MAKING COMPLEX EASY
A TETRA TECH COMPANY

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Our ref: 388777

Date: 29 May 2026

Chief Executive Officer
Mareeba Shire Council
PO Box 154
Mareeba QLD 4880

Attn: Carl Ewin, Supervisor Planning & Building

Dear Carl,

10 Margherita Close, Mareeba - Application for Development Permit for Material Change of Use - Retirement Facility (Extension of Existing Thyme Lifestyle Resort)
Information request response (pursuant to Section 13.2 of the Development Assessment Rules)
Your Ref: MCU/26/0006

We refer to Councils information request, dated 7 May 2026, for the development application over the above site.

Pursuant to sections 13.2 of the *Development Assessment Rules* we provide our response to this information request below.

In accordance with Section 13.3 of the *Development Assessment Rules*, we confirm that this letter and attachments constitute our response to Council's information request. Accordingly, we request that Council proceed with assessment of this development application.

Information request response

1 Updated Traffic Count Data - Engineering Services Assessment

The Engineering Services Assessment included in Appendix D of the application includes a Traffic and Access assessment (Part 3) which uses dated 2021 traffic count data sourced from Council.
Please amend Part 3 of the Engineering Services Assessment to include the more recent 2025 traffic count data. Please contact Council's Technical Services Department to obtain this data.

Response

The 2025 traffic count data has been included in a revised Engineering Assessment, which is attached at **Appendix A**.

The revised assessment has indicated that based on the adopted traffic volume and a 30-year design horizon, the Margherita Close intersection is expected to warrant a channelised right-turn treatment, short treatment (CHR(S)), for right-turning traffic from Anzac Avenue. The Austroads warrants also indicate that other intersections on Anzac Avenue north of Ceola Drive may require Council consideration where right-turn volumes exceed 5 vehicles per hour.

The trigger for the upgrades to the intersection are as a result of the increased traffic volume along Anzac Avenue generated by existing development. The development alone does not trigger any upgrades to Anzac Avenue and the upgrades are not required as a result of the proposed development.

In addition to the above, it is understood that the Council will be seeking to secure the following works to Anzac Avenue as part of any approval granted:

- A pedestrian crossing to provide safe access across Anzac Avenue to the Library on the south side of Anzac Avenue;
- Upgrades to Anzac Avenue at the site frontage and to the frontage of the adjacent Lot 1 on RP731680, located at 38 Anzac Avenue, Mareeba, including drainage works.

The Councils Local Government Infrastructure Plan (LGIP) identifies the Anzac Avenue as a Trunk Road (Existing Higher Order Local Road). Consequently, the proposed works are considered to be works to upgrade existing Trunk Infrastructure.

In accordance with s127 of the *Planning Act 2016,* any condition requiring works to Anzac Avenue is considered to be a necessary infrastructure condition and I able to be applied in accordance with section 128 of the Act.

In accordance with s129 of the Act, the trunk infrastructure works is the subject to offset or refund requirements. Such an offset or refund is to be calculated in accordance with s116 and s137 of the Act and the Adopted Infrastructure Chares Resolution (AICR).

In accordance with the AICR, following receipt of the Infrastructure Charges Notice, the applicant is required to provide notice to the Council requesting a recalculation of the infrastructure charges. The request is to be supported by:

- a bill of quantities for the design, construction and commissioning of the trunk infrastructure in accordance with a scope of works that is provided by Council; and
- a first principles estimate for the cost of designing, constructing and commissioning the trunk infrastructure specified in the bill of quantities.

Once the costs have been agreed the Council will issue an amended Infrastructure Charges Notice.

As part of the consideration of this application and in anticipation of the necessary infrastructure conditions, it is requested that Council confirm that the works to Anzac Avenue, including the intersection upgrades, the frontage works and the pedestrian crossing are Trunk Infrastructure Works and eligible for a refund or offset in accordance with s129 of the *Planning Act 2016.*

Refer to **Appendix A – Revised Engineering Assessment Rev. C**

We look forward to continuing working with you on this development. In the meantime, if you have any queries please contact the writer (contact details below).

Yours sincerely,
for RPS AAP Consulting Pty Ltd

Patrick Clifton
Senior Principal | Practice Leader - Planning, Cairns
patrick.clifton@rpsconsulting.com
07 4031 1366

Appendix A

Revised Engineering Assessment Rev. C

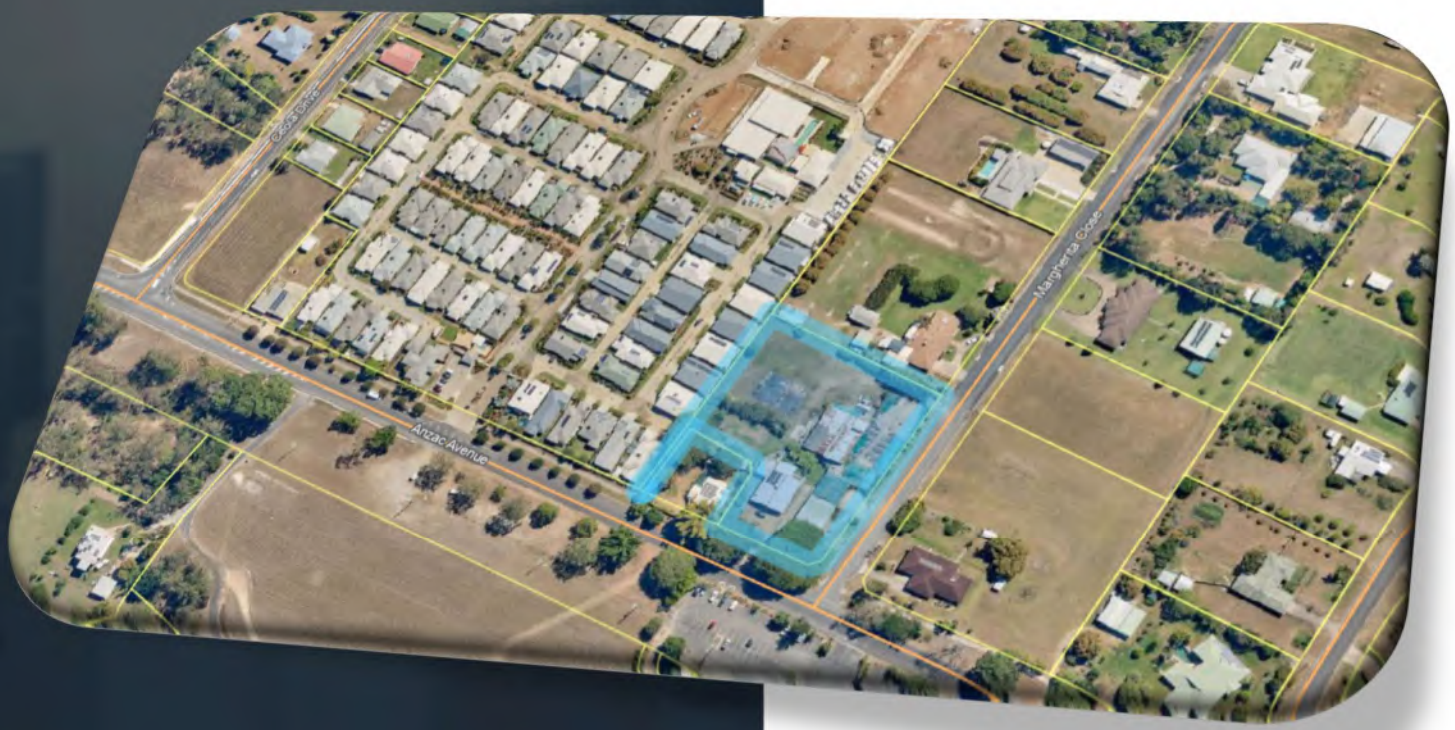
Thyme Lifestyle Resort (Lot 9 RP737161)

Engineering Services Assessment

021-2504-R-001| Revision C

25 May 2026

Serenitas



Project Name	Thyme Lifestyle Resort (Lot 9 RP737161)
Project Address	Margherita Close (Lot 9 RP737161)
Project No:	021-2504
Document Title:	Engineering Services Assessment
Document No.:	021-2504-R-001
Revision:	C
Date:	25/05/2026
Client Name:	Serenitas

Report prepared by
Craig Caplick | Principal Engineer | RPEng RPEQ 25102 | +61 402 568 698 | Craig@ConsultNeon.com.au

Revision History

Rev	Date	Description
A	13/07/2025	Draft
B	13/08/2025	For Approval
C	25/05/2026	Updated Traffic Count

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Appendix B. Engineering Masterplans
Appendix C. Traffic Count
Appendix D. Site Based Stormwater Management Plan

1. Introduction

Neon Consulting has been engaged to prepare an Engineering Services Assessment to support a Development Application for a development at Margherita Close (Lot 9 RP737161).

Figure 1 - Locality Aerial Image (image sourced from Qld Globe)

Figure 2 - Project Site Aerial Image (image sourced from Qld Globe)

The development proposal is for Material Change of Use to extend the existing resort into Lot 9 on RP737161 to accommodate an additional 19 villas. Appendix A contains the preliminary development layout.

The key engineering outcomes of a pre-lodgement meeting with Council officers were:

- Any access from Margherita Close should be as far removed from the Anzac Avenue Intersection as possible.
- A Traffic Impact Assessment will be required to support the development. Anzac Avenue carries 6,000 vehicles per day, and this is expected to increase; Council will want to understand the impact of any traffic generation on the operation of the intersection.
- It is preferred that the internal sewer network be extended to accommodate the additional development; however, it is understood that there is capacity within the external network to accommodate the development.
- It is preferred that the internal water network be extended to accommodate the additional development; however, it is understood that there is capacity within the external network to accommodate the development.
- Council will request that the full frontage of Anzac Avenue be upgraded.
- There is a desire to see a pedestrian crossing installed at the frontage of Anzac Avenue as part of these works to provide improved pedestrian access to the bowls club and library on the opposite side of the road.

The following report addresses the civil engineering elements of a development application to determine the development constraints, in particular:

- Traffic and Access
- Wastewater Disposal
- Water Supply
- Site Grading
- Stormwater and Flooding
- Electrical and Telecommunications

2. Site Grading and Clearing

The development site, formerly the Mareeba Garden Centre, is currently a large lot with multiple structures and multiple accesses to Anzac Avenue and Margherita Close.

The proposed development layout has been advanced through preliminary design options to provide efficient access, earthworks, stormwater and sewer outcomes.

The earthwork philosophy is to achieve the project goals while also achieving the following;

- Compliance with the FNQROC Development Manual - Design Guideline D2
- Flood immunity- the development can provide a building envelope with a Finished Floor Level (FFL) above the 1% Annual Exceedance Probability (AEP) water surface level.
- Stormwater drainage compliant with FNQROC Development Manual - Design Guideline D4 and QUDM
- Provision of a gravity sewer.
- Balanced earthwork cut and fill volumes.
- Efficient and economical design

Earthwork compaction testing will comply with AS3798 – Guidelines on Earthworks for Commercial and Residential Development and the Far North Queensland Regional Organisation of Councils (FNQROC) Design Guideline D2. Topsoil from the site will be stockpiled before earthworks and spread over the zones identified for grass and landscaping.

2.1 Erosion and Sediment Control

The development will be programmed so that the restoration of ground cover by paving or revegetation is complete within the shortest time period, and by avoiding the tropical wet season. Potential causes of erosion for this site by wind erosion or precipitation are:

- Stripping and removal of topsoil
- Removal of fill
- Other earthwork operations
- Heavy vehicle use on-site

A compliant erosion and sediment control strategy will be required before any construction to meet the parameters below. No clearing or earthwork activities are to be undertaken unless preceded or accompanied by the installation of adequate runoff and sediment control measures.

Following practical completion of the project, a minimum of 70% coverage of all soil with ground cover (i.e. topsoiling and seeding) shall be provided within 30 calendar days.

During the construction phases, water spraying will be used with care to act as a dust suppression method.

2.1.1 Monitoring and Maintenance Programs

Water discharge from the site will adhere to a total suspended solid content of less than 50 milligrams per litre and a pH range of between 6.5 and 8.5 at all times. If the pH of the flocculated water is not achieved, then pH adjustments will be required. This could possibly be done by a dosing of lime.

Site personnel will inspect all erosion and control measures at least at the following frequencies:

- Daily during construction works,
- Weekly when construction works are not happening,
- Within 24 hours of expected rain, and
- Within 18 hours of an impacting rainfall event.

All erosion and sediment control measures that have an order of efficiency below 75% will be corrected by the end of that working day

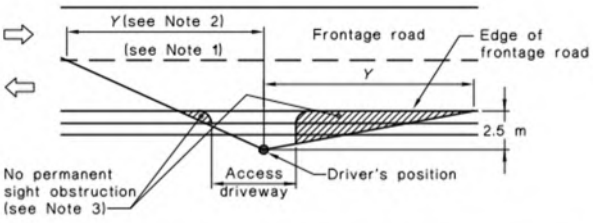
3. Traffic and Access

3.1 Development Access

The proposed dwellings are not proposed to have direct driveway access to Margherita Close or Anzac Avenue. Road Access to the development will be provided via a single access crossover to Margherita Close, approximately 80 metres from Anzac Avenue. The proposed Margherita Close access will be 6 metres wide, compliant with FNQROC Standard Drawing S1015 requirements for a commercial crossover. The width will allow two design vehicles to pass without impediment, with pavement widening at bends to facilitate the safe and unobstructed passage of vehicles. The access design prioritises both accessibility and safety, ensuring that all dwellings are easily reachable while also incorporating a designated stormwater flow path to channel runoff toward the lawful discharge points

3.1.1 Safe Site Access

The proposed access will provide sufficient safe sight distance for vehicles on the surrounding road network, in accordance with AS2890.1.



Frontage road speed (Note 4) km/h	Distance (Y) along frontage road m		
	Access driveways other than domestic (Note 5)		Domestic property access (Note 6)
	Desirable 5 s gap	Minimum SSD	
40	55	35	30
50	69	45	40
60	83	65	55
70	97	85	70
80	111	105	95
90	125	130	Use values from 2nd and 3rd columns
100	139	160	
110	153	190	

Figure 3 – Sight Distance Requirements at Access Driveways

3.2 Development Traffic Generation

The peak hour traffic generation from the development is 15.2 vehicles per hour (vph) using the recommended trip generation rates stipulated in TMR Road Planning and Design Manual (RPDM 1 st edition) – Chapter 3: Road Planning and Design Fundamentals, Appendix 3A peak rate for detached dwellings of 0.8 per dwelling.

3.2.1 Margherita Close

Margherita Close has twelve (12) other residential properties, which will generate 9.6 vph in the peak hour.

Mareeba Shire Council undertook a traffic count at Margherita Close in the week of 5th -12th November 2025. The results are included Appendix C. Traffic counts show that the actual peak hour averages as 11.6 vph in the AM and 12 vph in the PM. The highest values in those times are 17 and 15 vph, respectively.

When accounting for a peak rate of 0.8vph per dwelling the peak hour traffic rate expected in Margherita Close after the proposed change could be as high as 32.2 vph (i.e 17vph plus 15.2vph from the development).

3.2.2 Anzac Avenue

Since Revision B of this report, Mareeba Shire Council has undertaken additional traffic counts on Anzac Avenue during the week of 29 October to 5 November 2025. The results are included in Appendix C and indicate a peak-hour traffic volume of approximately 850 vehicles per hour at the count location shown below.

The 2025 count is significantly higher than the 2021 traffic data previously provided by Council, which recorded a maximum AM peak of 381 vehicles per hour. The difference is partly attributable to general traffic growth and partly to the location of the 2025 count, which captures additional traffic using Ceola Drive to access Mareeba. On this basis, it is considered conservative to adopt an Anzac Avenue traffic volume of 600 vehicles per hour at the Margherita Close intersection for the purposes of assessing turn treatment warrants.

Figure 4 – Traffic Count Locations (image sourced from Qld Globe).

Based on the adopted traffic volume and a 30-year design horizon, the Margherita Close intersection is expected to warrant a channelised right-turn treatment, short treatment (CHR(S)), for right-turning traffic from Anzac Avenue. The Austroads warrants also indicate that other intersections on Anzac Avenue north of Ceola Drive may require Council consideration where right-turn volumes exceed 5 vehicles per hour.

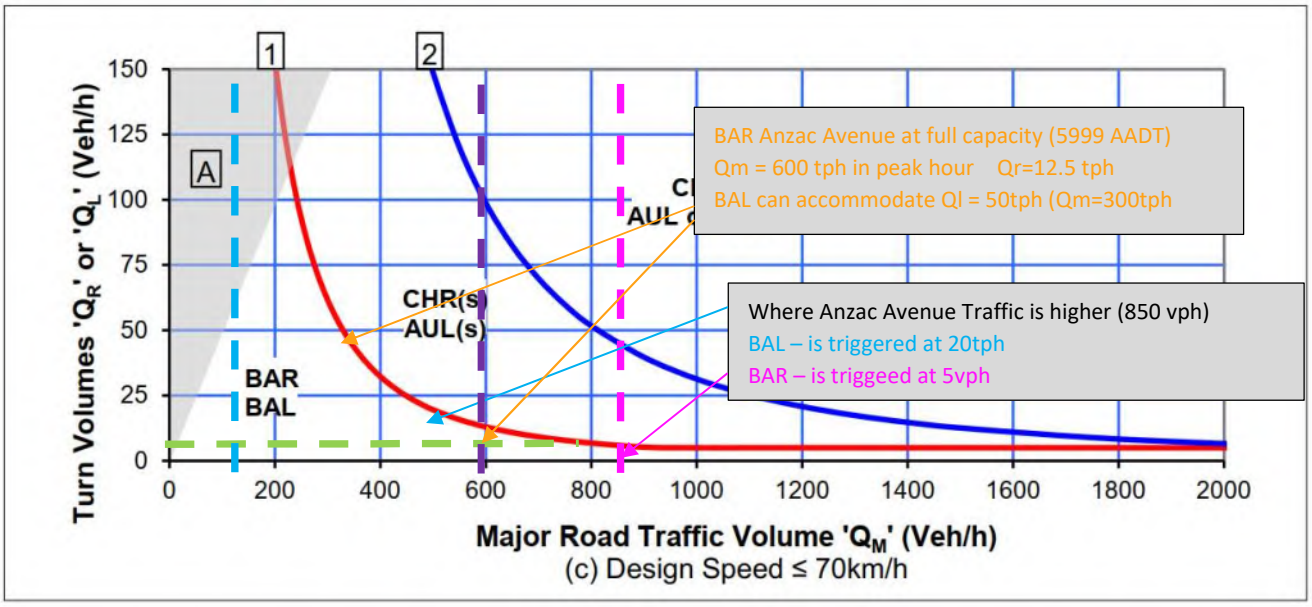


Figure 5- Austroads AGTM Part 6 – Figure 3.25(c) Warrants for turn treatments on major road an unsignalised intersections – Posted Speed = 60km/h

In the short term, a CHR(S) treatment may be achievable through linemarking changes, subject to detailed design. This may require removal or modification of the short section of bicycle lane currently located near the library frontage. The library car park access should also be reviewed and, if required, relocated further east to reduce conflict with the Margherita Close intersection.

The indicative CHR(S) arrangement shown below is provided for context only. It is not intended to show a detailed design layout or scaled roadworks footprint.

Figure 6 – Indicative CHR(S) Arrangement (image sourced from Qld Globe).

3.2.2.1 Prelodgement Advice – Road Upgrade

One of the items noted from the pre-lodgment meeting for this development was that *"Council will request that the full frontage to Anzac Avenue is upgraded"*. It is assumed that the extent of this request will be limited to shoulder widening, verge works and kerb and channel between Margherita Close and the existing kerb and channel to the west.

Figure 7- Assumed extent of Anzac Avenue upgrade (Google Street View looking south east along Anzac Avenue towards Margherita Close).

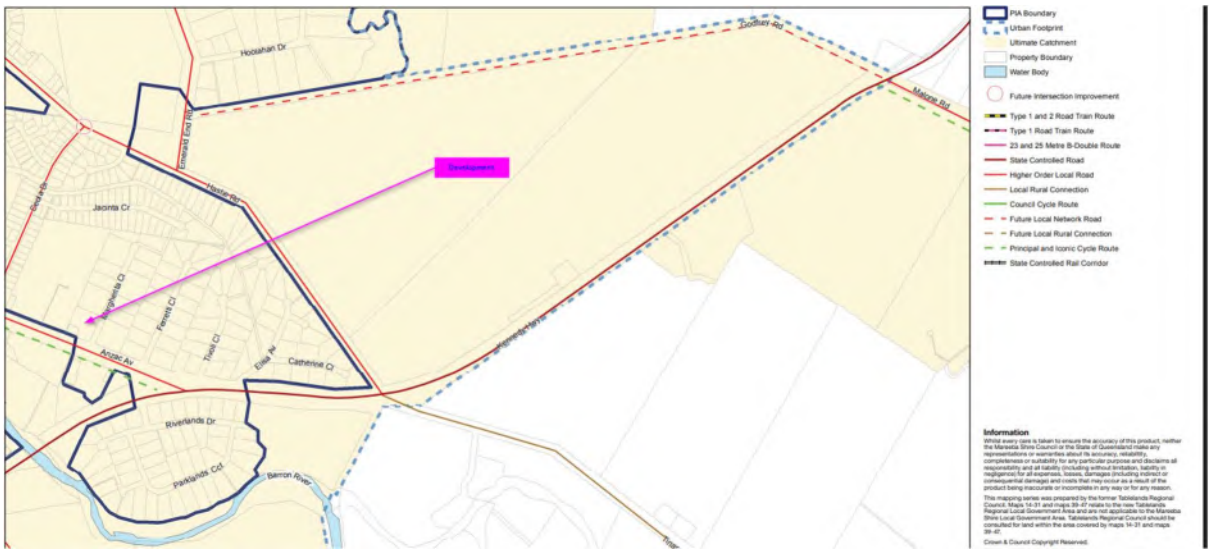


Figure 8- Extract of The Mareeba Shire Council – Plans for Trunk Infrastructure – Transport.

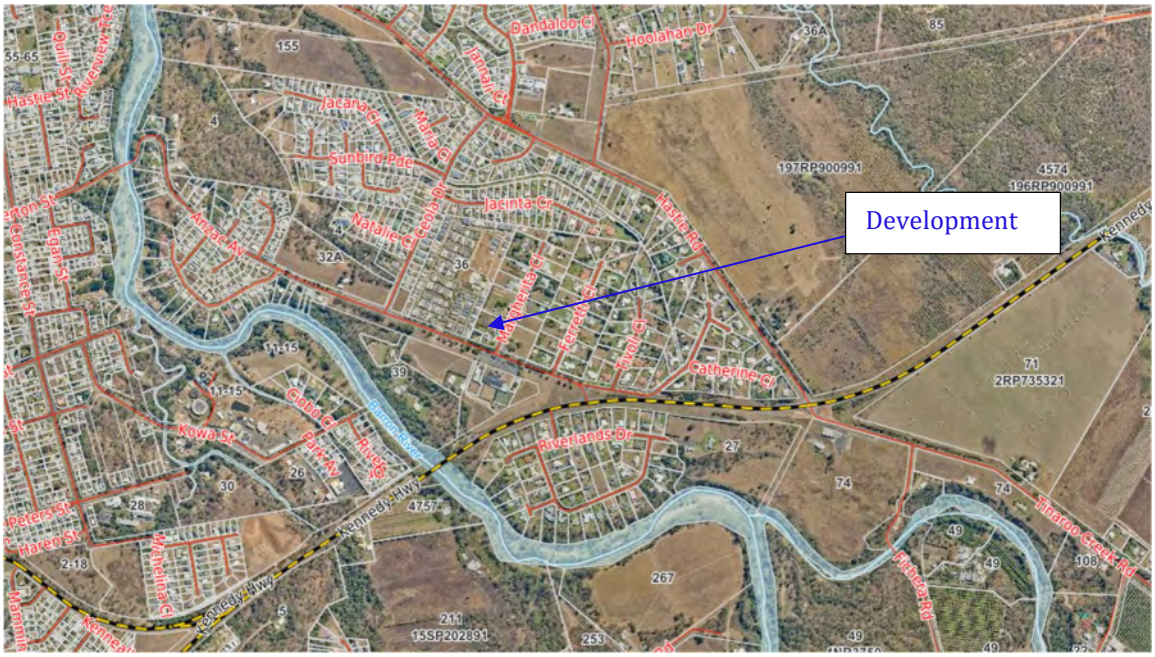


Figure 9- Mareeba Shire Council – Interactive Mapping.

3.2.2.2 Prelodgement Advice – Pedestrian Crossing

Council identified during pre-lodgement discussions that a pedestrian crossing on Anzac Avenue may be desirable to improve pedestrian access to the bowls club and library on the opposite side of the road.

For safety reasons, any pedestrian crossing should be located mid-block and away from the Margherita Close intersection. The crossing location should also consider lighting, sight distance, street trees, and driver visibility. Given the width of the Anzac Avenue road reserve and carriageway, a pedestrian refuge may be an appropriate alternative to a formal crossing, allowing pedestrians to cross one traffic lane at a time. Any refuge island would need to be appropriately illuminated and designed in accordance with relevant standards.

3.3 Car Parking

The on-site car parking shown in the development plans complies with the requirements of AS2890.1 – Off-street parking. On-street parking is not proposed with this development.

3.4 Design Vehicle

The proposed development can accommodate vehicles up to the B99 vehicle in a similar arrangement to the existing lifestyle resort. Refuse collection will be under the same arrangement as the existing resort. Larger vehicles can access the site but will need to command the full 6m access width and turning manoeuvres accommodated within the internal intersection.

4. Wastewater Disposal

It is proposed to extend the internal sewer network of the existing lifestyle resort to service the proposed development. The proposed layout and connection location is shown in Appendix B.

The expected wastewater generation from the development is tabulated below.

Design Criteria	
Lots less than 400m^2	19
Generation per Lot	2.5 EP
EP - Equivalent Population	47.5
EDC - Equivalent Domestic Connections	17
Generation per Equivalent Person	270 L/day
ADWF - Average Dry Weather Flow	0.148 L/s
Peaking Factor C_2	3.13
PDWF – Peak Dry Weather Flow	0.465 L/s
Peaking Factor C_1	8.13
PWWF – Peak Dry Weather Flow	1.207 L/s

Table 1 - Development Sewage Generation

Figure 10- Proposed internal sewer layout

5. Potable and Firefighting Water

It is proposed to connect to the municipal water network to service the proposed development. The proposed layout and connection location is shown in Appendix B.

The expected water demand from the development is tabulated below.

Design Criteria	
Lots less than 400m²	19
Generation per Lot	2.5 EP
EP - Equivalent Population	47.5
EDC - Equivalent Domestic Connections	17
Demand per Equivalent Person	500 L/day
AD – Average Daily Demand	23.75 kL/day
MDMM – Mean Day Maximum Month Demand	35.63 kL/day
PD – Peak Day Demand	53.48 kL/day
PH – Peak Hour Demand	1.24 L/s
FF – Fire Flow	15 L/s

Table 2 - Development Water Demand

It is anticipated that sufficient network pressure is available in the network during fire flow conditions.

Figure 11- Proposed water layout

6. Stormwater

For developments in Queensland, the State Planning Policy applies for stormwater quality management or new or expanded non-tidal artificial waterways if any of the following criteria are met;

Criteria	Applies to this development
Material change of use for urban purposes that involves a land area greater than 2500m2 that will result in an impervious area greater than 25% of the net developable area.	No
Material change of use for urban purposes that involves a land area greater than 2500m2 that will result in six or more dwellings	Yes
Reconfiguring a lot for urban purposes that involves a land area greater than 2500m2 and will result in six or more lots	Yes
Operational works for urban purposes that involve disturbing more than 2500m2 of land	Yes

Table 3 – State Planning Policy Assessment Criteria

The state planning policy applies to this development; therefore, Appendix D includes a Site Based Stormwater Management Plan for further assessment of the water quality objectives.

7. Electricity and Telecommunication

Electricity supply and road lighting infrastructure is located near to the site. Power and communications will be provided as required by the respective authorities to service the development.

Intent to Supply offers from electrical and telecommunication providers will be provided to Council during the future project phases.

8. Summary

Based on the assessments and information presented in this Engineering Services Assessment, the proposed development can be serviced in accordance with relevant statutory requirements, Council requirements, and accepted engineering practice, subject to detailed design.

The following conclusions are provided:

Site Grading and Earthworks

The proposed development can be graded to provide suitable access, drainage, flood immunity, and service connections without requiring extensive earthworks. Detailed earthworks design should be undertaken in accordance with the FNQROC Development Manual and relevant Australian Standards.

Traffic and Access

Safe access to the development can be achieved via Margherita Close, with the proposed access located approximately 80 metres from Anzac Avenue. The revised traffic assessment, including the 2025 Council traffic counts, indicates that the Margherita Close / Anzac Avenue intersection is likely to warrant a CHR(S) treatment for right-turning traffic under the adopted design scenario. The final form of any intersection treatment, pedestrian crossing, or refuge should be confirmed through detailed design in consultation with Council.

Internal Access and Parking

The internal access arrangement can accommodate B99 vehicles and service vehicles consistent with the existing lifestyle resort operation. On-site parking is provided within the development, and on-street parking is not proposed.

Wastewater Disposal

The development can be serviced by extending the internal gravity sewer network from the existing resort. The anticipated wastewater generation is modest and can be accommodated through detailed sewer design.

Potable and Firefighting Water

The development can be serviced by connection to the municipal water network through the existing resort and Margherita Close frontage. Available network pressure is expected to be adequate, subject to detailed hydraulic design and confirmation of firefighting requirements.

Stormwater Management

The State Planning Policy applies to the development for stormwater quality management. A Site Based Stormwater Management Plan is included in Appendix D and addresses stormwater quality requirements.

Electricity and Telecommunications

Electricity and telecommunications infrastructure is available near the site. Final connection arrangements will be confirmed with the relevant service authorities during future project phases.

With respect to the civil engineering constraints assessed in this report, the development is considered suitable for approval, subject to standard, relevant, and reasonable conditions.

Appendix A. Development Layout

IMPORTANT NOTE

This plan was prepared as a concept plan only and accuracy of all aspects of the plan have not been verified. All lots, areas and dimensions are approximate only, Subject to relevant studies, Survey, Engineering and Government approvals.

No reliance should be placed on the plan and RPS Australia East Pty Ltd accepts no responsibility for any loss or damage suffered howsoever arising to any person who may use or rely on this plan.

2
RP727326

1
RP737161

1
RP731680

Margherita Close

Anzac Avenue

PATH

open space

VISITOR PARKING

1 210m² 21 10
2 210m² 21 10
3 210m² 21 10
4 210m² 21 10
5 210m² 21 10
6 210m² 21 10
7 210m² 21 10
8 393m² 21 18.7

10.5

19 270m² 11 24.5
18 270m² 11 24.5
17 270m² 11 24.5
16 270m² 11 24.5
15 267m² 7.23 5.66 20.5 11.23

55.26

9 337m² 5.66 19 11 15
10 230m² 10 23
11 230m² 10 23
12 230m² 10 23

14 425m² 32.61 42.64 34.5 5.45 16.8 7.34 27.08 26.1 2.42
13 587m² 10.5 33.5 18.77 15.18 29.56 12.73 5.83

4.0m Building Setback

PRELIMINARY - FOR DISCUSSION PURPOSES ONLY

THYME LIFESTYLE RESORT - CONCEPT OPTION

Lot 9 RP737161

0 6 12 18 24 30 60

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W rpsgroup.com

A TETRA TECH COMPANY

Datum: MGA2020 Z55 | **Scale:** 1:600 @ A3 | **Date:** 21-2-2025 | **Drawing:** 388777-1

Appendix B. Engineering Masterplans

LEGEND

- PROPOSED LOTS
- PROPOSED ACCESS
- PROPOSED PATHWAY

1:500 0 5 10 15 20

Rev	Date	Revision Notes
A	22.07.25	INITIAL ISSUE

THYME LIFESTYLE RESORT Mareeba

NEON CONSULTING

THYME LIFESTYLE RESORT
LOT 9 ON RP737161
MASTERPLANS
ACCESS AND ROADWORKS

Drawn	Design	Check'd	Agcy'd	RPEQ 25102	A3 Full Size (Scale as shown)		
PAM	PAM	CJC	CJC	C.J.CAPLICK	22.07.25	021-2504-00-SK-0002	A

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1
RP737161
8 Margherita Close

1 2 3 4 5 6 7 8

19 18 17 16 15

9
RP737161

9 10 11 12 13 14

8
RP737147

2
RP727326

36 Anzac Avenue

38 Anzac Avenue

1
RP731680

HEADWALL OUTLET TO EXISTING DRAIN

EXISTING DRAIN

EXISTING HEADWALL

Margherita Close

Anzac Avenue

LEGEND

- PROPOSED LOTS
- DRAINAGE PIPE
- FIELD/KERB INLET PIT
- HEADWALL
- FALL ON LOTS
- ROAD FLOW
- EXISTING DRAIN
- EXISTING DRAINAGE PIPE
- ALLOTMENTS TO BE FILLED

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Rev	Date	Revision Notes
A	22.07.25	INITIAL ISSUE

THYME LIFESTYLE RESORT Mareeba

NEON CONSULTING

THYME LIFESTYLE RESORT
LOT 9 ON RP737161
MASTERPLANS
DRAINAGE

Drawn	Design	Check'd	Agen'd	RPEQ 25102	A3 Full Size (Scale as shown)		
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8 Margherita Close

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19 18 17 16 15

9
RP737161

9 10 11 12 13 14

8
RP737147

Margherita Close

2
RP727326

36 Anzac Avenue

CONNECTION TO 36 ANZAC AVE SEWER NETWORK

38 Anzac Avenue

1
RP731680

Anzac Avenue

LEGEND

- PROPOSED LOTS
- SEWER MAIN Ø150
- EXISTING SEWER MAIN

1:500 0 5 10 15 20

THYME LIFESTYLE RESORT Mareeba

NEON CONSULTING

Rev	Date	Revision Notes
A	22.07.25	INITIAL ISSUE

THYME LIFESTYLE RESORT
LOT 9 ON RP737161
MASTERPLANS
SEWER

Drawn	Design	Check'd	Agen'd	RPEQ 25102	A3 Full Size (Scale as shown)		
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1
RP737161
8 Margherita Close

1 2 3 4 5 6 7 8

OPTIONAL WATER METER

OPTIONAL CONNECTION TO
COUNCIL WATER NETWORK

19 18 17 16 15

9
RP737161

9 10 11 12 13 14

8
RP737147

2
RP727326

36 Anzac Avenue

OPTIONAL CONNECTION TO 36
ANZAC AVE WATER NETWORK

38 Anzac Avenue

1
RP731680

Margherita Close

Anzac Avenue

LEGEND

PROPOSED LOTS

PROPOSED WATER MAIN

W EXISTING WATER MAIN

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Rev	Date	Revision Notes
A	22.07.25	INITIAL ISSUE

THYME LIFESTYLE RESORT Mareeba

NEON CONSULTING

THYME LIFESTYLE RESORT
LOT 9 ON RP737161
MASTERPLANS
WATER

Drawn	Design	Check'd	Apprv'd	RPEQ 25102	A3 Full Size (Scale as shown)		
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NOTES

- SIGHT DISTANCE REQUIREMENTS AT ACCESS DRIVEWAYS OBTAINED FROM AS/NZS 2890.1 SECTION 3.2.4.
- ROAD FRONT SPEED = 60km/h (POSTED ON ANZAC AVE)
- SIGHT DISTANCE REQUIRED = 65m (MINIMUM)
- VERTICAL GEOMETRY IS UNOBSTRUCTED BASED ON A SITE VISIT

1:750 0 7.5 15 22.5 30

Rev	Date	Revision Notes
A	22.07.25	INITIAL ISSUE

THYME LIFESTYLE RESORT Mareeba

NEON CONSULTING

THYME LIFESTYLE RESORT
LOT 9 ON RP737161
MASTERPLANS
ACCESS SIGHT ASSESSMENT

Drawn	Design	Check'd	Apprv'd	RPEQ: 23102	A3 Full Size (Scale as shown)	
PAM	PAM	CJC	CJC	C.J.CAPLICK	22.07.25	021-2504-00-SK-0011 A

22/07/2025 3:04:18 PMFile: I:\021\021-2504\10 Drawings\00 Masterplanning\021-2504-00-SK-0011_Sight Check.dwg

Appendix C. Traffic Count

Anzac Av - TC Location Ch 1750

Mareeba SHIRE COUNCIL

N

Map Grid of Australia Zone 55 (GDA94)

MetroCount Traffic Executive
Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-692 -- English (ENA)

Datasets:

Site:	**[Anzac Av] Intersection Herberton St @ Ch 1750 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:16 Friday, 1 October 2021 => 11:24 Wednesday, 13 October 2021,
Zone:	
File:	Anzac Av 0 2021-10-13 1125.EC0 (Plus)
Identifier:	FN47XFS5 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:17 Friday, 1 October 2021 => 11:24 Wednesday, 13 October 2021 (11.9638)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 41331 / 41356 (99.94%)

Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-692
Site: Anzac Av.0.1NS
Description: **Intersection Herberton St @ Ch 1750 <60>**
Filter time: **12:17 Friday, 1 October 2021 => 11:24 Wednesday, 13 October 2021**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages 1 - 5	Averages 1 - 7
Hour									
0000-0100	11.0	6.5	9.0	11.0	12.0	26.5	21.5	9.5	14.3
0100-0200	10.0	5.0	7.5	10.0	13.0	13.5	15.0	8.5	10.4
0200-0300	6.0	6.0	4.0	2.0	4.0	10.0	5.0	4.8	5.7
0300-0400	6.5	10.5	4.5	6.0	7.0	10.0	6.5	7.0	7.4
0400-0500	17.0	17.0	17.0	17.0	17.0	15.0	15.5	17.0	16.4
0500-0600	51.5	71.5	71.5	68.0	68.0	33.5	22.5	65.6	53.1
0600-0700	122.0	186.0	177.5	193.0	182.0	82.0	48.5	168.3	133.9
0700-0800	185.5	321.0	309.0	301.0	278.0	134.5	67.5	276.3	217.8
0800-0900	**251.0**	**381.0**	**360.0**	**359.0**	**376.0**	220.0	152.5	**339.9**	**288.7**
0900-1000	243.5	257.0	239.0	254.0	230.0	**312.5**	244.0	245.4	256.3
1000-1100	243.5	223.0	182.0	198.0	234.0	303.0	246.0	216.1	235.6
1100-1200	223.5	245.0	115.5	186.0	266.0	260.5	**248.0**	202.5	219.8
1200-1300	216.5	243.5	243.0	231.0	234.5	**258.5**	**246.5**	232.9	239.4
1300-1400	224.0	234.0	260.0	243.0	284.5	238.5	241.0	248.5	245.6
1400-1500	214.0	275.0	212.0	239.0	291.5	221.5	215.0	251.5	240.4
1500-1600	256.0	322.0	306.0	268.0	**348.5**	205.0	226.5	303.4	274.2
1600-1700	**261.0**	**340.0**	**338.0**	**385.0**	342.5	202.0	209.5	**326.3**	**286.1**
1700-1800	240.0	322.0	317.0	309.0	308.5	181.5	187.0	295.9	258.7
1800-1900	141.0	175.0	172.0	185.0	199.5	153.0	135.5	173.5	163.8
1900-2000	81.5	104.5	105.0	121.0	143.5	106.0	81.5	110.6	105.0
2000-2100	52.5	66.5	56.0	79.0	84.5	71.0	60.5	67.8	67.1
2100-2200	37.0	45.5	45.0	68.0	64.0	53.5	41.5	50.8	49.7
2200-2300	18.5	23.5	22.0	31.0	47.5	62.0	33.5	29.0	35.3
2300-2400	7.5	15.0	11.0	9.0	33.5	38.0	14.5	16.5	19.8
Totals									
0700-1900	2699.5	3338.5	3053.5	3158.0	3393.5	2690.5	2419.0	3112.0	2926.3
0600-2200	2992.5	3741.0	3437.0	3619.0	3867.5	3003.0	2651.0	3509.4	3281.9
0600-0000	3018.5	3779.5	3470.0	3659.0	3948.5	3103.0	2699.0	3554.9	3336.9
0000-0000	3120.5	3896.0	3583.5	3773.0	4069.5	3211.5	2785.0	3667.3	3444.2
AM Peak	0800	0800	0800	0800	0800	0900	1100		
	251.0	381.0	360.0	359.0	376.0	312.5	248.0		
PM Peak	1600	1600	1600	1600	1500	1200	1200		
	261.0	340.0	338.0	385.0	348.5	258.5	246.5		

*** - No data.**

MetroCount Traffic Executive
Class Speed Matrix

ClassMatrix-691 -- English (ENA)

Datasets:

Site:	**[Anzac Av] Intersection Herberton St @ Ch 1750 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:16 Friday, 1 October 2021 => 11:24 Wednesday, 13 October 2021,
Zone:	
File:	Anzac Av 0 2021-10-13 1125.EC0 (Plus)
Identifier:	FN47XFS5 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:17 Friday, 1 October 2021 => 11:24 Wednesday, 13 October 2021 (11.9638)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 41331 / 41356 (99.94%)

Class Speed Matrix

ClassMatrix-691
Site: Anzac Av.0.1NS
Description: **Intersection Herberton St @ Ch 1750 <60>**
Filter time: **12:17 Friday, 1 October 2021 => 11:24 Wednesday, 13 October 2021**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Class													
	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	Total	
km/h	1	2	3	4	5	6	7	8	9	10	11	12		
10- 20	21	.	2	1	.	1	.	.	.	.	.	.	25	0.1%
20- 30	280	6	21	2	2	.	2	1	.	.	.	.	314	0.8%
30- 40	1133	37	173	12	1	7	11	4	8	8	.	.	1394	3.4%
40- 50	13425	311	1438	45	10	40	54	3	42	38	.	1	15407	37.3%
50- 60	17476	241	2922	7	1	59	37	1	9	2	.	.	20755	50.2%
60- 70	2430	14	800	2	.	8	8	.	.	.	.	.	3262	7.9%
70- 80	93	1	63	.	.	.	.	.	.	.	.	.	157	0.4%
80- 90	5	.	6	.	.	.	.	.	.	.	.	.	11	0.0%
90-100	.	.	4	.	.	.	.	.	.	.	.	.	4	0.0%
100-110	1	.	1	.	.	.	.	.	.	.	.	.	2	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
150-160	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	34864	610	5430	69	14	115	112	9	59	48	0	1	41331	
	84.4%	1.5%	13.1%	0.2%	0.0%	0.3%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%		
ESA	0.0	0.0	10860.0	138.0	28.0	345.0	336.0	27.0	177.0	192.0	0.0	7.0	12110.0	
Raw axle	69728	2007	10860	207	56	345	448	45	356	337	0	7	84396	
Single	69456	1656	10860	69	5	345	228	13	104	47	0	7	82790	
T steer	6	0	0	1	9	0	0	0	0	1	0	0	17	
Double	197	171	16	68	9	0	110	16	102	144	0	0	833	
Triple	4	3	0	0	5	0	0	0	13	0	0	0	25	
Quad+	0	0	0	0	0	0	0	0	2	0	0	0	2	

Total vehicles = 41331, Total heavies = 5857 (14.17%), Average ESA per heavy = 2.07
Twinsteers = 0.29% of heavies, 0.04% of total.

Anzac Av TC Location Ch 380

Mareeba SHIRE COUNCIL

N

Map Grid of Australia Zone 55 (GDA94)

MetroCount Traffic Executive
Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-689 -- English (ENA)

Datasets:

Site:	**[Anzac Av] Intersection Herberton St @ Ch 380 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:27 Friday, 1 October 2021 => 11:31 Wednesday, 13 October 2021,
Zone:	
File:	Anzac Av 0 2021-10-13 1131.EC0 (Plus)
Identifier:	MB298NCE MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:28 Friday, 1 October 2021 => 11:31 Wednesday, 13 October 2021 (11.9607)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 77601 / 77617 (99.98%)

Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-689
Site: Anzac Av.0.1NS
Description: **Intersection Herberton St @ Ch 380 <60>**
Filter time: **12:28 Friday, 1 October 2021 => 11:31 Wednesday, 13 October 2021**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages 1 - 5	Averages 1 - 7
Hour									
0000-0100	16.5	9.0	10.5	12.0	19.0	36.0	27.5	12.9	19.2
0100-0200	10.5	5.5	7.0	13.0	16.0	27.0	17.0	9.4	13.6
0200-0300	8.0	8.0	6.5	5.0	9.0	12.0	7.0	7.4	8.1
0300-0400	13.5	13.5	8.5	11.0	16.0	12.5	10.5	12.3	12.0
0400-0500	27.0	28.5	23.5	28.0	30.0	24.0	11.5	27.0	23.9
0500-0600	83.5	112.5	122.0	114.0	107.0	49.5	34.0	107.1	85.3
0600-0700	193.0	284.5	283.0	308.0	256.0	126.5	86.5	260.6	209.3
0700-0800	315.5	520.0	524.0	494.0	474.0	225.0	140.0	460.9	368.1
0800-0900	**512.5**	**756.0**	**702.5**	**725.0**	**772.0**	389.5	276.5	**679.9**	**564.3**
0900-1000	464.5	503.0	488.0	464.0	459.0	**551.0**	490.0	479.3	493.0
1000-1100	492.5	478.5	470.5	439.0	543.0	550.0	455.0	483.1	489.6
1100-1200	434.5	481.0	225.0	439.0	517.0	529.5	**508.5**	404.6	442.8
1200-1300	440.0	487.5	487.0	467.0	395.0	**448.0**	**431.0**	449.9	446.4
1300-1400	391.0	439.5	511.0	447.0	527.5	388.0	362.5	459.3	431.3
1400-1500	401.5	490.0	488.0	502.0	570.5	354.0	343.5	489.3	442.4
1500-1600	**503.0**	629.0	**653.0**	600.0	**653.0**	331.0	355.5	602.9	516.3
1600-1700	496.0	663.0	628.0	**712.0**	625.0	343.0	387.5	613.5	**530.8**
1700-1800	502.5	**674.0**	648.0	664.0	626.0	349.5	338.0	**614.6**	524.3
1800-1900	297.0	374.0	386.0	445.0	432.5	308.5	261.0	379.8	348.1
1900-2000	183.5	199.5	223.0	254.0	251.0	183.0	145.0	218.1	200.1
2000-2100	89.5	124.0	126.0	133.0	164.0	130.5	121.0	126.8	126.4
2100-2200	54.0	69.5	71.0	113.0	122.5	108.0	82.0	84.5	88.0
2200-2300	30.0	34.5	31.0	41.0	76.0	87.5	55.0	44.1	53.2
2300-2400	15.0	15.0	24.0	18.0	50.0	57.0	25.0	25.3	30.5
Totals									
0700-1900	5250.5	6495.5	6211.0	6398.0	6594.5	4767.0	4349.0	6116.9	5597.2
0600-2200	5770.5	7173.0	6914.0	7206.0	7388.0	5315.0	4783.5	6806.9	6221.0
0600-0000	5815.5	7222.5	6969.0	7265.0	7514.0	5459.5	4863.5	6876.3	6304.7
0000-0000	5974.5	7399.5	7147.0	7448.0	7711.0	5620.5	4971.0	7052.3	6466.7
AM Peak	0800	0800	0800	0800	0800	0900	1100		
	512.5	756.0	702.5	725.0	772.0	551.0	508.5		
PM Peak	1500	1700	1500	1600	1500	1200	1200		
	503.0	674.0	653.0	712.0	653.0	448.0	431.0		

*** - No data.**

MetroCount Traffic Executive
Class Speed Matrix

ClassMatrix-690 -- English (ENA)

Datasets:

Site:	**[Anzac Av] Intersection Herberton St @ Ch 380 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:27 Friday, 1 October 2021 => 11:31 Wednesday, 13 October 2021,
Zone:	
File:	Anzac Av 0 2021-10-13 1131.EC0 (Plus)
Identifier:	MB298NCE MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:28 Friday, 1 October 2021 => 11:31 Wednesday, 13 October 2021 (11.9607)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 77601 / 77617 (99.98%)

Class Speed Matrix

ClassMatrix-690
Site: Anzac Av.0.1NS
Description: **Intersection Herberton St @ Ch 380 <60>**
Filter time: **12:28 Friday, 1 October 2021 => 11:31 Wednesday, 13 October 2021**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Class													
	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	Total	
km/h	1	2	3	4	5	6	7	8	9	10	11	12		
10- 20	24	1	5	.	1	.	.	.	.	.	.	.	31	0.0%
20- 30	135	3	7	5	.	.	.	.	.	1	.	.	151	0.2%
30- 40	1093	34	42	4	4	2	6	.	1	1	1	.	1188	1.5%
40- 50	22043	490	961	42	14	22	39	2	31	11	1	.	23656	30.5%
50- 60	45092	642	2747	26	8	68	56	2	31	45	3	1	48721	62.8%
60- 70	3373	34	351	2	1	11	3	.	2	.	.	.	3777	4.9%
70- 80	69	.	6	.	.	.	.	.	.	.	.	.	75	0.1%
80- 90	2	.	.	.	.	.	.	.	.	.	.	.	2	0.0%
90-100	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
100-110	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
150-160	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	71831	1204	4119	79	28	103	104	4	65	58	5	1	77601	
	92.6%	1.6%	5.3%	0.1%	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%		
ESA	0.0	0.0	8238.0	158.0	56.0	309.0	312.0	12.0	195.0	232.0	25.0	7.0	9544.0	
Raw axle	143662	4023	8238	237	113	309	416	20	390	412	40	7	157867	
Single	142442	3205	8238	79	3	309	214	6	126	57	16	7	154702	
T steer	22	0	0	1	25	0	0	0	1	2	0	0	51	
Double	871	403	22	78	24	0	101	7	104	169	12	0	1791	
Triple	16	4	2	0	4	0	0	0	18	3	0	0	47	
Quad+	0	0	0	0	0	0	0	0	0	1	0	0	1	

Total vehicles = 77601, Total heavies = 4566 (5.88%), Average ESA per heavy = 2.09
Twinsteers = 1.12% of heavies, 0.07% of total.

Anzac Av - TC Location Ch 665

Mareeba SHIRE COUNCIL

N

Map Grid of Australia Zone 55 (GDA94)

MetroCount Traffic Executive
Class Speed Matrix

ClassMatrix-1359 -- English (ENA)

Datasets:

Site:	**[Anzac Avenue] Intersection Herberton Street Ch 665 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:47 Wednesday, 29 October 2025 => 11:27 Wednesday, 5 November 2025,
Zone:	
File:	Anzac Avenue 0 2025-11-05 1128.EC0 (Plus)
Identifier:	TC57E7YJ MC5900-X13 (c)MetroCount 09Nov16
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:48 Wednesday, 29 October 2025 => 11:27 Wednesday, 5 November 2025 (6.94419)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 53855 / 53863 (99.99%)

Class Speed Matrix

ClassMatrix-1359
Site: Anzac Avenue.0.1NS
Description: **Intersection Herberton Street Ch 665 <60>**
Filter time: **12:48 Wednesday, 29 October 2025 => 11:27 Wednesday, 5 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Class													
	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	Total	
km/h	1	2	3	4	5	6	7	8	9	10	11	12		
10- 20	23	.	1	.	.	.	.	.	.	.	.	.	24	0.0%
20- 30	84	.	4	1	1	.	.	.	.	.	.	.	90	0.2%
30- 40	497	10	28	.	.	2	3	.	.	.	.	.	540	1.0%
40- 50	6873	93	529	40	13	8	8	2	9	2	.	1	7578	14.1%
50- 60	36606	534	3282	151	38	70	53	7	20	7	3	1	40772	75.7%
60- 70	4209	97	389	10	3	4	11	1	1	.	.	.	4725	8.8%
70- 80	97	2	16	.	.	.	.	.	.	.	.	.	115	0.2%
80- 90	7	.	.	.	.	.	.	.	.	.	.	.	7	0.0%
90-100	2	.	.	.	.	.	.	.	.	.	.	.	2	0.0%
100-110	2	.	.	.	.	.	.	.	.	.	.	.	2	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
150-160	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	48400	736	4249	202	55	84	75	10	30	9	3	2	53855	
	89.9%	1.4%	7.9%	0.4%	0.1%	0.2%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%		
ESA	0.0	0.0	8498.0	404.0	110.0	252.0	225.0	30.0	90.0	36.0	15.0	14.0	9674.0	
Raw axle	96800	2530	8498	606	222	252	300	50	180	64	23	15	109540	
Single	96132	1887	8498	202	6	252	150	14	49	11	9	13	107223	
T steer	21	0	0	0	49	0	0	0	1	0	0	0	71	
Double	527	320	16	202	49	0	75	15	38	23	7	1	1273	
Triple	17	1	2	0	5	0	0	2	15	1	0	0	43	
Quad+	0	0	0	0	1	0	0	0	2	1	0	0	4	

Total vehicles = 53855, Total heavies = 4719 (8.76%), Average ESA per heavy = 2.05
Twinsteers = 1.50% of heavies, 0.13% of total.

MetroCount Traffic Executive
Speed Statistics

SpeedStat-1360 -- English (ENA)

Datasets:

Site:	**[Anzac Avenue] Intersection Herberton Street Ch 665 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:47 Wednesday, 29 October 2025 => 11:27 Wednesday, 5 November 2025,
Zone:	
File:	Anzac Avenue 0 2025-11-05 1128.EC0 (Plus)
Identifier:	TC57E7YJ MC5900-X13 (c)MetroCount 09Nov16
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:48 Wednesday, 29 October 2025 => 11:27 Wednesday, 5 November 2025 (6.94419)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 53855 / 53863 (99.99%)

Speed Statistics

SpeedStat-1360
Site: Anzac Avenue.0.1NS
Description: **Intersection Herberton Street Ch 665 <60>**
Filter time: **12:48 Wednesday, 29 October 2025 => 11:27 Wednesday, 5 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 53855
Posted speed limit = 60 km/h, Exceeding = 4851 (9.008%), Mean Exceeding = 62.50 km/h
Maximum = 103.6 km/h, **Minimum** = 12.7 km/h, **Mean** = 54.4 km/h
85% Speed = 58.86 km/h, **95% Speed** = 61.38 km/h, **Median** = 54.72 km/h
15 km/h Pace = 47 - 62, **Number in Pace** = 48281 (89.65%)
Variance = 25.52, **Standard Deviation** = 5.05 km/h

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - **10**	0 0.000%	0 0.000%	53855 100.0%	0.00	0.00	0.00
10 - **20**	24 0.045%	24 0.045%	53831 100.0%	0.00	0.00	0.00
20 - **30**	90 0.167%	114 0.212%	53741 99.79%	0.00	0.00	0.00
30 - **40**	540 1.003%	654 1.214%	53201 98.79%	0.00	0.00	0.00
40 - **50**	7578 14.07%	8232 15.29%	45623 84.71%	0.00	0.00	0.00
50 - **60**	40772 75.71%	49004 90.99%	4851 9.008%	0.00	0.00	0.00
60 - **70**	4725 8.774%	53729 99.77%	126 0.234%	0.00	0.00	0.00
70 - **80**	115 0.214%	53844 100.0%	11 0.020%	0.00	0.00	0.00
80 - **90**	7 0.013%	53851 100.0%	4 0.007%	0.00	0.00	0.00
90 - **100**	2 0.004%	53853 100.0%	2 0.004%	0.00	0.00	0.00
100 - **110**	2 0.004%	53855 100.0%	0 0.000%	0.00	0.00	0.00
110 - **120**	0 0.000%	53855 100.0%	0 0.000%	0.00	0.00	0.00
120 - **130**	0 0.000%	53855 100.0%	0 0.000%	0.00	0.00	0.00
130 - **140**	0 0.000%	53855 100.0%	0 0.000%	0.00	0.00	0.00
140 - **150**	0 0.000%	53855 100.0%	0 0.000%	0.00	0.00	0.00
150 - **160**	0 0.000%	53855 100.0%	0 0.000%	0.00	0.00	0.00
160 - **170**	0 0.000%	53855 100.0%	0 0.000%	0.00	0.00	0.00
170 - **180**	0 0.000%	53855 100.0%	0 0.000%	0.00	0.00	0.00
180 - **190**	0 0.000%	53855 100.0%	0 0.000%	0.00	0.00	0.00
190 - **200**	0 0.000%	53855 100.0%	0 0.000%	0.00	0.00	0.00

Total Speed Rating = 0.00
Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

	Limit	Below	Above
0	60 (PSL)	49004 91.0%	4851 9.0%

MetroCount Traffic Executive
Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-1356 -- English (ENA)

Datasets:

Site:	**[Anzac Avenue] Intersection Herberton Street Ch 665 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:47 Wednesday, 29 October 2025 => 11:27 Wednesday, 5 November 2025,
Zone:	
File:	Anzac Avenue 0 2025-11-05 1128.EC0 (Plus)
Identifier:	TC57E7YJ MC5900-X13 (c)MetroCount 09Nov16
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:48 Wednesday, 29 October 2025 => 11:27 Wednesday, 5 November 2025 (6.94419)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 53855 / 53863 (99.99%)

Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-1356
Site: Anzac Avenue.0.1NS
Description: **Intersection Herberton Street Ch 665 <60>**
Filter time: **12:48 Wednesday, 29 October 2025 => 11:27 Wednesday, 5 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages 1 - 5	Averages 1 - 7
Hour									
0000-0100	6.0	14.0	16.0	10.0	21.0	20.0	28.0	13.4	16.4
0100-0200	7.0	9.0	8.0	8.0	5.0	18.0	8.0	7.4	9.0
0200-0300	3.0	5.0	5.0	9.0	3.0	17.0	10.0	5.0	7.4
0300-0400	9.0	9.0	7.0	14.0	12.0	17.0	14.0	10.2	11.7
0400-0500	47.0	43.0	42.0	38.0	44.0	20.0	12.0	42.8	35.1
0500-0600	151.0	161.0	164.0	123.0	142.0	59.0	52.0	148.2	121.7
0600-0700	404.0	393.0	403.0	371.0	386.0	173.0	103.0	391.4	319.0
0700-0800	575.0	660.0	619.0	566.0	558.0	254.0	235.0	595.6	495.3
0800-0900	**845.0**	**876.0**	**819.0**	**857.0**	**865.0**	453.0	268.0	**852.4**	**711.9**
0900-1000	614.0	579.0	554.0	604.0	634.0	**541.0**	470.0	597.0	570.9
1000-1100	574.0	562.0	555.0	594.0	595.0	531.0	421.0	576.0	547.4
1100-1200	621.0	554.0	27.0	582.0	594.0	528.0	**483.0**	475.6	484.1
1200-1300	618.0	575.0	29.0	516.0	617.0	**495.0**	**448.0**	471.0	471.1
1300-1400	539.0	477.0	497.0	554.0	631.0	351.0	373.0	539.6	488.9
1400-1500	592.0	574.0	625.0	592.0	666.0	345.0	397.0	609.8	541.6
1500-1600	**789.0**	731.0	719.0	758.0	**821.0**	390.0	358.0	763.6	652.3
1600-1700	740.0	**776.0**	**838.0**	**820.0**	730.0	322.0	360.0	**780.8**	**655.1**
1700-1800	691.0	730.0	667.0	681.0	674.0	378.0	337.0	688.6	594.0
1800-1900	361.0	380.0	430.0	438.0	566.0	361.0	244.0	435.0	397.1
1900-2000	202.0	205.0	241.0	240.0	408.0	205.0	169.0	259.2	238.6
2000-2100	118.0	152.0	163.0	154.0	210.0	141.0	138.0	159.4	153.7
2100-2200	105.0	96.0	88.0	82.0	103.0	135.0	78.0	94.8	98.1
2200-2300	29.0	32.0	27.0	30.0	90.0	101.0	23.0	41.6	47.4
2300-2400	9.0	21.0	16.0	17.0	43.0	57.0	16.0	21.2	25.6
Totals									
0700-1900	7559.0	7474.0	6379.0	7562.0	7951.0	4949.0	4394.0	7385.0	6609.7
0600-2200	8388.0	8320.0	7274.0	8409.0	9058.0	5603.0	4882.0	8289.8	7419.1
0600-0000	8426.0	8373.0	7317.0	8456.0	9191.0	5761.0	4921.0	8352.6	7492.1
0000-0000	8649.0	8614.0	7559.0	8658.0	9418.0	5912.0	5045.0	8579.6	7693.6
AM Peak	0800	0800	0800	0800	0800	0900	1100		
	845.0	876.0	819.0	857.0	865.0	541.0	483.0		
PM Peak	1500	1600	1600	1600	1500	1200	1200		
	789.0	776.0	838.0	820.0	821.0	495.0	448.0		

*** - No data.**

Anzac Av - TC Location Ch 825

Mareeba SHIRE COUNCIL

N

Map Grid of Australia Zone 55 (GDA94)

MetroCount Traffic Executive
Class Speed Matrix

ClassMatrix-1378 -- English (ENA)

Datasets:

Site:	**[Anzac Avenue] !Intersection Herberton Street @ Ch 825 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:07 Wednesday, 29 October 2025 => 11:28 Wednesday, 5 November 2025,
Zone:	
File:	Anzac Avenue 0 2025-11-05 1520.EC0 (Plus)
Identifier:	CS916NHM MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:08 Wednesday, 29 October 2025 => 11:28 Wednesday, 5 November 2025 (6.9728)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 53773 / 53781 (99.99%)

Class Speed Matrix

ClassMatrix-1378
Site: Anzac Avenue.0.1NS
Description: **!Intersection Herberton Street @ Ch 825 <60>**
Filter time: **12:08 Wednesday, 29 October 2025 => 11:28 Wednesday, 5 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Class													
	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	Total	
km/h	1	2	3	4	5	6	7	8	9	10	11	12		
10- 20	14	.	.	.	1	.	.	.	.	.	.	.	15	0.0%
20- 30	48	4	1	1	.	.	1	.	.	.	.	.	55	0.1%
30- 40	309	6	16	2	.	.	1	.	3	.	.	.	337	0.6%
40- 50	6834	111	361	24	13	8	6	2	4	.	1	.	7364	13.7%
50- 60	39122	590	2641	170	36	58	44	5	25	8	1	.	42700	79.4%
60- 70	2824	81	261	14	3	3	8	.	1	.	1	.	3196	5.9%
70- 80	76	2	14	.	.	.	.	.	.	.	.	.	92	0.2%
80- 90	7	.	1	.	.	.	.	.	.	.	.	.	8	0.0%
90-100	4	.	.	.	.	.	.	.	.	.	.	.	4	0.0%
100-110	1	.	.	.	.	.	.	.	.	.	.	.	1	0.0%
110-120	1	.	.	.	.	.	.	.	.	.	.	.	1	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
150-160	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	**49240**	**794**	**3295**	**211**	**53**	**69**	**60**	**7**	**33**	**8**	**3**	**0**	53773	
	91.6%	**1.5%**	**6.1%**	**0.4%**	**0.1%**	**0.1%**	**0.1%**	**0.0%**	**0.1%**	**0.0%**	**0.0%**	**0.0%**		
ESA	0.0	0.0	**6590.0**	**422.0**	**106.0**	**207.0**	**180.0**	**21.0**	**99.0**	**32.0**	**15.0**	**0.0**	7672.0	
Raw axle	98480	2728	**6590**	**633**	**212**	**207**	**240**	**35**	**198**	**56**	**23**	**0**	109402	
Single	97860	2041	**6590**	**211**	**2**	**207**	**120**	**8**	**59**	**8**	**9**	**0**	107115	
T steer	17	0	**0**	**1**	**51**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	69	
Double	533	336	**26**	**210**	**51**	**0**	**60**	**12**	**44**	**24**	**4**	**0**	1300	
Triple	10	5	**4**	**0**	**2**	**0**	**0**	**1**	**17**	**0**	**2**	**0**	41	
Quad+	0	0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0	

Total vehicles = 53773, Total heavies = 3739 (6.95%), Average ESA per heavy = 2.05
Twinsteers = 1.85% of heavies, 0.13% of total.

MetroCount Traffic Executive
Speed Statistics

SpeedStat-1379 -- English (ENA)

Datasets:

Site:	**[Anzac Avenue] !Intersection Herberton Street @ Ch 825 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:07 Wednesday, 29 October 2025 => 11:28 Wednesday, 5 November 2025,
Zone:	
File:	Anzac Avenue 0 2025-11-05 1520.EC0 (Plus)
Identifier:	CS916NHM MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:08 Wednesday, 29 October 2025 => 11:28 Wednesday, 5 November 2025 (6.9728)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 53773 / 53781 (99.99%)

Speed Statistics

SpeedStat-1379
Site: Anzac Avenue.0.1NS
Description: **!Intersection Herberton Street @ Ch 825 <60>**
Filter time: **12:08 Wednesday, 29 October 2025 => 11:28 Wednesday, 5 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 53773
Posted speed limit = 60 km/h, Exceeding = 3302 (6.141%), Mean Exceeding = 62.49 km/h
Maximum = 111.0 km/h, **Minimum** = 11.1 km/h, **Mean** = 54.2 km/h
85% Speed = 58.14 km/h, **95% Speed** = 60.48 km/h, **Median** = 54.54 km/h
15 km/h Pace = 46 - 61, **Number in Pace** = 49561 (92.17%)
Variance = 20.63, **Standard Deviation** = 4.54 km/h

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - **10**	0 0.000%	0 0.000%	53773 100.0%	0.00	0.00	0.00
10 - **20**	15 0.028%	15 0.028%	53758 100.0%	0.00	0.00	0.00
20 - **30**	55 0.102%	70 0.130%	53703 99.87%	0.00	0.00	0.00
30 - **40**	337 0.627%	407 0.757%	53366 99.24%	0.00	0.00	0.00
40 - **50**	7364 13.69%	7771 14.45%	46002 85.55%	0.00	0.00	0.00
50 - **60**	42700 79.41%	50471 93.86%	3302 6.141%	0.00	0.00	0.00
60 - **70**	3196 5.944%	53667 99.80%	106 0.197%	0.00	0.00	0.00
70 - **80**	92 0.171%	53759 100.0%	14 0.026%	0.00	0.00	0.00
80 - **90**	8 0.015%	53767 100.0%	6 0.011%	0.00	0.00	0.00
90 - **100**	4 0.007%	53771 100.0%	2 0.004%	0.00	0.00	0.00
100 - **110**	1 0.002%	53772 100.0%	1 0.002%	0.00	0.00	0.00
110 - **120**	1 0.002%	53773 100.0%	0 0.000%	0.00	0.00	0.00
120 - **130**	0 0.000%	53773 100.0%	0 0.000%	0.00	0.00	0.00
130 - **140**	0 0.000%	53773 100.0%	0 0.000%	0.00	0.00	0.00
140 - **150**	0 0.000%	53773 100.0%	0 0.000%	0.00	0.00	0.00
150 - **160**	0 0.000%	53773 100.0%	0 0.000%	0.00	0.00	0.00
160 - **170**	0 0.000%	53773 100.0%	0 0.000%	0.00	0.00	0.00
170 - **180**	0 0.000%	53773 100.0%	0 0.000%	0.00	0.00	0.00
180 - **190**	0 0.000%	53773 100.0%	0 0.000%	0.00	0.00	0.00
190 - **200**	0 0.000%	53773 100.0%	0 0.000%	0.00	0.00	0.00

Total Speed Rating = 0.00
Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

	Limit	Below	Above
0	60 (PSL)	50471 93.9%	3302 6.1%

MetroCount Traffic Executive
Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-1375 -- English (ENA)

Datasets:

Site:	**[Anzac Avenue] !Intersection Herberton Street @ Ch 825 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:07 Wednesday, 29 October 2025 => 11:28 Wednesday, 5 November 2025,
Zone:	
File:	Anzac Avenue 0 2025-11-05 1520.EC0 (Plus)
Identifier:	CS916NHM MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:08 Wednesday, 29 October 2025 => 11:28 Wednesday, 5 November 2025 (6.9728)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 53773 / 53781 (99.99%)

Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-1375
Site: Anzac Avenue.0.1NS
Description: **!Intersection Herberton Street @ Ch 825 <60>**
Filter time: **12:08 Wednesday, 29 October 2025 => 11:28 Wednesday, 5 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages 1 - 5	Averages 1 - 7
Hour									
0000-0100	4.0	13.0	17.0	10.0	21.0	19.0	28.0	13.0	16.0
0100-0200	7.0	10.0	9.0	8.0	4.0	18.0	6.0	7.6	8.9
0200-0300	3.0	4.0	4.0	8.0	3.0	17.0	12.0	4.4	7.3
0300-0400	9.0	9.0	7.0	14.0	12.0	18.0	14.0	10.2	11.9
0400-0500	47.0	41.0	40.0	38.0	44.0	23.0	14.0	42.0	35.3
0500-0600	148.0	162.0	163.0	119.0	145.0	60.0	53.0	147.4	121.4
0600-0700	401.0	393.0	403.0	370.0	388.0	166.0	103.0	391.0	317.7
0700-0800	562.0	648.0	614.0	560.0	543.0	255.0	227.0	585.4	487.0
0800-0900	**828.0**	**863.0**	**809.0**	**839.0**	**867.0**	438.0	263.0	**841.2**	**701.0**
0900-1000	600.0	573.0	546.0	592.0	630.0	526.0	465.0	588.2	561.7
1000-1100	572.0	562.0	539.0	594.0	579.0	**534.0**	413.0	569.2	541.9
1100-1200	621.0	548.0	122.0	573.0	594.0	529.0	**475.0**	491.6	494.6
1200-1300	608.0	569.0	398.0	514.0	606.0	**490.0**	**446.0**	539.0	518.7
1300-1400	525.0	464.0	491.0	543.0	622.0	355.0	368.0	529.0	481.1
1400-1500	581.0	555.0	625.0	592.0	660.0	345.0	394.0	602.6	536.0
1500-1600	**782.0**	724.0	719.0	749.0	**823.0**	392.0	361.0	759.4	650.0
1600-1700	743.0	**757.0**	**838.0**	**813.0**	726.0	330.0	357.0	**775.4**	**652.0**
1700-1800	691.0	720.0	669.0	675.0	663.0	384.0	335.0	683.6	591.0
1800-1900	354.0	375.0	423.0	430.0	563.0	354.0	246.0	429.0	392.1
1900-2000	201.0	203.0	239.0	236.0	402.0	199.0	165.0	256.2	235.0
2000-2100	116.0	146.0	166.0	156.0	206.0	139.0	138.0	158.0	152.4
2100-2200	102.0	94.0	86.0	81.0	101.0	127.0	78.0	92.8	95.6
2200-2300	29.0	32.0	24.0	31.0	90.0	101.0	23.0	41.2	47.1
2300-2400	9.0	23.0	16.0	17.0	43.0	59.0	16.0	21.6	26.1
Totals									
0700-1900	7467.0	7358.0	6793.0	7474.0	7876.0	4932.0	4350.0	7393.6	6607.1
0600-2200	8287.0	8194.0	7687.0	8317.0	8973.0	5563.0	4834.0	8291.6	7407.9
0600-0000	8325.0	8249.0	7727.0	8365.0	9106.0	5723.0	4873.0	8354.4	7481.1
0000-0000	8543.0	8488.0	7967.0	8562.0	9335.0	5878.0	5000.0	8579.0	7681.9
AM Peak	0800	0800	0800	0800	0800	1000	1100		
	828.0	863.0	809.0	839.0	867.0	534.0	475.0		
PM Peak	1500	1600	1600	1600	1500	1200	1200		
	782.0	757.0	838.0	813.0	823.0	490.0	446.0		

*** - No data.**

Anzac Av - TC Location Ch 1030

Mareeba SHIRE COUNCIL

N

Map Grid of Australia Zone 55 (GDA94)

MetroCount Traffic Executive
Class Speed Matrix

ClassMatrix-1371 -- English (ENA)

Datasets:

Site:	**[Anzac Avenue] Intersection Herberton Street @ Ch 1030 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:20 Wednesday, 29 October 2025 => 11:34 Wednesday, 5 November 2025,
Zone:	
File:	Anzac Avenue 0 2025-11-05 1134.EC0 (Plus)
Identifier:	A17CFGZQ MC5900-X13 (c)MetroCount 09Nov16
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:21 Wednesday, 29 October 2025 => 11:34 Wednesday, 5 November 2025 (6.96742)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 53579 / 53587 (99.99%)

Class Speed Matrix

ClassMatrix-1371
Site: Anzac Avenue.0.1NS
Description: **Intersection Herberton Street @ Ch 1030 <60>**
Filter time: **12:21 Wednesday, 29 October 2025 => 11:34 Wednesday, 5 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Class													
	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	Total	
km/h	1	2	3	4	5	6	7	8	9	10	11	12		
10- 20	11	1	1	.	.	.	.	.	.	.	.	.	13	0.0%
20- 30	22	.	2	.	1	.	.	.	.	.	.	.	25	0.0%
30- 40	152	6	9	4	2	.	1	.	.	.	.	.	174	0.3%
40- 50	5948	128	428	32	5	6	14	2	12	2	1	.	6578	12.3%
50- 60	33826	468	3162	149	36	68	53	5	15	7	1	.	37790	70.5%
60- 70	7496	161	962	28	10	15	9	1	2	1	1	.	8686	16.2%
70- 80	250	3	29	.	.	1	.	.	.	.	.	.	283	0.5%
80- 90	21	1	5	.	.	.	.	.	.	.	.	.	27	0.1%
90-100	2	.	.	.	.	.	.	.	.	.	.	.	2	0.0%
100-110	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
110-120	1	.	.	.	.	.	.	.	.	.	.	.	1	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
150-160	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	47729	768	4598	213	54	90	77	8	29	10	3	0	53579	
	89.1%	1.4%	8.6%	0.4%	0.1%	0.2%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%		
ESA	0.0	0.0	9196.0	426.0	108.0	270.0	231.0	24.0	87.0	40.0	15.0	0.0	10397.0	
Raw axle	95458	2649	9196	639	217	270	308	40	174	70	26	0	109047	
Single	94822	1960	9196	213	4	270	154	13	49	11	10	0	106702	
T steer	21	0	0	1	50	0	1	0	0	0	0	0	73	
Double	529	343	22	212	50	0	76	12	41	28	5	0	1318	
Triple	11	1	1	0	3	0	0	1	13	1	2	0	33	
Quad+	0	0	0	0	1	0	0	0	1	0	0	0	2	

Total vehicles = 53579, Total heavies = 5082 (9.49%), Average ESA per heavy = 2.05
Twinsteers = 1.44% of heavies, 0.14% of total.

MetroCount Traffic Executive
Speed Statistics

SpeedStat-1372 -- English (ENA)

Datasets:

Site:	**[Anzac Avenue] Intersection Herberton Street @ Ch 1030 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:20 Wednesday, 29 October 2025 => 11:34 Wednesday, 5 November 2025,
Zone:	
File:	Anzac Avenue 0 2025-11-05 1134.EC0 (Plus)
Identifier:	A17CFGZQ MC5900-X13 (c)MetroCount 09Nov16
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:21 Wednesday, 29 October 2025 => 11:34 Wednesday, 5 November 2025 (6.96742)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 53579 / 53587 (99.99%)

Speed Statistics

SpeedStat-1372
Site: Anzac Avenue.0.1NS
Description: **Intersection Herberton Street @ Ch 1030 <60>**
Filter time: **12:21 Wednesday, 29 October 2025 => 11:34 Wednesday, 5 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 53579
Posted speed limit = 60 km/h, Exceeding = 8999 (16.80%), Mean Exceeding = 62.99 km/h
Maximum = 114.7 km/h, **Minimum** = 11.2 km/h, **Mean** = 55.6 km/h
85% Speed = 60.30 km/h, **95% Speed** = 63.54 km/h, **Median** = 55.80 km/h
15 km/h Pace = 48 - 63, **Number in Pace** = 46747 (87.25%)
Variance = 26.63, **Standard Deviation** = 5.16 km/h

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - **10**	0 0.000%	0 0.000%	53579 100.0%	0.00	0.00	0.00
10 - **20**	13 0.024%	13 0.024%	53566 100.0%	0.00	0.00	0.00
20 - **30**	25 0.047%	38 0.071%	53541 99.93%	0.00	0.00	0.00
30 - **40**	174 0.325%	212 0.396%	53367 99.60%	0.00	0.00	0.00
40 - **50**	6578 12.28%	6790 12.67%	46789 87.33%	0.00	0.00	0.00
50 - **60**	37790 70.53%	44580 83.20%	8999 16.80%	0.00	0.00	0.00
60 - **70**	8686 16.21%	53266 99.42%	313 0.584%	0.00	0.00	0.00
70 - **80**	283 0.528%	53549 99.94%	30 0.056%	0.00	0.00	0.00
80 - **90**	27 0.050%	53576 100.0%	3 0.006%	0.00	0.00	0.00
90 - **100**	2 0.004%	53578 100.0%	1 0.002%	0.00	0.00	0.00
100 - **110**	0 0.000%	53578 100.0%	1 0.002%	0.00	0.00	0.00
110 - **120**	1 0.002%	53579 100.0%	0 0.000%	0.00	0.00	0.00
120 - **130**	0 0.000%	53579 100.0%	0 0.000%	0.00	0.00	0.00
130 - **140**	0 0.000%	53579 100.0%	0 0.000%	0.00	0.00	0.00
140 - **150**	0 0.000%	53579 100.0%	0 0.000%	0.00	0.00	0.00
150 - **160**	0 0.000%	53579 100.0%	0 0.000%	0.00	0.00	0.00
160 - **170**	0 0.000%	53579 100.0%	0 0.000%	0.00	0.00	0.00
170 - **180**	0 0.000%	53579 100.0%	0 0.000%	0.00	0.00	0.00
180 - **190**	0 0.000%	53579 100.0%	0 0.000%	0.00	0.00	0.00
190 - **200**	0 0.000%	53579 100.0%	0 0.000%	0.00	0.00	0.00

Total Speed Rating = 0.00
Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

	Limit	Below	Above
0	60 (PSL)	44580 83.2%	8999 16.8%

MetroCount Traffic Executive
Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-1368 -- English (ENA)

Datasets:

Site:	**[Anzac Avenue] Intersection Herberton Street @ Ch 1030 <60>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:20 Wednesday, 29 October 2025 => 11:34 Wednesday, 5 November 2025,
Zone:	
File:	Anzac Avenue 0 2025-11-05 1134.EC0 (Plus)
Identifier:	A17CFGZQ MC5900-X13 (c)MetroCount 09Nov16
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:21 Wednesday, 29 October 2025 => 11:34 Wednesday, 5 November 2025 (6.96742)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 53579 / 53587 (99.99%)

Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-1368
Site: Anzac Avenue.0.1NS
Description: **Intersection Herberton Street @ Ch 1030 <60>**
Filter time: **12:21 Wednesday, 29 October 2025 => 11:34 Wednesday, 5 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages 1 - 5	Averages 1 - 7
Hour									
0000-0100	4.0	13.0	17.0	10.0	21.0	19.0	27.0	13.0	15.9
0100-0200	7.0	10.0	9.0	8.0	4.0	18.0	6.0	7.6	8.9
0200-0300	2.0	4.0	4.0	8.0	3.0	16.0	11.0	4.2	6.9
0300-0400	8.0	9.0	7.0	14.0	12.0	18.0	14.0	10.0	11.7
0400-0500	49.0	41.0	40.0	37.0	46.0	23.0	14.0	42.6	35.7
0500-0600	147.0	164.0	166.0	122.0	145.0	61.0	53.0	148.8	122.6
0600-0700	403.0	395.0	406.0	371.0	385.0	166.0	101.0	392.0	318.1
0700-0800	566.0	656.0	616.0	562.0	546.0	254.0	233.0	589.2	490.4
0800-0900	**827.0**	**856.0**	**806.0**	**836.0**	**871.0**	438.0	258.0	**839.2**	**698.9**
0900-1000	604.0	575.0	547.0	590.0	634.0	520.0	451.0	590.0	560.1
1000-1100	567.0	558.0	534.0	585.0	578.0	**530.0**	414.0	564.4	538.0
1100-1200	619.0	549.0	187.0	573.0	589.0	528.0	**479.0**	503.4	503.4
1200-1300	608.0	569.0	196.0	518.0	606.0	**484.0**	**441.0**	499.4	488.9
1300-1400	522.0	466.0	489.0	542.0	620.0	358.0	370.0	527.8	481.0
1400-1500	585.0	556.0	624.0	587.0	663.0	346.0	388.0	603.0	535.6
1500-1600	**788.0**	721.0	713.0	752.0	**821.0**	396.0	360.0	759.0	**650.1**
1600-1700	736.0	**759.0**	**832.0**	**812.0**	722.0	326.0	354.0	**772.2**	648.7
1700-1800	688.0	717.0	667.0	666.0	662.0	384.0	336.0	680.0	588.6
1800-1900	353.0	378.0	431.0	431.0	559.0	355.0	243.0	430.4	392.9
1900-2000	204.0	205.0	238.0	233.0	401.0	202.0	166.0	256.2	235.6
2000-2100	116.0	146.0	167.0	155.0	208.0	138.0	139.0	158.4	152.7
2100-2200	101.0	94.0	85.0	81.0	104.0	129.0	78.0	93.0	96.0
2200-2300	30.0	32.0	24.0	31.0	89.0	102.0	23.0	41.2	47.3
2300-2400	9.0	23.0	16.0	17.0	43.0	60.0	16.0	21.6	26.3
Totals									
0700-1900	7463.0	7360.0	6642.0	7454.0	7871.0	4919.0	4327.0	7358.0	6576.6
0600-2200	8287.0	8200.0	7538.0	8294.0	8969.0	5554.0	4811.0	8257.6	7379.0
0600-0000	8326.0	8255.0	7578.0	8342.0	9101.0	5716.0	4850.0	8320.4	7452.6
0000-0000	8543.0	8496.0	7821.0	8541.0	9332.0	5871.0	4975.0	8546.6	7654.1
AM Peak	0800	0800	0800	0800	0800	1000	1100		
	827.0	856.0	806.0	836.0	871.0	530.0	479.0		
PM Peak	1500	1600	1600	1600	1500	1200	1200		
	788.0	759.0	832.0	812.0	821.0	484.0	441.0		

*** - No data.**

Margherita Cl - TC Location Ch 15

Mareeba SHIRE COUNCIL

N

Map Grid of Australia Zone 55 (GDA94)

MetroCount Traffic Executive
Class Speed Matrix

ClassMatrix-1390 -- English (ENA)

Datasets:

Site:	**[Margherita Close] Intersection Anzac Avenue Ch 15 <50>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:34 Wednesday, 5 November 2025 => 10:02 Wednesday, 12 November 2025,
Zone:	
File:	Margherita Close 0 2025-11-12 1002.EC0 (Plus)
Identifier:	TC57E7YJ MC5900-X13 (c)MetroCount 09Nov16
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:35 Wednesday, 5 November 2025 => 10:02 Wednesday, 12 November 2025 (6.8941)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 590 / 616 (95.78%)

Class Speed Matrix

ClassMatrix-1390
Site: Margherita Close.0.1NS
Description: **Intersection Anzac Avenue Ch 15 <50>**
Filter time: **12:35 Wednesday, 5 November 2025 => 10:02 Wednesday, 12 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Class													
	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	Total	
km/h	1	2	3	4	5	6	7	8	9	10	11	12		
10- 20	238	.	8	2	.	.	.	.	.	.	.	.	248	42.0%
20- 30	303	5	17	3	.	.	.	.	.	.	.	.	328	55.6%
30- 40	13	.	1	.	.	.	.	.	.	.	.	.	14	2.4%
40- 50	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
50- 60	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
60- 70	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
70- 80	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
80- 90	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
90-100	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
100-110	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
110-120	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
120-130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130-140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140-150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
150-160	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
Total	554	5	26	5	0	0	0	0	0	0	0	0	590	
	93.9%	0.8%	4.4%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
ESA	0.0	0.0	52.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.0	
Raw axle	1108	20	52	15	0	0	0	0	0	0	0	0	1195	
Single	1082	10	52	5	0	0	0	0	0	0	0	0	1149	
T steer	0	0	0	0	0	0	0	0	0	0	0	0	0	
Double	13	5	0	5	0	0	0	0	0	0	0	0	23	
Triple	0	0	0	0	0	0	0	0	0	0	0	0	0	
Quad+	0	0	0	0	0	0	0	0	0	0	0	0	0	

Total vehicles = 590, Total heavies = 31 (5.25%), Average ESA per heavy = 2.00
Twinsteers = 0.00% of heavies, 0.00% of total.

MetroCount Traffic Executive
Speed Statistics

SpeedStat-1391 -- English (ENA)

Datasets:

Site:	**[Margherita Close] Intersection Anzac Avenue Ch 15 <50>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:34 Wednesday, 5 November 2025 => 10:02 Wednesday, 12 November 2025,
Zone:	
File:	Margherita Close 0 2025-11-12 1002.EC0 (Plus)
Identifier:	TC57E7YJ MC5900-X13 (c)MetroCount 09Nov16
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:35 Wednesday, 5 November 2025 => 10:02 Wednesday, 12 November 2025 (6.8941)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 590 / 616 (95.78%)

Speed Statistics

SpeedStat-1391
Site: Margherita Close.0.1NS
Description: **Intersection Anzac Avenue Ch 15 <50>**
Filter time: **12:35 Wednesday, 5 November 2025 => 10:02 Wednesday, 12 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

Vehicles = 590
Posted speed limit = 50 km/h, Exceeding = 0 (0.000%), Mean Exceeding = 0.00 km/h
Maximum = 32.8 km/h, **Minimum** = 10.1 km/h, **Mean** = 20.7 km/h
85% Speed = 25.74 km/h, **95% Speed** = 28.34 km/h, **Median** = 21.24 km/h
15 km/h Pace = 14 - 29, **Number in Pace** = 523 (88.64%)
Variance = 22.13, **Standard Deviation** = 4.70 km/h

Speed Bins (Partial days)

Speed	Bin	Below	Above	Energy	vMult	n * vMult
0 - **10**	0 0.000%	0 0.000%	590 100.0%	0.00	0.00	0.00
10 - **20**	248 42.03%	248 42.03%	342 57.97%	0.00	0.00	0.00
20 - **30**	328 55.59%	576 97.63%	14 2.373%	0.00	0.00	0.00
30 - **40**	14 2.373%	590 100.0%	0 0.000%	0.00	0.00	0.00
40 - **50**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
50 - **60**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
60 - **70**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
70 - **80**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
80 - **90**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
90 - **100**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
100 - **110**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
110 - **120**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
120 - **130**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
130 - **140**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
140 - **150**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
150 - **160**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
160 - **170**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
170 - **180**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
180 - **190**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00
190 - **200**	0 0.000%	590 100.0%	0 0.000%	0.00	0.00	0.00

Total Speed Rating = 0.00
Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

	Limit	Below	Above
0	50 (PSL)	590 100.0%	0 0.0%

MetroCount Traffic Executive
Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-1387 -- English (ENA)

Datasets:

Site:	**[Margherita Close] Intersection Anzac Avenue Ch 15 <50>**
Attribute:	Mareeba
Direction:	7 - North bound A>B, South bound B>A. **Lane:** 0
Survey Duration:	12:34 Wednesday, 5 November 2025 => 10:02 Wednesday, 12 November 2025,
Zone:	
File:	Margherita Close 0 2025-11-12 1002.EC0 (Plus)
Identifier:	TC57E7YJ MC5900-X13 (c)MetroCount 09Nov16
Algorithm:	Factory default axle (v5.07)
Data type:	Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time:	**12:35 Wednesday, 5 November 2025 => 10:02 Wednesday, 12 November 2025 (6.8941)**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range:	10 - 160 km/h.
Direction:	North, East, South, West (bound), P = North, Lane = 0-16
Separation:	Headway > 0 sec, Span 0 - 100 metre
Name:	Default Profile
Scheme:	Vehicle classification (AustRoads94)
Units:	Metric (metre, kilometre, m/s, km/h, kg, tonne)
In profile:	Vehicles = 590 / 616 (95.78%)

Weekly Vehicle Counts (Virtual Week)

VirtWeeklyVehicle-1387
Site: Margherita Close.0.1NS
Description: **Intersection Anzac Avenue Ch 15 <50>**
Filter time: **12:35 Wednesday, 5 November 2025 => 10:02 Wednesday, 12 November 2025**
Scheme: Vehicle classification (AustRoads94)
Filter: Cls(1-12) Dir(NESW) Sp(10,160) Headway(>0) Span(0 - 100) Lane(0-16)

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Averages 1 - 5	Averages 1 - 7
Hour									
0000-0100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0100-0200	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.4	0.3
0200-0300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0300-0400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0400-0500	2.0	1.0	0.0	0.0	0.0	1.0	0.0	0.6	0.6
0500-0600	4.0	2.0	1.0	1.0	3.0	2.0	0.0	2.2	1.9
0600-0700	4.0	3.0	5.0	5.0	4.0	1.0	0.0	4.2	3.1
0700-0800	**10.0**	7.0	6.0	2.0	7.0	6.0	0.0	6.4	5.4
0800-0900	9.0	**17.0**	15.0	10.0	7.0	9.0	5.0	**11.6**	**10.3**
0900-1000	2.0	3.0	6.0	**10.0**	4.0	7.0	6.0	5.0	5.4
1000-1100	4.0	12.0	0.0	5.0	2.0	**11.0**	4.0	4.6	5.4
1100-1200	7.0	3.0	*	2.0	**12.0**	9.0	**7.0**	6.0	6.7
1200-1300	12.0	8.0	1.0	4.0	9.0	6.0	4.0	6.8	6.3
1300-1400	3.0	3.0	1.0	0.0	2.0	3.0	1.0	1.8	1.9
1400-1500	4.0	5.0	4.0	4.0	6.0	**8.0**	5.0	4.6	5.1
1500-1600	7.0	3.0	3.0	4.0	5.0	1.0	2.0	4.4	3.6
1600-1700	1.0	5.0	2.0	11.0	5.0	6.0	2.0	4.8	4.6
1700-1800	**15.0**	**10.0**	**9.0**	**12.0**	**14.0**	5.0	**15.0**	**12.0**	**11.4**
1800-1900	5.0	5.0	7.0	5.0	10.0	3.0	8.0	6.4	6.1
1900-2000	5.0	3.0	7.0	2.0	3.0	2.0	3.0	4.0	3.6
2000-2100	0.0	0.0	2.0	5.0	0.0	0.0	2.0	1.4	1.3
2100-2200	0.0	1.0	0.0	0.0	6.0	0.0	0.0	1.4	1.0
2200-2300	0.0	0.0	2.0	0.0	1.0	0.0	2.0	0.6	0.7
2300-2400	0.0	0.0	0.0	1.0	3.0	0.0	0.0	0.8	0.6
Totals									
0700-1900	79.0	81.0	*	69.0	83.0	74.0	59.0	74.4	72.2
0600-2200	88.0	88.0	*	81.0	96.0	77.0	64.0	85.4	81.2
0600-0000	88.0	88.0	*	82.0	100.0	77.0	66.0	86.8	82.5
0000-0000	94.0	91.0	*	85.0	103.0	80.0	66.0	90.0	85.2
AM Peak	0700	0800	*	0900	1100	1000	1100		
	10.0	17.0	*	10.0	12.0	11.0	7.0		
PM Peak	1700	1700	1700	1700	1700	1400	1700		
	15.0	10.0	9.0	12.0	14.0	8.0	15.0		

*** - No data.**

Appendix D. Site Based Stormwater Management Plan

Thyme Lifestyle Resort (Lot 9 RP737161)

Site Based Stormwater Management Plan

021-2504-R-002| Revision B

13 August 2025

Serenitas

Project Name	Thyme Lifestyle Resort (Lot 9 RP737161)
Project Address	Margherita Close (Lot 9 RP737161)
Project No:	021-2504
Document Title:	Site Based Stormwater Management Plan
Document No.:	021-2504-R-002
Revision:	B
Date:	13/08/2025
Client Name:	Serenitas

Report prepared by
Craig Caplick | Principal Engineer | RPEng RPEQ 25102 | +61 402 568 698 | Craig@ConsultNeon.com.au

Revision History

Rev	Date	Description
A	06/08/2025	Draft
B	13/08/2025	For approval

Contents

1. Introduction 1
2. Flood Assessment 2
2.1 Regional Flood 2
2.2 Local Flooding 2
3. Lawful Point of Discharge 3
4. Stormwater Quantity 3
5. Severe Impact Statement 3
6. Stormwater Quality 4
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7. Erosion and Sediment Control 7
8. Summary 8

Appendix A. Development Plans

1. Introduction

Neon Consulting Engineers has prepared this report addressing stormwater management for a proposed development at Margherita Close (Lot 9 RP737161).

This report has been prepared to collate the proposed stormwater management at the site, demonstrating how the various requirements for flooding and drainage will be met.

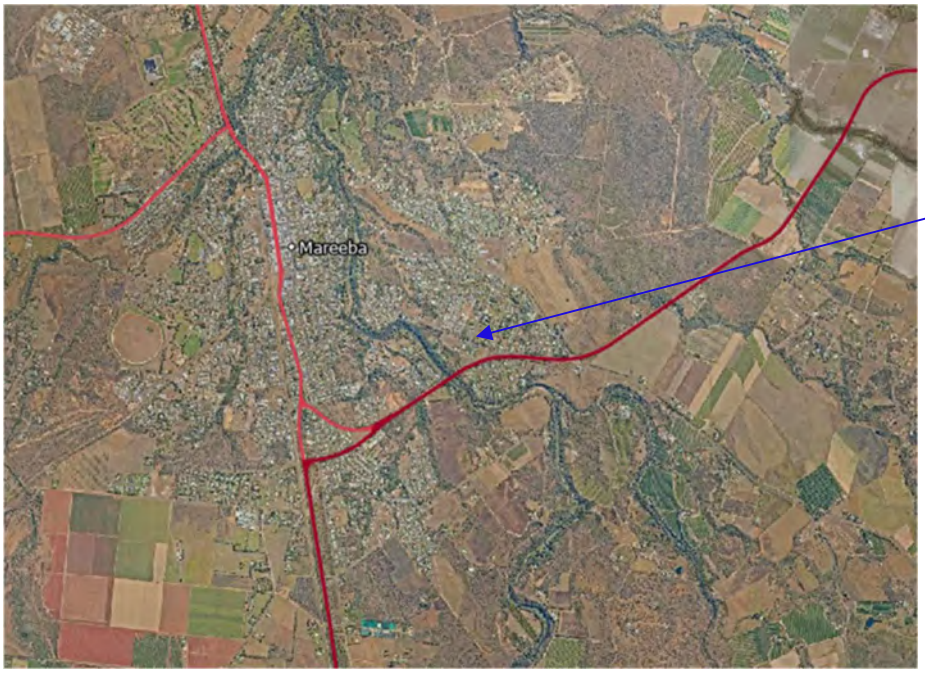


Figure 1 –Extract of Queensland Globe highlighting the subject site and surrounding area

Figure 2 –Extract of Queensland Globe highlighting the subject site

2. Flood Assessment

2.1 Regional Flood

The subject site is free from inundation in the regional flood event, being above the 1% AEP flood level and any flood hazard zones in the regional event.

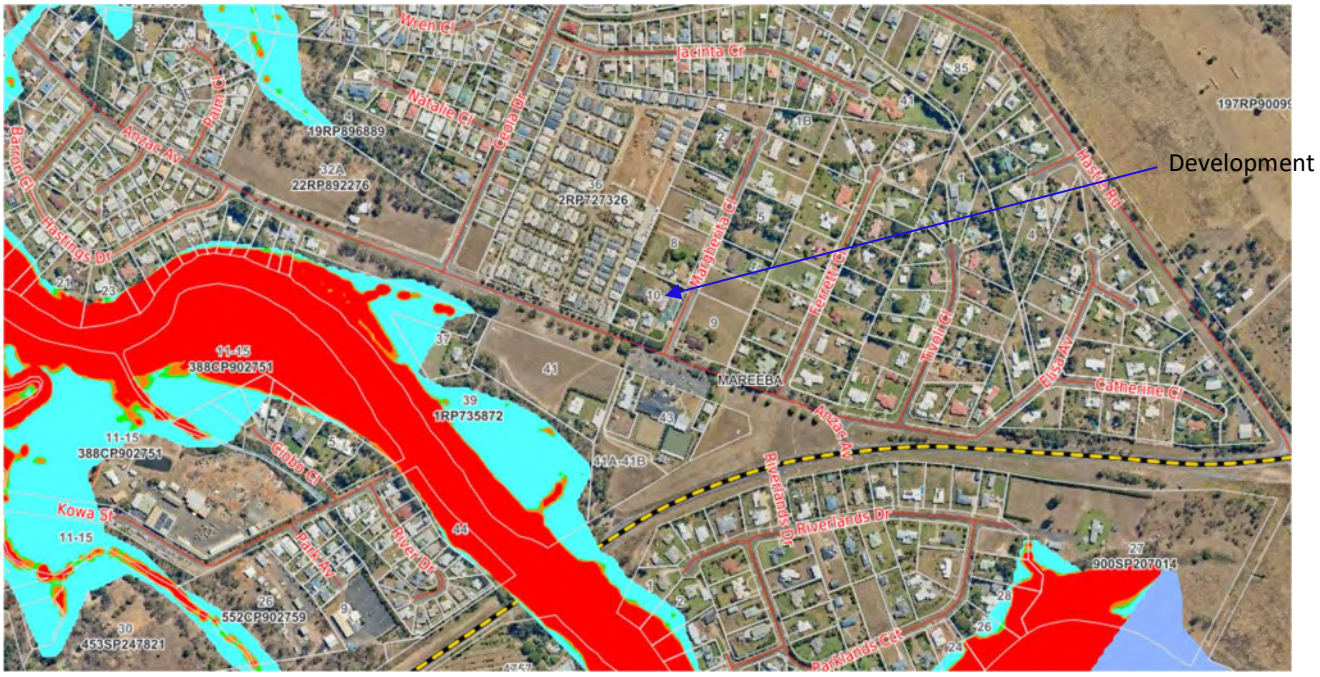


Figure 3 –Extract of the Cairns Regional Council Flood and Inundation Hazard Overlay

2.2 Local Flooding

The site is not subject to any external catchments and can drain to the adjacent road reserves. Under the Far North Queensland Regional Organisation of Councils (FNQROC) Development Manual and the Queensland Urban Drainage Manual (QUDM), the previously designed capacity of the Anzac Avenue and Margherita Close cross-sections will convey any local stormwater in minor and major events.

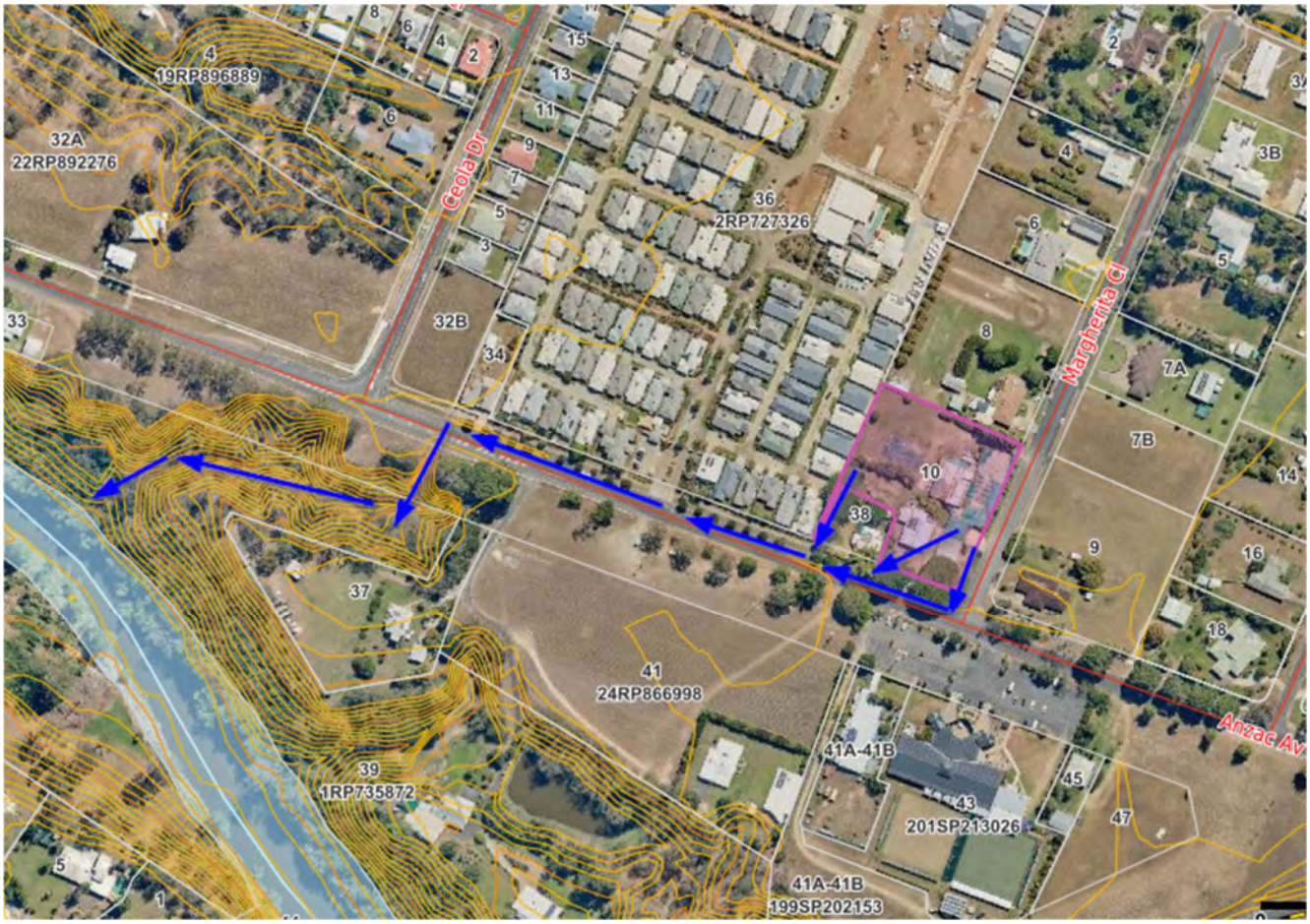
3. Lawful Point of Discharge

The Anzac Avenue and Margherita Close frontages are and will remain the development's lawful point of discharge. The proposed runoff from the site will not be concentrated or redirected in a way that may substantially damage a third-party property and is therefore considered a lawful point of discharge under the lawful point of discharge test described in the Queensland Urban Drainage Manual.

Specifically, Lots 9 -12 will discharge to Margherita Close, Lots 13 & 14 will discharge to Anzac Avenue and the remaining lots will be captured by the internal stormwater network and discharge to Anzac Avenue at the site's western boundary.

4. Stormwater Quantity

Runoff from the site not cause an actionable nuisance to any downstream properties. Stormwater falls to Anzac Avenue and then west before discharging into the Barron River.



5. Severe Impact Statement

This development layout incorporates passive design safety elements to account for events larger than the 1% AEP event or blockages, catastrophic failure of key infrastructure or potential loss of life. To mitigate against such a scenario:

- The buildings are raised above and fall towards major flow paths.
- Major flows are not completely reliant on underground systems and can be conveyed via overland flow paths, which are less susceptible to blockage in severe events

6. Stormwater Quality

For developments in Queensland, the State Planning Policy applies for stormwater quality management or new or expanded non-tidal artificial waterways if any of the following criteria are met;

Criteria	Applies to this development
Material change of use for urban purposes that involves a land area greater than 2500m2 that will result in an impervious area greater than 25% of the net developable area.	No
Material change of use for urban purposes that involves a land area greater than 2500m2 that will result in six or more dwellings.	Yes
Reconfiguring a lot for urban purposes that involves a land area greater than 2500m2 and will result in six or more lots.	Yes
Operational works for urban purposes that involve disturbing more than 2500m2 of land.	No

Table 1 – State Planning Policy Assessment Criteria

The state planning policy applies to this development, and therefore, further assessment of the water quality objectives has been undertaken below.

6.1 MUSICX Modelling

The development site has been assessed using the software program MUSICX to determine the pollutant generation from the existing use and the proposed use.

The model was constructed by defining the surface areas into MUSICX's predefined pollutant sources i.e. Urban –Residential.

The parameters used for the model were derived from MUSIC Modelling Guidelines Version 3.0 2018 by Water and Design and are listed below.

Parameter	Value
Climate Data	Cairns
Rainfall Threshold (mm)	1
Soil Capacity (mm)	100
Initial Storage (%)	30
Field Capacity	100
Infiltration Capacity Coefficient A	200
Infiltration Capacity Coefficient B	1
Initial Depth (mm)	10
Daily Recharge Rate (%)	4
Daily Baseflow Rate (%)	2
Deep Seepage (%)	0.4

Table 2 – MUSICX Model Parameters

After assessing the pollutant loads from the existing site and developed sites without treatment, treatment train measures were selected and modelled in accordance with MUSIC Modelling Guidelines. A bioretention basin has been selected as the primary treatment for this development due to the site topography and layout.

Part of the development discharges directly to the nearby road frontage without opportunity for treatment. This catchment has been excluded from any calculations.

Figure 3 –MUSICX Model Schematic

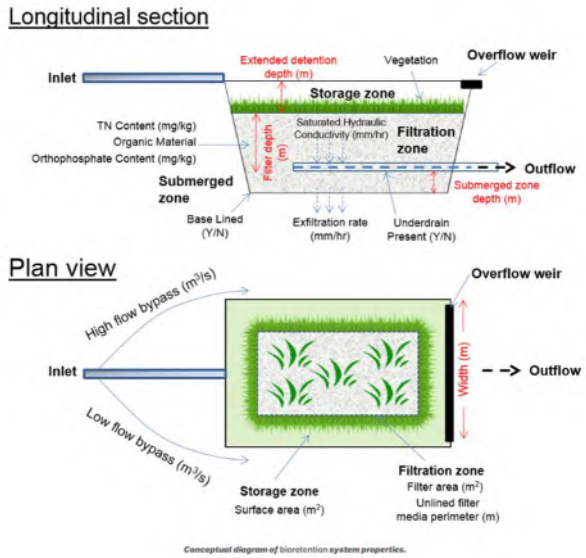


Figure 3 –Conceptual diagram of Bioretention (source: MUSICX User Guide)

Table 2 below summarises the parameters for the biorention basin required to treat the catchment outletting at the site's western boundary.

Device Name	Bypass	Surface Area	Extended Duration Depth	Filter Depth	Base lining	Exfiltration Rate
	m^3/s	m^2	(m)	(m)		(mm/h)
Bioretention 1	0	70	0.3	0.5	No	36

Table 3 – MUSICX Treatment Devices

The treatment train for the proposed development can achieve the water quality objectives of the FNQROC Development Manual as shown below:

Parameter	Unit	Source	Residual Load	Reduction	Target	Result
Total Suspended Solids	kg/year	1454	224.7	84.55%	80%	Achieved
Phosphorus	kg/year	2.409	0.933	61.29%	60%	Achieved
Nitrogen	kg/year	17.12	7.482	56.29%	40%	Achieved
Gross Pollutants	kg/year	245.3	0	100%	90%	Achieved

Table 4 – MUSICX Model Results

7. Erosion and Sediment Control

The development will be programmed so that the restoration of ground cover by paving or revegetation is complete within the shortest period of time and by avoiding the tropical wet season. Potential causes of erosion for this site by wind erosion or precipitation are:

- Stripping and removal of topsoil
- Removal of fill
- Other earthwork operations
- Heavy vehicle use on site

The contractor will be required to prepare a compliant erosion and sediment control strategy to meet the requirements listed below prior to commencing on-site as required to meet any construction staging or site specific changes. No clearing or earthwork activities shall be undertaken unless preceded or accompanied by the installation of adequate runoff and sediment control measures.

Following practical completion of the project, a minimum of 70% coverage of all soil with ground cover (i.e. topsoiling and seeding) shall be provided within 30 calendar days.

During the demolition and construction phases, spraying of water will be used with care to act as a dust suppression method.

Monitoring and Maintenance Programs

Water discharge from the site will adhere to a total suspended solid content of less than 50 milligrams per litre and a pH range of between 6.5 and 8.5 at all times. If the pH of the flocculated water is not achieved, then pH adjustments will be required. This could possibly be done by a dosing of lime.

Site personnel will inspect all erosion and control measures at least at the following frequencies:

- Daily during construction works,
- Weekly when construction works are not happening,
- Within 24 hours of expected rain, and
- Within 18 hours of an impacting rainfall event.

All erosion and sediment control measures that have an order of efficiency below 75% will be corrected by the end of that working day

8. Summary

The stormwater characteristics of the proposed development at Margherita Close (Lot 9 RP737161) are summarised as;

- The development is free from flooding in the regional flood event
- The development is free from flooding in the local flood event
- The development has an existing lawful point of discharge at the site frontage which can be utilised by the development proposal without significant alteration to the topography
- The proposed development will not cause any actionable nuisance from stormwater runoff increase so stgormwater detention has not been proposed.
- Part of the site can be treated with a bioretention basin to help achieve water quality treatment objectives. The bioretention proposed is 70m2 (35m x 2m).

Appendix A. Development Plans

IMPORTANT NOTE

This plan was prepared as a concept plan only and accuracy of all aspects of the plan have not been verified. All lots, areas and dimensions are approximate only, Subject to relevant studies, Survey, Engineering and Government approvals.

No reliance should be placed on the plan and RPS Australia East Pty Ltd accepts no responsibility for any loss or damage suffered howsoever arising to any person who may use or rely on this plan.

2
RP727326

1
RP737161

1
RP731680

Margherita Close

Anzac Avenue

PATH

open space

VISITOR PARKING

1 210m² 21 10
2 210m² 21 10
3 210m² 21 10
4 210m² 21 10
5 210m² 21 10
6 210m² 21 10
7 210m² 21 10
8 393m² 21 18.7

10.5

19 270m² 11 24.5
18 270m² 11 24.5
17 270m² 11 24.5
16 270m² 11 24.5
15 267m² 7.23 5.66 20.5 11.23

55.26

9 337m² 5.66 19 11 15
10 230m² 10 23
11 230m² 10 23
12 230m² 10 23

14 425m² 32.61 42.64 34.5 5.45 16.8 7.34 27.08 26.1 2.42
13 587m² 10.5 33.5 18.77 15.18 29.56 12.73 5.83

4.0m Building Setback

PRELIMINARY - FOR DISCUSSION PURPOSES ONLY

THYME LIFESTYLE RESORT - CONCEPT OPTION

Lot 9 RP737161

0 6 12 18 24 30 60

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Datum: MGA2020 Z55 | **Scale:** 1:600 @ A3 | **Date:** 21-2-2025 | **Drawing:** 388777-1


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