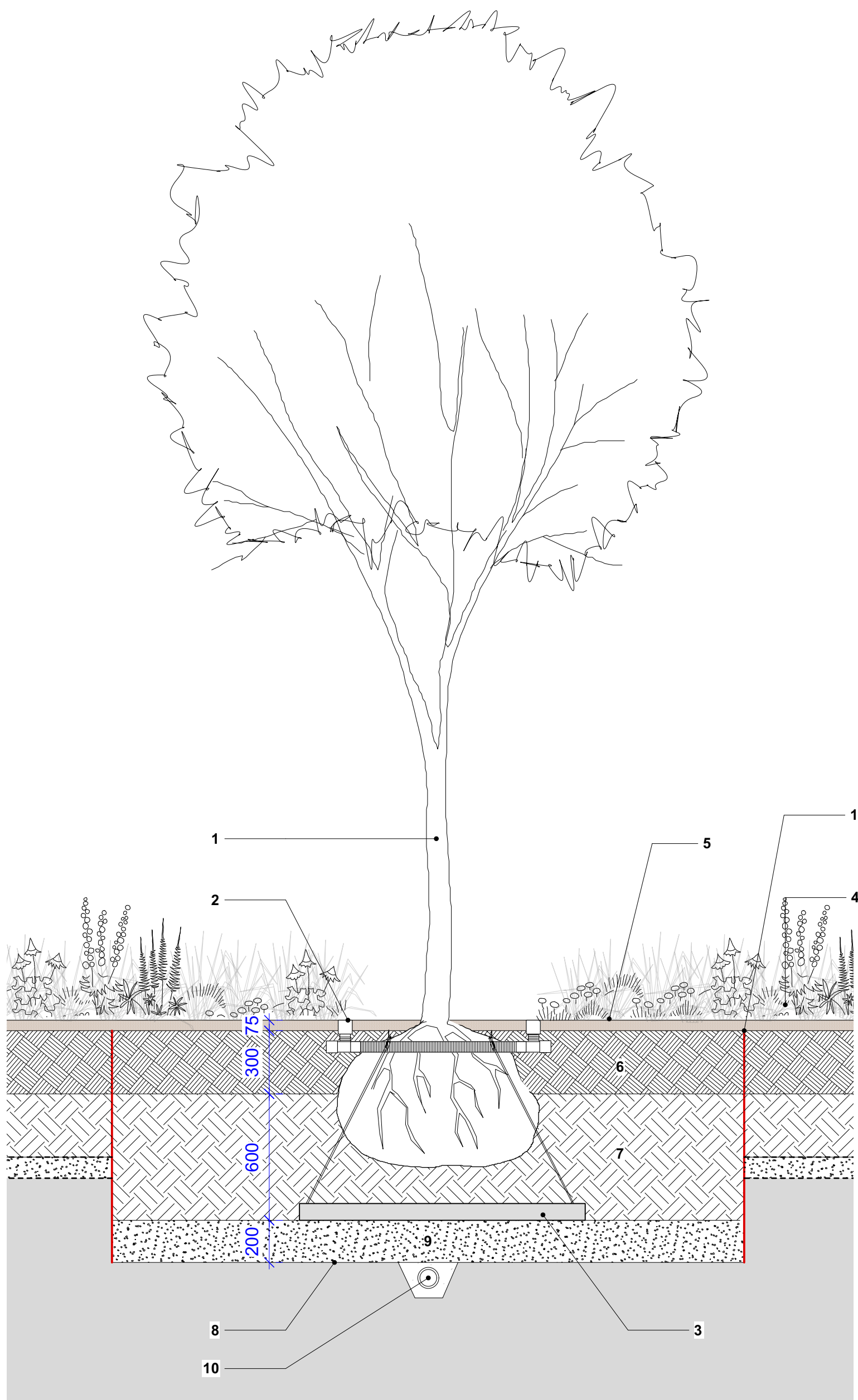




1 Clear-stem Semi-mature Tree in Soft Landscape
Scale: 1:20

1 - Semi-mature Clearstem Tree

Approx. 600mm diameter rootball.
Refer to drawings 45306-PLA-XX-EX-DR-L-2000 for tree plan / schedule.

2 - Manual irrigation system to all trees

Irrigation / Aeration System
Root Rain Urban - RRURBA1A
Large capacity irrigation system with 80mm fixed non-removable grid inlet.
Length: 3m
60mm diameter circuit and vertical pipes.
Supplier: GreenBlue Urban.

3 - Tree anchoring

Product: Deadman Fixing Kit - Plati-Mat® - RF2RDMP.
Supplier: Platipus or equal and approved.

4 - Planting

Refer to drawings 45306-PLA-XX-EX-DR-L-2002 for planting plan / schedule.

5 - Bark Mulch

75mm depth amenity grade bark mulch.
800mm diameter to each tree pit.
Samples to be approved for landscape architect approval.

7 - Imported Sub Soil

To bottom 600mm depth of tree pit / trench. Tree pit 3m x 3m or equivalent measurements (plan size).
Base of pit to be broken up and percolation test to be performed on each tree pit to ensure tree pits are free draining prior to planting.
To BS8601:2013. Samples to be approved for landscape architect approval.

8 - Geotextile Membrane

Terram 2000 Membrane or similar and approved.

9 - Drainage Layer

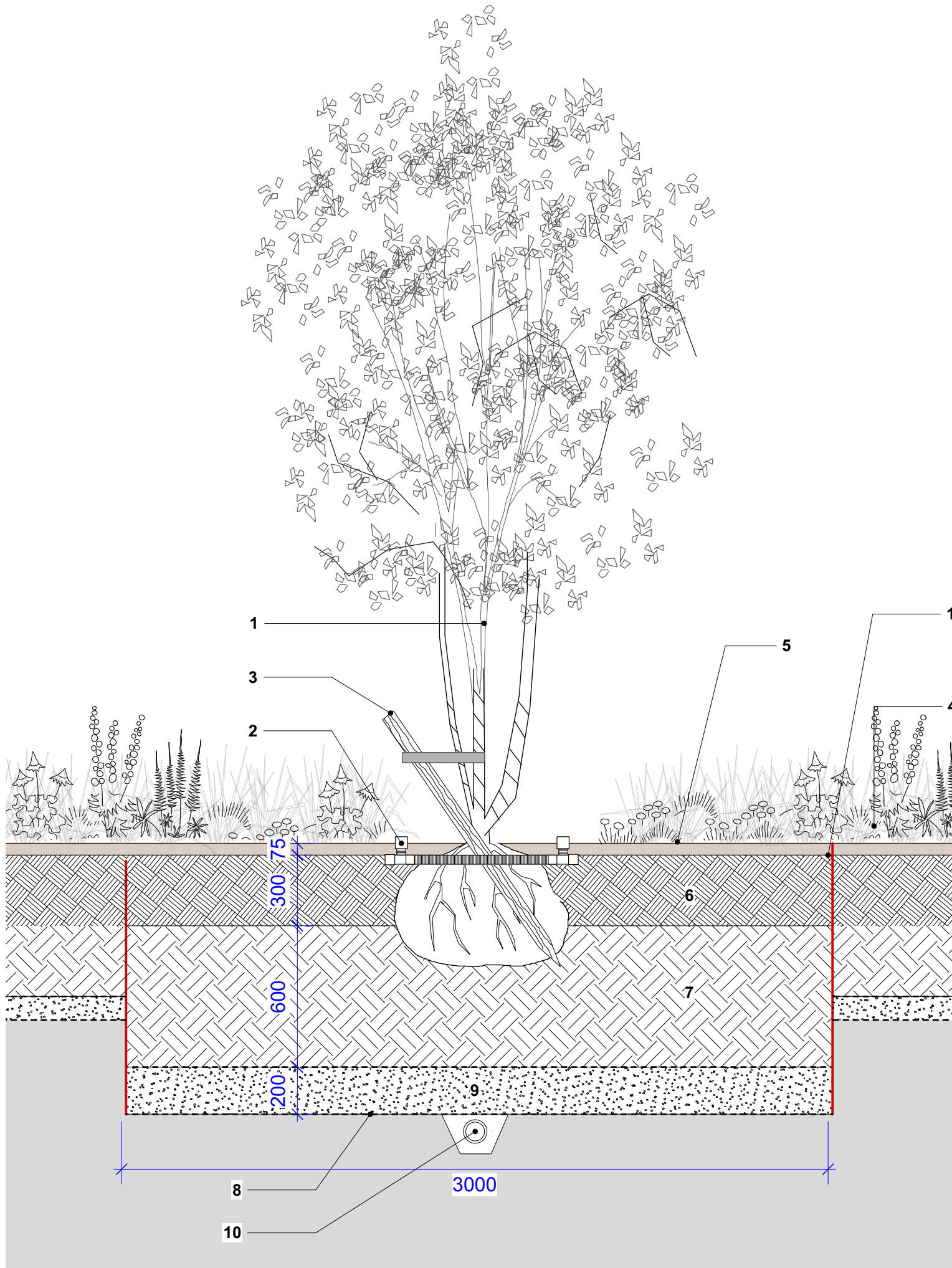
200mm depth cleaned free -draining gravel.
Subject to percolation test.

10 - Active Drainage

Using flexible, perforated plastic pipe within 600mm wide channel.
10-15mm gauge clean stone backfill.
Subject to percolation test results and engineers detail.

11 - ReRoot 1000 Linear Root Barrier

Installed around the upper 1500mm of the tree pit trench, to supplier's specification.
Supplier: GreenBlue Urban.



2 Multi-stem Semi-mature Tree in Soft Landscape
Scale: 1:20

1 - Semi-mature Multistem Tree

Approx. 600mm diameter rootball.
Refer to drawings 45306-PLA-XX-EX-DR-L-2000 for tree plan / schedule.

2 - Manual irrigation system to all trees

Irrigation / Aeration System
Root Rain Urban - RRURBA1A
Large capacity irrigation system with 80mm fixed non-removable grid inlet.
Length: 3m
60mm diameter circuit and vertical pipes.
Supplier: GreenBlue Urban.

3 - Single Tree Stake

Size: Minimum 1300mm length x 60mm diameter. Stake to be inserted at 45 degree angle.

4 - Planting

Refer to drawings 45306-PLA-XX-EX-DR-L-2002 for planting plan / schedule.

5 - Bark Mulch

75mm depth amenity grade bark mulch.
800mm diameter to each tree pit.
Samples to be approved for landscape architect approval.

7 - Imported Sub Soil

To bottom 600mm depth of tree pit / trench. Tree pit 3m x 3m or equivalent measurements (plan size).
Base of pit to be broken up and percolation test to be performed on each tree pit to ensure tree pits are free draining prior to planting.
To BS8601:2013. Samples to be approved for landscape architect approval.

8 - Geotextile Membrane

Terram 2000 Membrane or similar and approved.

9 - Drainage Layer

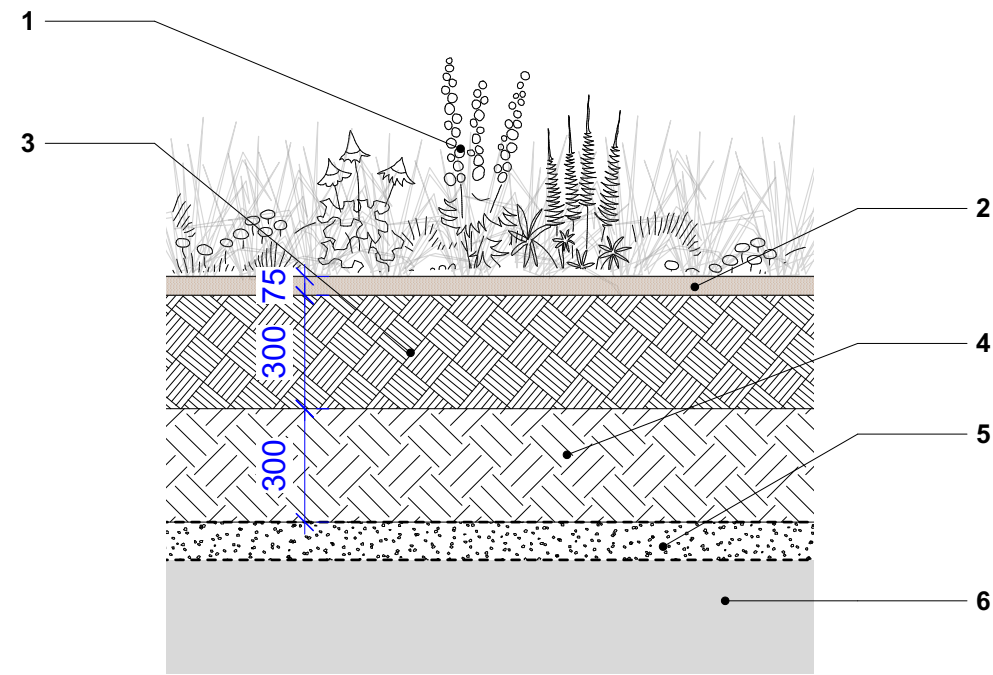
200mm depth cleaned free -draining gravel.
Subject to percolation test.

10 - Active Drainage

Using flexible, perforated plastic pipe within 600mm wide channel.
10-15mm gauge clean stone backfill.
Subject to percolation test results and engineers detail.

11 - ReRoot 1000 Linear Root Barrier

Installed around the upper 1500mm of the tree pit trench, to supplier's specification.
Supplier: GreenBlue Urban.



3 Herbaceous Planting Build-up
Scale: 1:20

1 - Planting

Refer to drawings 45306-PLA-XX-EX-DR-L-2002 for planting plan / schedule.

2 - Bark mulch

75mm amenity grade bark mulch
Samples to be approved for landscape architect approval.

3 - Imported topsoil

Depth: 300mm
To BS3882:2007. Samples to be approved for landscape architect approval.

4 - Imported Subsoil

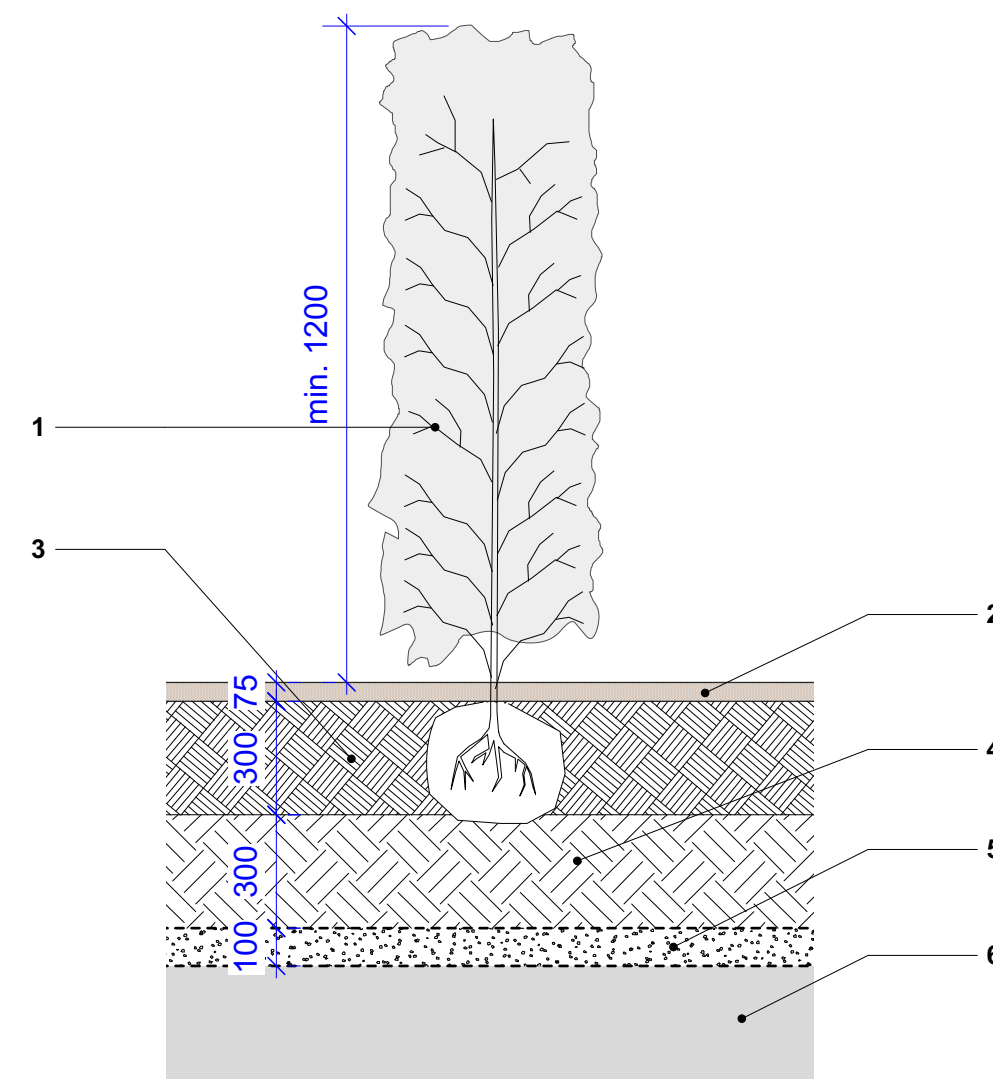
Depth: 300mm
To BS8601:2013. Samples to be approved for landscape architect approval.

5 - Drainage Layer

100mm depth cleaned free -draining gravel and wrapped in geotextile membrane
As required - engineer to confirm.

6 - Existing Ground

To be broken up and percolation test to be performed to ensure soil is free draining prior to planting.



4 Instant Hedge Planting Build-up
Scale: 1:20

1 - Instant Hedge

Refer to planting schedule for species.
Height: Min. 1200mm, allowed to grow to 1800mm.
4 rootballs per linear metre. 2-3x transplanted.

2 - Bark mulch

75mm amenity grade bark mulch
Samples to be approved for landscape architect approval.

3 - Imported topsoil

Depth: 300mm
To BS3882:2007. Samples to be approved for landscape architect approval.

4 - Imported Subsoil

Depth: 300mm
To BS8601:2013. Samples to be approved for landscape architect approval.

5 - Drainage Layer

100mm depth cleaned free -draining gravel and wrapped in geotextile membrane
As required - engineer to confirm.

6 - Existing Ground

To be broken up and percolation test to be performed to ensure soil is free draining prior to planting.

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NOTES:

1. Do not scale from this drawing.
2. Always work to noted dimensions.
3. All dimensions are in millimetres unless otherwise stated.
4. All setting out, levels and dimensions to be agreed on site.
5. The dimensions of all materials must be checked on site before being laid out.
6. This drawing must be read with the relevant specification clauses and detail drawings.
7. Order of construction and setting out to be agreed on site.

REFER TO NBS SECTION Q28 / Q31.

PERCOLATION TEST

To be performed on tree pits and planting areas where insufficient permeability might be an issue.

Perform the test in every tree pit or agree with the landscape architect on selected representative locations.

Instructions for performing a percolation test:

1. With a spade or soil auger, dig a hole 45-60 cm deep at the bottom of the proposed tree pit. The hole diameter should be a minimum of 10 cm. The diameter of the hole should be uniform from top to bottom with the bottom being flat.

2. Pre-wetting: Fill hole with water to the top and allow to stand for at least an hour to pre-wet the soil.

3. Refill hole to within a 5 cm of the top. Don't overflow the hole.

4. To aid in measurement, place a stick across the top of the hole and use a ruler or measuring tape to mark periodic drops in water level.

5. Allow the hole to drain for at least one hour. A longer period of time (2 to 3 hours) will give a more accurate reading of average percolation rates.

6. Determine the average drop in water level per hour and refer to the table below to interpret results.

If water level in hole drops

• Less than 1.25 cm per hour: Poorly drained and suited to wet-site species

• 1.25-2.50 cm per hour: Moderately well drained and acceptable for many species including wet site species

• More than 2.5 cm per hour: Well drained and suitable for all species including sensitive species.

The site manager of the main contractor/client must be informed of the tests and must be involved in the decision of the timing prior to undertaking the tests.

Please report the results to the landscape architect and the site manager prior to filling the tree pit.

NOTE

ENGINEER TO CONFIRM IF PLANTING AREAS TO HAVE WATERPROOF LINING AND ACTIVE DRAINAGE.

S4-P05	25-07-24	Planning conditions discharge	TF	AM
S4-C01	10/04/24	Construction	TF	AM
D2-P04	24-03-23	Tender	TF	AM
S4-P03	24/11/22	Stage 3	TF	AM
S4-P02	16/03/21	Updated Public realm after change to building location	CS	KR
S4-P01	26/02/21	First Issue	CS	KR

Revision	Date	Description	Drawn	Apprvd.
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Client Manchester Life

Project Ancoats Mobility Hub

Drg Title Softworks Details

Created on	Created by	Approved by
15/12/2020	CS	KR

Scale	Size	Workstage
1:20	A1	Stage 5

Drg No.	Suitability	Revision
45306-PLA-XX-EX-DR-L-6000	S4	P05