Tree as required, refer to General Notes.

Layer of approved geotextile to separate gravel from topsoil.

100mm dia. perforated PVC pipe with top capped and filter fabric surround as per BSD-2001. Refer to Tree Grate Frame detail.

Adjacent surface as specified.

Note: Verify location of services prior to excavation of tree hole.

Tree grate as specified.

Backfill soil, refer to general notes for specification.

10–20mm drainage gravel, 150mm depth.

Kerb and channel. Refer to BSD-2001.

Modular soil cell system to support rootball. Extent of required area depends upon size of rootball and local constraints.

20mm dia. gravel in 150mm deep drainage layer. Fall subgrade to AD pipe.

Subsurface drainage as specified in 300x300mm gravel trench all wrapped in approved geofabric.

GENERAL NOTES

1. For tree grate style and locations for use refer to the Infrastructure Design Planning Scheme Policy.

2. Ensure tree grate has minimum load rating of class B (class C desired) as AS 3996.

3. Tree species to be selected as per Infrastructure Design Planning Scheme Policy (Chapter 5).

4. Tree pit to be installed to full depth and width.

5. Ensure services have been located prior to excavation. If tree location conflicts with service consult with service provider.

6. Where possible incorporate W5.0 detail to capture street water. Refer to BSD-9001.

7. Location of tree grate can vary depending on width of footpath. Refer to Infrastructure Design Planning Scheme Policy (Chapter 5) for footpath layouts.

8. Advanced trees to have appropriate anchor beneath surface.

9. Refer to BSD-5202 for concrete and reinforcing mesh details a.s.o.

10. Backfill soil blend to conform to the following AS 4419 spec as:

   - no greater than 20% screened well composted organic matter content by volume
     - 5.5–7.5 pH
     - 0.7–1.0 kg/L or gr/cm³ bulk density
     - approx 60% by volume screened topsoil
     - approx 10% 2–5mm washed sand (to enhance CEC)
     - approx 10% medium (œ 2–1.0mm) river sand
   - achieving no greater than 30–50cm ¹/² hydraulic conductivity, 10–20% water holding capacity, and no greater than 25% electrical conductivity (saturation)
   - blend to be no greater than 5°C above ambient temperature

11. Modular soil cell is to be structurally certified to carry loads of 15k minimum. Cell is to provide at least 50% tree soil volume, with positive vertical and lateral interlocks (and have a minimum of 150mm gaps to allow for root growth) installed as per manufacturer's instructions. Cells are to be backfilled with backfill soil blend as specified above.

12. Top of rootball to be equal to top of backfill soil.