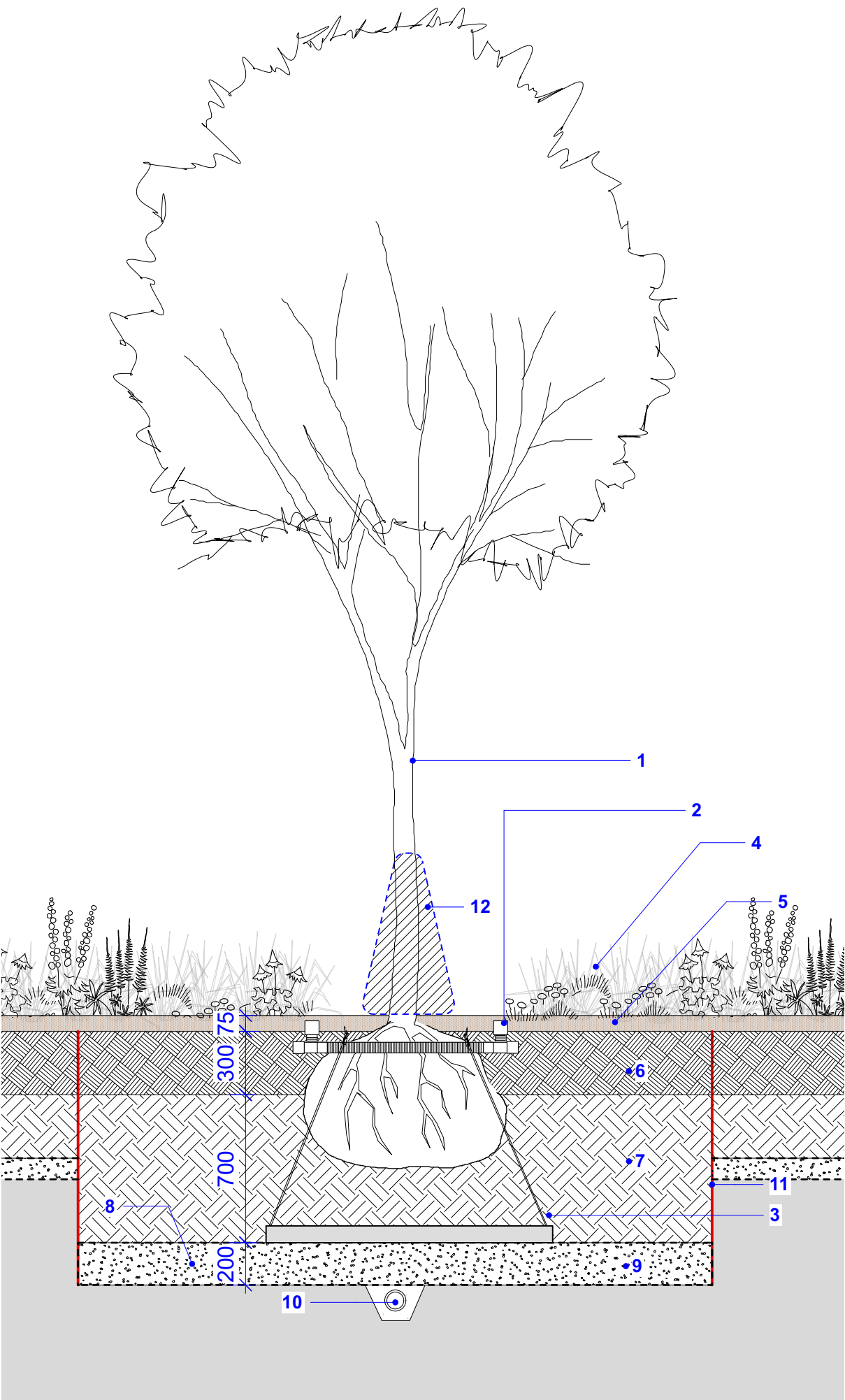
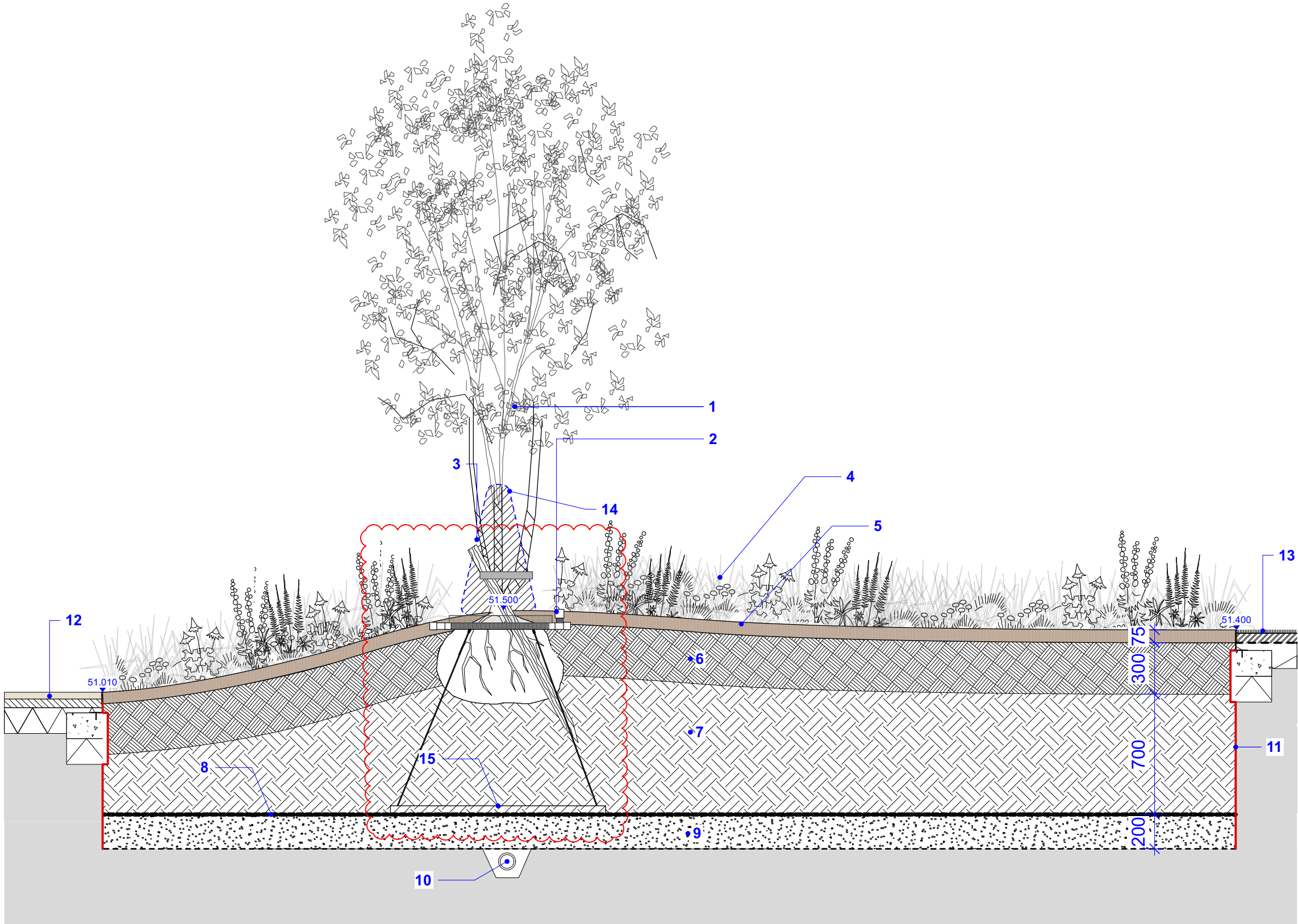


DESIGN INTENT ONLY

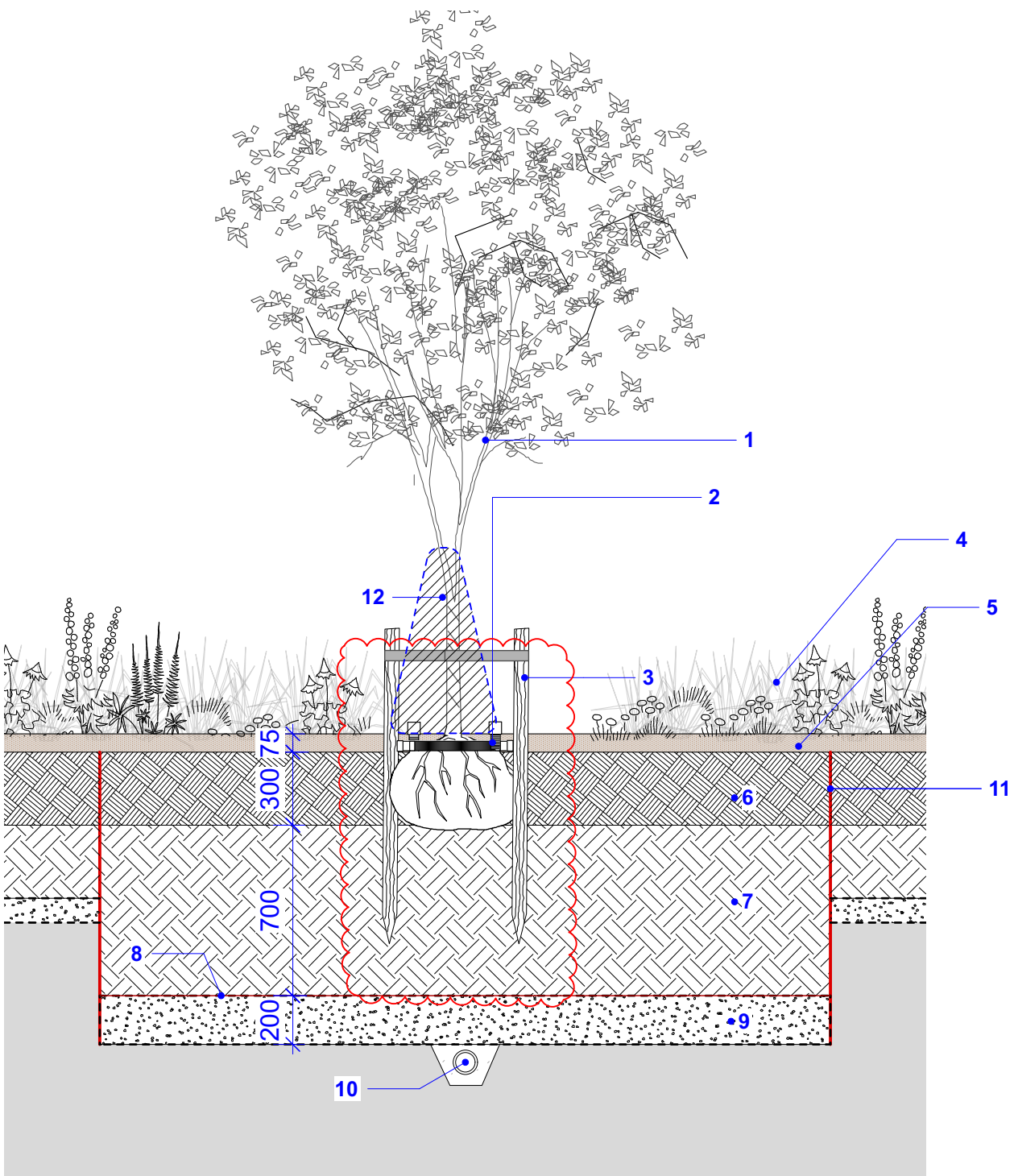
Foundations to engineers specification.
subject to approval of manufacturers drawings,
all measurements to be checked on site prior
to ordering and fabrication.



1 Tree pit single stem in soft detail
Scale: 1:25



2 Tree pit multi-stem in soft detail
Scale: 1:25



3 Fruit Tree pit single stem in soft detail
Scale: 1:25

- 1 -Semi-mature Clearstem Tree**
Approx. 600mm diameter rootball.
Refer to drawings
Refer to Q31/218.
- 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.
Refer to Q31/512.
- 3 - Tree anchoring**
Product: Deadman Fixing Kit - Plati-Mat® -
RF2RDMP.
Supplier: Platipus or equal and approved.
Refer to Q31/526.
- 4 - Planting**
Refer to drawings
2895-PLA-XX-EX-DR-L-2005 and
2895-PLA-XX-EX-DR-L-2006 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.
Refer to Q31/505.
- 6 - Site Won or Imported topsoil**
Depth: 300mm
To BS3882:2007. Samples to be approved
for landscape architect approval.
Refer to Q28/110A and 340A.
- 7 - Site Won or Imported Sub Soil**
To bottom 700mm depth of tree pit / trench.
Tree pit 12m3 soil or equivalent .
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.
Refer to Q28/110A and 340A.
- 8 - Geotextile Membrane**
Terram 2000 Membrane or similar and
approved.
Supplier: GreenBlue Urban.
Refer to Q31/385.
- 9 - Drainage Layer**
200mm depth cleaned free -draining gravel.
Subject to percolation test.
Refer to Q31/515.
- 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.
Refer to Q31/515.
- 11 - ReRoot 1000 Linear Root Barrier**
Installed around the upper 1500mm of the
tree pit trench, to supplier's specification.
Supplier: GreenBlue Urban.
Refer to Q31/510.
- 12 - Tree Hydration bag**
Product: Premium Hydration Bag
Size: 70L Capacity
Supplier: Barchams or similar approved.
Refer to Q31/530

- 1 -Semi-mature multi-stem Tree**
Approx. 600mm diameter rootball.
Refer to drawings
2895-PLA-XX-EX-DR-L-2005 and
2895-PLA-XX-EX-DR-L-2006 for details
Refer to Q31/218.
- 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.
Refer to Q31/512.
- 3 - Single Tree Stake**
Size: Minimum 1300mm length x 60mm
diameter
Refer to Q31/535.
- 4 - Planting**
Refer to drawings
2895-PLA-XX-EX-DR-L-2001 and
2895-PLA-XX-EX-DR-L-2006 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.
Refer to Q31/505.
- 6 - Site Won or Imported topsoil**
Depth: 300mm
To BS3882:2007. Samples to be approved
for landscape architect approval.
Refer to Q28/110A and 340A.
- 7 - Site Won or Imported Sub Soil**
To bottom 700mm depth of tree pit / trench.
Tree pit 12m3 soil or equivalent.
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.
Refer to Q28/110A and 340A.
- 8 - Geotextile Membrane**
Terram 2000 Membrane or similar and
approved.
Supplier: GreenBlue Urban.
Refer to Q31/385.
- 9 - Drainage Layer**
200mm depth cleaned free -draining
gravel.
Subject to percolation test.
Refer to Q31/515.
- 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.
Refer to Q31/515.
- 11 - ReRoot 1000 Linear Root Barrier**
Installed around the upper 1500mm of the
tree pit trench, to supplier's specification.
Supplier: GreenBlue Urban.
Refer to Q31/510.
- 12 - Coloured Tarmac**
Refer to drawing
2895-PLA-XX-EX-DR-L-5001 for more
information
Refer to Q22/127.
- 13 - Nottsport**
Refer to drawing
2895-PLA-XX-EX-DR-L-5001 for more
information
Refer to Q26/350.
- 14 - Treegator**
Product: Treegator jr. Pro irrigation bag
Size: 50L Capacity
Supplier: Thortrees Amenity LTD or
similar approved.
Refer to Q31/530A
- 15 - Tree anchoring**
Product: Deadman Fixing Kit - Plati-Mat® -
RF2RDMP.
Supplier: Platipus or equal and approved.
Refer to Q31/526.

- 1 -Semi-mature single stem fruit tree**
Approx. 600mm diameter rootball.
Refer to drawings
2895-PLA-XX-EX-DR-L-2005 and
2895-PLA-XX-EX-DR-L-2006 for details
Refer to Q31/218.
- 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.
Refer to Q31/512.
- 3 - Double Tree Stake**
Size: Minimum 1300mm length x 60mm
diameter
Subject to percolation test.
Refer to Q31/535.
- 4 - Planting**
Refer to drawings Refer to drawings
2895-PLA-XX-EX-DR-L-2001 and
2895-PLA-XX-EX-DR-L-2006 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.
Refer to Q31/505.
- 6 - Site Won or Imported topsoil**
Depth: 300mm
To BS3882:2007. Samples to be approved for
landscape architect approval.
- 7 - Site Won or Imported Sub Soil**
To bottom 700mm depth of tree pit / trench.
Tree pit 8m3 equivalent
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.
Refer to Q28/110A and 340A.
- 8 - Geotextile Membrane**
Terram 2000 Membrane or similar and
approved.
Supplier: GreenBlue Urban.
Refer to Q31/385.
- 9 - Drainage Layer**
200mm depth cleaned free -draining gravel.
Subject to percolation test.
Refer to Q31/515.
- 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.
Refer to Q31/515.
- 11 - ReRoot 1000 Linear Root Barrier**
Installed around the upper 1500mm of the
tree pit trench, to supplier's specification.
Supplier: GreenBlue Urban.
Refer to Q31/510.
- 12 - Treegator**
Product: Treegator jr. Pro irrigation bag
Size: 50L Capacity
Supplier: Thortrees Amenity LTD or similar
approved.
Refer to Q31/530A

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REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN
AUTHORITY FROM THE OWNER.

- 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.

NOTE
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 sensitivespecies.

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.

Revision Notes:
1 - double stake changed to single stake, dead
anchor added.
2 - double stake distance reduced

C01	22-12-23	Construction Issue	AS	AM
P03	26-07-23	Tender addendum	AS	AM
P02	19-05-23	Tender Update	AS	AM
P01	09-05-23	Tender Issue	AS	AM

Revision	Date	Description	Drawn	Apprvd.
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Planit I.E. Limited
E: info@planit-ie.com W: planit-ie.com



MANCHESTER
2 Back Grafton St., Altrincham, WA14 1DY
T: 0161 928 9281



LEEDS
No.1 Aire Street, Leeds Station, Leeds, LS1 4PR
T: 0113 824 6413



LIVERPOOL
Tempest 3,3, 12 Tithebarn Street, Liverpool, L2 2DT
T: 0151 363 1230



LONDON
Unit 6 Waterside, 44-48 Wharf Road, London, N1 7UX
T: 0207 233 5678



STANDISH
Standish Gatehouse, Stonehouse, Gloucestershire, GL10 3BZ
T: 0145 360 7080

Client MCC

Project Ancoats Green

Drg Title Softworks Details Trees
Tree Pits

Created on	Created by	Approved by
10/11/22	AS	AM

Scale	Size	Workstage
Varies	A1	STAGE 5

Drg No.	Suitability	Revision
2895-PLA-XX-XX-DR-L-6000	D4	C01