

Town of Gawler Beautification Plan

PROJECT	ToG BEAUTIFICATION PLAN
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Introduction & Project Purpose

The Town of Gawler Beautification Plan is intended to identify and prioritise strategies to improve the overall appearance of the Gawler Township over time. These strategies include maintenance initiatives and capital works upgrades.

The Town of Gawler Beautification Plan:

- Assesses the condition and character of existing town entries, and identifies management boundaries between State Government and the Town of Gawler.
- Explores and defines, with feedback from stakeholders, what 'beautification' is in respect to the Township.
- Reviews relevant case studies and examples of 'beautified' entries.
- Outlines strategies to improve service standards.
- Identifies opportunities for possible future capital work upgrades, including major projects.
- Outlines techniques to implement the strategies and opportunities identified.

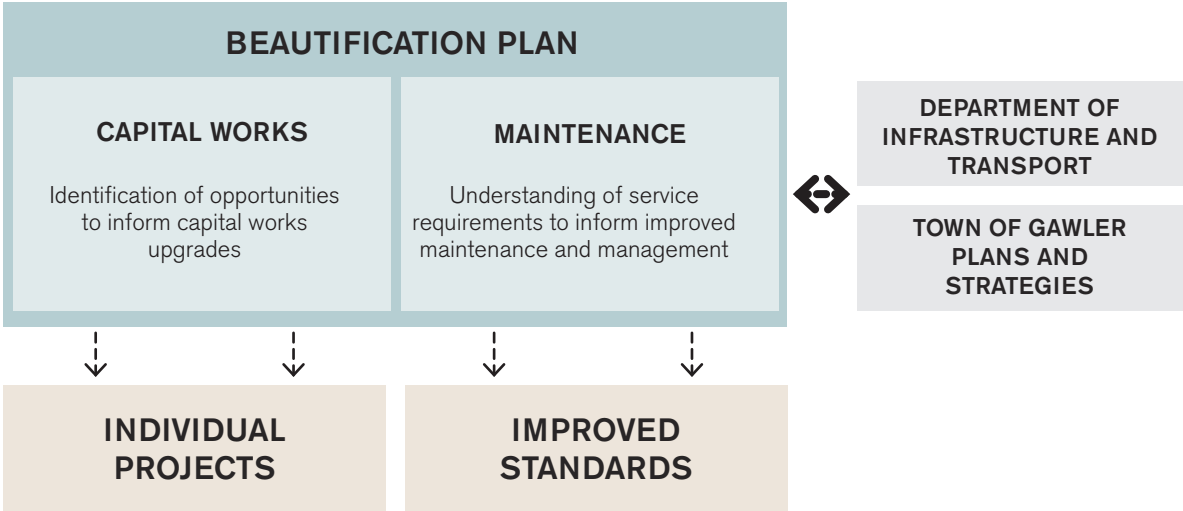
The Plan has been developed with input and collaboration from Council's administrative team and Council Members. Feedback incorporated in this Plan has been gathered through face-to-face workshops as well as questionnaires.

Strategies and opportunities identified in the Plan are intended to assist Council's strategic planning for future projects and programmes aimed at beautifying the Township.

Critical to the implementation of this Plan is ongoing collaboration with State Government agencies responsible for the maintenance of many Town of Gawler entries.

The overall intent of the Town of Gawler Beautification Plan is to:

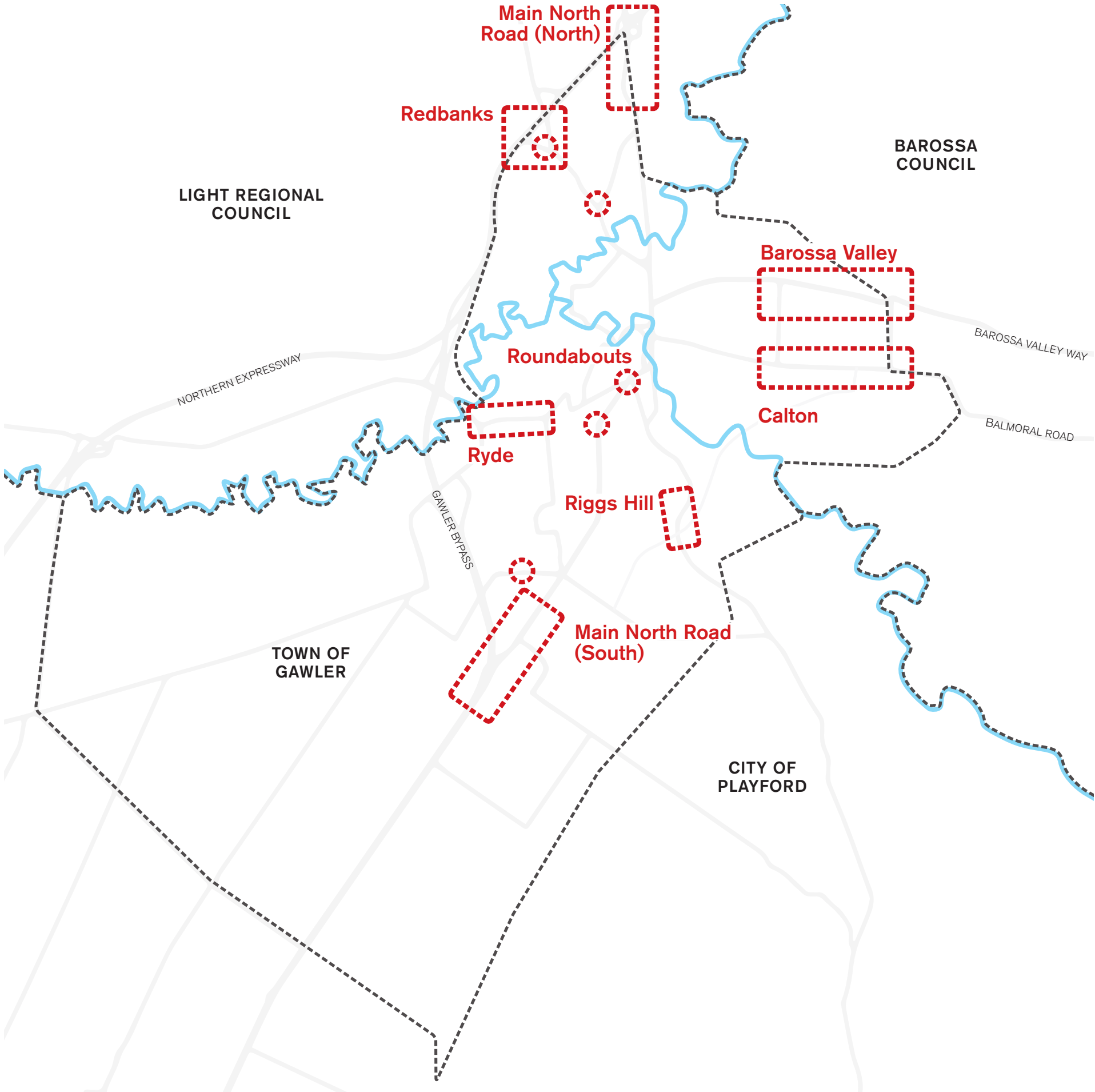
- Enhance the appearance of the township, particularly at key entries and strategic nodes.
- Reinforce a recognisable and distinct Township character.
- Improve the general cleanliness and tidiness of the Township.
- Support collaborative management and maintenance of entries through ongoing coordination with State Government.



ii
Scope
Plan

The Town of Gawler Beautification Plan includes review of existing conditions and identification the opportunities for the following key entries and nodes:

- **Main North Road Entrance** (South) (9,800 vehicles per day)
- **Redbanks Entrance** (9,600 Vehicles per day)
- **Main North Road Entrance** (North) (8,600 Vehicles per day)
- **Ryde Entrance** (7,800 vehicles per day)
- **Barossa Valley Entrance** (7,500 vehicles per day)
- **Calton Entrance** (3,300 vehicles per day)
- **Riggs Hill Entrance** (2,100 vehicles per day)
- **Roundabouts:**
 - Sixth Avenue & Main North Road
 - Fifth Avenue & Main North Road
 - Redbanks Road & Main North Road
 - Redbanks Road & Weyland Road
 - Jack Cooper Drive & Ryde Street
 - Gosford Street & Ryde Street
 - Calton Road & High Street
 - Dawson Road & Para Road



Main North Road Entrance (South)

Key Observations

- Wide dryland grass verges and medians with mixed roadside vegetation
- Underpass below Gawler Bypass, including retaining walls, paved batter sloped and mixed mid-storey vegetation
- Open views west to rural land and the Encounter Church
- Generally, no kerbs on both sides
- Generally, untidy edge treatment with overgrown dryland grass and gravel on the carriageway
- Roadside vegetation within the median and verges generally lacks structure and appears under-managed
- Weeds are evident within verges, medians and paved batter slopes on the western side of the overpass
- Litter is evident along the road edge
- Graffiti and paint marks are evident along a retaining wall on the western side of the underpass

1	DPTI road signage (overhead)
2	Wide dryland grass verge and median with mixed vegetation, primarily including eucalypts, callistemons and casuarinas.
3	Established copse of eucalypts along boundary (within adjacent private property)
4	Open rural style boundary fencing
5	Open views to Encounter Church
6	Dryland grass verge with medium-large shrubs
7	Overpass above
8	Dryland grass verge with paved batter
9	'Welcome to Gawler' signage
	Property boundary
	DIT Maintained
	ToG Maintained



SITE PLAN

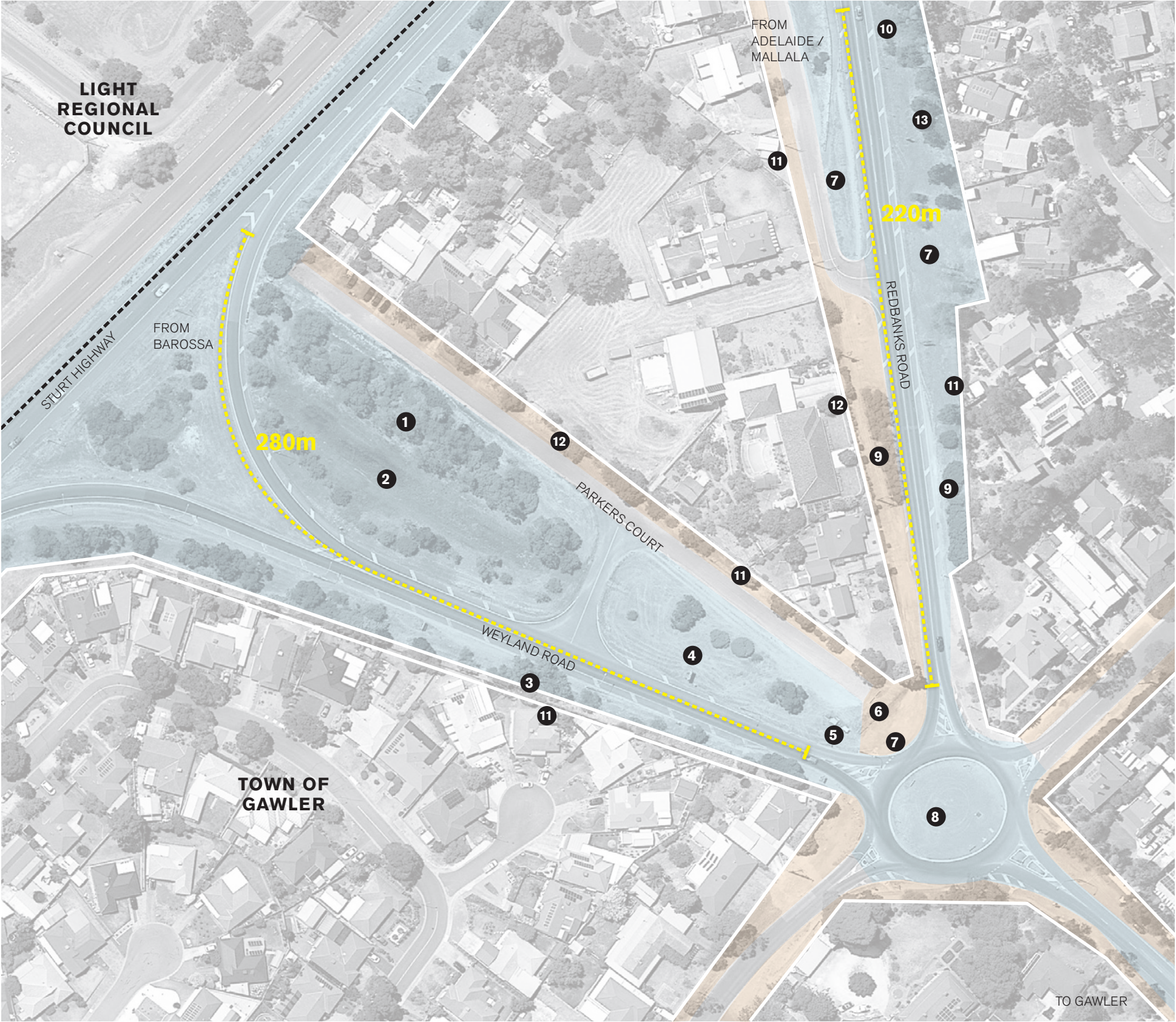


Redbanks Entrance

Key Observations

- Wide dryland grass verges and medians with mixed roadside vegetation
- Underpass below Gawler Bypass, including retaining walls, paved batter sloped and mixed mid-storey vegetation
- Open views west to rural land and the Encounter Church
- Generally, no kerbs on both sides
- Generally, untidy edge treatment with overgrown dryland grass and gravel on the carriageway
- Roadside vegetation within the median and verges generally lacks structure and appears under-managed
- Weeds are evident within verges, medians and paved batter slopes on the western side of the overpass
- Litter is evident along the road edge
- Graffiti and paint marks are evident along a retaining wall on the western side of the underpass

1	Buffer vegetation, including scattered eucalypts & shrubs
2	Dryland grass stormwater basin (low point)
3	Roadside vegetation, including small trees and shrubs
4	Dryland grass reserve with isolated shrubs & a small eucalypt
5	Electrical transformers
6	Earth mounding
7	Dryland grass verge
8	Rubble verge / roundabout
9	Row of Callistemons / small trees
10	Town of Gawler entrance signage & DPTI road signage
11	Solid boundary fences (various colours and styles)
12	Open boundary fences (various styles)
13	Row of established eucalypts
----	Council LGA boundary
---	Property boundary
	DIT Maintained
	ToG Maintained



SITE PLAN

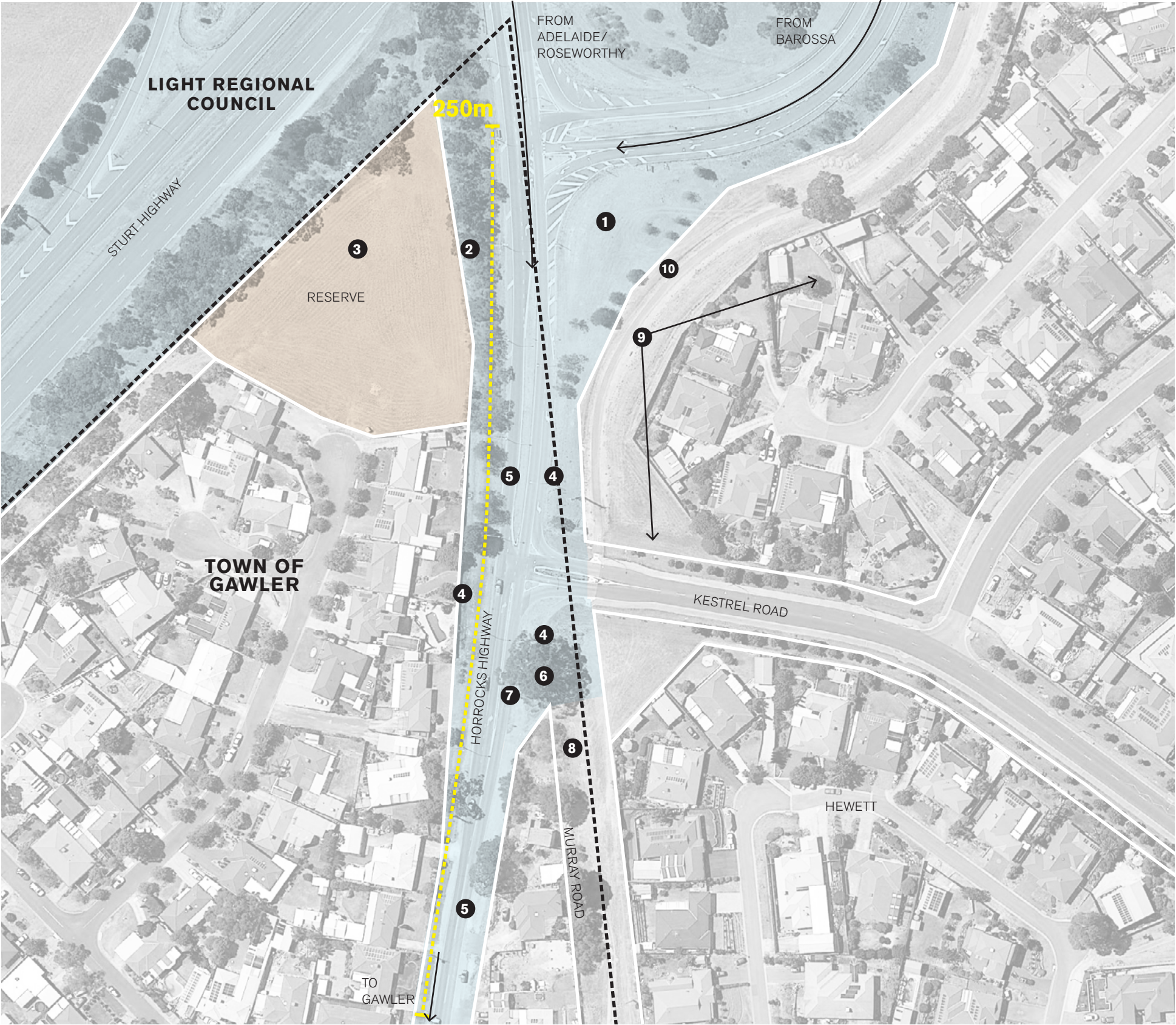


Main North Road (North) Entrance

Key Observations

- Wide dryland grass / rubble verges on both sides with few street trees
- Open views of the Gawler township looking west
- Dryland grass verges appear dry and weeds are evident
- Untidy (no kerb) edge treatment is visually prominent
- Roadside vegetation appears unstructured and requires management
- Opportunities for major entrance signage / art, particularly on earth mounds adjacent the Sturt Highway

1	Earth mounding
2	Vegetation buffer, including medium eucalypts and mid-storey shrubs
3	Council reserve (not visible from road)
4	Dryland grass verge
5	Rubble verge / median
6	Row of large established eucalypts
7	'Welcome to Gawler' entrance signage
8	Overhead power lines
9	Elevated views across Gawler
10	Off-road shared path
---	Council LGA boundary
---	Property boundary
Blue	DIT Maintained
Orange	ToG Maintained



SITE PLAN

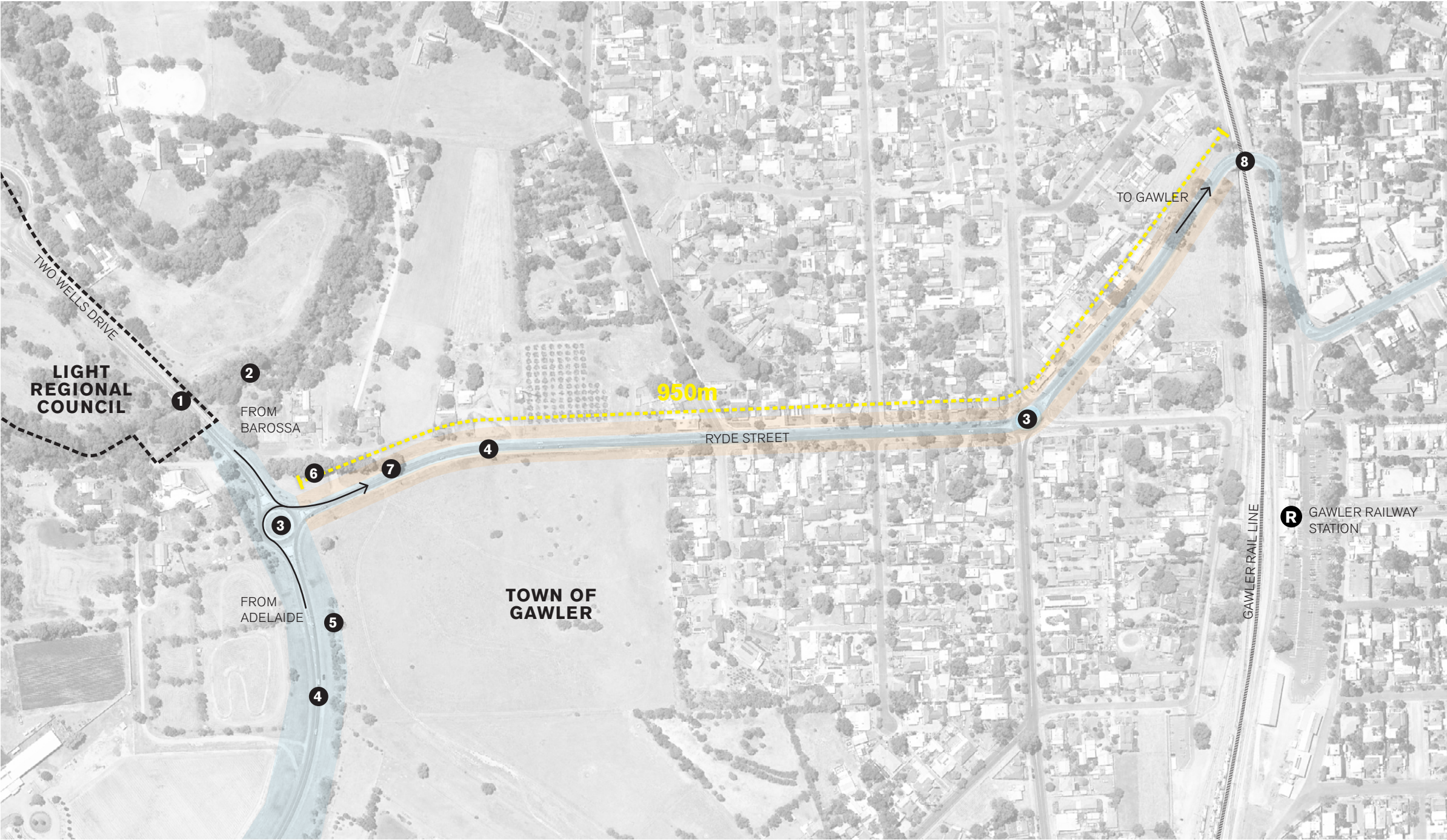


Ryde Street Entrance

Key Observations

- An open landscape with views to rural land and the edge of the Gawler township
- Established vegetation along the Gawler River corridor
- Wide dryland grass / rubble verges
- Scattered vegetation along the road edge
- Tree planting lacks continuity and structure
- Narrow carriageway
- Untidy edge treatment with no kerbs and wide gravel shoulders

1	Bridge crossing over the Gawler River / Metta Watte
2	Established vegetation corridor along the Gawler River / Metta Watte
3	Gravel roundabout
4	Gravel shoulder and wide dryland grass verge
5	Buffer vegetation comprising small eucalypts
6	Dryland grass reserve with established pine trees (low point)
7	'Welcome to Gawler' signage
8	Overway Bridge
---	Council LGA boundary
	DIT Maintained
	ToG Maintained



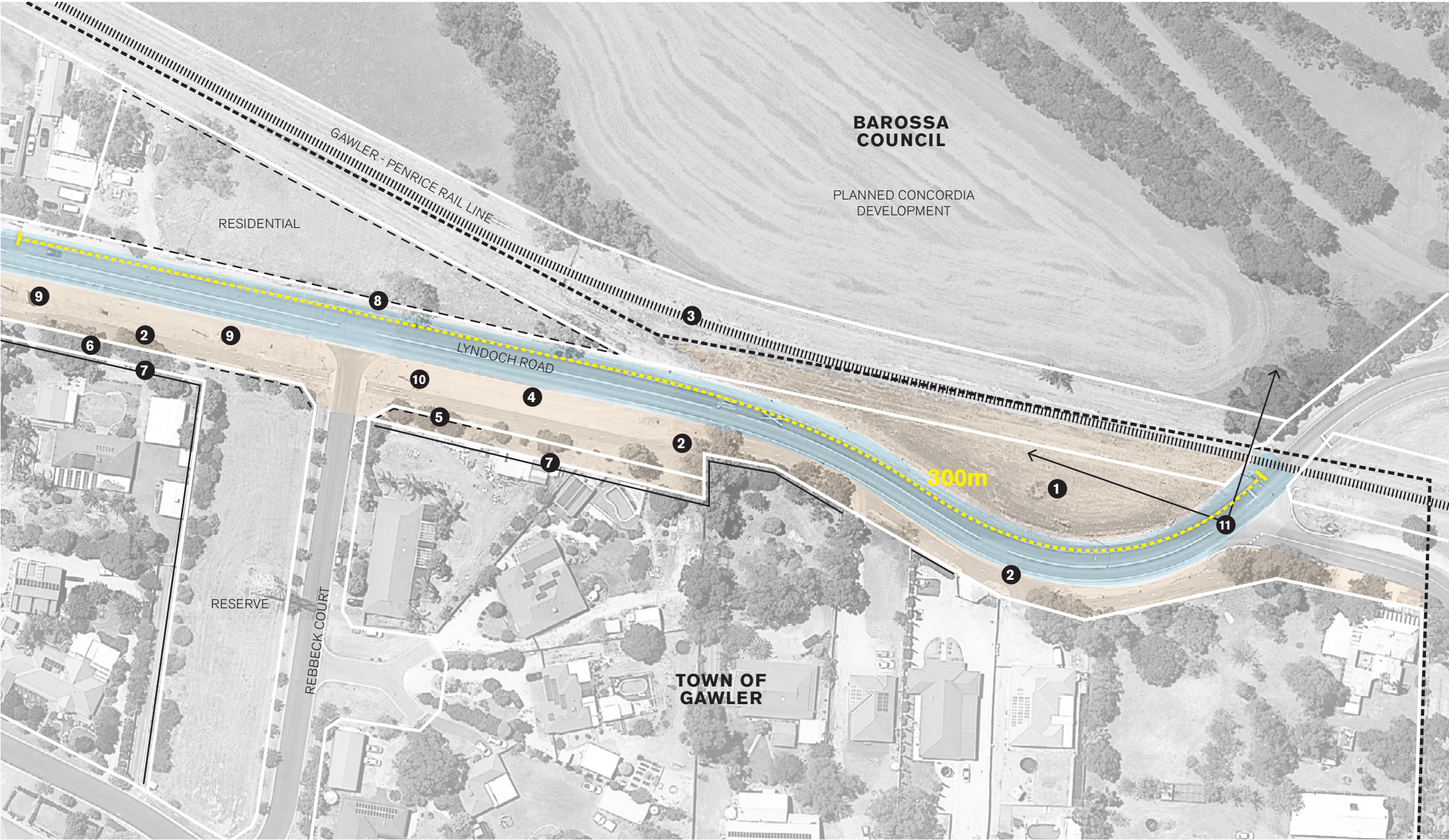
SITE PLAN

Barossa Valley Entrance

Key Observations

- Open views of private rural land and groups of mature eucalypts to the north (future Concordia development)
- Wide gravel verges with no street trees
- Sealed off-road shared path within the southern verge
- Cluttered entrance signage
- Untidy edge treatment is visually prominent
- Overgrown vegetation / dryland grass within the rail corridor
- Weeds evident within wide gravel verges
- Buffer vegetation appears unstructured and requires management
- Private banner signs clutter the verge

1	Dryland grass verge (low lying area)
2	Off-road shared path
3	Gawler - Penrice rail line
4	Wide rubble verge
5	Row of <i>Koelreuteria</i> trees
6	Buffer planting, including small-medium eucalypts and isolated shrubs
7	Solid boundary fencing (colours and styles vary)
8	Open rural style fencing
9	Signage
10	High voltage overhead power lines
11	Open views to adjacent rural land (future Concordia development)
---	Council LGA boundary
---	Property boundary
---	DIT Maintained
---	ToG Maintained



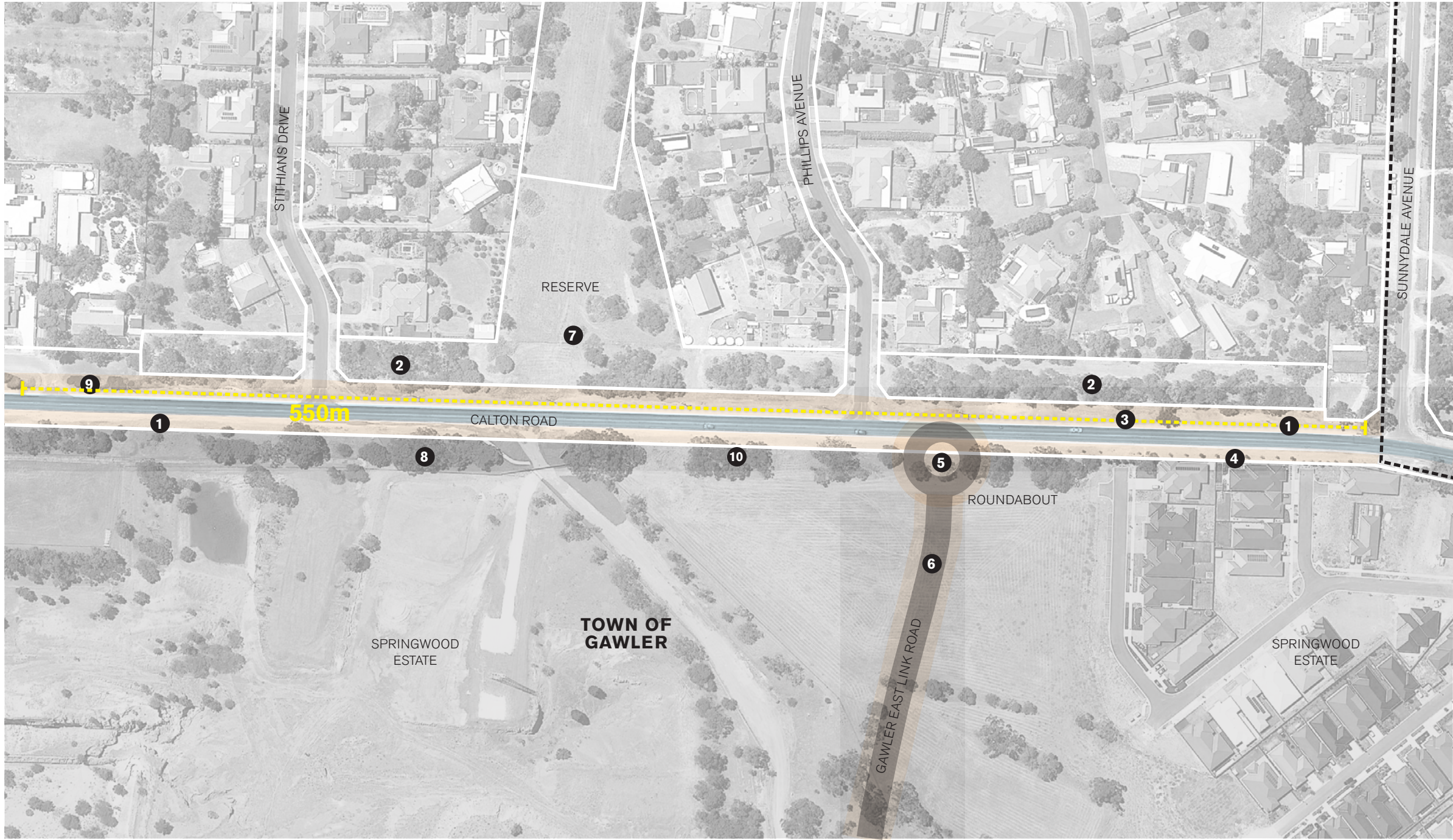
SITE PLAN

Calton Road Entrance

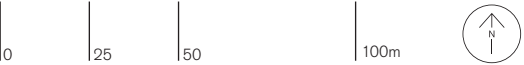
Key Observations

- A narrow carriageway with no kerbs and gravel shoulders
- Wide gravel verges on the southern side with no street trees
- Wide dryland grass / gravel verges with established vegetation on the northern side
- Overhead power lines on the northern side
- Future Springwood Estate development and Gawler East Link Road, including roundabout, to the south
- No street trees along the southern side
- Established buffer vegetation on the northern side
- No footpath
- No kerbs on both side

1	Wide rubble/gravel road shoulder (both sides)
2	Wide dryland grass reserve with established medium-large eucalypts and shrubs
3	Overhead power lines (north)
4	Row of corymbias and solid boundary fencing
5	New roundabout (under construction)
6	New Gawler East Link Road (under construction)
7	Open dryland grass reserve with high voltage overhead power lines
8	Established row of large eucalypts within private property (Springwood Estate)
9	Row of established shrubs
10	Open mesh fencing (Springwood Estate)
-----	Council LGA boundary
---	Property boundary
	DIT Maintained
	ToG Maintained



SITE PLAN

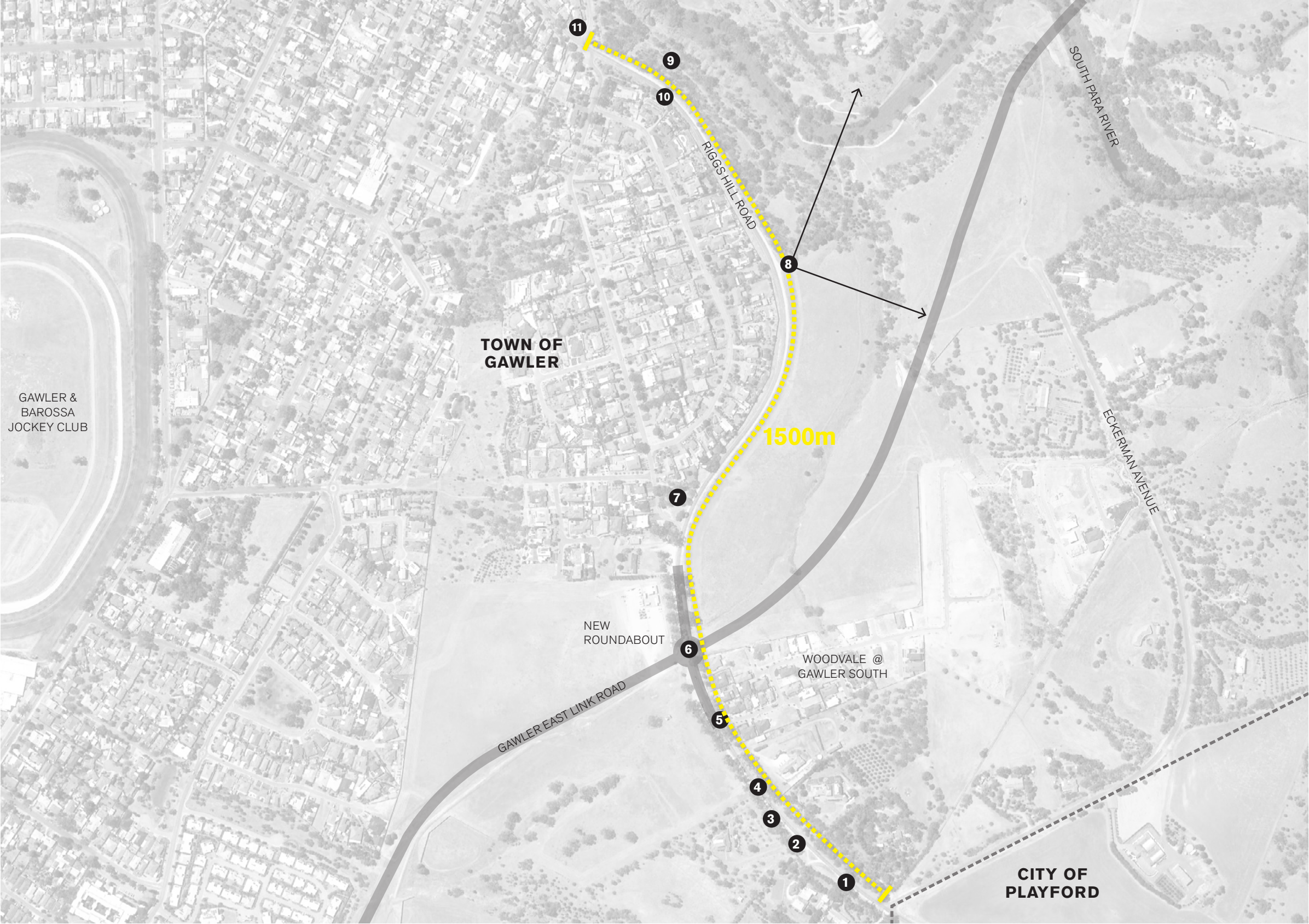


Riggs Hill Entrance

Key Observations

- Established avenue of mature eucalypts along the road edge on both sides (trees are within private property)
- Elevated views across the Gawler township and Dead Man's Pass Reserve
- Narrow road carriageway with wide gravel shoulders
- Generally, an open rural character approaching the Gawler township
- Construction of the Gawler East Link Road and roundabout
- Untidy edge with no kerbs on both sides
- Planting within the northern reserve appears unstructured and requires management
- Linemarking requires renewal

1	'Welcome to Gawler' signage
2	Wide gravel / dryland grass verge
3	Avenue of mature eucalypts along boundaries on both sides (within private properties)
4	Open rural style boundary fencing on both sides
5	Entrance to Woodvale @ Gawler South (lawn verge and fencing)
6	New roundabout (under construction)
7	Reserve with dryland grass and groups of small-medium size eucalypts
8	Views across valley and new Gawler East Link Road
9	Dead Man's Pass reserve comprising established small-medium eucalypts and shrubs
10	Dryland grass embankment with small-medium shrubs
11	Reserve with mulched planting beds and small eucalypts
-----	Council LGA boundary



SITE PLAN



Tanunda

Murray Street

Key Features

1	Stone retaining walls
2	Verge planting
3	Street trees
4	Background planting
5	Gateway signage

Key Observations

- Extensive trees and irrigated underplanting
- High standard of maintenance
- Natural stone walls
- Gateway 'feel'



Murray Bridge

Adelaide Road

Key Features

- | | |
|---|---|
| 1 | Existing trees retained and highlighted |
| 2 | Concrete kerb & watertable |
| 3 | Passive WSUD |
| 4 | Irrigated turf |
| 5 | Planting |
| 6 | Furniture |
| 7 | Sealed footpath |

Key Observations

- Water Sensitive Urban Design
- Extensive tree clearing and pruning
- Irrigated turf and planting
- Defined road edge
- Pathways
- Moderate level maintenance



Adelaide

Sir Donald Bradman Drive

Key Features

1	Public art
2	Irrigated turf
3	Concrete kerb & watertable
4	Street trees & verge planting
5	Median trees & planting
6	Sealed path

Key Observations

- Public art
- Irrigated turf
- Groundcover planting
- Street trees (verge & median)
- Defined road edge
- High standard of maintenance



Gawler

Gawler East Link Road

Key Features

1	Verge & median street tree planting
2	Irrigated garden beds
3	Concrete kerb & watertable
4	Gravel
5	Kerb & watertable
6	Sealed path

Key Observations

- Street tree planting to verges and medians, primarily comprising deciduous species
- Irrigated planting beds, primarily comprising native species
- Sealed path connecting One Tree Hill Road to Calton Road
- Gravels used within verges and medians



Willunga

Avenue of Honour

Key Features

1	Oak tree grid
2	Row of street trees
3	Dryland grass verges
4	Gravel shoulder
5	Established buffer trees
6	Interpretive signage

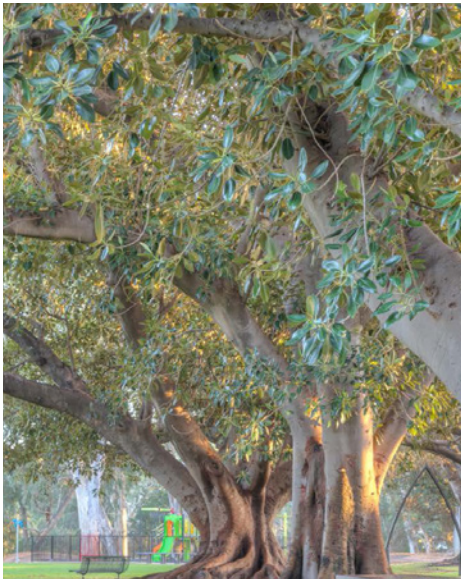
Key Observations

- Grid of Oak trees
- Row of street trees at turn-off to Willunga township
- Dryland grass verges
- Gravel shoulder
- Established Eucalypt trees along road boundaries
- Interpretive signage



Project Principles

The following project principles have been developed with Council staff following consultation with Council Members. The principles are intended to guide the future development of entries and key nodes within the Town of Gawler.



Town Pride

- Recognise the unique character and Sense of Place of Gawler.
- Ensure elements, materials and planting reinforce the existing character and contribute to the Town's identity and pride.



Bold & Simple

- Promote bold, simple and pragmatic design that will be long lasting and easily maintained.
- Consider scale and the interpretation of elements while travelling at high speed.



Legacy

- Consider tree species selection and placement that will contribute to the Township's ongoing tree legacy.
- Ensure elements and materials that are robust and long lasting.



Environment & Greening

- Consider integration of best practice green infrastructure and Water Sensitive Urban Design techniques.
- Consider selection of sustainable materials and elements.

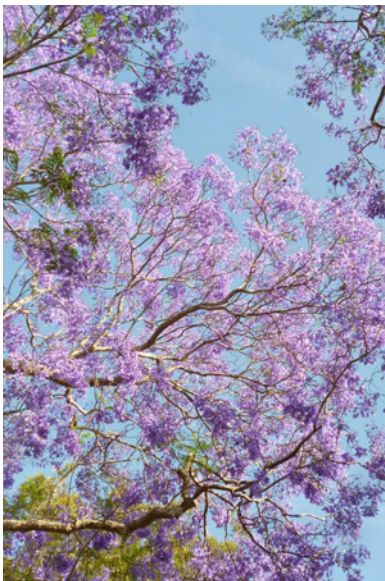


Management & Maintenance

- Consider long term maintenance and management by Council and other State Government Agencies.
- Coordinate with adjacent Council's and State Government Agencies.
- Consider future upgrades and liaise as necessary with adjacent land owners so ensure consistency.

Project Strategies

The following key strategies are intended to guide improvement of the amenity and appearance of key entries and nodes within the Township. These strategies relate to major projects and ongoing management techniques.



New Strategic Tree Planting

- Provide new strategic tree planting consistent with State Government and Authority guidelines.



Improved Maintenance

- Ensure agreed service standards are been undertaken for general maintenance of road corridors.



Existing Vegetation Management

- Coordinate tree pruning with State Government and other Agencies.
- Remove existing vegetation in poor condition.
- Uplift vegetation to enhance amenity and maintain sightlines.



Signage & Roadside Infrastructure

- Consolidate roadside signage to reduce clutter.
- Investigate opportunities to provide new strategic entrance signage in key locations.



Road Renewal

- Coordinate with State Government for regular renewal of linemarking, road surface, kerbing and shoulder.

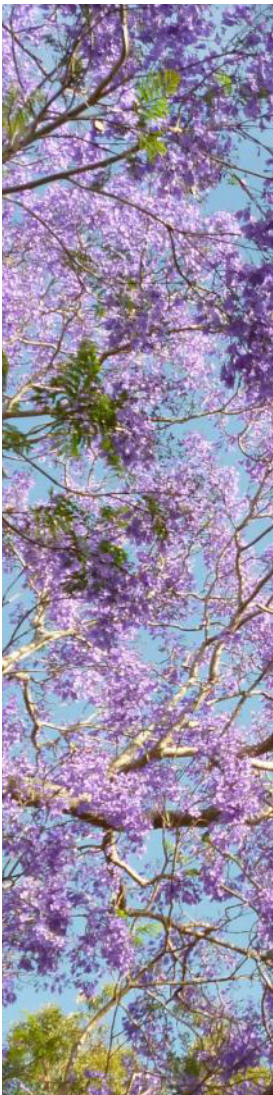


Rubbish & General Cleanliness

- Ensure regular removal of litter, graffiti and weeds.

Desired
Character

The following images depict the possible landscape character for entries and key nodes within the Township.



Current & Planned Beautification Projects

The following projects have been recently completed or are planned within the Township. They provide an example of the standard of upgrade envisioned for other Township entries and nodes.



East Link Road

- Street trees
- Low maintenance groundcover planting
- Wide footpath
- Water Sensitive Urban Design initiatives



Walker Place

- Paving
- Street trees
- Groundcover planting
- Furniture
- Lighting
- Signage and wayfinding



Murray Street Stage 6

- Bridge balustrade upgrade
- Groundcover planting
- Street trees
- Footpath upgrade
- Furniture
- Public art



Roundabouts

- Low maintenance groundcover planting
- Gravel banding
- Steel edging



Other Projects

- Landscaping Along Main North Road adjacent the Home Maker Centre, Barnett Road and Gawler Green
- Landscaping at Potts Road
- Landscaping at the Roundabouts – Potts Road, One Tree Hill Road and Carlton Road
- Landscaping along Gawler East Link Road - Bebo Arch crossing, South Para River, road street trees
- Springwood – Street tree installations
- Walker Place Redevelopment
- Apex Park
- Julian Terrace Pocket Park (site of existing toilet)
- Murray Street Stage 7
- HemaFord Grove Playspace

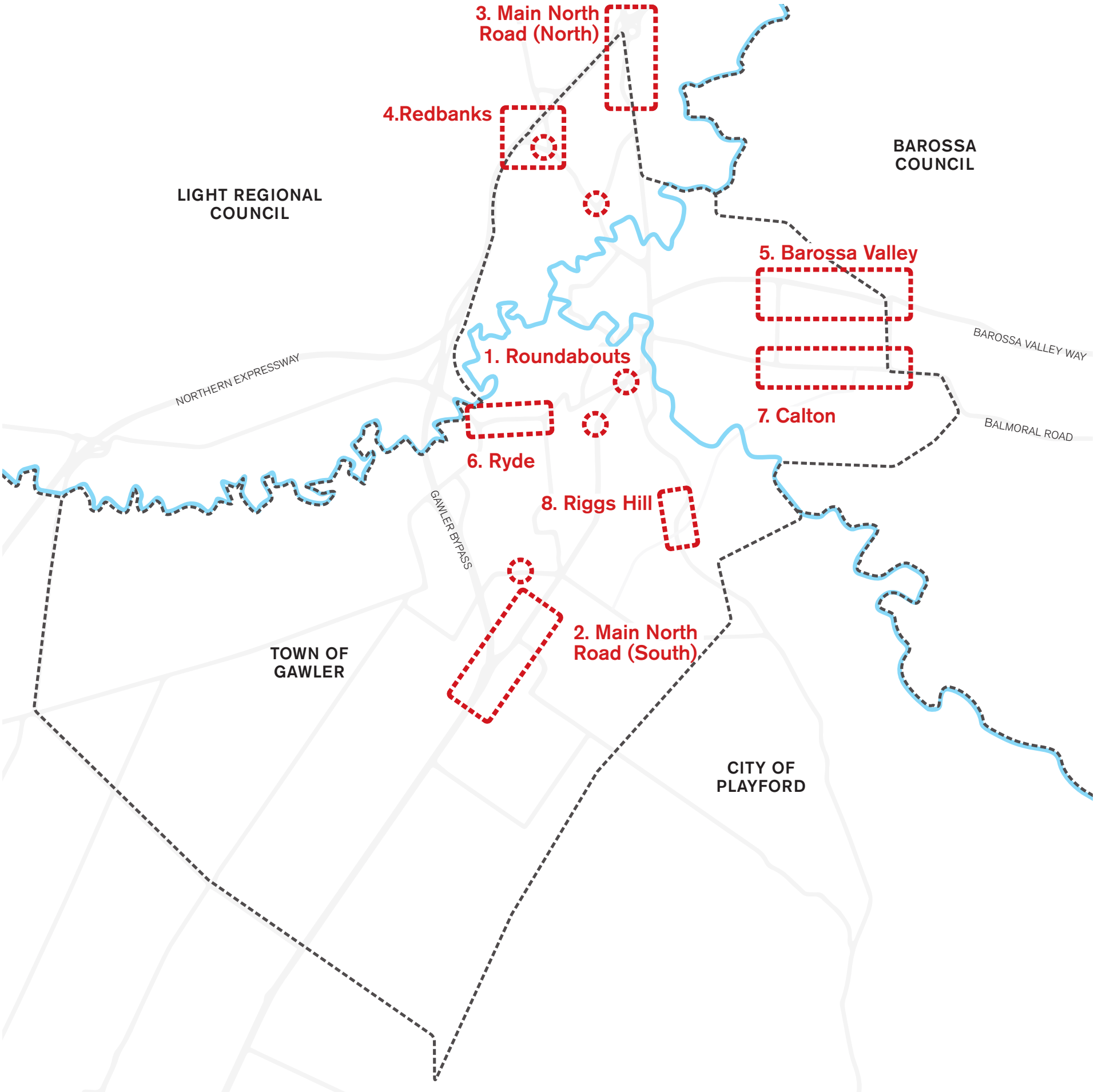
Opportunities & Priorities

The following section identifies opportunities for each of the entries and nodes consistent with the project objectives and principles.

The opportunities illustrated are intended to be indicative only and should be further developed on an individual project basis subject to funding and budget allocations.

The below list is in order of current priority for upgrade:

- 1. Roundabouts
 - Sixth Avenue & Main North Road
 - Fifth Avenue & Main North Road
 - Redbanks Road & Main North Road
 - Redbanks Road & Weyland Road
 - Jack Cooper Drive & Ryde Street
 - Gosford Street & Ryde Street
 - Calton Road & High Street
 - Dawson Road & Para Road
- 2. Main North Road (South) Entrance
- 3. Main North Road (North) Entrance
- 4. Redbanks Entrance
- 5. Barossa Valley Entrance
- 6. Ryde Entrance
- 7. Calton Entrance
- 8. Riggs Hill Entrance



01
Roundabouts



OPPORTUNITY

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding

The following illustration provides an example of opportunities for key roundabouts within the Township.

This example includes a practical and robust treatment that contributes to local amenity while considering maintenance.

Key Opportunities

- 1. Feature tree planting
 - Species selection to consider sight lines
- 2. Simple groundcover planting
 - Low species to maintain sight lines
 - Low maintenance
 - Irrigated where practical
 - Opportunities to incorporate WSUD
- 3. Simple gravel banding (accommodating maintenance vehicle access and parking)
- 4. Steel edging
- 5. Concrete apron



EXISTING EXAMPLE

02

Main North Road (South) Entrance

Main North Road (south) is the most commonly used vehicle entrance to the Township, accommodating approximately 9,800 vehicles per day.

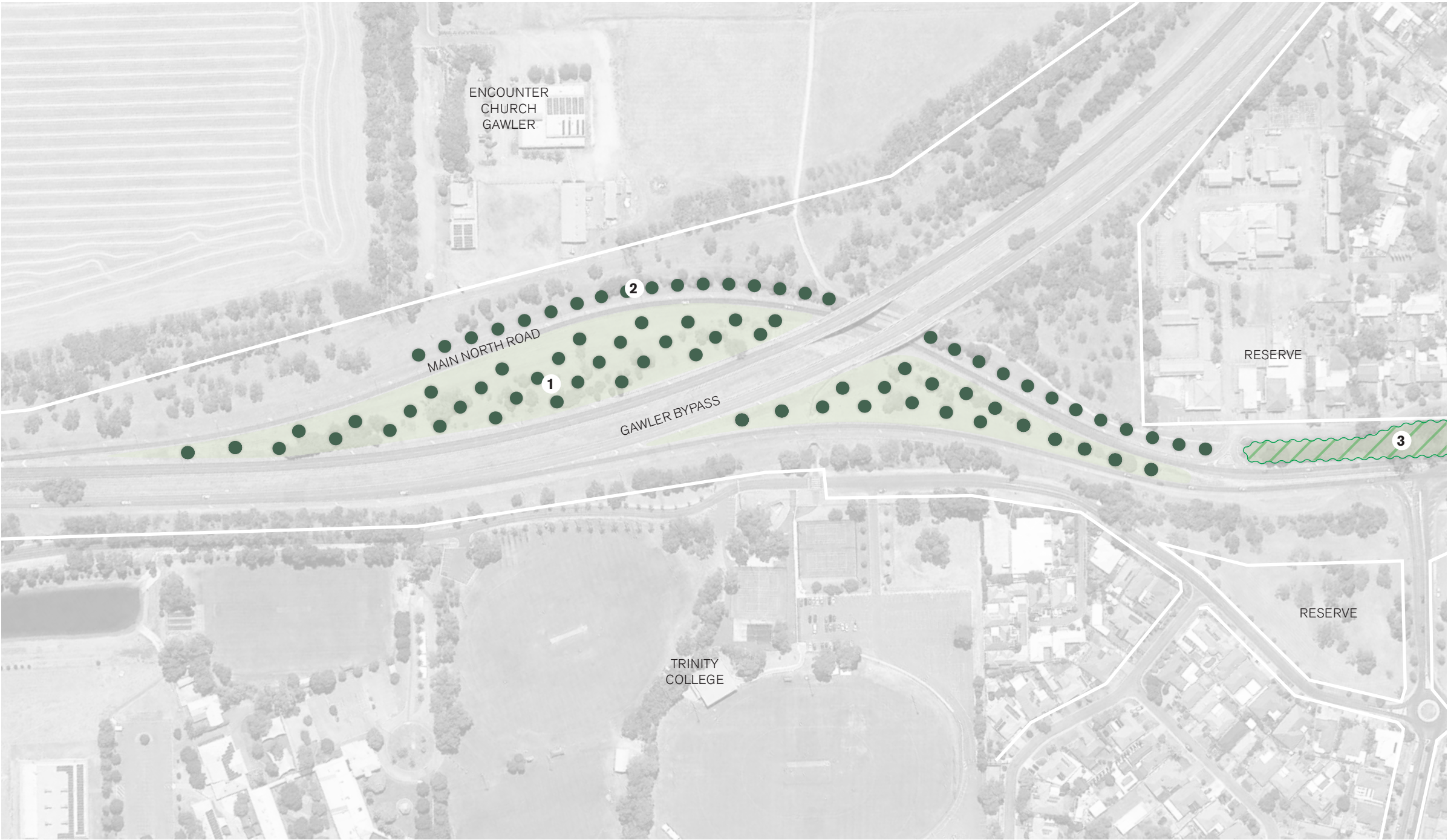
New tree planting is the primary opportunity to improve amenity and provide a distinct and memorable entrance to the Township.

Project Opportunities

- 1. Structured feature tree planting
 - Structured feature tree planting within reserves and wide verges
 - Preference for deciduous species with autumn colour
- 2. New avenue tree planting
 - Avenue tree planting along the road reserve
 - Preference for native species
 - Requires selective tree and shrub removal
- 3. Vegetation management
 - Uplift and infill existing tree planting
 - Selective removal of trees in poor health

Other Considerations

- Major upgrade of roadway
 - Council and DIT coordination required
- Review service levels
 - General cleanliness
 - Tiver Road intersection



OPPORTUNITIES PLAN

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding

02
Main North Road
(South) Entrance



- 1. Structured feature tree planting (deciduous)
- 2. New Avenue street tree planting (native evergreen)
- 3. Existing vegetation management
- 4. Dryland grass verges

OPPORTUNITY

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding



EXISTING

03

Main North Road (North) Entrance

Main North Road (south) is a major entrance from the north, accommodating approximately 8,600 vehicles per day.

The primary opportunity for this entrance is to create a greater sense of arrival into the Township with new tree planting and possible feature signage.

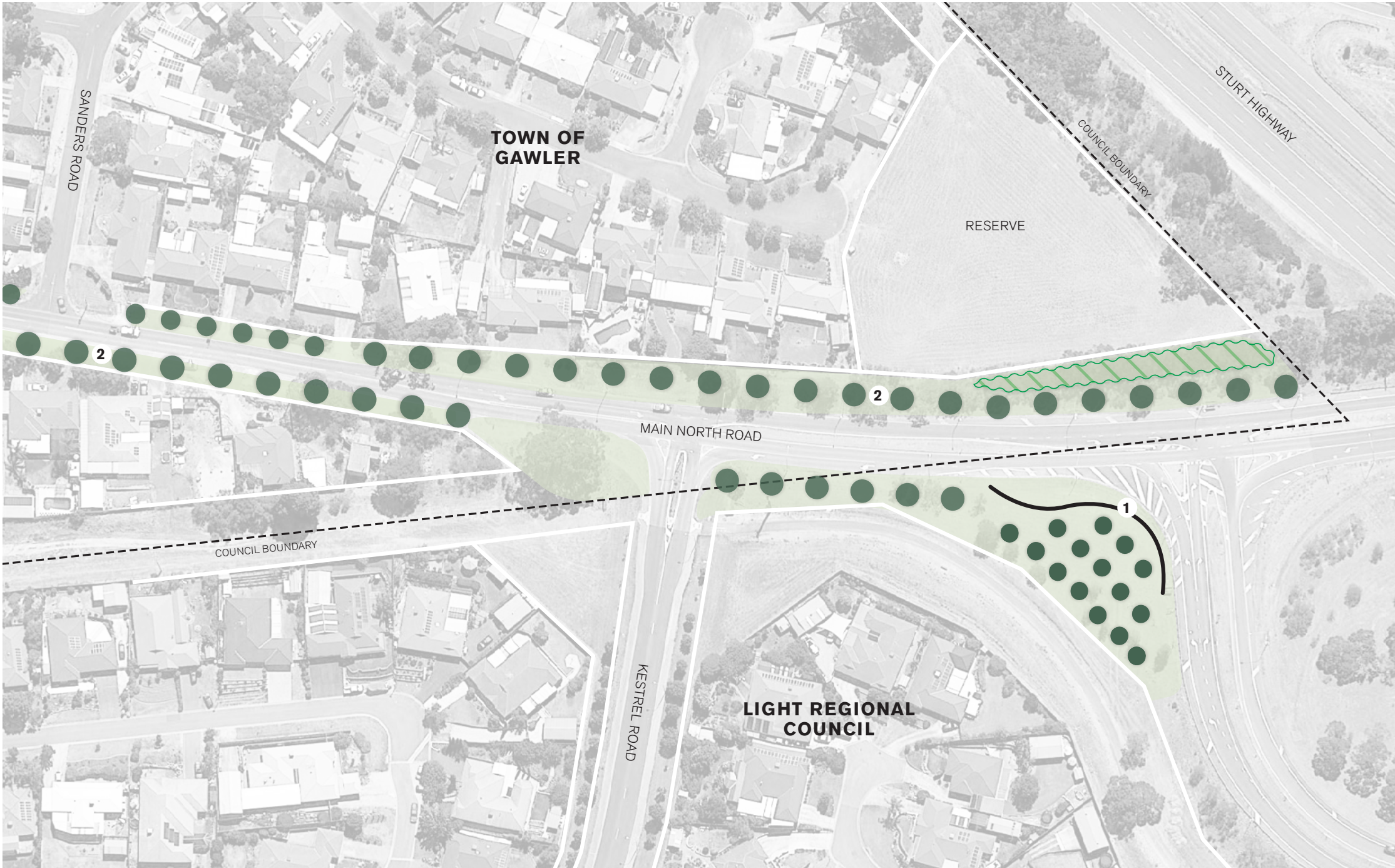
Project Opportunities

- 1. Entry statement
 - Enhance sense of arrival
 - Possible signage and feature tree planting
 - Coordination with DIT and Light Regional Council
- 2. Street tree planting
 - Street tree planting on both sides of Main North Road
 - Requires selective tree and shrub removal

Other Considerations

The following opportunities have been identified for the length of Main North Road to Murray Street:

- Shoulder upgrade (coordinated with DIT)
- Central median planting (coordinated with installation of new islands)



OPPORTUNITIES PLAN

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding

03
Main North Road
(North) Entrance



- 1. Feature entrance statement, including possible feature signage and trees
- 2. New street trees and vegetation management of existing planting
- 3. Existing trees and signage retained
- 4. Dryland grass verges
- 5. Possible planting around signage and at key strategic locations



OPPORTUNITY *Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding*

EXISTING

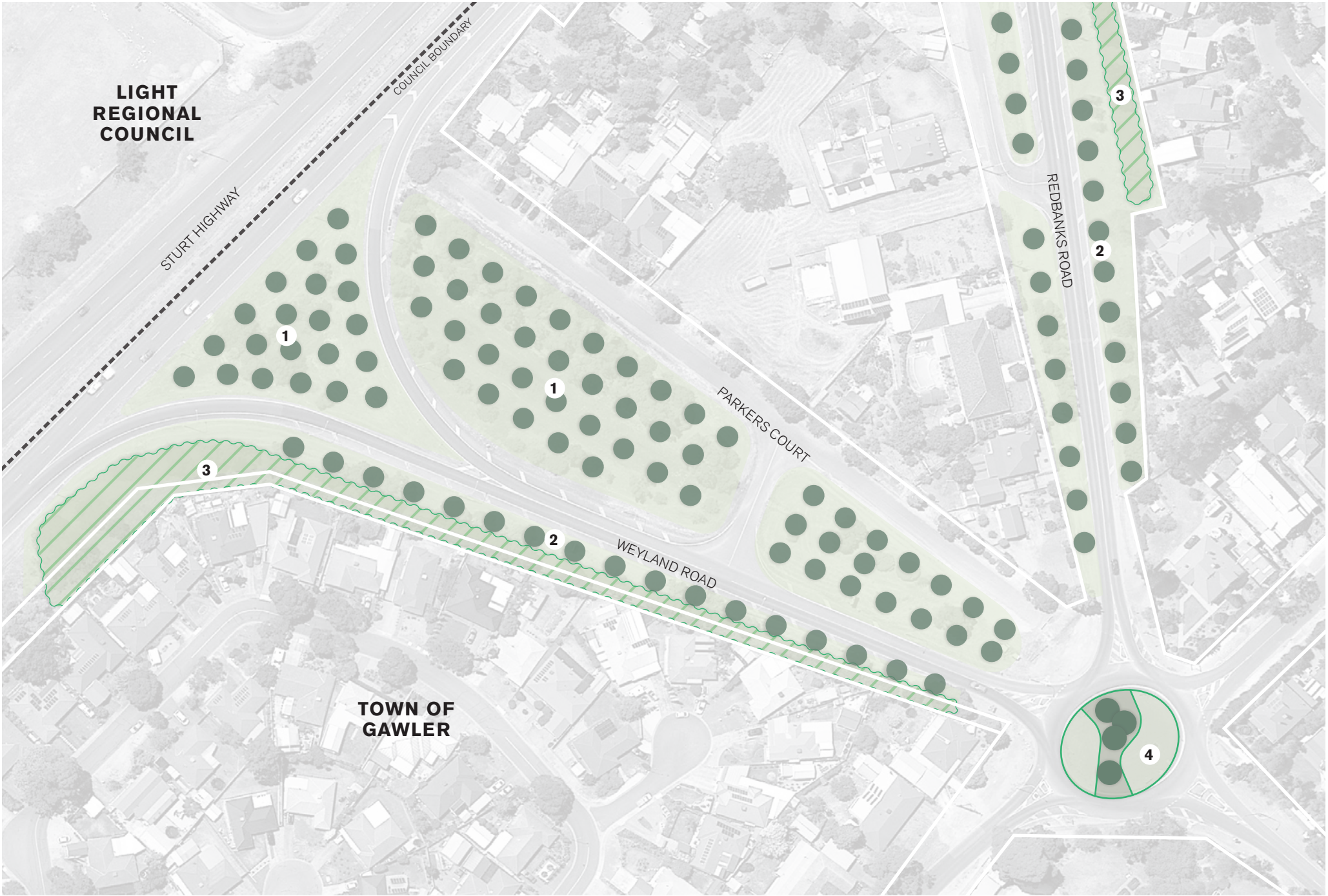
04
Redbanks
Entrance

The Redbanks / Weyland Road entrance is the second most commonly used by vehicles, accommodating approximately 9,600 vehicles per day.

The primary opportunity for this entrance the sense of arrival with new structured tree planting and vegetation management.

Project Opportunities

- 1. Structured tree planting
 - Enhance sense of arrival
- 2. New street tree planting
 - Requires removal of some shrubs and trees
- 3. Vegetation management
 - Uplift and infill existing trees along boundaries and fences
- 4. Roundabout upgrade
 - Refer 01 Roundabouts for further information



OPPORTUNITIES PLAN

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding

04
Redbanks
Entrance



OPPORTUNITY

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding

- 1. Structured tree planting, including feature species
- 2. New street tree planting
- 3. Vegetation management along boundaries
- 4. Dryland grass verges (possible WSUD opportunity)



EXISTING EXAMPLE

05
Barossa
Entrance

The Lyndoch Road entrance accommodates approximately 7,500 vehicles per day and is the primary entrance used by visitors travelling from the Barossa Valley.

Significant change is anticipated for this entrance with the planned Concordia development located to the north. Additional tree planting within reserves and verges is a key opportunity to provide a distinct and recognisable entrance to the Township.

Project Opportunities

The following opportunities have been identified for the length of Lyndoch Road to Murray Street:

- 1. New street tree planting (staged approach to replacement of existing eucalypts)
- 2. Footpath and verge upgrade (consistent rubble verges)

The following opportunities have been identified for the arrival into the Township from the Barossa Valley:

- 3. Structured tree planting
 - Primarily deciduous species
 - Enhance sense of arrival
 - Opportunity for WSUD
- 4. New street tree planting
 - New street tree planting required removal of some shrubs and trees

Note: Any future works should be coordinated with the Concordia Development



OPPORTUNITIES PLANS

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding



05
Barossa
Entrance



- 1. Structured feature tree planting
- 2. Street tree planting
- 3. Dryland grass / rubble verges (WSUD)

OPPORTUNITY

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding



EXISTING EXAMPLE

06
Ryde
Entrance

The Ryde Street entrance accommodates approximately 7,800 vehicles per day.

Primary streetscape opportunities include additional tree planting and roundabout upgrades. Additional opportunities identified include the upgrade of Overway Bridge to accommodate safer pedestrian access.

Project Opportunities

- 1. Roundabout upgrades
 - Ryde Street & Jack Cooper Drive
 - Ryde Street & Gosford Street
 - Refer '01 Roundabouts' for further information
- 2. New street tree planting
 - Ryde Street from Jack Cooper Drive to Penrith Avenue
 - Jack Cooper Drive from Angle Vale Road to Ryde Street
- 3. Infill street tree planting
 - Ryde Street from Penrith Avenue to Overway Bridge

Other Considerations

- The following additional opportunities have been identified:
- Pedestrian access improvement at Overway Bridge
 - Footpath and verge upgrade (consistent rubble verges)



OPPORTUNITIES PLAN

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding

06
Ryde
Entrance



- 1. Street tree planting (deciduous on northern side & evergreen on the southern side)
- 2. Dryland grass verges
- 3. Rock swale at stormwater pit
- 4. Rubble shoulder retained

OPPORTUNITY

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding



EXISTING

07

Calton Entrance

The Calton entrance currently accommodates approximately 3,300 vehicles per day. This is anticipated to increase with the development of the Springwood Estate and completion of the Gawler East Link Road.

Opportunities for Calton Road include additional street tree planting, new kerbing , and uplift and infill of existing native tree planting within verges.

Project Opportunities

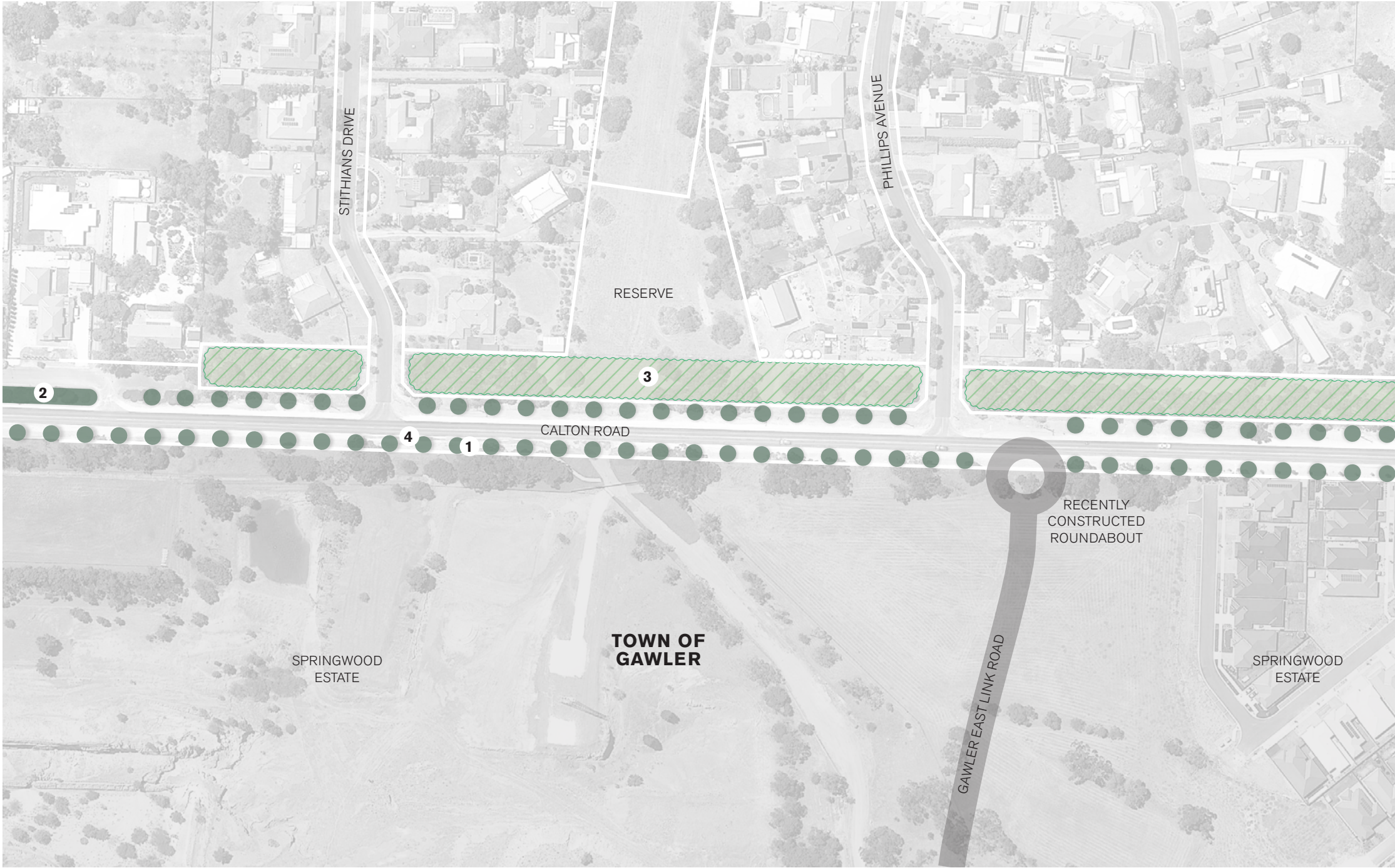
- 1. Street tree planting
 - Primary opportunity along Springwood Estate (timing to align with development sequence)
 - Possible opportunity along northern side (under power lines)
- 2. Retention of Melaleuca hedge
 - Maintain and manage existing Melaleuca hedge
- 3. Vegetation management
 - Uplift and infill existing vegetation within verges and reserves
- 4. New kerbing
 - New kerbing along both sides (coordinated with Springwood Estate)

Other Considerations

The following opportunities have been identified for the length of Calton Road to Murray Street:

- Future roundabout at Cheek Road
- New street tree planting (staged approach to replacement of existing eucalypts)
- Footpath and verge upgrade (consistent rubble verges)

Note: Any future works should be coordinated with Springwood Estate



OPPORTUNITIES PLAN

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding



07
Calton
Entrance



- 1. Street tree planting
- 2. Retention of Melaleuca's along Melaleuca Drive (slip lane)
- 3. New kerbing
- 4. Dryland grass / rubble verges
- 5. Possible new path (in coordination with Springwood)



OPPORTUNITY *Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding*

EXISTING

08

Riggs Hill Entrance

The entrance from One Tree Hill Road is currently the least utilised with approximately 2,100 vehicles per day.

The existing rural character of this entrance can be built upon with additional street tree planting, management of existing shrub planting and possible feature signage.

Project Opportunities

- 1. Street tree planting
 - Street tree planting (predominantly native species)
- 2. Entry statement
 - Enhance sense of arrival
 - Possible signage and feature tree planting
- 3. Vegetation management
 - Uplift and infill buffer planting within reserves and verges



OPPORTUNITIES PLAN

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding

08
Riggs Hill
Entrance



OPPORTUNITY

Note: This is an indicative illustration intended for the purpose of representing high level opportunities and is subject to detailed design and funding

Project Opportunities

- 1. Street tree planting
 - Street tree planting (predominantly native species)
- 2. Entry statement
 - Enhance sense of arrival
 - Possible signage and feature tree planting
- 3. Vegetation management
 - Uplift and infill buffer planting within reserves and verges



EXISTING

Tree Selection Considerations

The following considerations are provided to assist with the planning, selection and maintenance of tree species.

These should be considered in addition to the Town of Gawler Open Space Guidelines and Tree Planting Policy.

Watering & Irrigation

Watering is critical to successful establishment and long term success of tree planting. The following watering methods should be considered when planning for new tree planting:

- Drip irrigation - automatic drip irrigation is the preferred method of watering new trees as it efficient and low maintenance.
- WSUD - passive methods of watering should be explored though WSUD techniques, including tree inlets, raingardens and swales.
- Manual watering - If automatic drip irrigation or WSUD is not possible, manual watering is recommended.
- Promote the existing 'Adopt a Tree' program where residents are provided a bucket and encouraged to water trees in-front of residence.

Climate Adaptation & Biodiversity

Tree species selection and placement should consider biodiversity and climate adaptation, including:

- Species diversity and use of local natives where appropriate.
- Suitability to local microclimate and soils.
- Water Sensitive Urban Design planting techniques.
- Solar access and canopy coverage.

Clearance to Powerlines & Services

Where powerlines occur overhead and services occur below ground, planning for new tree planting, including species selection and location, should consider State Government and relevant authority standards, including (but not limited to):

- *Electricity Act 1996 and Electricity Regulations 2010*
- *Trees and Powerlines, Office of Technical Regulator, Government of South Australia, 2016*
- *Powerline Friendly Trees, SA Power Networks, 2018*
- *Protocol for Vegetation Management Near Powerlines 2019-2021*
- *Water Industry Act 2012 and Water Industry Regulations 2012*

In addition to the above, other services commonly located within verges and medians should be considered on an individual project basis. These may include SAPN, sewer, telecommunications, stormwater, gas and potable water.

Offsets to Roadways, Cycle Paths Footpaths

Where trees are located along Council and Department of Infrastructure and Transport (DIT) roads, species selection and offsets to the road corridor must comply with the following:

- *Operational Instruction Trees in Medians and Roadsides in the Urban Environment, Department of Infrastructure and Transport, Government of South Australia, 2016*
- *Austroads Guide to Road Design - Part 6: Clear Zone Distances*
- *Town of Gawler Tree Planting for New Land Divisions Policy*

Final tree species selections and placements are to be determined on an individual project basis, following assessment of relevant opportunities and constraints.

Speed limit	Minimum tree offsets from vertical face of kerb ¹										Minimum tree offsets from edge line or edge of pavement without kerb	
	Verge		Intersection without slip lane ²		Median			Slip/merging lanes		Driveways		
	Lateral		Lateral	Longitudinal	Lateral ³	Longitudinal		Lateral	Longitudinal	Lateral		Longitudinal
	Straight	Curve ⁴				Regular nose (semi-circular or bullet nose)	Tapered nose (shelter lane)					
≤ 50 km/h	0.6m		0.6m	10m from the tangent point	1.0m (= median width of 2.0m + tree diameter)	10m from the edge of nose	Greater of 10m from edge of nose OR total length of tapered section	0.6m	10m from the hinge point	0.6m	3.0m from tangent point	2.5m
60 km/h	0.6m	Gentle = 0.8m Sharp = 1.1m	0.6m	10m from the tangent point	1.25m (= median width of 2.5m + tree diameter)	10m from the edge of nose	Greater of 10m from edge of nose OR total length of tapered section	0.8m	10m from the hinge point	0.6m	5.0m from tangent point	2.5m
≥ 70 km/h	Refer Austroads Guide to Road Design - Part 6: Clear zone distances											

MINIMUM TREE OFFSETS IN URBAN ENVIRONMENTS, OPERATIONAL INSTRUCTION (DIT)

Maintenance

Tree species selection and placement must consider safe and functional long term maintenance by Council, State Government and relevant service providers.

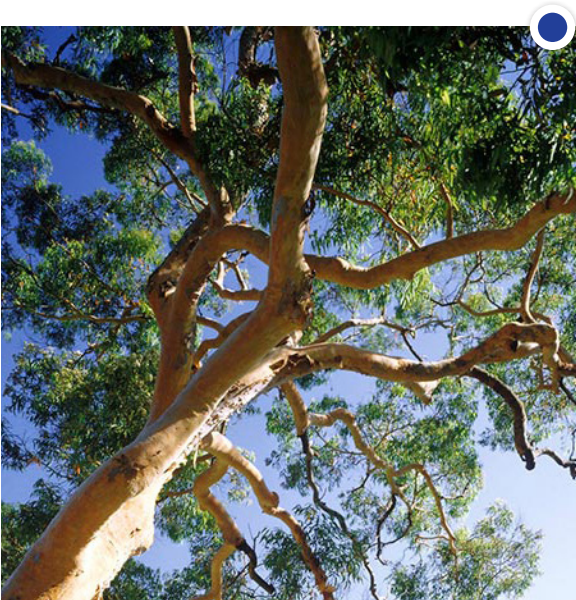
Tree management should be regularly reviewed and agreed prior works being undertaken. Tree management should comply with the following:

- *Native Vegetation Act 1991*
- *Development Act 1993*
- *DIT Vegetation Removal Policy and Maintenance Specification*
- *Australian Standard 4373 Pruning of Amenity Trees*
- *Town of Gawler Tree Planting Policy (possible Tree Management Strategy to be developed subject to budget approval)*

Evergreen Tree Species

The tree species across are intended to provide guidance and should be reviewed and agreed with Council on an individual project basis.

- Tree species with Sewerage Act limitations
- Tree species approved under powerlines



Angophora costata, Smooth Barked Apple
Large and hardy evergreen with flowers
H 15m W 10m



Banksia sp, Bankisa
Hardy and fast growing evergreen with flowers
Various sizes



Brachychiton rupestris, Bottle Tree
Native feature tree
H 10m W 5m



Corymbia maculata, Spotted Gum
Tall and upright
H 15m W 10m



Eucalyptus mannifera, Red Spotted Gum
Tall and upright with smooth white bark
H 15m W 10m



Ficus platypoda, Rock Fig
Drought tolerant tree with glossy foliage
H 8m W 5m



Ficus rubiginosa, Port Jackson Fig
Spreading specimen
H 20m W 15m



Quercus canariensis, Algerian Oak
Drought tolerant Oak
H 15m W 10m

Deciduous Tree Species

The tree species across are intended to provide guidance and should be reviewed and agreed with Council on an individual project basis.

Tree species with Sewerage Act limitations

Tree species approved under powerlines



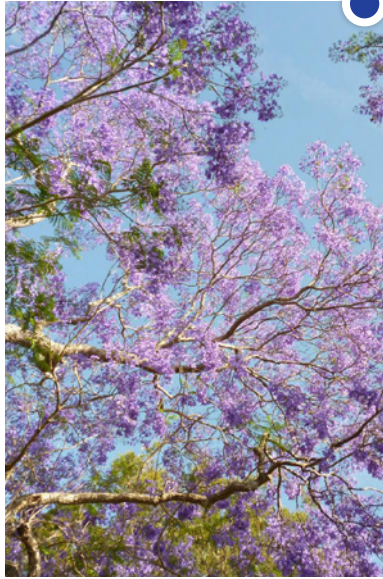
***Celtis australis*, Hackberry**
Medium deciduous tree (requires watering)
H 12m W 8m



***Fraxinus pennsylvanica*, Urbanite Ash**
Medium deciduous tree (successful in Playford)
H 10m W 8m



***Gleditsia triacanthos* 'Shademaster'**
Fast growing medium deciduous tree that provides summer shade
H 8m W 7m



Jacaranda mimosifolia
Summer deciduous tree
H 12m W 10m



***Koelreuteria paniculata*, Golden-rain Tree**
Slow growing hardy tree
H 8m W 5m



***Ulmus parvifolia*, Chinese Elm**
Medium deciduous tree with dense canopy
H 10m W 7m



***Lagerstroemia natchez*, Crepe Myrtle**
Small deciduous, white flowers
H 5m W 4m



***Platanus x acerifolia*, Plane Tree**
Large robust tree
H 15m W 10m



Pistacia chinensis
Medium deciduous tree that provides summer shade
Autumn colour
H 10m W 8m



***Melia azedarach* 'Elite', White Cedar**
Low fruiting upright variety
H 10m W 8m



***Sophora japonica*, Japanese Pagoda**
Highly ornamental medium tree
H 6m W 5m



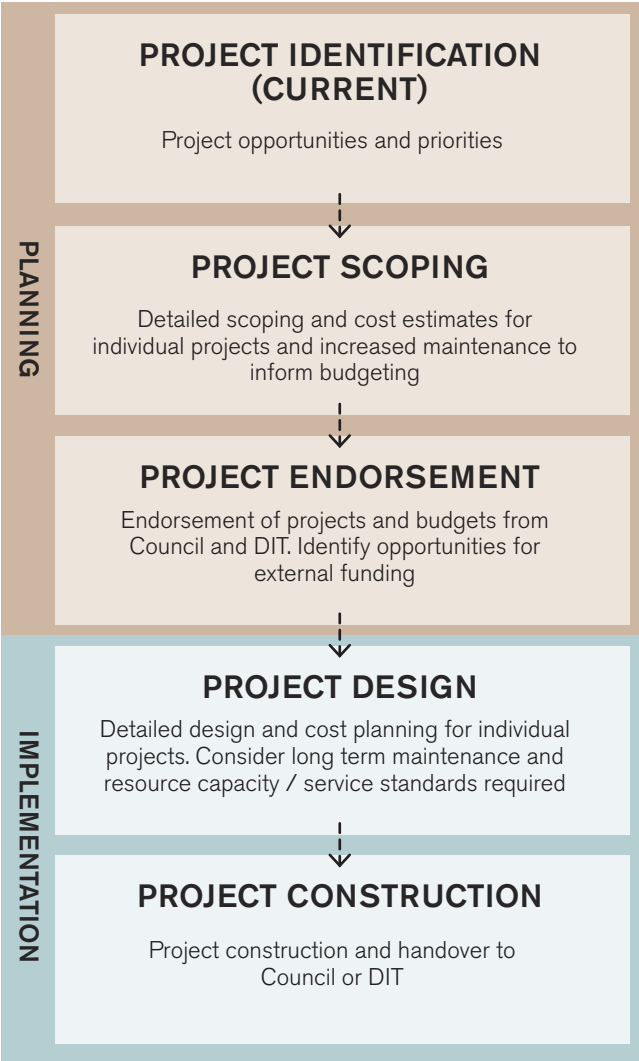
***Quercus (robur & cerris)*, English & Turkey Oak**
Large deciduous specimen trees (require watering)
H 15m W 10m

Implementation

The following implementation strategies are intended to assist with the delivery of the Beautification Plan.

Project Plan

The diagram below provides a high level summary of the anticipated process for the successful planning, design and delivery of upgrades to Township entries and key nodes.



Coordination with State Government

Advocate to State Government to ensure agreed maintenance standards are met

- Agree levels of service with State Government.
- Review maintenance programs and adjust where necessary.
- Coordinate with State Government and relevant service authorities for management and maintenance of trees.

Coordinate delivery of capital works upgrades

- Build partnerships with DIT for the staged delivery of upgrades.
- Where possible, identify opportunities for shared funding and grant opportunities.

Suggested Priority Projects

The below list of entries and key nodes is in order of suggested priority for upgrade:

1. Roundabouts
 - Sixth Avenue & Main North Road
 - Fifth Avenue & Main North Road
 - Redbanks Road & Main North Road
 - Redbanks Road & Weyland Road
 - Jack Cooper Drive & Ryde Street
 - Gosford Street & Ryde Street
 - Calton Road & High Street
 - Dawson Road & Para Road
2. Main North Road (South) Entrance
3. Main North Road (North) Entrance
4. Redbanks Entrance
5. Barossa Valley Entrance
6. Ryde Entrance
7. Calton Entrance
8. Riggs Hill Entrance

Additional Opportunities

Additional opportunities for project upgrades, include:

- Overway Bridge upgrade
- Gawler Railway Station Precinct (tree planting and landscape upgrade)
- Pioneer Park Master Plan
- Murray Street North streetscape upgrade - Lyndoch Road to Murray Road
- Victoria Terrace and Main North Road (landscaping)
- Willaston (tree planting)
- Twentieth Street footpath upgrade
- Eighteenth Street streetscape upgrade
- Lyndoch Road (tree renewal)
- Murray Street footpath and deep clean programme
- Pioneer Park Master Plan
- Native grass planting in association

