

# 5.11 Sydenham & St Peters

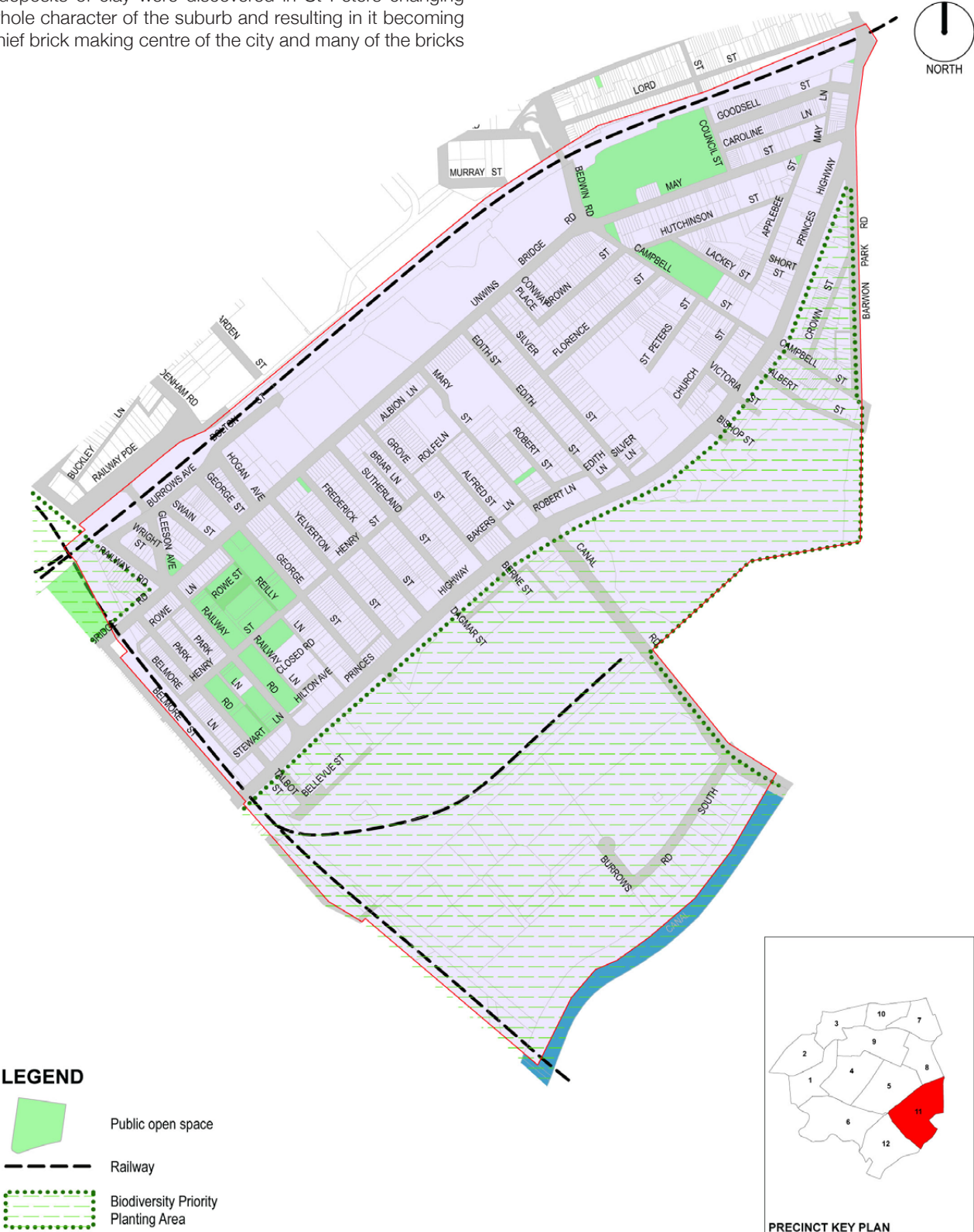
## History and Context

Sydenham & St Peters is a large precinct located to the south east of the municipality. The precinct primarily consists of a large industrial area to the south east, with a defined residential area to the north west. Due to the close proximity of the precinct to the airport, aircraft noise has been an issue for the area. Sydenham Green is a major park in the area, created in the 1990s as a result of the demolition of about 150 homes by the Commonwealth Government, which were deemed to be uninhabitable due to aircraft noise.

Vast deposits of clay were discovered in St Peters changing the whole character of the suburb and resulting in it becoming the chief brick making centre of the city and many of the bricks

and tiles used in houses in the expanding Sydney suburbs came from these brickworks. This period marked the change of St Peters from native woodlands with scattered houses of its early days to a very industrialised area with utilitarian 'workers cottages'. The site of the former brickworks was converted to parkland in the 1980's and is now known as Sydney Park.

The area is bounded by the railway line in the north and west, King Street, Barwon Park Road, the City of Sydney, Canal Road, Ricketty Street and the Alexandra Canal in the east, and the railway line and Belmore Street in the south.



### Physical Influences

Sydenham & St Peters at 177ha (11.0% of total area) is the second largest precinct, however it has the second lowest number of street trees (approximately 1,180 trees, that is 5.23% of total street trees). This is a direct result of the relatively large areas turned over to industrial, large lot commercial and railway uses. The street typology consists of a range of street widths, with most streets with a verge between 1.8-3.5m or less than 1.8m wide.

The precinct is relatively flat or gently undulating, dominated by the shale derived clay soils to the northern side of the precinct, with some highly disturbed soil profile areas to the south that were previously swamps or wetland areas, where the quality and origin of the soil is largely unknown.

### Existing Streetscape Character

The canopy cover across the precinct is relatively sparse, with most trees that are planted being small trees. The over reliance on *Callistemon viminalis* (Bottlebrush) is greatest in this precinct and contributes to a quarter (25.49%) of the total species mix. The opportunity for planting larger trees is very dependent on the verge width. Of the trees in the precinct 48.26% are considered to be in good condition, with over 50% considered to be in only fair or poor condition. These figures could well be a reflection of previously limited tree pit preparation and relatively harsh urban environment.

Sydenham & St Peters is defined by:

- Close proximity to the airport, making aircraft noise an issue
- Clearly defined industrial areas to the eastern side of the Princes Highway, and a residential area to the western side of the Princes Highway.
- An over reliance on *Callistemon viminalis* (Bottlebrush).
- Opportunity to plant more (and larger) trees, particularly along some of the industrial areas, eg. Canal Road and Burrows Road South and Princes Highway.
- An identified biodiversity priority planting area located along the southern side of the precinct.

### Current Dominant Species

Botanical Name	No. of trees	Percentage (%)
<i>Callistemon viminalis</i>	301	25.49%
<i>Melaleuca bracteata</i>	145	12.28%
<i>Fraxinus griffithii</i>	143	12.11%
<i>Pyrus calleryana</i>	69	5.84%
<i>Tristaniopsis laurina</i>	62	5.25%
Proportion of total species mix	720	60.97%
Total number of trees	1181	100.00%

### Precinct Objectives

- To enhance the streetscape with street trees of appropriate scale and form.
- To respect the established and desirable street tree characters.
- To reinforce the residential character through a mix of deciduous and evergreen tree planting that respond to the street typology.
- To reduce the heavy reliance on *Callistemon viminalis* (Bottlebrush).
- To increase the number of street trees and canopy coverage in the precinct.



Figure 5.23- Many streets have narrow footpaths and overhead wires and tree planting is difficult, for example in Edith Street, St Peters (Photo Arterra)

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Street Name	Power Lines	Verge Type	Existing Dominant	Proposed Species	Key Observations
Albert Street	Overhead (Even)	Small (<1.8-3.5m)	<i>Tristaniopsis laurina</i>	<i>Tristaniopsis laurina, Angophora hispida, Synoum glandulosum</i>	Biodiversity priority planting area. Very narrow street.
Alfred Street	Overhead (Odd)	Narrow (<1.8m)	<i>Fraxinus griffithii</i>	<i>Melaleuca bracteata (opposite wires) Fraxinus griffithii (under wires)</i>	Very narrow verge and street. Mostly young and semi mature plantings of Fraxinus.
Applebee Street	Overhead (Even)	Narrow (<1.8m)	-	-	Very narrow one way street. Only one tree on street. Suggest no planting.
Barwon Park Road	ABC	Small (<1.8-3.5m)	<i>Lophostemon confertus</i>	<i>Syzygium paniculatum, Angophora floribunda (opposite wires) Tristaniopsis laurina, Angophora hispida (under wires)</i>	Biodiversity priority planting area. Switch to overhead lines to end closest to Princes Hwy
Bedwin Road	ABC	Small (<1.8-3.5m)	<i>Pyrus calleryana cv.</i>	<i>Pyrus ussuriensis</i>	Variable verge width. Continue with Pear theme.
Bellevue Street	None or UG	Small (<1.8-3.5m)	<i>Banksia integrifolia</i>	<i>Corymbia eximia</i>	Biodiversity priority planting area. Planting possible to one side only. Opportunity to plant larger tree and increase width of grass verge.
Belmore Lane	None or UG	Narrow (<1.8m)	-	-	Limited space for tree planting. Recommend no planting.
Berne Street	None or UG	Narrow (<1.8m)	-	-	No existing trees. Limited space, recommend no tree planting.
Bishop Street	None or UG	Small (<1.8-3.5m)	-	<i>Eucalyptus paniculata</i>	Biodiversity priority planting area. Very short street. Planting opportunity with previous cut holes on one side. Currently no existing street trees.
Bolton Street	None or UG	Small (<1.8-3.5m)	<i>Pyrus calleryana cv.</i>	<i>Lophostemon confertus (in blisters and grass verge)</i>	Opportunity for a larger tree.
Brown Street	Overhead (Even)	Narrow (<1.8m)	Mixed	<i>Zelkova serrata 'Green Vase' (opposite wires) Tristaniopsis laurina (under wires)</i>	Narrow street and verge
Burrows Avenue	Overhead (Even)	Small (<1.8-3.5m)	-	<i>Tristaniopsis laurina (under wires)</i>	No existing trees. Tree planting possible on one side (beneath power lines)
Burrows Road South	None or UG	Small (<1.8-3.5m)	Mixed	<i>Eucalyptus microcorys, Callistemon salignus</i>	Biodiversity priority planting area. Taller planting opportunities along street. Consider trucks and canopy clearance. Some overflow parking on verge.
Campbell Street	Overhead (Even)	Narrow (<1.8m)	-	-	Currently no trees, very narrow street and verge. Busy thoroughfare.
Canal Road	ABC	Small (<1.8-3.5m)	<i>Corymbia maculata</i>	<i>Corymbia maculata (eastern side) Elaeocarpus reticulatus, Tristaniopsis laurina (western side)</i>	Biodiversity priority planting area. Existing row of Spotted Gums, opportunity for more trees under ABC. Variable width along road, busy arterial road. Combination of overhead and underground wires along road.
Church Street	Overhead (Even)	Narrow (<1.8m)	-	-	A very narrow street and verge with no existing street trees. Recommend no planting.
Council Street	Overhead (Even)	Narrow (<1.8m)	-	-	No existing trees. Narrow, one way street and verge. Camdenville Oval on street. Suggest planting in park and not in verge.
Crown Street	Overhead (Even)	Narrow (<1.8m)	<i>Auranticarpa rhombifolia Cupaniopsis anacardioides</i>	<i>Cupaniopsis anacardioides (opposite wires) Angophora hispida, Synoum glandulosum (under wires)</i>	Very narrow one-way street. Pittosporum not looking great under wires. Commercial area closest to Campbell Street.
Edith Street	Overhead (Odd)	Narrow (<1.8m)	Mixed	<i>Melaleuca bracteata (opposite wires) Banksia integrifolia (under wires)</i>	Very narrow street and verge. Variable verge width.

11 SYDENHAM & ST PETERS (cont.)					
Street Name	Power Lines	Verge Type	Existing Dominant	Proposed Species	Key Observations
Florence Street	Overhead (Odd)	Narrow (<1.8m)	<i>Callistemon viminalis</i> cv.	<i>Koelreuteria bipinnata</i> (opposite wires) <i>Leptospermum petersonii</i> (under wires)	Narrow street and verge
Frederick Street	Overhead (Odd)	Narrow (<1.8m)	<i>Melaleuca bracteata</i> <i>Callistemon viminalis</i> cv.	<i>Tristaniopsis laurina</i> (opposite wires) <i>Lagerstroemia indica</i> (under wires)	Similar theme to Sutherland Street.
George Street	Overhead (Even)	Narrow (<1.8m)	<i>Fraxinus griffithii</i> <i>Callistemon viminalis</i> cv.	<i>Corymbia eximia</i> (opposite wires - between Unwins Bridge Rd & Burrows Rd) <i>Buckinghamia celsissima</i> (opposite wires) <i>Banksia integrifolia</i> (under wires)	Existing Fraxinus under wires working well.
Gleeson Avenue	Overhead (Even)	Small (<1.8-3.5m)	-	<i>Lophostemon confertus</i> (western side)	Space for medium sized tree on odd side of street.
Goodsell Street	ABC	Small (<1.8-3.5m)	Mixed	<i>Waterhousea floriunda</i> 'Green Avenue' (in road) <i>Sapium sebiferum</i> , <i>Jacaranda mimosifolia</i> (opposite wires, blisters) <i>Lagerstroemia indica</i> (under wires)	Heritage Conservation area. Existing in-road and blister planting. Combination of ABC and overhead wires. Existing trees greatly contribute to the character of the street. Recommend ABC entire street.
Grove Street	Overhead (Odd)	Narrow (<1.8m)	<i>Callistemon viminalis</i> cv.	<i>Melaleuca bracteata</i> (opposite wires) <i>Backhousia citriodora</i> (under wires)	Very narrow street and verge.
Henry Street	ABC	Narrow (<1.8m)	Mixed	<i>Elaeocarpus eumundi</i> , <i>Melaleuca bracteata</i> , <i>Callistemon salignus</i>	Very narrow verge. Some mature <i>Corymbia citriodora</i> causing damage, replace with smaller trees.
Hilton Avenue	None or UG	Narrow (<1.8m)	-	<i>Tristaniopsis laurina</i>	Opportunity to plant on odd side. Narrow verge 1.8m.
Hogan Avenue	ABC	Small (<1.8-3.5m)	<i>Pyrus calleryana</i> cv. <i>Callistemon viminalis</i> cv.	<i>Eucalyptus paniculata</i> (opposite wires) <i>Tristaniopsis laurina</i> (under wires)	
Hutchinson Street	Overhead (Odd)	Narrow (<1.8m)	-	<i>Cupaniopsis anacardioides</i> , <i>Caesalpinia ferrea</i> (opposite wires) <i>Lagerstroemia indica</i> , <i>Buckinghamia celsissima</i> (under wires)	No existing trees. Narrow one-way street. Recommend no planting in verge where adjacent to Simpson Park.
Lackey Street	Overhead (Even)	Narrow (<1.8m)	<i>Cupaniopsis anacardioides</i>	<i>Cupaniopsis anacardioides</i> (opposite wires) <i>Leptospermum petersonii</i> (under wires)	One way street. Recommend no planting in verge where adjacent to Simpson Park.
Mary Street	Overhead (Even)	Narrow (<1.8m)	Mixed	<i>Elaeocarpus eumundi</i> (opposite wires) <i>Lagerstroemia indica</i> (under wires)	Very narrow and busy street.
May Street	Overhead (Odd)	Small (<1.8-3.5m)	<i>Koelreuteria paniculata</i> <i>Fraxinus</i> 'Raywood'	<i>Pyrus ussuriensis</i>	Busy road, adjacent to Camdenville Park. Mostly a commercial area. Recommend ABC a priority.
Park Road	Overhead (Even)	Small (<1.8-3.5m)	<i>Callistemon viminalis</i> cv. <i>Tristaniopsis laurina</i>	<i>Tristaniopsis laurina</i>	Narrow verge 1.8m, existing garden verges with stone kerb and gutter.
Princes Highway between Belmore Street and Goodsell Street	Overhead (Even)	Small (<1.8-3.5m)	<i>Melaleuca quinquenervia</i> <i>Lophostemon confertus</i>	<i>Lophostemon confertus</i>	Young planting of trees between May Street and Sydney Park Road. Recommend ABC a priority.
Railway Road between Unwins Bridge Road and Princes Highway	ABC	Narrow (<1.8m)	<i>Lophostemon confertus</i>	<i>Lagerstroemia indica</i>	Busy road. Narrow verge. No planting in verge where adjacent to park.

11 SYDENHAM & ST PETERS (cont.)					
Street Name	Power Lines	Verge Type	Existing Dominant	Proposed Species	Key Observations
<b>Railway Road</b> west of Unwins Bridge Road	Overhead (Even)	Small (<1.8-3.5m)	<i>Melaleuca quinquenervia</i> <i>Fraxinus griffithii</i>	<i>Lophostemon confertus</i>	Quiet section of Railway Road. Continue with existing Brush Box planting through from other side of Unwins Bridge Road.
<b>Roberts Street</b>	Overhead (Odd)	Narrow (<1.8m)	Mixed	<i>Melaleuca bracteata (opposite wires)</i> <i>Koelreuteria paniculata (under wires)</i>	Narrow street and verge. Powerlines switch to even side of road on longer stretch of street.
<b>Short Street</b>	Overhead (Even)	Narrow (<1.8m)	-	<i>Tristaniopsis laurina (in blister)</i> <i>Acmena smithii var. minor (in verge)</i>	Short and narrow street and verge. Suggest planting to one side only or blister planting.
<b>Silver Street</b>	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	<i>Melaleuca bracteata (opposite wires)</i> <i>Leptospermum petersonii, Xylosma senticosum (under wires)</i>	A narrow street with lovely character to the streetscape. <i>Melaleuca bracteata</i> is the appropriate scale for the street.
<b>St Peters Street</b>	Overhead (Even)	Narrow (<1.8m)	<i>Melaleuca bracteata</i> <i>Callistemon viminalis cv.</i>	<i>Tristaniopsis laurina (both sides)</i>	Narrow cul-de-sac. St Peters School in street. Recently planted <i>Tristaniopsis laurina</i> cultivar.
<b>Sutherland Street</b>	Overhead (Odd)	Narrow (<1.8m)	<i>Callistemon viminalis cv.</i> <i>Photinia x fraseri 'Robusta'</i>	<i>Buckinghamia celsissima (opposite wires)</i> <i>Camellia sasanqua (under wires)</i>	Existing planting of two species only. Room for larger scale tree opposite side to overhead wires.
<b>Swain Street</b>	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	<i>Lophostemon confertus (in blister)</i> <i>Melaleuca bracteata (opposite wires)</i> <i>Buckinghamia celsissima (under wires)</i>	Existing blister towards Burrows Avenue.
<b>Talbot Street</b>	Overhead (Even)	Small (<1.8-3.5m)	-	<i>Corymbia eximia (opposite wires)</i> <i>Tristaniopsis laurina (under wires)</i>	Biodiversity priority planting area. Variable verge width with perpendicular parking to one side. Currently only one tree planted. Limited parking opportunities.
<b>Unwins Bridge Road</b> between Gleeson Avenue and Princes Highway	Overhead (Even)	Small (<1.8-3.5m)	<i>Melaleuca quinquenervia</i> <i>Fraxinus griffithii</i>	<i>Pyrus ussuriensis</i>	Overhead wires are on both sides. Some recently planted verge gardens.
<b>Unwins Bridge Road</b> West of Gleeson Avenue	Overhead (Even)	Small (<1.8-3.5m)	Mixed	<i>Pyrus ussuriensis</i>	Small section of mixed tree species
<b>Victoria Street</b>	None or UG	Narrow (<1.8m)	-	<i>Tristaniopsis laurina (east of Princes Highway)</i>	Very narrow street and verge, no existing street trees. Verge less than 1.8m between Princes Hwy and Church St.
<b>Yelverton Street</b>	ABC	Narrow (<1.8m)	<i>Melaleuca bracteata</i> <i>Acmena smithii var. minor</i>	<i>Elaeocarpus eumundi (opposite wires)</i> <i>Acmena smithii var. minor (under wires)</i>	Narrow verge. Existing ABC wires.