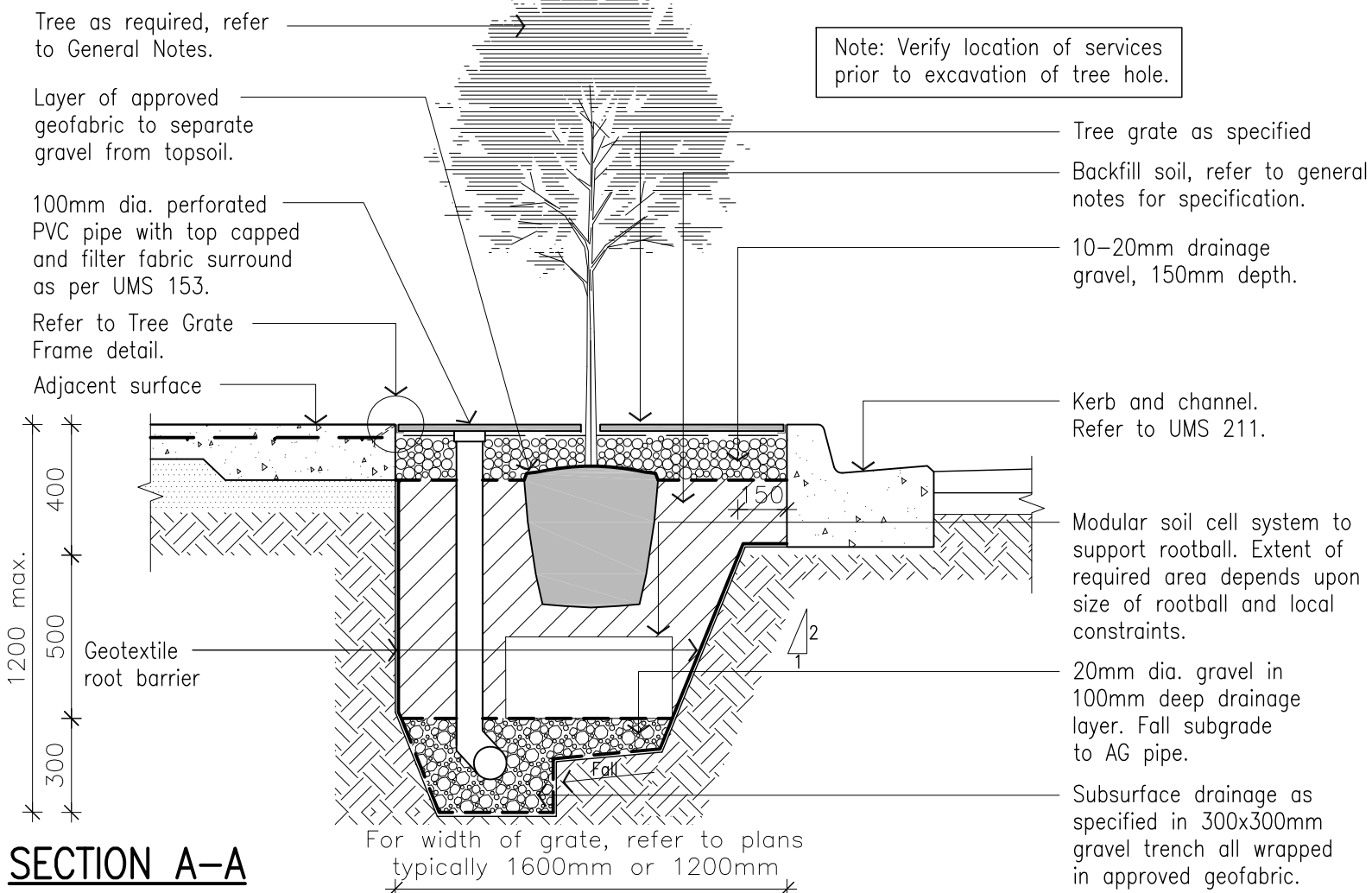
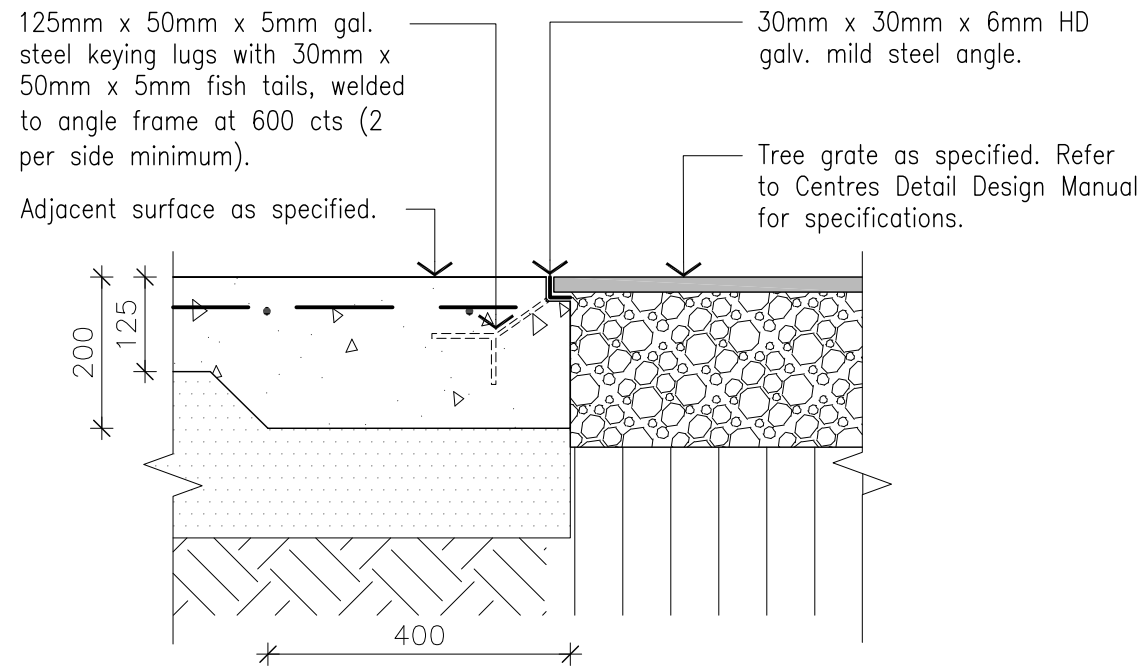


PLAN



SECTION A-A



TREE GRATE FRAME DETAIL

GENERAL NOTES

- For tree grate style and locations for use refer to the Centres Detail Design Manual.
- Ensure tree grate has minimum load rating of class B (class C desired) to AS 3996.
- Tree species to be selected as per Centres Detail Design Manual.
- 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 UMS 570.
- Location of tree grate can vary depending on width of footpath. Refer to Centres Detail Design Manual for footpath layouts.
- Advanced trees to have appropriate anchor beneath surface.
- Refer to UMS 232 for concrete and reinforcing mesh details u.n.o.
- Backfill soil blend to conform to the following AS 4419 specs:-
- 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/cm³ 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	NOTE AMENDMENTS	OCT '11	OCT '11	OCT '11
A	ORIGINAL ISSUE	JUN '10	JUN '10	JUN '10

DESIGN AUTHORISED FOR ISSUE			
P. COTTON SIGNATURE ON ORIGINAL			
MANAGER CITY ASSETS, R.P.E.Q: 2 5 4 6			
DESIGN APPROVED			
V. MARTIN SIGNATURE ON ORIGINAL DATED 06/9/10			
PRINCIPAL OFFICER URBAN DESIGN UNIT			
DESIGN	BAS	DATE	JUN '10
DRAWN	PRM	DATE	JUN '10
CHECKED	D.K. SIGNATURE ON ORIGINAL 28-07-10	DATE	JUN '10
DRAWING FILENAME	UMS 516		
ASSOCIATED PLANS			



BRISBANE CITY COUNCIL STANDARD DRAWING

TREE PIT WITH GRATE

SCALE: NOT TO SCALE
 DWG No. **UMS 516**
 ORIGINAL SIZE: A3 REVISION: B