

Fusion, Deansgate
Tree Planting Proposals

TREE PLANTING FEASIBILITY

- Wardell Armstrong have reviewed the survey information (received from Cushman & Wakefield) alongside the Corstorphine + Wright landscape proposals of tree planting within the footpaths along Bridgewater Viaduct and Deansgate South, and can confirm that this tree planting is feasible.
- The attached drawings from GreenBlue Urban illustrate how a cellular tree pit system (RootSpace) can be used for successfully planting trees in these areas. The systems are designed to provide sufficient soil volumes to ensure the trees establishment and long term survival, whilst also being able to be installed around existing or proposed underground services. The attached drawings illustrate the area required (shown as red grid) and a section through the suggested system showing the integration of services. The exact design of the system would be refined by GBU once works have begun on site and the utilities are able to be uncovered to show their exact location within the footway, as survey information is not always reliable.
- There is sufficient space in the width of the existing footpaths to ensure that the trees are located to provide a minimum of 1.2m path between the building edge and the stem of the tree, however in most instances this is 1.8m width. The tree spacing also prevents them impeding on the movement of people along the side of the road or those crossing.
- The trees proposed should be specified to have a minimum 2m clear stem to retain clear pedestrian sight lines along the street and not obstruct movement. An Engineer would be required to confirm whether vehicular sight lines are impacted along the street from the introduction of trees.
- The trees (including root system) should be included in a landscape maintenance schedule, including an irrigation and pruning regime, to ensure they do not cause issues in the long term through lack of maintenance.
- This information should provide sufficient proof to the planners that this proposal is a feasible solution for wind mitigation for the proposed building

TREE PLANTING SPECIES LIST

OPTION 1

Species:
Carpinus betulus ‘Frans Fontaine’

Common Name: Hornbeam

Maximum Height: 15m

Maximum Spread: 4m

Minimum Clear stem: 2m

Seasonal Interest:

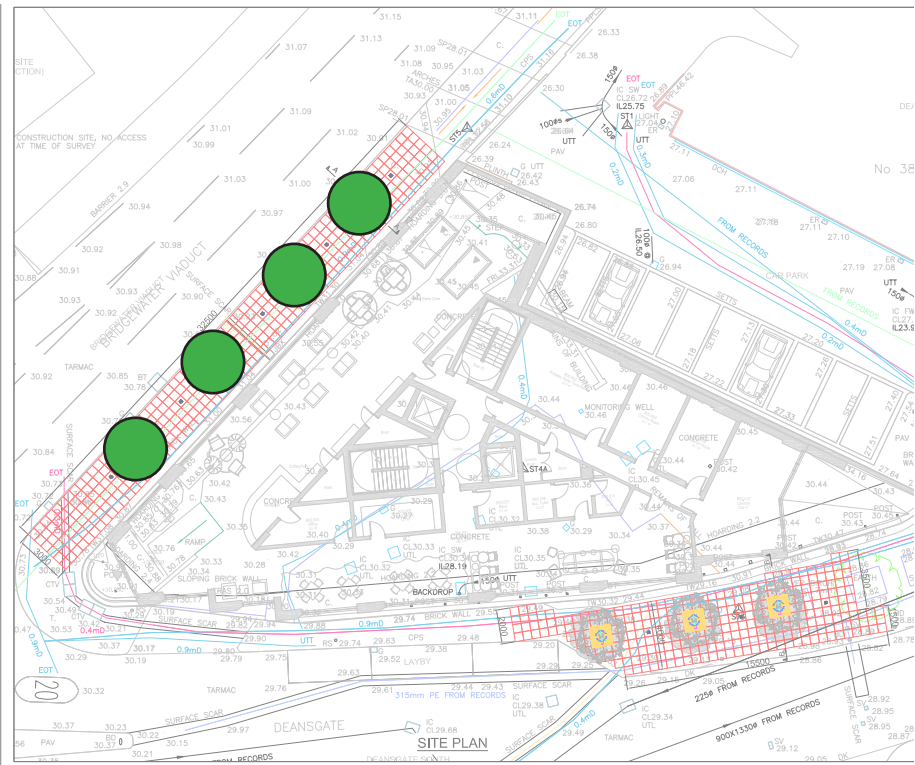
- Spring
- Summer
- Autumn
- Winter



Carpinus betulus ‘Frans Fontaine’



Carpinus betulus ‘Frans Fontaine’ leaf



Location 4 no. *Carpinus betulus* ‘Frans Fontaine’

Species:
Acer campestre ‘Streetwise’

Common Name: Maple

Maximum Height: 7m

Maximum Spread: 3m

Minimum Clear stem: 2m

Seasonal Interest:

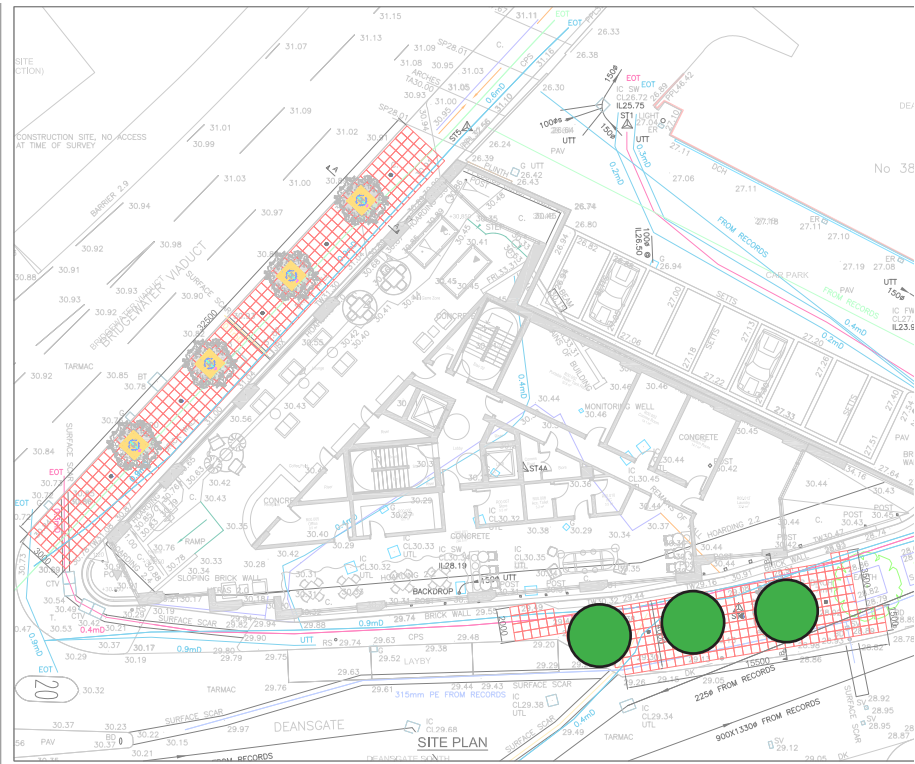
- Spring
- Summer
- Autumn
- Winter



Acer campestre ‘Streetwise’



Acer campestre ‘Streetwise’ leaf



Location 3 no. *Acer campestre* ‘Streetwise’

TREE PLANTING SPECIES LIST

OPTION 2

Species:
Quercus robur ‘Fastigiata Koster’

Common Name:
Fastigate Oak

Maximum Height: 20m

Maximum Spread: 2-3m

Minimum Clear stem: 2m

Seasonal Interest:

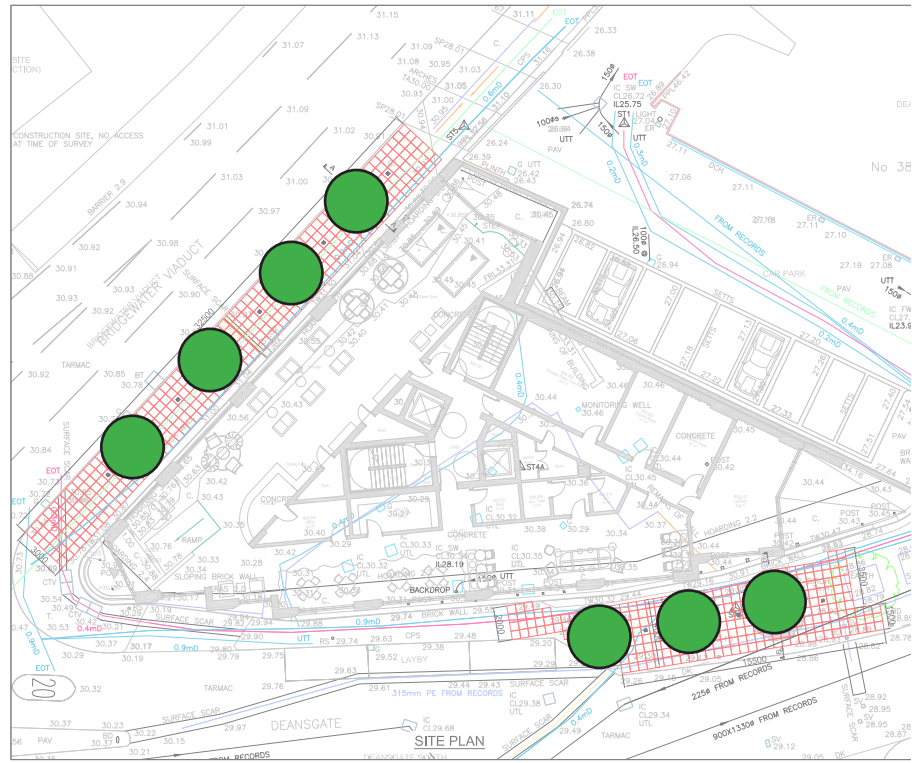
- Spring
- Summer
- Autumn
- Winter



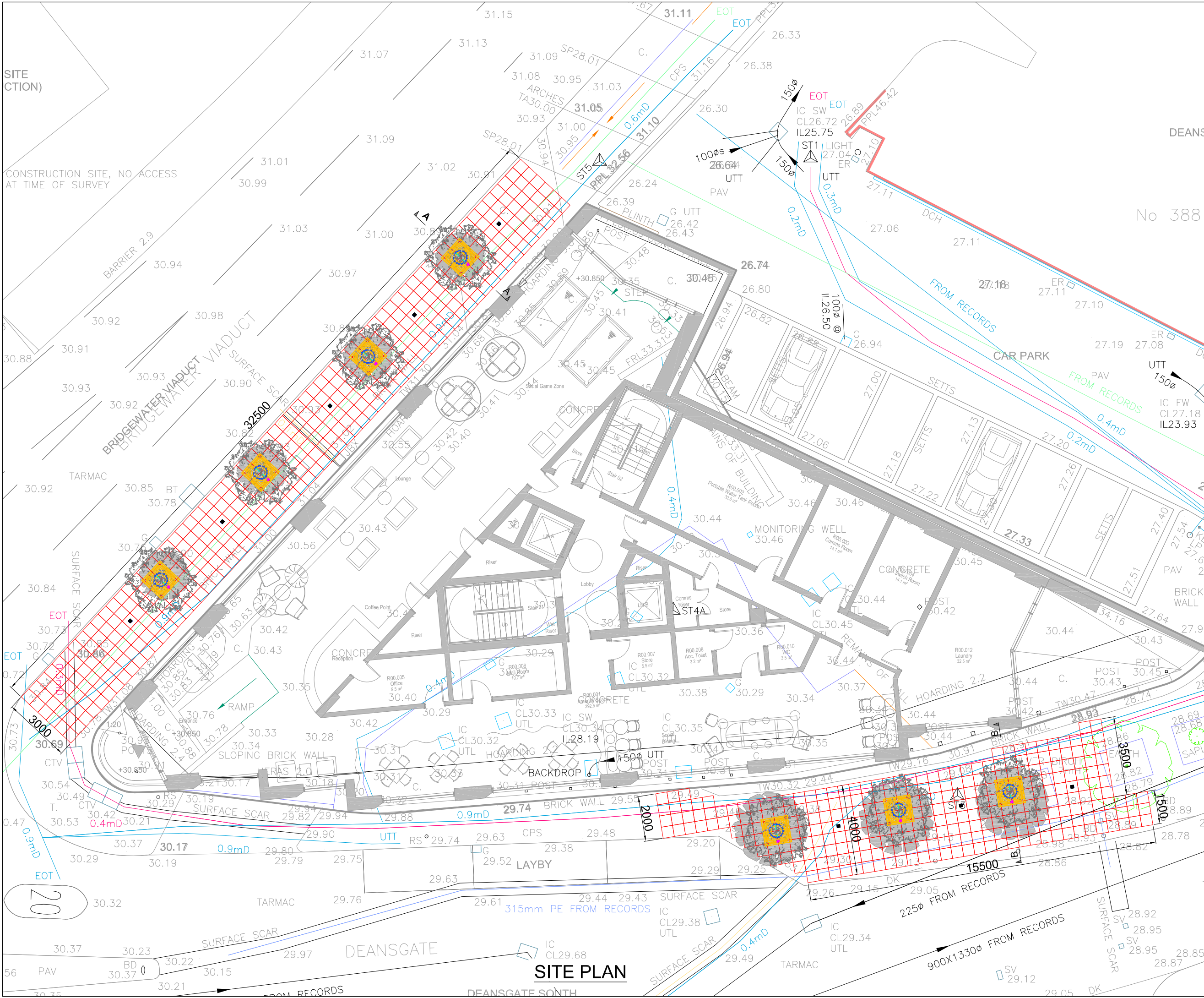
Quercus robur ‘Fastigiata Koster’



Quercus robur ‘Fastigiata Koster’ leaf

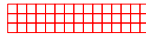


Location 4 no. *Quercus robur* ‘Fastigiata Koster’



- NOTES**
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
 2. GROUND INVESTIGATION SHOULD BE UNDERTAKEN PRIOR TO CONSTRUCTION STAGE. INFILTRATION TESTING TO BE UNDERTAKEN TO BRE365 STANDARDS AND MONITORING OF GROUND WATER LEVEL TO BE UNDERTAKEN TO ASSESS THE MAXIMUM WATER LEVEL.
 3. GREENBLUE PRODUCTS SHOWN IN THE COLORS ARE INDICATIVE ONLY ORIGINAL COLOR VARIES.

LEGEND

 PROPOSED GBU CELLS

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved
A	JUL 2021	FIRST ISSUE	BK	SF	SF	SF

FIRST ISSUE

CLIENT

SCHEME TITLE

GM11393

DRAWING TITLE

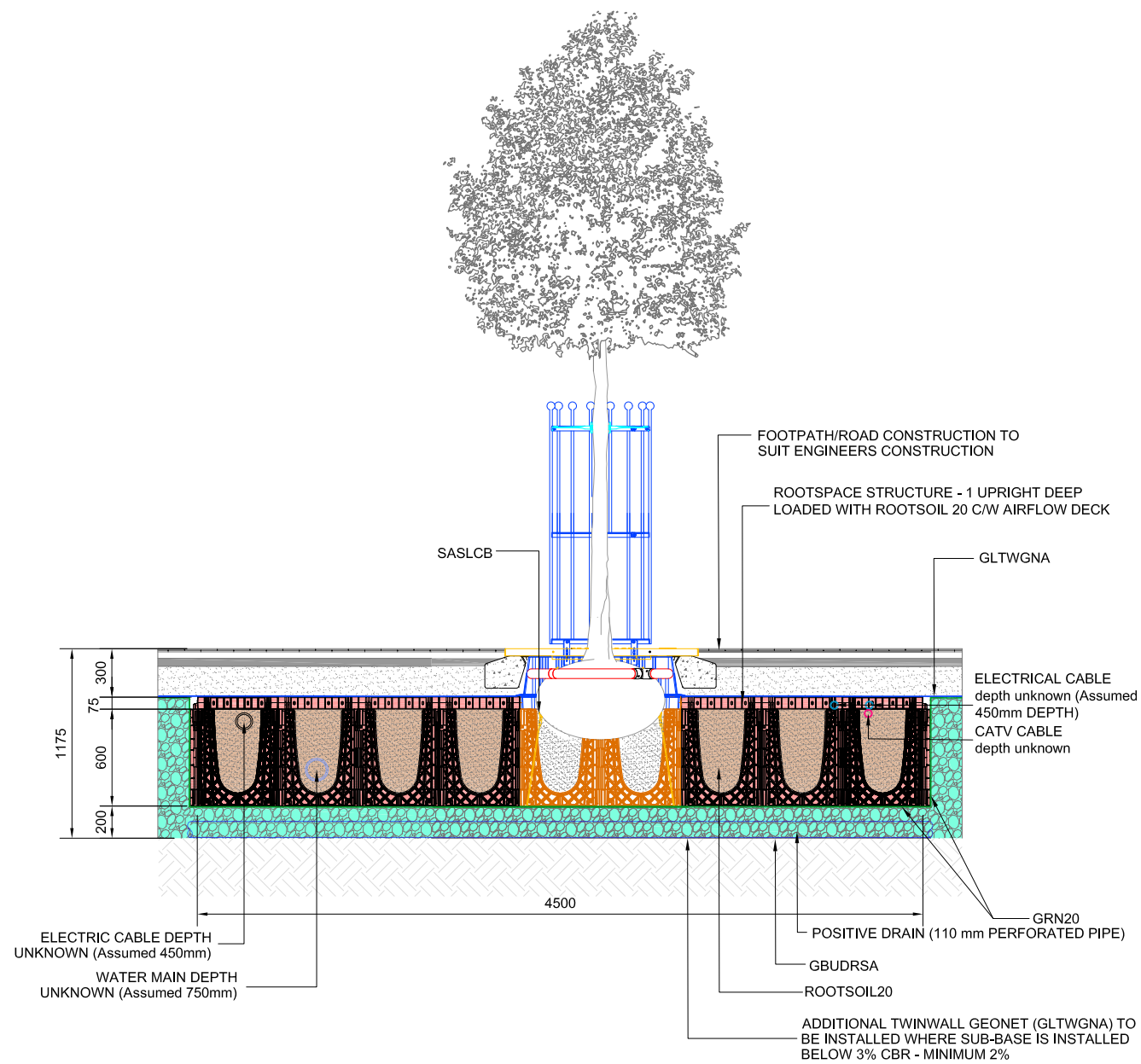
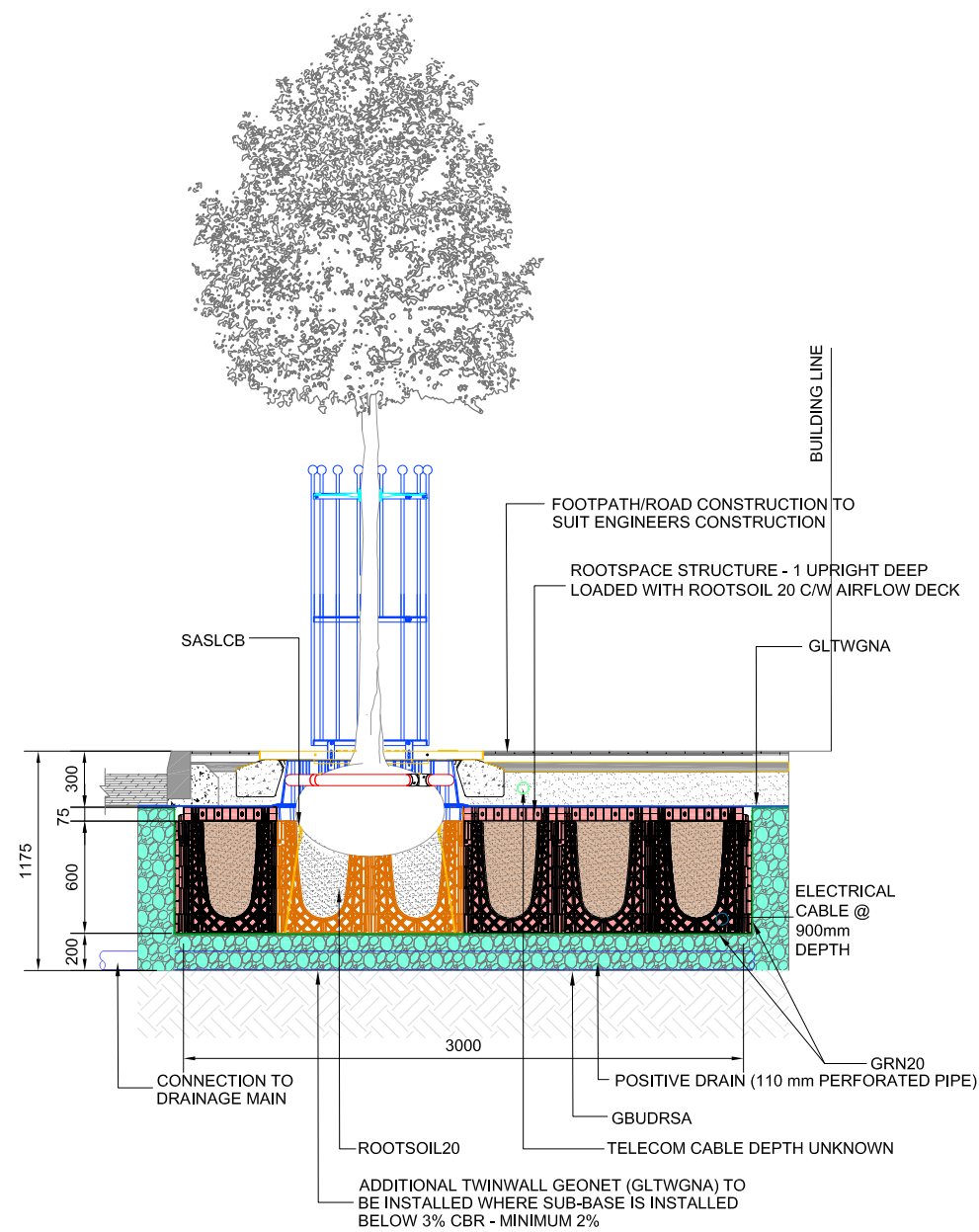
**PROPOSED TREE PIT PLAN
SHEET 1 OF 2**

DRAWING UNITS U.N.O.
ALL DIMENSIONS IN MILLIMETERS
UNLESS STATED OTHERWISE

DRAWING No. **GBU-GEN-3001**

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