

Preferred Scenario Infrastructure Strategies

Attachment A9

Preferred Scenario Infrastructure Strategies

Introduction

The strategies reflect current Council policy in relation to infrastructure delivery as per the;

- Ku-ring-gai Local Strategic Planning Statement (LSPS),
- Ku-ring-gai DCP,
- Local Centres Public Domain Plan,
- Ku-ring-gai Contributions Plan,
- draft Green Grid Strategy,
- Ku-ring-gai Bike Plan
- Ku-ring-gai Community Facilities Strategy
- Ku-ring-gai Community Facilities Strategy
- Traffic and transport plans for Gordon and Lindfield

The strategies also indicate new policy particularly in relation to provision of open space.

The work in the strategies and any future infrastructure provision will be funded via a number of mechanisms including S7.11 and S7.12 contributions, Voluntary Planning Agreements.

GORDON

With reference to Attachment AX – Preferred Scenario - Infrastructure Strategies the following work is proposed for Gordon Local Centre.

It is noted that the list below is preliminary and further infrastructure requirements will be identified as supporting studies are completed.

STREETSCAPE (FIGURE A9.1)

upgrades and improvements to all local streets including wider footpaths, improved lighting and street furniture overhead powerline bundling and new street trees to all streets

TRAFFIC AND ACTIVE TRANSPORT (FIGURE A9.2)

A new local road connecting St Johns Avenue and Moree Street to improve local traffic circulation

A new local road connecting Moree Street and Dumaresq Street at the rear of the Gordon Centre to improve local traffic circulation

Intersection upgrades along the Pacific Highway between Ravenswood Avenue and Park Avenue

A new signalised pedestrian crossing at the intersection of Merriwa Street and the Pacific Highway

New pedestrian accessways through blocks allowing

Traffic calming and other works in key local streets to improve pedestrian accessibility and safety

New separated cycleways along Werona Avenue and Dumaresq Street

As noted later in this report a Transport Impact Assessment Study is currently underway for Gordon and it is anticipated that additional road and intersection upgrades will be required

OPEN SPACE (FIGURE A9.3)

Upgrades to existing parks including Gordon Recreation Grounds and Heritage Park

New urban plazas on Wade Lane and Council Chambers site

Conversion of the former Gordon Bowling Club land to a new recreation area and local park

A large new local park on the corner of Vale Street and Dumaresq Street, expanding Gordon Glen to an area of 8,700sqm

A network of new pedestrian accessways connecting to the new park on Dumaresq Street

COMMUNITY FACILITIES (FIGURE A9.3)

New larger and upgraded community and cultural facilities as part of a community hub

Size of facilities to be revised considering revised population forecasts as a result of the TOD

GREEN GRID AND CANOPY COVER (FIGURE A9.4)

A canopy target of 30% across all new high density residential areas with a requirement for 50% deep soil as part of new developments

Enhanced 'green grid' streets

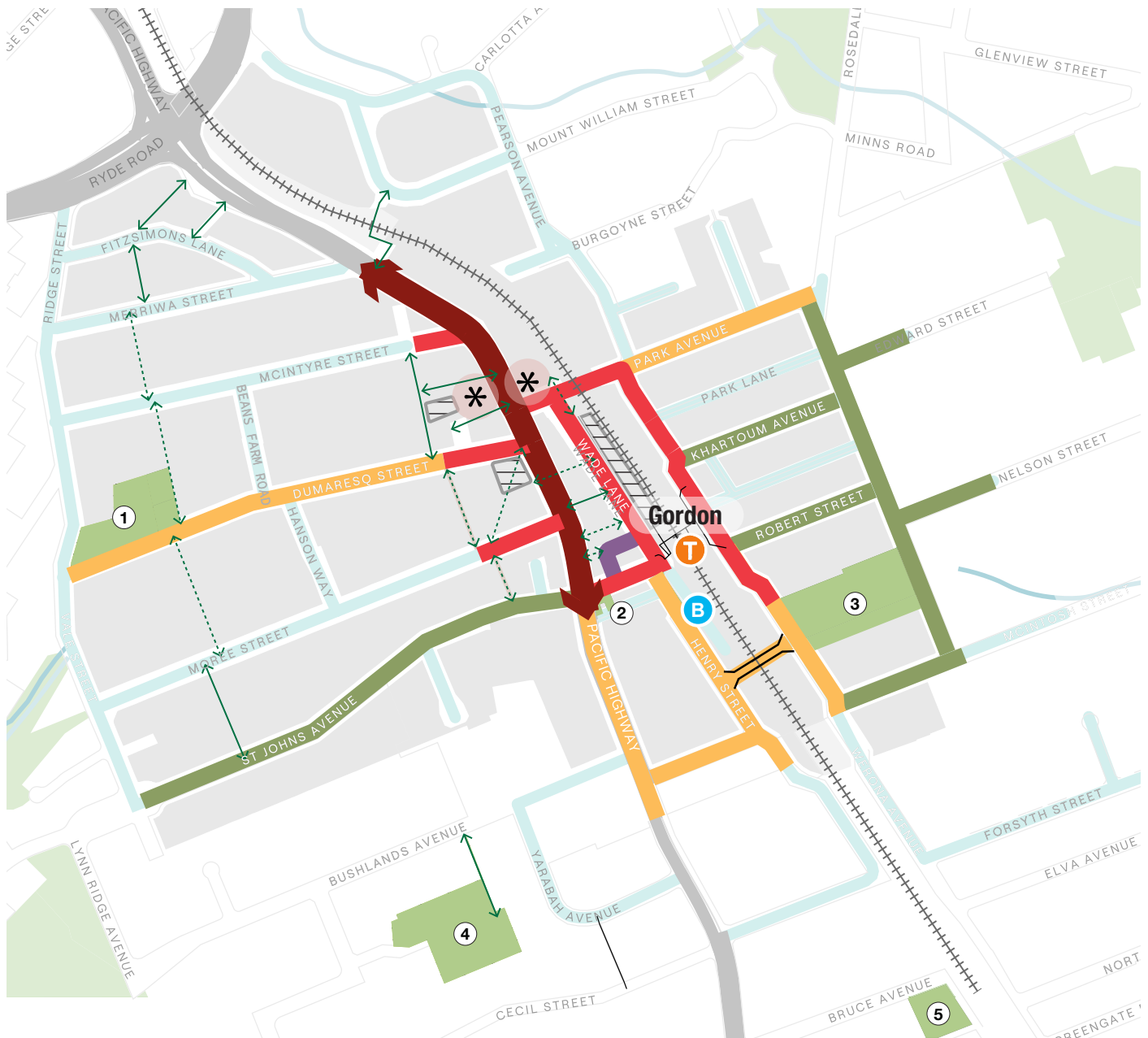


Figure A9.1 Gordon Town Centre Public Domain Strategy

- ① Gordon Glen (Expanded)
- ② Heritage Square
- ③ Gordon Recreation Ground
- ④ Gordon Bowling Club (New)
- ⑤ Greengate Park

Note: For further details in relation to the above Public Domain Strategy refer to the following Council Plans and Strategies;

- Gordon Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

- Pacific Highway to be Upgraded
- Existing Through Site Links and Arcades to be Upgraded
- New Through Site Links and Arcades
- Local Streets to be Upgraded
- Local Centre Transition Streets
- Local Centre Character Streets
- Local Centre Low Speed / High Pedestrian Zone
- Local Centre Standard Streets
- New Urban Plaza
- Train Station Overpass Connection
- Open Space (Existing and Proposed)
- Key Point of Interest

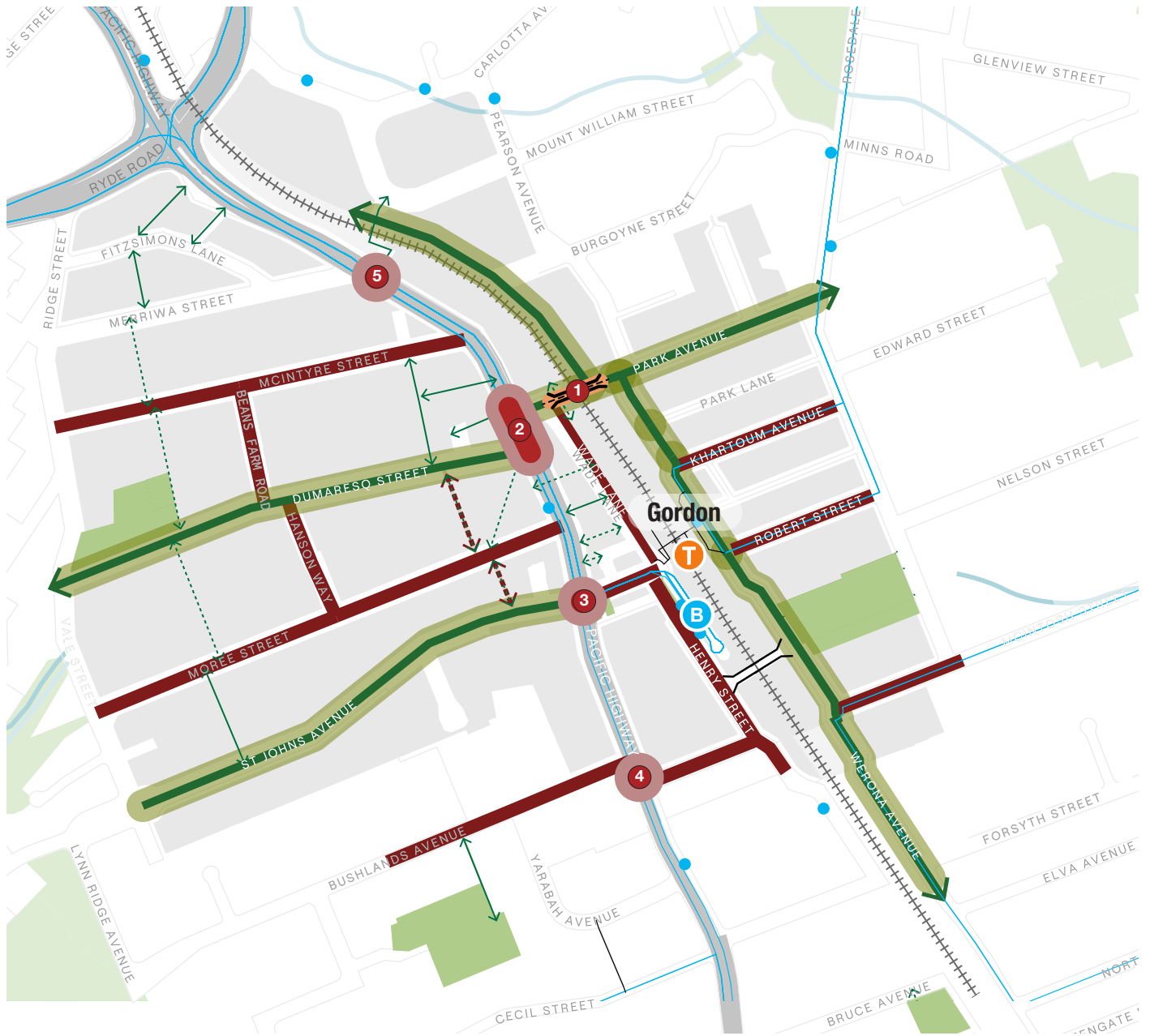


Figure A9.2 Gordon Town Centre Traffic and Active Transport Strategy

- ① Park Avenue Bridge Upgrade
- ② Dumaresq Street & Park Avenue Intersection Upgrade
- ⑤ Pacific Highway & Mount William Street Pedestrian Crossing

- ③ St Johns Avenue & Pacific Highway Intersection Upgrade
- ④ Pacific Highway & Ravenswood Avenue Intersection Upgrade

Note: For further details in relation to the above Traffic and Active Transport Strategy refer to the following Council Plans and Strategies;

- Gordon Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

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|--------------------|--|-----------------------|------------------------------------|
| Study Area | Traffic Calming / Pedestrian Accessibility | Intersection Upgrades | Open Space (Existing and Proposed) |
| Separated Cycleway | Public Transport Routes and Stops | Proposed New Road | Potential Crossing Point |





Figure A9.3 Gordon Town Centre Open Space and Community Facilities Strategy

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|----------------------------|------------------------------|------------------------------|
| ① Gordon Glen (Expanded) | ④ Gordon Bowling Club (New) | ⑦ Scouts NSW |
| ② Heritage Square | ⑤ Greengate Park | ⑧ Gordon Community Preschool |
| ③ Gordon Recreation Ground | ⑥ Library and Police Station | ⑨ Tulkian Museum |
| | | ⑩ Eryldene Museum |

Note: For further details in relation to the above Open Space and Community Facilities Strategy refer to the following Council Plans and Strategies;

- Gordon Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

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|-----------------------------------|------------------------------------|--------------------------------------|-------------------------------|
| Study Area | Existing Open Space to be Upgraded | Leased Open Space Managed by Council | Existing Community Facilities |
| Train Station Overpass Connection | Private Open Space | Future Open Space | New Community Facility |





Figure A9.4 Gordon Town Centre Green Grid and Canopy Cover Strategy

Note: For further details in relation to the above Green Grid and Canopy Cover Strategy refer to the following Council Plans and Strategies;

- Gordon Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

Pacific Highway	Ku-ring-gai Green Grid Routes	10% Tree Canopy Target in Mixed Use Development Areas	No Change - Existing Retained
Northshore Railway Line	Open Space	30% Tree Canopy Target in Residential Development Areas	



Killara

With reference to Attachment AX – Preferred Scenario - Infrastructure Strategies the following work is proposed for Killara Local Centre.

It is noted that the list below is preliminary and further infrastructure requirements will be identified as supporting studies are completed.

STREETSCAPE (FIGURE A9.5)

High quality upgrades to local centre core streets.

Upgrades and improvements to all local streets including wider footpaths, improved lighting, overhead powerline bundling and new street trees.

TRAFFIC AND ACTIVE TRANSPORT (FIGURE A9.6)

A new local road connecting Tryon Place with the Pacific Highway to improve vehicle access and drop off to Lindfield Station.

Intersection and crossing upgrades on Culworth Avenue and Werona Avenue.

Traffic calming and other works in key local streets to improve pedestrian accessibility and safety.

New separated cycleways along Werona Avenue and Stanhope Road.

As noted later in this report a Transport Impact Assessment study is currently underway for Killara and it is anticipated that additional road and intersection upgrades will be required.

OPEN SPACE (FIGURE A9.7)

Upgrades to existing parks including Abbotsholme Glen and Selkirk Park.

Ongoing management of Regimental Park for public recreation (via a lease from Sydney Water).

COMMUNITY FACILITIES (FIGURE A9.7)

Upgrade and expansion of Marian Street Theatre.

GREEN GRID AND CANOPY COVER (FIGURE A9.8)

A canopy target of 30% across all new high density residential areas with a requirement for 50% deep soil as part of new developments.

Enhanced 'green grid' streets along Stanhope Road and Fiddens Wharf Road, and Marian Street and Buckingham Road.

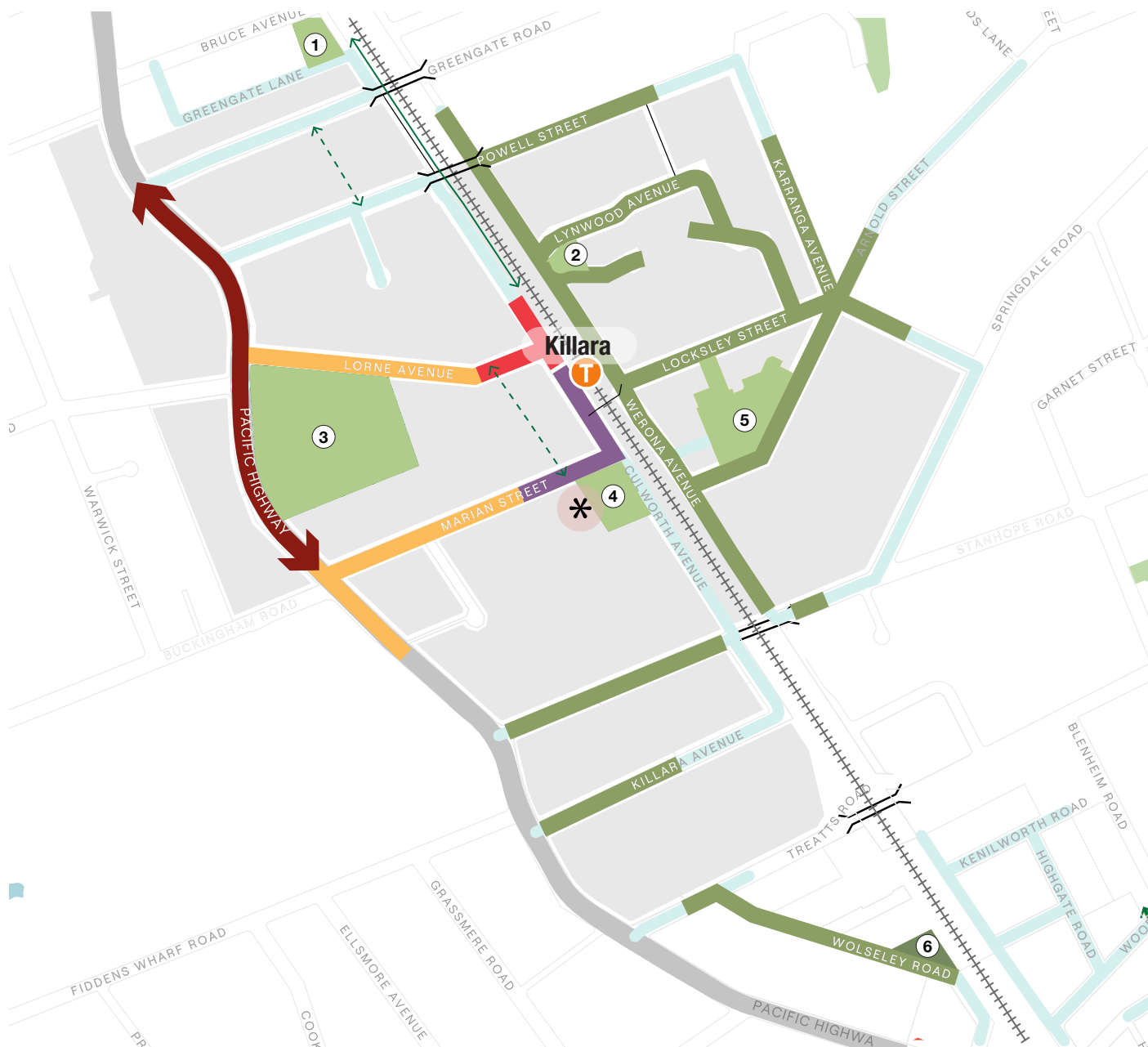


Figure A9.5 Killara Town Centre Public Domain Strategy

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|--------------------|-------------------|---|
| ① Greengate Park | ③ Regimental Park | ⑤ Killara Bowling Club and Lawn Tennis Club |
| ② Abbotsholme Glen | ④ Selkirk Park | ⑥ Ibbitson Park |

Note: For further details in relation to the above Public Domain Strategy refer to the following Council Plans and Strategies;

- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

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|--|---------------------------------|---|------------------------------------|
| Pacific Highway to be Upgraded | Local Streets to be Upgraded | Local Centre Low Speed / High Pedestrian Zone | Open Space (Existing and Proposed) |
| Existing Through Site Links and Arcades to be Upgraded | Local Centre Transition Streets | Local Centre Standard Streets | Key Point of Interest |
| New Through Site Links and Arcades | Local Centre Character Streets | Train Station Overpass Connection | |



Figure A9.6 Killara Town Centre Traffic and Active Transport Strategy

- ① Culworth Avenue Pedestrian Island Crossing Upgrade
- ② Locksley Street & Werona Avenue Intersection Upgrade
- ③ Werona Avenue & Stanhope Road Intersection Upgrade

Note: For further details in relation to the above Traffic and Active Transport Strategy refer to the following Council Plans and Strategies;

- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020



LEGEND

- Study Area
- Traffic Calming / Pedestrian Accessibility
- Intersection Upgrades
- Open Space (Existing and Proposed)
- Separated Cycleway
- Public Transport Routes and Stops

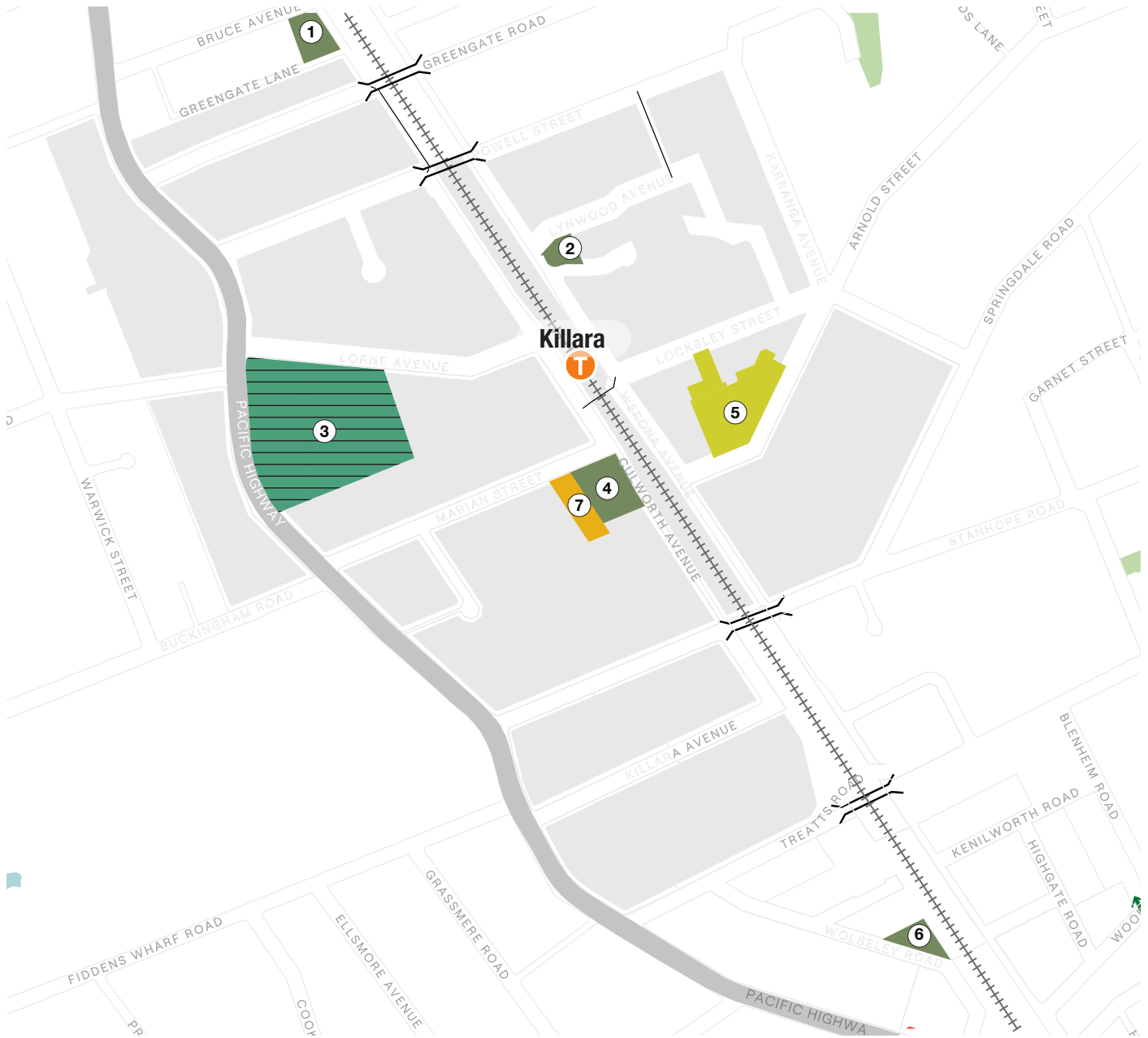


Figure A9.7 Killara Town Centre Open Space and Community Facilities Strategy

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|-------------------------|-------------------|---|
| ① Greengate Park | ③ Regimental Park | ⑤ Killara Bowling Club and Lawn Tennis Club |
| ② Abbotsholme Glen | ④ Selkirk Park | ⑥ Ibbitson Park |
| ⑦ Marian Street Theatre | | |

Note: For further details in relation to the above Open Space and Community Facilities Strategy refer to the following Council Plans and Strategies;

- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020



LEGEND

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|-----------------------------------|------------------------------------|--------------------------------------|-------------------------------|
| Study Area | Existing Open Space to be Upgraded | Leased Open Space Managed by Council | Existing Community Facilities |
| Train Station Overpass Connection | Private Open Space | Future Open Space | |



Figure A9.8 Killara Town Centre Green Grid and Canopy Cover Strategy

Note: For further details in relation to the above Green Grid and Canopy Cover Strategy refer to the following Council Plans and Strategies;

- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020



LEGEND

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|-------------------------|-------------------------------|---|-------------------------------|
| Pacific Highway | Ku-ring-gai Green Grid Routes | 10% Tree Canopy Target in Mixed Use Development Areas | No Change - Existing Retained |
| Northshore Railway Line | Open Space | 30% Tree Canopy Target in Residential Development Areas | |

Lindfield

With reference to Attachment AX – Preferred Scenario - Infrastructure Strategies the following work is proposed for Lindfield Local Centre.

It is noted that the list below is preliminary and further infrastructure requirements will be identified as supporting studies are completed.

STREETSCAPE (FIGURE A9.9)

High quality upgrades to local centre core streets consistent with recent work in St Johns Avenue Gordon

upgrades and improvements to all local streets including wider footpaths, improved lighting and street furniture

overhead powerline bundling and new street trees to all streets

TRAFFIC AND ACTIVE TRANSPORT (FIGURE A9.10)

A new local road connecting Tryon Place with the Pacific Highway to improve vehicle access and drop off to Lindfield Station

Intersection upgrades along the Pacific Highway and Lindfield Avenue

New pedestrian accessways

Traffic calming and other works in key local streets to improve pedestrian accessibility and safety

New separated cycleways along Lindfield Avenue, Havilah Road and Balfour Street, Drivers Way and Gladstone Parade

As noted later in this report a Transport Impact Assessment study is currently underway for Lindfield and it is anticipated that additional road and intersection upgrades will be required

Optional – widening of the road connection between Trafalgar Avenue and Nelson Road (Russell and Tryon Lanes) to accommodate two-way traffic and pedestrian footpaths

OPEN SPACE (FIGURE A9.11)

A new local park on the corner of Russell Lane, Tryon Lane and Nelson Road with a total area of approximately 2880sqm providing a location for a playground on the eastern side of Lindfield.

COMMUNITY FACILITIES (FIGURE A9.11)

A new library and community centre on the Lindfield Village Hub site

Size of facilities to be revised considering revised population forecasts as a result of the TOD.

GREEN GRID AND CANOPY COVER (FIGURE A9.12)

A canopy target of 30% across all new high density residential areas with a requirement for 50% deep soil as part of new developments

Enhanced 'green grid' streets along Tryon Road, Lindfield Avenue and Bent Street



Figure A9.9 Lindfield Town Centre Public Domain Strategy

- ① Ibbitson Park
- ② Newark Crescent Park (New)
- ③ Lindfield Village Green
- ④ Paddy Pallin Reserve
- ⑤ Two Turners Reserve

Note: For further details in relation to the above Public Domain Strategy refer to the following Council Plans and Strategies;

- Lindfield Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

- Pacific Highway to be Upgraded
- Local Streets to be Upgraded
- Local Centre Transition Streets
- Local Centre Low Speed / High Pedestrian Zone
- Train Station Overpass Connection
- Existing Through Site Links and Arcades to be Upgraded
- Local Centre Standard Streets
- Local Centre Standard Streets
- Open Space (Existing and Proposed)
- New Through Site Links and Arcades
- Local Centre Character Streets
- New Urban Plaza
- Key Point of Interest



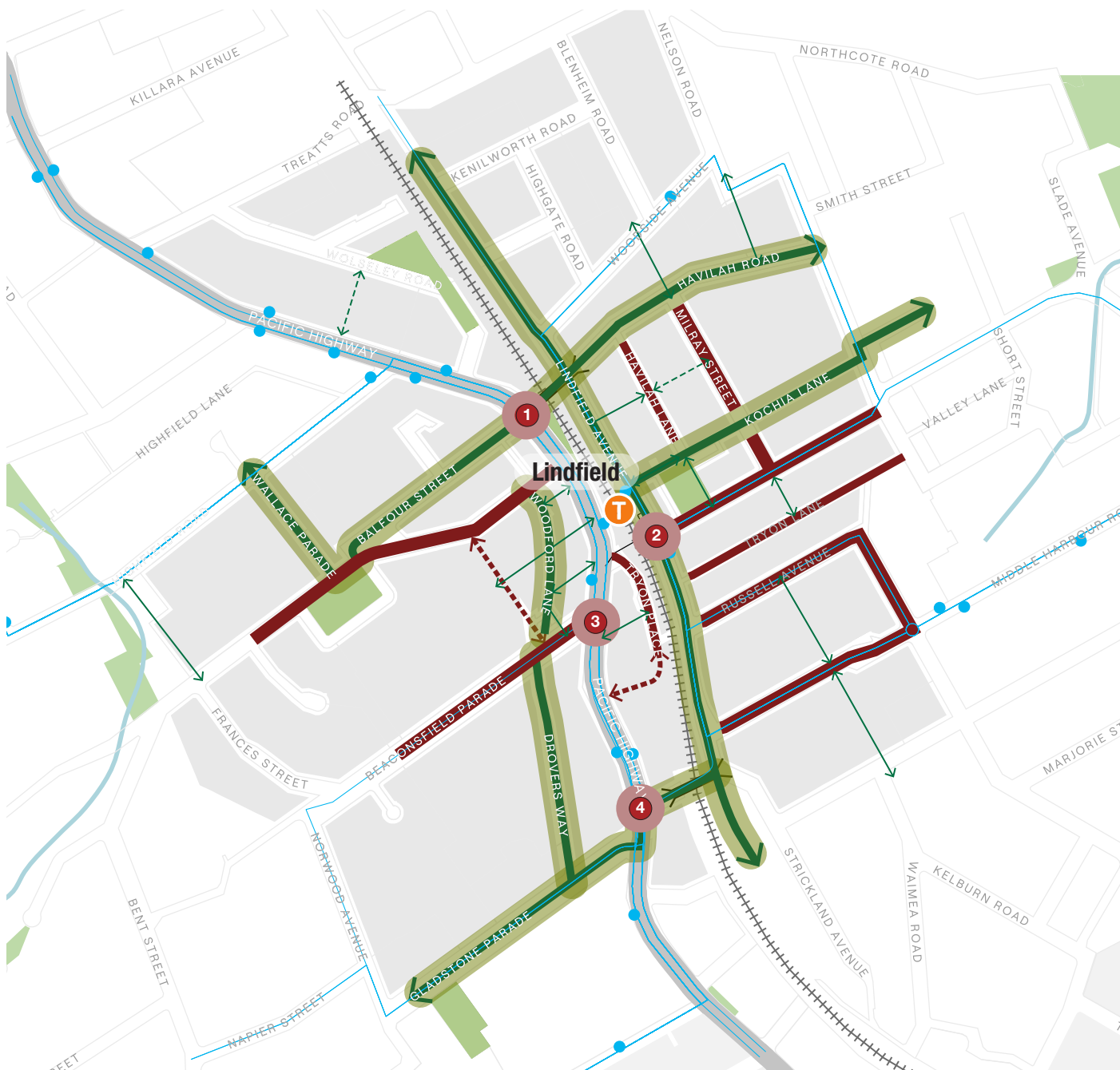


Figure A9.10 Lindfield Town Centre Traffic and Active Transport Strategy



- ① Clansville Road & Pacific Highway Intersection Upgrade
- ② Maclaurin Parade & Pacific Highway Intersection Upgrade
- ③ Pacific Highway & Beaconsfield Parade Intersection Upgrade
- ④ Corona Avenue & Pacific Highway Intersection Upgrade

Note: For further details in relation to the above Traffic and Active Transport Strategy refer to the following Council Plans and Strategies;

- Lindfield Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

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|--------------------|--|-----------------------|------------------------------------|
| Study Area | Traffic Calming / Pedestrian Accessibility | Intersection Upgrades | Open Space (Existing and Proposed) |
| Separated Cycleway | Public Transport Routes and Stops | Proposed New Road | |

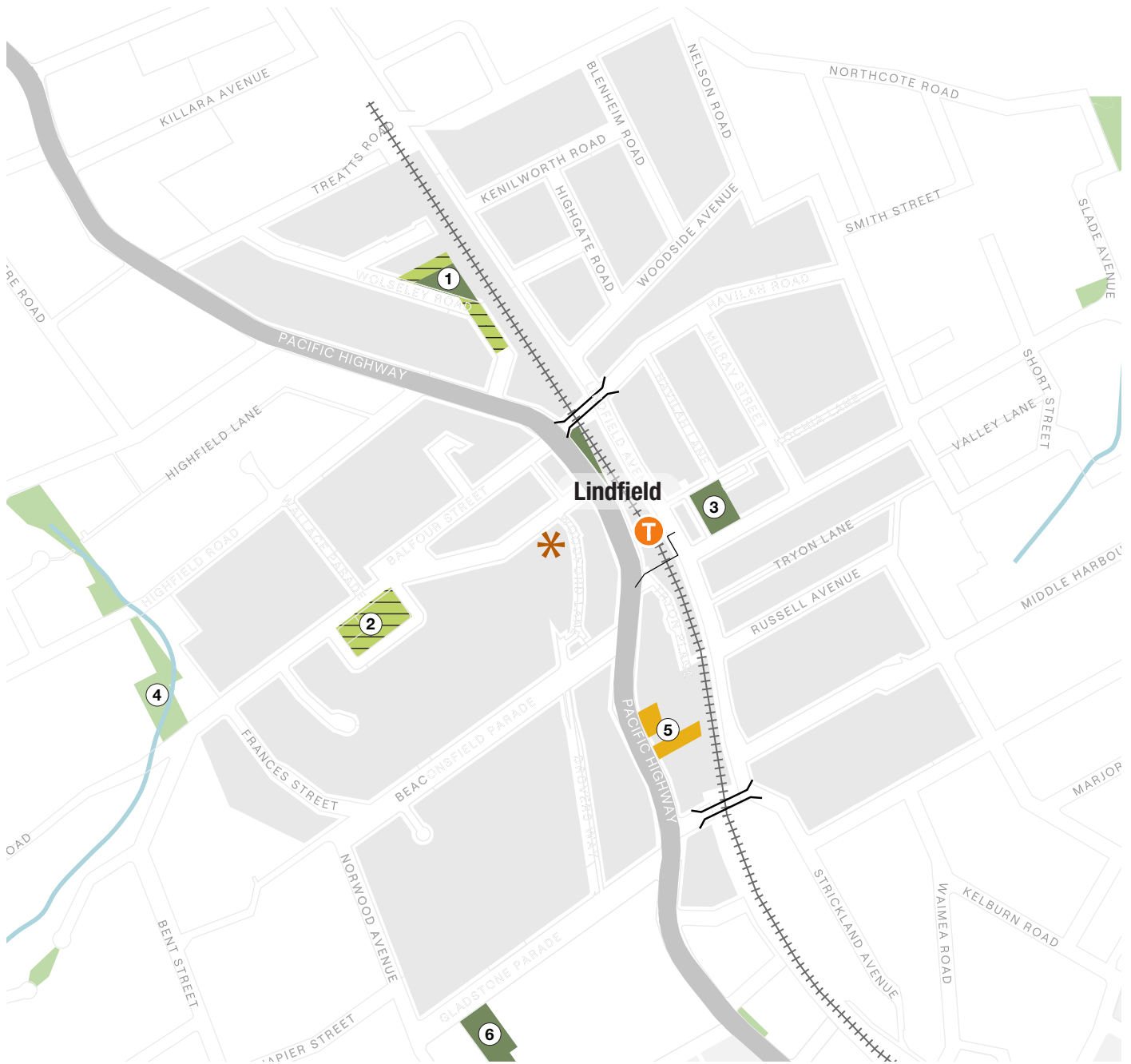


Figure A9.11 Lindfield Town Centre Open Space and Community Facilities Strategy



- ① Ibbitson Park
- ② Newark Crescent Park
- ③ Lindfield Village Green
- ④ Paddy Pallin Reserve
- ⑤ Lindfield Library & Seniors Centre
- ⑥ Two Turners Reserve

Note: For further details in relation to the above Open Space and Community Facilities Strategy refer to the following Council Plans and Strategies:

- Lindfield Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

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|-----------------------------------|------------------------------------|--------------------------------------|-------------------------------|
| Study Area | Existing Open Space to be Upgraded | Leased Open Space Managed by Council | Existing Community Facilities |
| Train Station Overpass Connection | Private Open Space | Future Open Space | Lindfield Community Hub |

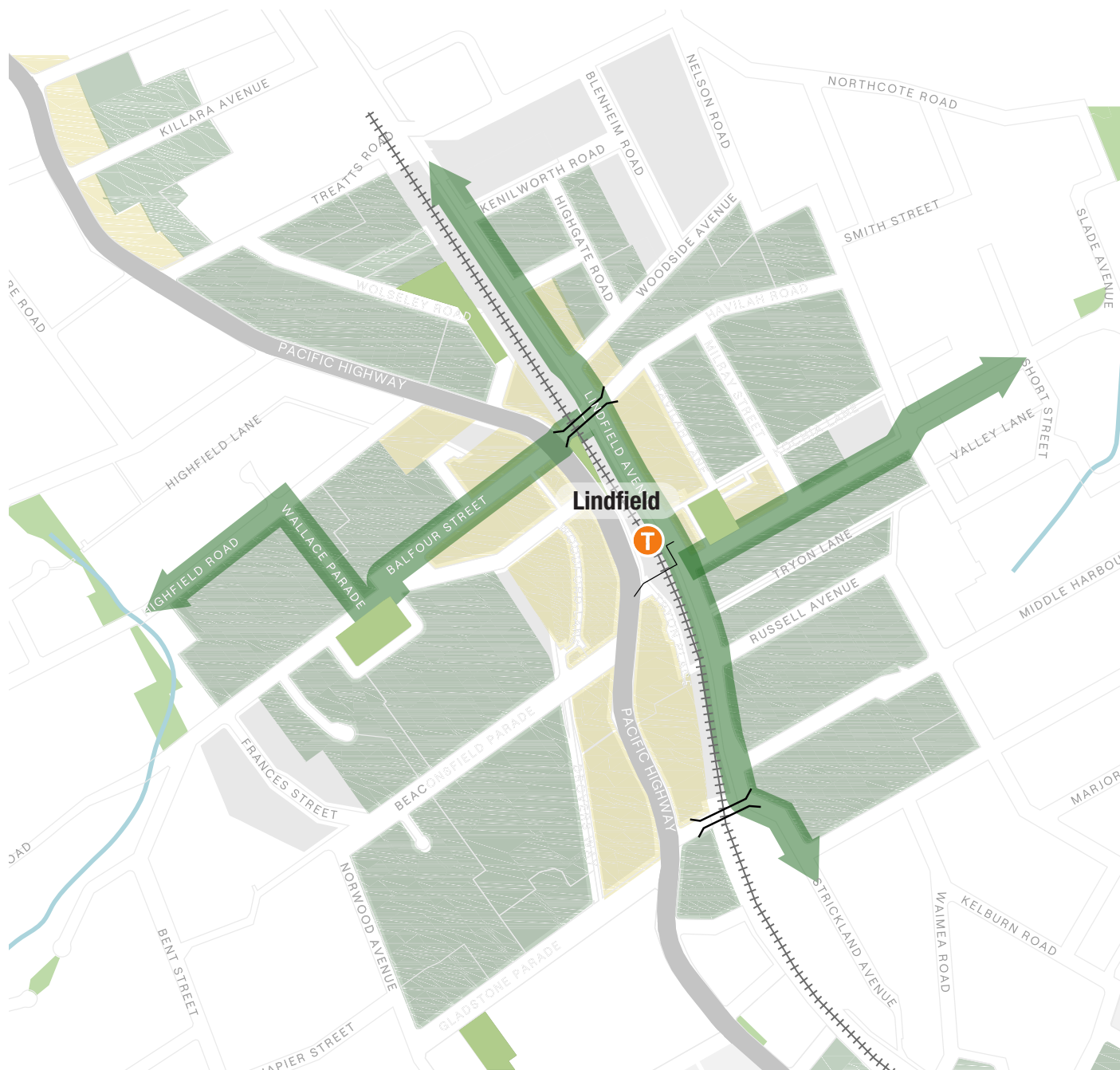


Figure A9.12 Lindfield Town Centre Green Grid and Canopy Cover Strategy



Note: For further details in relation to the above Green Grid and Canopy Cover Strategy refer to the following Council Plans and Strategies;

- Lindfield Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

Pacific Highway	Ku-ring-gai Green Grid Routes	10% Tree Canopy Target in Mixed Use Development Areas	No Change - Existing Retained
Northshore Railway Line	Open Space	30% Tree Canopy Target in Residential Development Areas	

Roseville

With reference to Attachment AX – Preferred Scenario - Infrastructure Strategies the following work is proposed for Roseville Local Centre.

It is noted that the list below is preliminary and further infrastructure requirements will be identified as supporting studies are completed.

STREETSCAPE (FIGURE A9.13)

High quality upgrades to local centre core streets
upgrades and improvements to all local streets including wider footpaths, improved lighting, overhead powerline bundling and new street trees.

TRAFFIC AND ACTIVE TRANSPORT (FIGURE A9.14)

A new local road connecting Pockley Avenue with Shirley Road providing alternative vehicle access via Shirley Road to the Pacific Highway

Intersection upgrades along the Pacific Highway at Maclaurin Parade and Corona Avenue

New and upgraded pedestrian accessways

Upgrade works to The Rifleway

Traffic calming and other works in key local streets to improve pedestrian accessibility and safety

New separated cycleways along Shirley Road and Clanville Road, and Hill Street and Roseville Avenue

As noted later in this report a Transport Impact Assessment study is currently underway for Roseville and it is anticipated that additional road and intersection upgrades will be required

OPEN SPACE (FIGURE A9.15)

Upgrades to existing parks including Roseville Memorial Park and Bancroft Park

A new park on Lord Street designed to be similar to the Lindfield Village Green

A new local park between Pockley Avenue and Shirley Road with an area of approximately 1,900sqm (incorporating no.17 Pockley Avenue and nos. 22 and 20A Shirley Road)

Open Space Optional – include an additional parcel of land (no.15 Pockley Avenue) to increase the park to about 3,700sqm which achieves the minimum size recommended in Council's Open Space Acquisition Strategy

COMMUNITY FACILITIES (FIGURE A9.15)

Upgrade and expansion of the Ku-ring-gai Arts Centre.

GREEN GRID AND CANOPY COVER (FIGURE A9.16)

A canopy target of 30% across all new high density residential areas with a requirement for 50% deep soil as part of new developments

Enhanced 'green grid' streets along Trafalgar Avenue and Hill Street.

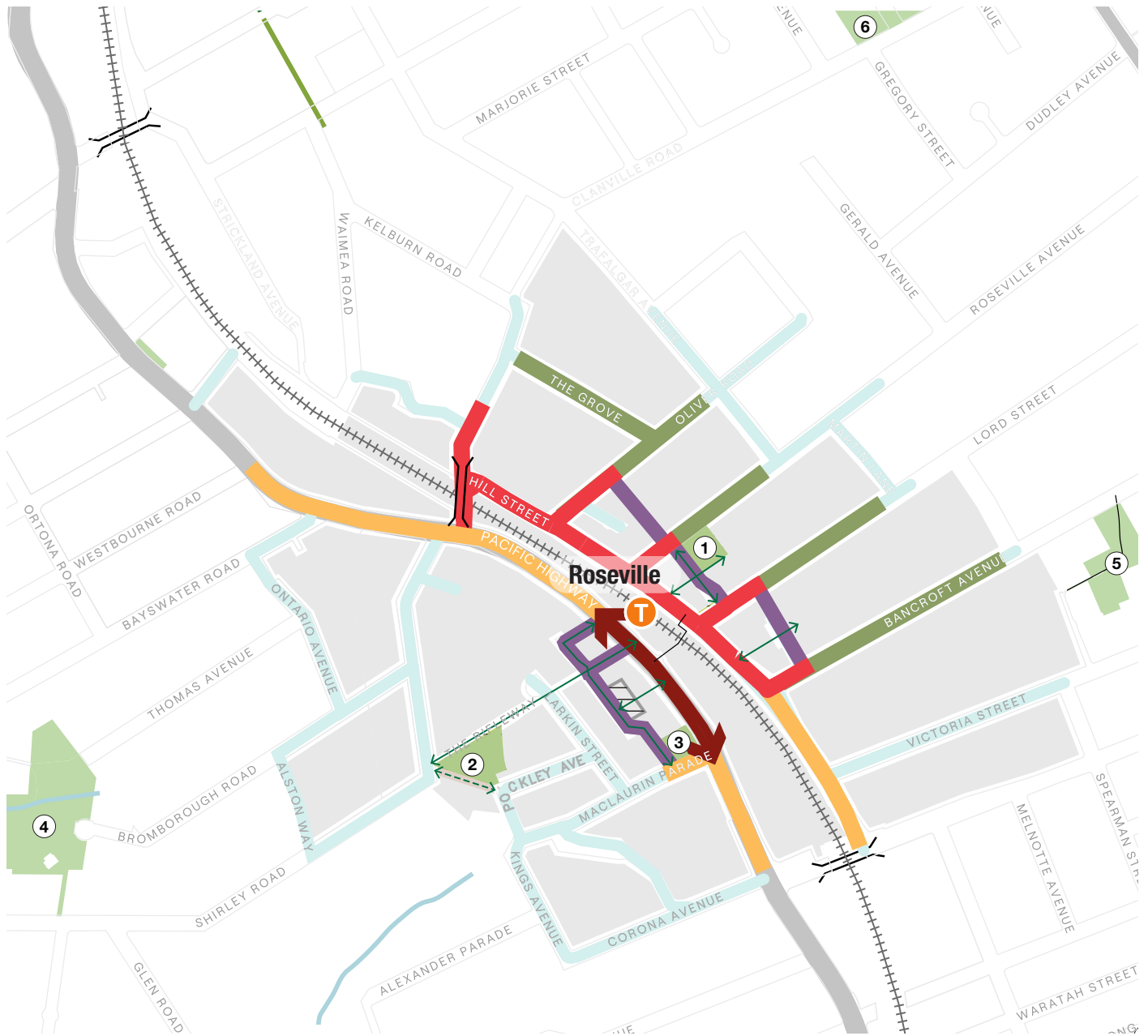


Figure A9.13 Roseville Town Centre Public Domain Strategy

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|--|---------------------------|------------------|
| ① Roseville Lane Park (New) | ③ Roseville Memorial Park | ⑤ Bancroft Park |
| ② Shirley Road / Pockley Avenue Park (New) | ④ Loyal Henry Park | ⑥ Roseville Park |

Note: For further details in relation to the above Public Domain Strategy refer to the following Council Plans and Strategies;

- Roseville Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

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|--|---------------------------------|---|------------------------------------|
| Pacific Highway to be Upgraded | Local Streets to be Upgraded | Local Centre Low Speed / High Pedestrian Zone | Train Station Overpass Connection |
| Existing Through Site Links and Arcades to be Upgraded | Local Centre Transition Streets | Local Centre Standard Streets | Open Space (Existing and Proposed) |
| New Through Site Links and Arcades | Local Centre Character Streets | New Urban Plaza | Key Point of Interest |



Figure A9.14 Roseville Town Centre Traffic and Active Transport Strategy

- ① Clanville Road & Pacific Highway Intersection Upgrade
- ② Maclaurin Parade & Pacific Highway Intersection Upgrade
- ③ Corona Avenue & Pacific Highway Intersection Upgrade

Note: For further details in relation to the above Traffic and Active Transport Strategy refer to the following Council Plans and Strategies;

- Roseville Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

- Study Area Boundary
- Separated Cycleway
- Traffic Calming / Pedestrian Accessibility
- Public Transport Routes and Stops
- Intersection Upgrades
- Proposed New Road
- Open Space (Existing and Proposed)



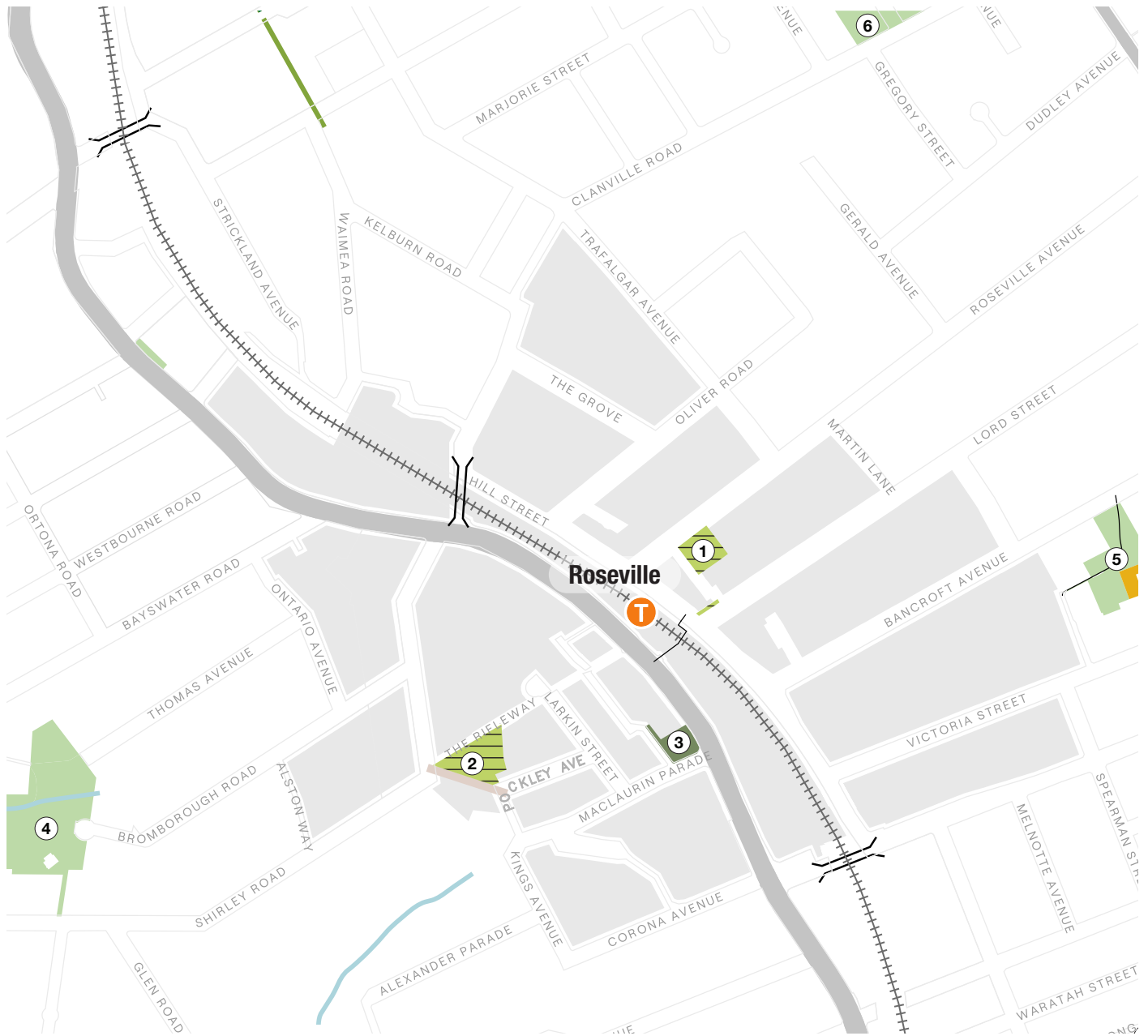


Figure A9.15 Roseville Town Centre Open Space and Community Facilities Strategy



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|--------------------------------------|---------------------------|--|
| ① Roseville Lane Park | ③ Roseville Memorial Park | ⑤ Bancroft Park & Ku-ring-gai Art Centre |
| ② Shirley Road / Pockley Avenue Park | ④ Loyal Henry Park | ⑥ Roseville Park |

Note: For further details in relation to the above Open Space and Community Facilities Strategy refer to the following Council Plans and Strategies;

- Roseville Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

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|-----------------------------------|------------------------------------|--------------------------------------|-------------------------------|
| Study Area | Existing Open Space to be Upgraded | Leased Open Space Managed by Council | Existing Community Facilities |
| Train Station Overpass Connection | Private Open Space | Future Open Space | |



Figure A9.16 Roseville Town Centre Green Grid and Canopy Cover Strategy

Note: For further details in relation to the above Green Grid and Canopy Cover Strategy refer to the following Council Plans and Strategies;

- Roseville Public Domain Plan, 2022
- Ku-ring-gai Bike Plan, 2012
- Development Contributions Plan, 2010
- Draft Green Grid Strategy, 2025
- Ku-ring-gai Local Strategic Planning Statement (LSPS), 2020

LEGEND

 Pacific Highway	 Ku-ring-gai Green Grid Routes	 10% Tree Canopy Target in Mixed Use Development Areas	 No Change - Existing Retained
 Northshore Railway Line	 Open Space	 30% Tree Canopy Target in Residential Development Areas	

