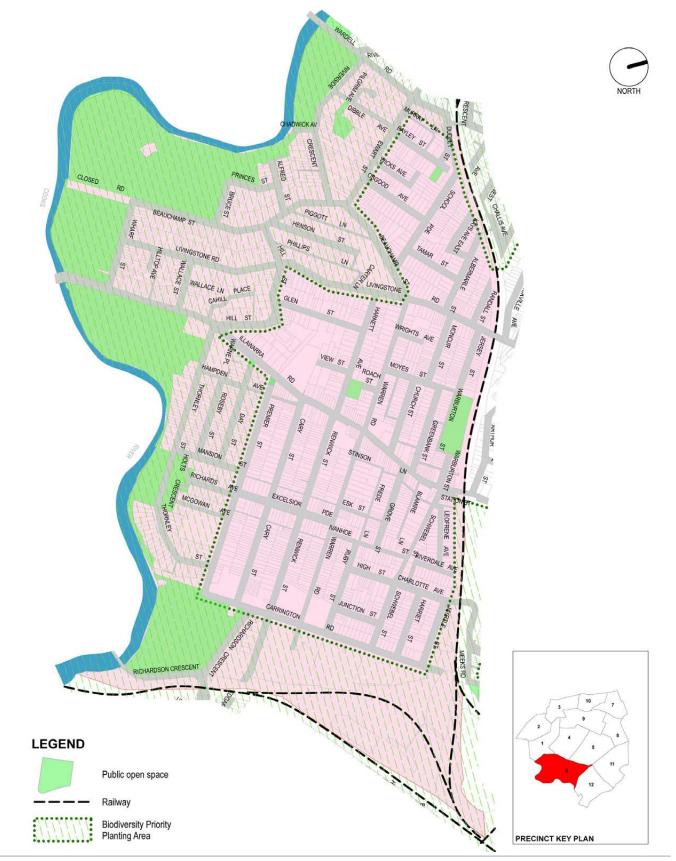
5.6 Marrickville South

History and Context

Marrickville South is a large area set in a relative picturesque and hilly setting that extends down to the Cooks River. The precinct is bounded by the railway line in the north, the railway line and Richardson Crescent in the east, the Cooks River in the south, and Garnet Street in the west. The area was named after an early property in the area, called Marrick, a village in North Yorkshire, England. Much of the area was originally market gardens, taking advantage of the alluvial soils near the river. A landmark in the district for many years was a 100 acre estate overlooking the Cooks River, known as The Warren. Warren Park on the Cooks River and Warren Road remind us that this house once existed.

The precinct contains several in-road plantings of *Lophostemon confertus* (Brush Box), *Cinnimomum camphora* (Camphor Laurel), and *Ficus macrocarpa* var. *hillii* (Hills Weeping Fig) that were planted in the 1920-30s and still stand today. A prominent row of *Phoenix canariensis* (Canary Island Date Palm) dating



back to this period still remain along Carrington Road, however due to problems associated with Ibis nesting in the canopy and the palm's susceptibility to Fusarium Wilt the continued success and longevity of this species of palm is questionable.

Large public recreational areas now align with the Cooks River corridor, including Marrickville Golf Course, Steel Park, H J Mahoney Memorial Park, Warren Park and Mackey Park. The main corridor road, Illawarra Road runs centrally through the precinct and crosses over the Cook's River leading into adjoining Earlwood and the Canterbury LGA.

Physical Influences

Marrickville South at 209.4ha (13% of total area) is the largest precinct and graced with over 2,740 trees (12.16% of total trees) being the highest number of trees in a precinct within the municipality. Generally, street width is generous and allotments are spacious. The majority of streets have a verge between 1.8-3.5m wide that is a combination of a grassed strip and footpath pavement. A number of streets are orientated in an East-West direction, resulting in a north and south side of the street. Deciduous trees or smaller trees should be planted on the south side to limit overshadowing.

The geology of the area consists of a combination of Hawkesbury Sandstone with obvious rock outcropping on the higher ridges, and then gently undulating alluvial floodplains along the River, and some shale derived clays. Some of the land adjacent to the Cooks River is disturbed, with landfill of unknown qualities. Most of these areas are dominated by open space and parkland. The upper slopes are typically quite exposed to prevailing winds and climatic elements, with presumably a shallow and poor sandy soil profile, but they provide some of the more panoramic views within the LGA.

Existing Streetscape Character

Marrickville South is typically a highly treed precinct, with an over reliance on *Callistemon viminalis* (Bottlebrush) (21.789% of tree species mix). The majority of residential typology is single storey detached homes, with some pockets of intensive apartment block development scattered throughout. The generously wide road reserves allow for larger trees where setback distances from dwellings to the front verge permit.

Marrickville South is defined by:

- The greatest number of street trees but with an overwhelming reliance on one species *Callistemon viminalis* (Bottlebrush).
- More exposed streets with shallow sandy, poorer quality soils.
- The Cooks River and a large area identified as a biodiversity priority planting area.
- Many streets oriented in an East-West direction.
- Intensive area of large lot industrial development to the eastern side fronting Carrington Road.



Current Dominant Species

Botanical Name	No. of trees	Percentage (%)
Callistemon viminalis	598	21.78%
Tristaniopsis laurina	253	9.21%
Cupaniopsis anacardioides	190	6.92%
Melaleuca bracteata	152	5.54%
Lophostemon confertus	130	4.73%
Proportion of total species mix	1323	48.18%
Total number of trees	2746	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 preserve the existing in-road avenue plantings along many of the streets, and identify further in-road planting opportunities.
- To reinforce and supplement the existing green corridor extending along the Cooks River.
- To reduce the over reliance on *Callistemon viminalis* (Bottlebrush).
- To plant larger growing trees along industrial streets and improve current tree pit preparation techniques and ongoing tree protection methods.

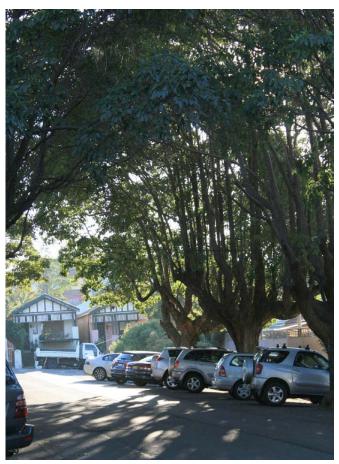


Figure 5.12 - (Above) One of the many historic streets planting with Lophostemon confertus (Brush Box), Excelsior Pde, Marrickville (Photo Arterra)

Figure 5.11 - (Left) One of the well planted smaller streets, Leofrene Ave, Marrickville (Photo Arterra)

PRECINCT PLANS



Figure 5.13 - Before - Although mostly residential streets, this precinct also contains some important areas of industrial development where larger tree planting would help with the target to increase canopy cover, such as Renwick Street, Marrickville (Photo Arterra)



Figure 5.14 - After - This photomontage shows how even well-spaced but larger trees can work well with the larger format development of industrial areas such as Renwick Street, Marrickville. Emphasis has to be placed on more appropriate soil and tree pit preparation and robust trunk protection to withstand the rigours of industrial areas (Photo Arterra)

	Power	Verge	Existing	Proposed	Key
	Lines	Туре	Dominant	Species	Observations
Albermarle Street	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Lophostemon confertus (opposite wires) Koelreuteria paniculata (under wires)	Heritage Conservation Area. Brick paved verge.
Alfred Street	Overhead (Even)	Small (<1.8-3.5m)	Melaleuca bracteata Sapium sebiferum	Sapium sebiferum (opposite wires) Tristaniopsis laurina (under wires)	Use native species preferably. Strong row of Chinese Tallows.
Bayley Street	Overhead (Even)	Small (<1.8-3.5m)	Sapium sebiferum Photinia x fraseri 'Robusta'	Sapium sebiferum (opposite wires) Photinia x fraseri 'Robusta' (under wires)	Continue with existing planting.
Beauchamp Street	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Angophora floribunda, Eucalyptus haemastoma, Corymbia eximia (opposite wires) Acmena smithii var. minor, Angophora hispida, Callistemon viminalis (under wires)	Recently planted Eucalypts opposite wires
Bruce Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Banksia integrifolia, Angophora hispida (under wires)	Short street. Street located in biodiversity priority planting area. Planting under wires only.
Cahill Place	Overhead (Odd)	Narrow (<1.8m)	-	<i>Callistemon salignus, Acacia binervia, Glochidion ferdinandi (opposite wires) Banksia integrifolia, Tristaniopsis laurina (under wires)</i>	Variable verge width. Multi storey government housing on street. Located in a biodiversity priority planting area.
Carrington Road	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Agathis robusta, Araucaria columnaris, Livistona australis, Washingtonia robusta (opposite wires) Waterhousea floribunda (under wires)	Industrial area, new plantings of Eucalypts and Waterhousea. ABC a priority
Cary Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Zelkova serrata 'Green Vase' (opposite wires) Buckinghamia celsissima (under wires)	Continue Ivory Curl on north side
Chadwick Avenue	Overhead (Central)	Narrow (<1.8m)	-	Eucalyptus robusta (grass verge side only)	No existing trees. Suggest 3 x Eucalyptus robusta one side only. Investigate potential for planting trees ir golf course outside of street.
Charlotte Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Lophostemon confertus (in road) Camellia sasanqua (in verge)	Great opportunity for in-road planting.
Church Street	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Pistacia chinensis (opposite wires) Lagerstroemia indica, Koelreutaria paniculata (under wires)	Section of street is fully paved
Day Street	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Corymbia eximia, Callistemon salignus, Angophora floribunda (in road blisters and opposite wires) Angophora hispida, Banksia integifolia, Banksia serrata (under wires)	Opportunity for a few in-road blisters on both sides. Retain bushland reserve grove to western end of street. Street located in biodiversity priority planting area.
Dibble Avenue	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Syzygium paniculatum (opposite wires and both sides where wires stop past Pilgram Ave) Tristaniopsis laurina, Acmena smithii var. minor (under wires)	Playground on street.
Dudley Street	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Koelreuteria bipinnata (under wires) Callistemon salignus (under high voltage wires)	Numerous <i>Koelreuteria bipinnata</i> already planted. ABC a priority.
Esk Street	Overhead (Odd)	Small (<1.8-3.5m)	-	Elaeocarpus eumundi (opposite wires)	No existing trees. Plant one side only opposite wires.

06 MARRICKV	ILLE SOUT	H (CONT.)			
	Power Lines	Verge Type	Existing Dominant	Proposed Species	Key Observations
Ewart Street	Overhead (Even)	Small (<1.8-3.5m)	Podocarpus elatus Callistemon viminalis cv.	<i>Syzygium paniculatum (opposite wires) Tristaniopsis laurina, Acmena smithii var. minor (under wires)</i>	Mostly Plum Pine with recent plantings of <i>Acmena smithii</i> . Verge 3.5m wide with grass and path on wire side.
Excelsior Parade	Overhead (Odd)	Medium (3.5-5m)	Lophostemon confertus	Lophostemon confertus (in road)	Historic avenue planting of Brush Box.
Glen Street	Overhead (Even)	Small (<1.8-3.5m)	<i>Melaleuca bracteata Callistemon viminalis cv.</i>	<i>Melaleuca bracteata (opposite wires) Camellia sasanqua (under wires)</i>	Grass and path on even side
Greenbank Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Pistacia chinensis (opposite wires) Lagerstoemia indica (under wires)	
Grove Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Koelreuteria bipinnata (in road / rain garden) Tristaniopsis laurina (verge)	WSUD/in road planting opportunity. Possible blisters at entrances to laneways, include 45 degree parking. Deciduous tree in rain garden on south side.
Hampden Avenue	None or UG	Narrow (<1.8m)	-	-	No existing trees - on rock. No opportunity for planting.
Harnett Avenue	Overhead (Even)	Small (<1.8-3.5m)	Lophostemon confertus	Lophostemon confertus (in road)	Existing in-road planting
Harriet Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Pistacia chinensis (opposite wires) Camellia sasanqua (under wires)	Nominate a deciduous tree on south side
Henson Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Syzygium paniculatum, Acacia binervia, Angophora costata (opposite wires) Callistemon viminalis, Banksia serrata, Angophora hispida (under wires)	WSUD/rain garden opportunity. Possible 45 degree parking opportunity.
High Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Butia capitata (opposite wires) Buckinghamia celsissima (under wires)	Short street, no through road. Historic planting of Butias one side.
Hill Street	Overhead (Even)	Small (<1.8-3.5m)	Lophostemon confertus Callistemon viminalis cv.	Syzygium paniculatum, Callistemon salignus, Acacia binervia, Angophora floribunda, Angophora costata (opposite wires) Banksia serrata, Angophora hispida (under wires)	Consistent row of young Brush Box opposite wires. Located in a biodiversity priority planting area.
Hilltop Avenue	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Banksia integrifolia, Synoum gladulosum (both sides)	Short street, very narrow verge 1.8m. Located in a biodiversity priority planting area.
Holt Crescent	None or UG	Varies	-	-	Street located in biodiversity priority planting area. Fig trees in park contribute to streetscape. Recommend no planting in verge.
Illawarra Road Hill St to Cooks River	Overhead (Odd)	Small (<1.8-3.5m)	Lagerstroemia indica	Lagerstroemia indica (opposite wires)	Continue with Crepe Myrtles. No planting under wires.
Illawarra Road between Hill St and Warren Rd	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	<i>Corymbia maculata, Tristaniopsis laurina (opposite wires) Lagerstroemia indica (under wires) Syzygium leuhmannii (Harnett Ave to Railway station)</i>	Main thoroughfare. From Harnett Ave to Railway station use Syzygium leuhmannii wherever possible and where awnings permit. Retail hub has many wires, infrastructure constraints, bus stops, etc.
Ivanhoe Street	Overhead (Even)	Small (<1.8-3.5m)	<i>Melaleuca bracteata Callistemon viminalis cv.</i>	Elaeocarpus eumundi (opposite wires) Buckinghamia celsissima (under wires)	Existing verge gardens.
Jersey Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Pyrus ussuriensis, Jacaranda mimosifolia (opposite wires) Tristaniopsis laurina (under wires)	

Street Name	Power	Verge	Existing	Proposed	Kev
	Lines	Туре	Dominant	Species	Observations
Junction Street	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Jacaranda mimosifolia (opposite wires) Harpullia pendula (under wires)	Split road. Opportunity for a tree to arch over street
Kays Avenue East	Overhead (Odd)	Small (<1.8-3.5m)	Podocarpus elatus Lagerstroemia indica	Lophostemon confertus (in road section of street) Zelkova serrata 'Green Vase' (opposite wires) Lagerstroemia indica (under wires)	Heritage Conservation Area. Brick paved verge. Replace existing in-road Plum Pine with Brush box. Plum Pine are causing extreme mess due to fruit drop.
Leofrene Avenue	Overhead (Even)	Small (<1.8-3.5m)	Tristaniopsis laurina Callistemon viminalis cv.	<i>Tristaniopsis laurina (opposite wires) Callistemon viminalis cv. (under wires)</i>	Continue with existing two species
Livingstone Road	Overhead (Odd)	Small (<1.8-3.5m)	Tristaniopsis Iaurina	Lophostemon confertus (both sides)	Predominantly single species of Water Gums. Wires swap to even past Hill Street.
Mansion Street	Overhead (Odd)	Small (<1.8-3.5m)	Backhousia citriodora Elaeocarpus reticulatus	Syzygium paniculatum, Angophora costata, Callistemon salignus (either in road or opposite wires) Angophora hispida, Banksia serrata, Acmena smithii var. minor (in verge if inroad undertaken or when under wires)	Street located in biodiversity priority planting area. WSUD / in road planting opportunity. Retain existing trees in verge.
McGowan Avenue	Overhead (Odd)	Small (<1.8-3.5m)	Melaleuca bracteata	Angophora costata, Callistemon salignus (opposite wires)	Street located in biodiversity priority planting area. Discontinue with planting on western side.
Moncur Street	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Koelreuteria bipinnata (opposite wires) Lagerstroemia indica (under wires)	Existing verge gardens. Consider smaller evergreen tree on south side of street.
Moyes Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Pistacia chinensis (opposite wires) Acmena smithii var. minor (under wires)	Part ABC to southern end of street
Myrtle Street	Overhead (Odd)	Small (<1.8-3.5m)	Pistacia chinensis	Pistacia chinensis (under ABC wires) Cupaniopsis anacardioides (under high voltage wires)	Power lines on both sides with high voltage on north side. ABC on south. North side grass and path. Verge is 3m.
Osgood Avenue	Overhead (Even)	Small (<1.8-3.5m)	Lophostemon confertus	Lophostemon confertus, Waterhousea floribunda 'Green Avenue' (in road)	Historic in road Brush Box avenue.
Pilgram Avenue	Overhead (Even)	Small (<1.8-3.5m)	Callistemon viminalis cv. Leptospermum petersonii	Leptospermum petersonii (both sides)	No through road. Continue with Lemon Scented Tea Tree.
Premier Street	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Lophostemon confertus (opposite wires) Lagerstroemia indica (under wires)	Paperbark is the main species, wires are on the south side trees in school grounds contribute to street.
Princes Street	Overhead (Even)	Large (>5m)	Mixed	Angophora costata, Banksia serrata (opposite wires)	Short street. Views are an issue. No planting under wires. Wires switch over half way down street.
Randall Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Fraxinus pennsylvanica, Zelkova serrata 'Green Vase' (opposite wires) Camellia sasanqua, Gordonia axillaris, Magnolia grandiflora 'Exmouth' (under wires)	
Renwick Street east of Carrington Road	Overhead (Even)	Medium (3.5-5m)	Cupaniopsis anacardioides	Eucalyptus paniculata (opposite wires) Cupaniopsis anacardioides (under wires)	Cars parked on verge, keep Tuckeroos under wires. Opportunity to plant Eucalypts opposite wires where there is currently no trees. Need tree guards, and possibly pave around trees to still allow cars to park

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Street Name	Power Lines	Verge Type	Existing Dominant	Proposed Species	Key Observations
Renwick Street between Carrington Rd & Illawarra Rd	Overhead (Even)	Medium (3.5-5m)	Mixed	Waterhousea floribunda 'Green Avenue' (opposite wires) Koelreuteria paniculata (under wires)	Discontinue any further planting of Waterhousea on south side, strengthen on northern side.
Richards Avenue	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Syzygium paniculatum, Angophora costata, Angophora floribunda (in road and opposite wires) Angophora hispida, Synoum glandulosum, Banksia integrifolia (under wires)	Street located in biodiversity priority planting area. WSUD/in road blister opportunity.
Richardson Crescent	Overhead (West)	Small (<1.8-3.5m)	Corymbia maculata	Corymbia maculata (opposite wires)	New planting (one side only) of Spotted Gums, trees in park contribute to street. Continue with Spotted Gums but with wider spacing.
Riverdale Avenue	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	<i>Caesalpinnia ferrea (opposite wires) Camellia sasanqua, Murraya paniculata (under wires)</i>	Road reserve width is variable, some ABC wires, very mixed species, Railway at end of street. Wires switch to odd at narrow end of street.
Riverside Crescent	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Angophora floribunda, Casuarina glauca, Eucalyptus robusta, Eucalyptus haemastoma (opposite wires) Tristaniopsis laurina, Angophora hispida (under wires)	Trees overhanging from golf course contribute to street character.
Roach Street	Overhead (Even)	Small (<1.8-3.5m)	Tristaniopsis laurina Xanthostemon chrysanthus	Fraxinus pennsylvanica (opposite wires) Xanthostemon chrysanthus (under wires)	Short street, park at end of street
Roseby Street	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Syzygium paniculatum, Callistemon salignus, Angophora floribunda (opposite wires) Callistemon viminalis, Tristaniopsis laurina (under wires)	Street located in biodiversity priority planting area.
Ruby Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	<i>Melaleuca bracteata, Eleaocarpus reticulatus (opposite wires) Camellia sasanqua, Xylosma senticosum (under wires)</i>	Split road at crest, shallow soils.
School Parade	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Lophostemon confertus alternating with Liriodendron tulipifera (opposite wires) Lagerstroemia indica, Koelreuteria paniculata (under wires)	Brick paving on north side.
Schwebel Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Tristaniopsis laurina (both sides)	Split road to eastern end with large wall. 1.9m verge.
Tamar Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Lophostemon confertus (in road) Zelkova serrata 'Green Vase' (in verge - opposite wires) Lagerstroemia indica (in verge - under wires)	Heritage Conservation Area. Brick paved verge. In road planting opportunity on this street.
Thornley Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Corymbia eximia, Angophora costata, Callistemon salignus (opposite wires) Banksia integrifolia, Melaleuca linariifolia, (under wires)	Street located in biodiversity priority planting area.
View Street	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Ulmus parvifolia 'Todd' (in road) Harpullia pendula, Lagerstroemia indica (both sides)	Short street, opportunity for verge gardens, in road planting opportunity.

06 MARRICKVILLE SOUTH (CONT.)					
Street Name	Power Lines	Verge Type	Existing Dominant	Proposed Species	Key Observations
Wallace Street	Overhead (Odd)	Large (>5m)	Eucalyptus nicholii Callistemon viminalis cv.	Angophora costata, Banksia serrata, Acacia binervia, Callistemon viminallis (randomly planted each side where space permits)	Located in biodiversity priority planting area. Generous verge width (grass), lower section of street is ABC - recommend ABC to entire street. Maintain views with new planting.
Warburton Street	Overhead (Even)	Small (<1.8-3.5m)	Ficus microcarpa var. hillii Cupaniopsis anacardioides	<i>Waterhousea floribunda 'Green Avenue' (in road) Cupaniopsis anacardioides (in verge)</i>	Existing Figs planted in road, Tuckeroos planted in verge. ABC a priority.
Warren Road between Illawarra Road and Carrington Road	Overhead (Even)	Small (<1.8-3.5m)	Mixed	Elaeocarpus eumundi (opposite wires) Lagerstroemia indica, Buckinghamia celsissima (under wires)	Remove newly planted figs (3) in a row - too close to each other too narrow verge.
Warren Road between Illawarra Road and Livingstone Road	Overhead (Odd)	Small (<1.8-3.5m)	Mixed	Cupaniopsis anacardioides (both sides)	Busy cross street. A lot of Tuckeroos planted.
Wharf Street	Overhead (Odd)	Small (<1.8-3.5m)	Callistemon viminalis cv.	<i>Callistemon viminalis cv. (under wires)</i>	Very strong single row of Bottlebrush along street. Trees in golf course contribute greatly to street. Plant one side only.
Wicks Ave	Overhead (Even)	Small (<1.8-3.5m)	Callistemon viminalis cv. Lagunaria patersonia	Harpullia pendula (opposite wires) Camellia sasanqua (under wires)	Fully paved under wire side
Wrights Avenue	Overhead (Even)	Small (<1.8-3.5m)	Cupaniopsis anacardioides	Cupaniopsis anacardioides (both sides)	Brick pathways



Figure 5.15 - Marrickville South contains numerous streets that have shallow and difficult soil conditions for tree planting. Strategically these streets would benefit from a long term vision to create better below-ground tree planting conditions and potentially integrating WSUD initiatives, ultimately creating better streets with greater canopy cover, such as in Grove Street, Marrickville (Photo Arterra)