

# 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. It can be the second stage after granitic stand for young trees. Temporary soft collar is required to allow calliper growth.

## 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](http://www.permapave.com.au), Omnicrete [www.omnicrete.com.au](http://www.omnicrete.com.au) or similar.

## MAINTENANCE

### Open Space Maintenance Unit:

Supplementary watering 3 times per week first four weeks then weekly September - May for first 3 years

Check stakes

Remove weeds

Replace dead or failing trees

## GENERAL NOTES

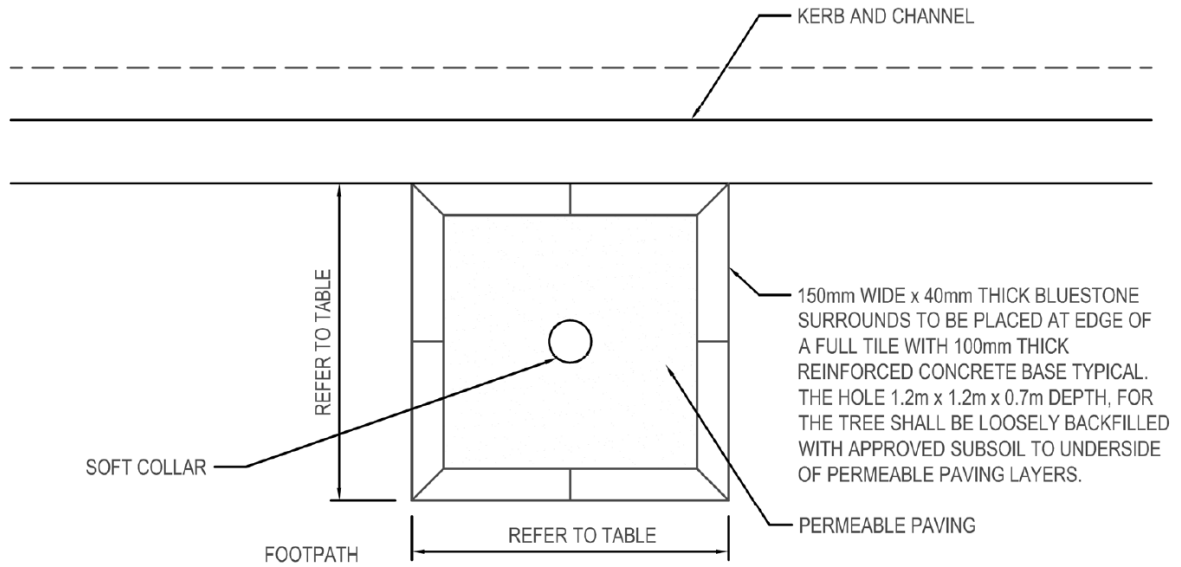
### Porous paving installation:

- 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.
- 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.
- For young trees a temporary soft collar to be installed around trunk. Soft collar must be from similar porous paving aggregate.

### Other general notes:

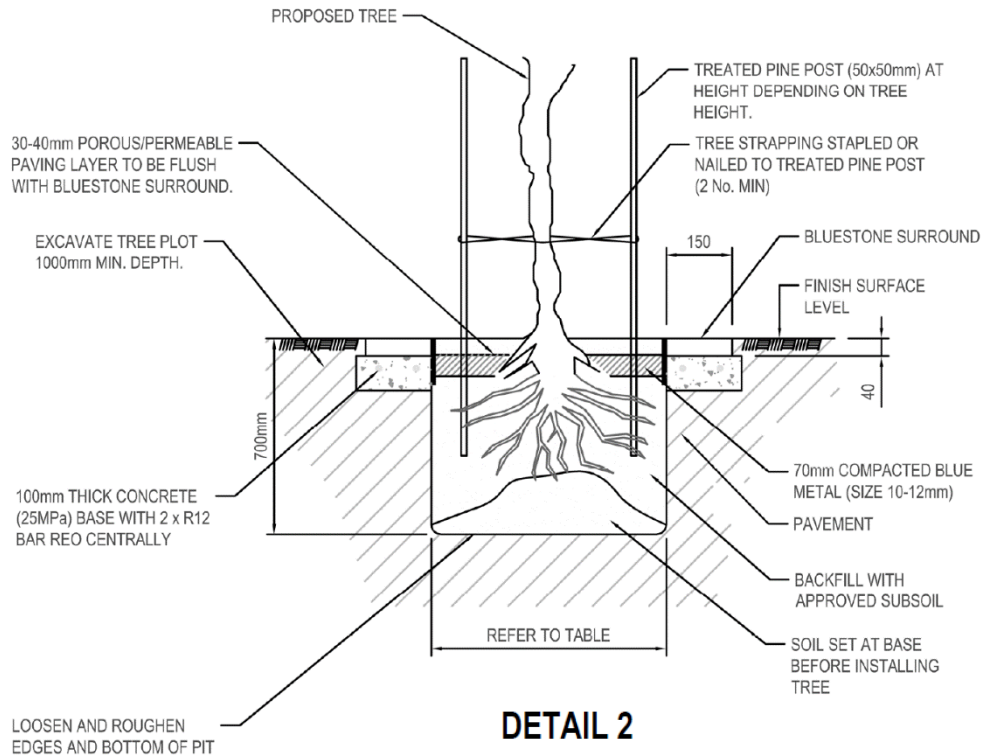
- Locate services prior to setting out and excavation. Details of the underground services shall be obtained from tel.1100 (Dial Before You Dig).
- All excavation to be undertaken by hand.
- Advanced trees to be approximately 2000mm high (40-50 litres container minimum).
- Apply 150 litres of water immediately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

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**DETAIL 1**

TYPICAL TREE PLOT DIMENSION	
Small Tree	1200mm wide x 1200mm length, 1.2m <sup>2</sup>
Medium Tree	1700mm wide x 1700mm length, 2.9m <sup>2</sup>
Large Tree	2200mm wide x 2200mm length, 4.85m <sup>2</sup>



**DETAIL 2**