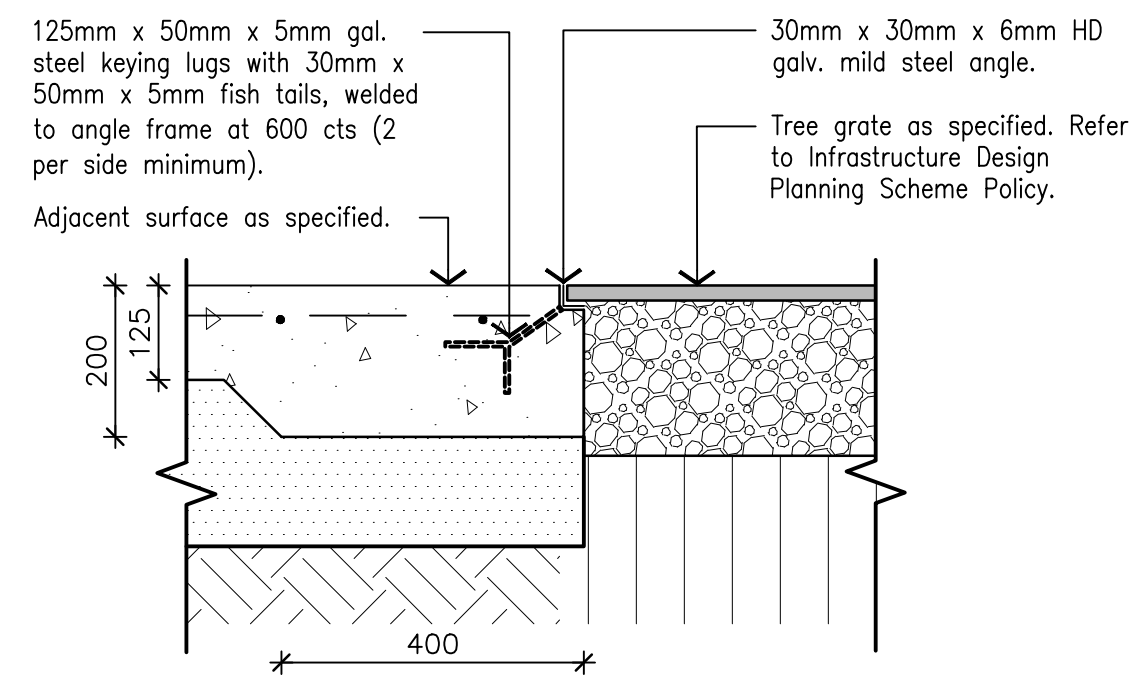
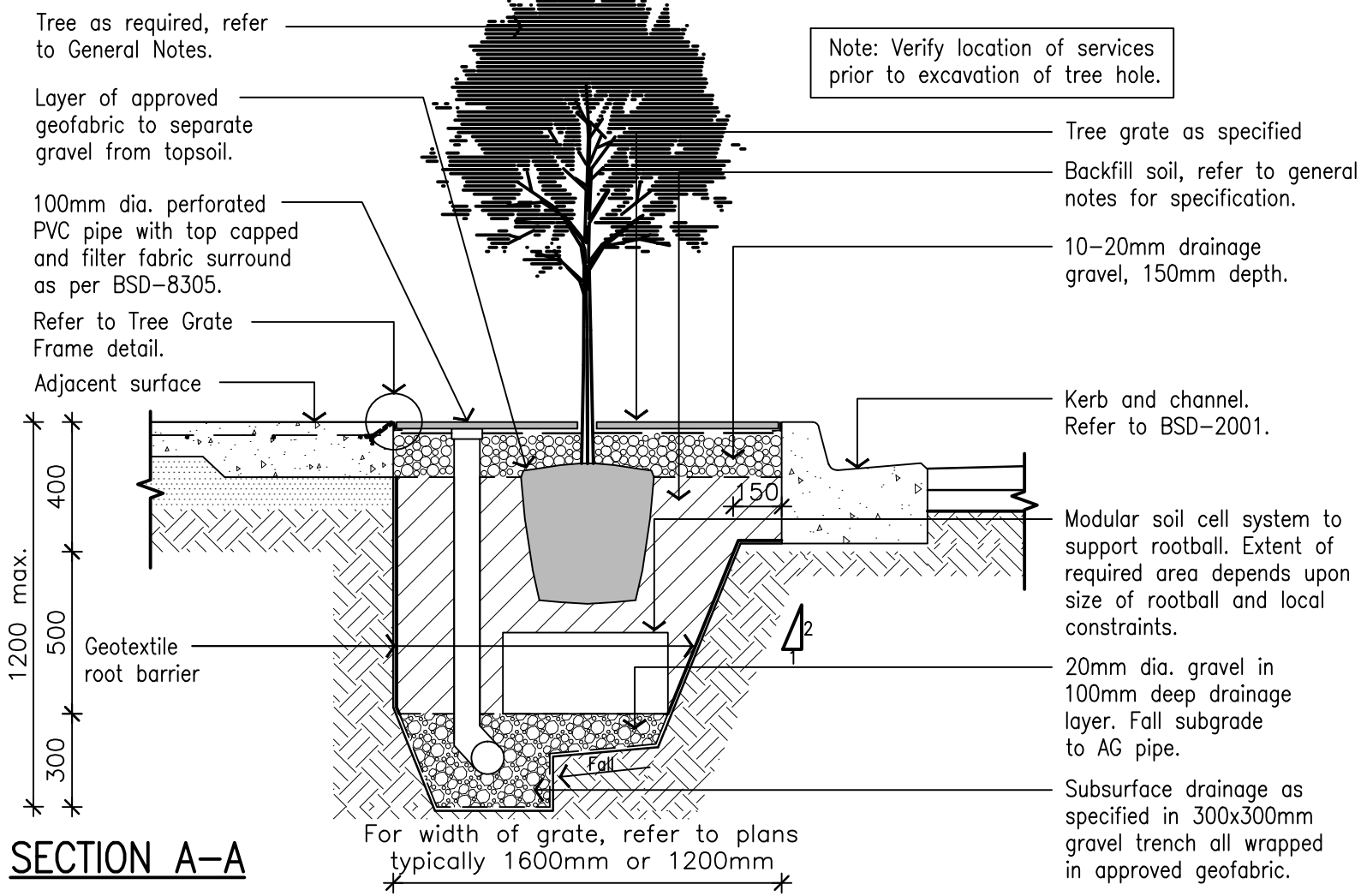


**PLAN**



**TREE GRATE FRAME DETAIL**



**SECTION A-A**

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

**GENERAL NOTES**

- For tree grate style and locations for use refer to the Infrastructure Design Planning Scheme Policy.
- Ensure tree grate has minimum load rating of class B (class C desired) to AS 3996.
- Tree species to be selected as per Infrastructure Design Planning Scheme Policy (Chapter 5).
- Tree pit to be installed to full depth and width.
- Ensure services have been located prior to excavation. If tree location conflicts with service consult with service provider.
- Where possible incorporate WSUD detail to capture street water. Refer to BSD-9031.
- Location of tree grate can vary depending on width of footpath. Refer to Infrastructure Design Planning Scheme Policy (Chapter 5) for footpath layouts.
- Advanced trees to have appropriate anchor beneath surface.
- Refer to BSD-5202 for concrete and reinforcing mesh details u.n.o.
- Backfill soil blend to conform to the following AS 4419 specs:-
  - no greater than 20% screened well composted organic matter content by volume
  - 5.5-7.5 pH
  - 0.7-1.0 kg/L or gm/cm<sup>3</sup> bulk density
  - approx 60% by volume screened topsoil
  - approx 10% 2-3mm washed deco (to enhance CEC)
  - approx 10% medium (.25-1.0mm) river sand
  - achieving no greater than 30-50cm /hr hydraulic conductivity; 15-20% water holding capacity; and no greater than 2dS/m electrical conductivity (salinity)
  - blend to be no greater than 5°C above ambient are temp
- Modular soil cell is to be structurally certified to carry loads of 10t minimum. Cell is to provide at least 90% free soil volume, with positive vertical and lateral interlocks (and have a minimum of 100mm gaps to allow for root growth) installed as per manufacturer's instructions. Cells are to be backfilled with backfill soil blend as specified above.
- Top of rootball to be equal to top of backfill soil.

**STRUCTURAL DESIGN REVIEWED AND CERTIFIED FOR ISSUE**  
 NAME: B. BALAKUMAR RPEQ: 3963  
 SIGNATURE: SIGNATURE ON ORIGINAL DATE: 28/07/10

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
B	Updated Superseded Reference in Notes 1, 3, 7 & Dwg Details	MAY '17	MAY '17	MAY '17
A	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14

**DRAWING AUTHORISED FOR PUBLICATION**  
 P. COTTON SIGNATURE ON ORIGINAL  
 ASSET ENGINEERING MANAGER  
 STRATEGIC ASSET MANAGEMENT  
 DESIGN APPROVED  
 V. MARTIN SIGNATURE ON ORIGINAL  
 DATED 06/9/10  
 PRINCIPAL OFFICER  
 URBAN DESIGN UNIT

DESIGN	Std Dwg	WG	DATE	JUN '10
DRAWN	CP0 - P&D		DATE	JUN '10
CHECKED	D. K.		DATE	JUN '10
DRAWING FILENAME	BSD-9008 (A) Tree pit with grate.dwg			
ASSOCIATED PLANS	SUPERSEDES UMS-516			



**BRISBANE CITY COUNCIL STANDARD DRAWING**

**TREE PIT WITH GRATE**

SCALE: NOT TO SCALE  
 DWG No. **BSD-9008**  
 ORIGINAL SIZE: A3 REVISION: B