

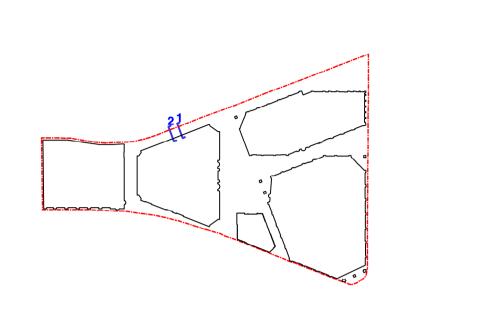
RRARBV150A Arborvent 150 single inlet aeration systemwith cast inlets fitted to RootSpace Airflow inlet Cast Aluminium Grating to Irrigation/Aeration System. Mortar bed to be utilised as-To be GreenBlue Urban 'Pre-cast Tree Grille' required to ensure grating is set flush with finished surface levels. Vertical pipe to or similar as approved by the client. be cut to length at time of tree pit paving course surfacing as necessary for top of inlet to be secured flush with finished surface Indicative extent of Irrigation/Aeration System. 60mmø pvc perforated pipe installedaround shoulder of root ball. Irrigation/Aeration pipe connected to surface with GLTWGNA twinwall geonet laid over RootSpace structure, vertical pipe of same specification and tee sections as required refer to manufacturers details for specification Clay Pavers-For detail refer to drg. no. TRI-CLA-ZZ-ZZ-DR-L-0502 RootSpace structure - size of structure to be coordinated based on 150mm wide ACO Multidrain Gratingmanufacturers recommendations and on site situation. Refer to Grating style to be confirmed drg.no. TRI-CLA-ZZ-00-DR-L-0041 for overall area of cell structure. M150D No. 0.1J Channel ACO Multidrain-Root Barrier to be installed to edge of tree pit to divert roots downwards and prevent root heave of adjacent paved surfaces. Top of root barrier to sit directly on top of cell system. Polymer Modified Mortar 10mm width-Existing Capping Beam-23.600 Concrete Foundation To Engineer'sspecifications Overall size of tree pit to be nominal-Geotextile blinding between growing medium and drainage layer. 'Terram 1000' or similar as Tree pit may not be concentric as required to avoid approved by the Landscape Architect. built features and services. Exact tree pit profile to be 1600 confirmed with Landscape Architect on site and to achieve minimum 800mm depth. Overall volume of tree pit to achieve a minimum of: 5 cubic m of growing medium for large shrubs
 10 cubic m of growing medium for small trees -Existing brick canal wall to be broken down locally to allow 16 cubic m of growing medium for large trees construction of tree pit - 20 cubic m of growing medium for mature trees Overall tree pit dimensions are dependant upon surrounding ground conditions.

Minimum excavation dependant upon area required to install root ball and underground guying system. -100mm thick single size (nominal 10mm) angular porous aggregate drainage layer to base of tree pit. Drainage material to include no limestone or fines. Specialist Growing Medium Supplier to confirm whether or not additional tree planting compost is -Base of tree pit to be ripped to ensure free drainage. required for tree pits. Any poor drainage to be reported to the Landscape Architect. Indicative extent of Tree Anchoring System.

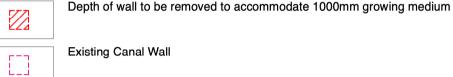
Typical Detail Through Canal Edge Tree Pit - Section 2

- All dimensions in millimetres unless otherwise shown.
   All levels in metres above Ordinance Datum (mAOD) unless otherwise shown. 3. All dimensions to be checked on site and any discrepancies reported to Employer
- before pricing / work starts.
  4. Any ambiguities or discrepancies within this drawing and any other information given elsewhere
- must be reported to Camlins and the Employer for clarification before pricing work proceeds. 5. All drawings to be read in conjunction with other Camlins drawings and specification information as appropriate.
- Refer to relevant Engineer's and Architect's information as appropriate for confirmation of all engineering and architectural details.
- 7. All works to be carried out in accordance with the latest British Standards and appropriate codes of practice as a minimum.

### **KEY PLAN**



Overall amount of growing medium will need to achieve approximately 20m3 per tree along the canal edge. This equates to a total of 180m3 of growing medium in the full continuos tree pit. This overall size keeps in consideration future growth of the trees to ensure the success of them.



## **NOTES**

## ROOTSPACE STRUCTURE SYSTEM

GreenBlue Urban `RootSpace' structural cell systems to be implemented in all tree pits beneath hard standing areas. Tree pits to use 'RootSpace' and 'RootSpace Air Flow Lid' or similar as approved by the client. To be installed to manufacturers specifications. Refer to detail drawing for confirmation of cell sizes.

## **IRRIGATION / AERATION SYSTEM & ROOT BARRIER**

Irrigation/aeration system to be 60mmø pvc perforated pipe installed around shoulder of root ball within growing medium. Aeration pipe connected to surface with vertical pipe of same specification and tee sections as required. To Be GreenBlue Urban 'RootRain Civic' or similar as approved by the client (Cast Aluminium Grating to be utilised in-lieu of 'RootRain Civic' aluminium cap. Refer to grating details below).

## RootRain - http://greenblueurban.com/product\_item/rootrain-civic/

Root Barrier to be installed to edge of tree pit as shown to divert roots downwards and prevent roots impeding on adjacent services. To be GreenBlue Urban 'ReRoot 1000' or similar as approved by the client.

Root barrier to be installed with ribs facing the tree. Where two sections of root barrier are required, these will overlap by a minimum of 300mm and

use GreenBlue Urban RERJTA joining tape to both sides and the full length of the seem.

# ReRoot - http://greenblueurban.com/products/root-barriers/

### **CAST ALUMINIUM GRATING** Top of vertical pipe to have Cast Aluminium Grating set flush within hard landscape. Cast Aluminium Grating to be Rootrain Arborvent 150 aeration system or similar approved by the

Top of vertical pipe to have nominal 150mm Cast Aluminium Grating set flush with finished ground levels. C20 mass concrete base to be utilised as required to ensure grating is flush with finished

To be GreenBlue Urban 'Pre-cast Tree Grille' or similar as approved by the client. To be of Galvanised Steel construction, steel sizing to be detailed by the supplier to confirm appropriate loading capacity within the given site situations. Tree Grill to be inlaid with Resin Bound Gravel

Base of grille to be perforated to allow water to pass through, as shown in details. Tree grill to allow direct connection of 60mm dia perforated pipe tree irrigation sysyem, detail to be confirmed by the specialist supplier.

# Exact fixing and foundation details to be as the specialist manufacturers details.

does not cut into root ball. All ratchets to be installed to side of root ball.

# TREE SOIL

Tree soil growing medium to be:

Maximum 600mm depth GreenBlue Urban 'RootSoil 20' Top Soil as suggested by the supplier.

Where growing medium is required below 600mm depth, GreenBlue Urban 'RootSoil Sub' is to be used, this is low in organic matter content sub soil and specified to eliminate the risk of soil

### becoming anaerobic 100mm depth of fine washed sand to be used at the bottom of tree pit.

# SOIL ADDITIVE

All trees planted within hard surface tree pits to be installed with GreenBlueUrbans "RootStart" Mycorrhizal Fungi or similar as approved. Application to be as recommended by the manufacturer. RootStart to be added to the backfill material immediately surrounding the tree root ball.

# TREE ANCHORING SYSTEM

To be GreenBlue Urban ArborGuy AnchorPlate Kit or similar as approved. Each tree to be secured with underground Tree Anchoring System consisting of adjustable canvas straps that are to be securly located to the shoulder of the root ball, with three high strength galvanised steel wires connected to 3no ArborGuy AnchorPlates placed at bottom of pit. All

ratchets to be installed to side of root ball. Protective matt to be utilised to ensure guying system

RootSpace / Irrigation/Aeration System / Root Barrier / Aluminium Grating / Tree Grille / Tree Soil / Soil Additive / Tree Anchor System GreenBlue Urban, Haywood Way, Hastings, East Sussex TN35 4PL Tel.: 01424 717 797

P01 2025-02-13 Drainage detail included, Tree pit notes added

Revised by Checked by

09.08.2024

New Zealand House, Abbey Foregate, Shrewsbury, Shropshire, SY2 6FD 01743 290 779

Tribeca, London Reef Group

Typical Canal Side Tree Pit Detail along Plot B

Planning Condition Discharge

P01 1:20@A1

Trees to be containerised in air pot system during last winter season before planting. Trees to be installed within constructed tree pit so that growing / nursery linell works to be in accordance with BS 8545: 2014 'Trees: from nursery to independance in the landscape.

IMPORTED TOPSOIL & SUBSOIL FOR STRUCTURAL SOIL

Subsoil Organic Matter Content to be no more than 1.5%.

Topsoil must never be overcompacted Manufactured topsoil to comply with BS 3882.

Bourne Amenity
The Wharf, Rye Road, Kent, TN18 5QG
Tel.: 01797 252 299

Subsoil to comply with BS 8601.

free-draining and uncompacted.

Web.: https://bourneamenity.co.uk/

Possible Supplier

Landscape Architect.

Topsoil must never be laid over standing water or sodden ground.

for approval a minimum of 4 weeks in advance of bulk delivery to site.

Possible Supplier Soil Analysis
Tim O-Hare Associates Soil & Landscape Consultancy
Howbery Park, Wallingford, Oxfordshire, OX10 8BA Tel.: 01491 822 653
http://www.timohare-associates.com/contact.php

TREE PLANTING, TREE SELECTION & APPROVAL

minimum of 12 and a maximum of 24 months before planting.

Topsoil to comply with BS 3882.

- Topsoil to be a well structured sandy-loam and free from stones or any other contaminants.

- Manufactured topsoil to have a maximum aggregate size of 50mm (no more than 10% of soil to be made up of 25-50mm stones).

Representative sample of all imported topsoils and subsoils to be provided to Landscape Architect

Contractor to allow for the appointment of a Soil Specialist to independently asses the condition of all imported topsoil and subsoil. Contractor must not rely on the suppliers documentation.

Representative photos of the trees to be provided prior to any Nursery visit.
 For tree species & stock sizes refer to Tree Planting Plan Drg. No. TRI-CLA-ZZ-00-DR-L-0061.
 Trees to be well balanced in root and crown and to be good examples of the species.

Trees of the same species and stock size to be a matching set unless directed otherwise by

- Evidence to be provided of transplanting in last 4 years. Trees to have been undercut a

All imported topsoil and subsoil to be sourced from a reputable source and to be friable,

Topsoil must never be contaminated with other material, including hardcore.

**Drawing Number** TRI-CLA-ZZ-ZZ-DR-L-0703