

## ON SLAB PODIUM PLANTING DETAIL

This detail had been derived from the Brisbane City Council Standard Drawing BSD-9004 and designed around the specifications presented in Haege, E. and Leake, S., 2014. Soils For Landscape Development. CSIRO Publishing.

**Specification E1: On slab soil media 'A' horizon**  
**Specification E2: On slab soil media 'B' horizon**

**IRRIGATION** to be supplied at a volume to be determined to fulfill the long-term needs of the plant material, delivered by sub-surface irrigation spears and at a frequency that avoids wilting point.

**MAINTENANCE** of podium planters should be accessible from surrounding surfaces. Where height and of width restricts access, safety anchors should be provided for use by maintenance crew. Ongoing maintenance should be undertaken including regular inspection of the irrigation and drainage system, fertilising, topping up of mulch and soil, pruning, pest and disease control.

Proposed minimum planter depths should be as follows:

Trees:	1200mm
Large Shrubs and Palms:	800mm
Small Shrubs and Groundcovers:	600mm

The volume of planting media shall be of sufficient capacity to ensure the long term health and vigor of plants. The volume of planting media for trees shall be calculated as follows:

Planting media (m<sup>3</sup>) = 0.6 x drip line area in m<sup>2</sup> (canopy projection) at tree maturity.

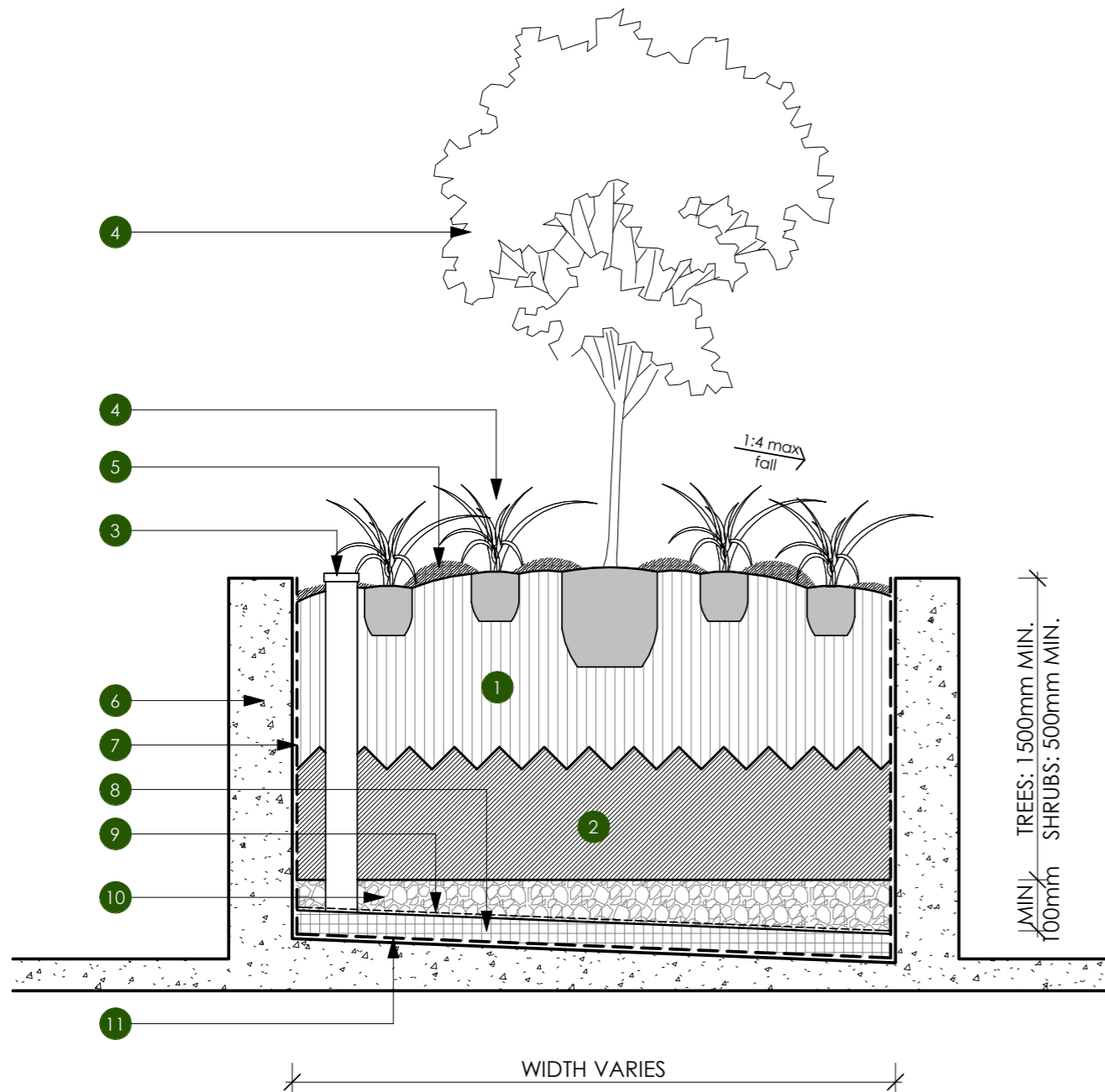
For planters containing trees, the minimum internal width of planters shall be equal to the canopy spread at maturity.

- 1 UltraGrow On Slab A Podium Soil with a volume sufficient to ensure the long term health and vigor of all plants. UltraGrow On Slab A Podium Soil should be installed to a maximum depth of 500mm - mounded to a maximum grade of 1:4.
- 2 UltraGrow On Slab B Podium Soil where required.
- 3 Inspection opening - 100mm diameter PVC pipe with cap and installed at a maximum of 10m centers at 150mm from planter edge.
- 4 Planting as specified by a suitably qualified professional. Trees must be of a form and species that can withstand podium wind loads at maturity. Trees shall be secured in place during the establishment period either with hardwood stakes and Hessian ties or with an in ground anchoring system depending on the site specific conditions and tree stock sizes. As advised by a suitably qualified professional. Stakes shall be removed at the completion of the landscape establishment period.

Ensure that the root balls of all plants have been thoroughly moistened prior to planting.

Water within 30 minutes after planting.

- 5 Organic mulch - Red Cypress Mulch.
- 6 Planter to designer/structural engineer detail.
- 7 Waterproofing membrane to all planter surfaces in accordance with engineers advice.
- 8 Atlantis Drainage Cell installed as per manufacturers instruction.
- 9 Geotextile A12 layer between sand and drainage cell.
- 10 Minimum 100mm thick layer of washed river sand.
- 11 Planter flood to be sloped to a minimum 1:50 fall to stormwater outlet. Drainage to future engineer details.



## ON SLAB PODIUM PLANTING DIAGRAM

