

Tree Pit in Soft Landscape Detail: Section
scale 1:25

**NOTE: Refer to External Works Specification:
Soft Landscape (OTH-PLA-EE-ES-SPE-L-0003)
in conjunction with this drawing**

1. Semi-Mature Tree Rootball & Wrapped
Refer to Softworks Plan OTH-PLA-EE-ES-DWG-L-2000
and Softworks Schedule OTH-PLA-EX-ES-SCH-L-0002
for details.

2. Ornamental Shrub and Herbaceous Planting
Refer to Softworks Detail Planting Plans
OTH-PLA-EE-ES-DWG-L-6006 & 6007 and Softworks
Schedule OTH-PLA-EX-ES-SCH-L-0002 for details.

3. Irrigation / Aeration System
RootRain Urban
Large capacity irrigation system with 80mm fixed
non-removable grid inlet. Length: 5m
60mm diameter circuit and vertical pipes.

4. 75mm Bark Mulch Layer
Bark mulch to base of trees and hedges. 800mm
diameter circle from base in all directions.

5. Triple staked tree anchoring
75mm diam. treated softwood stakes driven firmly into
base of tree pit by min. 300mm, rootball fixed with fibre
straps and tensioning ratchets. Rootball to be protected
from tensioned straps by suitable padding

6. Imported Topsoil
Top half of tree pit filled with imported topsoil to 400mm
minimum depth. To BS3882:2015

7. Imported Subsoil
Bottom half of tree pit filled with imported subsoil to
800mm depth. To BS8601:2013

8. Drainage Layer
200mm clean stone.
Base of tree pit trench loosened and shaped
as shown to aid root penetration and pit drainage

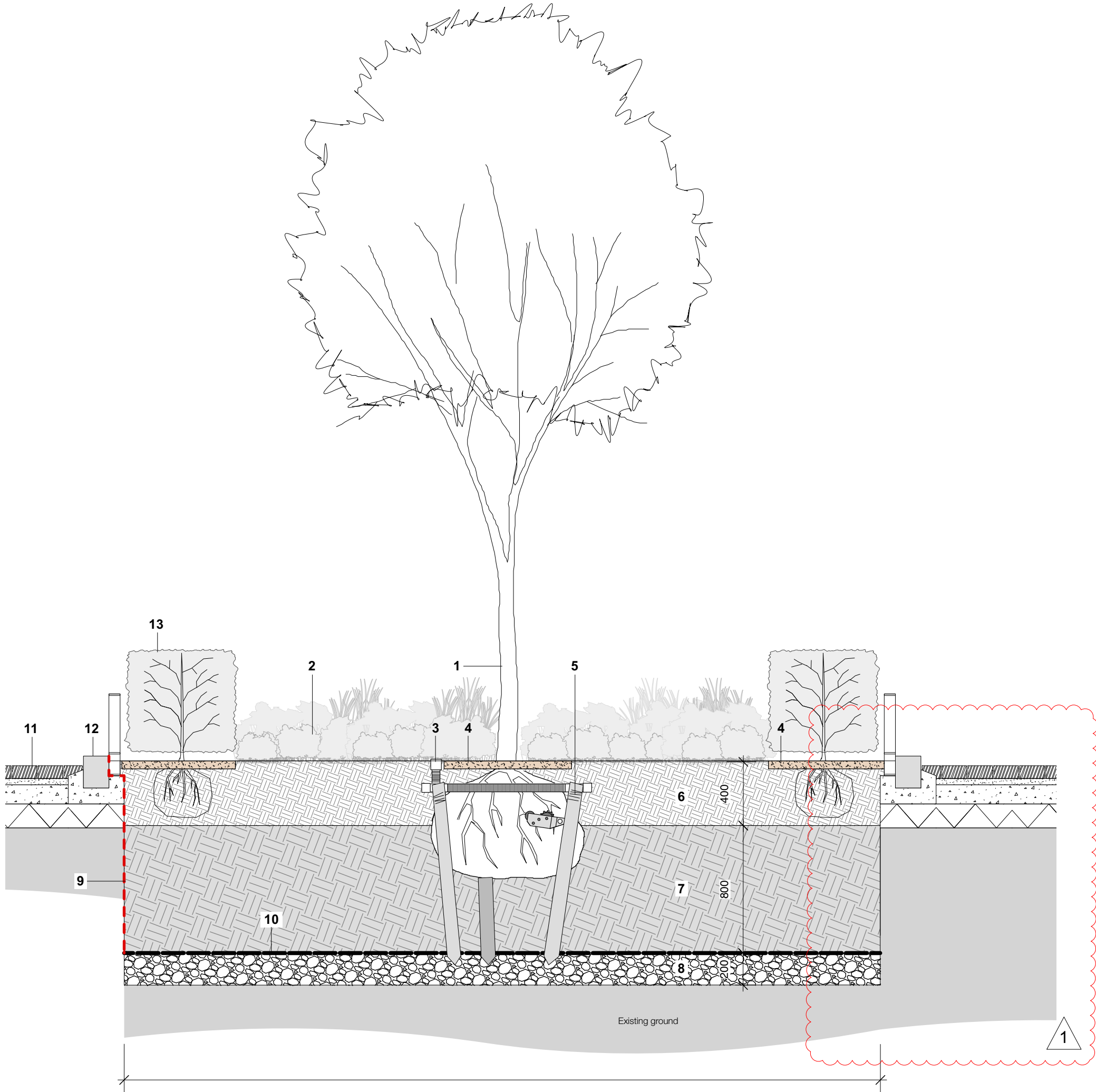
9. ReRoot 2000 Linear Root Barrier
Installed around sides of the tree pit trench as indicted
on drawing
Depth: 1500mm
Supplier: Green Blue Urban

10. Geotextile
Terram 2000 Membrane to base of tree pit, above
drainage layer.

11. Natural Stone Paving and Build-up
Refer to drawing OTH-PLA-EE-ES-DWG-L-5000

12. Proposed Natural Stone Edge and Railing
To perimeter of planting areas. Refer to drawings
OTH-PLA-EE-ES-DWG-L-1007
OTH-PLA-EE-ES-DWG-L-5001

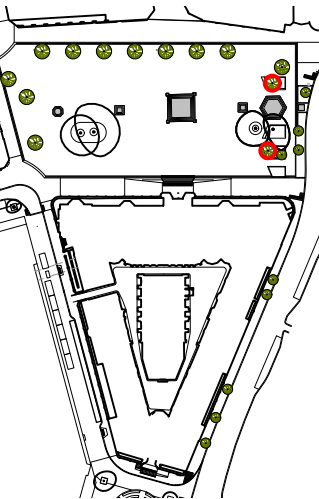
13. Instant Hedge Planting
Refer to Softworks Detail Planting Plans
OTH-PLA-EE-ES-DWG-L-6006 & 6007 and Softworks
Schedule OTH-PLA-EX-ES-SCH-L-0002 for details.



Refer to tree pit location plan OTH-PLA-EE-ES-DWG-L-1015 for location and extent of tree pits

- 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.

Location Plan
NTS



NOTE: PERCOLATION TEST
To be performed on all tree pits and any planting areas where
insufficient permeability might be an issue.
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.

Revision Notes:

1. Root Cell Modules omitted to avoid impact upon existing tree roots.

C02	13/10/23	Refer to Revision Notes	SY	MS/KR
C01	01/04/21	Construction Issue	SR	MS/KR
01	05/07/19	Stage 4 Issue	SR	MS/KR

Revision	Date	Description	Drawn	Apprvd.
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Client Manchester City Council

Project Our Town Hall

Dwg Title Softworks Detail
Tree Pit in Soft Landscape

Created on 05-07-19 Created by SR Approved by MS / KR

Scale As Shown Size A3 Workstage Stage 5

Dwg No. OTH-PLA-EE-ES-DWG-L-6001 Suitability \$4 Revision C02