

Part C - Precinct Plans

8. Southern CBD

This precinct is bounded by George, Liverpool and Elizabeth Streets and Eddy Avenue. The area's topography falls away from the central business district towards Central Railway Station. Belmore Park, Central Railway Station and the Capitol Theatre are major destinations located with the precinct that encourage pedestrian movement.

8.1 Precinct objectives

General

- Improve pedestrian amenity and linkages between adjacent precincts by street tree planting.
- Respect the character of borrowed landscape of Belmore Park.

Special

- To develop opportunities for in-road or blister planting.

8.2 Precinct conditions

Existing street trees

This area has a mixed tree population that currently provides limited landscape amenity. There is an exception where successful mature Plane trees in Pitt Street South frame the view to the Central Railway Station clock tower. George Street also has established London Planes forming a major boulevard for the southern entrance of the city. There are some streets where there are no street trees due to major service and awning constraints. Here the overall streetscape amenity is poor.

Current dominant species

<i>Lophostemon confertus</i>	Brush Box
<i>Platanus acerifolia</i>	Plane Tree
<i>Liquidambar styraciflua</i>	Liquidambar
<i>Fraxinus pennsylvanica</i>	Green Ash

Built form and road widths

The precinct has a mix of heritage buildings and office and residential towers. There are major awning constraints in some streets such as Pitt and Elizabeth that preclude large scale street tree planting. The monorail runs along most of Liverpool Street and constrains street tree planting.

Microclimate

Due to the surrounding architecture and the narrow scale of the streets, heavy shade is evident in north-south streets such as Pitt Street and Castlereagh Street. Wind tunneling is a major limiting factor in this precinct.

Geological conditions

The Central Railway Station site and part of Belmore Park consists of Hawkesbury sandstone and Wianamatta shale formations.

Soil conditions

Parts of the precinct are located on fill from railway tunnel excavations.

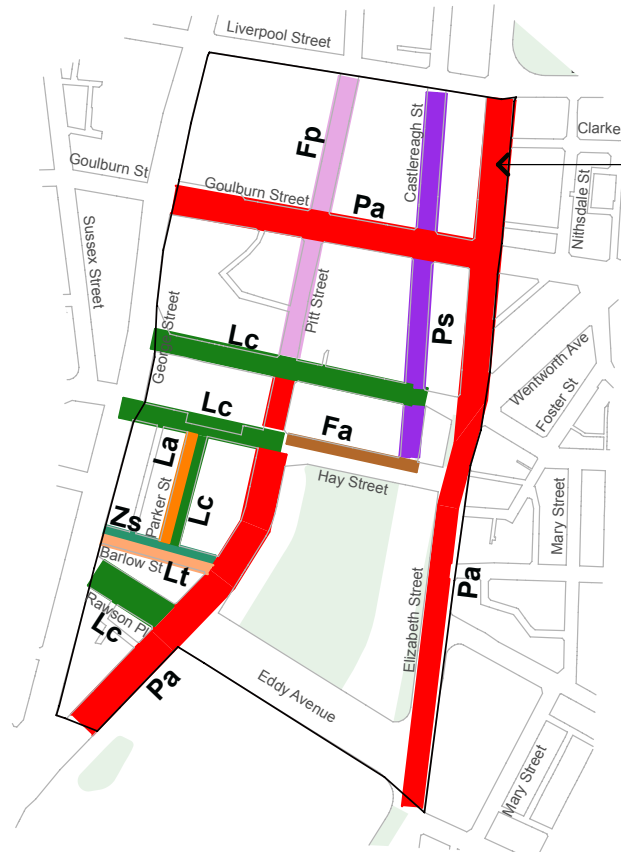
8.3 Proposed Primary Tree Species Palette

Common Name	Species
Brush Box	<i>Lophostemon confertus</i>
Crows Ash	<i>Flindersia australis</i>
Japanese Zelkova	<i>Zelkova serrata</i> 'Green Vase'
London Plane	<i>Platanus acerifolia</i>
Green Ash	<i>Fraxinus pennsylvanica</i>
Liquidambar	<i>Liquidambar styraciflua</i>
Tulip Tree	<i>Liriodendron tulipifera</i>
Simon Poplar	<i>Populus simonii</i>
Cabbage Tree Palm	<i>Livistona australis</i>



Figure 57- Established avenue of London Plane trees in Pitt Street south. (Photo Arterra)

Precinct 8 Southern CBD




SPECIES LEGEND

Evergreen

Lc  *Lophostemon confertus*
(Brush Box)

Deciduous

Fa  *Flindersia australis*
(Crows Ash)

Fp  *Fraxinus pennsylvanica*
(Green Ash)


Lt  *Liriodendron tulipifera*
(Tulip Tree)

Pa  *Platanus acerifolia*
(London Plane)

Ps  *Populus simonii*
(Simons Poplar)

Zs  *Zelkova serrata* 'Green Vase'
(Japanese Zelkova)

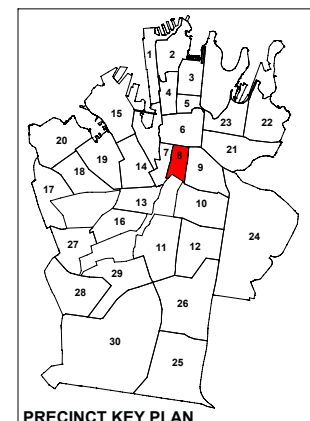
Palms

La  *Livistona australis* / *Washingtonia robusta*
(Cabbage Tree Palm/ Mexican Fan Palm)

LEGEND



Public open space



PRECINCT KEY PLAN

