

Tree Pit with In-situ Poured Porous Paving C100.07



DESIGN STATEMENT

Porous paving tree pit should be used for public spaces where high pedestrian traffic occurs. The surface around trees can be cleaned with cleaning vehicle.

This treatment should generally be used for more mature trees to avoid replanting which requires paving re-installation. For young trees temporary soft collar is required to allow calliper growth. Use of new trees with large calliper is recommended.

APPLICABLE LOCATION

In activity centres as specified.

COUNCIL STANDARD DRAWING

N/A

CROSS REFERENCE DOCUMENT

- AS1428.1-1998 (Australian specification & Standard design for access and mobility).

STANDARD SPECIFICATION

Colour: Blue Metal (grey) or Green Granite (green)

Aggregate size: 6mm

Edges: Provide steel edging for the asphalt pavement.

Cut out size: The size of the tree pit is decided on per case basis should be large enough to maximise water absorption.

For young trees: Install temporary soft collar from the same porous paving aggregate.

Other: Surface of the porous paving must sit flush with the surrounding pavement to avoid tripping hazard.

SUPPLIER

PermaPave www.permapave.com.au, Omnicrete www.omnicrete.com.au or similar.

MAINTENANCE

Open Space Maintenance Unit: Water of the newly planted trees periodically. Replace or repair porous paving and blue stone paver edge as required.

GENERAL NOTES

Porous paving installation:

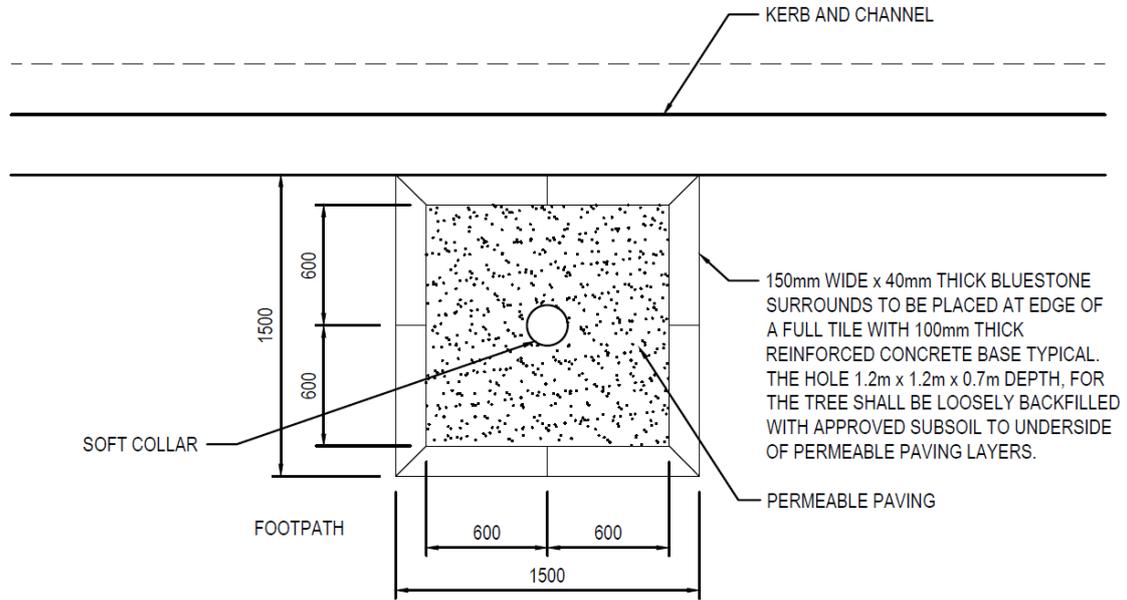
1. The hole for tree (1.2 x 1.2 x 0.7m depth), shall be loosely backfilled with approved subsoil to approximately 100mm below finished level.
2. Apply 70mm blue metal (10-12mm size) compacted to 70mm, leaving 30-40mm from finished surface level. Apply porous paving product with 30-40mm depth with a smooth finish to manufacturer recommendations.
3. For young trees a temporary soft collar to be installed around trunk. Soft collar must be from similar porous paving aggregate.

Other general notes:

- a. Locate services prior to setting out and excavation. Details of the underground services shall be obtained from tel. 1100 (Dial Before You Dig).
- b. All excavation to be undertaken by hand.
- c. Advanced trees to be approximately 2000mm high (40-50 litres container minimum).
- d. Apply 150 litres of water immediately after planting.
- e. apply 25 grams NPK (20:4:8) at planting per square metre of root zone, avoiding contact with roots.
- f. When specified, install 150x50 treated pine timber edging along the perimeter pine timber stakes spacing at 1000mm centres.
- g. Ensure absolute minimum of 1.2m footpath width is maintained at narrowest point.

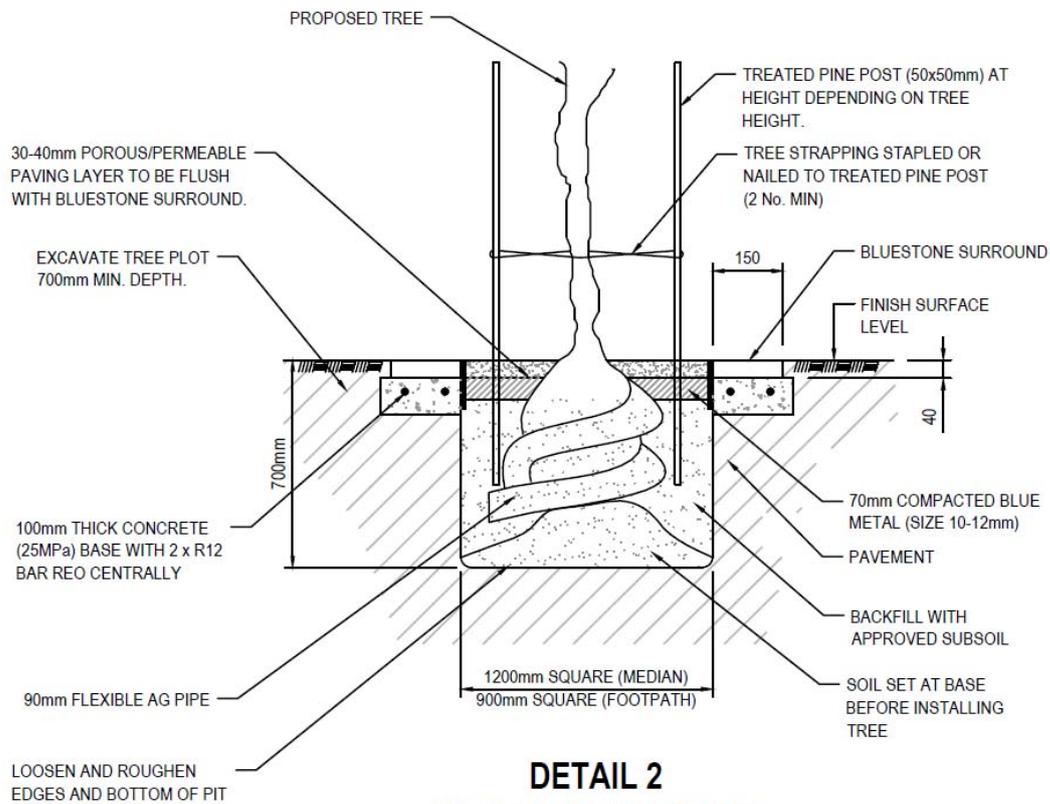


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DETAIL 1

TREE PLOT ARRANGEMENT IN BLUESTONE FRAMED



DETAIL 2

TREE PLOT ARRANGEMENT IN BLUESTONE FRAMED