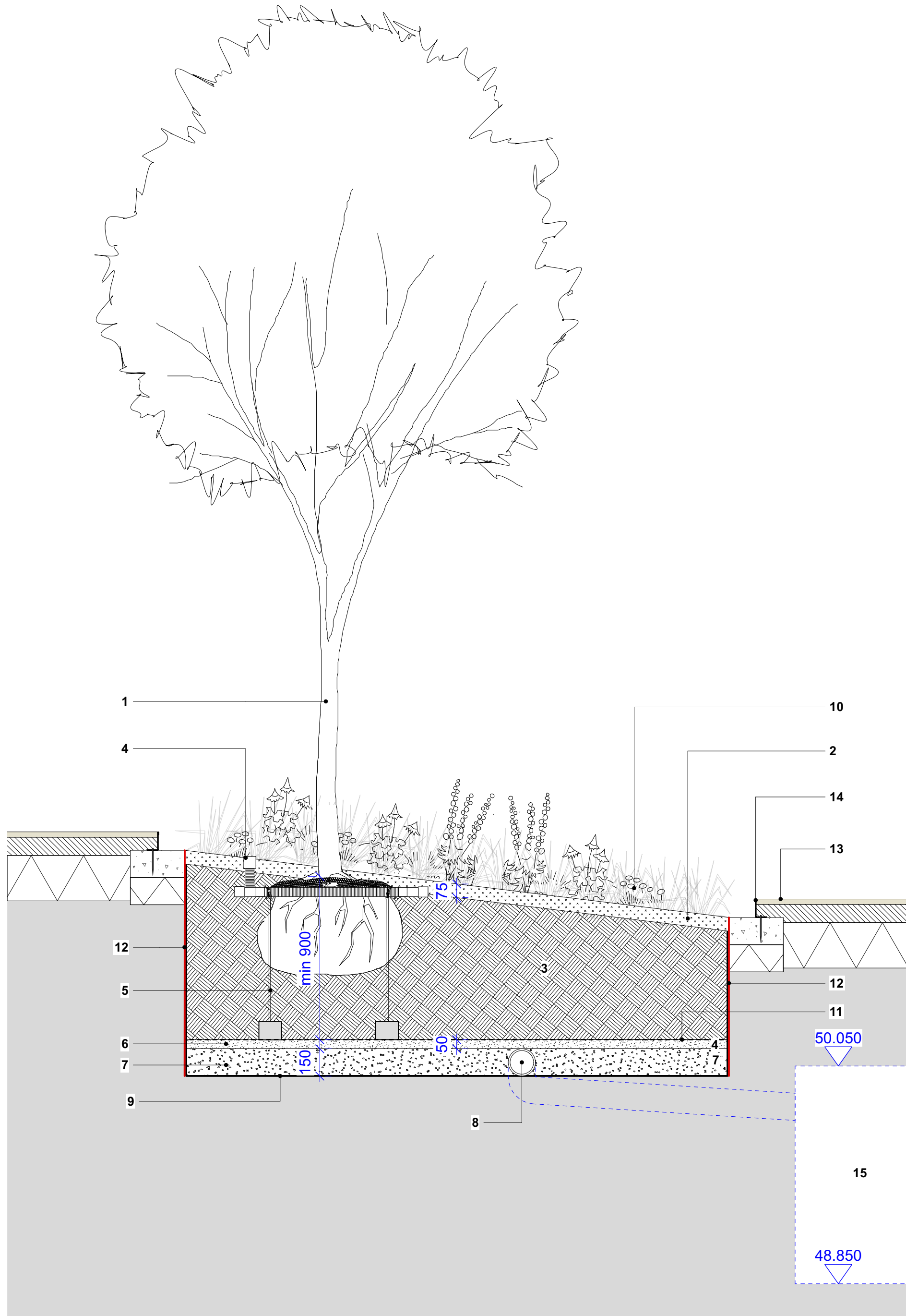




1 Typical Rain Garden - Section
Scale: 1:20

- 1 - Semi-mature Clearstem Tree**
Approx. 600mm diameter rootball.
Refer to drawings 45306-PLA-XX-EX-DR-L-2002 for planting plan / schedule.
- 2 - Loose Gravel**
Material: Clean sandstone gravel.
Depth: 75mm.
Gauge: 5-20mm particles. No fines.
Supplier: Offerton sand and gravel or equal approved.
- 3 - Porous free draining soil**
Sandy-loam based soil with organic matter
Base of planter to be broken up.
Soil must comply with BS8601:2013.
Sample to be provided for landscape architect approval.

- 4 - 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.

- 5 - Tree anchoring**
Product: Deadman Fixing Kit / Plati-Mat® - RF2RDMP.
Supplier: Platipus or equal and approved.

- 6 - Grit base**
50mm depth
To engineer's specification.

- 7 - Drainage Layer**
150mm depth cleaned free -draining gravel.
Subject to percolation test.

- 8 - Active Drainage**
Material: Perforated Plastic Pipe.
To be wrapped in high permeability geotextile membrane.
To include outlets to attenuation tank.
Diameter: 150mm
To engineer's specification.

- 9 - Waterproof membrane**
To engineer's specification.

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

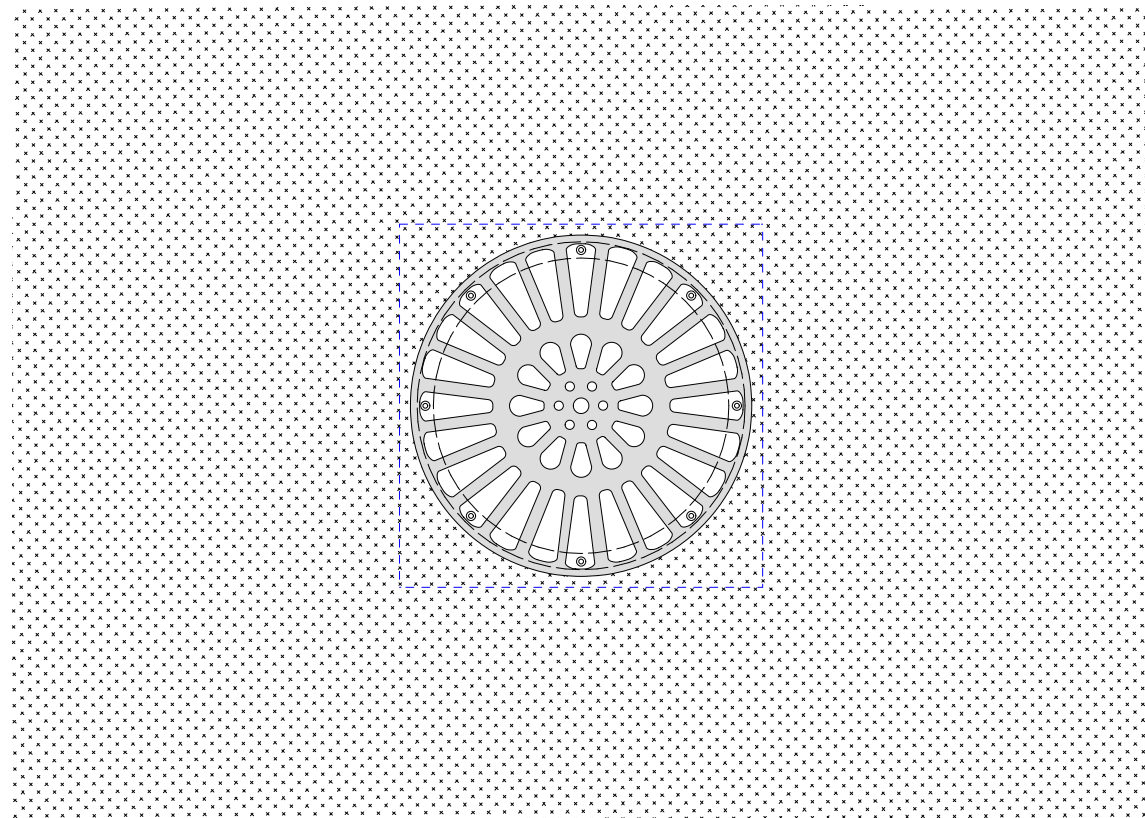
- 11 - Geotextile Membrane**
Terram 2000 Membrane or similar and approved.

- 12 - ReRoot 1000 Linear Root Barrier - IN ABEYANCE**
Engineer to confirm if required - waterproof membrane may provide adequate root barrier.
Installed around the upper 1000mm of the tree pit trench, to supplier's specification.
Where adjacent to services a deeper product might be required
Supplier: GreenBlue Urban.

- 13 - Adjacent Surfacing (varies)**
Refer to drawing 45306-PLA-XX-EX-DR-L-5000.

- 14 - Flush Steel Edging**
Product: ExcelEdge Fort L-profile.
Material: CorTen Steel
Size: 150mm
Supplier: Kinley or similar approved.

- 15 - Stainless Steel Overflow Pipe**
Refer to engineers details



2 Overflow Outlet Detail
Scale: 1:10

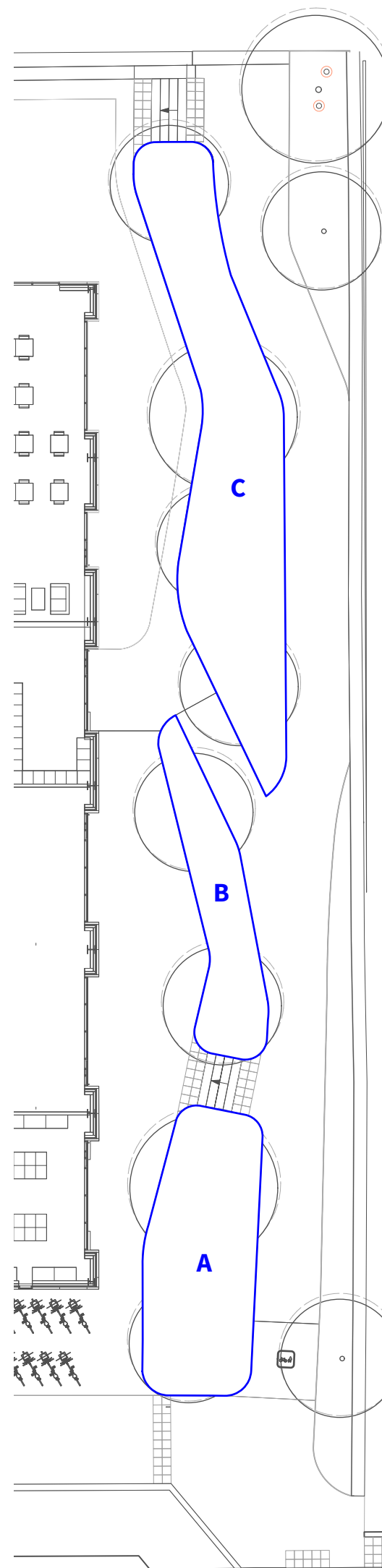
- 1 - Stainless Steel Domed Cover**
Bottom of dome to sit level with freeboard level.
Material: Grade 316 stainless steel.
Size: 450mm dia. x 150mmH.
Fixing: To engineer's specification.
To be fixed using tamper proof fixings.

- 2 - Stainless Steel Extension Tube**
Material: Grade 316 stainless steel.
Size: 450mm dia. x height varies.
Fixing: To engineer's specification.
To be fixed using tamper proof fixings.

- 3 - Perforated Pipe**
Size: 150mm dia.
Allow for mastic seal between extension tube and concrete base.

- 4 - Concrete Base**
To engineer's specification.

- 5 - Planting Buildup**
Refer to drawing 45306-PLA-XX-EX-DR-L-6001.



LOCATION PLAN
SCALE 1:250

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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.

S4-P03	25-07-24	Planning conditions discharge	TF	AM
S4-C01	10/04/24	Construction	TF	AM
S4-P02	24/03/23	1. Rain Garden section locations amended	TF	AM
		2. Details amended		
		3. Key information amended		
S4-P02	24/03/23	Tender	TF	AM
S1-P01	16/01/23	Coordination	TF	AM

Revision	Date	Description	Drawn	Apprvd.
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Client Manchester Life

Project Ancoats Mobility Hub

Drg Title Rain Garden Details

Created on	Created by	Approved by
13/03/2023	TF	AM

Scale	Size	Workstage
Varies	A1	Stage 5

Drg No.	Suitability	Revision
45306-PLA-XX-EX-DR-L-6001	S4	P03