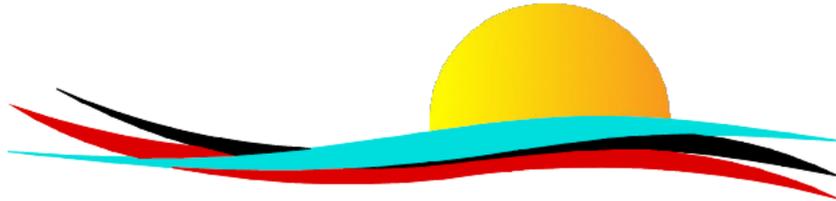


MIPP2

Expansion of Tourism Within the Shire

Normanton Areas of Interest



CARPENTARIA SHIRE
Outback by the Sea®

PREPARED BY



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Appendices

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1. Background

Normanton is located on the “Savannah Way” and “Savannah Way Alternate Route” between Cairns and Broome, as shown in Figure 1 below. Normanton is heavily reliant on the tourism industry with many businesses at their busiest during winter and spring (dry season). With significant investment allocated by the Federal Government towards the Savannah Way between Cairns and the Northern Territory Border in the short to medium term, it is expected that the number of visitors either passing through or staying in Normanton will increase significantly as travel becomes more accessible.

To entice more visitors to visit and extend their length of stay in Normanton, improvements to the central areas of Normanton including key tourism sites are required. These include implementing various beautification measures and improving existing tourist attractions primarily focused on the areas below.

- Landsborough Street.
- The School Dam.
- Normanton Town Walk.

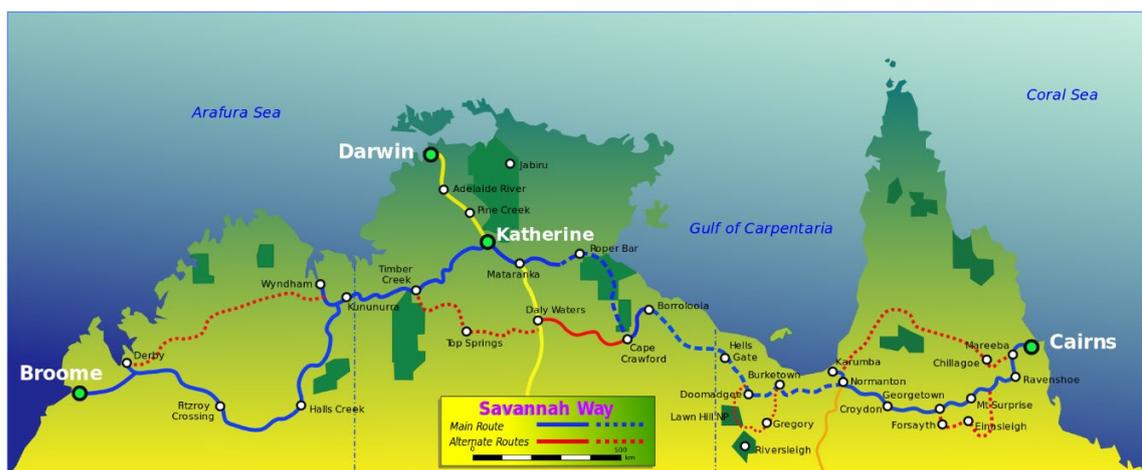


Figure 1: The Savannah Way

2. Project Details

The aim of the project is to identify the key elements of Normanton which contribute towards tourism generation and determine how they can be improved to create a cohesive and marketable tourism precinct. The project aims to provide a wider range of activities for tourists who are visiting the Shire including families, travellers, and locals. Normanton has many historic tourist attractions however are scattered throughout the town with minimal information on where they are located and the relevance of the sites. To ensure the project meets its objectives it needs to:

- Creation of a visually appealing streetscape that reflects the heritage, culture and environment of the region.
- Creation of a tangible connection between the existing tourism and heritage infrastructure within Normanton.
- Increase visitors’ length of stay by providing a landscape that invites them to explore and discover more about the region.

3. Landsborough Street

3.1. Landscape Designs

Landsborough Street is the main street of Normanton and is the first street travelled down when arriving in Normanton from all directions (Croydon, Cairns, Cloncurry, Mount Isa and Karumba). Many businesses and areas of interest within Normanton are located adjacent to Landsborough Street. It is important to provide a positive first impression when arriving in town. An overarching landscape plan of Landsborough Street has been completed and is provided in Appendices B, C and D.

Median strips along Landsborough Street are included in the Normanton Raw Water Irrigation Project Stage 1 and will have access to irrigation throughout the year to ensure landscaping is kept in peak condition.

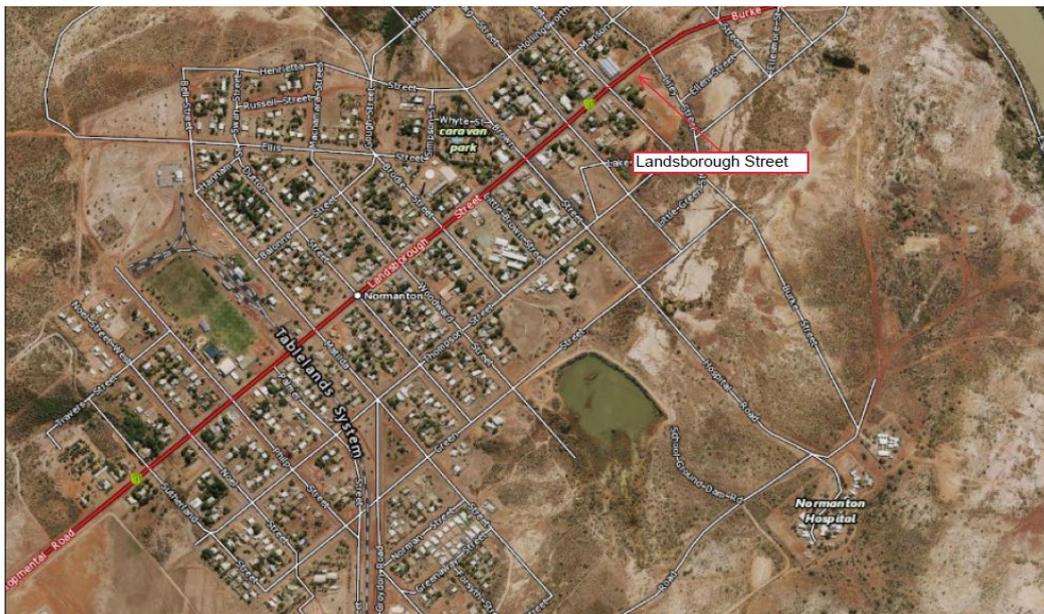


Figure 2: Landsborough Street

3.2. Landsborough/Brodie Street Intersection

The intersection of Landsborough Street and Brodie Street is the start of the “town centre” when approaching Normanton from the West (Cairns/Cloncurry/Mount Isa). It is proposed to convert the current unsignalised intersection to a roundabout, which would provide a feature point for the start of the “town centre”. Within the centre of the intersection is the old town well which will be the focal point of the proposed roundabout, which can be seen in Figure 3 below.



Figure 3: Old Normanton Town Well

The proposed roundabout will slow vehicle speeds entering town by forcing them to give way. See Appendices C and D for the landscape design of the intersection and Appendix H for the engineering design of the intersection.

3.3. Landsborough/Philp Street Pedestrian Crossing

The Landsborough/Philp Street Intersection is one of the first intersections which vehicles pass when entering Normanton from Croydon/Cairns and Cloncurry/Mount Isa. Immediately adjacent the intersection are several areas which attract pedestrians including children to cross Landsborough street regularly. These include the basketball courts, gym, swimming pool, water park, bowls club, sports centre, football fields, video store and grocery store.

It is proposed to formalise a pedestrian crossing area with pedestrian refuge island to improve safety. The upgrade will not include a zebra crossing to ensure the flow of Landsborough Street including heavy vehicle movements are not interrupted. Due to the low traffic volumes and available sight distance for pedestrians a zebra crossing was not deemed necessary.

See Appendix I for the proposed design of the intersection.



Figure 4: Landsborough/Philp Street Intersection

4. The School Dam

The School Dam has been a focus of Council recently with the Dam extents increased and a preliminary unsealed track around the Dam created. It is located on the outskirts of town with ample space for caravan parking and is a short walk into the town centre. The parking at the School Dam is proposed to tie in with the Normanton Town Historic Walk as the starting point.

The vision for the School Dam is to become a landmark of Normanton which provides a feeling of being very remote while being walking distance to town. Croydon Shire has created a similar area at Lake Belmore (Figure 3 below).

Further improvements to the School Dam are illustrated in Appendix A which include picnic areas, walking tracks, a lookout, and a pontoon on the Dam.



Figure 5: The School Dam



Figure 6: Lake Belmore – Croydon

5. Normanton Town Historic Walk

The Normanton Town Historic Walk aims to link the key historical and tourism sites within Normanton in a well-defined walking trail. The walk will link the School Dam, the three pubs, the Norman River including historic culvert sites, the Burns Philp building, the old Gaol and Krys the Croc, which can be seen in Figure 5. The aim of the walking trail is to provide a parking area for visitors including ample space for caravans at the start of the track and lead visitors past all historic and monumental sites. The walk will also pass many key businesses including pubs, cafes, and shops to entice people to spend money locally.



Figure 7: Tourism Sites Around Normanton

Informative signage also needs to be included as part of this project to educate and interest visitors of the historic sites. There is currently historic signage for some areas throughout town, however the historical significance of some sites could easily go unnoticed by many visitors. Example signage for Krys the Croc can be seen in Figure 6. The plan for the proposed town walk is shown in Appendix G. The walk includes 3.85km of extension to the current footpaths in Normanton.

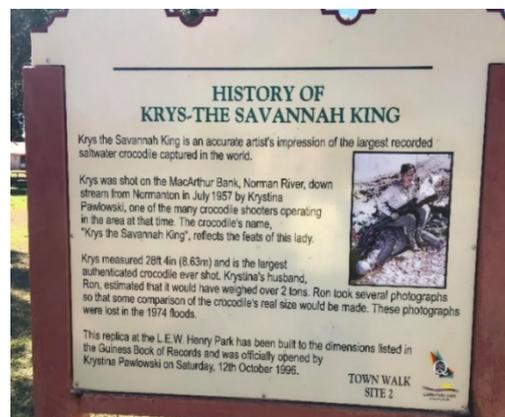


Figure 8: Krys the Croc Signage

A preliminary cost estimate has been calculated for the extension to the footpath. It is proposed to use asphalt around the School Dam instead of concrete to reduce the overall cost of construction. As asphalt is not commonly used in the Shire actual quotes should be sourced to confirm the estimate.

Table 1: Estimated Cost

Item	Qty	Unit	Rate	Cost
Extend Concrete Footpath 2m x 100mm width (2km)	4000	m2	\$150	\$600,000
Asphalt Footpath around School Dam 2m width (1.85km)	3700	m2	\$40	\$148,000
Informative Signage	6	item	\$1,500	\$9,000
Total				\$757,000

6. Traffic Data Assessment

Existing traffic volumes on State Controlled Roads have been provided by the Department of Transport and Main Roads (2019 data) and are listed in Table 2 and Figure 6 below.

Table 2: DTMR Traffic Data

Road (DTMR Ref)	Type	Posted Speed	2019 AADT	HV (%)
Burke Developmental Road (89B) CH7.23, 500m Nth of Melville Creek	Two Lane Undivided	100km/h	193	33.51
Burke Developmental Road (89A) CH374.512, 1.4km Nth of Int 89A/92A	Two Lane Undivided	100km/h	473	25.02

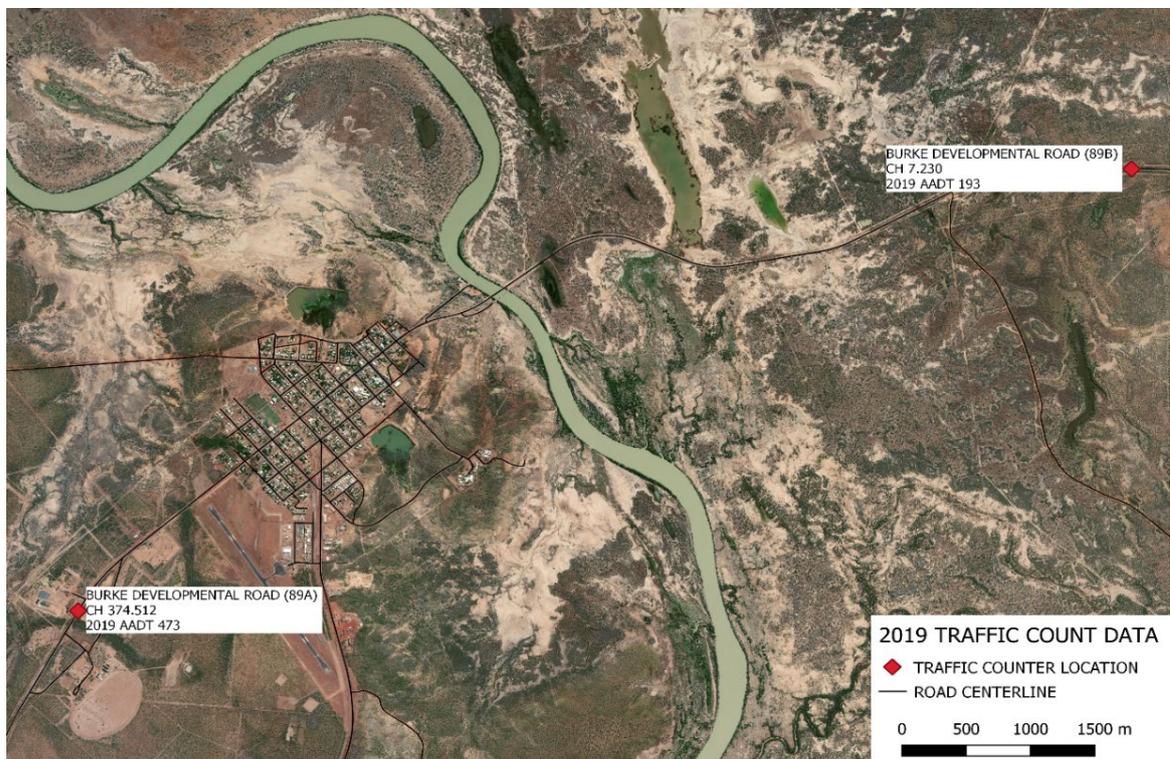


Figure 9: DTMR Traffic Data Locations

Traffic volumes on the Burke Developmental Road 89A are significantly higher than on the Burke Developmental Road 89B. It is evident that majority of visitors are approaching Normanton from the West (Cairns/Mt Isa).

The traffic volumes on 89A include both visitor and local traffic as movements to the rodeo grounds and landfill are captured.

The tourist traffic volumes on the road network surrounding Normanton has been collated by Cummings Economics (2019) and is summarised in Table 3 below.

Table 3: Tourist Traffic Volumes

Road	AADT	Tourist AADT	Tourist Towing	Tourist Towing %
Burke Developmental Road 89A	126	55	25	20%
Burke Developmental Road 89B	31	12	2	6%
Normanton to Burketown Road	72	30	22	30%
Gulf Developmental Road 92A	265	133	40	15%

7. Caravan Parking

As seen in Table 3 above, a significant portion of tourists travelling around Normanton are caravans. Throughout Normanton there is currently limited caravan parking and caravans regularly park across perpendicular car parks in town. Dedicated caravan parking is required in town to reduce congested parking on Landsborough Street during the peak tourist season.

Available areas for caravan parking have been identified in Figure 10 below.

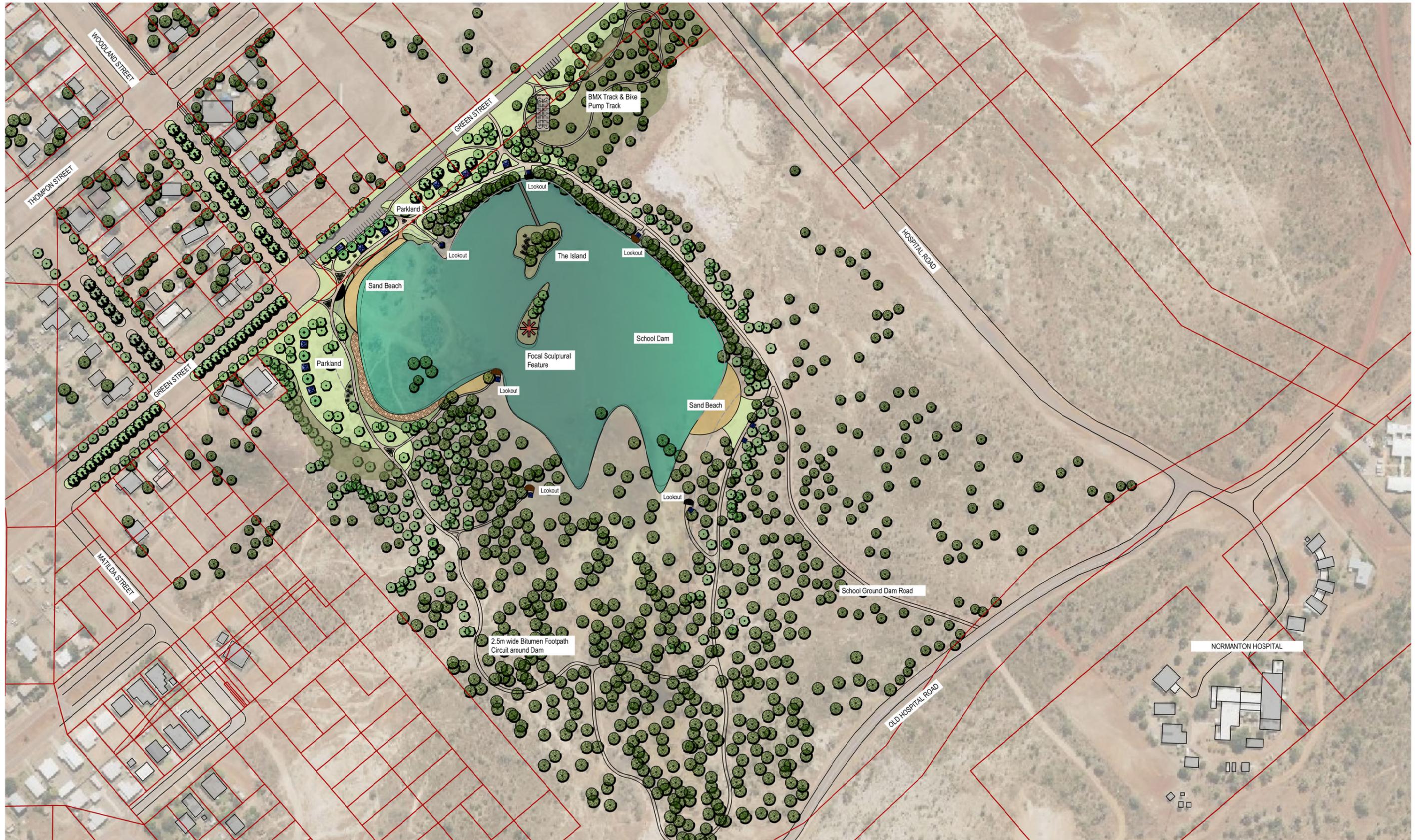
- Grassed area opposite The Albion Hotel.
- School Dam Parallel Parking – to be constructed with the School Dam upgrades.



Figure 10: Caravan Parking Areas

APPENDIX A

School Dam Concept Plan



NORMANTON SCHOOL DAM OVERALL CONCEPT PLAN



Street trees to both sides of Woodland Street as well as shade trees to centre medians to create a strong green avenue from Landsborough Street.

FOR APPROVAL





NORMANTON SCHOOL DAM GREEN STREET PARK CONCEPT PLAN



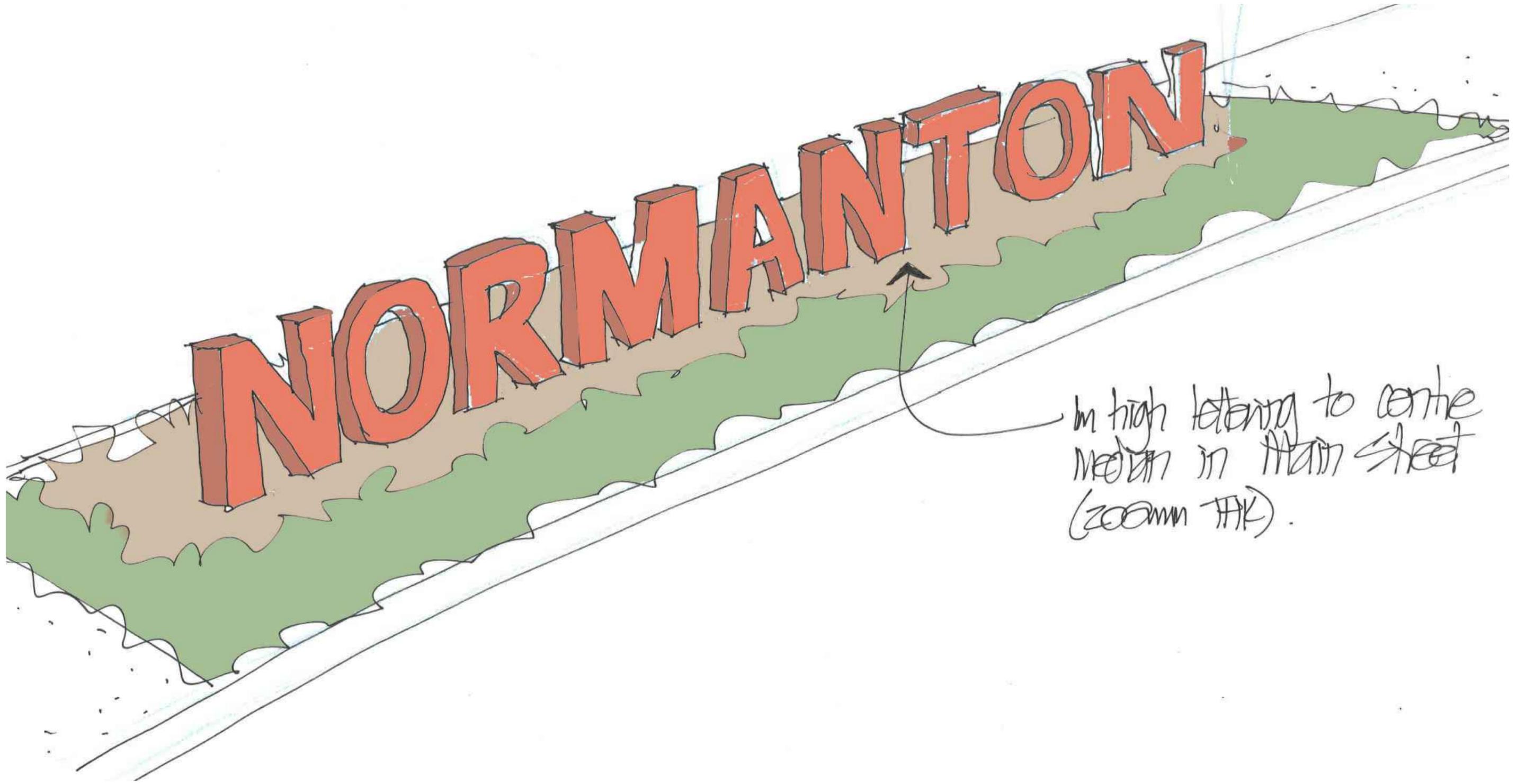
APPENDIX B

Landsborough Street Entry Concept









In high lettering to centre median in main street (zoom in HIK).

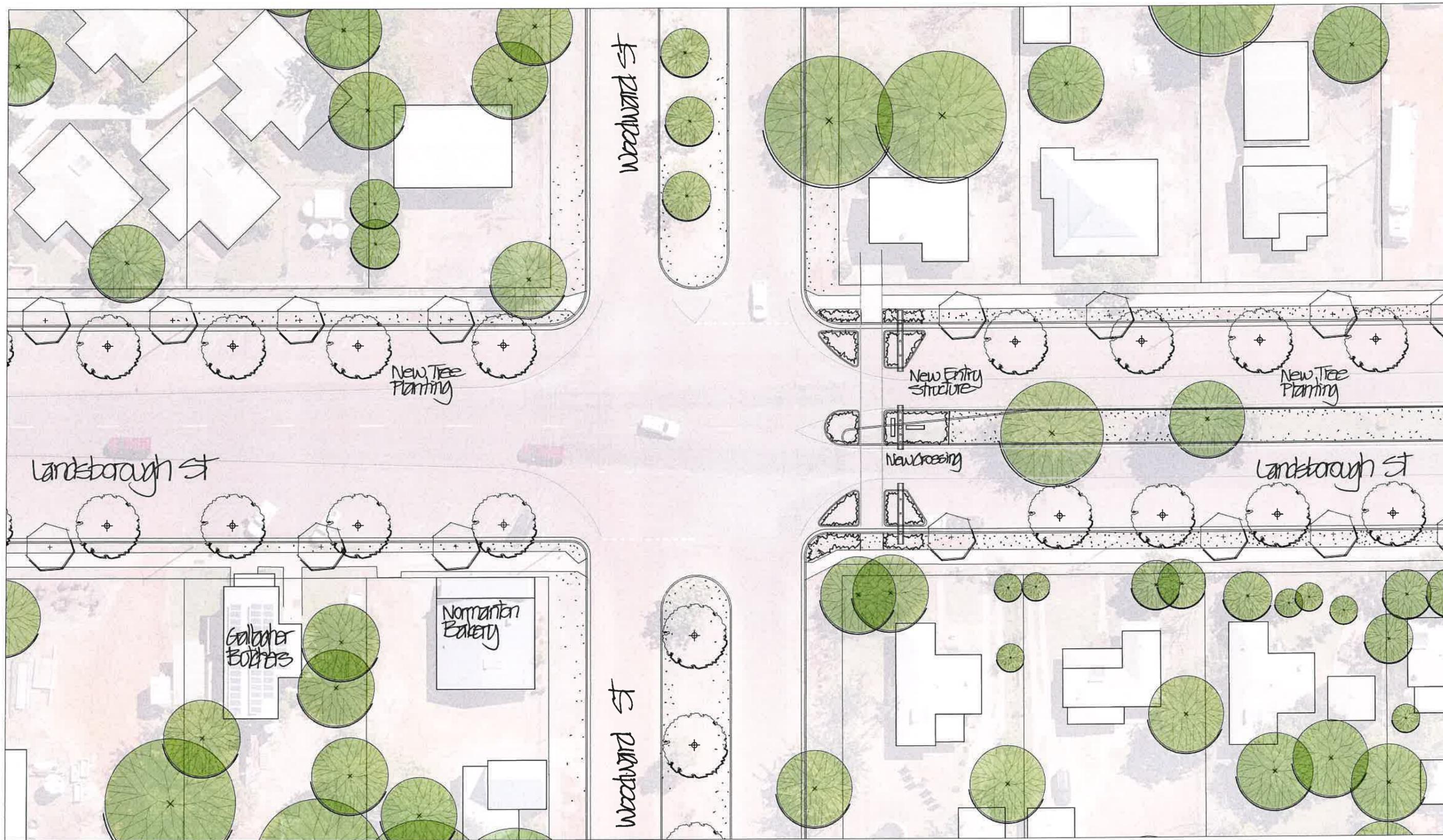
APPENDIX C

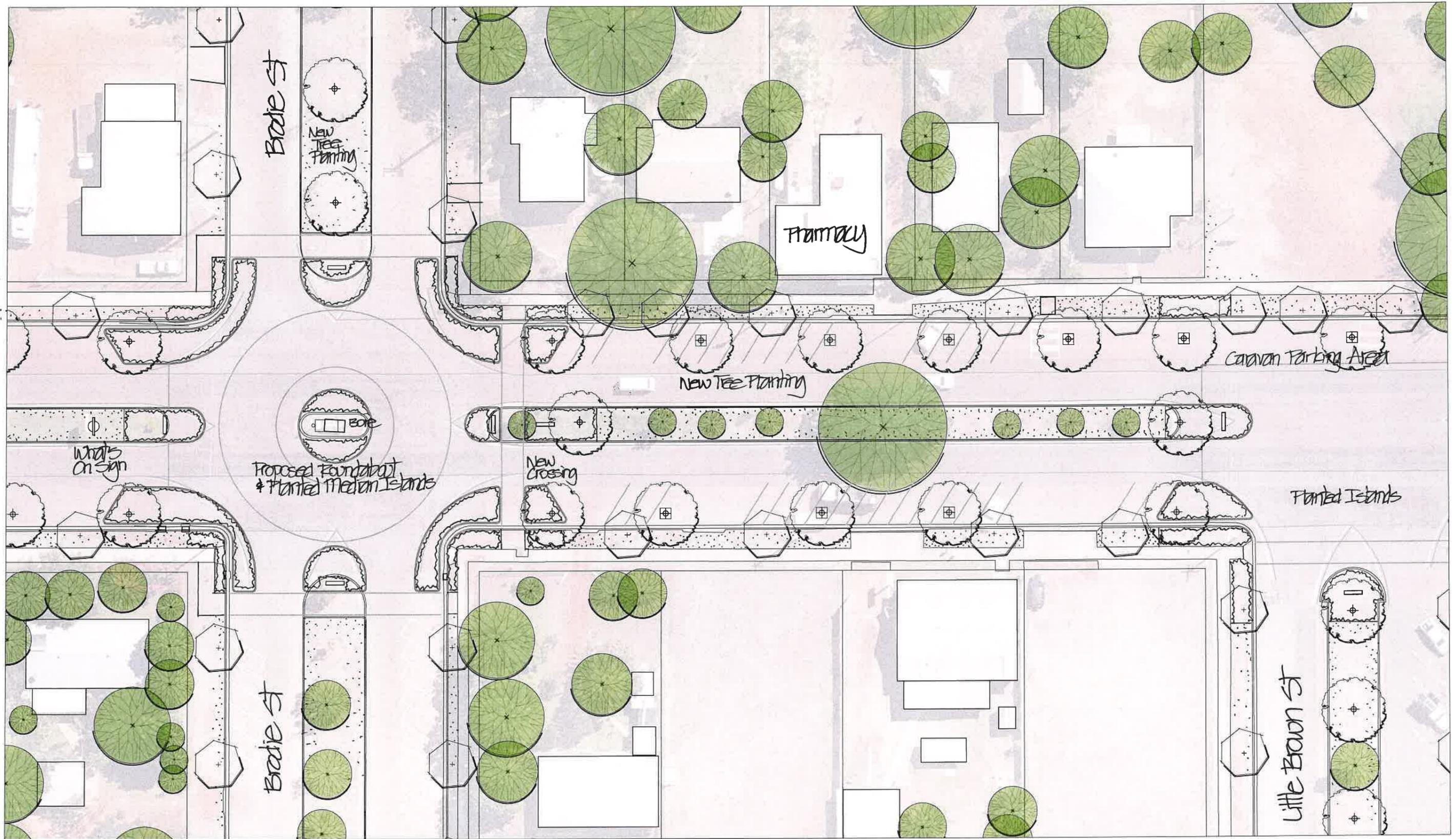
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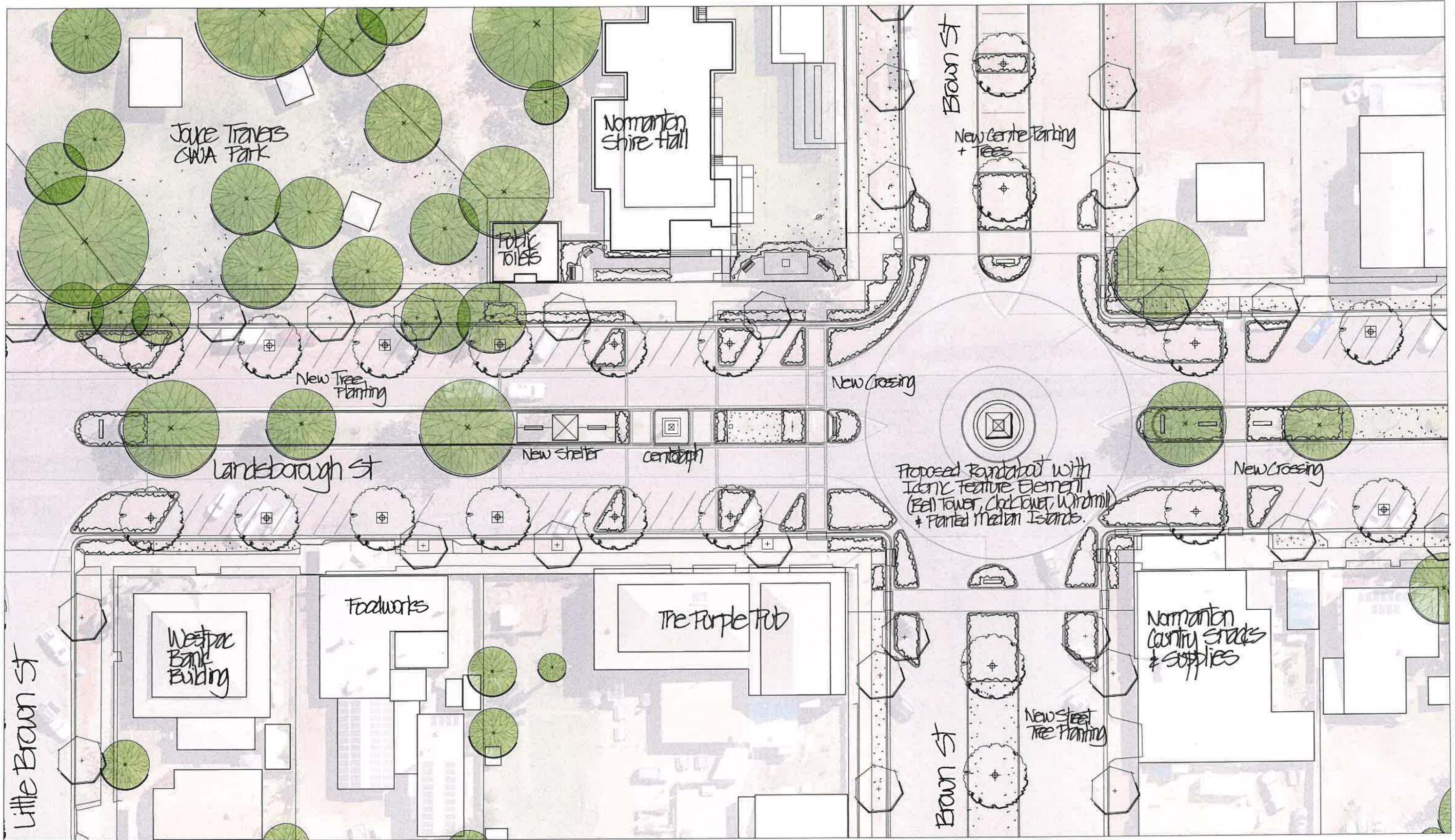


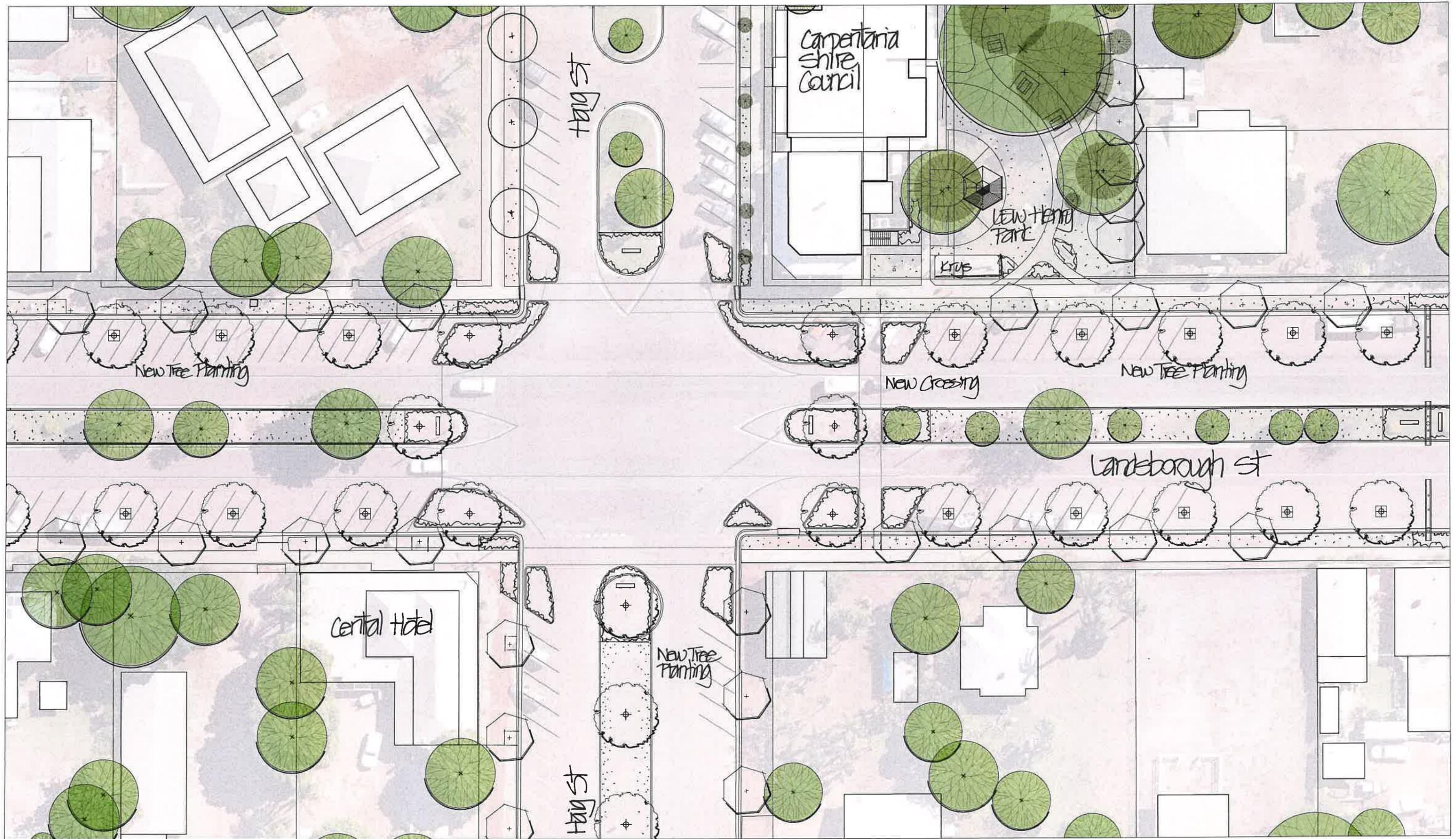
Landsborough Street Beautification Master Plan OVERALL PLAN

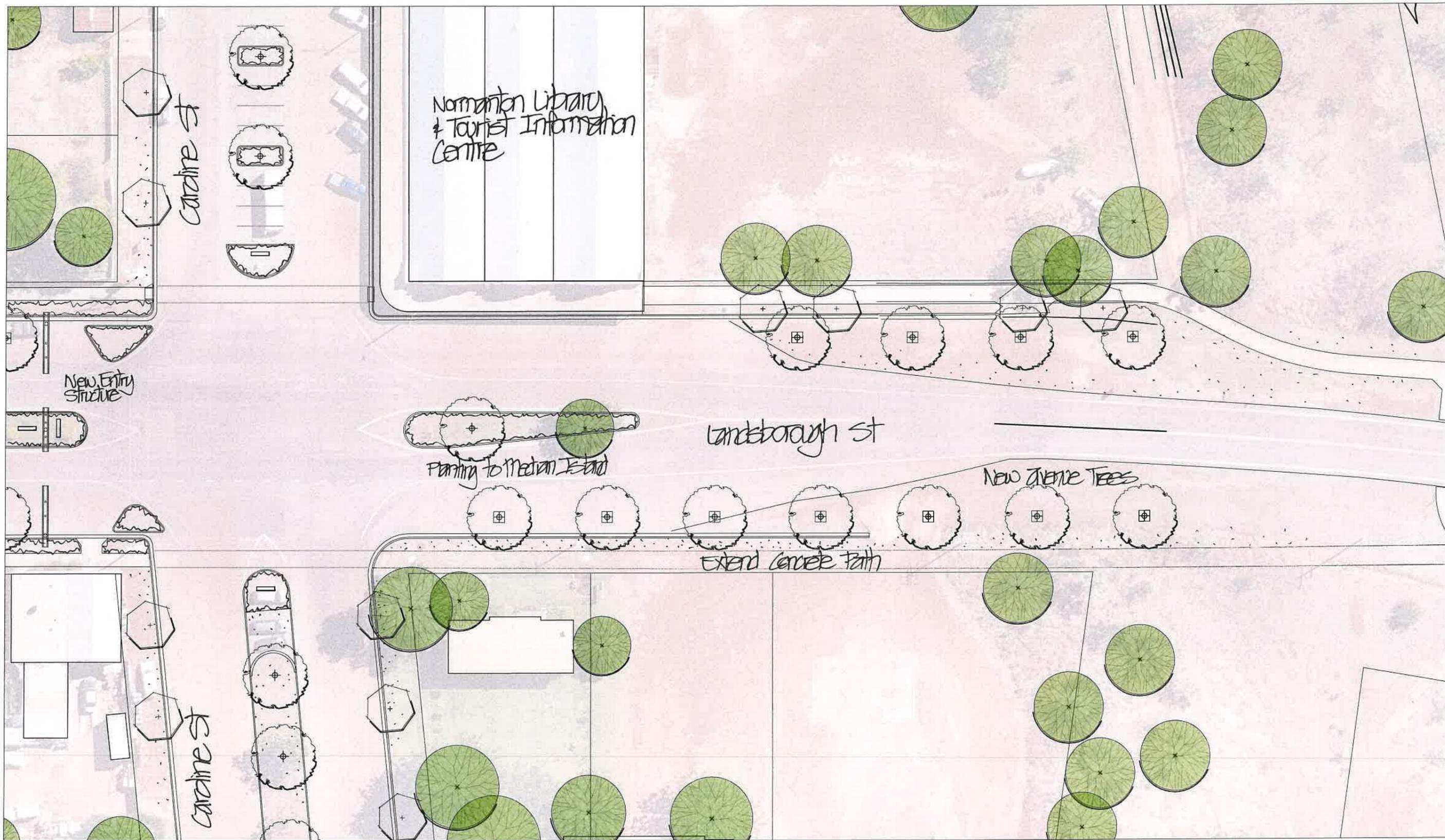






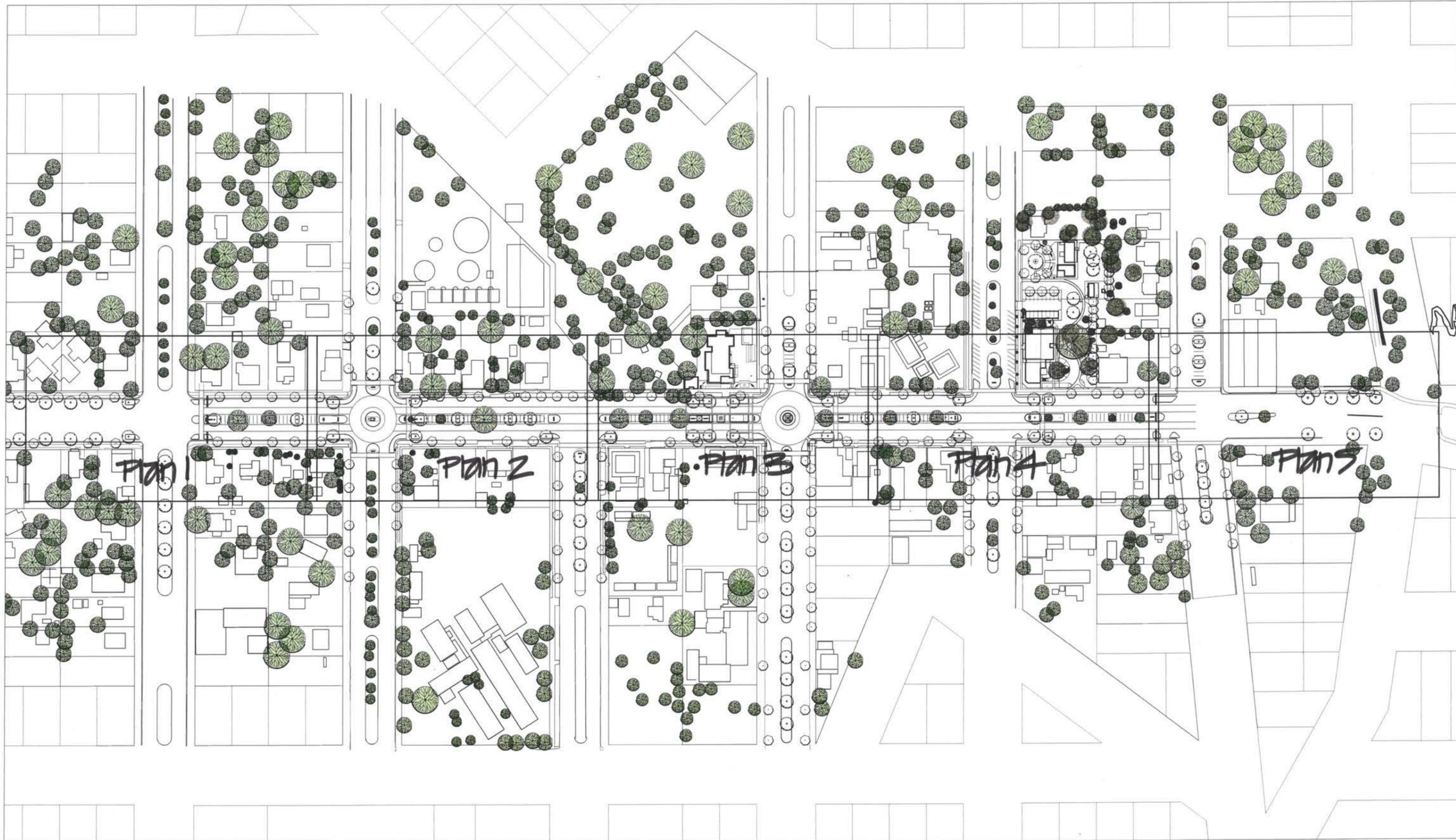


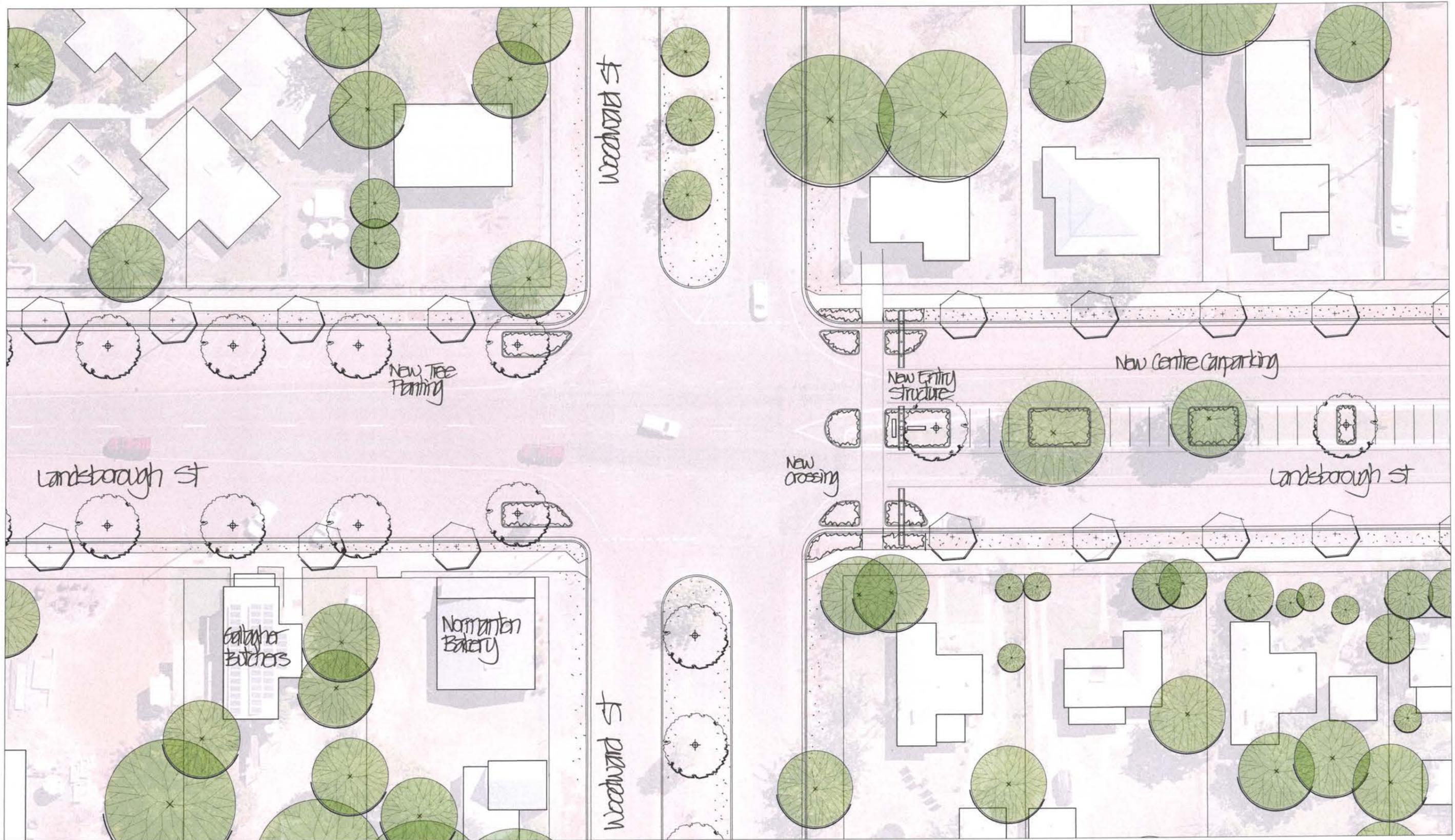


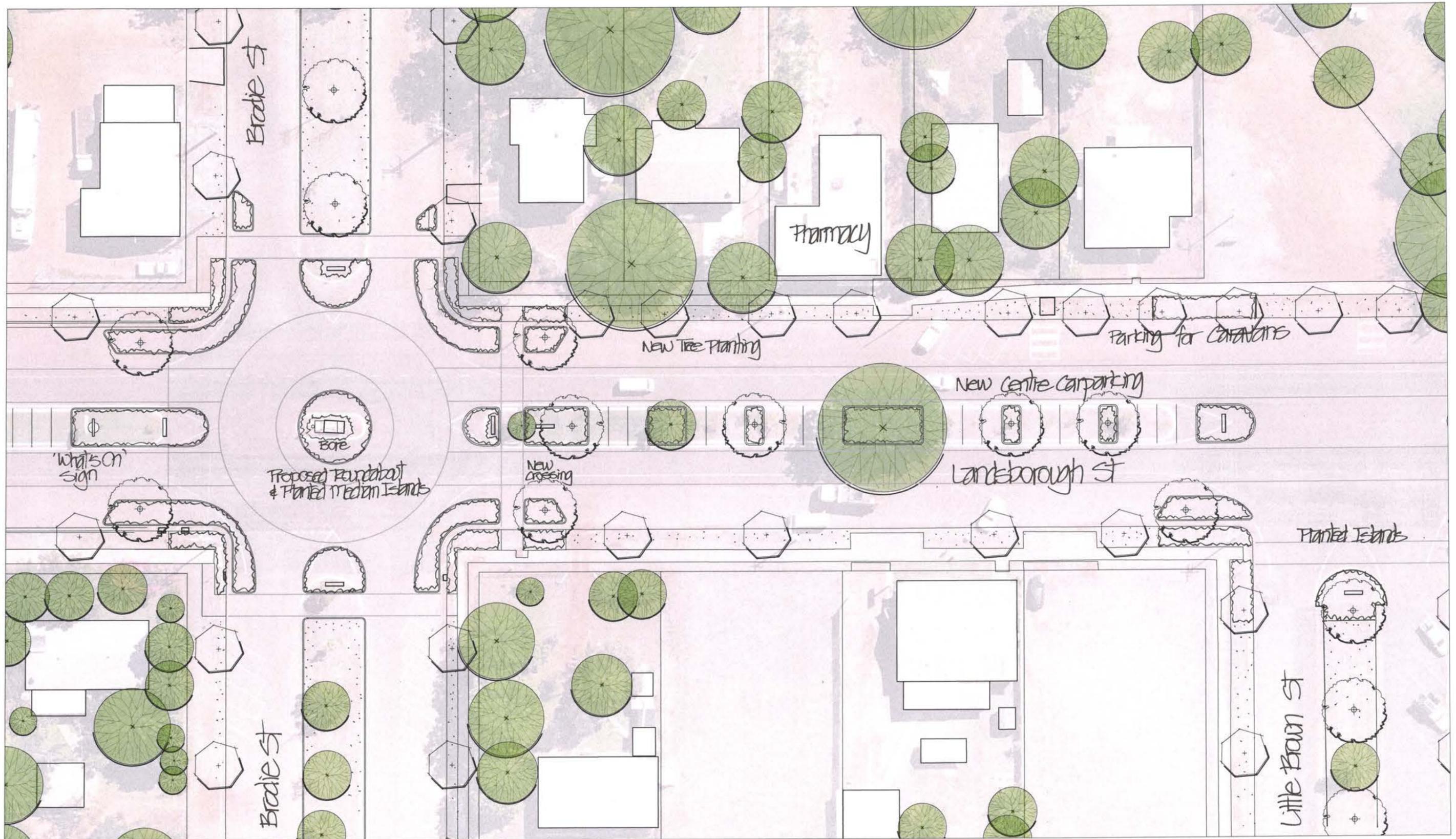


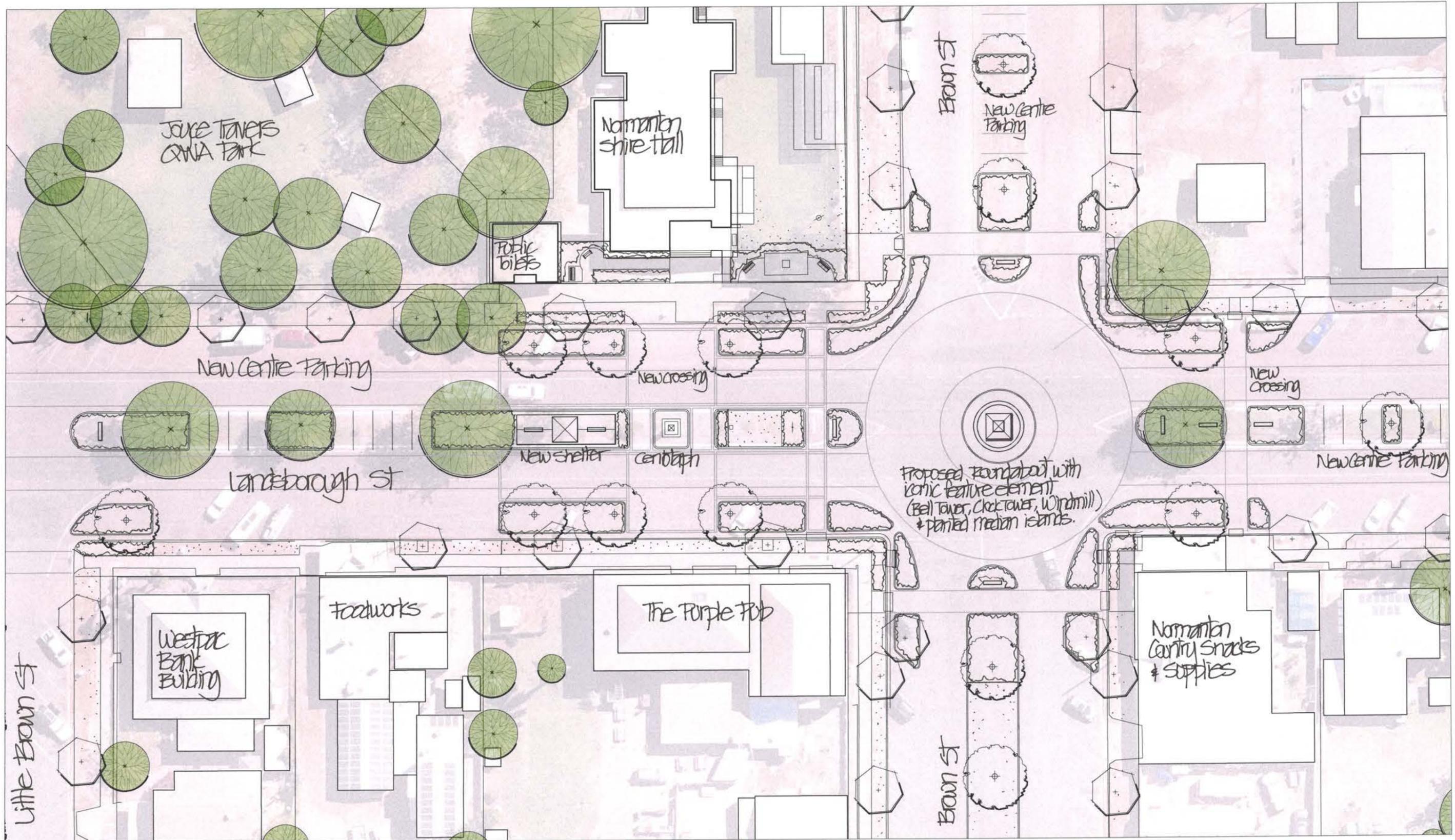
APPENDIX D

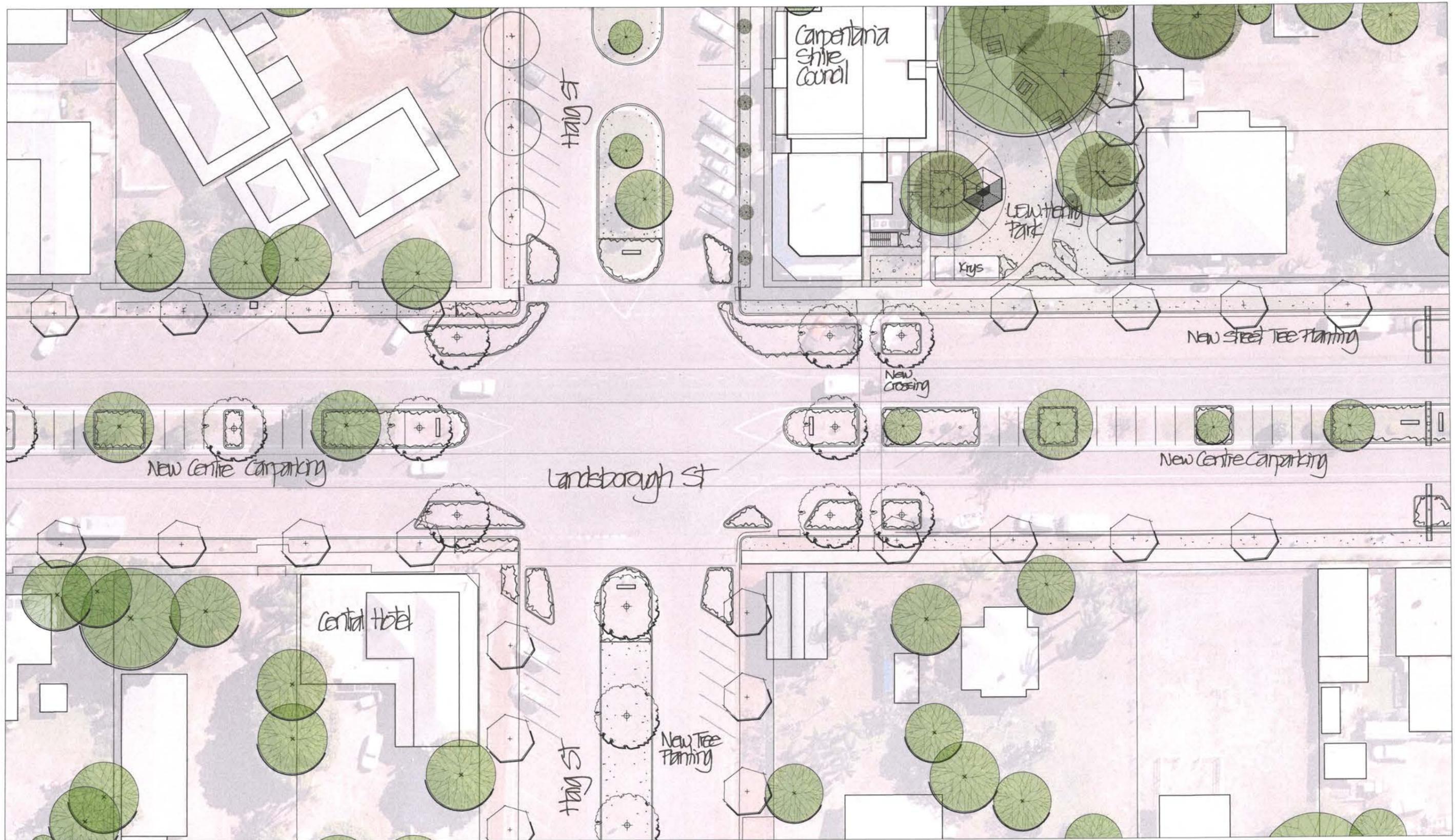
Landsborough Street Overall Plan Option 2

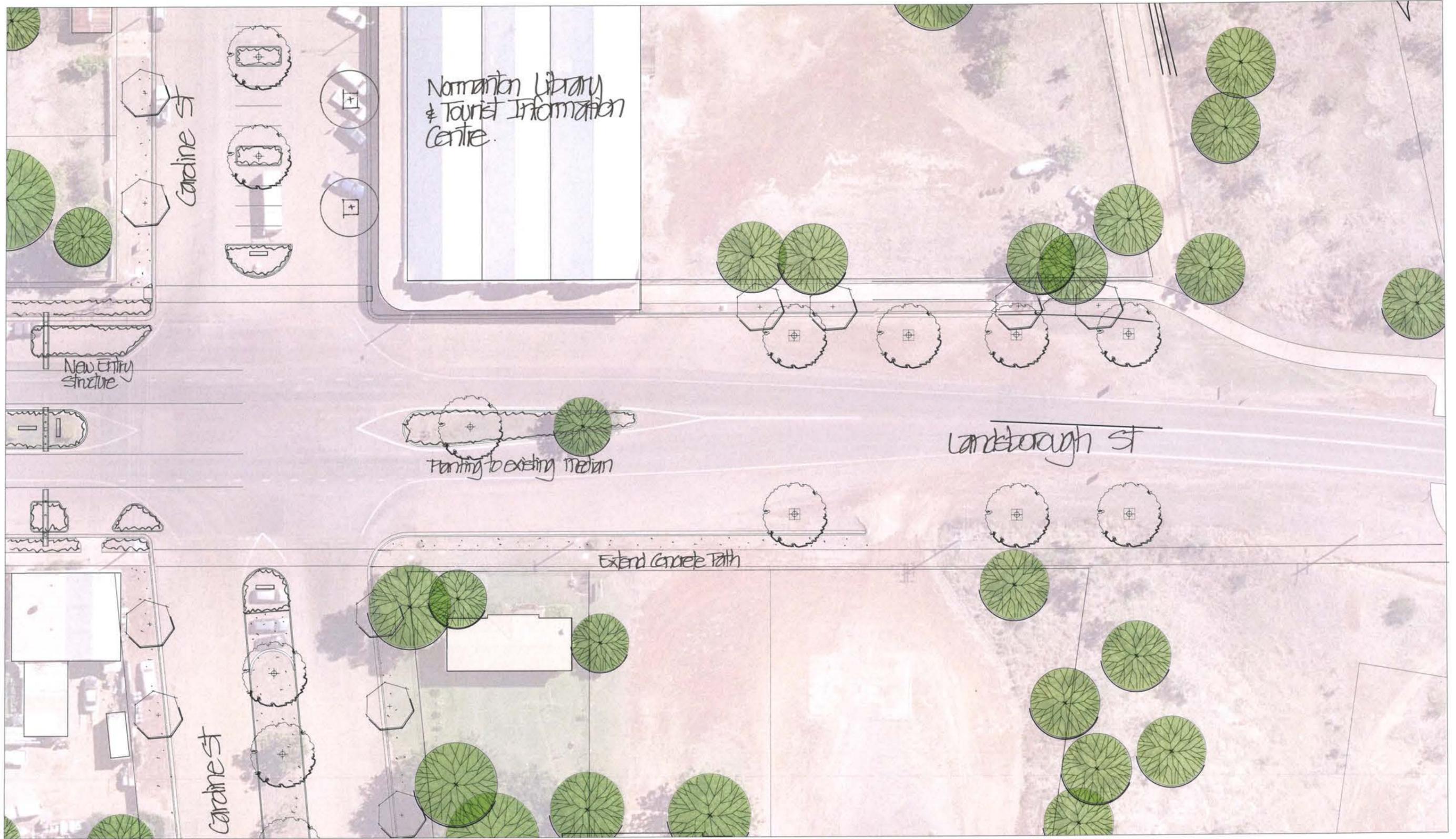












APPENDIX E

Normanton Town Hall Landscape Plan

Normanton Shire Hall

Outdoor courtyard space.

Caravan Parking

BROWN STREET

New Centre Carparking

New Pedestrian Crossing

Public Toilets

Artex Seals

New Fed style fencing

N150 Pavers

Light Bollards

- FB - Planting Beds
- T - Turf Grass
- P1 - New concrete/paved footpath
- P2 - Street Print patterning

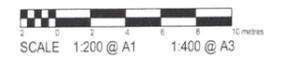
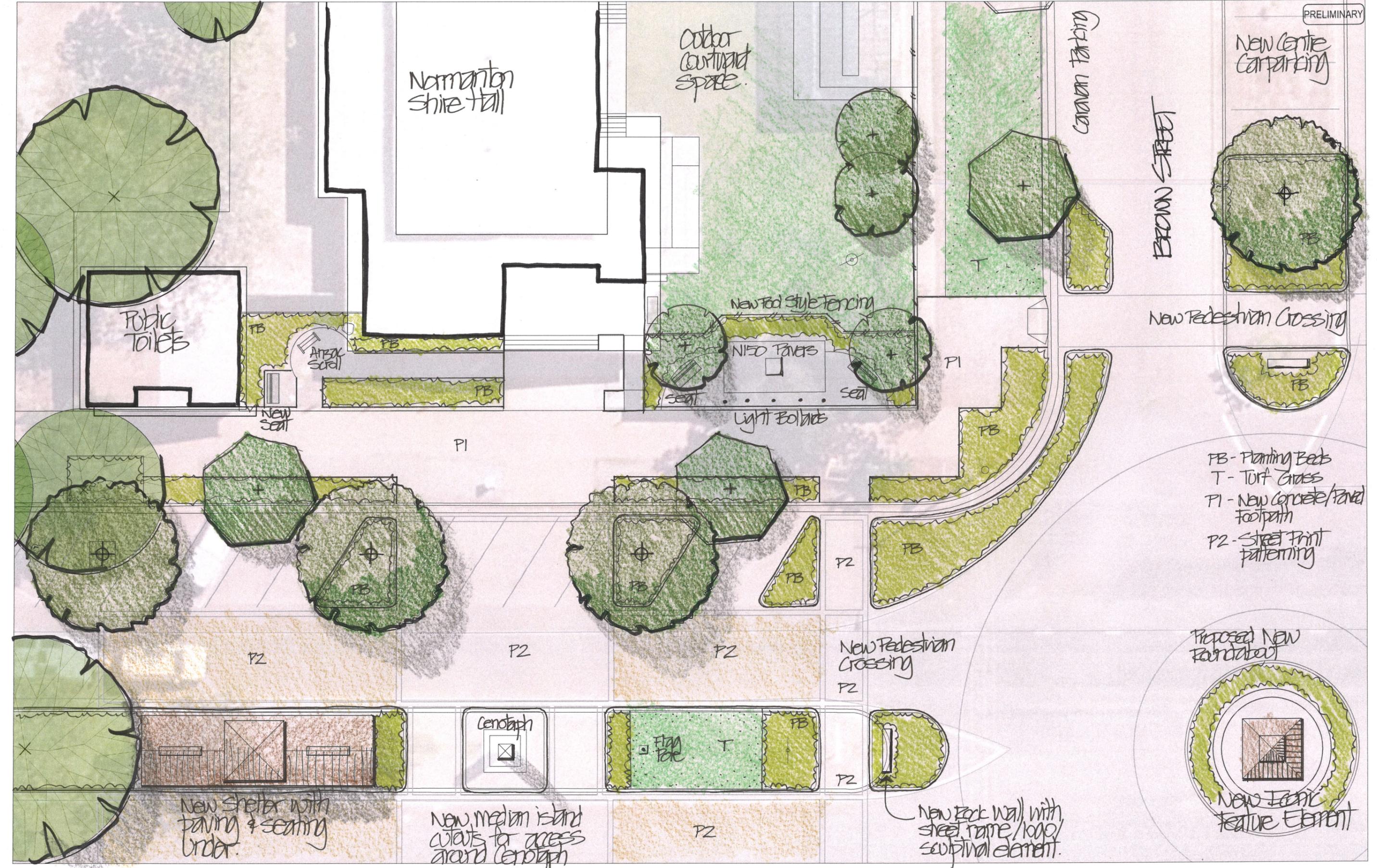
Proposed New Roundabout

New Iconic Feature Element

New Shelter with paving & seating under.

New median island cutouts for access around Cenotaph

New Rock Wall with street name/logo/sculptural element.



APPENDIX F

L.E.W Henry Park Landscape Plan



Haig Street



LEGEND

- AREA TO BE TURFED
- PLANTING BEDS
- NEW PAVEMENT FINISH
- NEW PAVEMENT FINISH (CONTRAST)
- DECOMPOSED GRANITE SURFACING

Landsborough Street



Haig Street

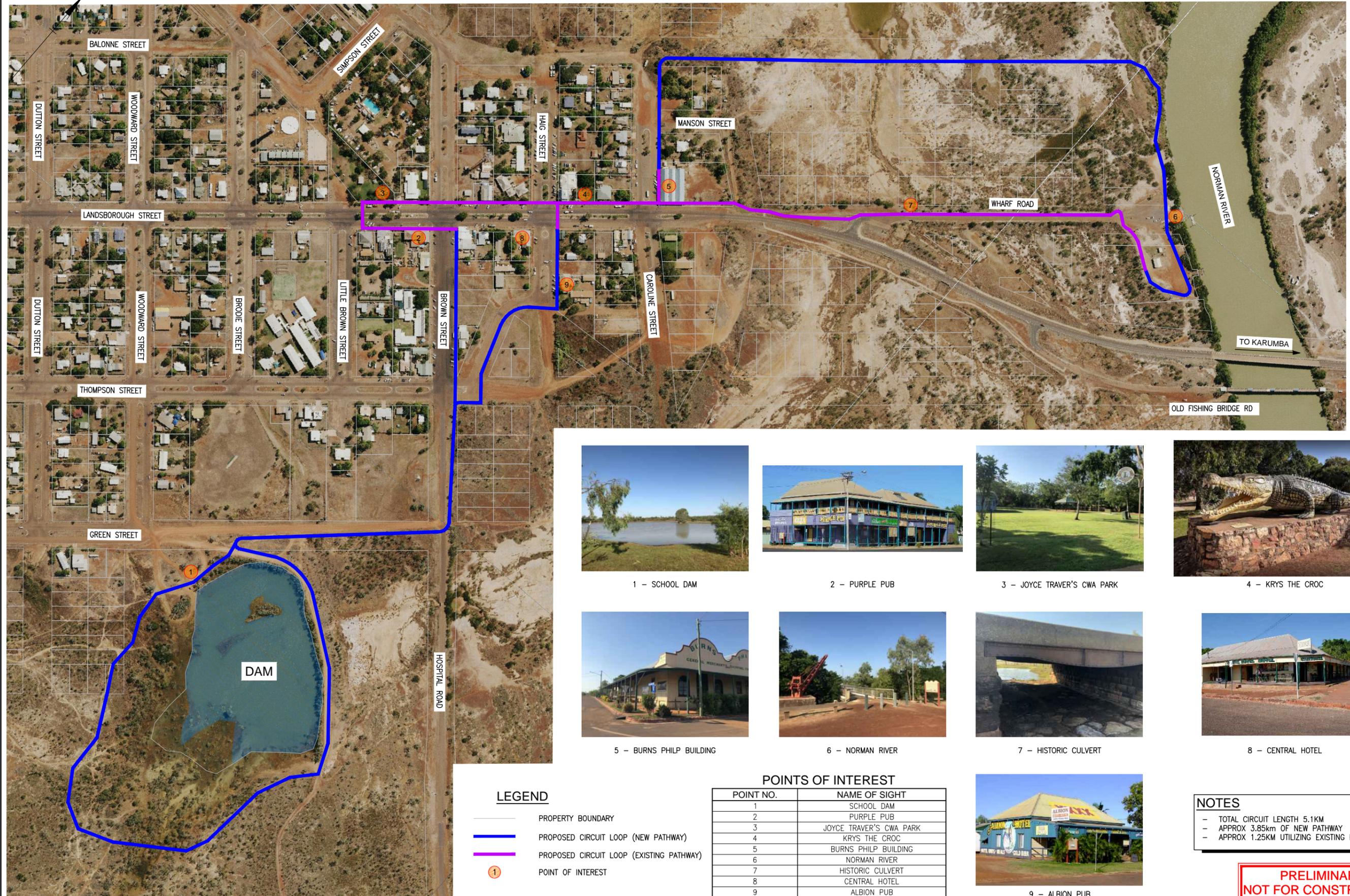


LEGEND

- AREA TO BE TURFED
- PLANTING BEDS
- NEW PAVEMENT FINISH
- NEW PAVEMENT FINISH (CONTRAST)
- DECOMPOSED GRANITE SURFACING

APPENDIX G

Historic Walk Plan



1 - SCHOOL DAM



2 - PURPLE PUB



3 - JOYCE TRAVER'S CWA PARK



4 - KRYS THE CROC



5 - BURNS PHILP BUILDING



6 - NORMAN RIVER



7 - HISTORIC CULVERT



8 - CENTRAL HOTEL



9 - ALBION PUB

LEGEND

- PROPERTY BOUNDARY
- PROPOSED CIRCUIT LOOP (NEW PATHWAY)
- PROPOSED CIRCUIT LOOP (EXISTING PATHWAY)
- POINT OF INTEREST

POINTS OF INTEREST

POINT NO.	NAME OF SIGHT
1	SCHOOL DAM
2	PURPLE PUB
3	JOYCE TRAVER'S CWA PARK
4	KRYS THE CROC
5	BURNS PHILP BUILDING
6	NORMAN RIVER
7	HISTORIC CULVERT
8	CENTRAL HOTEL
9	ALBION PUB

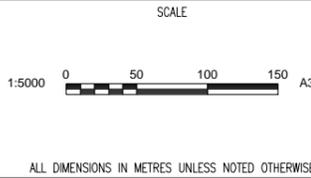
NOTES

- TOTAL CIRCUIT LENGTH 5.1KM
- APPROX 3.85km OF NEW PATHWAY
- APPROX 1.25KM UTILIZING EXISTING PATHWAYS

**PRELIMINARY
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	MIPP2		
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APPENDIX H

Landsborough/Brodie Street Intersection

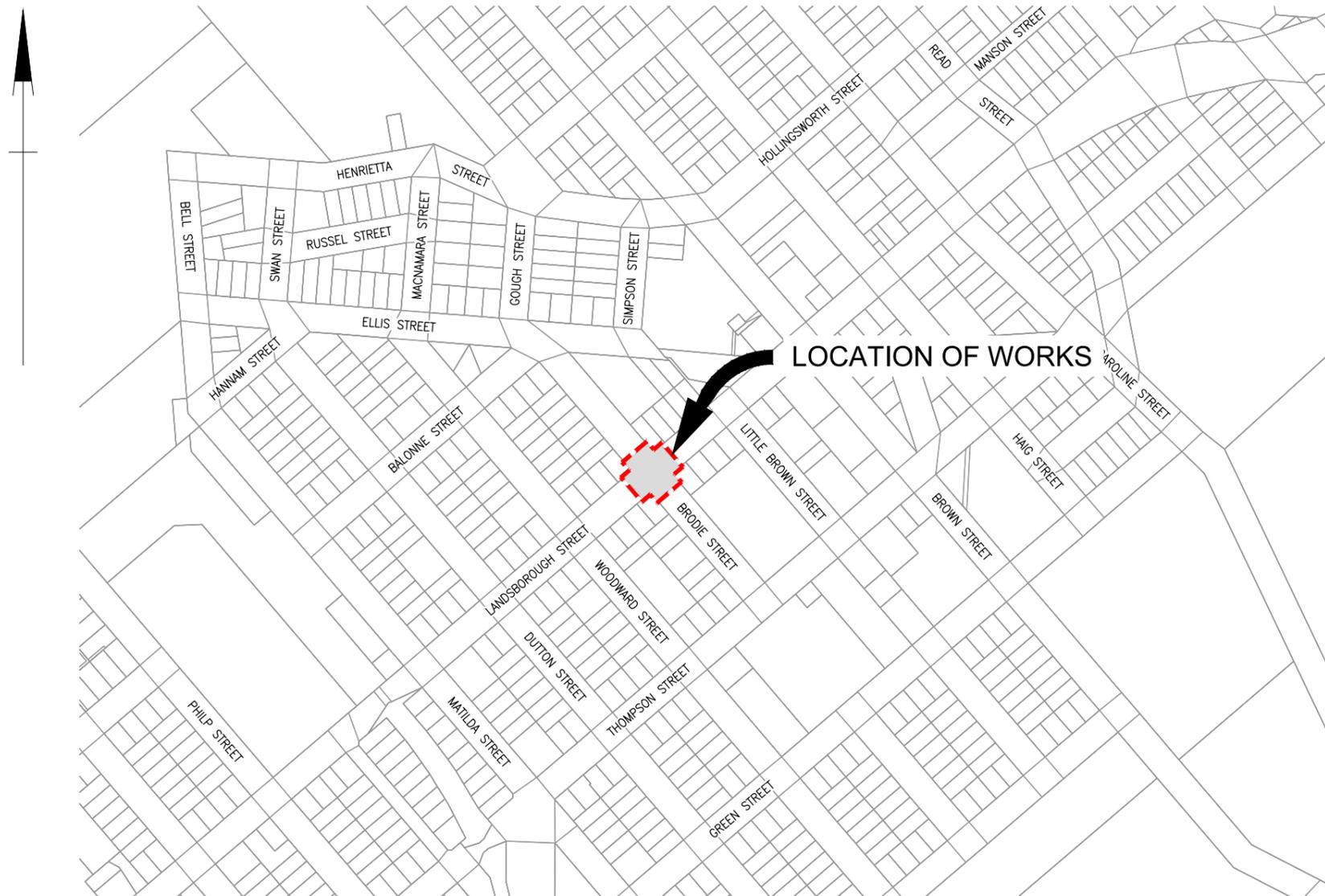
CARPENTARIA SHIRE COUNCIL

LANSBOROUGH-BRODIE STREET INTERSECTION

UPGRADE - R8 CONCEPT OPTION

PROJECT DRAWINGS LIST

- 101-136-007-C01 COVER SHEET, LOCALITY PLAN AND DRAWINGS LIST
- 101-136-007-C02 LAYOUT & LINEMARKING PLAN
- 101-136-007-C03 VEHICLE TURNPATH DETAILS - 2ABQUAD
- 101-136-007-C04 VEHICLE TURNPATH DETAILS - SEMI TRAILOR



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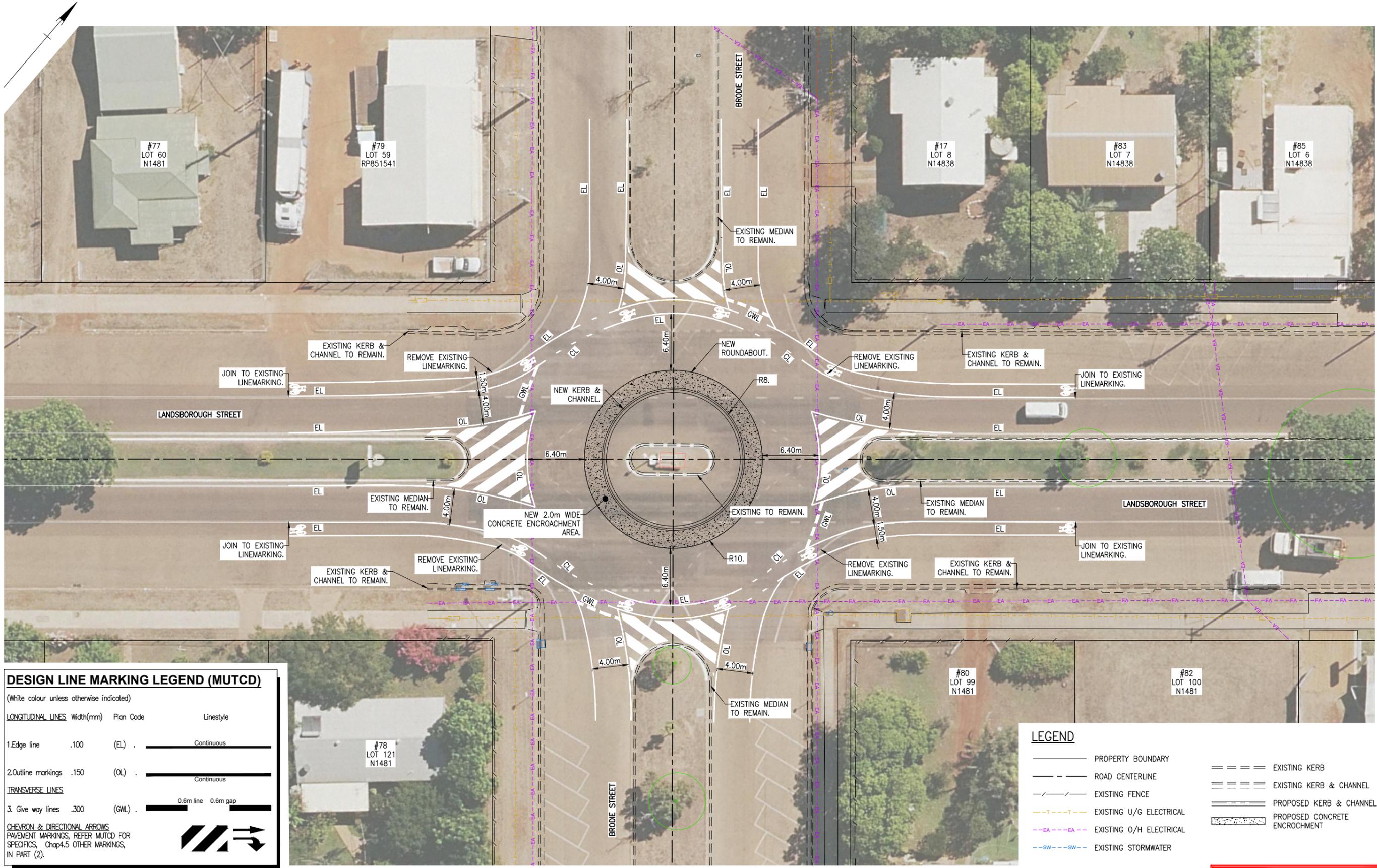


Prepared by:



FOR INFORMATION ONLY

101-136-007-C01 REV 1



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2.Outline markings	.150	(OL)	Continuous

TRANSVERSE LINES

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CHEVRON & DIRECTIONAL ARROWS
 PAVEMENT MARKINGS, REFER MUTCD FOR SPECIFICS, Chap4.5 OTHER MARKINGS, IN PART (2).

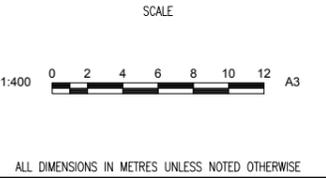
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- / - / -	EXISTING FENCE	=====	PROPOSED KERB & CHANNEL
- - - - -	EXISTING U/G ELECTRICAL	=====	PROPOSED CONCRETE ENCROACHMENT
- - - - -	EXISTING O/H ELECTRICAL		
- - - - -	EXISTING STORMWATER		

FOR INFORMATION ONLY

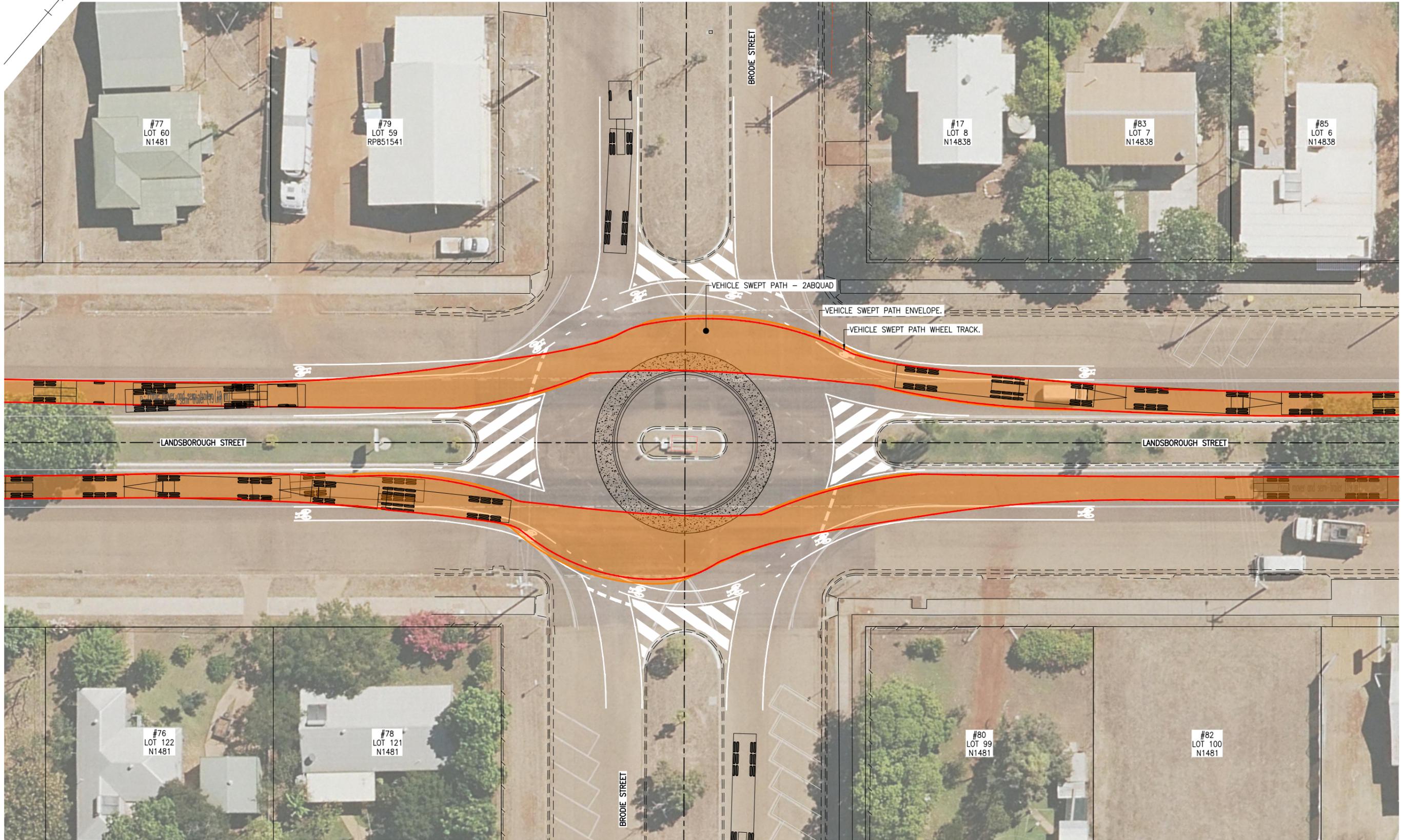
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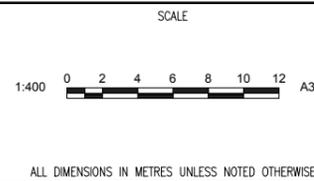
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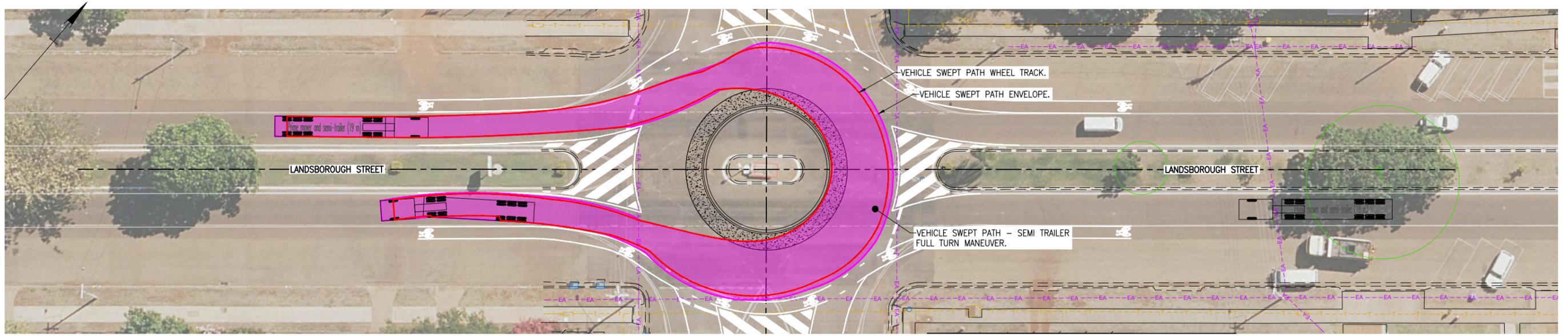
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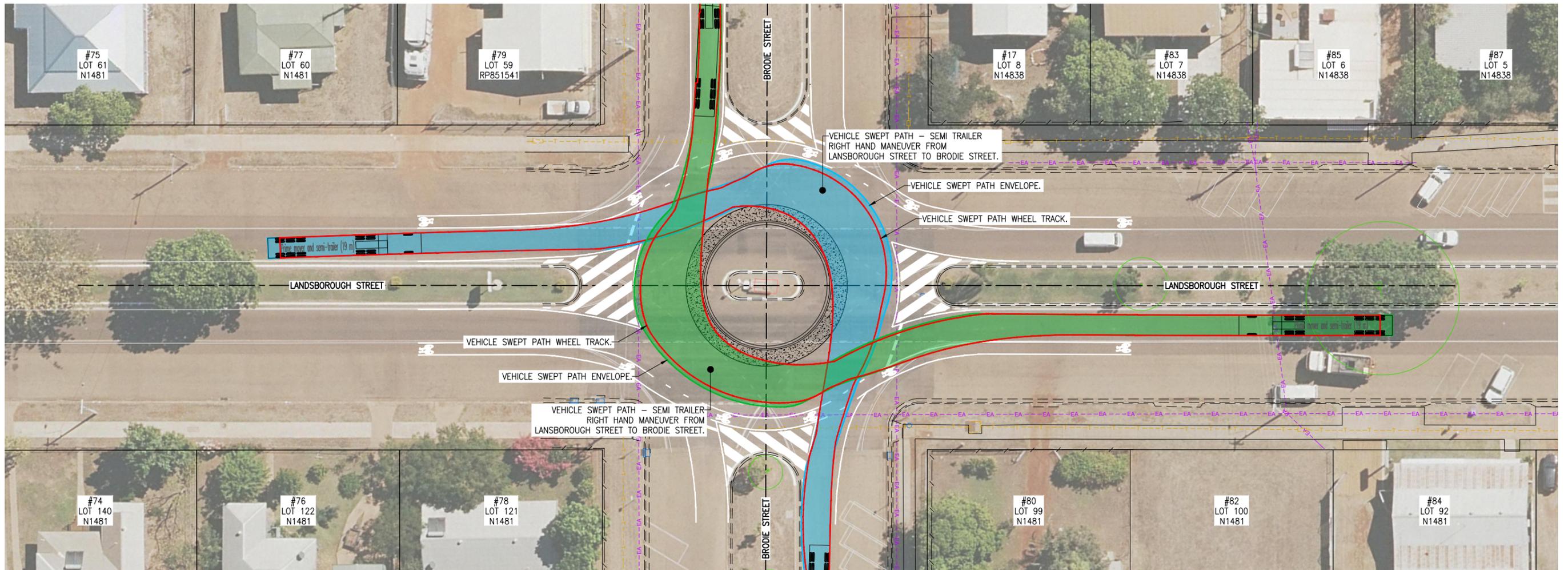


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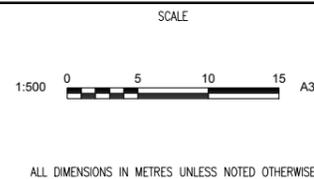


PLAN VIEW 2
SEMI TRAILER RIGHT HAND MANEUVERS

FOR INFORMATION ONLY

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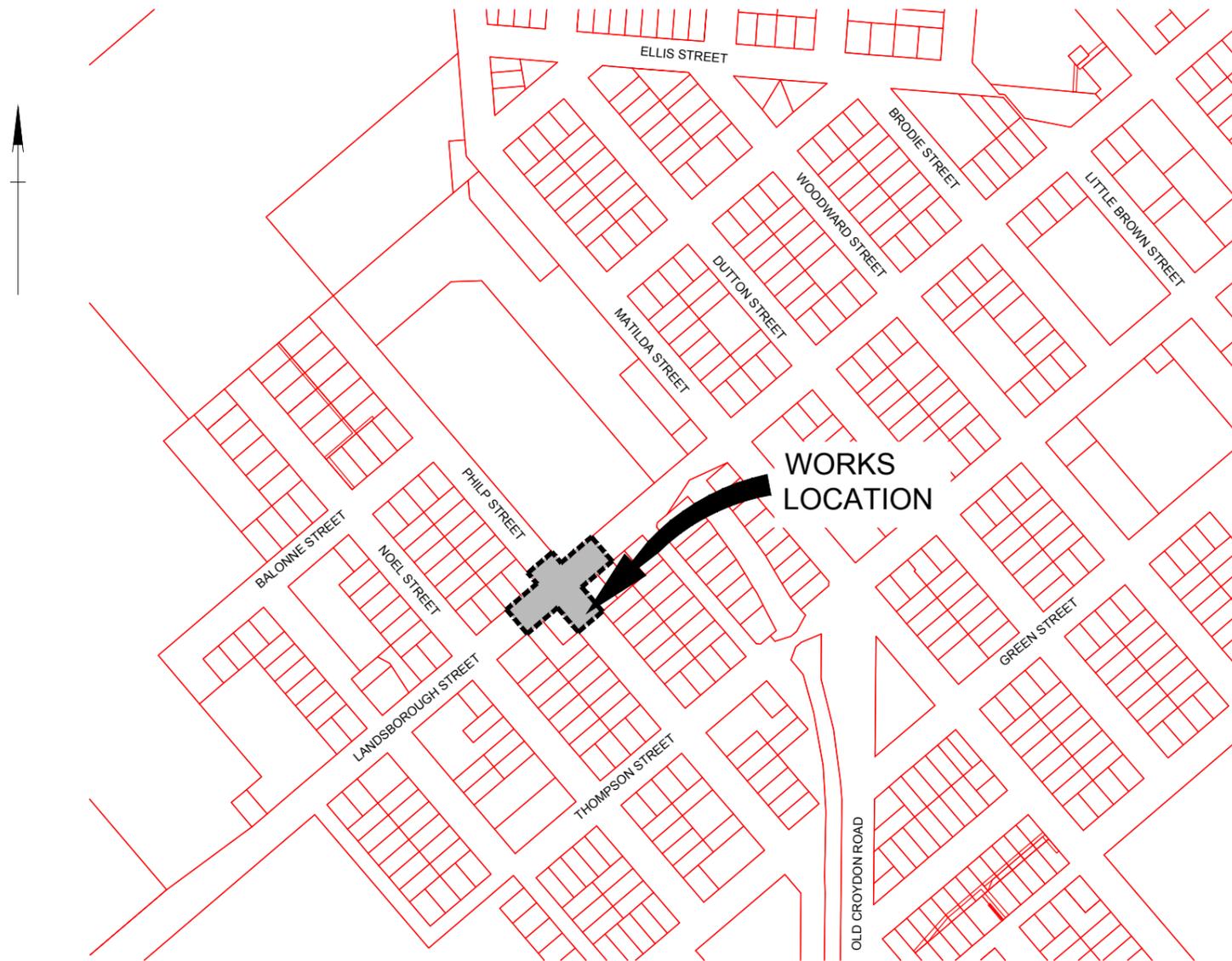
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REVISION			1

APPENDIX I

Landsborough/Philp Street Intersection

CARPENTARIA SHIRE COUNCIL

LANDSBOROUGH-PHILP STREET INTERSECTION UPGRADE AND PEDESTRIAN CROSSING CONCEPT OPTION



PROJECT DRAWINGS LIST

- 101-136-008-SK01 COVER SHEET, LOCALITY PLAN AND DRAWINGS LIST
- 101-136-008-SK01 CROSSING DETAILS
- 101-136-008-SK02 INTERSECTION VEHICLE PATHS

Client:



Prepared by:

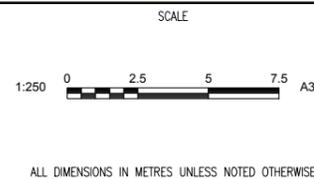


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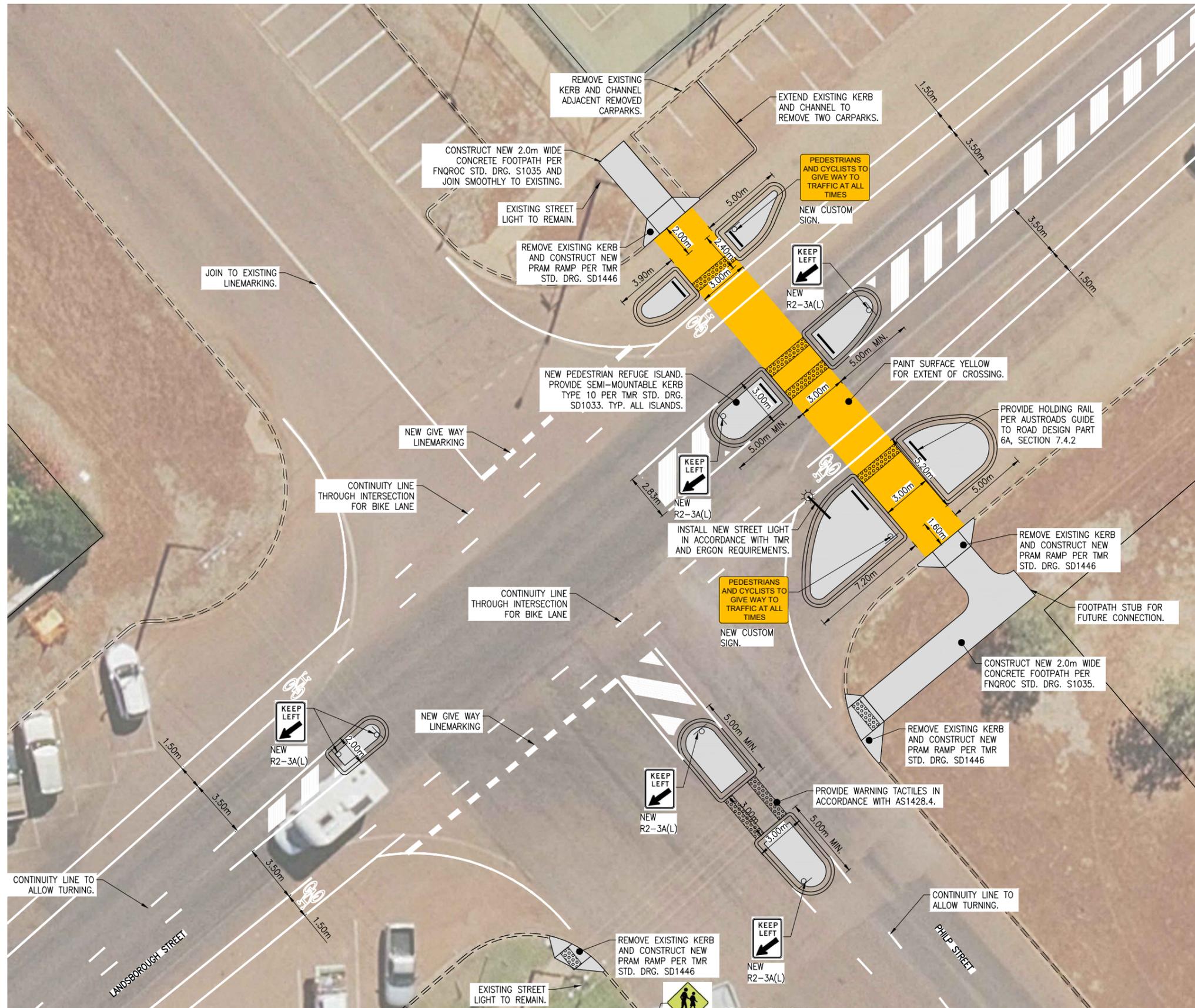
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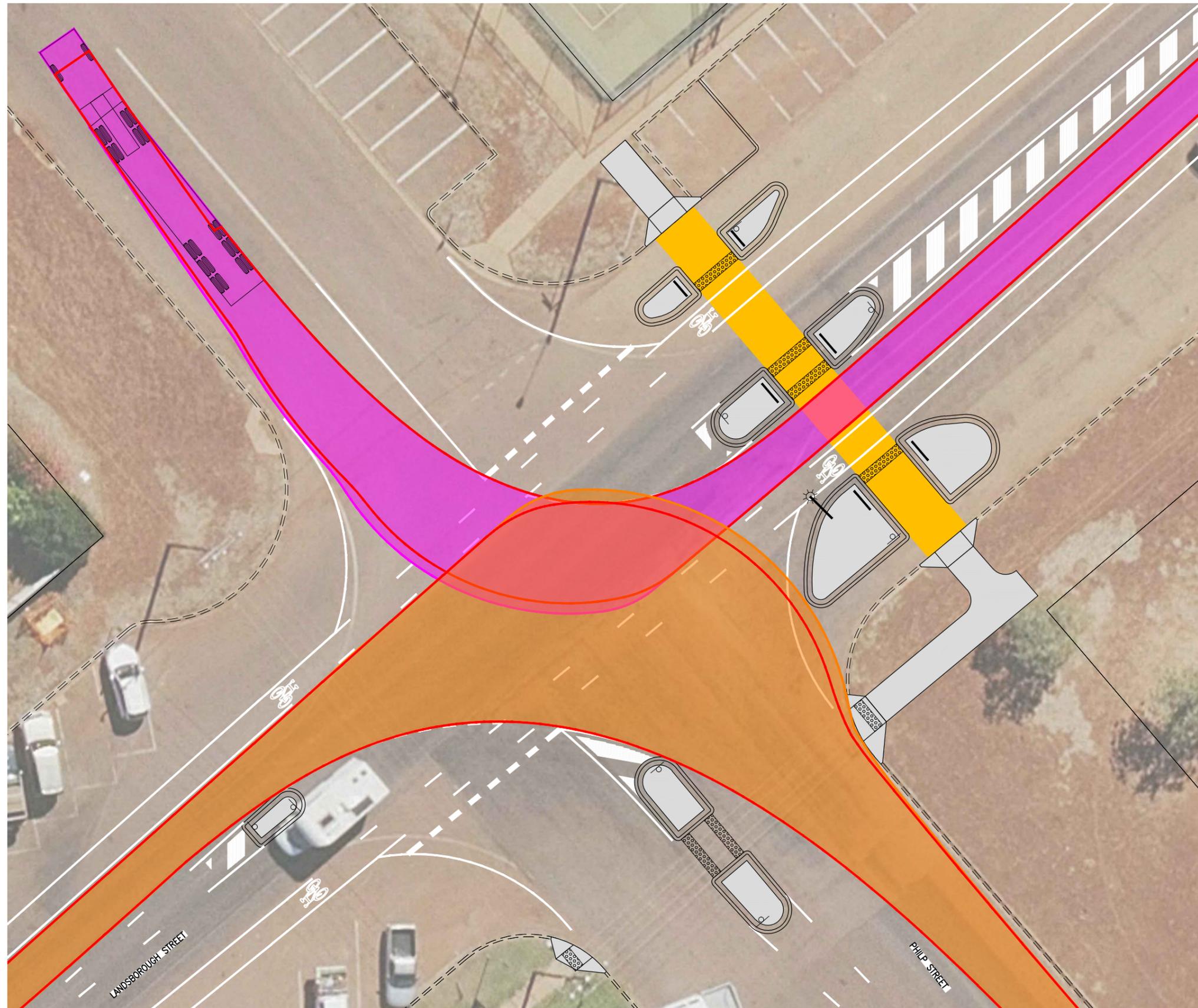
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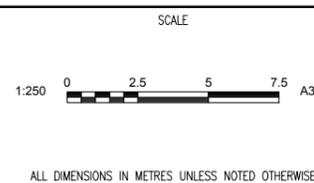


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CIVIL SIGNOFF APPROVAL			
DATE:		RPEQ:	

PROJECT REF: LANDSBOROUGH STREET/PHILP STREET INTERSECTION			
UPGRADE AND PEDESTRIAN CROSSING - CONCEPT OPTION			
DRAWING REF: INTERSECTION VEHICLE PATHS			
DRAWING NO:	101-136-008-SK03	SIZE:	A
		REVISION:	1

APPENDIX J

Centopath Improvements

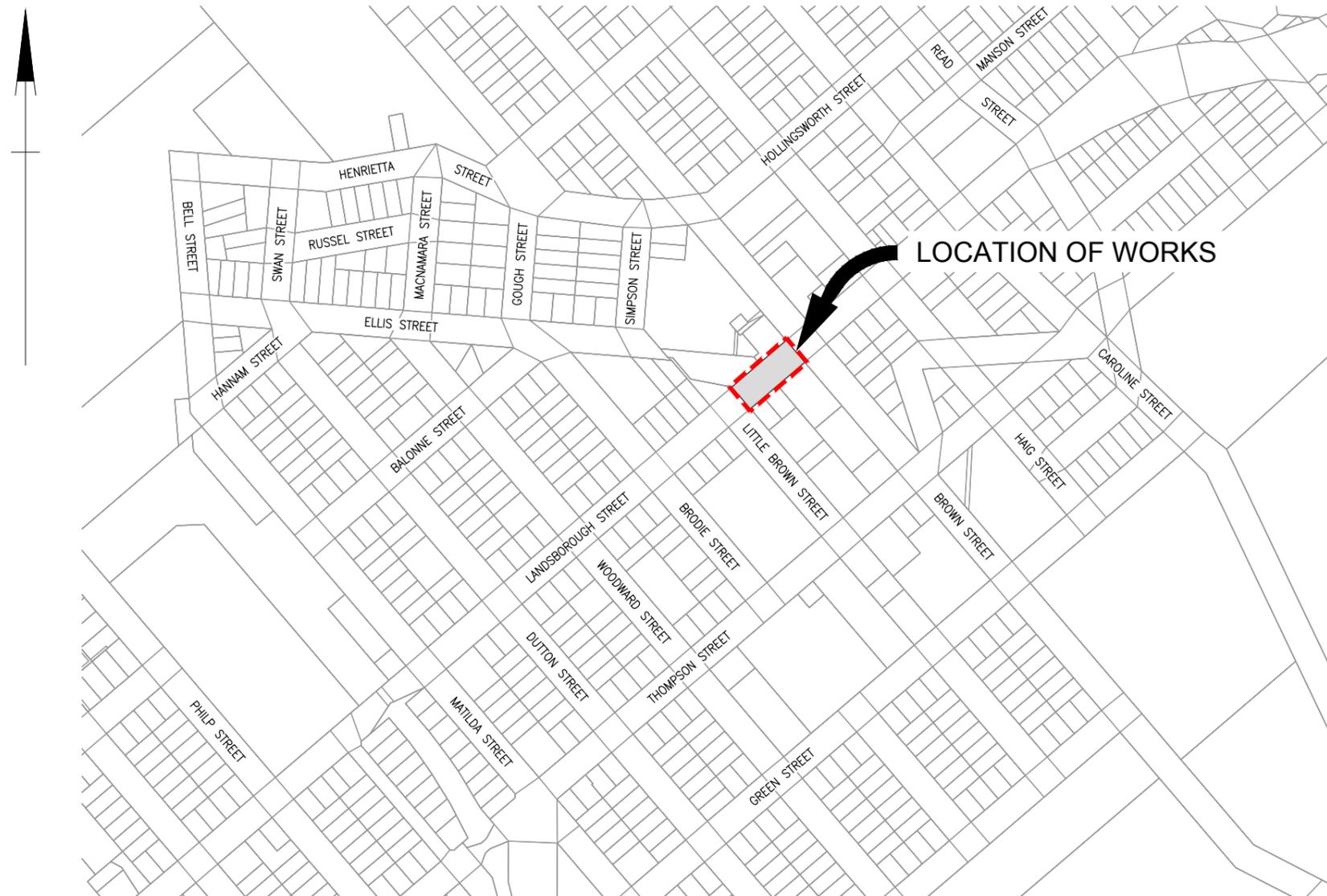
CARPENTARIA SHIRE COUNCIL

NORMANTON CENOTAPH

PARKING UPGRADE

PROJECT DRAWINGS LIST

- 101-136-009-C01 COVER SHEET, LOCALITY PLAN AND DRAWINGS LIST
- 101-136-009-C02 LAYOUT PLAN
- 101-136-009-C03 TYPICAL CROSS SECTIONS



Client:

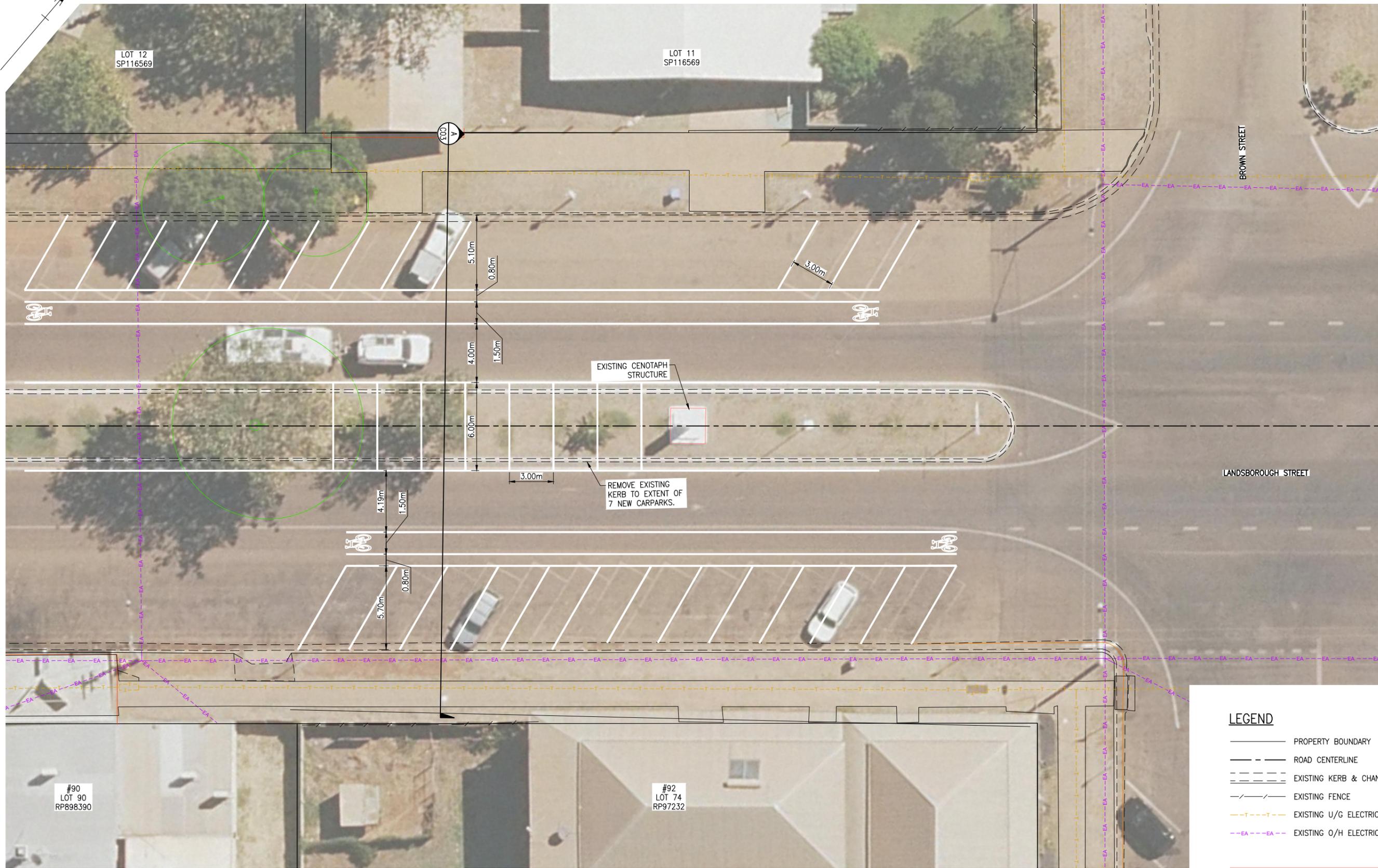


Prepared by:



FOR INFORMATION ONLY

101-136-009-C01 REV 1

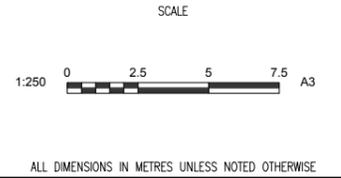


- LEGEND**
- PROPERTY BOUNDARY
 - ROAD CENTERLINE
 - EXISTING KERB & CHANEL
 - /-/-/- EXISTING FENCE
 - - - - - EXISTING U/G ELECTRICAL
 - - - - - EXISTING O/H ELECTRICAL

FOR INFORMATION ONLY

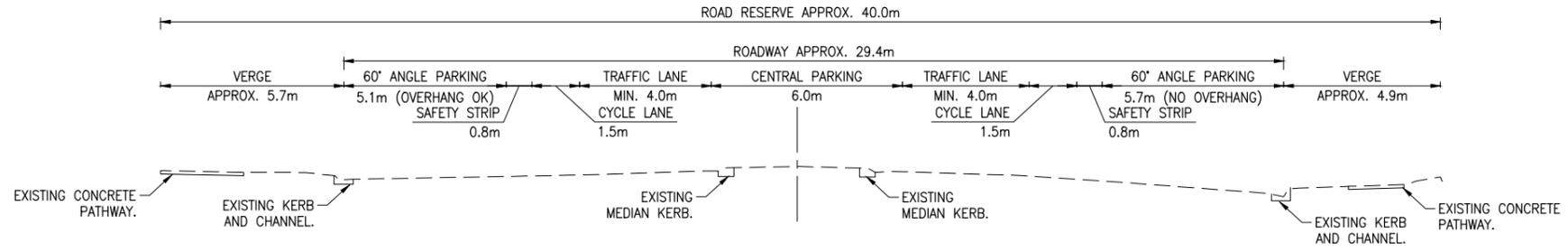
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FILE LOCATION: X:\101 Carp Minor Projects\009 Centotaph parking\Drawings\101-136-009-C02 LAYOUT PLAN.dwg

REVISIONS				
NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	14/05/20	FOR INFORMATION		



DRAWN DH	DESIGNED
DRAWN APPROVED	DESIGN APPROVED
CIVIL SIGNOFF APPROVAL	
DATE:	RPEC:

PROJECT REF	NORMANTON CENOTAPH PARKING UPGRADE		
DRAWING REF	GENERAL LAYOUT		
DRAWING NO	101-136-009-C02	SIZE A3	REVISION 1

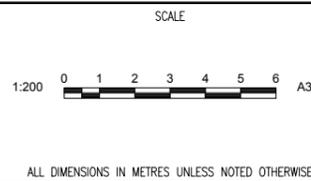


SECTION A
SCALE 1:200

FOR INFORMATION ONLY

PLOT DATE: 14/05/2020 3:56:38 PM
FILE LOCATION: X:\101 Carp SC\136 Minor Projects\009 Centropath parking\Drawings\101-136-009-C03_XSECTIONS.dwg

NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	14/05/20	FOR INFORMATION		

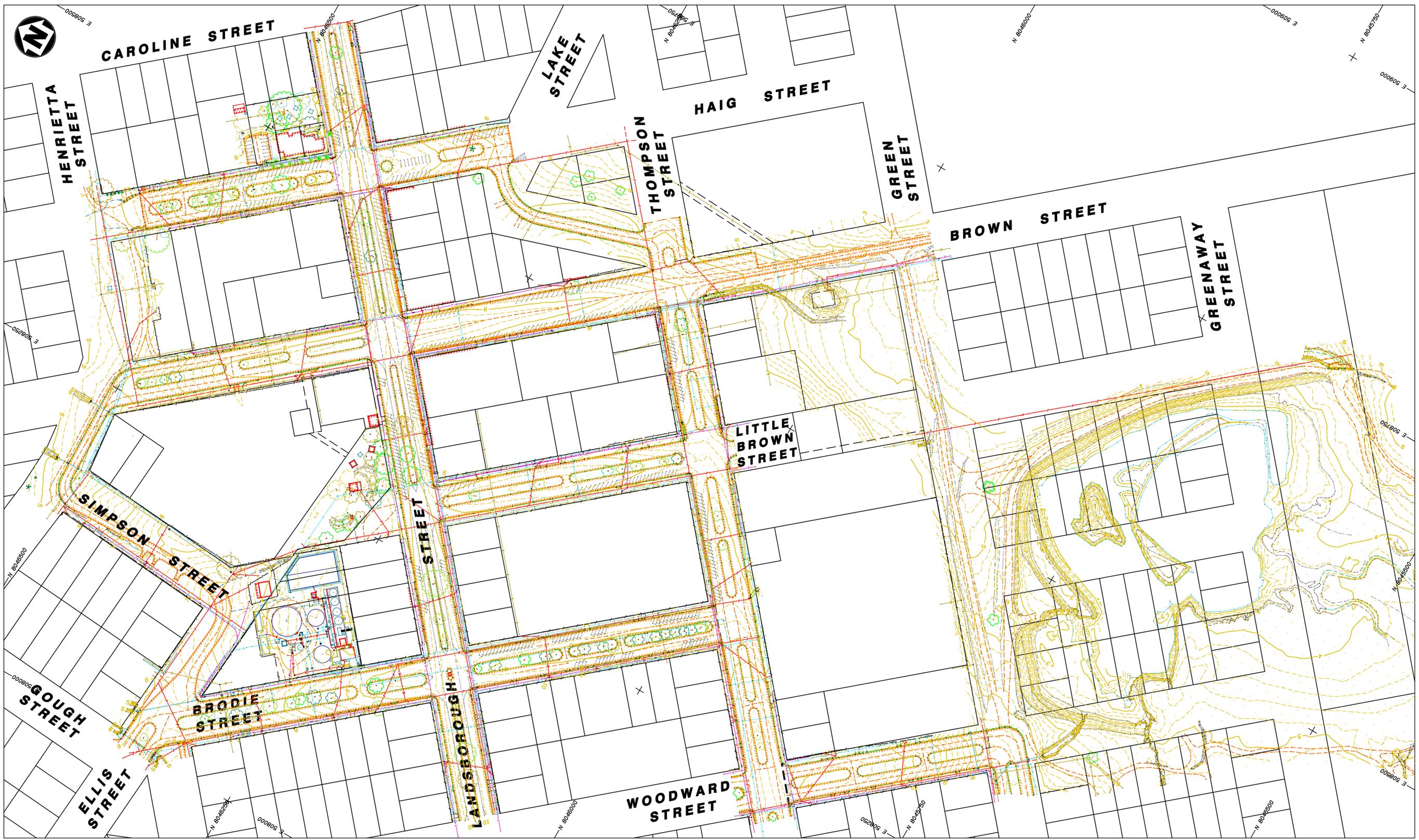


DRAWN	DH	DESIGNED	MT
DRAWN APPROVED	MT	DESIGN APPROVED	JM
CIVIL SIGNOFF APPROVAL			
DATE:		RPEQ:	

PROJECT REF		NORMANTON CENOTAPH PARKING UPGRADE	
DRAWING REF			
TYPICAL CROSS SECTION			
DRAWING NO		101-136-009-C03	SIZE A3
			REVISION 1

APPENDIX K

Normanton Town Survey



ADDITIONAL NOTES

- Boundaries depicted hereon are derived from the Digital Cadastral Database (DCDB) and minimal connections to selected survey marks in the local area. Therefore the true location of all boundaries are subject to field survey.
- The existence and location of all underground and overhead services must be verified with the relevant authorities prior to any excavation, demolition or construction works.
- 3D database is true planar (sf = 1.0000) with all ground distances being non-MGA94 grid distances. All co-ordinates are MGA94 (Zone 54) planar as referred to PSM15613 for seed co-ordinate purposes (Refer also Note 4 below)
- 3D database depicting Glenore - Normanton Raw Water Pipeline southwest of intersection of Woodward & Thompson Street is TRUE MGA94 (i.e. GRID DISTANCES note PLANAR DISTANCES)
- This plan and the associated survey data has been prepared for the purposes of identifying site opportunities and development constraints for a future planning and construction project and should not be used for any other purposes.

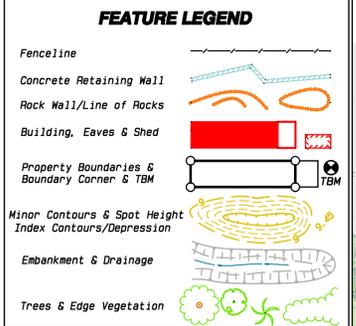
..... Brian Lane LS
..... Date

FEATURE LEGEND

- Road Line Pavement Marking & Signage
- Access Track/Road Shoulder
- Bitumen Road/Conc Pavement & Road Centreline
- Railway Line
- Telcomm Pit, U/G Telcomm Cable & Telcomm Pillar
- Water Tap, Fire Hydrant Stop Valve & U/G Mains
- Elec Box, Elec Light Pole, U/G Cable & Power Pole
- Sewer Manhole & U/G Mains
- Stormwater Pit & RCP

FEATURE LEGEND

- Fenceline
- Concrete Retaining Wall
- Rock Wall/Line of Rocks
- Building, Eaves & Shed
- Property Boundaries & Boundary Corner & TBM
- Minor Contours & Spot Height
- Index Contours/Depression
- Embankment & Drainage
- Trees & Edge Vegetation



AUSNORTH CONSULTANTS

B: (07) 4037 0144
M: 0427 570 100
F: (07) 4037 0166

PO Box 39
MACHANS BEACH QLD 4878
E: B.Lane@ausnorth.com.au

**SURVEYING
PLANNING
MAPPING
MINING
PROPERTY
ENGINEERING**

Rev	Description	Approved	Date
C	HydroVac U/G Service Locations & DEM Extension (Brodie, Ellis, Simpson, Henrietta, Brown & Haig Street road reserve corridors)	BJL	14/09/2020

Job No. 19054	
Client CARPENTARIA SHIRE COUNCIL	
SCALE 1:1500 (A1 Format)	
0 20 40 60 80 100m	
Meridian	MGA94 (Zone 54) VIDE PSM15613
Datum	AHD vide PSM15613
Contour Int	200mm
Cad Ref	NTOWN RWP DEM 1109
Surveyed	BJL 04/09/2020
Drafting	BJL 14/09/2020

Parish **NORMAN**
County **NORMAN**
Locality **NORMANTON**
LGA **CARPENTARIA S.C.**
Map Reference
Original Desc.

**DETAIL FEATURE CONTOUR
& SITE ASSET SURVEY
RAW WATER PIPELINE
ROUTE CORRIDOR PROJECT
NORMANTON**

Dwg. No. **19054/DTM/01** Rev. **C**