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Our Reference: NP24.257 TCC Reference: MCU25/0006 MM MH

23 June 2025

Assessment Manager Townsville City Council PO Box 1268 TOWNSVILLE QLD 4810

Via: developmentassessment@townsville.qld.gov.au cassie.james@townsville.qld.gov.au

Attention: Cassie James - Planning and Development

Dear Cassie,

Response to Information Request

Development Application for Material Change of Use – Multiple Dwelling (34 Units)

12 - 14 Waverley Lane, Douglas and formally identified as Lot 999 on SP159422

Northpoint Planning act on behalf of the applicant with respect to the abovementioned development application and refer to the Information Request issued by the Townsville City Council (Council) on 25 February 2025 (refer **Attachment 1**). The information included in this correspondence is provided as the Applicant's full response to the Information Request.

In response to Council's Information Request, development plans have been amended to incorporate necessary changes. In particular, the change primarily relates to the provision of internal pedestrian connectivity, the relocation of the proposed access location and subsequent introduction of an additional allotment (Lot 0 on SP177536). It is requested that the amended plans are taken to supersede the previously submitted development plans.

Additionally, the following supportive reporting is provided in response to Council's Information Request:

- Attachment 2: Water Supply and Sewerage Planning Report
- Attachment 3: Site Based Stormwater Management Plan
- Attachment 4: Amended development plans
- Attachment 5: Easement document (Easement B)
- Attachment 6: Traffic Impact Assessment
- Attachment 7: Landscaping Plans

Response to Information Request

The Information Request provided for six (6) request items and two (2) advice items. In response to these items, please refer to Table 1 overleaf.



Table 1 – Response to Information Request

Request Item 1 – Water and Sewer Network Planning

Request Item 1 requires the applicant to provide a water and sewer network planning report demonstrating that the development can be serviced by existing water and sewer infrastructure.

Response

In response to this item, a water and sewer network planning report, prepared by DPM Water, is provided at **Attachment 2**.

The assessment demonstrates that the development can be appropriately serviced by Council's existing reticulated water and sewer network. Specifically:

- The existing water network has sufficient capacity to service the water demands and fire flows for the site.
- The existing gravity sewer system, including the DN300 trunk sewer along Riverside Boulevard has sufficient capacity to service the increased sewage flows from the development.

The assessment determined that a private sewerage pump station may be required to collect the sewage flows from the proposed residential units and pump it to the nearest manhole (MH 3/S1A21) located to the south on the Waverly Lane frontage. The requirement for this will be determined as part of detail design and associated hydraulic approvals.

It is understood Council can condition the requirement to provide details of the private pump station (if required) as part of any Operational Work application.

Request Item 2 – Stormwater Management Plan (Quantity and Quality)

This request item requires the applicant to provide a Stormwater Management Plan demonstrating the development can discharge to a lawful point of discharge without adversely affecting drainage characteristics, whilst also complying with the Water Quality Objectives.

Response

In response to this item, a Site Based Stormwater Management Plan, prepared by STP Consultants, is provided at **Attachment 3**. This demonstrates that the proposed development can be undertaken subject to the requirements listed in the report.

Request Item 3 – Access Location(s)

This request item requires the applicant to provide amended proposal plans which includes the proposed access on Waverly Lane to be located within the Access Easement (Easement B on SP159422 in Lot 0 on SP177536 (Easement No. 706979916)).

Response

In response to this request item, the development plans have been amended to show the proposed access crossover partially within adjoining Lot 0 on SP177536, specifically within Easement B on SP159422. Refer amended development plans included at **Attachment 4**. A copy of the associated easement document is also provided, refer to **Attachment 5**.



We note the proposed development does not specifically require inclusion of Easement B and the adjoining lot for access. However, the applicant acknowledges that without utilisation of the amended access arrangements, access to the existing adjoining use would be hindered.

Request Item 4 - Traffic Impact Assessment

This request item requires the provision of a Traffic Impact Assessment (TIA) demonstrating the proposed development can be appropriately serviced by existing road infrastructure.

In particular, the applicant is advised to consider the following in the TIA:

- Council's working drawings, which intends to provide for more efficient and safer traffic circulation of Waverly Lane.
- Amended access location to align with the location of existing Easement B on SP159422 (per Request Item 3).
- Queuing time at gates.
- Swept paths for all vehicles accessing the development;
- Speed limit within internal driveways.
- Pedestrian safety as staircase doors and lift doors open into the driveway. Confirm this is acceptable as per requirements of National Construction Code 2022.

Response

In response to this item, a TIA prepared by Geleon is provided at **Attachment 6**.

The TIA confirms the proposed development will be appropriately serviced by the existing road infrastructure and meets the relevant provisions of the *Transport impact, access and parking code* of the *Townsville City Plan (2014)*.

Of note, the proposed access location has been amended to partially align with the location of existing Easement B on SP159422 in adjoining Lot 0 on SP177536.

The TIA concludes that subject to reasonable and relevant conditions, the proposed development can be supported and does not result in any adverse traffic or transport impacts.

Request Item 5 – Landscaping Plan

This request item requires the applicant to provide proposed landscaping plans to be prepared in accordance with the Landscape Code of the Townsville City Plan (2014).

Response

In response to this request item, concept landscaping plans prepared by Madden Landscape Architects, are provided at **Attachment 7**.

The proposed landscaping includes a combination of soft and hard landscape elements including:

- Screen planting;
- Grassed areas;
- Planting beds with varied species and colours;
- Internal pathways linking to external pedestrian routes;
- Internal maintenance pathways; and
- Outdoor furniture, including a gazebo, tables and seating around the pool.

Screen planting is proposed along all site boundaries where space allows, to soften built form, enhance privacy, and integrate the development with the with the surrounding vegetated



environment. Additional screen planting is also proposed around the swimming pool to maintain privacy.

Landscaping is incorporated throughout the site - particularly around the pool, buildings and car parking areas - to provide shade and enhance on-site amenity.

Landscaping along the Waverly Lane frontage and the north-west Ross River footpath frontage will improve the visual presentation of the development and support its integration with the residential streetscape and the Ross River corridor.

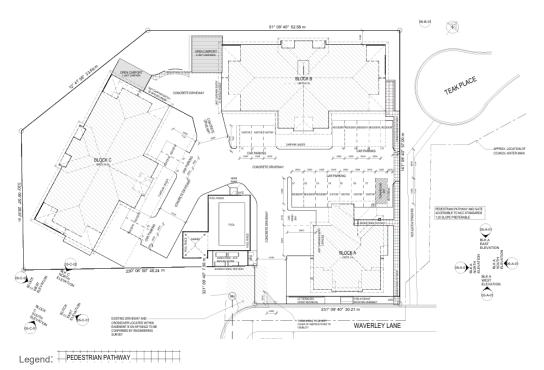
Request Item 6 – Footpath Connectivity

This request item requires the applicant to provide amended proposal plans, demonstrating pedestrian connectivity to the Ross River pathway network.

Response

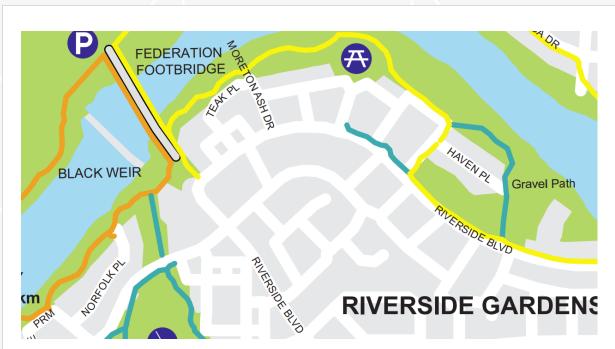
In response to this request item, the proposed development plans have been amended to provide pedestrian connectivity from the subject site to the Ross River Road pathway network. Amended proposal plans are provided at **Attachment 4**. Pedestrian connectivity is also shown on the proposed landscaping plans at **Attachment 7**.

Specifically, the amended plans incorporate internal pedestrian pathways which connect to the existing external footpath network running north-south from Teak Place to Waverly Lane. This pathway links into the existing footpath network along Riverside Boulevard and, in turn, to the Ross River pathway network, specifically the Federation Circuit and Riverway Circuit. The location of the footpath as it relates to the Ross River Pathway Network is illustrated in the below images.



Source: Development Plans, prepared by The Design House





Source: Townsville City Council, Ross River Road Parkway Network Plan

Advice 1 – Communal Open Space

This advice item requests the applicant to provide consideration to the impact of user's amenity that the proposed refuse storage area may have on the adjoining pool and BBQ areas.

Response

The proposed refuse area will incorporate suitable screen fencing as detailed on the proposed development plans.

Advice 2 - Dwelling Design

The advice item requests the applicant to consider the following urban design outcomes and make any changes to the proposal plans as necessary: -

- Natural cross-ventilation;
- Internally room isolation, especially as it relates to toilets, bathrooms and kitchens, with no natural light and ventilation may result in these spaces being undesirable for residents;
- Access for people with disabilities.

Response

In response to this advice item, we confirm the proposed development will accord with all building code requirements and will be subject to building certification.



Effect of Change- Matter Raised in an Information Request

In response to items 3 and 4 of Council's Information Request, the proposed access location has been relocated to be partially included in Easement B on SP159422 in adjoining allotment Lot 0 on SP177536. Given Easement B is not included within the subject site, it is necessary to change the development application in accordance with s52(1) of the *Planning Act 2016* to include Lot 0 on SP177536 as part of the defined premises.

The change results in the application applying to a new parcel of land and is considered a change that is not a minor change that is in response to Council's Information Request per s26.1(b) of the DA Rules.

The Certificate of Title for Lot 0 on SP177536 confirms that the site is encumbered by two easements as illustrated in Table 2 below.

Table 2 – Easements and Encumbrances

Easement	Purpose	Encumbrances
Easement B on SP159422 in Lot 0 on SP159422	Access	Benefiting Lot 999 on SP159422Burdening Lot 0 on SP177536
Easement D on SP169641 in Lot 0 on SP177536	Ergon	Benefiting Lot 999 on SP159422Burdening Lot 0 on SP177536

The change causes additional referral requirements, with referral now being required to Ergon as an Advice Agency in accordance with s26.3 of the DA Rules. Subsequently, part 2 of the DA Rules – *Referral* - applies.

Accordingly, the following is provided for Council's consideration:

- Attachment 8: Amended DA Form 1
- Attachment 9: Current Title for Lot 0 on SP177536
- Attachment 10: Amended Subject Site and Surrounds

Proceeding

We trust the above and attached information is sufficient for Council to continue its assessment of the application. We welcome the opportunity to discuss the application with Council further, should any additional clarification or information be required.

We note that the development application is currently on pause, with the application being stopped in accordance with s32.5 of the DA Rules up to and including 9 July 2025. With this response, we ask that the stop be **withdrawn** in accordance with s32.5 of the DA Rules.

Further, given the changes made to the application in response to Council's Information Request, specifically with the introduction of an additional allotment, the application is now required to be referred to Ergon as an Advice Agency in accordance with Part 2 of the DA Rules. It is understood that the applicant can only refer the application to Ergon once Council have advised Ergon of the effect of the change to the development assessment process per s26.4(a) and s25.1(b).



Please do not hesitate to contact the undersigned should you have any queries in relation to this application.

Yours faithfully,

Mary McCarthy

SENIOR PLANNER

Northpoint Planning

Attachment 1: Information Request

Attachment 2: Water Supply and Sewerage Planning Report
Attachment 3: Site Based Stormwater Management Plan
Attachment 4: Amended development plans
Attachment 5: Easement document (Easement B)

Attachment 6: Traffic Impact Assessment

Attachment 6: Traffic Impact Assessment Landscaping Plans Attachment 8: Amended DA Form 1
Attachment 9: Current title

Attachment 10: Amended subject site and surrounds



Attachment 1



Date >> 25 February 2025

PO BOX 1268, Townsville Queensland 4810

13 48 10

enquiries@townsville.qld.gov.au townsville.qld.gov.au

ABN: 44 741 992 072

20.00.00.00.

Opulence Builders Group C/- Northpoint Planning

PO Box 4

TOWNSVILLE QLD 4810

Email >> hello@northpointplanning.com.au

Dear Sir/Madam

Information Request Planning Act 2016

As per our telephone conversation on 21 February 2025 please be advised that, upon review of the below mentioned development application, further information is required to undertake a comprehensive assessment. In accordance with section 12 of Development Assessment Rules under the *Planning Act 2016* the following information is requested.

Application Details

Application no: MCU25/0006 Assessment no: 4826235

Proposal: Multiple Dwelling - 34 Units

Street address: 12-14 Waverley Lane DOUGLAS QLD 4814

Real property description: Lot 999 SP 159422

Applicant's reference: NP24.257

The information requested is set out below >>

Request Item 1 - Water and Sewer Network Planning

The applicant is requested to provide a water and sewer network planning report demonstrating that the development is able to be appropriately serviced by existing water and sewer infrastructure.

Reason

To demonstrate compliance with Performance Outcome PO25 of the Reconfiguring a lot code of the Townsville City Plan.

Advice

Townsville City Council does not permit the direct connection of pump systems to water mains for firefighting purposes. Private building fire systems must comply with relevant building codes and standards.

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Request Item 2 - Stormwater Management Plan (Quantity and Quality)

The applicant is requested to provide a stormwater management plan demonstrating that the development can discharge to a lawful point of discharge without adversely affecting drainage characteristics, whilst also complying with the Water Quality Objectives.

Reason

To demonstrate compliance with Performance Outcome PO1 of the Healthy waters code and PO25 of the Reconfiguring a lot code of the Townsville City Plan.

Request Item 3 - Access Location(s)

The applicant is requested to relocate the proposed access on Waverley Lane to be within the Access Easement (Easement B on SP159422 (Easement No. 706979916)).

Reason

To demonstrate compliance with Performance Outcomes PO5 and PO7 of the Transport impact, access and parking code of the Townsville City Plan.

Request Item 4 - Traffic Impact Assessment

The applicant is requested to provide a Traffic Impact Assessment (TIA) demonstrating the proposed development is able to be appropriately serviced by existing road infrastructure.

Reason

To demonstrate compliance with Performance Outcome PO1 of the Transport impact, access and parking code of the Townsville City Plan.

Advice

The applicant is advised to consider the following in the TIA:

- Council is currently working towards more efficient and safer traffic circulation on Waverley Lane, details will be provided to the developer once finalised;
- The proposed access location, considering Request Item 3;
- Queuing time at gates;
- Swept paths for all vehicles accessing the development;
- Speed limit within internal driveways;
- Pedestrian safety as staircase doors and lift doors open into the driveway. Confirm this is acceptable as per requirements of National Construction Code 2022.

Request Item 5- Landscaping Plan

The applicant is requested to provide a Landscaping Plan.

Reason

To demonstrate compliance with the Landscape code of the Townsville City Plan.

Request Item 6 - Footpath connectivity

The applicant is requested to provide amended plans demonstrating pedestrian connectivity to the Ross River pathway network.

Reason

To demonstrate compliance with the Townsville City Plan.

End of Information Request >>

In addition to the above Information Request items, the following advice is provided for your consideration >>

Advice 1

The applicant is advised to consider the location of the communal recreation open space. The current development plans propose the pool and BBQ area adjoining the bin refuse location, which may result in undesirable amenity impacts for users of the communal open space. In addition, the proposed communal open space will be visible from the internal facing verandas/balconies, resulting in potential overlooking impacts.

Advice 2

The applicant is advised to consider the following urban design outcomes and make any changes to the proposal plans, as necessary:

- The current floorplan designs do not encourage natural cross-ventilation, limiting each unit to rely on air-conditioning to be able to be liveable most of the year round;
- Internally isolated toilets, bathrooms and kitchens with no natural light and ventilation is may result in these spaces being undesirable for residents;
- It appears disabled access has not been considered, or at least is not clearly indicated, for most of the units, specifically the entry hallways and bathrooms in each proposed unit. Building certification will require this for approval.

Under the provisions of the Development Assessment Rules under the Planning Act 2016, you have three options available in response to this Information Request. You may give the assessment manager (in this instance Council):

- all of the information requested; or (a)
- (b) part of the information requested; or
- a notice that none of the information will be provided. (c)

For any response given in accordance with items (b) and (c) above, you may also advise Council that it must proceed with its assessment of the development application.

Please be aware that under the Development Assessment Rules under the Planning Act 2016, the applicant is to respond to any Information Request within 3 months of the request. If you do not respond to the Information Request within this time period, or, within a further period agreed between the applicant and Council, it will be taken that you have decided not to provide a response. In the event of no response being received, Council will continue with the assessment of the application without the information requested.

Council prefers that all of the information requested be submitted as one package. If any additional matters arise as a result of the information submitted, or, as a result of public notification (where applicable), you will be advised accordingly.

Should any referral agency make an information request, you are reminded of your obligation to provide council with a copy of the information response provided to that referral agency.

You may wish to follow the progress of this application using PD Online on Council's website www.townsville.qld.gov.au

If you have any further gueries in relation to the above, please do not hesitate to contact Kaitlyn O'Malley on telephone 07 4727 9415, or email developmentassessment@townsville.qld.gov.au.

Yours faithfully

For Assessment Manager Planning and Development

ABN >> 44 741 992 072 Townsville City Council

PAGE >> 3 OF 3 PACT1028.00



Attachment 2



WAVERLEY LANE DEVELOPMENT DOUGLAS

WATER SUPPLY AND SEWERAGE PLANNING REPORT

Date: 26 March 2025 (Rev A)

TABLE OF CONTENTS

1	INT	RODUCTION	
2	РО	PULATION ASSESSMENT	2
3	WA	ATER SUPPLY PLANNING	;
		Water Demand	
		Water Supply Assessment WAGE SYSTEM PLANNING	
		Sewage Infrastructure Capacity	
	4.2	Private Development Sewer Infrastructure	. 8

APPENDICES

Appendix A	Development Architectural Plans
Appendix B	WaterGems Figures & Modelling Results
Appendix C	Sewer Modelling Figures & Results

REPORT A	AUTHORISAT	ION		
Revision	Revision Date	Details	Approved by	Signature
А	26/03/2025	Initial Report	Desmond Moseley	Moseley

1 INTRODUCTION

This report assessed the performance of the existing water & sewer infrastructure to service the proposed development of No 12-14 Waverley Lane in Douglas.

The site is located on the northern side of Waverley Lane and western side of Teak Place. The site is currently a vacant lot which fronts the Ross River on its northern boundary. The location of the development site is illustrated on the extract below from Council's GIS.



Figure 1 - Extract of Council GIS

The site is proposed to become a residential apartment development with will include the following:

- Apartment Block A 4 residential units.
- Apartment Block B 15 residential units.
- Apartment Block C 15 residential units.

The extract below from the Architectural plans illustrates the above three apartment blocks for the proposed 34 residential unit development. The relevant preliminary architectural plans are provided in Appendix A.

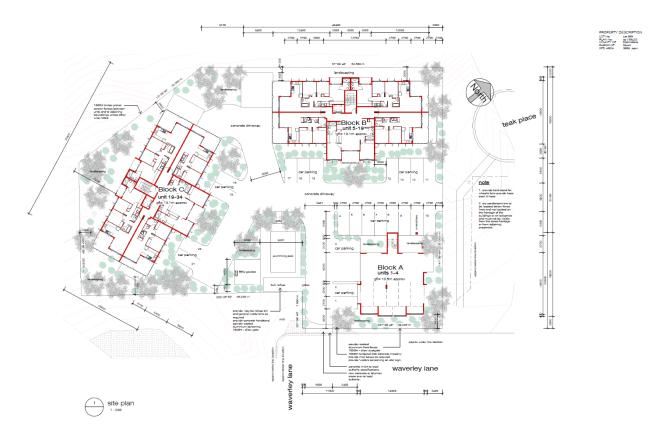


Figure 1 - Extract of Architectural Plan

An assessment of the capacity of the existing water and sewer infrastructure to service residential apartment development is detailed in the following sections of this report. The assessment has illustrated:

- The existing water network has sufficient capacity to service the water demands and fire flows for the site.
- The existing gravity sewer system, including the DN300 trunk sewer along Riverside Boulevard has sufficient capacity to service the increased sewage flows from the development.
- Due to the existing invert level of the existing gravity sewer that services the site (ie MH 3/S1A21 located near the southern boundary of the site off Waverly Lane) and the ground levels of the site, it is likely that a private sewage pump station will be required to collect the sewage flows from the residential units and pump it to MH 3/S1A21. The private pump station would be confirmed and designed as part of the internal development hydraulic.

2 POPULATION ASSESSMENT

The following section provides the population assessment for the Waverley Lane development.

The equivalent population assessment has been developed based on the unit rates detailed in "Table 8.1 – Infrastructure Demand Unit Rates" of the Local Government Infrastructure Plan – DSS, Definitions & Demands (April 2017) that is extrinsic referenced material to the Townsville CityPlan.

The following tables provides the water supply and sewerage equivalent population.

Table 2.1 - Equivalent Population Assessment for Waverly Lane Residential Apartments

	Number	Rate	EP
Apartment Block A	4 units	1.8 EP/unit	7.2 EP
Apartment Block B	15 units	1.8 EP/unit	27.0 EP
Apartment Block C	15 units	1.8 EP/unit	27.0 EP
Total	34 units	1.8 EP/unit	61.2 EP

The above equivalent populations have been used for the water & sewer infrastructure assessment.

3 WATER SUPPLY PLANNING

The Waverley Lane development site is serviced with a reticulated water system as follows:

- Water storage is provided in the Council's "Douglas No 1A/1B Reservoirs" that are located on the northern foothills of Mt Stuart. These are 2 x 41 ML reservoirs that service much of the lower elevated areas of Townsville including the suburb of Dougals.
- Water is supplied from this reservoir to the north via a DN1,425 MSCL bulk main to Angus Smith Drv. A DN450 DICL trunk main then extends to the west along Angus Smith Drv and a DN375 DICL main then crossing under this road and the Townville Ring Rd to deliver water into the Riverside Gardens/Douglas area.
- A DN300 PVC main extends from the above DN375 DICL trunk main to the north along Riverside Boulevard. The water main continues to the north and east along Riverside Boulevard with it decreasing in size to a DN250 PVC main and then a DN200 PVC main.
- The DN200 PVC main continues to the east along Riverside Boulevard (southern side of the road) with a DN100 PVC main located on the northern side of the road. A DN100 PVC main connects off the mains on Riverside Boulevard to run along Waverley Lane and along the frontage of the development site.

The above illustrates the Douglas area is well serviced with a reticulated water supply.

3.1 Water Demand

Water demands have been calculated in accordance with Townsville City Council planning scheme and its latest amendments. The following table provides the water demand parameters for the Townsville Planning Scheme which have been used in the water infrastructure assessment for Waverley Lane development.

Table - SC6.4.3.21.2 Water supply unit demand parameters

Parameter	Unit Demand	Peaking Factor
Average Day (AD)	600 L/day/EP	
Mean Day Max Month (MDMM)	900 L/day/EP	1.5 AD
Peak Day (PD)	1125 L/day/EP	1.25 MDMM
Peak Hour (PH)	0.033 L/s/EP	2.56 PD

The peak water demand for the residential development is therefore 61.2 EP x 0.033 l/s/EP = 2.02 l/s.

In addition to the above, as the development is a multi-story residential apartment complex a 30 l/s fire flow has been included in the water network modelling.

3.2 Water Supply Assessment

The residential water demands for the 34 unit development were included into the Townsville WaterGems network model to assess the performance of the existing water infrastructure to service the Waverley Lane development with peak hour demands and fire flows.

The residential water demands have been applied to the end of the existing DN100 PVC water main that extends to the frontage of the development site. The following extract from the WaterGEMS model illustrates the residential equivalent population loadings.

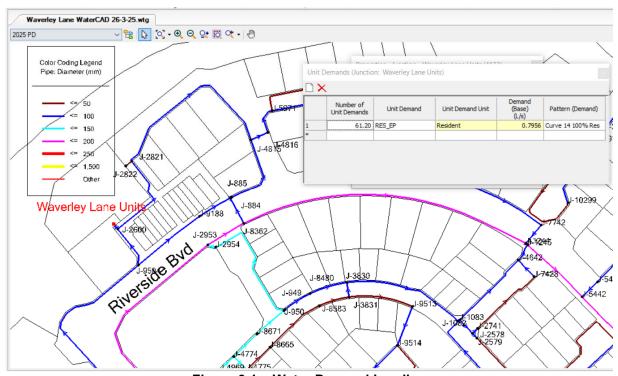


Figure 3.1 - Water Demand Loading

The water network modelling and results are summarised below. The detailed results and WaterGEMS model figures are included in Appendix B:

- Peak hour water pressures to the development site at 19:00 hours which is concurrent with the
 peak residential water demands is 306 kPa. This pressure is above the minimum allowable
 pressure of 220 kPa.
- The headloss gradient along all the water mains are below the recommended value of 0.005 m/m for the peak hour demand so meets TCC standards.
- With the inclusion of the 30 l/s fire flows the water pressure is reduced to 203 kPa which is above the minimum allowable fire flow pressure of 120 kPa.
- The velocity in the existing water mains during the fire flow assessment increased to 2.8 m/s which is within the CTM Code standard of having a maximum velocity of 5 m/s.

It is noted the above water pressures are the residual pressures within the water main and do
not specifically account for pressure losses through fire hydrants, standpipes, RPZD's and/or
fire booster pump assemblies.

The plots below from the WaterGems model illustrate the water pressures at the Waverley Lane development node for both the 19:00 hours peak hour demands and the fire flow assessment.

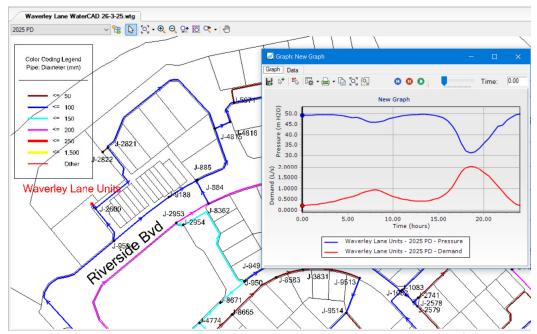


Figure 3.2 - Waverley Lane Development - Peak Hour Demands Curve

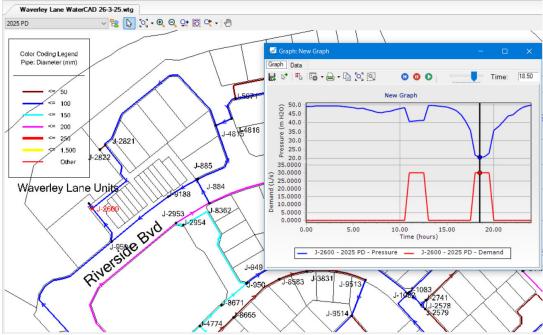


Figure 3.3 - Waverley Lane Development - Fire Flow Demands Curve

The assessment illustrates the development is able to be serviced with peak hour and fire flows from the existing reticulation water network with no upgrades required.

4 SEWAGE SYSTEM PLANNING

The Waverley Lane development is located on the northern side of Waverley Lane and western side of Teak Place in Douglas. The site is serviced with an existing sewer system as follows:

- An existing DN150 gravity sewer extends from MH 3/S1A21 (that is located on the Waverley Lane frontage of the site) to the south to MH 2/S1A21 (that is located at the intersection of Waverley Lane and Riverside Boulevard).
- The DN150 gravity sewer runs to the east and then south under Riverside Boulevard to MH 33/S1A. This maintenance hole is on the DN300 trunk gravity sewer that runs along the southern side of Riverside Boulevard.
- The DN300 trunk sewer then generally continues to the east along Riverside Boulevard and other local streets and park reserves and onto PS S1A that is located off Riverside Boulevard and to the south of Southern Cross Cct.
- PS S1A pumps sewage to the east and onto the common pressure main to Major PS S21.
 Major PS S21 then pumps sewage to the Cleveland Bay STP.

The existing gravity sewer system is illustrated on the GIS Map below.



Figure 4.1 - Existing Sewer Infrastructure Figure

4.1 Sewage Infrastructure Capacity

As detailed above, the sewage from the Waverley Lane development is to be directed to the existing MH 3/S1A21 that is on a DN150 gravity sewer that is located on the Waverley Lane frontage of the site. The additional sewage loads from the development have been added to existing MH 3/S1A21 as illustrated on the SewerGEMS extract below.

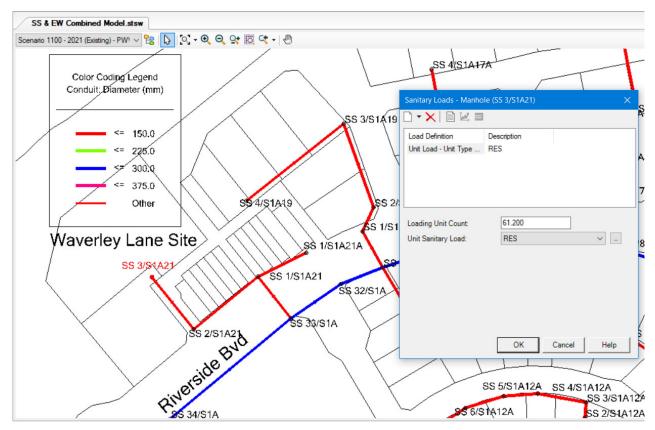


Figure 4.2 - Waverley Lane - SewerGEMS EP Loading

The existing gravity sewer system and DN300 trunk sewer have sufficient capacity to service the proposed Waverley Lane development with the SewerGEMS network modelling results and gravity sewer system capacity summarised below and detailed in Appendix C:

- The existing DN150 sewer from MH 3/S1A21 that the Waverley Lane development will direct its sewage into, flows up to 19% full which is under the 75% full requirement of the CTM Code.
- The remainder of the DN150 sewer from MH 3/S1A21 to MH 33/S1A flows up to 24% full.
- DN300 trunk sewer along Riverside Boulevard flows up to 64% full.
- All the sewers flow less than 75% full and meet the requirements of the CTM Code.

The assessment has illustrated that the Waverley Lane development can be serviced from the existing gravity sewer system with no upgrades being required.

The Figure 4.3 below provides the SewerGEMS modelling results. A larger version of the modelling results is provided in Appendix C.

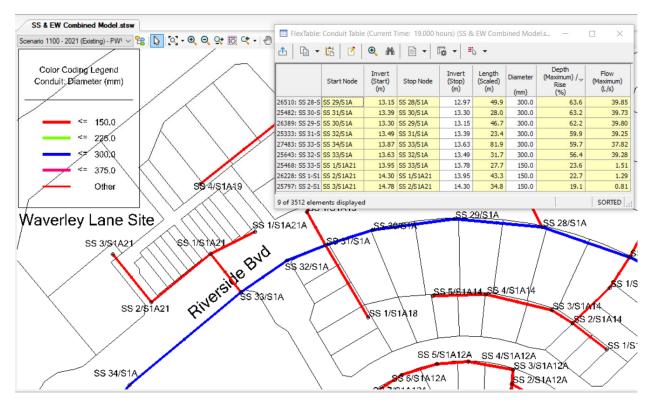


Figure 4.3 - Waverley Lane - SewerGEMS Modelling Results

4.2 Private Development Sewer Infrastructure

The topography of the development site at No 12 to 14 Waverley Lane drops from the road level of around 17mAHD to a level of around 12mAHD on the northern (Ross River) frontage of the site. The invert of the existing sewer maintenance hole that is to service the site (ie MH 3/S1A21) is 14.78mAHD. The gravity sewer invert level is higher than some of the development site so it may not be deep enough to fully service the proposed development.

Depending on the final location and levels of the proposed residential apartment blocks and their private gravity sewers (house drains), the site may need its own small private package sewage pump station. The private package sewage pump station will collect sewage from the proposed apartment blocks (if/as required) and would then pump sewage into existing MH 3/S1A21.

The sizing and design of the private package pump station (if required) and associated internal development sewer works will be undertaken as part of the detailed development design and associated hydraulic approvals.

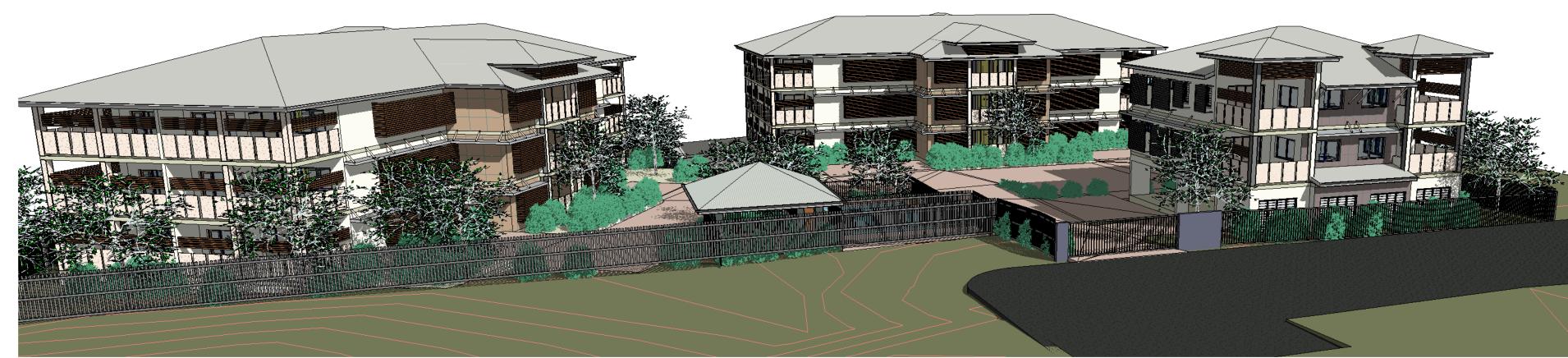
APPENDIX A DEVELOPMENT LOCATION & LAYOUT PLANS







5 community area view





aerial view 1





internal view to block a & b





Sheet List				
Sheet				
Count	Number	Sheet Name		
1	sk 01	perspectives		
1	sk 02	elevations overal		
1	sk 03	elevations overal		
1	sk 04	site plan		
1	sk 05	services - aerial plans		
1	sk_06	area layouts		
1	sk_07	Block A - floor plans		
1	sk_08	Block A - elevations		
1	sk_09	Block B - ground floor plan		
1	sk_10	Block B - first floor plan		
1	sk_11	Block B - second floor plan		
1	sk_12	Block B - third floor plan		
1	sk_13	Block B - elevations		
1	sk_14	Block B - elevations		
1	sk_15	Block C - ground floor plan		
1	sk_16	Block C - first floor plan		
1	sk_17	Block C - second floor plan		
1	sk_18	Block C - third floor plan		
1	sk_19	Block C - elevations		
1	sk_20	Block C - elevations		

NOTES:

THIS DRAWING IS ONLY INTENDED TO
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Revision Schedule

Description

edule

Building Design tel: 07 4728 3228

project:
Proposed Multiple Dwellings
for:
Opulence Builders Group
at:

Douglas

2-14 Waverley Lane

Issue Date 11/20/07
Drawn concepts
scale
sheet sk_01

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Preliminary
not to be used for construction purposes



PROPERTY DESCRIPTION LOT No: Lot 999
PLAN No: sp 159422
COUNTY OF Elphinstone
PARISH OF Stuart

SITE AREA 3869 sqm

Revision Schedule THIS DRAWING IS ONLY INTENDED TO OBTAIN A LOCAL AUTHORITY BUILDING Date No Description COMPLY WITH ALL RELEVANT AUTHORITY REG. & BSA. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED MEASUREMENTS. VERIFY ALL ON SITE DIMENSIONS & LEVELS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

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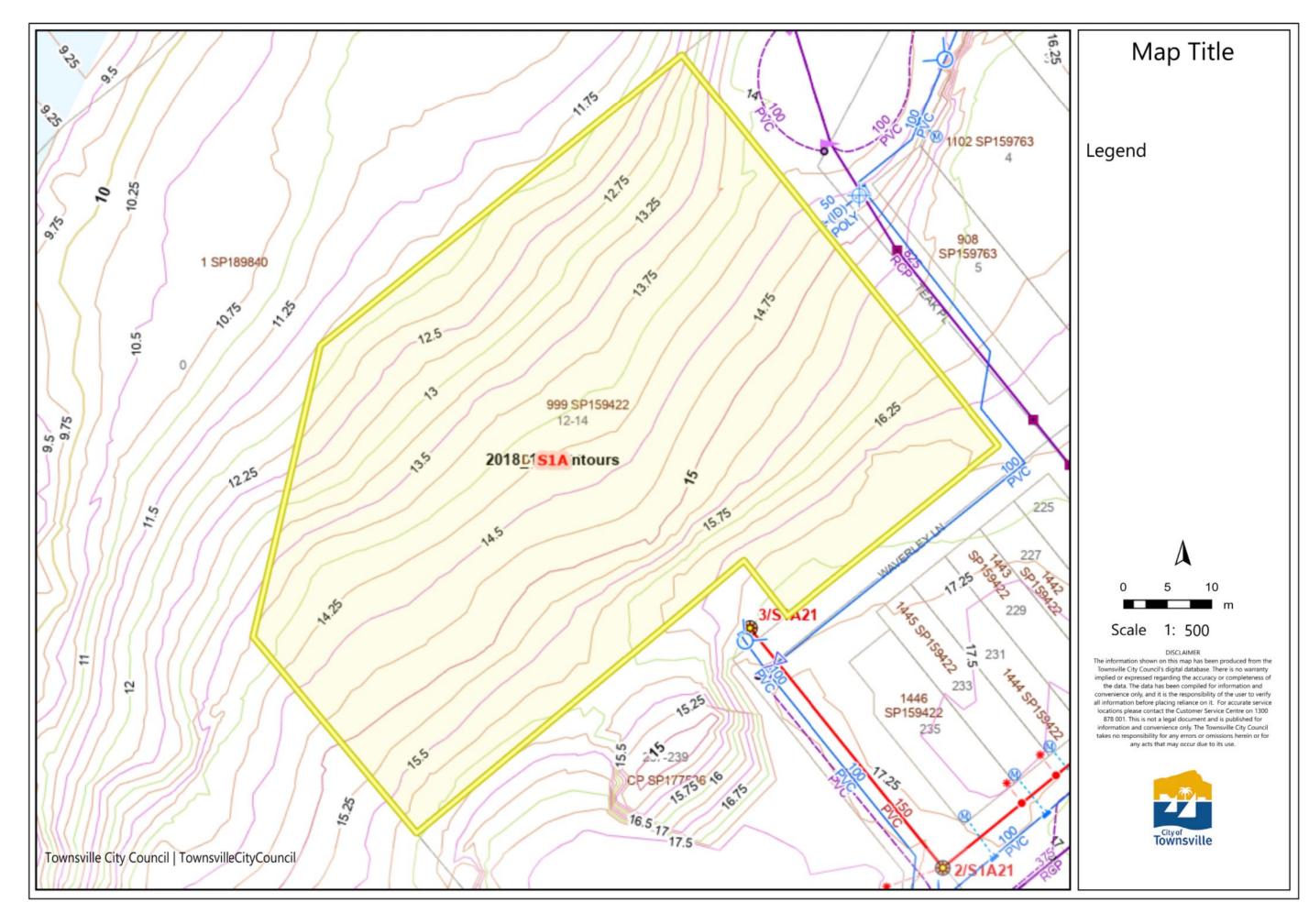
Proposed Multiple Dwellings Opulence Builders Group 2-14 Waverley Lane Douglas

Issue Date 11/20/07 Drawn Author As indicated sheet sk_04 23-013

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Revision Schedule Description

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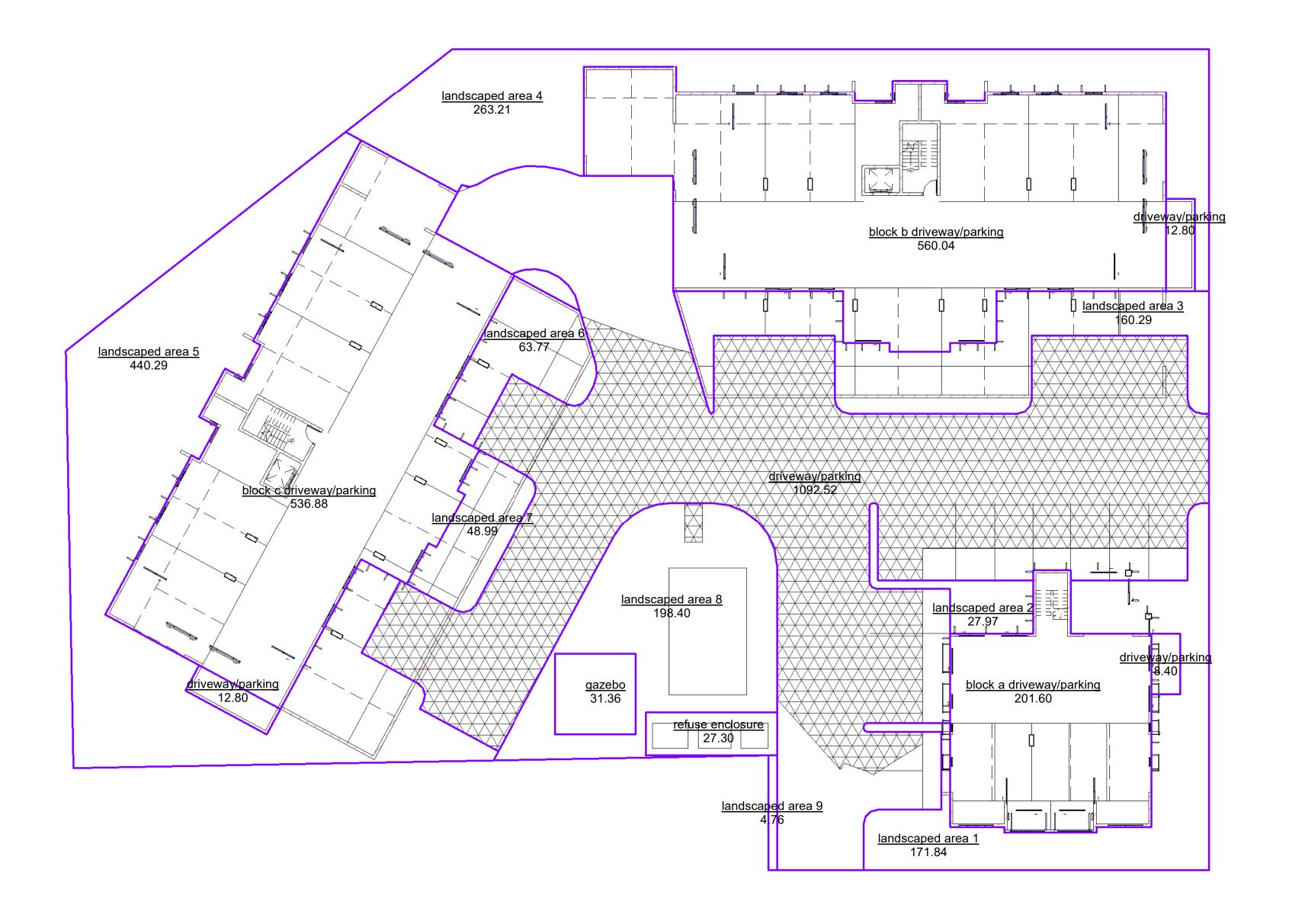
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Proposed Multiple Dwellings Opulence Builders Group 2-14 Waverley Lane

Douglas

Issue Date 04/13/23 Drawn Author scale 1:100 sheet sk_05 23-013

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Count	Name	Area	%
building			
1	block b driveway/parking	560.04	14%
1	block c driveway/parking	536.88	14%
1	block a driveway/parking	201.60	5%
3		1298.52	34%
driveway			
1	driveway/parking	1092.35	28%
1	driveway/parking	12.80	0%
1	refuse enclosure	27.30	1%
1	driveway/parking	8.40	0%
1	driveway/parking	12.80	0%
5 landscape		1153.65	30%
1	landscaped area 3	160.29	4%
1	landscaped area 6	63.77	2%
1	landscaped area 7	48.99	1%
1	landscaped area 5	440.29	11%
1	gazebo	31.36	1%
1	landscaped area 8	198.40	5%
1	landscaped area 1	171.84	4%
1	landscaped area 2	27.97	1%
1	landscaped area 4	263.37	7%
1	landscaped area 9	4.76	0%
10	<u>'</u>	1411.06	37%

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Revision Schedule

Description

No

Building Design tel: 07 4728 3228

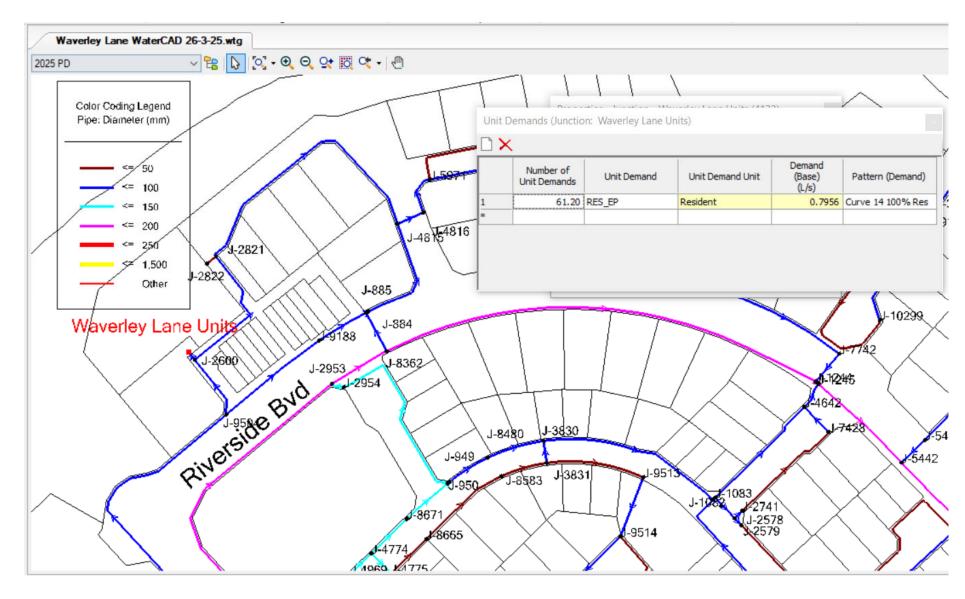
Date

project:
Proposed Multiple Dwellings
for:
Opulence Builders Group
at:
2-14 Waverley Lane

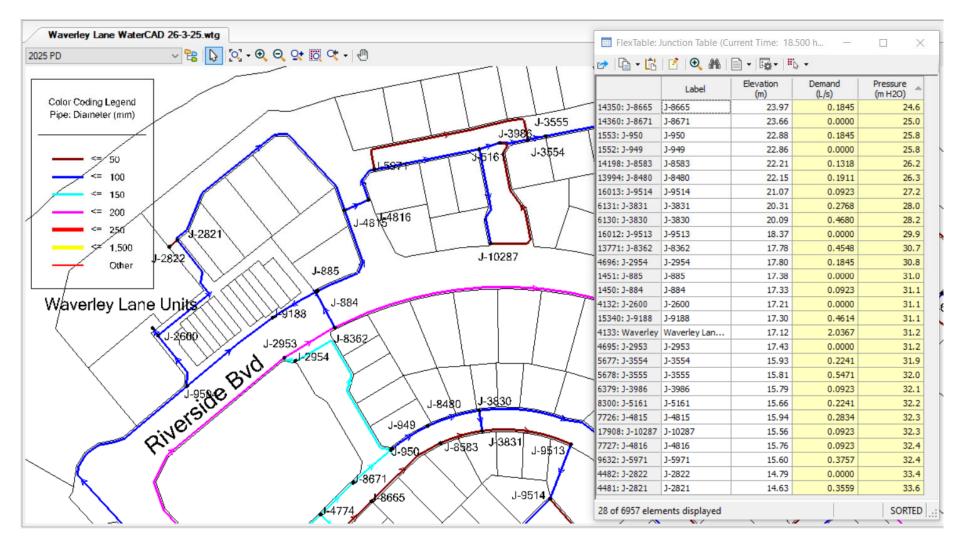
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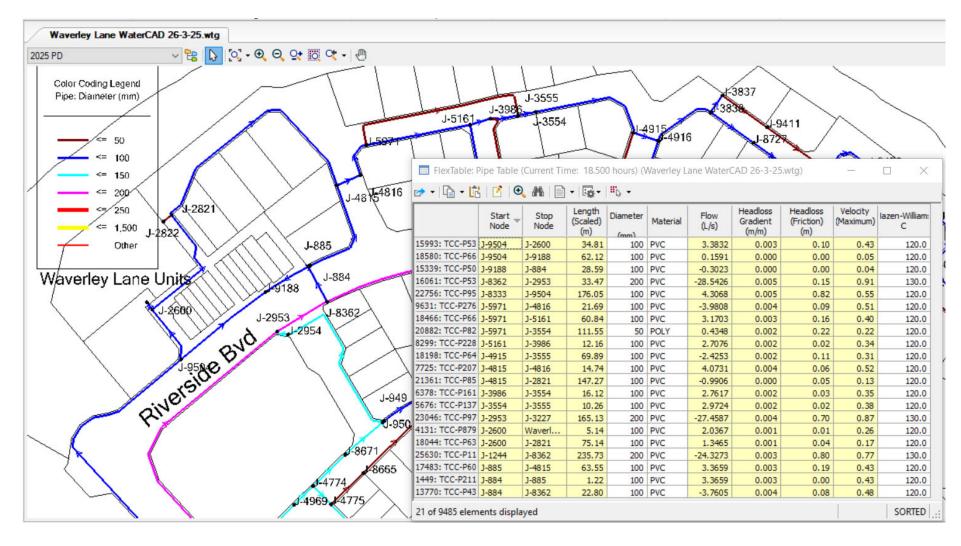
APPENDIX B WATER MODELLING FIGURES & RESULTS



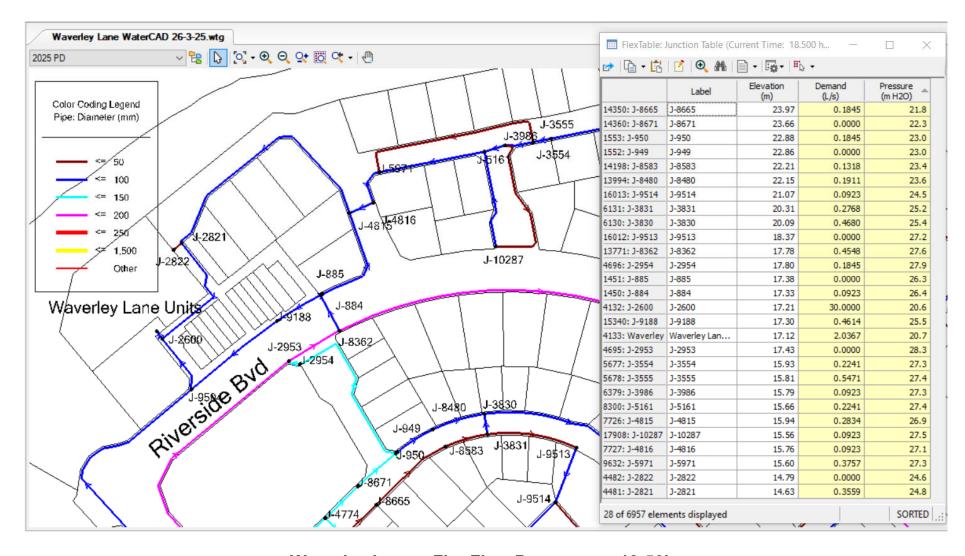
Waverley Lane - WaterGEMS Figure & Demands



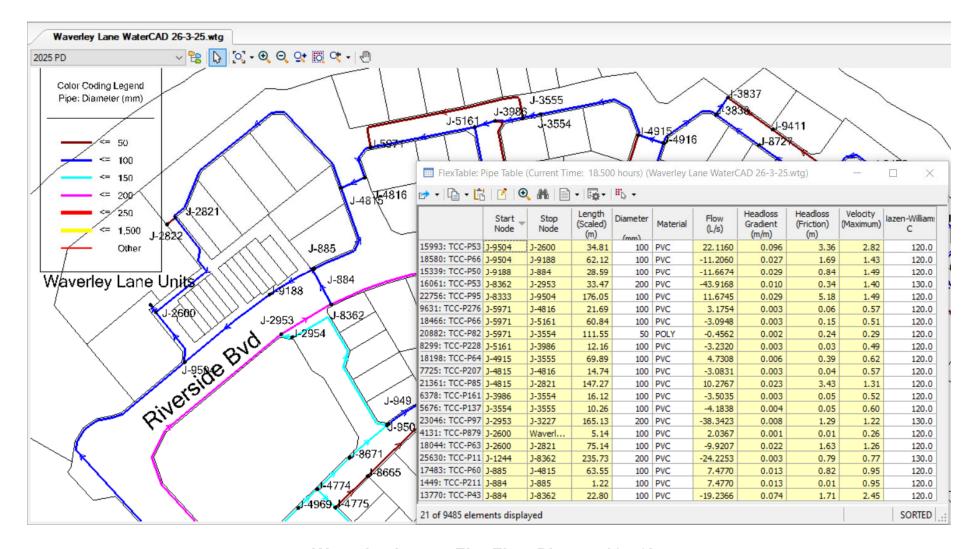
Waverley Lane - Peak Hour Pressures - 18:50hr



Waverley Lane - Peak Hour Pipes - 18:50hr

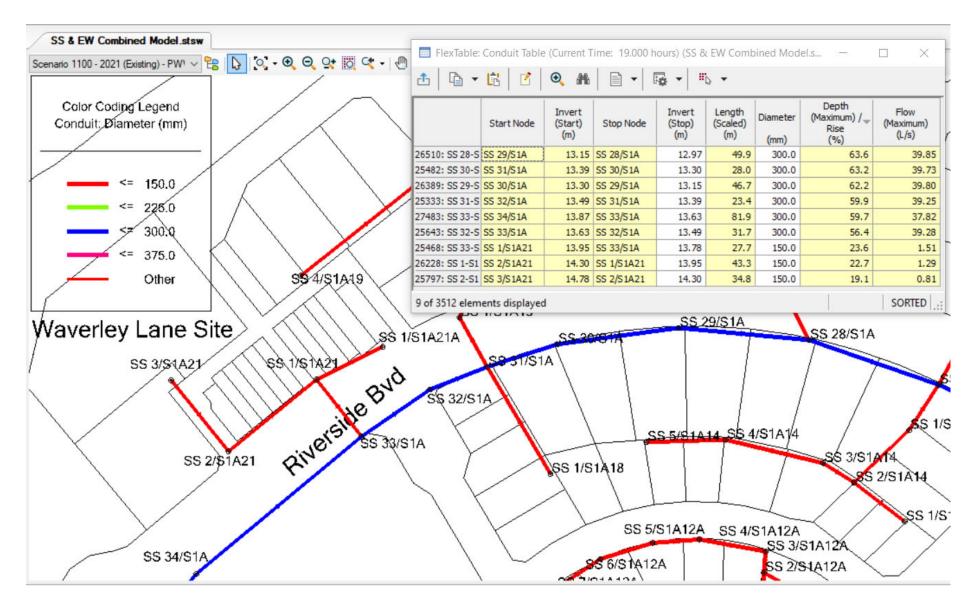


Waverley Lane - Fire Flow Pressures - 18:50hr



Waverley Lane - Fire Flow Pipes - 18:50hr

APPENDIX C SEWER MODELLING FIGURES & RESULTS



SewerGEMS Figure & Modelling Results



Attachment 3



STRUCTURAL
CIVIL
ELECTRICAL
MECHANICAL
HYDRAULIC
FIRE
VERTICAL
TRANSPORT
SEISMIC



PROPOSED MULTIPLE DWELLINGS

12-14 WAVERLEY LANE, DOUGLAS

SITE BASED STORMWATER MANAGEMENT PLAN



Healthcare, Childcare, Veterinary and Luxury Home Builder

OPULENCE BUILDERS GROUP

STP25-0424

DOCUMENT STATUS

Rev.	Issue	Author	Approved for Issue			
	issue	Author	Approved by	Signature	Date	
Α	Preliminary Issue	Matt Whittering	Matt Whittering RPEQ 30796		2 April 2025	
В	Layout Amended	Matt Whittering	Matt Whittering 11 Jun RPEQ 30796		11 June 2025	

TABLE OF CONTENTS

1.	Introduction	1
1.1	Limitations	1
2.	Site Characteristics	1
2.1 2.2 2.3	1 0 1 7	2 3 4
3.	Proposed Development	4
3.1 3.2 3.3	Site Earthworks & Finished Floor Levels	4 4 5
4.	Site Based Stormwater Management Plan	5
4.1	Existing Stormwater Infrastructure	5
5 .	MUSIC Modelling	10
5.1 5.2 5.3 5.4	Rainfall and Runoff Parameters Pollutant Generation	10 10 11 12
6.	Discussion / Conclusion	13
Appei	ndix A: Schematic Drainage Plan	14
Annei	ndix R: Atlan Filter	16

1. Introduction

Opulence Builders Group has engaged STP Consultants to develop a Site Based Stormwater Management Plan for a new multiple dwelling residential development in Douglas, Townsville. This plan is intended to provide essential information to support the proposed development and to comprehensively address the stormwater infrastructure needs necessary to effectively manage all-site runoff resulting from the proposed development.

This SBSMP report focuses on the impact of the development in the following areas:

- Earthworks
- Flood Hazard
- Stormwater Management
- Stormwater Quality

1.1 Limitations

This report provides a desktop stormwater and hydrology investigation from the information obtained from the following sources.

- · Architectural Layout provided by Concepts Building Design.
- LiDAR data obtained from Department of Natural Resources and Mines (via ELVIS Elevation Foundation Spatial Data).
- Townsville Council Infrastructure Mapping Information.
- Townsville City Council Development Flood Report Investigation.
- Townsville City Council Planning Scheme.
- Rainfall and Meteorological Data by the Australia Bureau of Meteorology.
- Before You Dig Australia.
- Queensland Globe.

2. Site Characteristics

The site is situated at 12-14 Waverley Lane, Douglas Queensland 4814, and encompasses a single lot specifically identified as Lot 999 on SP159422, with a land area of 3,869m² (hereafter described as "the site"). The site falls within the Open Space Zone under the authority of the Townsville City Council (TCC) local government area.

The site is positioned on the southern banks of the Ross River, and the north-western side of Waverley Lane. At present, the site is currently vacant. The site's immediate surroundings include medium density residential housing to the north-east, high density residential units to the south-east, and a small commercial neighbourhood centre to the south known as the Riverview Marketplace. The banks of Ross River fronts the site's northern boundary.



Figure 2.1 - Zoning and Locality Plan Extract (TCC Mapping)

2.1 Easements and Resumptions

The site has no easements or road resumptions through the site.



Figure 2.2 - Locality Plan, Cadastral boundaries, and Easements (Qld Globe).

2.2 Site Topography

Existing surface levels across the site vary, with elevations ranging from RL17.1m AHD (Australian Height Datum) at the south-east corner to RL12.0m AHD at the north-west corner of the site.

Presently, the site exhibits a slope with a gradient of approximately 8% (1:12), that descends from the Waverley Lane frontage towards the Ross River.



Figure 2.3 - Site Survey Plan (ELVIS Lidar).

2.3 Flood Study

According to Townsville City Council flood mapping, the site contains localised areas of inundation from the future 1% AEP Defined Flood Event (DFE). The depths and locations of these areas implies they are localised depressions within the flood model, often referred to as 'model noise', and not representative of a flood level for the purposes of developing the site. The DFE for the Ross River adjacent to the site is at RL12.07m AHD, which does not encroach into the site.

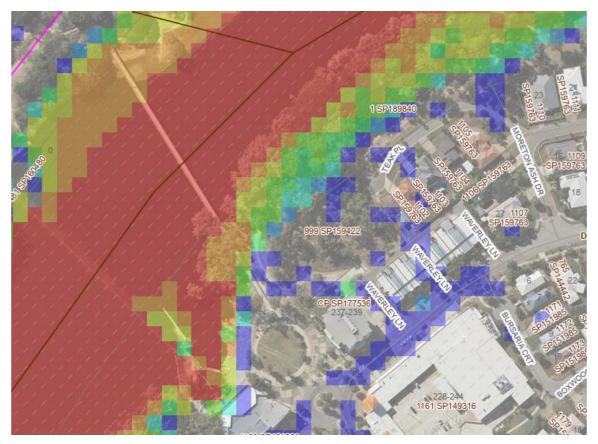


Figure 2.4 – 1%AEP Flood Map Extract (TCC Flood Mapping)

3. Proposed Development

3.1 Site Plan

The proposed development consists of clearing the site and construction of a new multi-storey residential development, refer Appendix A.

3.2 Site Earthworks & Finished Floor Levels

The existing site grades from Waverley Lane to Ross River, with an average grade of 8%. Site profiling will largely follow the existing fall direction with maximum allowable grades to minimise fill and achieve the compliant pavement grades. Retaining walls up to 3m are anticipated as part of this development. As the ground levels of all buildings will be carparks and the site is not affected by a defined flood event, there is no requirement for the levels to be above a defined flood level. Levels will be based to achieve compliant off-street parking grades in accordance with AS2890.1, and to minimise earthworks within the site.

3.3 Site Stormwater Drainage

The proposed development will result in filling and reshaping of the site. An internal drainage system will be employed to capture runoff from all hardstand and roofed surfaces to a Stormwater Quality Treatment Device (SQID), prior to discharging to the Lawful Point of Discharge for the site, being the Ross River.

4. Site Based Stormwater Management Plan

4.1 Existing Stormwater Infrastructure

The site discharges overland from Waverley Street down towards the Ross River. There are currently no connections to council drainage infrastructure from the site. The closest drainage infrastructure exists along the western boundary of the site. It is not anticipated that this development will connect to this infrastructure.



Figure 4.1 - Infrastructure Asset Extract (TCC Mapping)

4.2 External Catchments

The contours from Townsville City Council Mapping show there is an existing external catchment from the adjacent site on the southern side. The external catchment size is approximately 500m², which is indicated in Figure 4.2 below. Any internal stormwater infrastructure will be designed to take this external catchment into account.

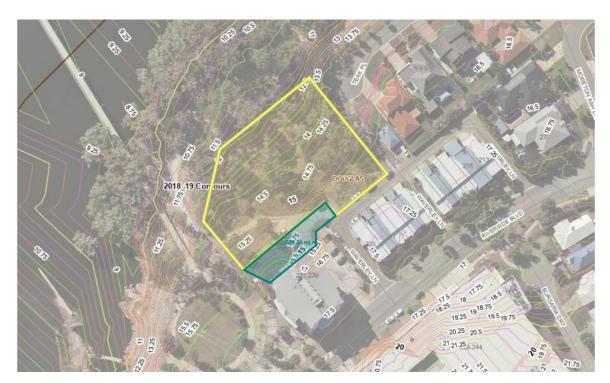


Figure 4.2 - Contour Overlay Extract (TCC Mapping)

4.3 Stormwater Runoff & Detention

Townsville City Council Planning Scheme Policy – SC6.4.9 Stormwater Quantity, identifies the provisions for the minor and major systems design criteria for different zonings. The Major drainage system is to be designed for the 1% AEP while the Minor system in to be in accordance with Table SC6.4.9.1 below.

Table SC6.4.9.1 - Minor System Design AEP and Average Recurrence Interval (ARIN

Development Category	ARI (yrs)	AEP
Residential	2	39%
Commercial - Lower order (district centre and below)	2	39%
Commercial - Other (excluding Lower order commercial and Principal centre)	5	18%
Industrial	5	18%
Principal Centre (CBD)	10	10%
Rural Residential	20	5%
Parks and recreation areas (excluding community facilities)	1	1EY

The proposed unit development changes the zoning of the site from Open Space to High Density Residential under the planning scheme. This represents an increase in permissible fraction impervious area from 0.2 to 0.9 in accordance with Table SC6.4.9.2 below.

Table SC6.4.9.2 - Design AEPs and Fraction Impervious for Land Use Zones

Development Category	Land use	Fraction impervious (fi)
Residential zones category	Low density residential	0.65
	Medium density residential	0.7
	High density residential	0.9
	Rural residential	0.6
	Character residential	0.55
Centre zones category	Nieghbourhood centre	0.9
	Local centre	0.9
	District centre	0.9
	Major centre	1.0
	Principal centre (CBD)	1.0
	Specialised centre	0.9
	Mixed use	0.9
Community facilities and Open space zone category	Sport & recreation	0.2
	Open space	0.2
	Community facilities	0.95
	Environmental management & conservation	0.4
Industry zones category	Low impact industry	0.9
	Medium impact industry	0.9
	High impact industry	8.0
Rural zones category	Rural	0.1
Other zones category	Emerging community	-
	Special purpose	-

Under ordinary conditions, this would trigger the requirement for on-site detention to remediate the increase in impervious area, however, as the development is located immediately upstream of the Ross River with no downstream infrastructure to attenuate flows for, there is no requirement to detain site runoff.

4.4 Stormwater Quality

In accordance with the requirements of the State Planning Policy – July2017, the Assessment Benchmarks for Water Quality, the proposed development site is greater than 2,500m2 in size and therefore the site does exceed the criteria for requiring permanent methods of stormwater quality control.

Assessment benchmarks – water quality

These performance outcomes apply to the following development applications, to the extent the SPP has not been identified in a local planning instrument as being appropriately integrated.

For receiving waters, a development application for:

- a material change of use for an urban purpose that involves premises 2500 metres² or greater in size and;
 - (a) will result in six or more dwellings; or
 - (b) will result in an impervious area greater than 25 per cent of the net developable area; or
- (2) reconfiguring a lot for an urban purpose that involves premises 2500 metres² or greater in size and will result in six or more lots; or
- (3) operational works for an urban purpose that involves disturbing a land area 2500 metres² or greater in size.

For water supply buffer areas, a development application:

- (4) located wholly outside an urban area and relating to premises that is within, or partly within, a water supply buffer area, that involves:
 - (a) a material change of use for the intensive animal industry, medium and high-impact industry, noxious and hazardous industry, extractive industry, utility installation that involves sewerage services, drainage or stormwater services, waste management facilities, or motor sport facility; or
 - (b) reconfiguring a lot to create five or more additional lots if any resultant lot is less than 16 hectares in size, and any of the lots created will rely on on-site wastewater treatment.

The following requirements are assessment benchmarks for the development:

- Development is located, designed, constructed and operated to avoid or minimise adverse impacts on environmental values arising from:
 - (a) altered stormwater quality and hydrology
 - (b) waste water
 - (c) the creation or expansion of non-tidal artificial waterways
 - (d) the release and mobilisation of nutrients and sediments.
- (2) Development achieves the applicable stormwater management design objectives outlined in tables A and B (appendix 2)
- (3) Development in a water supply buffer area avoids adverse impacts on drinking water supply environmental values.

Further information in relation to these requirements is detailed in the water quality guidance material.

4.4.1 Pollutants of Concern

Ballatan	Development Phase		
Pollutant	Construction	Operation	
Litter	✓	✓	
Sediment	✓	unlikely	
Hydrocarbons (including oil and grease)	✓	✓	
Toxic materials (e.g. cement slurry, asphalt primer, solvents)	✓	unlikely	
pH altering substances (e.g. cement slurry and wash waters)	✓	unlikely	
Oxygen demanding substances (organic and chemical matter)	possibly	unlikely	
Nutrients (nitrogen and phosphorus)	✓	✓	
Pathogens / Faecal coliforms (bacteria and viruses)	possibly	unlikely	
Heavy metals (often associated with fine sediment	unlikely	unlikely	
Surfactants (e.g. detergents from car washing)	unlikely	possibly	
Thermal pollution (heat)	unlikely	unlikely	

Table 4.1 – Pollutants Likely to be of Most Concern

4.4.2 Design Objectives for Water Management

The Environmental Protection (Water) Policy 1997 provides a framework for identifying environmental values and associated water quality objectives; this framework is consistent with the efficient use of resources and best practice environmental management and involves the community through consultation and consideration of economic and social impact assessment. Environmental Values (EV) are a reflection of the qualities of a catchment that the community believes to be important. As such, environmental values are established through community consultation rather than through a scientific process. Once EV are established for a catchment, Water Quality Objectives (WQO) can be defined, which are meant to protect these values.

The water Quality Objectives for the proposed development are to be in accordance with State Planning Policy – Water Quality, as listed in the Townsville City Council's Planning Scheme Policy, SC6.4.10 Stormwater Quality.

Parameter	Statistic	Load Based Reduction	Water Quality Objectives
Total Suspended Solids (TSS)	Mean Range	80%	Less than 5mg/L
Total Phosphorous (TP)	Mean Range	65%	Less than 0.01 to 0.05mg/L
Total Nitrogen (TN)	Mean Range	40%	Less than 0.2 to 0.5mg/L
Gross Pollutants	_	90%	Retention of litter greater than 50mm for flows up to the 3-month ARI peak flow

Table 4.2 – Water Quality Objectives for Townsville

4.4.3 Proposed Treatment Train Analysis

The proposed development on the existing site has sufficient area available to dedicate to stormwater treatment devices to the new works.

Roof water will discharge via downpipes either directly to the pavement surface or directly into adjacent field inlet pits connected to the in-ground stormwater network.

The landscaped areas, concrete driveways and pavements will drain to the internal in-ground stormwater.

All grated field inlets will be fitted with filter baskets for removal of gross pollutants.

The total catchment then discharges to the existing Lawful Point of Discharge via an Atlanfilter unit (or equivalent). The Atlanfilter has been used for modelling purposes but may be substituted by another proprietary product with similar performance characteristics.

5. MUSIC Modelling

5.1 Model Parameters

Input	Data Used
Rainfall Station	32040 TOWNSVILLE
Rainfall Period	03/03/1953 – 31/03/2010
Mean Annual Rainfall (mm)	1031mm
Evapotranspiration	1857mm
Model Timestep	6 minutes
Rainfall Runoff Parameters*	Residential
Pollutant Parameters*	Residential (Split)

Table 5.1 - Basic MUSIC Model Parameters

5.2 Rainfall and Runoff Parameters

Parameter	Roof/ Road/Ground Level
Rainfall Threshold (mm/day)	1
Soil Storage Capacity (mm)	500
Soil Initial Storage (% of Capacity)	10
Field Capacity (mm)	200
Infiltration Capacity coefficient - a	211
Infiltration Capacity exponent - b	5.0
Initial Depth (mm)	50
Daily Recharge Rate (%)	28
Daily Baseflow Rate (%)	27
Daily Deep Seepage Rate (%)	0

Table 5.2 - Water By Design MUSIC Quantity Parameters for SEQ (Urban Residential) Appendix A

5.3 Pollutant Generation

In MUSIC, stormwater quality is characterized by event mean concentrations (EMC) for storm flows and base flows. In this study, the EMC were adopted from the Water by Design MUSIC Modelling Guidelines. The pollutants of concern that were assessed include total suspended solids (TSS), total phosphorous (TP) and total nitrogen (TN). The quality of stormwater runoff is characterised by inputting event mean concentrations (EMC) for storm flow and base flow conditions as well as the standard deviation of each EMC.

Pollutant concentrations are based on Urban Residential land use parameters.

Flore Toron	0 (7	TSS (log10 values)		TP (log10 values)		TN (log10 values)	
Flow Type	Surface Type	Mean	Std Dev.	Mean	Std Dev.	Mean	Std Dev.
Baseflow	Roof	0.00	0.00	0.00	0.00	0.00	0.00
	Roads	1.00	0.34	-0.97	0.31	0.20	0.20
	Ground level	1.00	0.39	-0.89	0.31	0.20	0.20
Stormflow	Roof	1.30	0.44	-0.89	0.31	0.26	0.23
	Roads	2.43	0.39	-0.30	0.31	0.26	0.23
	Ground level	2.18	0.39	-0.47	0.31	0.26	0.23

Table 5.3 - Water by Design MUSIC Modelling Parameters – Urban Residential Split Catchment

5.4 Results

The indicative layout of the MUSIC model and are shown below in Figures 5.1 and the perspective treatment effectives in Tables 5.4.



Figure 5.1 - Proposed Stormwater Treatment Train (MUSIC)

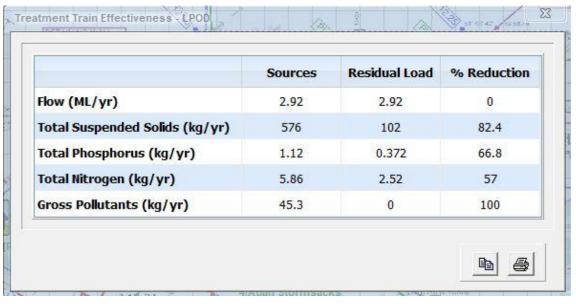


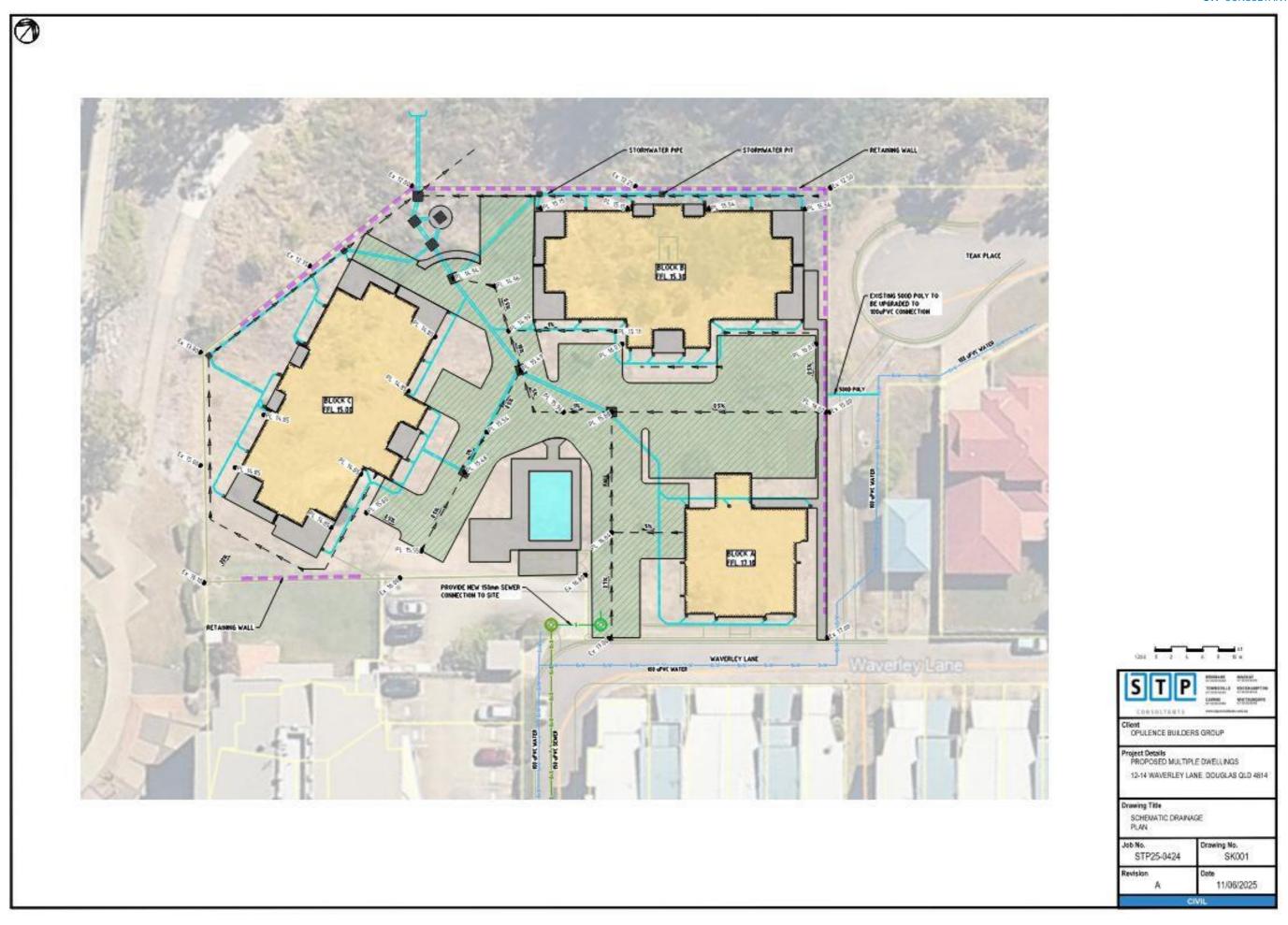
Table 5.4 - MUSIC Modelling Results

6. Discussion / Conclusion

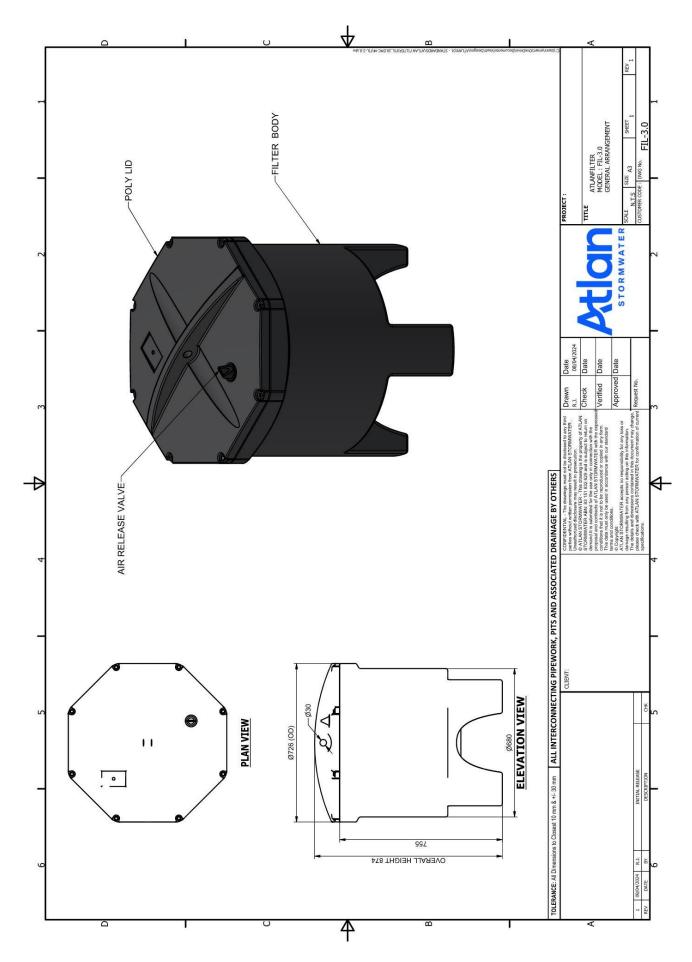
As demonstrated within the report, the proposed development can be undertaken, and a summary of the requirements are as follows:-

- The Defined Flood Event (DFE) with ARI 1 in 100 years is 12.07m AHD
- The non-habitable floor levels are to be at or above the DFE of 12.07m AHD, habitable floor levels are to be set to a minimum 300mm above the DFE at 12.37m AHD.
- The Minor Design Event is ARI 2 year 1 in 2 years
- The Major Design Event is ARI 100year 1 in 100 years
- No detention is required
- The site requires Stormwater Quality Treatment consisting of 4No. Atlan Stormsacks (or equivalent) in combination with the 5/AtlanFilters (or Equivalent) in an AtlanVault
- The Legal Point of Discharge is the Ross River.

Appendix A: Schematic Drainage Plan



Appendix B: Atlan Filter





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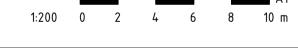
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Client
OPULENCE BUILDERS GROUP

Project Details
PROPOSED MULTIPLE DWELLINGS

12-14 WAVERLEY LANE, DOUGLAS QLD 4814

Drawing Title

SCHEMATIC DRAINAGE
PLAN

Job No.	Drawing No.
STP25-0424	SK001
Revision	Date
Α	11/06/2025
	CIVIL



Attachment 4

Document Set ID: 27247319 Version: 1, Version Date: 24/06/2025

PROPOSED MULTIPLE DWELLINGS OPULENCE BUILDERS GROUP 2-14 WAVERLEY LANE, DOUGLAS

PRELIMINARY NOT FOR CONSTRUCTION PLANS ARE SUBJECT TO CHANGE TO COMPLY WITH RELEVANT COVENANT & BUILDING CERTIFICATION APPROVALS

SHEET LIST | Issue DATE | Revision | Revision | Date | Current Revision Description | 17.04.25 | 1 | 2 | 29.05.25 | RESPONSE TO CERTIFIER | 17.04.25 | 1 | 4 | 06.06.25 | TRAFFIC TO TCC SKETCH | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.04.05 | 17.0 SITE PLAN - PROPOSED
 17.04.25
 1
 6
 10.06.25

 17.04.25
 1
 4
 06.06.25
 BCK A - FLOOR PLANS MECH SCHEDULE ADDED 04-B-01 BCK B - FLOOR PLAN - GROUND LEVEL 17.04.25 TRAFFIC TO TCC SKETCH BCK B - FLOOR PLAN - LEVEL 1 17.04.25 1 6 10.06.25 MECH SCHEDULE ADDED
 17.04.25
 1
 6
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 BCK B - FLOOR PLAN - LEVEL 2 17.04.25 04-B-04 BCK B - FLOOR PLAN - LEVEL 3 MECH SCHEDULE ADDED
 BLK C - FLOOR PLAN - GROUND LEVEL
 17.04.25
 1
 4
 06.06.25

 BLK C - FLOOR PLAN - LEVEL 01
 17.04.25
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 TRAFFIC TO TCC SKETCH 04-C-02 BLK C - FLOOR PLAN - LEVEL 01 6 10.06.25 MECH SCHEDULE ADDED
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 MECH SCHEDULE ADDED

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 MECH SCHEDULE ADDED
 04-C-03 BLK C - FLOOR PLAN - LEVEL 02 17.04.25 1 04-C-04 BLK C - FLOOR PLAN - LEVEL 03 6 10.06.25 MECH SCHEDULE ADDED 2 29.05.25 RESPONSE TO CERTIFIER 05-A-01 ELEVATIONS RESPONSE TO CERTIFIER RESPONSE TO CERTIFIER 2 29.05.25 RESPONSE TO CERTIFIER 17.04.25 05-B-02 ELEVATIONS 05-C-01 ELEVATIONS 29.05.25 RESPONSE TO CERTIFIER 2 29.05.25 RESPONSE TO CERTIFIER 05-C-02 ELEVATIONS AREA PLAN - GFA SCHEDULE 10.06.25 AREA SCHEDULES
 17.04.25
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 AREA SCHEDULES

 17.04.25
 1
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 10.06.25
 AREA SCHEDULES
 17.04.25

AREA PLAN - SITE

- USE FIGURED DIMENSIONS, DO NOT SCALE FROM DRAWINGS
- CONFIRM ALL RELEVANT DIMENSIONS, LEVELS AND DETAILS ON SITE PRIOR TO COMMENCEMENT OF ALL WORK. CONFIRM SETBACKS TO ALL ALIGNMENTS.
- THESE ARCHITECTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ENGINEERING AND OTHER CONSULTANT'S DRAWINGS AND SPECIFICATIONS. ANY DISCREPANCIES SHALL BE REFERRED TO THE BUILDING DESIGNERFOR DISCUSSION BEFORE PROCEEDING WITH THE WORK.
- DESIGN AND CONSTRUCTION TO COMPLY WITH CURRENT STANDARD BUILDING BY-LAWS, BUILDING ACT, BUILDING AMENDMENT ACT, BUILDING AND OTHER LEGISLATION AMENDMENT ACT, QUUENSLAND DDEVELOPMENT CODE, BUILDING CONDE OF AUSTRALIA, CURRENT AUSTRALIAN STANDARDS, STATUTORY REQUIREMENTS, ORDINACES,
- LOCAL GOVERNMENT REQUIREMENTS, RELEVANT BUILDING AUTHORITIES AND ALL CONTRACT DOCUMENTATION. CARRY OUT ALL WORK IN A SAFE MANNER IN ACCORDANCE WITH APPLICABLE STATUTORY REGULATIONS, BY-LAWS OR RULES. COMPLY WITH RELEVANT STATE OCCUPATIONAL HEALTH AND SAFETY ACTS INCLUDING ASSOCIATED REGULATIONS AND CODES OF PRACTISE. CONTRACTOR IS RESPONSIBLE FOR OCCUPATIONAL HEALTH AND SAFETY OF SITE PERSONNEL AND GENERAL PUBLIC IN ACCRODANCE WITH LEGISLATIVE REQUIREMENTS. INDUSTRIAL AGREEMENTS AND ACCEPTED
- INDUSTRY PRACTISE. TIMBER CONSTRUCTION TO COMPLY WITH AS1720. DOMESTIC TIMBER CONSTRUCTION IN NON-CYCLONIC LOCATIONS SHALL BE IN ACCORDANCE WITH AS1684.
- ALL BRICKWORK AND BLOCKWORK SHALL BE IN ACCORDANCE WITH AS3700.
- ALL PROPRIETARY PRODUCTS AND SYSTEMS TO BE INSTALLED TO MANUFACTURER'S SPECIFICATION AND INSTRUCTIONS.
- 10. GARAGE DOORS TO COMPLY WITH THE ABCB HOUSING PROVISION PART 2.2. GARAGE DOORS AND OTHER LARGE ACCESS DOORS IN OPENINGS NOT MORE THAN 3M IN
- HEIGHT IN EXTERNAL WALLS OF BUILDINGS DETERMINED AS BEING LOCATED IN WIND REGION C OR D IN ACCORDANCE WITH FIGURE 2.2.3: AS/NZS 4505. WHEN BUILDING IN A CORROSIVE ENVIROMENT, CORROSION PROTECTION IS TO COMPLY WITH SECTION 6.3.9 OF THE ABCB HOUSING PROVIONS
- THESE DRAWINGS ARE THE COPYRIGHT OF THE DESIGN HOUSE NQ AND MAY NOT BE USED, RETAINED OR REPRODUCED WITHOUT WRITTEN AUTHORITY 13. THESE DRAWINGS ARE FOR THE PURPOSE OF GAINING A BUILDING APPROVAL ONLY.

CLASS 1 & 2 BUILDINGS OR ASSESSABLE AND SELF-ASSESSABLE RENOVATIONS

LIGHTING - ENERGY EFFICIENT LIGHTING - WHICH IS A GLOBE WITH A MINIMUM OUTPUT OF 30 LUMENS/WATT INSTALLED TO A MINIMUM OF 80% OF THE TOTAL FIXED INTERNAL LIGHTING. EXCLUDING LAMPS RADIATING HEAT IN BATHROOMS.

NEW AND REPLACEMENT AIR-CONDITIONING TO HAVE ENERGY EFFICIENCY RATING TO MINIMUM 2.9

IN AREAS SERVICED BY A WATER SERVICE PROVIDER:-

- * SHOWER ROSES IN A AREA WITH A RETICULATED WATER SERVICE MUST BE MIN 3 STAR WELS RATED.
- st all toilet cisterns must have a dual flush function and have a min. Of 4 star wels rating which must be
- COMPATABLE WITH THE SIZE OF THE TOILET BOWL.
- * ALL TAPS SERVING LAUNDRY TUBS, KITCHEN SINKS AND BATHROOM BASINS MUST HAVE A 3 STARWELS RATING.

(WELS - 'WATER EFFICIENCY LABELLING AND STANDARDS')

(QDC - QUEENSLAND DEVEOPEMENT CODE)

(MP - MANDATORY PART) SUSTAINABLE BUILDING REQUIREMENTS @ 1 MARCH 2009 - CLASS 1 BUILDINGS

NEW WORK - HOT WATER SYSTEMS MUST BE SUPPLIED BY A:-

- SOLAR HOT WATER SYSTEM, OR HEAT PUMP HOT WATER SYSTEM OR GAS HOT WATER SYSTEM.

TANKS IF REQUIRED BY LOCAL AUTHORITY:

- 5000LTR FOR DETACHED CLASS 1, 3000LTR FOR OTHER THAN CLASS 1 DETACHED AS PER QDC MP 4.2 WATER SAVINGS TARGETS:-

- TO RECIEVE A MINIMUM ROOF AREA AT LEAST 100SQM OR ONE HALF OF THE TOTAL ROOF AREA WHICHEVER IS THE LESSER. - BE CONNECTED TO TOILET CISTERNS, WASHING MACHINE COLD WATER TAPS (OTHER THAN GREY WATER CONNS.) AND

EXTERNAL USE TAPS, REFER QDC MP 4.2 FOR VARIATIONS. PLUMBER TO REFER TO QDC MP 4.2 FOR COMPLETE TANKREQUIREMENTS

NOTES:

1. VERIFY ALL LEVELS & DIMENSIONS BEFORE COMMENCING ANY FABRICATION 2. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED 3. COMPLY WITH LOCAL AUTHORITY, STANDARD

BUILDING LAW AND ALL RELEVANT AUSTRALIAN STANDARDS & LEGISLATION 4. THIS DRAWING IS ONLY INTENDED TO OBTAIN

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29.05.25 RESPONSE TO CERTIFIER 17.04.25 PRELIMINARY **DESCRIPTION** REV ISSUE DATE

THE DESIGN HOUSE NQ m: 0423 623 647 a: 11 Cashell Crescent, Bushland Beach, QLD 4818 e: nathan@thedesignhousenq.com.au w: www.thedesignhousenq.com.au © COPYRIGHT QBCC LICENCE NO. 15046263 **BUILDING DESIGN OPEN RISE**

The Design House NQ Project: PROPOSED MULTIPLE **DWELLINGS**

Client: OPULENCE BUILDERS

GROUP

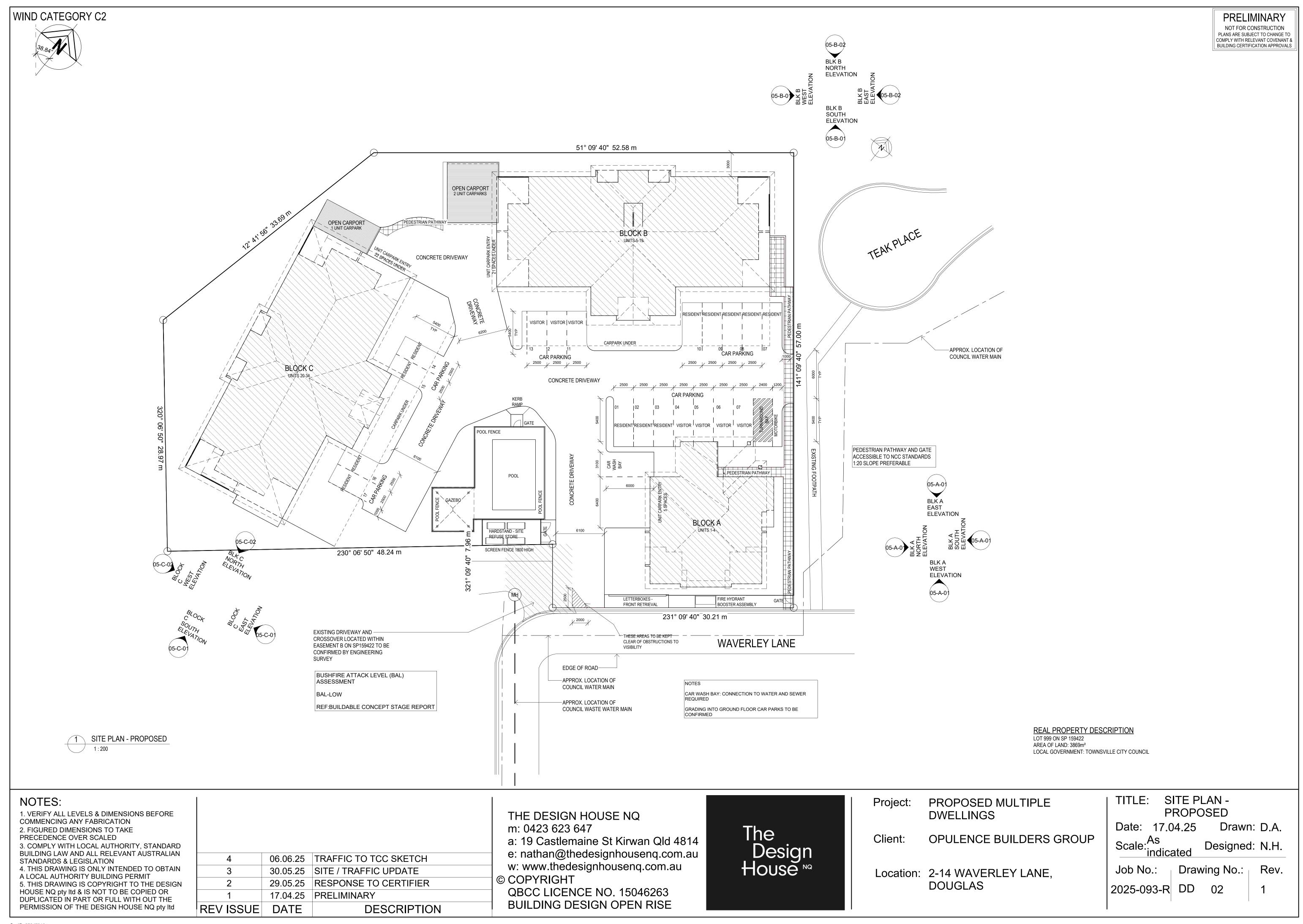
Location: 2-14 WAVERLEY LANE,

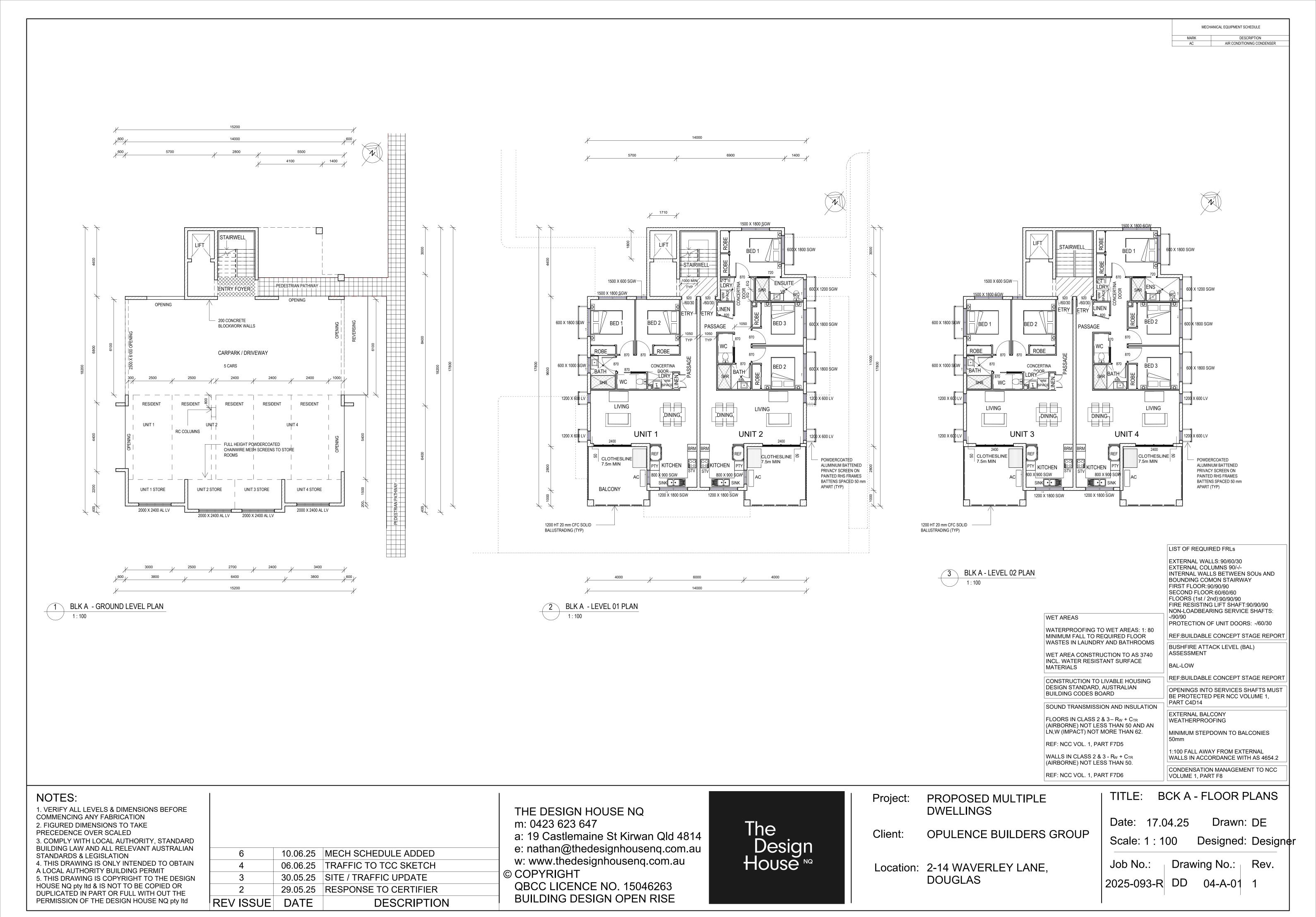
DOUGLAS

COVER PAGE

Date: Drawn: D.A. 17.04.25 Scale: Designed: N.H

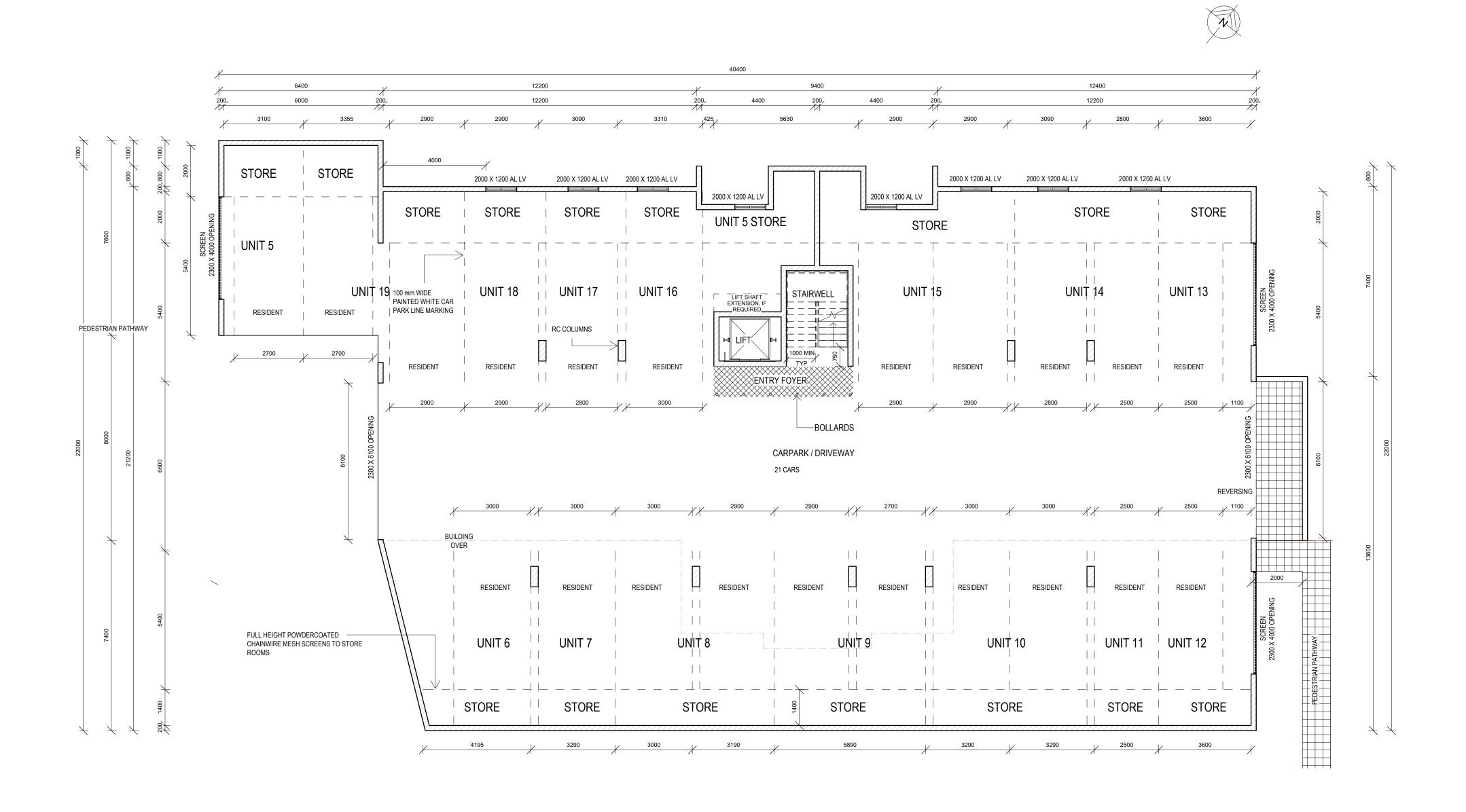
Drawing No.: Rev. Job No.: DD 01 2025-093-R





Version: 1, Version Date: 24/06/2025

Document Set ID: 27247319



1 BLK B - GROUND LEVEL PLAN
1:100

LIST OF REQUIRED FRLs

EXTERNAL WALLS: 90/60/30
EXTERNAL COLUMNS 90/-/INTERNAL WALLS BETWEEN SOUS AND
BOUNDING COMON STAIRWAY
FIRST FLOOR: 90/90/90
SECOND FLOOR: 60/60/60
FLOORS (1st / 2nd): 90/90/90
FIRE RESISTING LIFT SHAFT: 90/90/90
NON-LOADBEARING SERVICE SHAFTS: -/90/90
PROTECTION OF UNIT DOORS: -/60/30

REF:BUILDABLE CONCEPT STAGE REPORT

BUSHFIRE ATTACK LEVEL (BAL)

ASSESSMENT

L-LOW

BAL-LOW

REF:BUILDABLE CONCEPT STAGE REPORT

NOTES:

1. VERIFY ALL LEVELS & DIMENSIONS BEFORE COMMENCING ANY FABRICATION
2. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED
3. COMPLY WITH LOCAL AUTHORITY. STANDAR

3. COMPLY WITH LOCAL AUTHORITY, STANDARD BUILDING LAW AND ALL RELEVANT AUSTRALIAN STANDARDS & LEGISLATION
4. THIS DRAWING IS ONLY INTENDED TO OBTAIN

A LOCAL AUTHORITY BUILDING PERMIT

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4 06.06.25 TRAFFIC TO TCC SKETCH
3 30.05.25 SITE / TRAFFIC UPDATE
2 29.05.25 RESPONSE TO CERTIFIER
REV ISSUE DATE DESCRIPTION

THE DESIGN HOUSE NQ m: 0423 623 647

a: 19 Castlemaine St Kirwan Qld 4814

e: nathan@thedesignhousenq.com.au w: www.thedesignhousenq.com.au © COPYRIGHT

QBCC LICENCE NO. 15046263

BUILDING DESIGN OPEN RISE

The Design House ™ Project: PROPOSED MULTIPLE

DWELLINGS

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

TITLE: BCK B - FLOOR PLAN - GROUND LEVEL

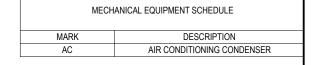
Date: 17.04.25 Drawn: DE

Scale: 1 : 100 Designed: Designer

Job No.:

Drawing No.: Rev.

2025-093-R DD 04-B-01 1





BLK B - LEVEL 01 PLAN

WET AREAS WATERPROOFING TO WET AREAS: 1: 80 MINIMUM FALL TO REQUIRED FLOOR

WASTES IN LAUNDRY AND BATHROOMS

WET AREA CONSTRUCTION TO AS 3740 INCL. WATER RESISTANT SURFACE MATERIALS

CONSTRUCTION TO LIVABLE HOUSING DESIGN STANDARD, AUSTRALIAN BUILDING CODES BOARD

SOUND TRANSMISSION AND INSULATION FLOORS IN CLASS 2 & 3 – R_W + C_{TR} (AIRBORNE) NOT LESS THAN 50 AND AN LN,W (IMPACT) NOT MORE THAN 62. REF: NCC VOL. 1, PART F7D5

WALLS IN CLASS 2 & 3 - R_W + C_{TR} (AIRBORNE) NOT LESS THAN 50. REF: NCC VOL. 1, PART F7D6

LIST OF REQUIRED FRLs EXTERNAL WALLS: 90/60/30 EXTERNAL COLUMNS 90/-/-INTERNAL WALLS BETWEEN SOUS AND BOUNDING COMON STAIRWAY FIRST FLOOR:90/90/90 SECOND FLOOR:90/90/90 THIRD FLOOR:60/60/60 FLOORS (1st - 3rd): 90/90/90 FIRE RESISTING LIFT SHAFT:90/90/90 NON-LOADBEARING SERVICE SHAFTS: PROTECTION OF UNIT DOORS: -/60/30

REF:BUILDABLE CONCEPT STAGE REPORT

BUSHFIRE ATTACK LEVEL (BAL)

ASSESSMENT BAL-LOW

REF:BUILDABLE CONCEPT STAGE REPORT OPENINGS INTO SERVICES SHAFTS MUST BE PROTECTED PER NCC VOLUME 1, PART C4D14

EXTERNAL BALCONY WEATHERPROOFING

MINIMUM STEPDOWN TO BALCONIES

1:100 FALL AWAY FROM EXTERNAL WALLS IN ACCORDANCE WITH AS 4654.2

CONDENSATION MANAGEMENT TO NCC VOLUME 1, PART F8

NOTES:

1. VERIFY ALL LEVELS & DIMENSIONS BEFORE COMMENCING ANY FABRICATION 2. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED

3. COMPLY WITH LOCAL AUTHORITY, STANDARD BUILDING LAW AND ALL RELEVANT AUSTRALIAN STANDARDS & LEGISLATION 4. THIS DRAWING IS ONLY INTENDED TO OBTAIN

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10.06.25 MECH SCHEDULE ADDED 29.05.25 RESPONSE TO CERTIFIER 2 REV ISSUE DATE **DESCRIPTION** THE DESIGN HOUSE NQ m: 0423 623 647

a: 19 Castlemaine St Kirwan Qld 4814 e: nathan@thedesignhousenq.com.au

w: www.thedesignhousenq.com.au

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Project: PROPOSED MULTIPLE **DWELLINGS**

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

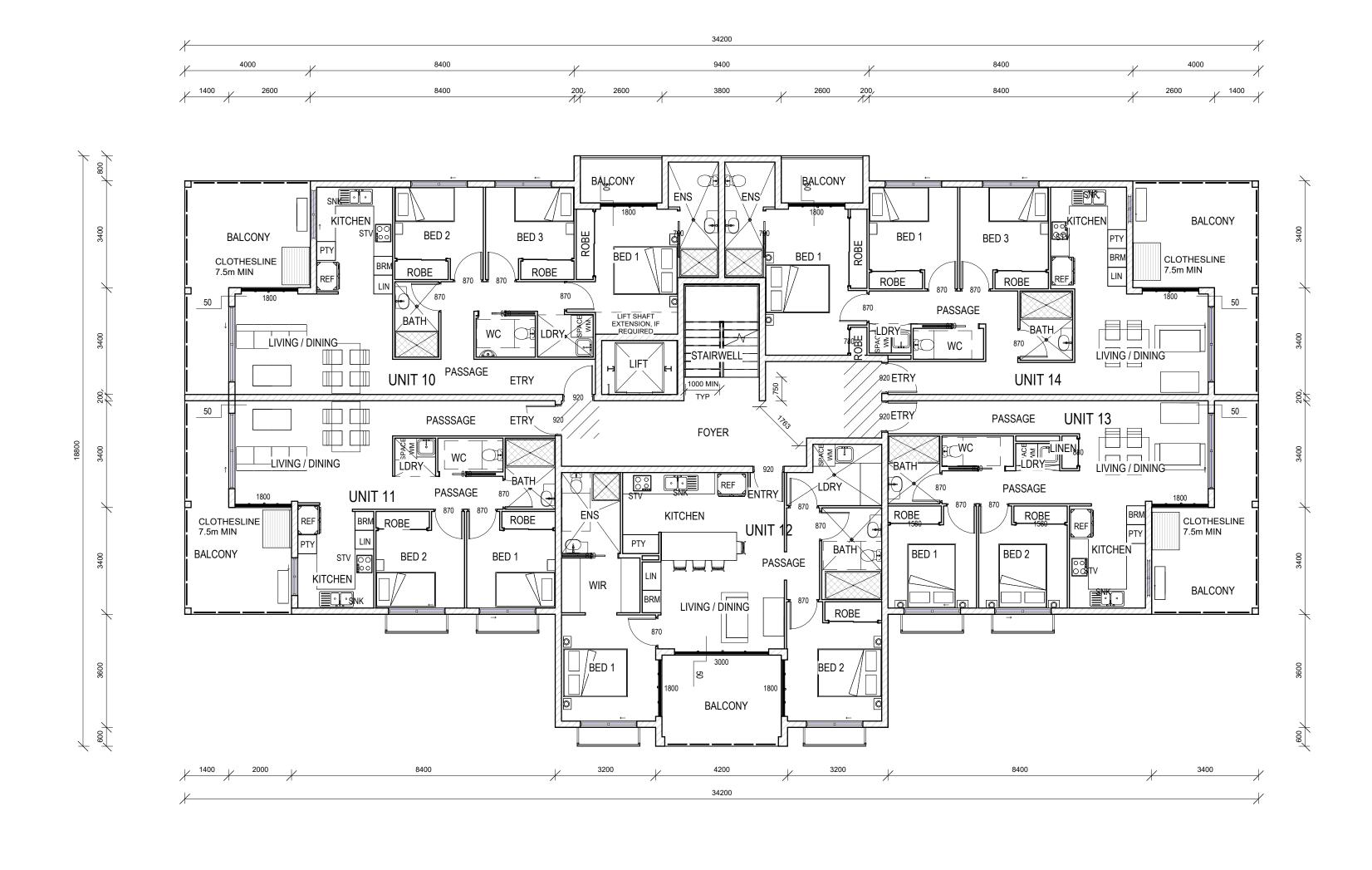
BCK B - FLOOR PLAN - LEVEL 1

Date: 17.04.25 Drawn: DE

Designed: Designer Scale: 1 : 100

Job No.: Drawing No.: Rev.

2025-093-R DD 04-B-02



1 BLK B - LEVEL 02 PLAN

THIRD FLOOR: 60/60/60 FLOORS (1st - 3rd): 90/90/90 FIRE RESISTING LIFT SHAFT:90/90/90 NON-LOADBEARING SERVICE SHAFTS: WET AREAS PROTECTION OF UNIT DOORS: -/60/30 WATERPROOFING TO WET AREAS: 1: 80 REF:BUILDABLE CONCEPT STAGE REPORT MINIMUM FALL TO REQUIRED FLOOR WASTES IN LAUNDRY AND BATHROOMS BUSHFIRE ATTACK LEVEL (BAL) ASSESSMENT WET AREA CONSTRUCTION TO AS 3740

MATERIALS CONSTRUCTION TO LIVABLE HOUSING DESIGN STANDARD, AUSTRALIAN BUILDING CODES BOARD

INCL. WATER RESISTANT SURFACE

REF: NCC VOL. 1, PART F7D6

PART C4D14 SOUND TRANSMISSION AND INSULATION EXTERNAL BALCONY FLOORS IN CLASS 2 & 3 – R_W + C_{TR} WEATHERPROOFING (AIRBORNE) NOT LESS THAN 50 AND AN LN,W (IMPACT) NOT MORE THAN 62. REF: NCC VOL. 1, PART F7D5 WALLS IN CLASS 2 & 3 - R_W + C_{TR}

MINIMUM STEPDOWN TO BALCONIES 1:100 FALL AWAY FROM EXTERNAL (AIRBORNE) NOT LESS THAN 50.

WALLS IN ACCORDANCE WITH AS 4654.2 CONDENSATION MANAGEMENT TO NCC VOLUME 1, PART F8

LIST OF REQUIRED FRLs

FIRST FLOOR:90/90/90 SECOND FLOOR:90/90/90

EXTERNAL WALLS: 90/60/30 EXTERNAL COLUMNS 90/-/-

BOUNDING COMON STAIRWAY

INTERNAL WALLS BETWEEN SOUS AND

REF:BUILDABLE CONCEPT STAGE REPORT

OPENINGS INTO SERVICES SHAFTS MUST

BE PROTECTED PER NCC VOLUME 1,

NOTES:

1. VERIFY ALL LEVELS & DIMENSIONS BEFORE COMMENCING ANY FABRICATION 2. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED

3. COMPLY WITH LOCAL AUTHORITY, STANDARD BUILDING LAW AND ALL RELEVANT AUSTRALIAN STANDARDS & LEGISLATION

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4. THIS DRAWING IS ONLY INTENDED TO OBTAIN 10.06.25 MECH SCHEDULE ADDED 29.05.25 RESPONSE TO CERTIFIER 2 REV ISSUE DATE PERMISSION OF THE DESIGN HOUSE NQ pty ltd **DESCRIPTION** THE DESIGN HOUSE NQ m: 0423 623 647

a: 19 Castlemaine St Kirwan Qld 4814 e: nathan@thedesignhousenq.com.au w: www.thedesignhousenq.com.au

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Project: PROPOSED MULTIPLE **DWELLINGS**

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

BCK B - FLOOR PLAN - LEVEL 2

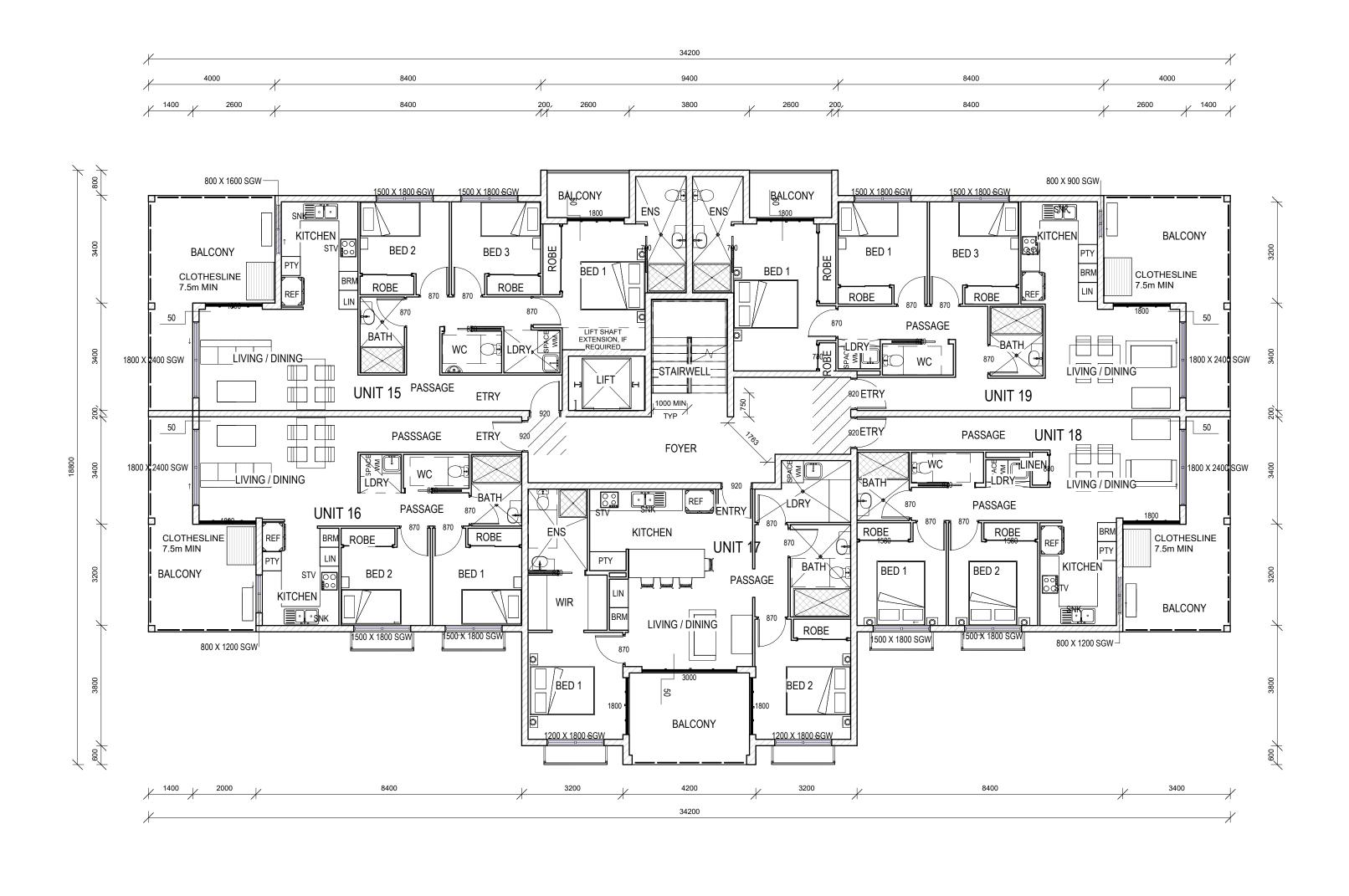
BAL-LOW

Drawn: Author Date: 17.04.25

Scale: 1:100 Designed: Designer

Job No.: Drawing No.: Rev. 2025-093-R DD 04-B-03

Version: 1, Version Date: 24/06/2025



BLK B - LEVEL 03 PLAN

BOUNDING COMON STAIRWAY FIRST FLOOR:90/90/90 SECOND FLOOR:90/90/90 THIRD FLOOR: 60/60/60 FLOORS (1st - 3rd): 90/90/90 FIRE RESISTING LIFT SHAFT:90/90/90 NON-LOADBEARING SERVICE SHAFTS: WET AREAS PROTECTION OF UNIT DOORS: -/60/30 WATERPROOFING TO WET AREAS: 1: 80 REF:BUILDABLE CONCEPT STAGE REPORT MINIMUM FALL TO REQUIRED FLOOR WASTES IN LAUNDRY AND BATHROOMS BUSHFIRE ATTACK LEVEL (BAL) ASSESSMENT

WET AREA CONSTRUCTION TO AS 3740 INCL. WATER RESISTANT SURFACE MATERIALS

CONSTRUCTION TO LIVABLE HOUSING DESIGN STANDARD, AUSTRALIAN BUILDING CODES BOARD SOUND TRANSMISSION AND INSULATION

FLOORS IN CLASS 2 & 3 – R_W + C_{TR} (AIRBORNE) NOT LESS THAN 50 AND AN LN,W (IMPACT) NOT MORE THAN 62. REF: NCC VOL. 1, PART F7D5 WALLS IN CLASS 2 & 3 - R_W + C_{TR} (AIRBORNE) NOT LESS THAN 50.

OPENINGS INTO SERVICES SHAFTS MUST BE PROTECTED PER NCC VOLUME 1, PART C4D14 EXTERNAL BALCONY

REF:BUILDABLE CONCEPT STAGE REPORT

WEATHERPROOFING MINIMUM STEPDOWN TO BALCONIES 1:100 FALL AWAY FROM EXTERNAL

WALLS IN ACCORDANCE WITH AS 4654.2 CONDENSATION MANAGEMENT TO NCC REF: NCC VOL. 1, PART F7D6 VOLUME 1, PART F8

LIST OF REQUIRED FRLs

EXTERNAL WALLS: 90/60/30 EXTERNAL COLUMNS 90/-/-

INTERNAL WALLS BETWEEN SOUS AND

NOTES:

1. VERIFY ALL LEVELS & DIMENSIONS BEFORE COMMENCING ANY FABRICATION 2. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED

3. COMPLY WITH LOCAL AUTHORITY, STANDARD BUILDING LAW AND ALL RELEVANT AUSTRALIAN STANDARDS & LEGISLATION 4. THIS DRAWING IS ONLY INTENDED TO OBTAIN

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10.06.25 MECH SCHEDULE ADDED 29.05.25 RESPONSE TO CERTIFIER 2 REV ISSUE DATE **DESCRIPTION** THE DESIGN HOUSE NQ m: 0423 623 647

a: 19 Castlemaine St Kirwan Qld 4814 e: nathan@thedesignhousenq.com.au w: www.thedesignhousenq.com.au

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Project: PROPOSED MULTIPLE **DWELLINGS**

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

BCK B - FLOOR PLAN -LEVEL 3

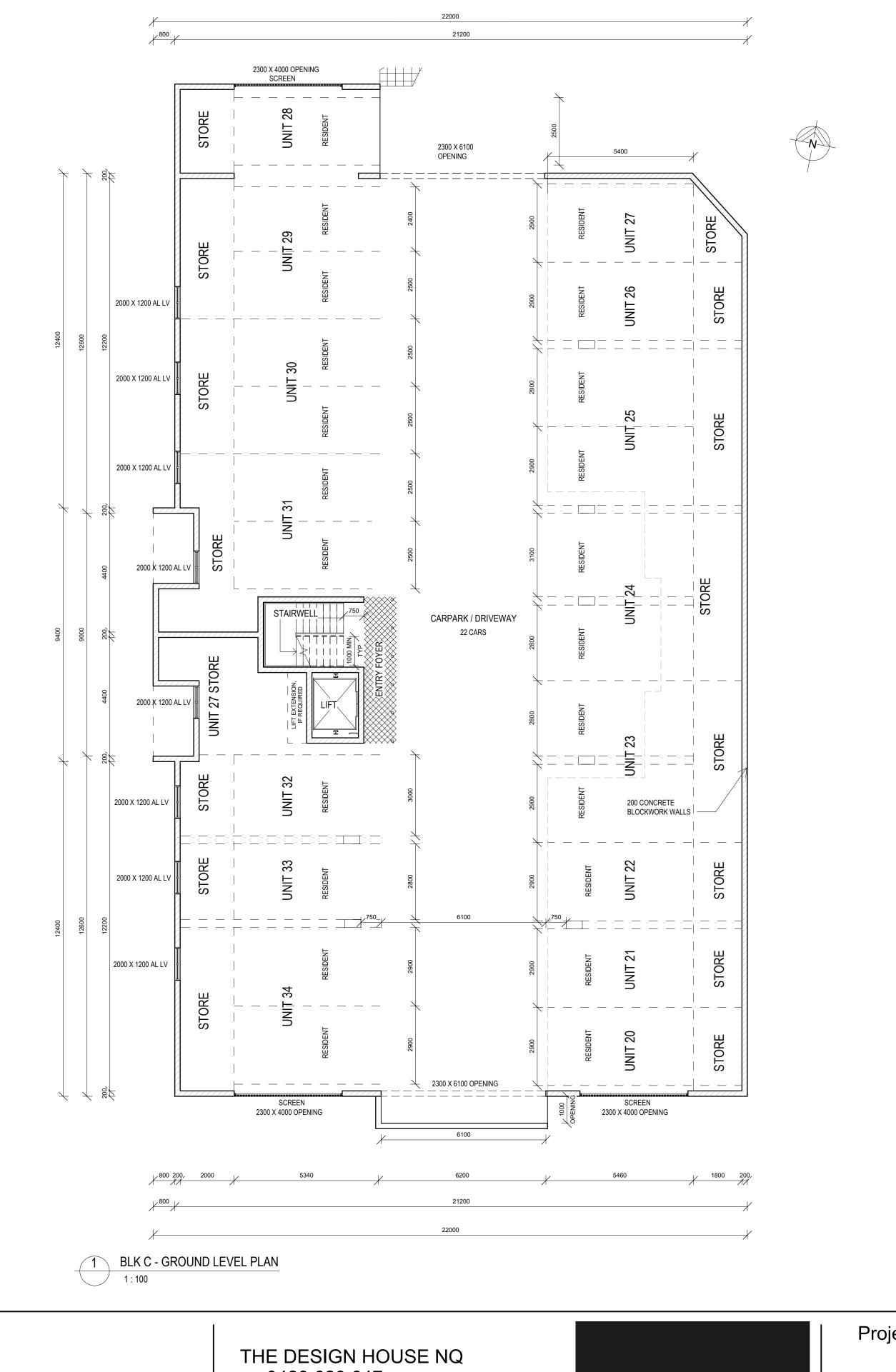
BAL-LOW

Date: 17.04.25 Drawn: DE

Designed: Designer Scale: 1:100

Job No.: Drawing No.: Rev. 2025-093-R DD 04-B-04

Document Set ID: 27247319 Version: 1, Version Date: 24/06/2025



LIST OF REQUIRED FRLs

EXTERNAL WALLS: 90/60/30 EXTERNAL COLUMNS 90/-/-INTERNAL WALLS BETWEEN SOUS AND BOUNDING COMON STAIRWAY FIRST FLOOR:90/90/90 SECOND FLOOR:90/90/90 THIRD FLOOR: 60/60/60 FLOORS (1st - 3rd): 90/90/90 FIRE RESISTING LIFT SHAFT:90/90/90 NON-LOADBEARING SERVICE SHAFTS:

REF:BUILDABLE CONCEPT STAGE REPORT

PROTECTION OF UNIT DOORS: -/60/30

BUSHFIRE ATTACK LEVEL (BAL) ASSESSMENT

REF:BUILDABLE CONCEPT STAGE REPORT

NOTES:

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06.06.25 TRAFFIC TO TCC SKETCH 30.05.25 SITE / TRAFFIC UPDATE 29.05.25 RESPONSE TO CERTIFIER REV ISSUE DATE **DESCRIPTION**

m: 0423 623 647

a: 19 Castlemaine St Kirwan Qld 4814 e: nathan@thedesignhousenq.com.au w: www.thedesignhousenq.com.au

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Project: PROPOSED MULTIPLE

DWELLINGS

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

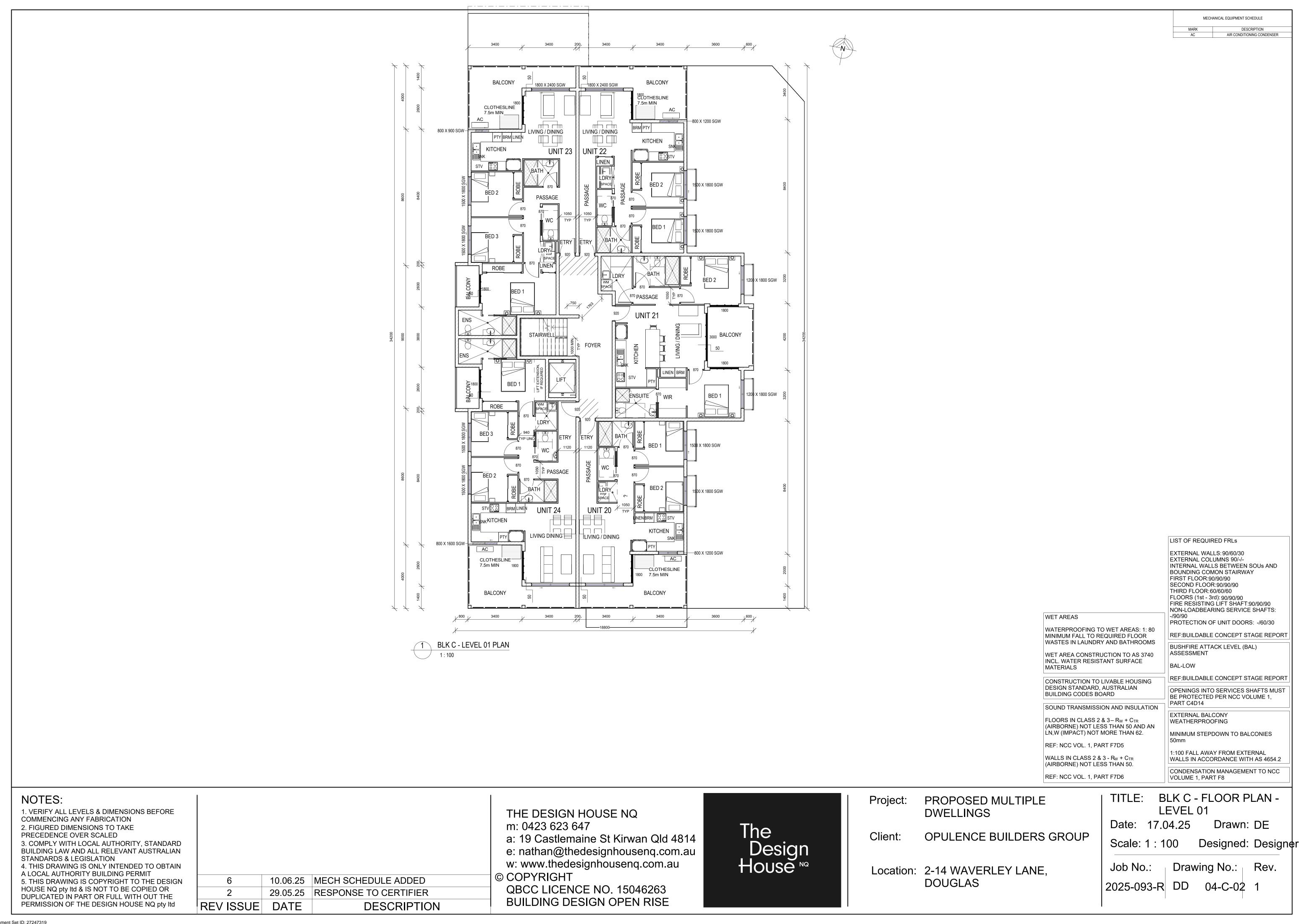
DOUGLAS

BLK C - FLOOR PLAN -**GROUND LEVEL**

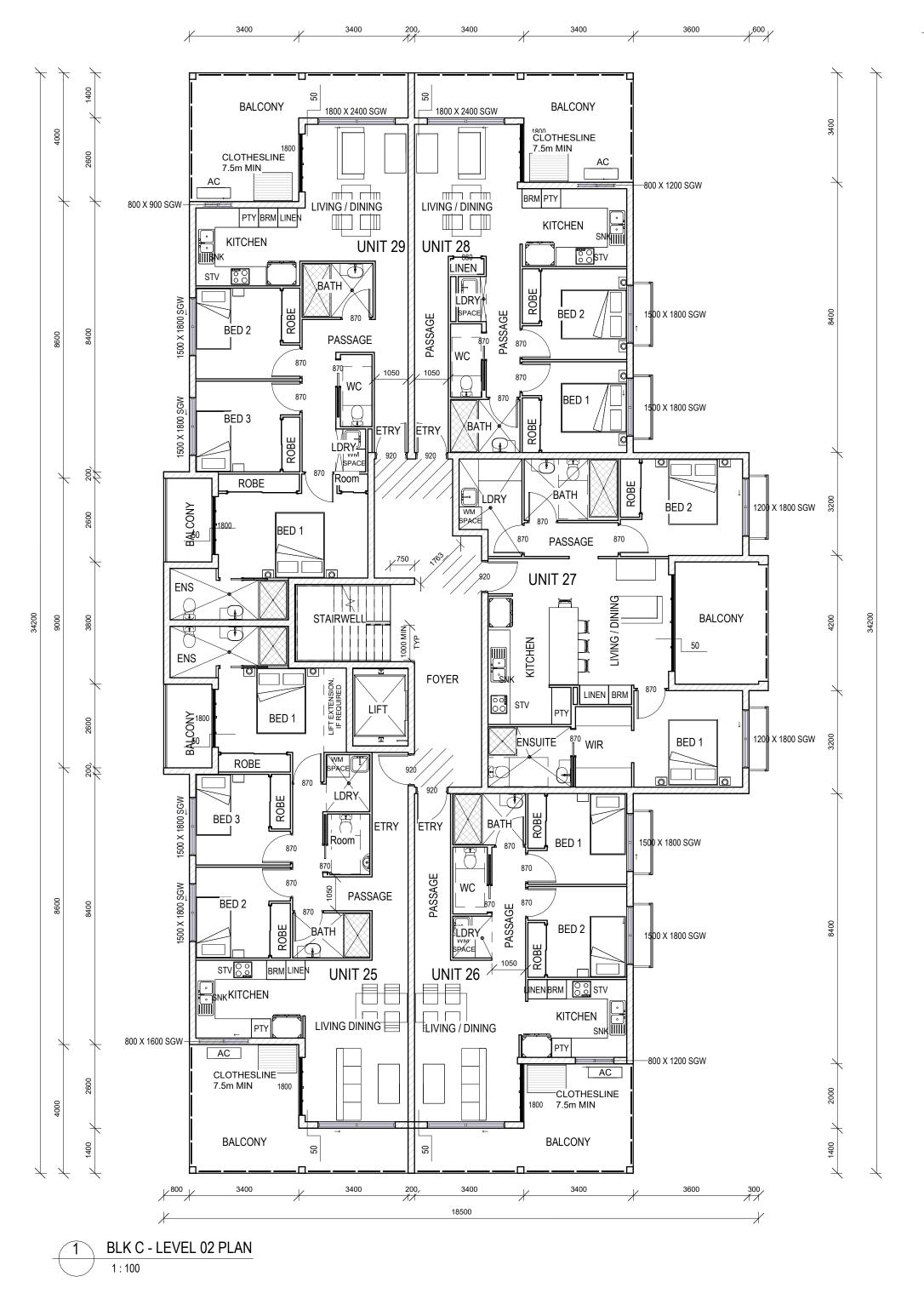
Drawn: Author Date: 17.04.25

Designed: Designer Scale: 1:100

Job No.: Drawing No.: Rev. 2025-093-R DD 04-C-01



MECHANICAL EQUIPMENT SCHEDULE



INTERNAL WALLS BETWEEN SOUS AND BOUNDING COMON STAIRWAY FIRST FLOOR:90/90/90 SECOND FLOOR:90/90/90 THIRD FLOOR: 60/60/60 FLOORS (1st - 3rd): 90/90/90 FIRE RESISTING LIFT SHAFT:90/90/90 NON-LOADBEARING SERVICE SHAFTS: WET AREAS PROTECTION OF UNIT DOORS: -/60/30 WATERPROOFING TO WET AREAS: 1: 80

LIST OF REQUIRED FRLs

EXTERNAL WALLS: 90/60/30 EXTERNAL COLUMNS 90/-/-

WASTES IN LAUNDRY AND BATHROOMS BUSHFIRE ATTACK LEVEL (BAL) ASSESSMENT WET AREA CONSTRUCTION TO AS 3740 INCL. WATER RESISTANT SURFACE BAL-LOW MATERIALS

CONSTRUCTION TO LIVABLE HOUSING DESIGN STANDARD, AUSTRALIAN BUILDING CODES BOARD

MINIMUM FALL TO REQUIRED FLOOR

OPENINGS INTO SERVICES SHAFTS MUST BE PROTECTED PER NCC VOLUME 1, PART C4D14 SOUND TRANSMISSION AND INSULATION EXTERNAL BALCONY FLOORS IN CLASS 2 & 3 – R_W + C_{TR} (AIRBORNE) NOT LESS THAN 50 AND AN WEATHERPROOFING

LN,W (IMPACT) NOT MORE THAN 62. REF: NCC VOL. 1, PART F7D5 WALLS IN CLASS 2 & 3 - R_W + C_{TR} (AIRBORNE) NOT LESS THAN 50.

REF: NCC VOL. 1, PART F7D6

MINIMUM STEPDOWN TO BALCONIES

1:100 FALL AWAY FROM EXTERNAL WALLS IN ACCORDANCE WITH AS 4654.2 CONDENSATION MANAGEMENT TO NCC VOLUME 1, PART F8

REF:BUILDABLE CONCEPT STAGE REPORT

REF:BUILDABLE CONCEPT STAGE REPORT

NOTES:

1. VERIFY ALL LEVELS & DIMENSIONS BEFORE COMMENCING ANY FABRICATION 2. FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED

3. COMPLY WITH LOCAL AUTHORITY, STANDARD BUILDING LAW AND ALL RELEVANT AUSTRALIAN STANDARDS & LEGISLATION 4. THIS DRAWING IS ONLY INTENDED TO OBTAIN

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10.06.25 MECH SCHEDULE ADDED 29.05.25 RESPONSE TO CERTIFIER 2 REV ISSUE DATE **DESCRIPTION** THE DESIGN HOUSE NQ m: 0423 623 647

a: 19 Castlemaine St Kirwan Qld 4814 e: nathan@thedesignhousenq.com.au

w: www.thedesignhousenq.com.au

© COPYRIGHT QBCC LICENCE NO. 15046263 **BUILDING DESIGN OPEN RISE** The Design

Project: PROPOSED MULTIPLE **DWELLINGS**

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

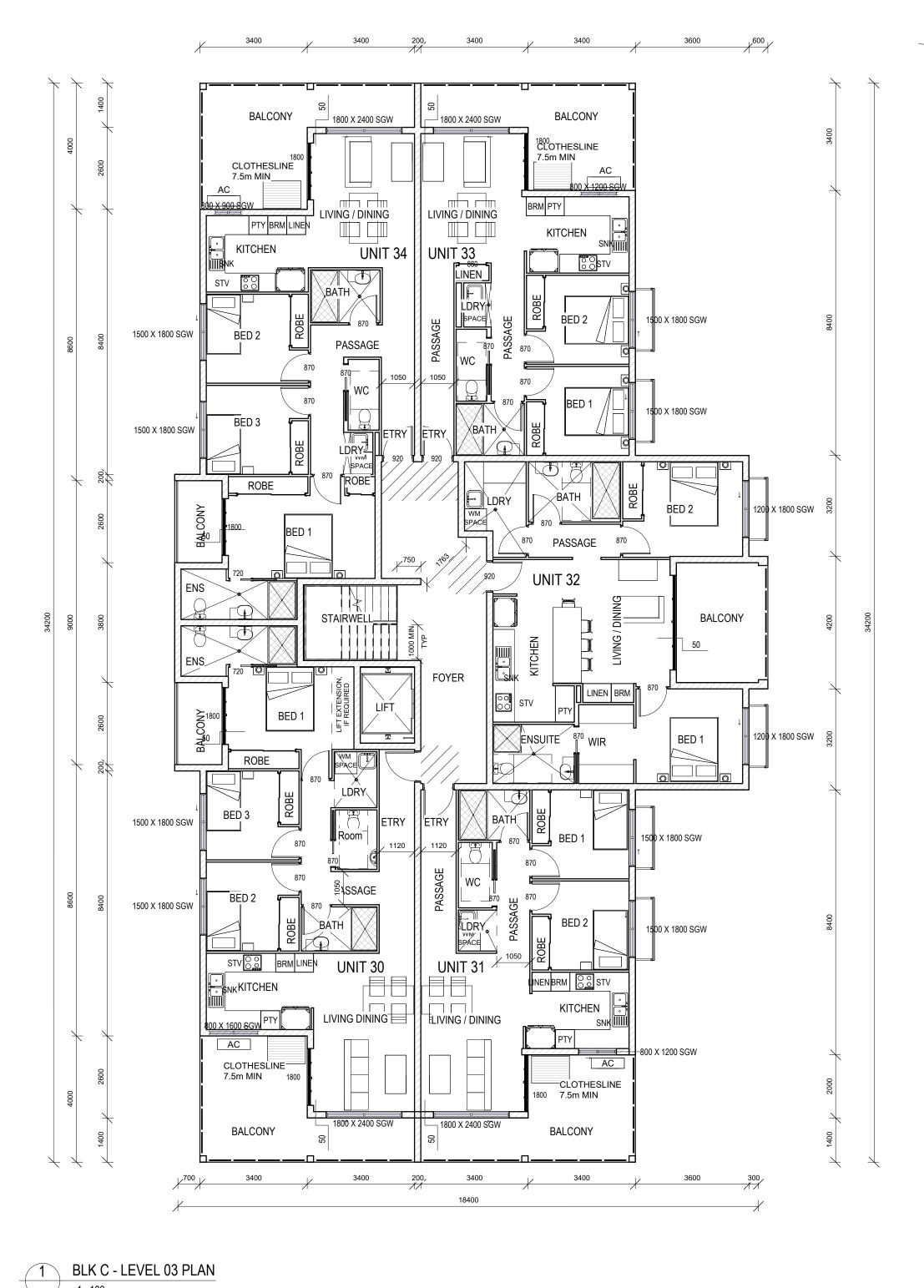
BLK C - FLOOR PLAN -LEVEL 02

Drawn: Author Date: 17.04.25 Scale: 1:100 Designed: Designer

Rev. Job No.: Drawing No.:

2025-093-R DD 04-C-03

MECHANICAL EQUIPMENT SCHEDULE



WET AREAS WATERPROOFING TO WET AREAS: 1: 80

WASTES IN LAUNDRY AND BATHROOMS WET AREA CONSTRUCTION TO AS 3740 INCL. WATER RESISTANT SURFACE MATERIALS

MINIMUM FALL TO REQUIRED FLOOR

CONSTRUCTION TO LIVABLE HOUSING DESIGN STANDARD, AUSTRALIAN BUILDING CODES BOARD

SOUND TRANSMISSION AND INSULATION FLOORS IN CLASS 2 & 3 – R_W + C_{TR} (AIRBORNE) NOT LESS THAN 50 AND AN

LN,W (IMPACT) NOT MORE THAN 62. REF: NCC VOL. 1, PART F7D5 WALLS IN CLASS 2 & 3 - R_W + C_{TR}

(AIRBORNE) NOT LESS THAN 50. REF: NCC VOL. 1, PART F7D6

EXTERNAL WALLS: 90/60/30 EXTERNAL COLUMNS 90/-/-INTERNAL WALLS BETWEEN SOUS AND BOUNDING COMON STAIRWAY FIRST FLOOR:90/90/90 SECOND FLOOR:90/90/90 THIRD FLOOR: 60/60/60 FLOORS (1st - 3rd): 90/90/90 FIRE RESISTING LIFT SHAFT:90/90/90 NON-LOADBEARING SERVICE SHAFTS: PROTECTION OF UNIT DOORS: -/60/30

LIST OF REQUIRED FRLs

REF:BUILDABLE CONCEPT STAGE REPORT

BUSHFIRE ATTACK LEVEL (BAL) ASSESSMENT BAL-LOW

REF:BUILDABLE CONCEPT STAGE REPORT OPENINGS INTO SERVICES SHAFTS MUST BE PROTECTED PER NCC VOLUME 1, PART C4D14

EXTERNAL BALCONY WEATHERPROOFING

MINIMUM STEPDOWN TO BALCONIES

1:100 FALL AWAY FROM EXTERNAL WALLS IN ACCORDANCE WITH AS 4654.2 CONDENSATION MANAGEMENT TO NCC

Rev.

VOLUME 1, PART F8 BLK C - FLOOR PLAN -

OPULENCE BUILDERS GROUP

PROPOSED MULTIPLE

LEVEL 03

Date: 17.04.25 Drawn: DE Scale: 1 : 100 Designed: Designer

Job No.:

Drawing No.: 2025-093-R DD 04-C-04

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QBCC LICENCE NO. 15046263 **BUILDING DESIGN OPEN RISE** The Design

DWELLINGS

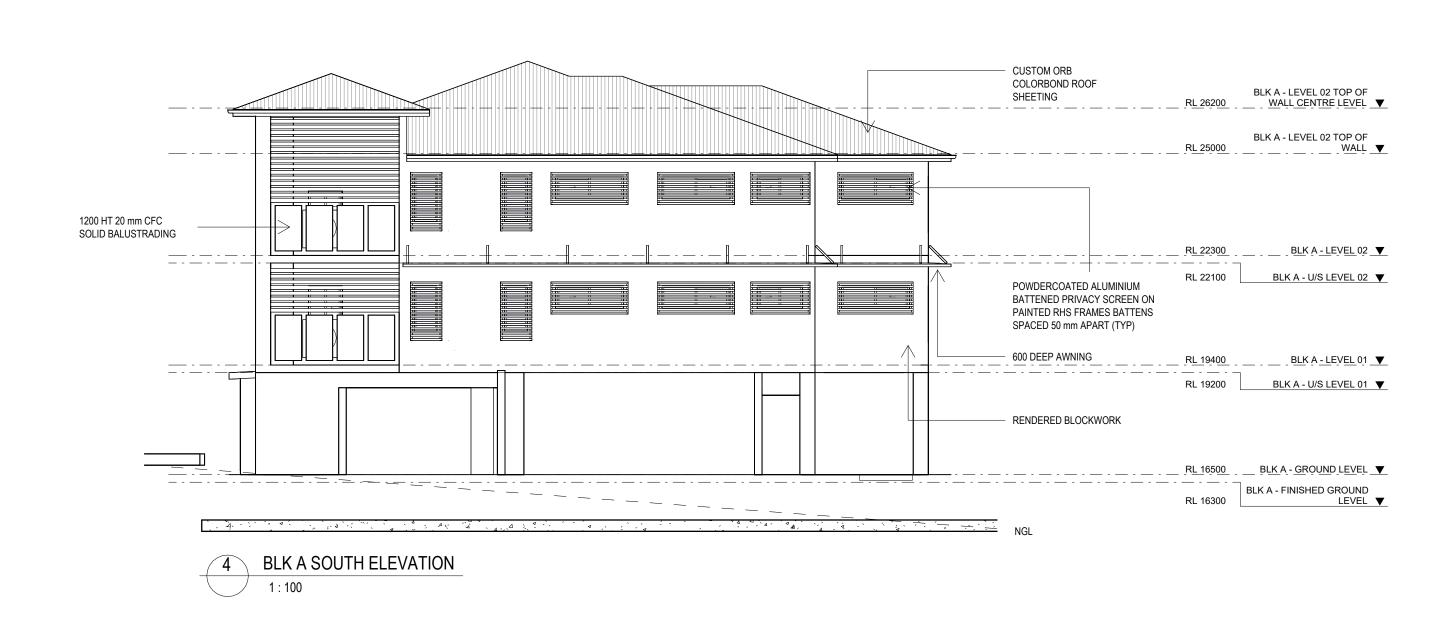
Project:

Client:









NOTES:

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BUILDING DESIGN OPEN RISE

The Design House

PROPOSED MULTIPLE Project:

DWELLINGS

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

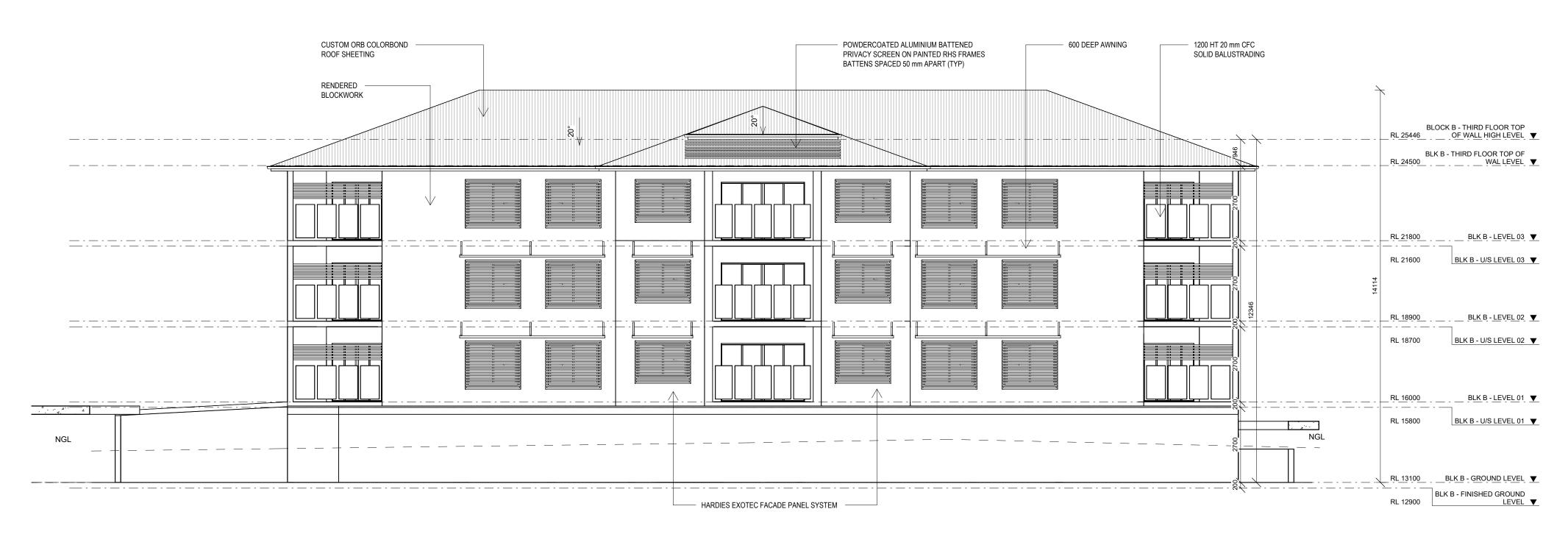
DOUGLAS

TITLE: ELEVATIONS

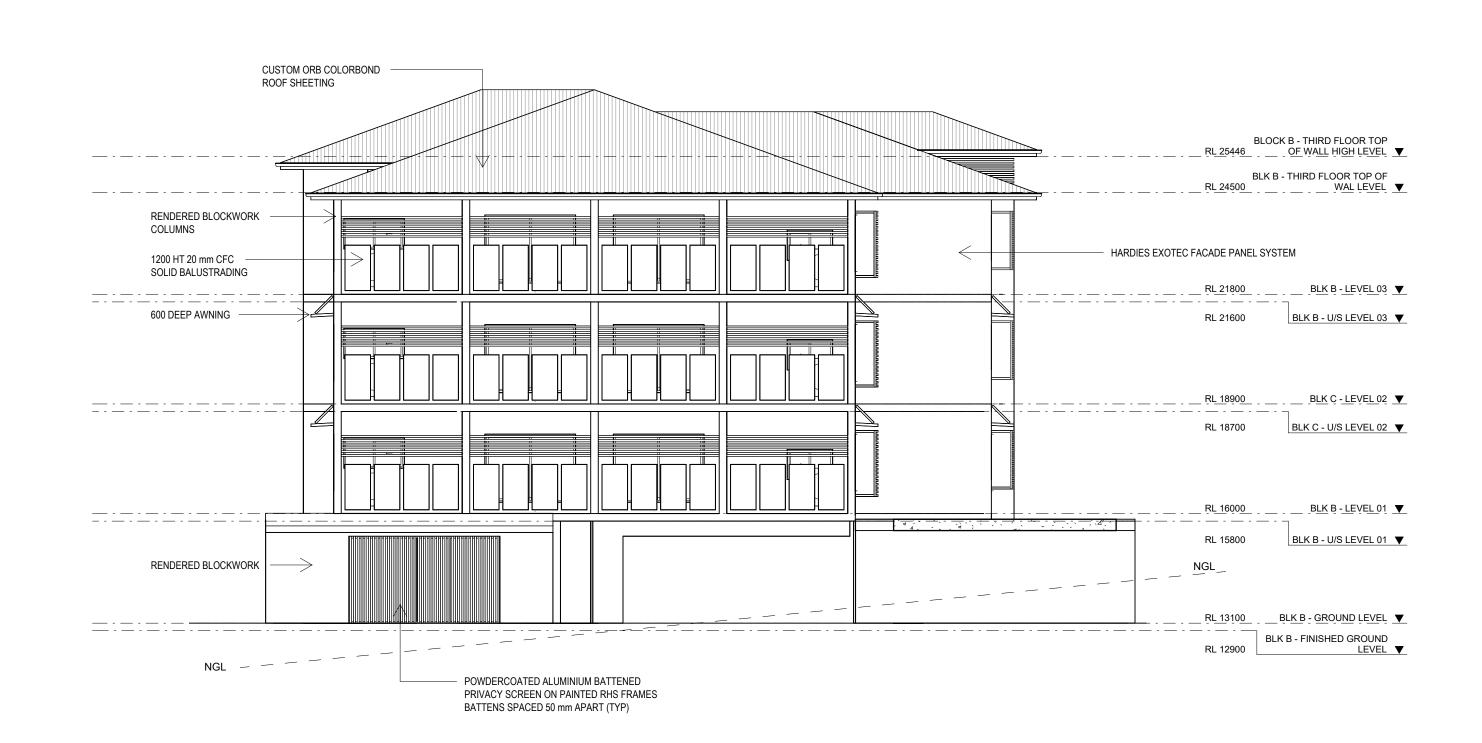
Drawn: Author Date: 17.04.25 Designed: Designer Scale: 1:100

Job No.: Drawing No.: Rev. 2025-093-R DD 05-A-01

Document Set ID: 27247319 Version: 1, Version Date: 24/06/2025



2 BLK B SOUTH ELEVATION



1 BLK B WEST ELEVATION

NOTES:

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29.05.25 RESPONSE TO CERTIFIER **DESCRIPTION**

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Project: PROPOSED MULTIPLE

DWELLINGS

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

TITLE: ELEVATIONS

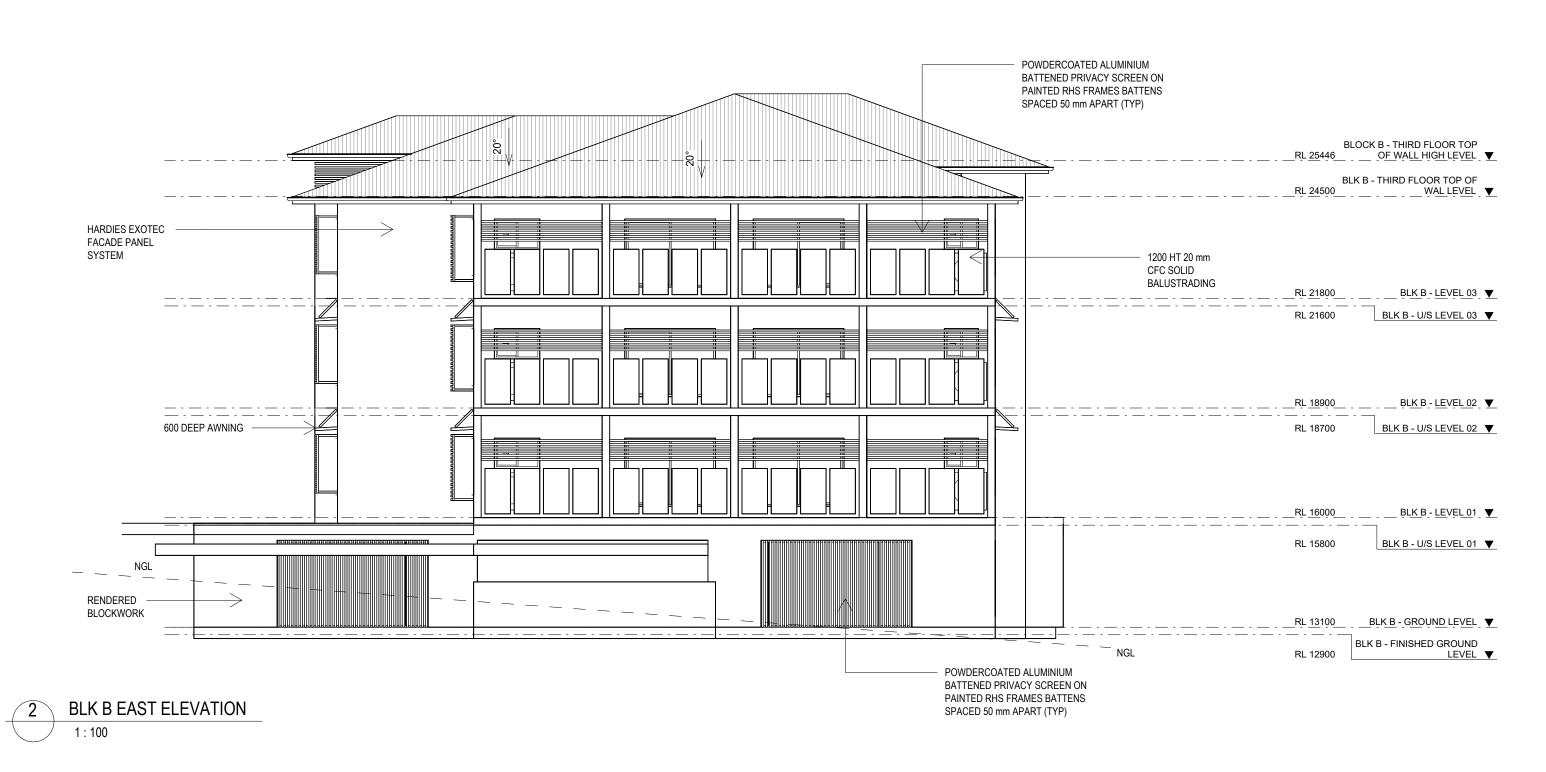
Drawn: Author Date: 17.04.25 Designed: Designer Scale: 1:100

Job No.: Drawing No.: Rev. 2025-093-R DD

05-B-01

Document Set ID: 27247319 Version: 1, Version Date: 24/06/2025





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QBCC LICENCE NO. 15046263 **BUILDING DESIGN OPEN RISE** The Design House NQ

Project: PROPOSED MULTIPLE

DWELLINGS

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

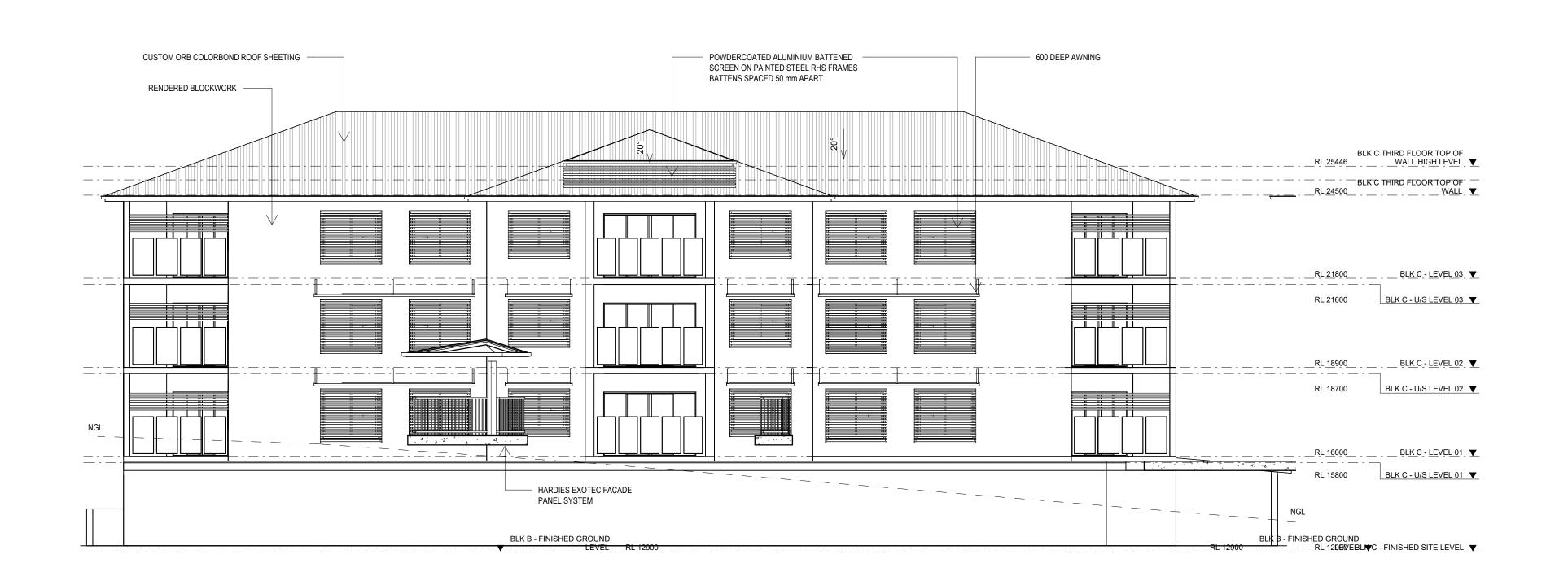
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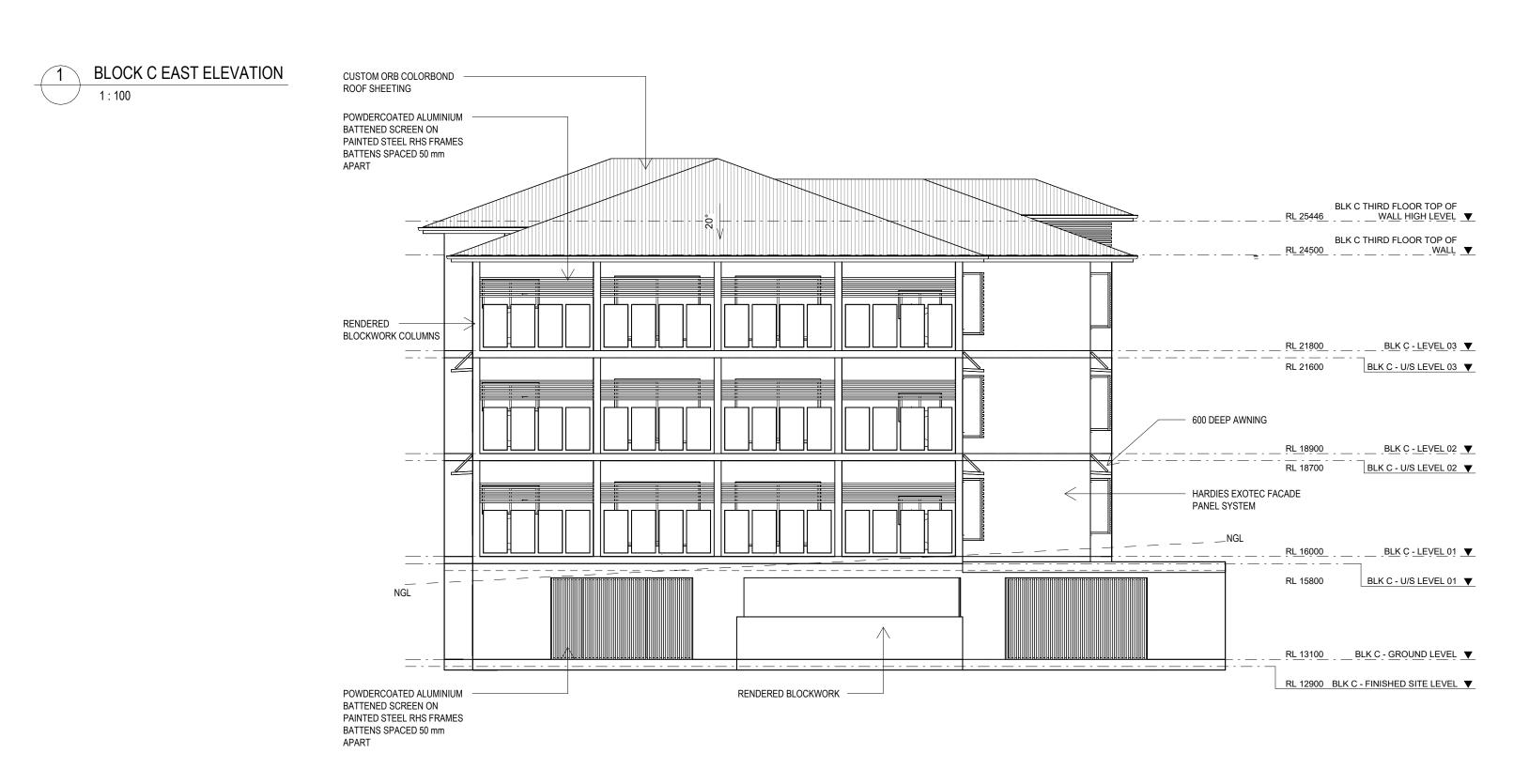
Drawn: Author Date: 17.04.25

Designed: Designer Scale: 1:100

Rev. Job No.: Drawing No.: 2025-093-R DD 05-B-02 1

Version: 1, Version Date: 24/06/2025





2 BLOCK C SOUTH ELEVATION 1:100

NOTES:

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29.05.25 RESPONSE TO CERTIFIER REV ISSUE DATE DESCRIPTION THE DESIGN HOUSE NQ m: 0423 623 647

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Project: PROPOSED MULTIPLE

DWELLINGS

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

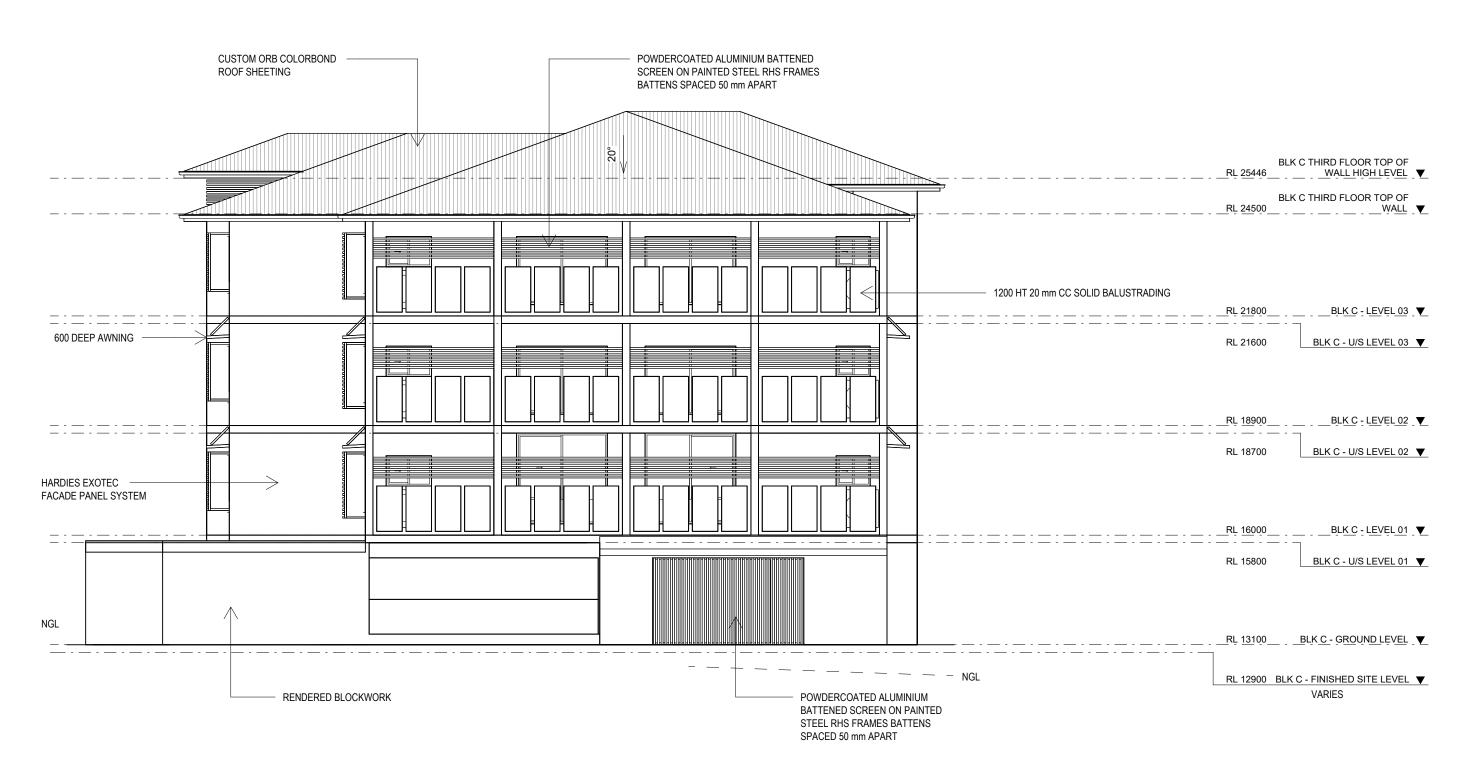
TITLE: ELEVATIONS

Drawn: Author Date: 17.04.25 Designed: Designer Scale: 1:100

Rev. Job No.: Drawing No.:

2025-093-R DD 05-C-01





2 BLK C NORTH ELEVATION 1:100

NOTES:

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29.05.25 RESPONSE TO CERTIFIER REV ISSUE DATE DESCRIPTION THE DESIGN HOUSE NQ m: 0423 623 647

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BUILDING DESIGN OPEN RISE

The Design House NQ

Project: PROPOSED MULTIPLE

DWELLINGS

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

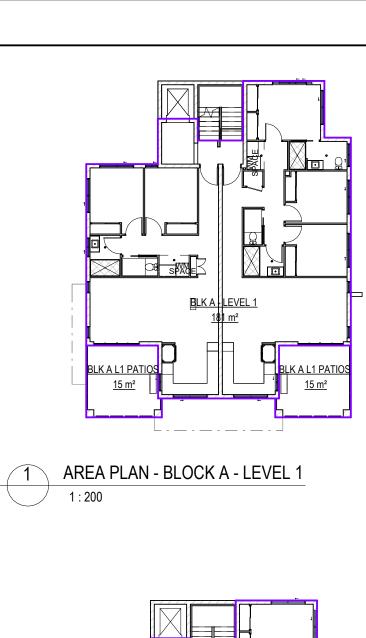
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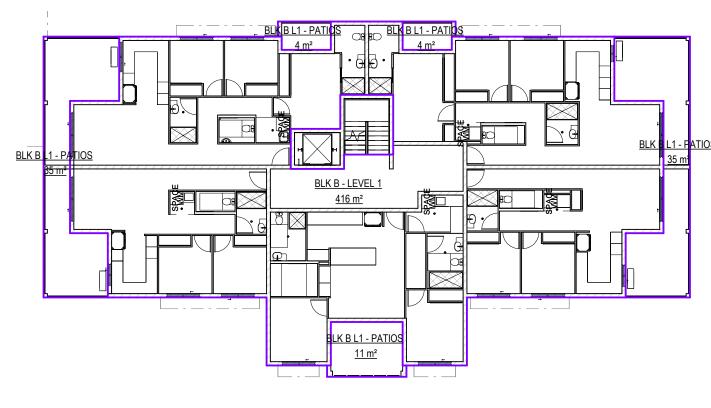
Drawn: Author Date: 17.04.25 Designed: Designer Scale: 1:100

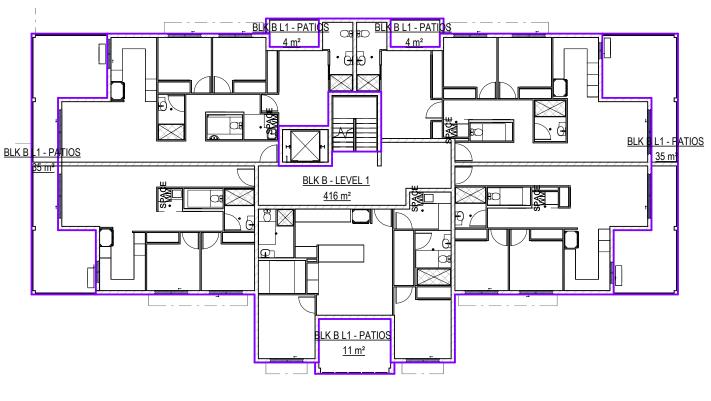
Job No.: Drawing No.: Rev.

2025-093-R DD 05-C-02 1

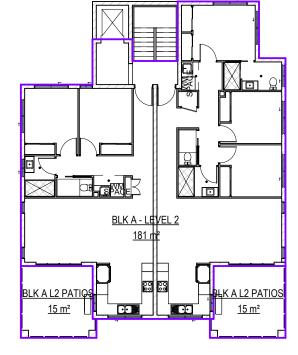
Version: 1, Version Date: 24/06/2025



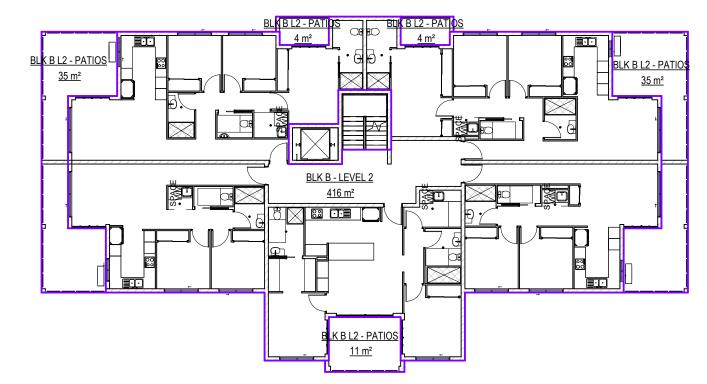




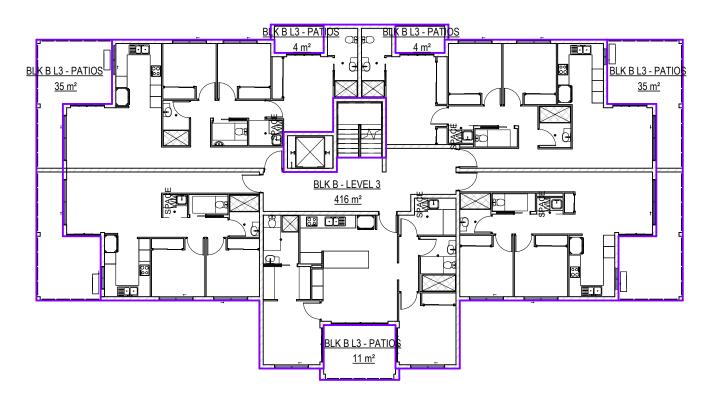
3 AREA PLAN - BLOCK B - LEVEL 1



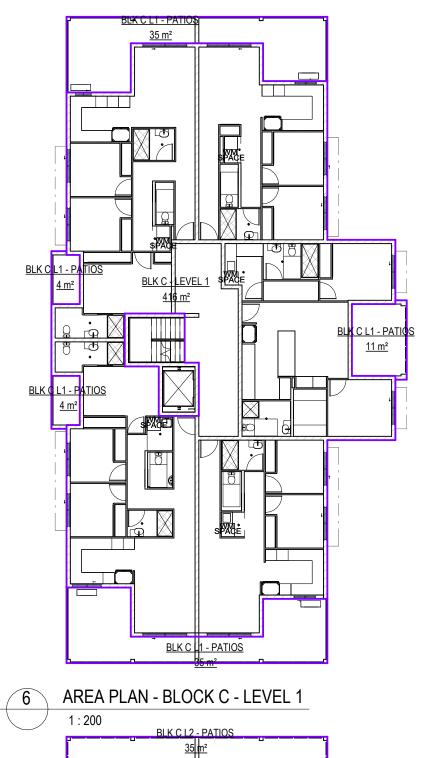
2 AREA PLAN - BLOCK A - LEVEL 2 1:200

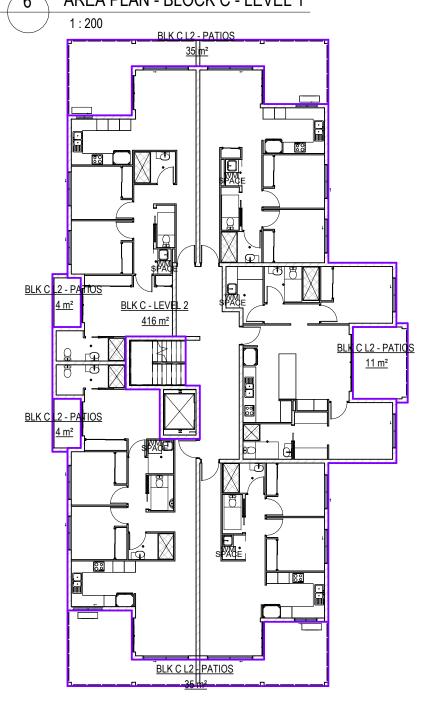


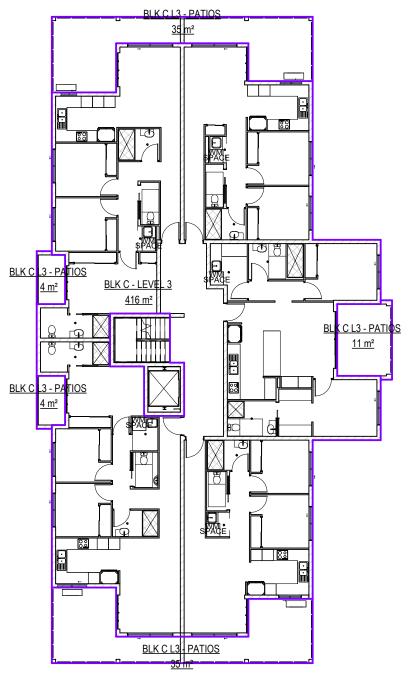
4 AREA PLAN - BLOCK B - LEVEL 2



5 AREA PLAN - BLOCK B - LEVEL 3







8 AREA PLAN - BLOCK C - LEVEL 3

GROSS FLOOR AREA SCHEDULE - BUILDING A			
NAME	AREA		
BLK A - LEVEL 1	181 m²		
BLK A - LEVEL 2	181 m²		
BLK A L1 PATIOS	29 m²		
BLK A L2 PATIOS	29 m²		
Grand total 421 m ²			

GROSS FLOOR AREA SCHEDULE - BUILDING B				
NAME	AREA			
BLK B - LEVEL 1	416 m²			
BLK B - LEVEL 2	416 m²			
BLK B - LEVEL 3	416 m²			
BLK B L1 - PATIOS	89 m²			
BLK B L2 - PATIOS	89 m²			
BLK B L3 - PATIOS	89 m²			
Grand total 1517 m ²				

GROSS FLOOR AREA SCHEDULE - BUILDING C				
NAME AREA				
BLK C - LEVEL 1	416 m²			
BLK C - LEVEL 2	416 m²			
BLK C - LEVEL 3	416 m²			
BLK C L1 - PATIOS	89 m²			
BLK C L2 - PATIOS	89 m²			
BLK C L3 - PATIOS	89 m²			
Grand total	1517 m²			

GROSS FLOOR AREA SCHEDULE - SUMMARY				
Description AREA				
BLOCK A GFA	421 m²			
BLOCK B GFA	1517 m²			
BLOCK C GFA	1517 m²			
Grand total	3455 m²			

NOTES:

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10.06.25 AREA SCHEDULES REV ISSUE DATE **DESCRIPTION**

THE DESIGN HOUSE NQ m: 0423 623 647

a: 19 Castlemaine St Kirwan Qld 4814

7 AREA PLAN - BLOCK C - LEVEL 2

e: nathan@thedesignhousenq.com.au w: www.thedesignhousenq.com.au © COPYRIGHT

QBCC LICENCE NO. 15046263 **BUILDING DESIGN OPEN RISE**



Project: PROPOSED MULTIPLE **DWELLINGS**

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

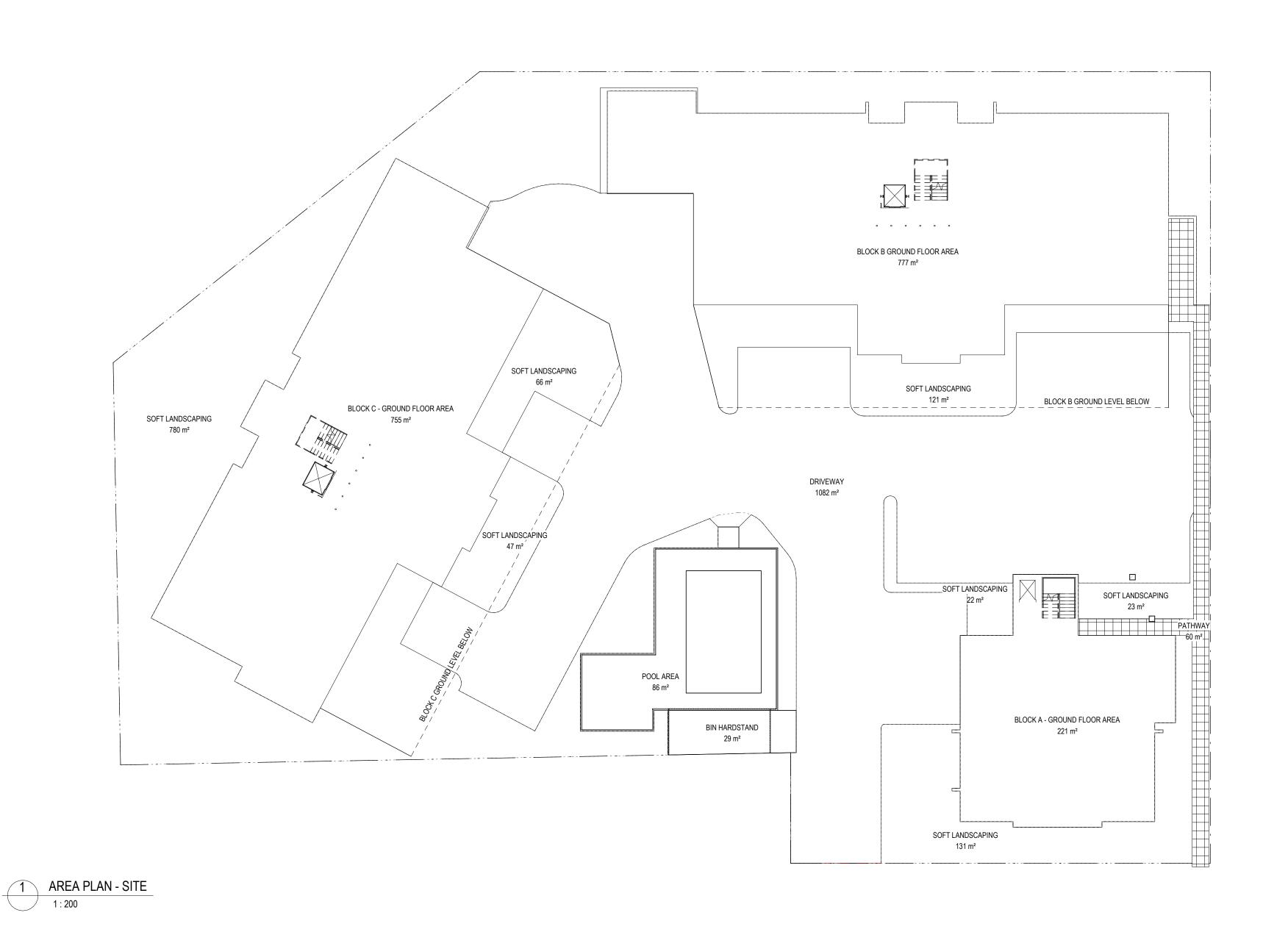
DOUGLAS

AREA PLAN - GFA SCHEDULE

Drawn: DE Date: 17.04.25 Scale: 1 : 200 Designed: NH

Drawing No.: Rev. Job No.: 2025-093-R DD 13

Document Set ID: 27247319 Version: 1, Version Date: 24/06/2025



AREA SCHEDULE - GROUND LEVEL ENCLOSURE

Comments Area

BLOCK A - GROUND LEVEL AREA 221 m²

BLOCK B - GROUND LEVEL AREA 777 m²

BLOCK C - GROUND LEVEL AREA 755 m²

REAL PROPERTY DESCRIPTION

LOT 999 ON SP 159422

AREA OF LAND: 3869m²

LOCAL GOVERNMENT: TOWNSVILLE CITY COUNCIL

NOTES:

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5 10.06.25 AREA SCHEDULES
REV ISSUE DATE DESCRIPTION

THE DESIGN HOUSE NQ m: 0423 623 647

m: 0423 623 647 a: 19 Castlemaine St Kirwan Qld 4814

e: nathan@thedesignhousenq.com.au w: www.thedesignhousenq.com.au

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QBCC LICENCE NO. 15046263
BUILDING DESIGN OPEN RISE

The Design House ™ Project: PROPOSED MULTIPLE

DWELLINGS

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

| TITLE: AREA PLAN - SITE

Date: 17.04.25 Drawn: DE
Scale: 1:200 Designed: NH

Scale: 1: 200 Design

Job No.: Drawing No.:

2025-093-R DD 14

14

Rev.

PERMISSION OF THE DESIGN HOUSE NQ pty Itd



Attachment 5

Document Set ID: 27247319 Version: 1, Version Date: 24/06/2025

FORM 9 Version 2

Land Title Act 1994 and Land Act 1994

EASEMENT

QUEENSLAND LAND REGISTRY
Page 1 of 1

706979916

\$102.50 11/09/2003 15:46 Stamp Duty Imprint

Queensland Duty Paid \$ 1-50
On the Amount of \$ 1-50

Duty Code TRER

MAYORAYOI

EXECUTIVE OFFICER

13A:TCR:10 Transaction Number 567/05

			Sign	ed: Kampas 11/9/03
1.	Grantor TOWNSVILLE CITY COUNCIL		_	ne, address & phone number Lodger Code
2.	Description of Easement/Lot Servient Tenement (burdened land)	County	Parish	Title Reference
	Easement B in Lot 1285 on SP159422 *Dominant Tenement (benefited land)	Elphinstone	Stuart	
* no	Lot 999 on SP159422	Elphinstone	Stuart	
3.	Interest being burdened	*4.	Interest being b	enefited
	Fee Simple	* no!	Fee Simple t applicable if easemer	nt in gross
5.	Grantee Given names	Surname/Company		(include tenancy if more than one) Not Applicable
6.	Consideration \$1.00	7.	Purpose of ease Access Easemen	
8.	Grant/Execution			
stat # th # th # st	e Grantor for the above consideration grants ted in item 7 and the Grantor and Grantee of the attached schedule the attached schedule and standard terms do that and terms document no.	covenant with each	other in terms of	the servient tenement for the purpose
Wit	nessing Officer	Execution I	Date	Grantor's Signatyr
	signature	9191	03	MAYOF
	qualificati			CHIEF EXECUTIVE OFFICER

Execution Date

Witnessing Officer

.....signature

.....full name

.....qualification

g:\users\pjd\ac0109del030837.accesseasement.doc

as per Schedule 1 of Land Title Act 1994 (eg Legal Practitioner, JP, C.Dec)

Page 1 of 1

Title Reference -

This is the Schedule referred to in the Easement dated the comprising of two pages.

912

day of

September 2003

The Grantor does hereby grant, transfer and assign unto the Grantee the full and free right and liberty TO USE THE BURDENED LAND in common with the Grantor its invitees and all other persons having the like right for ingress, egress and access purposes and for any other purpose connected with ingress, egress and access to the benefited land AND THE GRANTOR HEREBY COVENANTS with the Grantee that notwithstanding anything made, done or knowingly suffered by the Grantor, it has full power to make the grant hereby made and that such grant shall remain to and be quietly held and enjoyed and taken by the Grantee and every person or corporation deriving title under the Grantee and the benefit thereof shall be received and taken accordingly without any interruption or disturbance by the Grantor or any person rightfully claiming or purporting to claim by, through, under or in trust for the Grantor AND FURTHER that the Grantor and every other person having or rightfully claiming any estate or interest in the said land will from time to time and at all times hereafter on the request and at the cost of the Grantee and of any person or corporation deriving title under it execute and do all such lawful assurances and things necessary for the further and more perfectly assuring the said grant and the rights thereby given to the Grantee and those deriving title under the Grantee as by them or any of them shall be reasonably required AND FURTHER that the foregoing GRANT AND COVENANT is made subject to and shall be read as one with the following special conditions hereafter contained in paragraphs 1 to 9.

- 1. All signage, lighting, landscaping, parking meters, parking bays, traffic devices, roads, pathways, fences, paved surfaces and other improvements, equipment and fittings installed in or placed upon the burdened land shall remain the property of the Grantor.
- 2. The Grantor shall be responsible for the construction, maintenance and repair of any signage, lighting, landscaping, parking meters, parking bays, traffic devices, roads, pathways, fences, paved surfaces and other improvements, equipment and fittings on the burdened land.
- 3. The Grantee covenants with the Grantor that for the purpose of gaining access to the benefited land the Grantee shall utilise the driveways, roadways, pathways and access points as installed by the Grantor on the burdened land.
- 4. The Grantee covenants with the Grantor that the Grantee shall comply with any rules and regulations which may from time to time be put in place by the Grantor relating to the burdened land.
- 5. The Grantor covenants with the Grantee that it will refrain from any action likely to jeopardise or prejudicially affect access or the use of any equipment or fittings installed in or placed upon the burdened land in pursuance of this Easement and it will at all times refrain from using the burdened land in a manner likely to obstruct or unreasonably hinder access by the Grantee;
- 6. The Grantee indemnifies and at all times agrees to indemnify the Grantor against any claims demands or actions which may be made or brought against the Grantor as a result of the use by the Grantee, its patrons or lessees of the burdened land.
- 7. The Grantor will pay the costs, if any, of and incidental to the preparation, execution, stamping and registration of this Grant of Easement together with the costs and expenses of and incidental to any necessary survey.
- 8. The Grantor and the Grantee jointly covenant that the terms of this agreement shall not be released, surrendered, varied or modified without the prior written consent of the Local Authority. In considering any such proposal for consent, the Council may either:-
 - (a) consent to the proposal;
 - (b) for good reason, refuse consent to the proposal; or
 - (c) consent to the proposal subject to such reasonable conditions as the Council may require.
- 9. The Grantor will pay the cost of any release, surrender, variation or modification of this agreement, including but not limited to the cost of and incidental to the preparation, execution, stamping and registration of a further Grant of Easement together with the costs and expenses of and incidental to any necessary survey.

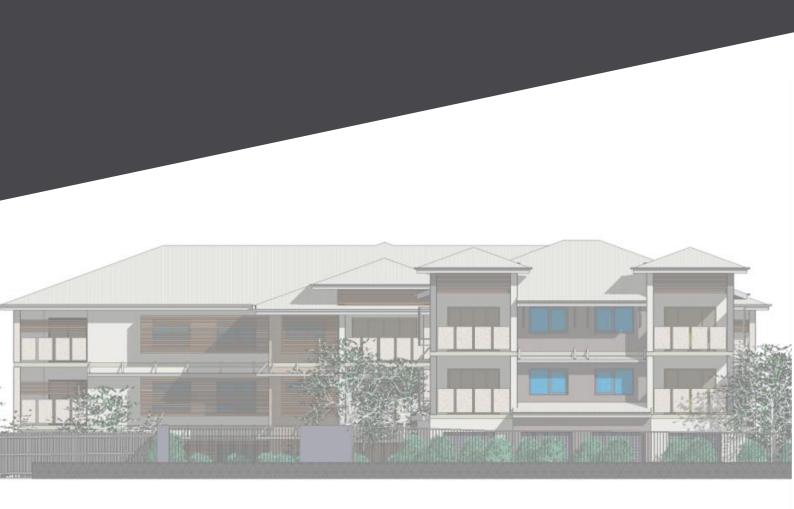
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Attachment 6

Document Set ID: 27247319 Version: 1, Version Date: 24/06/2025

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



9 June 2025

Prepared for:

Martinez Garcia Pty Ltd Report: 50969-RP01-A



Document Set ID: 27247319 Version: 1, Version Date: 24/06/2025

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



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Version	Issue date	Purpose of issue	Details	Name / position	Signature
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Traffic and Transport AssessmentProposed Multiple Dwelling Development
12-14 Waverley Lane, Douglas



Table of Contents

1.	Introduction	1
1.1	Project background	1
1.2	Development details	
1.3	Applicable planning scheme	2
1.4	Scope	
2.	Existing conditions	3
2.1	Road network	3
2.2	Public transport	3
2.3	Active transport	4
3.	Traffic impact assessment	6
3.1	Traffic generation	
3.2	Trip distribution	6
3.3	Traffic distribution	6
3.4	Traffic impacts	8
4.	Parking assessment	9
4.1	Car parking requirements	9
4.2	Car parking provision	9
5.	Access and servicing assessment	11
5.1	Access arrangement	
5.2	Sight distance assessment	
5.3	Servicing	
6.	Response to development codes	12
7.	Conclusion	12
8.	References	13

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



Figures

Figure 1.1 Locality plan Figure 1.2.1 Site plan Figure 2.2 Public transport in proximity to site Figure 2.3.1 Active transport network Figure 2.3.2 Principal cycle network Figure 2.3.3 Priority route map Figure 3.3.1 Development distributions (%) Figure 3.3.2 Development distributions (vehicles) Figure 5.1 Proposed access arrangement Figure 5.2 Sight distance assessment

Tables

Table 1.2	Development details
Table 2.1	Surrounding road network
Table 3.1	Development traffic generation rates
Table 3.2.1	Development traffic splits
Table 4.1	Car parking requirements
Table 4.2	Car parking design requirement
Table 5.2	Sight distance requirements

Appendices

Appendix A	Plans of development
Appendix B	Waverley Lane one-way access working plan
Appendix C	Swept path assessment
Appendix D	Development code responses

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



1. Introduction

1.1 Project background

Geleon has been engaged by Martinez Garcia Pty Ltd (the **Applicant**) to prepare a Traffic and Transport Assessment (**TTA**) to accompany a Development Application (**DA**) to establish a multiple dwelling development at 12-14 Waverley Lane, Douglas (Lot 999 on SP159422) (**Figure 1.1**). The existing 3,869m² site is currently vacant.

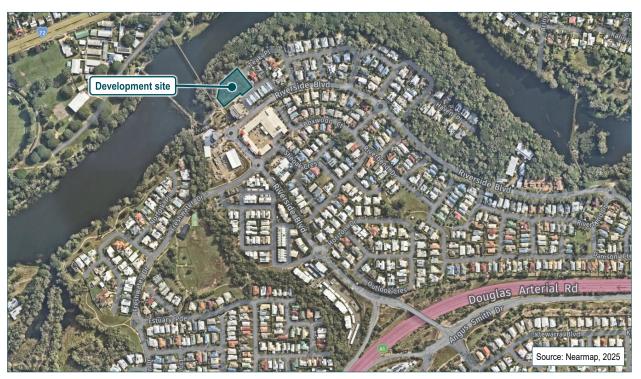


Figure 1.1 Locality plan

1.2 Development details

The development proposes a multiple dwelling land use to establish three multi-storey residential buildings on the subject site. Access to and from the development is proposed via the existing vehicle crossing adjacent to Waverley Lane, located within Easement B on SP159422 that will provide access to the internal car parking area.

Details of the proposed development are provided in **Table 1.2**, with the site plan for the ground floor shown in **Figure 1.2**. Relevant plans of development have been included in **Appendix A**.

Table 1.2 Development details

Building	Land use	2-bedroom units	3-bedroom units	Total no. of units
А		2	2	4
В	Multiple dwelling	9	6	15
С		9	6	15
	Totals	20	14	34



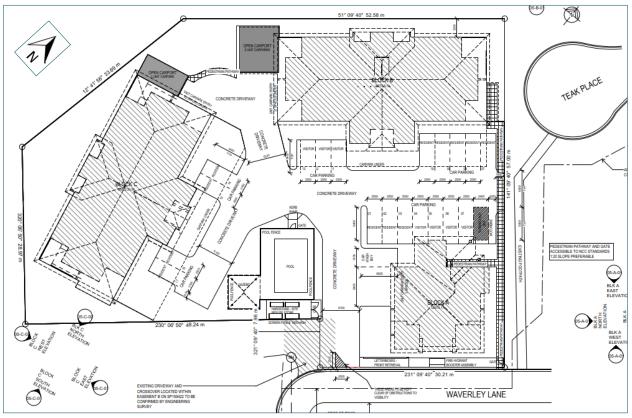


Figure 1.2.1 Site plan

1.3 Applicable planning scheme

The proposed development site falls under the jurisdiction of the City of Townsville (**Council**) and is governed by the *Townsville City Plan (Version 2024/01)*.

1.4 Scope

The scope of the assessment presented in this report is as follows:

- assess public transport, pedestrian and cycling accessibility to/from site and on-site
- calculate the anticipated development traffic generation and its impact to the external road network
- assess proposed car parking supply against relevant Council requirements
- review design of on-site traffic and transport operations against Australian Standards and Council's requirements
- assess site access and access configuration against Council requirements
- assess servicing arrangements, and
- complete council development code templates to accompany the development application.



2. Existing conditions

2.1 Road network

The hierarchy of the road network surrounding the development is shown in Table 2.1.

Table 2.1 Surrounding road network

Road name	Jurisdiction	No. of lanes (two-way)	Posted speed limit	Median divided	Hierarchy	Footpath / bicycle lanes	On-street parking
Bruce Highway	TMR ¹	4	100km/h	Yes	Highway	No provision	No provision
Riverside Boulevard	Council	2	60km/h	No	Major collector	Footpaths both sides / no bicycle lanes	Formal parking
Waverley Lane	Council	2	50km/h	No	Laneway	No provision	No provision
Notes: 1. Department of Transport and Main Roads							

2.2 Public transport

The development is located within walking distance (<400m) of two public transport stops. The closest stop, known as 'Riverside Boulevard at Freshwater Drive, Douglas (Townsville City)' (Stop ID: 890171) is located approximately 280m south of the development site (**Figure 2.2**). This stop is serviced by one public bus route, known as '202', and has an average frequency of 60 minutes throughout the day. Locations of all stops within proximity to the development site are provided in **Figure 2.2**.



Figure 2.2 Public transport in proximity to site

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



2.3 Active transport

The subject site is serviced by a reasonable network of pedestrian footpaths as shown in **Figure 2.3.1** which illustrates the active transport network surrounding the proposed development.

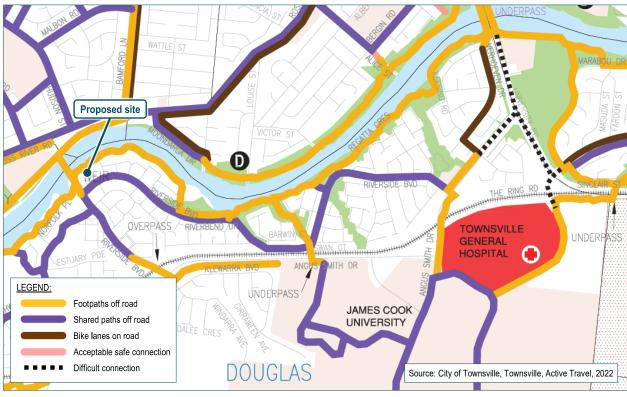


Figure 2.3.1 Active transport network

The subject site is in proximity to Riverside Boulevard which forms part of TMR's *North Queensland Principal Cycle Network* and includes provision of off road bicycle paths. The principal cycle network surrounding the proposed development and route priorities are illustrated in **Figure 2.3.2** and **Figure 2.3.3**.



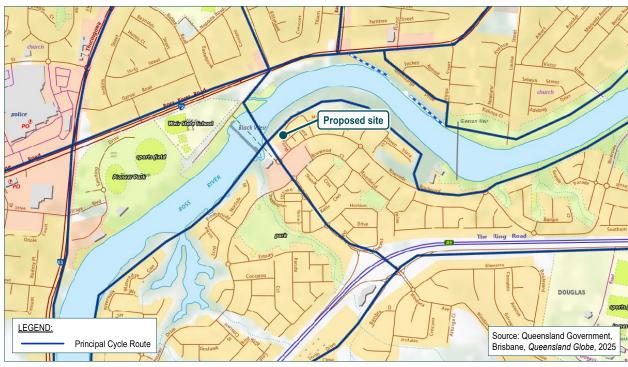


Figure 2.3.2 Principal cycle network

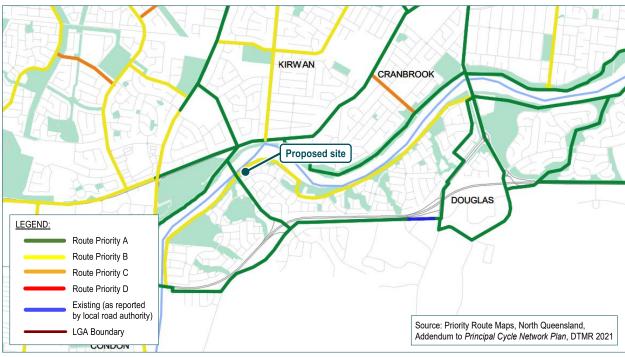


Figure 2.3.3 Priority route map



3. Traffic impact assessment

3.1 Traffic generation

A review of Council's *Townsville City Plan – Traffic impact, access and parking code* has not identified traffic generation rates for the proposed land use. In lieu of Council specific traffic generation rates, traffic generation rates for the proposed development have been based on the rates for a multiple dwelling land use as provided in the RMS *Guide to Traffic Generating Developments – Technical Direction (TDT 2013/04)*, respectively.

A summary of the expected development traffic generation is shown in Table 3.1.

Table 3.1 Development traffic generation rates

Land use	Car parks	Peak period	Traffic generation rate	Traffic generation volume
Multiple Dwelling 66		AM	0.35 trips per car park	24
Multiple Dwelling 66	00	PM	0.26 trips per car park	18
Total AM Peak Hour Trips 24				24
Total PM Peak Hour Trips 18				

3.2 Trip distribution

3.2.1 In / Out directional splits

TMR's guide to Traffic Impact Assessment (GTIA) stipulates:

"Peak hour development-generated traffic volumes need to be split into entry (IN) and exit (OUT) volumes for assignment of this traffic to the access intersection and to the surrounding road network."

Typical residential In / Out traffic splits were adopted (i.e. 30% In / 70% Out in the AM peak hour, and 60% In / 40% Out during the PM peak hour). The AM and PM In / Out traffic splits of the vehicle trips are provided in **Table 3.2.1**.

Table 3.2.1 Development traffic splits

Land Use	Traffic Generation (trips)	Peak Period	IN%	IN Trips	OUT %	OUT TRIPS
Multiple Dwelling	24	AM Peak	30%	7	70%	17
	18	PM Peak	60%	11	40%	7

3.3 Traffic distribution

The development traffic distribution to / from the site on the surrounding road network has been calculated based on the development's location to key activity generators (town centres, schools, shopping centres etc.) and considers Council's *Proposed One-Way Access* working plan for Waverley Lane (**Appendix B**). The anticipated development traffic distribution percentages are shown in **Figure 3.3.1**, with the resultant traffic volumes shown in **Figure 3.3.2**.



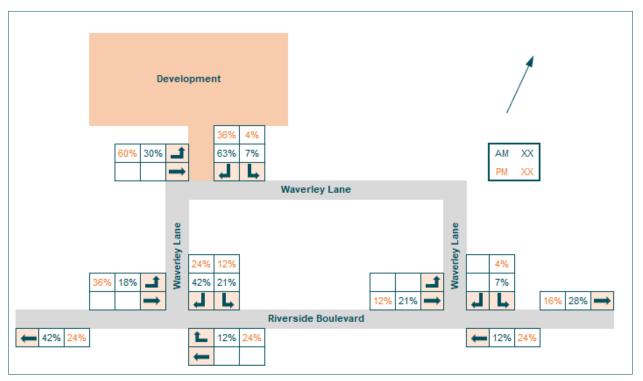


Figure 3.3.1 Development distributions (%)

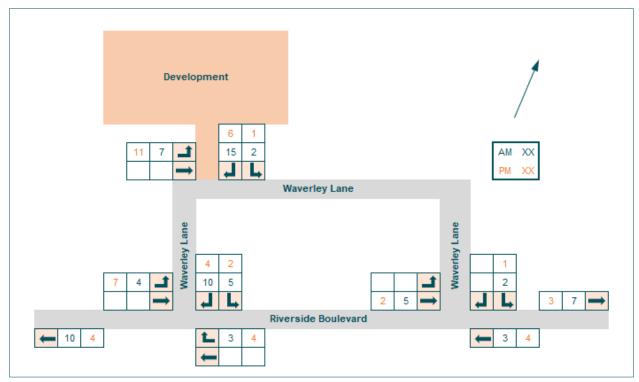


Figure 3.3.2 Development distributions (vehicles)

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



3.4 Traffic impacts

Given the geographical location of the development, all inbound and outbound development generated traffic will use Waverley Lane to turn into / out of the development and subsequently Riverside Boulevard. The total net traffic generation in the AM peak hour is 24 trips, which equates to one vehicle movement every 2.5 minutes. For the PM peak hour, the total net traffic generation is 18 trips, which equates to approximately one external vehicle movement every 3.3 minutes.

In addition, as shown in **Figure 3.3.2** it is expected that 22 trips in the AM peak hour and 17 trips in the PM peak hour will utilise the western Riverside Boulevard / Waverley Lane priority-controlled intersection located south of the development site. This equates to approximately one vehicle trip every 2.7 minutes in the AM peak hour and a vehicle trip every 3.5 minutes in the PM peak hour.

Regarding the eastern Riverside Boulevard / Waverley Lane priority-controlled intersection located 125m east of the development site, it is expected that 10 trips in the AM peak hour and 7 trips in the PM peak hour will be distributed through this intersection when travelling to / from the development site. This equates to a vehicle trip every 6 minutes in the AM peak hour and a vehicle trip every 8.6 minutes in the PM peak hour.

Based on the number of alternative routes available to traffic travelling to and from the development, it is expected that the existing external road network has sufficient capacity to cater for a development of this nature and scale such that further analysis is not required.

8



4. Parking assessment

4.1 Car parking requirements

The car parking requirements for the development have been calculated in accordance with the land use requirements stipulated in Council's *Townsville City Plan – Traffic impact, access and parking code* as shown in **Table 4.1**.

Table 4.1 Car parking requirements

Land use	Quantity	Car parking rate	Parking requirement		
	Residential component				
	Building A				
	4 Units	1.7 spaces per unit	7		
	Building B				
M IS I D III	15 Units	1.7 spaces per unit	26		
Multiple Dwelling	Building C				
	15 Units	1.7 spaces per unit	26		
		Total residential car parking requirement	59		
	Visitor component				
	34 Units	0.2 spaces per dwelling for visitors and 1 dedicated car washing bay ¹	7		
		Total Parking Requirement	66		
Notes: 1. A dedicated car wash bay may be integrated with visitor parking to serve both functions					

The total car parking requirement for the development is 66 car parking spaces comprising 59 resident spaces and seven visitor spaces. In accordance with the *National Construction Code* (*NCC*) – *Volume 1* for a Class 2 building, there is no requirement to provide parking spaces for People with Disabilities (**PWD**).

4.2 Car parking provision

The development provides a total of 66 car parking spaces inclusive of five residential parking spaces in Building A, 21 residential parking spaces in Building B, 22 residential parking spaces in Building C, 11 outdoor residential parking spaces and seven freely accessible visitor spaces and therefore complies with Council requirements. In addition to the above, the development also provides a car wash bay integrated into a visitor car park and one motorcycle parking space.

Car parking design for the proposed development has been undertaken generally in accordance with Australian Standard *AS2890.1 – Parking Facilities.* **Table 4.2** shows design parameters for each user class in accordance with *AS2890.1*.

Table 4.2 Car parking design requirement

User class	Parking bay width (m)	Parking bay length (m)	Aisle width (m)	Use
1A	2.4	5.4	5.8	Residents
2	2.5	5.4	5.8	Visitors

Other specific design parameters relating to the parking and internal road layout design have been developed generally in accordance with Australian Standard AS2890.1 – Parking Facilities and Council's Townsville City Plan – Transport impact, access and parking code.

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



In addition to the above, the following provisions are noted:

- Vehicle speeds will be limited to a maximum of 10km/h, similar to a shared zone environment. Location of speed limit signs will be confirmed at the detailed design stage but will generally be provided at the entrance to the development site and at the exits to all car parking modules to ensure motorists are aware of the speed limit within the development site.
- No gates are proposed within the car park and,
- Bollards will be provided where lift and stairway doors open into the driveway area.

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Access and servicing assessment

5.1 Access arrangement

Access to and from the development site is proposed via Waverley Lane from the existing vehicle crossing located within Easement B on SP159422 (Easement No. 706979916) which consists of an Urban Residential driveway access with an approximate width of 6m at the kerb invert. Council's *Working Plan – Proposed One-Way Access* for Waverley Lane proposes one way traffic flow to the east of the development site (**Appendix B**). Therefore, access into the development site will be limited to left in only, while egress movements can occur in all directions.

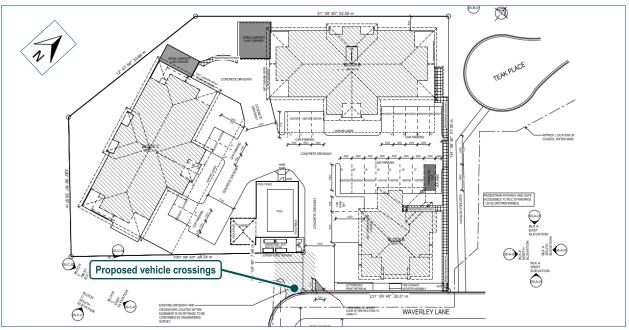


Figure 5.1 Proposed access arrangement

5.2 Sight distance assessment

A sight distance assessment has been undertaken in accordance with AS2890.1 and AS2890.2 to ensure that the location of the vehicle crossing provides sufficient sight distance for road users to find a safe gap in oncoming traffic when leaving the site. The minimum gap sight distance requirements (MGSD) for a vehicle departing the site are provided in **Table 5.2**.

Given that vehicles can only approach the development site from the western intersection between Waverly Lane and Riverside Boulevard and the 90-degree curve along Waverly Lane, it is anticipated that vehicles will be travelling at a speed of 20km/h when approaching the development site.

Table 5.2 Sight distance requirements

Frontage road	Manoeuvre type	Vehicle speed assessed (km/h)	Sight distance requirement	
Waverley Lane	Vehicles approaching bends	20km/h	28.0m	

Figure 5.2 shows the required sight distance and associated sight lines for vehicles travelling along Waverley Lane to vehicles departing the development site, demonstrating compliance with specified requirements.



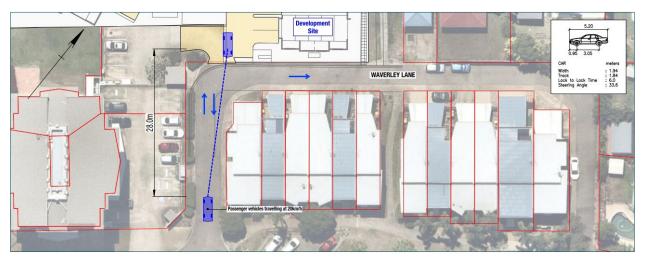


Figure 5.2 Sight distance assessment

5.3 Servicing

A review of Council's *Townsville City Plan – Traffic impact, access and parking code* does not stipulate service vehicle requirements for the proposed land use. However, based on the proposed development being residential, vehicle sizes up to an 8.8m Medium Rigid Vehicle (MRV) will need to be catered for. The development provides ample space for a MRV to stand on site. In addition to providing standing space for a MRV, the development site provides sufficient space for a front-loading Refuse Collection Vehicle (RCV) to enter and exit the development site in a forward gear.

Swept path assessments have been undertaken using AutoTURN software to demonstrate that an 8.8m MRV and 10.5m RCV can satisfactorily enter the development site in a forward gear, perform a turn around manoeuvre and exit the development in a forward gear (**Appendix C**).

6. Response to development codes

A detailed review of the proposed development against Council's *Traffic impact, access and parking code* is provided in **Appendix D**.

7. Conclusion

This report presents the findings related to assessment of traffic and transport related matters for a proposed development located at 12-14 Waverley Lane, Douglas. Based on the assessment undertaken, it can be concluded that the proposed development will not introduce any adverse traffic or transport impacts which would prevent its approval with appropriate conditions.

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



8. References

- 1. City of Townsville, Townsville City Plan (Version 2024/01), Townsville.
- 2. Queensland Government (Department of Transport and Main Roads), *Guide to Traffic Impact Assessment*, December 2018, Brisbane.
- 3. New South Wales Government (Roads and Maritime Services), *Guide to Traffic Generating Developments Technical Direction (TDT2013/04)*, 2014, Sydney.
- 4. Australian Building Codes Board, National Construction Code (NCC) Volume 1, May 2022.
- 5. Standards Australia/Standards New Zealand 2004, AS2890.1: Off-street Car Parking Facilities.
- 6. Standards Australia/Standards New Zealand 2015, AS2890.2: Off-street Commercial Vehicle Facilities.
- 7. Austroads, Guide to Road Design Part 4A: Unsignalised and Signalised Intersections, 2023, Sydney.

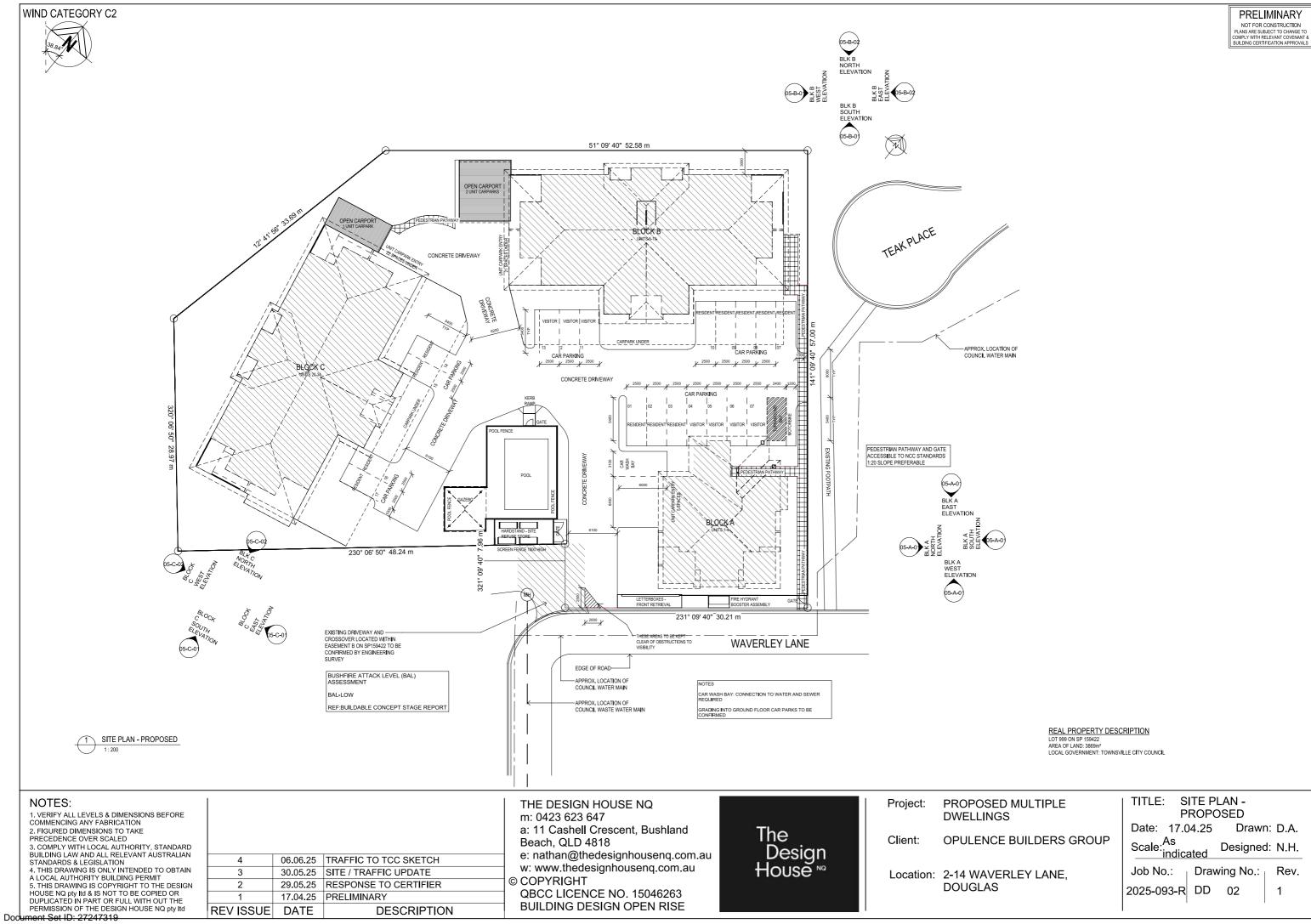
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Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas

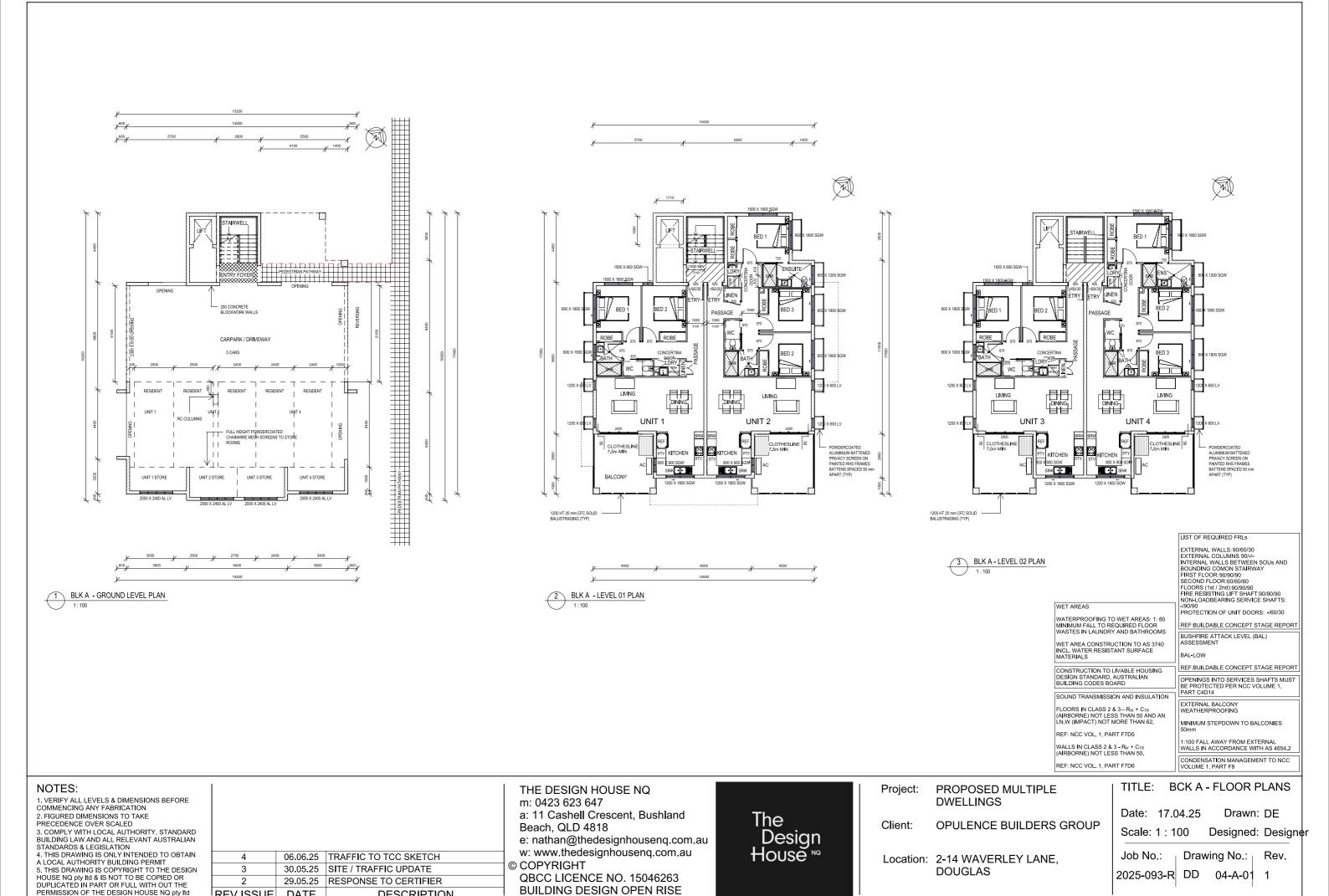


Appendix A Plans of development

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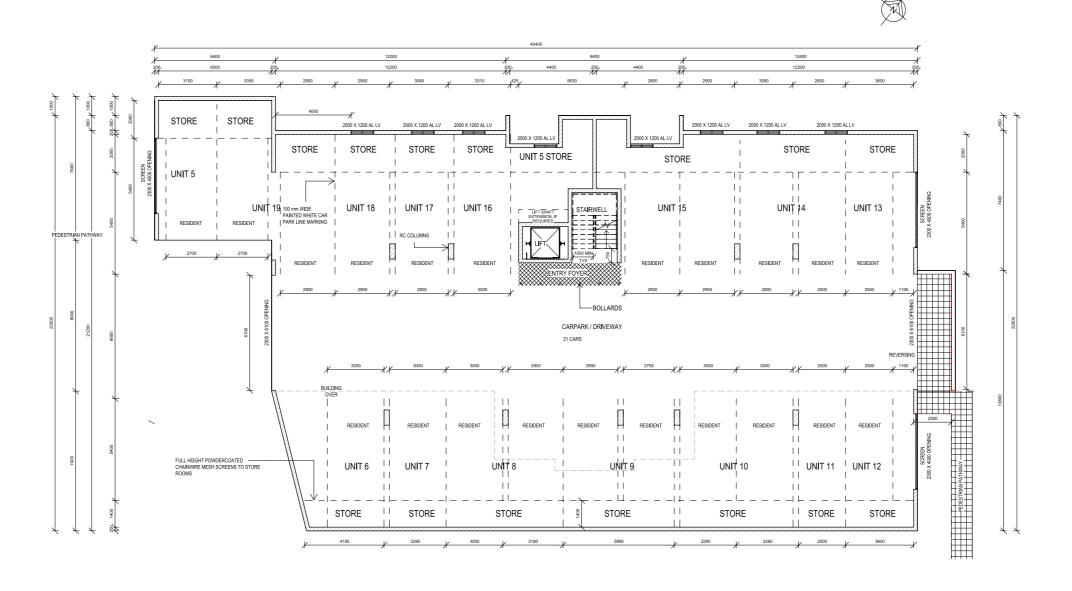


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DESCRIPTION



BLK B - GROUND LEVEL PLAN
1:100

LIST OF REQUIRED FRLs

EXTERNAL WALLS: 90/60/30
EXTERNAL COLUMNS 90/-/
INTERNAL WALLS BETWEEN SOUS AND
BOUNDING COMON STAIRWAY
FIRST FLOOR: 90/90/90
SECOND FLOOR: 90/90/90
FLOORS (1st / 2nd): 90/90/90
FIRE RESISTING LIFT SHAFT: 90/90/90
NON-LOADBEARING SERVICE SHAFTS: -/90/90
PROTECTION OF UNIT DOORS: -/60/30

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Beach, QLD 4818
e: nathan@thedesignhousenq.com.au
w: www.thedesignhousenq.com.au

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DWELLINGS

Client: OPULENCE BUILDERS GROUP

Location: 2-14 WAVERLEY LANE,

DOUGLAS

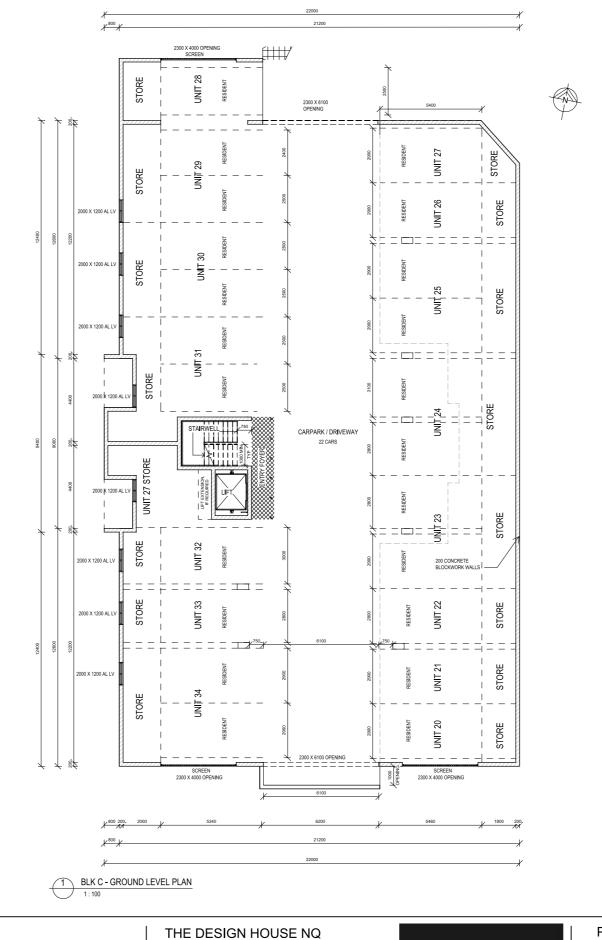
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Date: 17.04.25 Drawn: DE

Scale: 1 : 100 Designed: Designer

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BOUNDING COMON STARWAY
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SECOND FLOOR: 90/90/90
THIRD FLOOR: 90/90/90
THIRD FLOOR: 90/90/90
FIRE RESISTING LIFT SHAFT: 90/90/90
NON-LOADBEARING SERVICE SHAFTS: -90/90 -/90/90 PROTECTION OF UNIT DOORS: -/60/30

REF:BUILDABLE CONCEPT STAGE REPORT

BUSHFIRE ATTACK LEVEL (BAL) ASSESSMENT

BAL-LOW

REF:BUILDABLE CONCEPT STAGE REPORT

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DWELLINGS

OPULENCE BUILDERS GROUP Client:

Location: 2-14 WAVERLEY LANE, **DOUGLAS**

TITLE: BLK C - FLOOR PLAN -**GROUND LEVEL**

Date: 17.04.25 Drawn: Author

Scale: 1:100 Designed: Designer

Job No.: Drawing No.: | Rev. 2025-093-R DD 04-C-01 1

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



Appendix B Waverley Lane one-way access working plan

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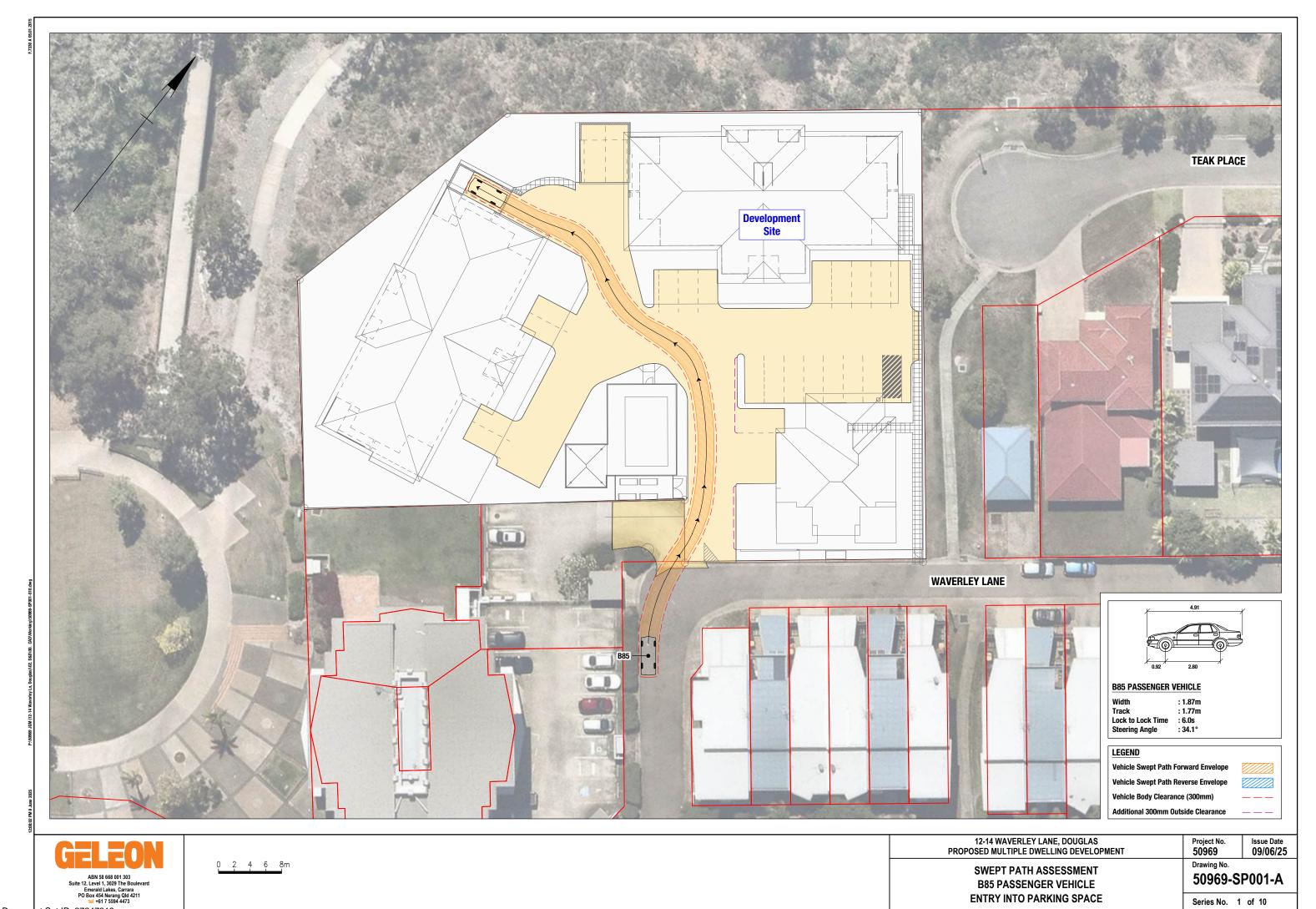


Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas

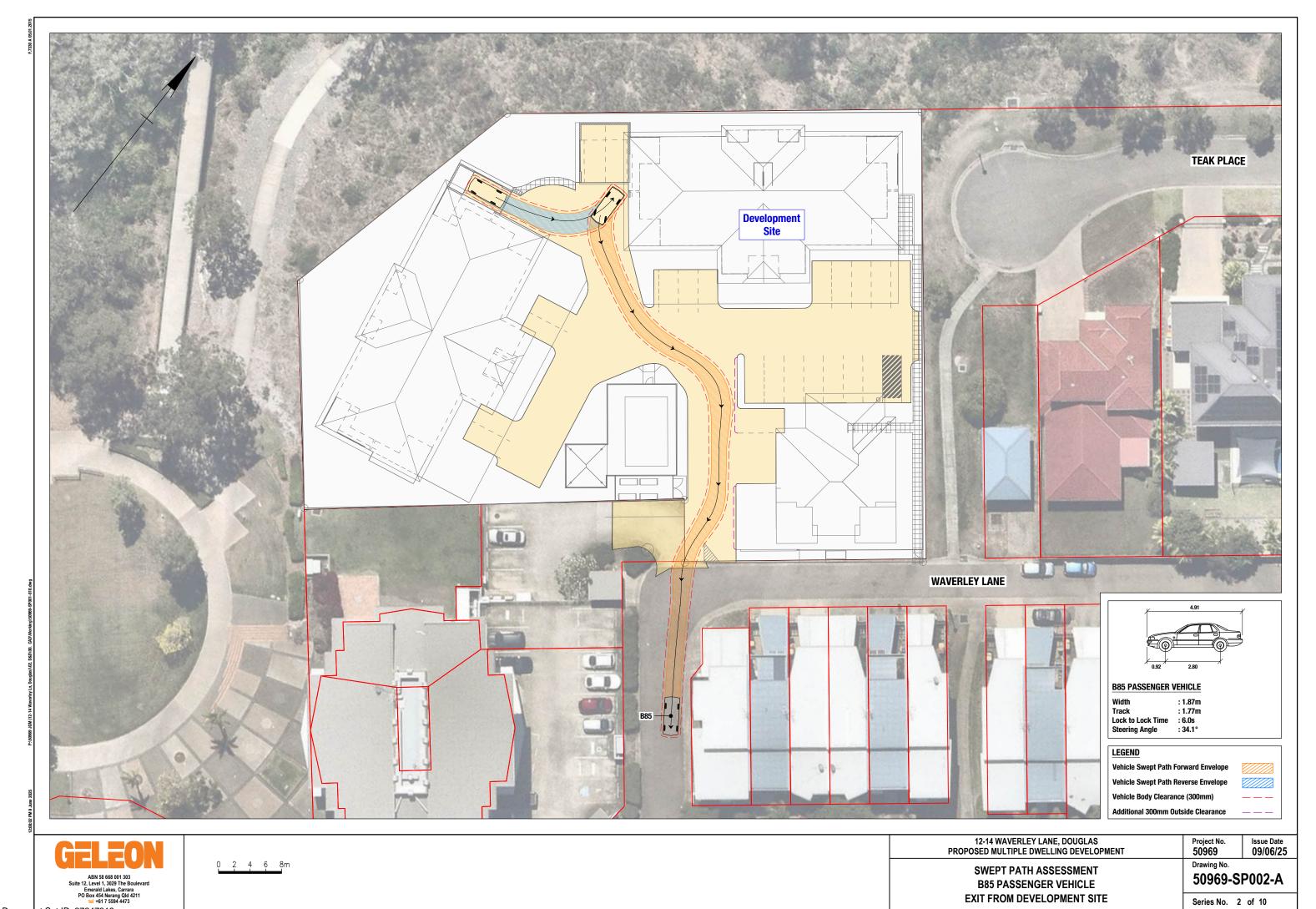


Appendix C Swept path assessment

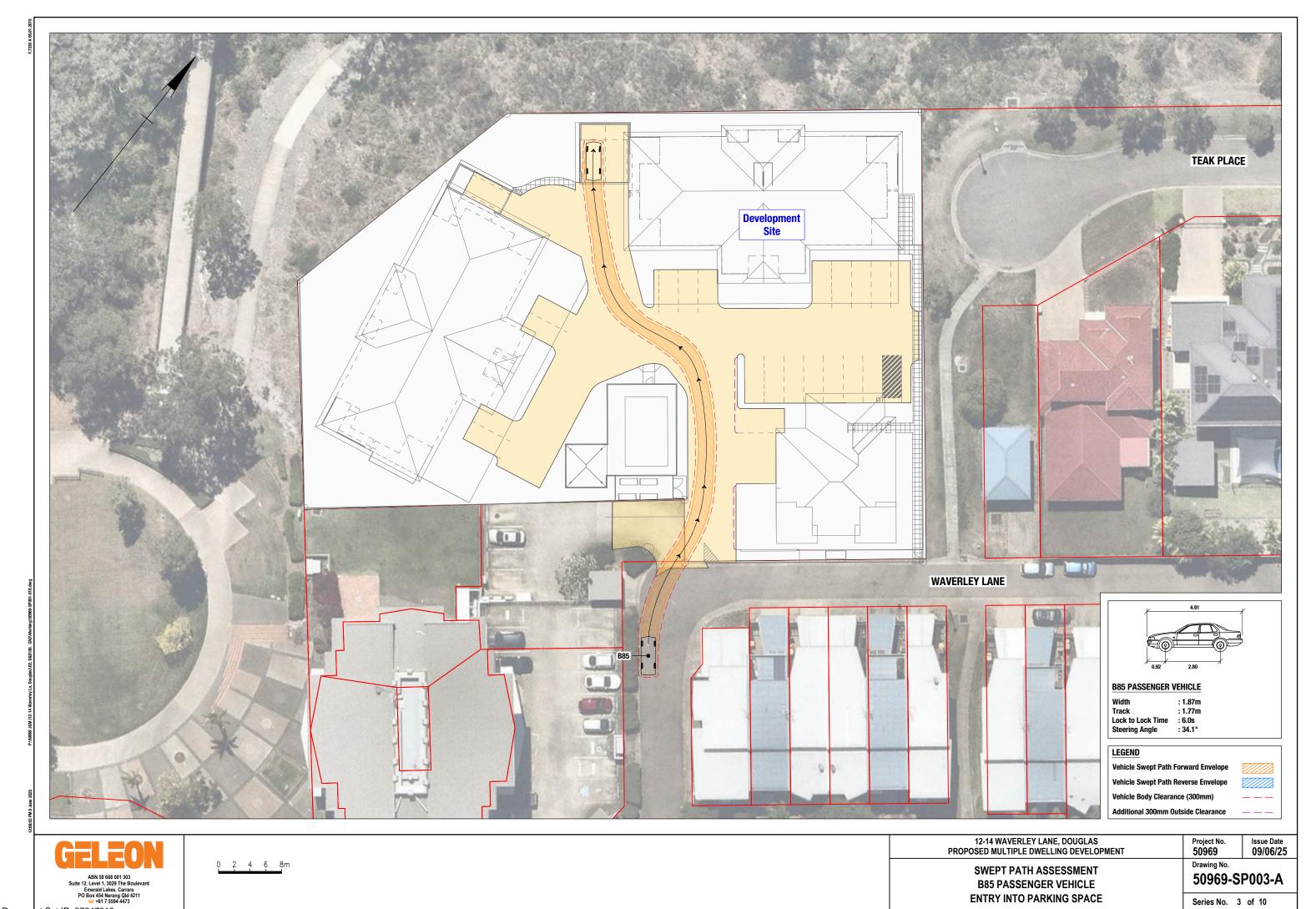
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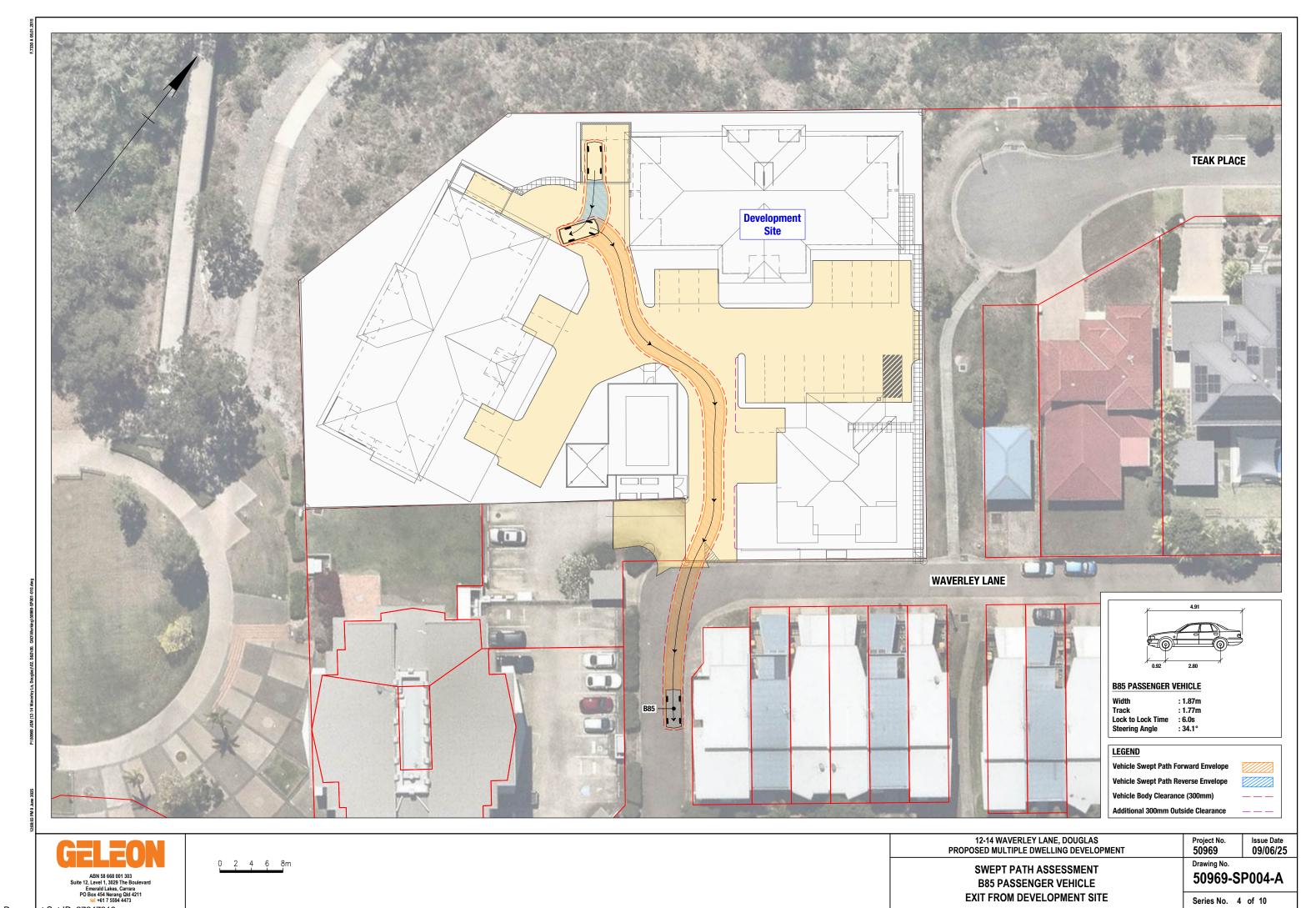


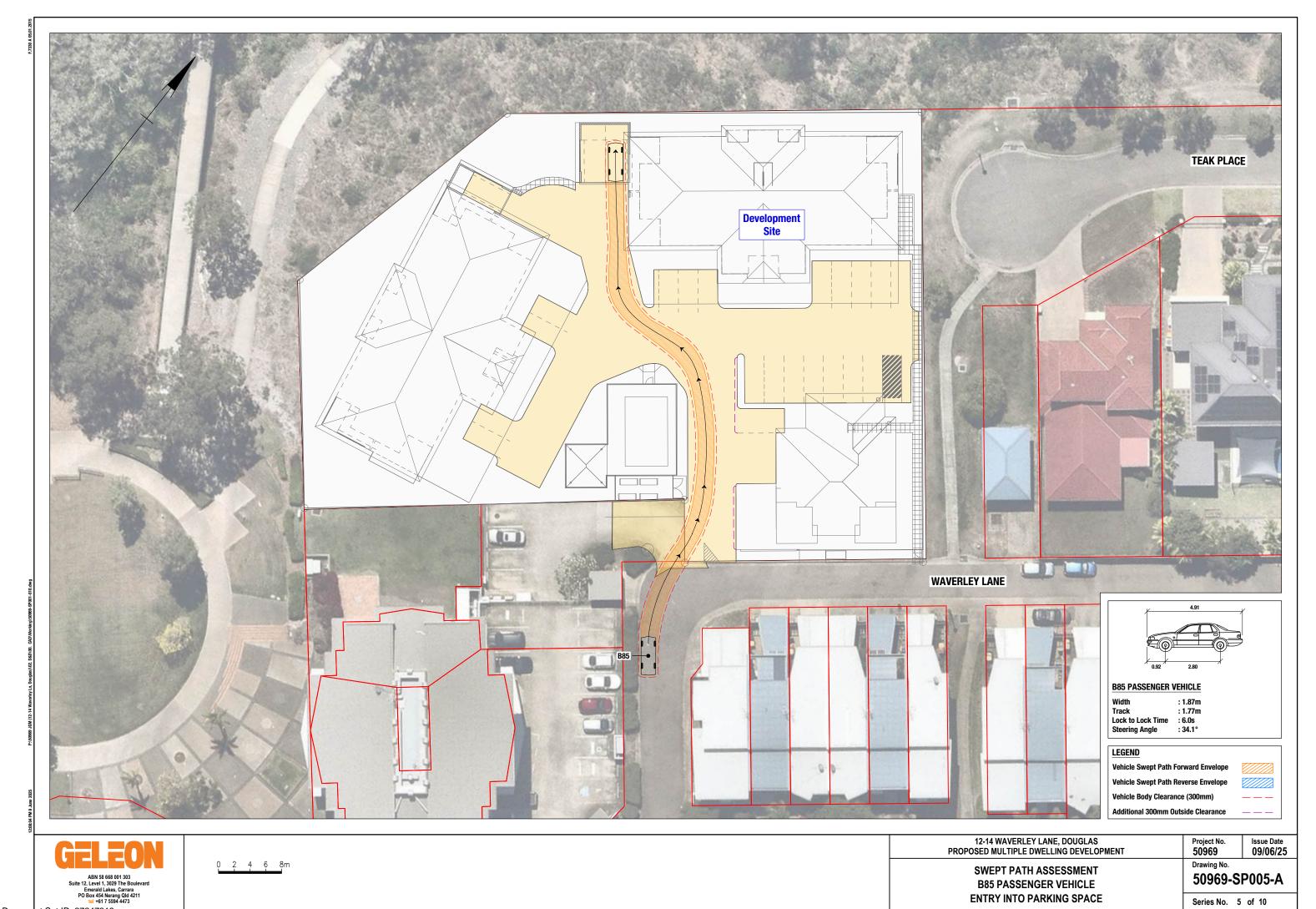
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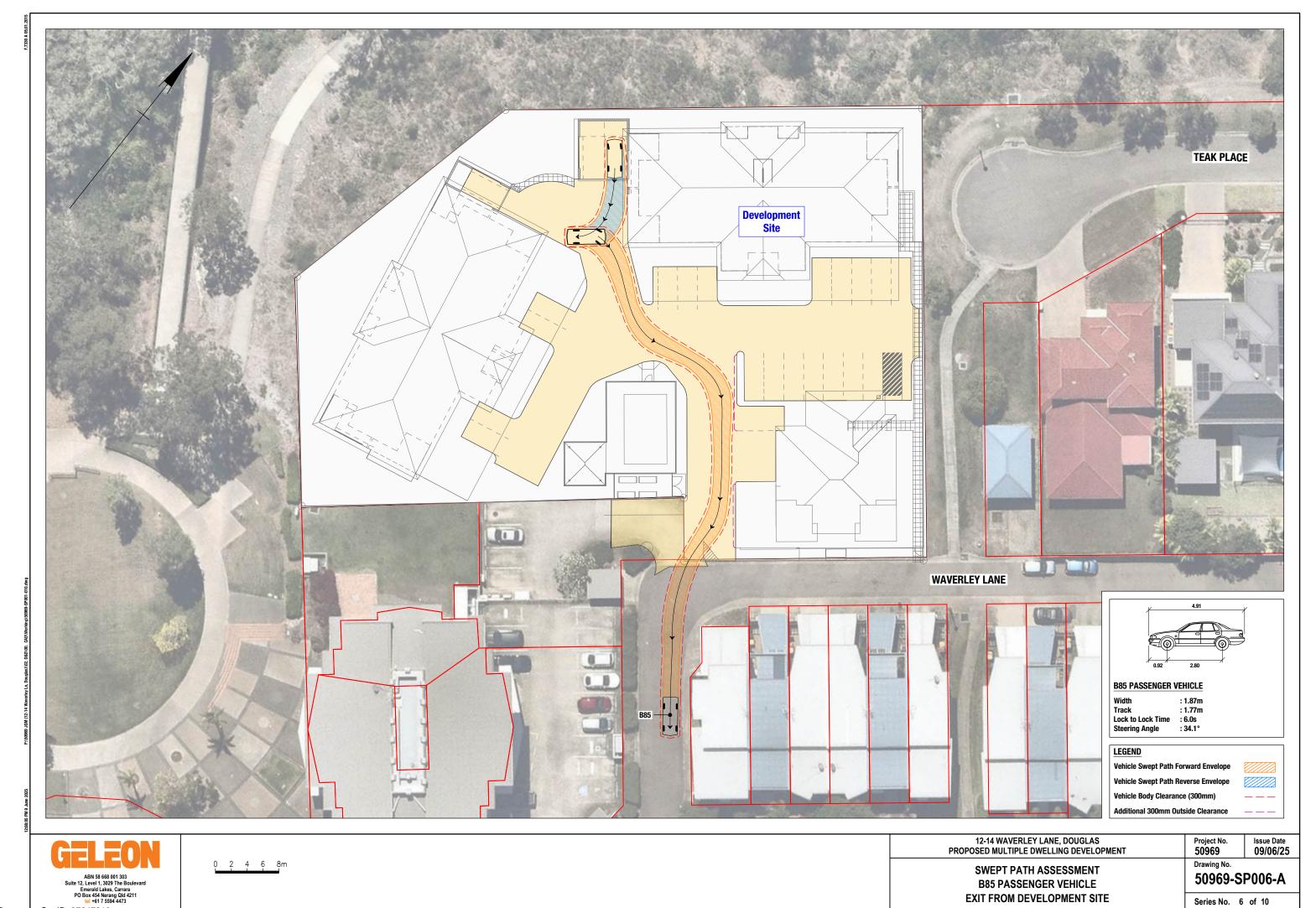


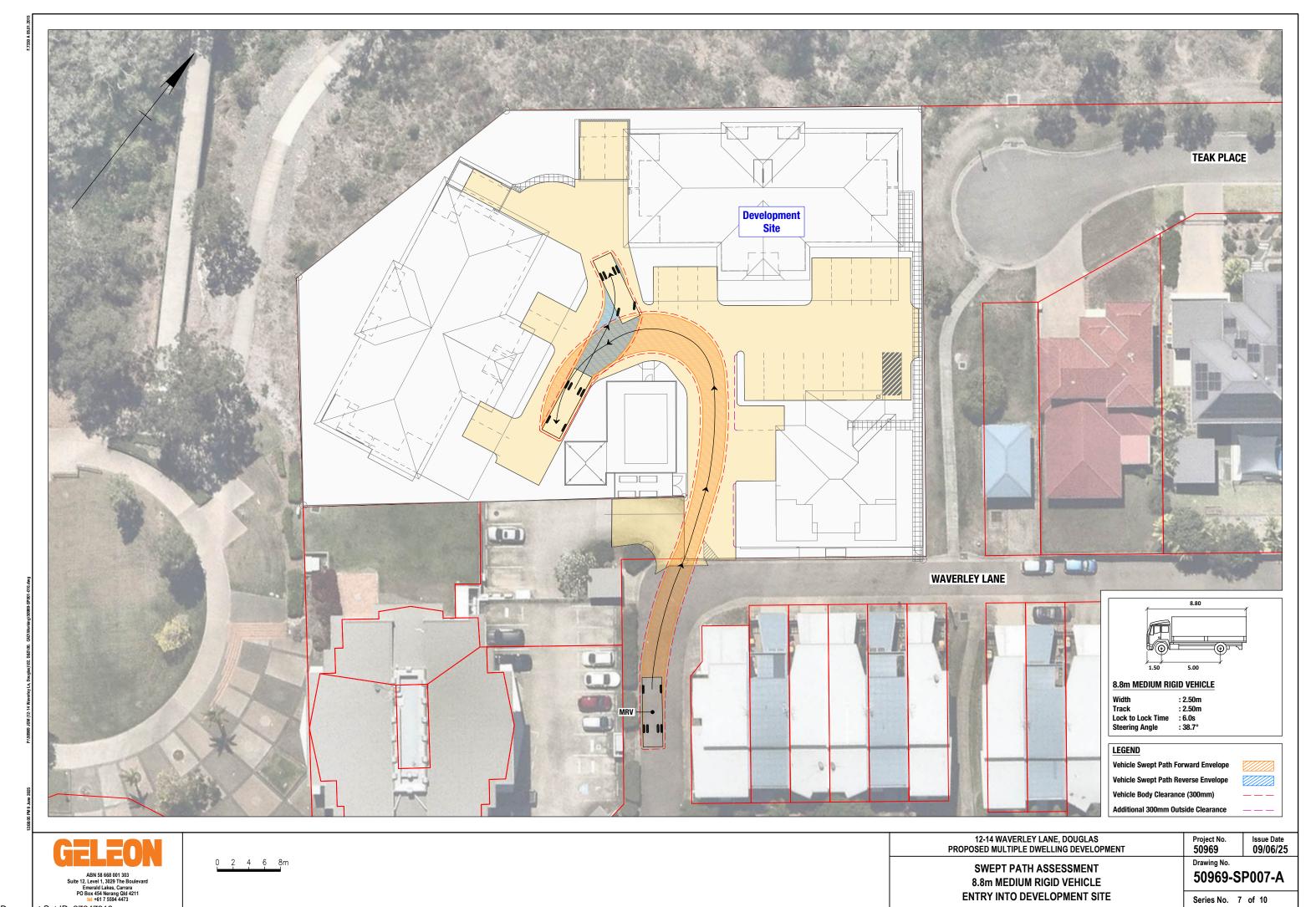
Document Set ID: 27247319 Version: 1, Version Date: 24/06/2025

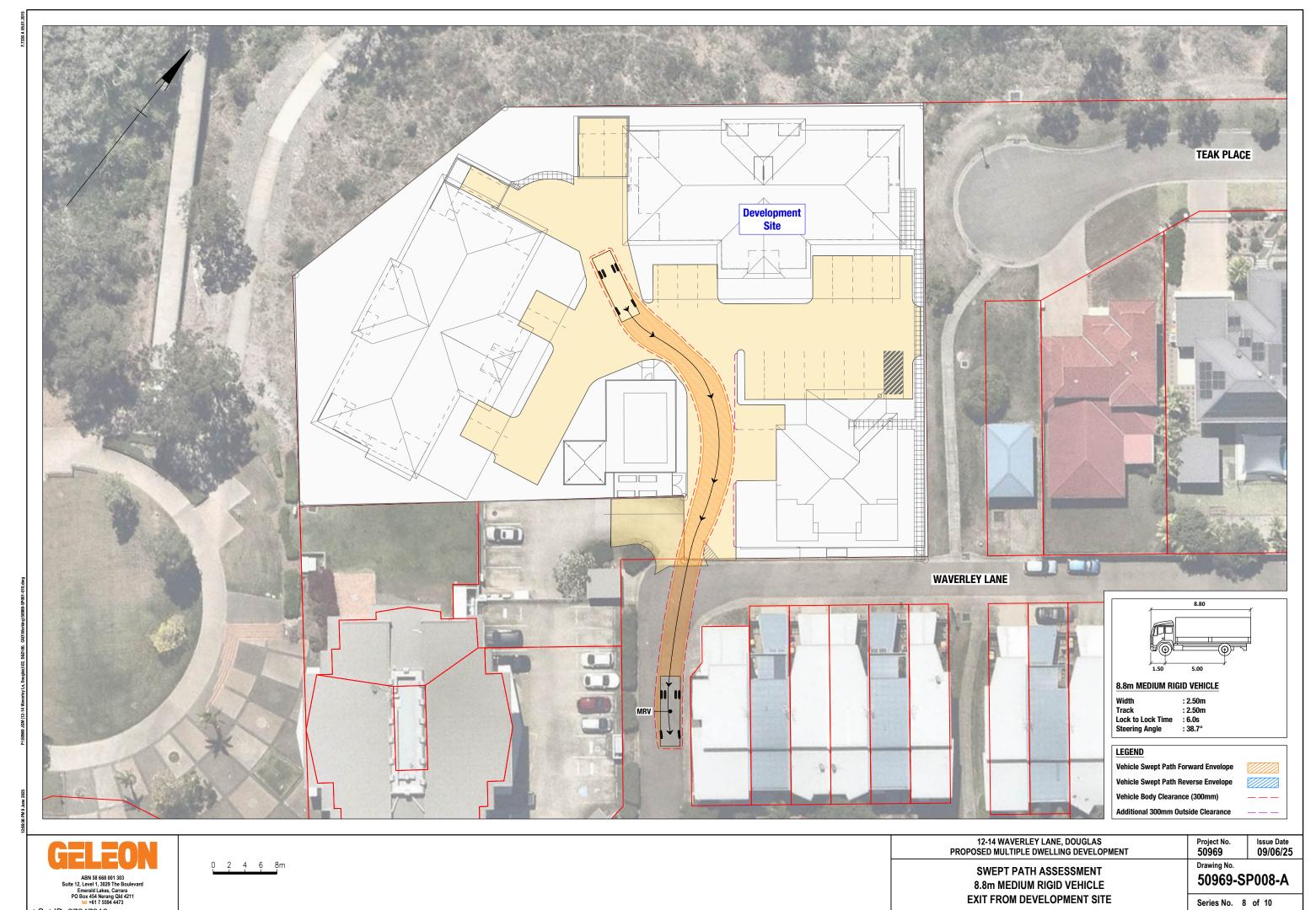


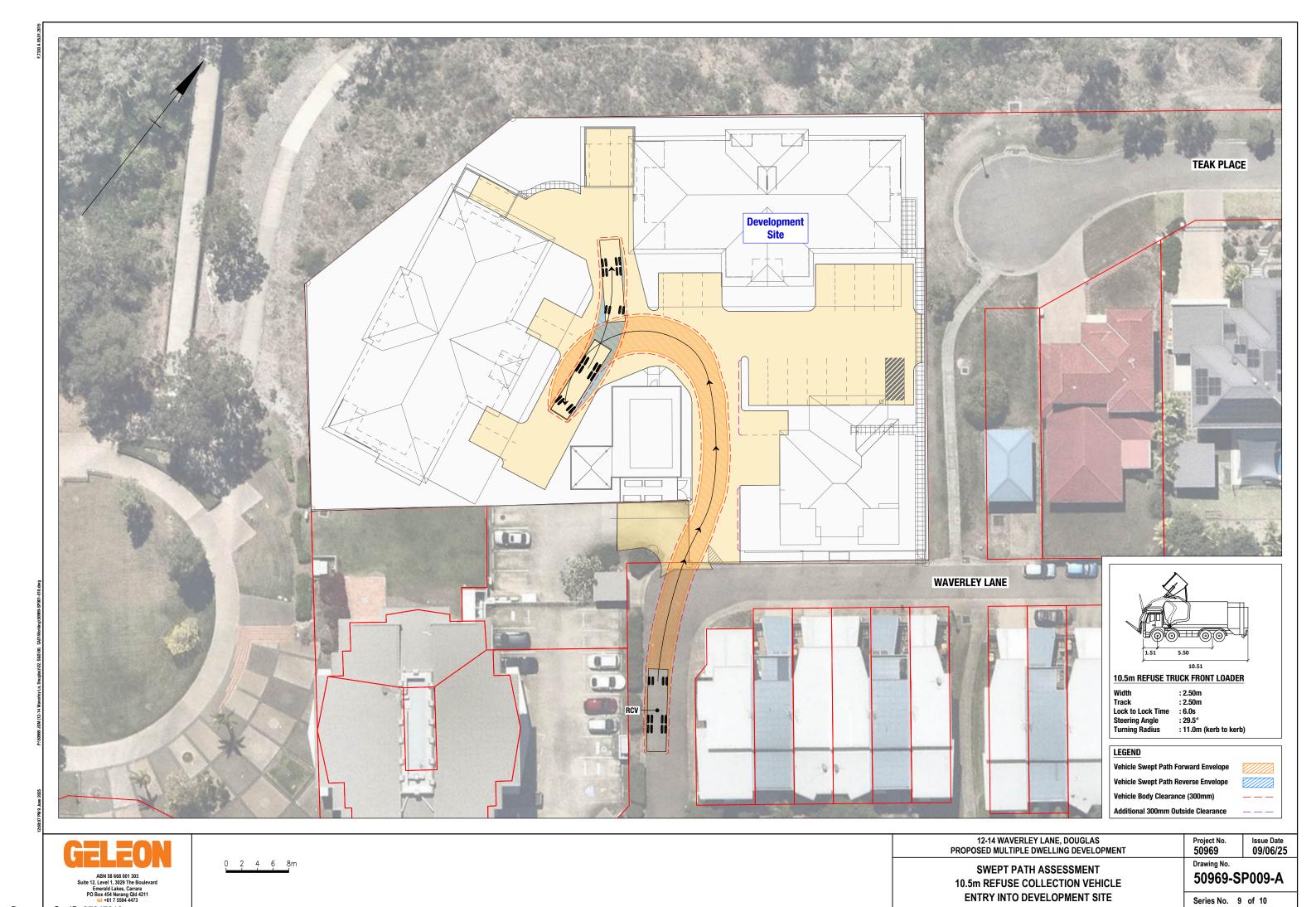


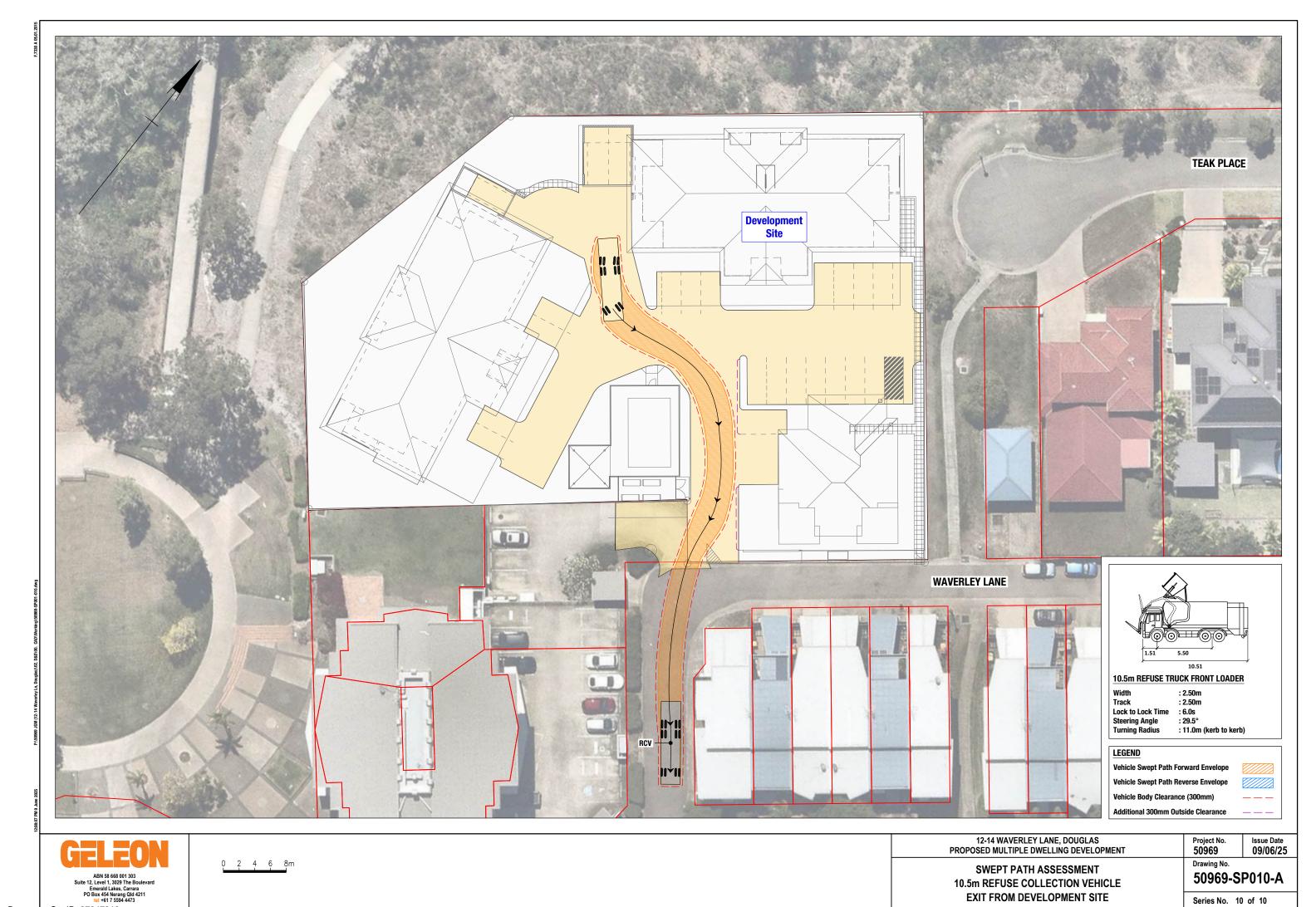












Traffic and Transport Assessment

Proposed Multiple Dwelling Development 12-14 Waverley Lane, Douglas



Appendix D Development code responses

Document Set IDR2፻24 ፕሮያያው RP01-A Version: 1, Version Date: 24/06/2025 Proposed Multiple Dwelling Development 12-14 Waverly Lane, Douglas Traffic and Transport Assessment

9.3.5 Transport Impact, Access and Parking Code

Performance outcomes	Acceptable outcomes	Comment
Transport impact		
P01	AO1	COMPLIES WITH PO1.
The development is located on roads that are appropriate for the nature of traffic generated, having regard to the safety and efficiency of the transport network, and the functions and characteristics identified of the road hierarchy.	No acceptable outcome is nominated.	Refer to Section 3.0 of Geleon Traffic and Transport Assessment report 50969-RP01-A which presents the findings of a traffic impact assessment on the external road network.
PO2	AO2	COMPLIES WITH PO2.
Development does not compromise the orderly provision or upgrading of the transport network.	No acceptable outcome is nominated.	Refer to Section 3.0 of Geleon Traffic and Transport Assessment Report 50969-RP01-A which presents the findings of a traffic impact assessment on the external road network.
PO3	AO3	COMPLIES WITH PO3.
On-site transport network infrastructure (including roads, parking, access and public transport, pedestrian and cyclist facilities) appropriately integrates and connects with surrounding networks.	No acceptable outcome is nominated.	Refer to Section 3.0 of Geleon Traffic and Transport Assessment Report 50969-RP01-A which presents the findings of a traffic impact assessment on the external road network.
Site access		
PO4	AO4	COMPLIES WITH PO3.
As far as practicable, development is designed to encourage travel by public transport, walking and cycling.	No acceptable outcome is nominated.	Footpath connectivity is provided from the Waverley Lane road frontage into the development site separate to the vehicle access (refer to the plans of development).
PO5	AO5	COMPLIES WITH AO5.
Access arrangements are appropriate for:	Access is provided in accordance with the standards identified in the	The development proposes access from Waverley Lane via the existing
(a) the capacity of the parking area;	Development manual planning scheme policy SC6.4 — SC6.4.5.5 Driveways, SC6.4.5.3 Public Transport Facilities and SC6.4.5.4 Car	vehicle crossing located on Easement B on SP159422.
(b) the volume, frequency and type of vehicle usage;	Parking.	For further details in relation to the location and form of the proposed driveway, refer to Section 5.0 of Geleon Traffic and Transport
(c) the function and characteristics of the access road and adjoining road network; and		Assessment Report 50969-RP01-A.
(d) the safety and efficiency of the road network.		

Page 1 of 7 Issue Date: 9 June 2025 Report: 50969-RP01-A
Document Set ID: 27247319

Version: 1, Version Date: 24/06/2025

Proposed Multiple Dwelling Development 12-14 Waverly Lane, Douglas Traffic and Transport Assessment

Performance outcomes	Acceptable outcomes	Comment	
P06	A06	COMPLIES WITH PO6.	
Where practical, access for cyclists and pedestrians is clearly distinguished from vehicle access.	No acceptable outcome is nominated.	Footpath connectivity is provided from the Waverley Lane road frontage into the development site separate to the vehicle access (refer to the plans of development).	
P07	A07	COMPLIES WITH AO7.	
Access is located and designed to provide safe and easy access to the site, having regard to its position, width and gradient.	Access is provided in accordance with the standards identified in the Development manual planning scheme policy no. SC6.4 — SC6.4.5.5	The development proposes access from Waverley Lane via the existing vehicle crossing located on Easement B on SP159422.	
	Driveways and SC6.4.3 Standard Drawings	For further details in relation to the location and form of the proposed driveway, refer to Section 5.0 of Geleon Traffic and Transport Assessment Report 50969-RP01-A .	
PO8	A08	COMPLIES WITH AO8.	
All vehicles reasonably expected to use the site are able to travel the length of the driveway or driveway access without damage to	Access is provided in accordance with the standards identified in the Development manual planning scheme policy no. SC6.4 — SC6.4.5.5	The development proposes access from Waverley Lane via the existing vehicle crossing located on Easement B on SP159422.	
vehicle or the driveway surface.	Driveways, SC6.4.5.3 Public Transport Facilities and SC6.4.5.4 Car Parking.	For further details in relation to the location and form of the proposed driveway, refer to Section 5.0 of Geleon Traffic and Transport Assessment Report 50969-RP01-A .	
PO9	AO9	COMPLIES WITH AO9	
A driveway does not cause change in the level of a footpath that is unsafe or inaccessible for people with mobility difficulties.	Access is provided in accordance with the standards identified in the Development manual planning scheme policy no. SC6.4 — SC6.4.5.5	The development proposes access from Waverley Lane via the existing vehicle crossing located on Easement B on SP159422.	
	Driveways and SC6.4.3 Standard Drawings.	For further details in relation to the location and form of the proposed driveway, refer to Section 5.0 of Geleon Traffic and Transport Assessment Report 50969-RP01-A .	
PO10	AO10	COMPLIES WITH AO10	
Driveways are designed to withstand loadings from all vehicles reasonably expected to use the site.	Access is provided in accordance with the standards identified in the Development manual planning scheme policy no. SC6.4 — SC6.4.5.5	The development proposes access from Waverley Lane via the existing vehicle crossing located on Easement B on SP159422.	
	Driveways.		

Document Set ID: 27247319 Page 2 of 7 Issue Date: 9 June 2025 **Proposed Multiple Dwelling Development** 12-14 Waverly Lane, Douglas Traffic and Transport Assessment

Performance outcomes	Acceptable outcomes	Comment	
P011	A011	COMPLIES WITH AO11	
A driveway does not allow water to pond on adjacent properties or adjacent buildings and does not allow water to enter a building or	Access is provided in accordance with the standards identified in the Development manual planning scheme policy no. SC6.4 — SC6.4.5.5	The development proposes access from Waverley Lane via the existing vehicle crossing located on Easement B on SP159422.	
property.	Driveways.	For further details in relation to the location and form of the proposed driveway, refer to Section 5.0 of Geleon Traffic and Transport Assessment Report 50969-RP01-A	
PO12	A012	COMPLIES WITH AO12	
Construction of a driveway does not damage or interfere with the location, function of or access to any services and infrastructure.	Access is provided in accordance with the standards identified in the Development manual planning scheme policy no. SC6.4 — SC6.4.5.5	The development proposes access from Waverley Lane via the existing vehicle crossing located on Easement B on SP159422.	
	Driveways, SC6.4.5.3 Public Transport Facilities, SC6.4.5.4 Car Parking and SC6.4.3 Standard Drawings.	For further details in relation to the location and form of the proposed driveway, refer to Section 5.0 of Geleon Traffic and Transport Assessment Report 50969-RP01-A	
PO13	A013	COMPLIES WITH AO13	
All vehicles reasonably expected to access the site can safely manoeuvre to allow vehicles to exit and enter in a forward motion.	Access is provided in accordance with the standards identified in Development manual planning scheme policy no. SC6.4 - SC6.4.5.5 Driveways, SC6.4.5.3 Public Transport Facilities, SC6.4.5.4 Car Parking and SC6.4.3 Standard Drawings such that all vehicles reasonably	Servicing is proposed to be undertaken by an 8.8m Medium Rigid Vehicle (MRV) and a Front Loader Refuse Collection Vehicle (RCV). MRV and RCV service vehicles will stand on-site within the internal car park to service the development site.	
	expected to access the site, can exit and enter in a forward motion with no more than a three-point turn.	For further details in this regard, refer to the plans of development and Section 5.3 of Geleon Traffic and Transport Assessment Report 50969-RP01-A .	
Pedestrian and cyclist facilities			
P014	A014	COMPLIES WITH PO14	
Provision is made for the safe and convenient movement of pedestrians on-site and connecting to the external network, having regard to desire lines, legibility, safety, topographical constraints, shading and other weather protection and equitable access arrangements.	No acceptable outcome is nominated.	Footpath connectivity is provided from the Waverley Lane road frontage into Lot 01 of the development site separate to the vehicle access (refer to the plans of development).	
PO15	AO15	COMPLIES WITH PO15	
Provision is made for safe and convenient cycle movement to the site and within the site and connecting to the external network	No acceptable outcome is nominated.		

Document Set ID: 27247319 Page 3 of 7 Issue Date: 9 June 2025 Proposed Multiple Dwelling Development 12-14 Waverly Lane, Douglas Traffic and Transport Assessment

Performance outcomes	Acceptable outcomes	Comment	
having regard to desire lines, users' needs, safety, topographical constraints and legibility.		Footpath connectivity is provided from the Waverley Lane road frontage into the development site separate to the vehicle access (refer to the plans of development).	
PO16	AO16	COMPLIES WITH PO16	
Parking areas, pathways and other elements of transport network infrastructure are designed to enhance public safety by discouraging crime and antisocial behaviour, having regard to:	No acceptable outcome is nominated.	The development will be designed at the detailed design stage to comply with these requirements.	
(a) provision of opportunities for casual surveillance;			
(b) provision of lighting;			
(c) the use of fencing to define public and private spaces, whilst allowing for appropriate sight lines;			
(d) minimising potential concealment points and assault locations;			
(e) minimising opportunities for graffiti and other vandalism; and			
(f) restricting unlawful access to buildings and between buildings.			
Parking		,	
P017	A017	COMPLIES WITH AO17	
Provision is made for on-site vehicle parking to:	Parking is provided in accordance with the standards identified in	The total car parking requirement for the development is 66 car parking	
 (a) meet the demand likely to be generated by the development; and (b) avoid on street parking that would adversely impact on the safety or capacity of the road network or unduly impact on local amenity. 	Parking rates planning scheme policy no. SC6.10.	spaces comprising seven residential spaces for Block A, 26 residential spaces for Block B, 26 residential spaces for Block C and seven visitor spaces. The development provides a total of 66 car parking spaces comprising five residential spaces for Block A, 21 residential spaces for Block B, 22 residential spaces for Block C, 11 outdoor residential spaces and seven freely accessible visitor spaces.	
		For further details in this regard, refer to the plans of development, and Section 4.0 of Geleon Traffic and Transport Assessment Report 50969-RP01-A.	
PO18	A018	COMPLIES WITH AO18	
Parking ensures access is provided for people with disabilities.	Parking areas are designed in accordance with the standards identified in the Development manual planning scheme policy no. SC6.4 — SC6.4.5.4 Car Parking.	In accordance with NCC requirements, no PWD parking is required for a multiple dwelling development. Therefore, no PWD parking has been provided.	

Page 4 of 7 Issue Date: 9 June 2025 Report: 50969-RP01-A
Document Set ID: 27247319

Performance outcomes	Acceptable outcomes	Comment	
		For further details in this regard, refer to Section 4.0 of Geleon Traffic and Transport Assessment Report 50969-RP01-A .	
PO19	AO19	Not applicable.	
Where the nature of the proposed development creates a demand, provision is made for set-down and pick-up facilities by bus, taxis or private vehicle, which:	No acceptable outcome is nominated.		
(a) are safe for pedestrians and vehicles;			
(b) are conveniently connected to the main component of the development by pedestrian pathway; and			
(c) provide for pedestrian priority and clear sight lines.			
PO20	AO20	Complies with PO20	
Parking and servicing areas are designed to:	No acceptable outcome is nominated.	The car parking design for the proposed development has been	
(a) be clearly defined, marked and signed;		undertaken generally in accordance with Australian Standard AS2890.1 Parking Facilities.	
(b) be convenient and accessible;		Refer to the plans of development, Section 4.4 and Section 5.3 of	
(c) minimise large unbroken areas of hardstand to the extent practicable;		Geleon Traffic and Transport Assessment Report 50969-RP01-A.	
(d) be safe for vehicles, pedestrians and cyclists;			
(e) provide shading;			
(f) be located to encourage multi-purpose trip ends and minimise vehicle movements within the site; and			
(g) minimise any adverse impacts on the amenity of surrounding land.			
PO21	A021	Complies with AO21	
Vehicle spaces have adequate dimensions to meet user requirements.	Parking areas are designed in accordance with the standards identified in the Development manual planning scheme policy no. SC6.4 — SC6.4.5.3 Public Transport Facilities and SC6.4.5.4 Car Parking.	The car parking design for the proposed development has been undertaken generally in accordance with Australian Standard AS2890.1 – Parking Facilities.	
		Refer to the plans of development and Section 4.4 of Geleon Traffic and Transport Assessment Report 50969-RP01-A .	

Report: 50969-RP01-A Document Set ID: 27247319 Page 5 of 7 Issue Date: 9 June 2025

Version: 1, Version Date: 24/06/2025

Traffic and Transport Assessment

Performance outcomes	Acceptable outcomes	Comment	
PO22	AO22	COMPLIES WITH PO22	
Pavement is constructed to an appropriate standard.	No acceptable outcome is nominated.	The development will be designed at the detailed design stage to comply with this requirement.	
PO23	AO23	COMPLIES WITH PO23	
Parking and servicing areas are kept accessible and available for use as a parking area at all times during the normal business hours of the activity.	No acceptable outcome is nominated	The development will comply with this requirement.	
PO24	AO24	COMPLIES WITH PO24	
Visitor parking for accommodation activities remains accessible and useable to visitors at all times.	No acceptable outcome is nominated	The development will comply with this requirement.	
PO25	AO25	Not applicable.	
Multi-level parking areas are designed, articulated and finished to make a positive contribution to the local external streetscape character, as well as the internal user experience of the facility ensuring way finding technologies and aesthetic treatments are provided.	No acceptable outcome is nominated		
Servicing			
PO26	A026	Complies with AO20	
Provision is made for the on-site loading, unloading, manoeuvring and access by service vehicles that:	Servicing areas are provided and designed in accordance with the standards identified in the Development manual planning scheme policy no. SC6.4 – SC6.4.5.3 Public Transport Facilities and SC6.4.5.4 Car	Servicing is proposed to be undertaken by an 8.8m Medium Rigid Vehicle (MRV). The development site provides suitable standing area within the development site.	
 (a) are adequate to meet the demands generated by the development; 	Parking.	Refer to the plans of development and Section 5.3 of Geleon Traffic a	
(b) are able to accommodate the design service vehicle requirements; and		Transport Assessment Report 50969-RP01-A.	
(c) does not unduly impede vehicular, cyclist and pedestrian safety and convenience both within the site and external to the site.			
PO27	A027	COMPLIES WITH AO27	
Refuse collection vehicles are able to safely access on-site refuse collection facilities.	Refuse collection areas are provided and designed in accordance with the standards identified in the Development manual planning scheme		

Document Set ID: 27247319 Page 6 of 7 Issue Date: 9 June 2025

Proposed Multiple Dwelling Development 12-14 Waverly Lane, Douglas Traffic and Transport Assessment

Performance outcomes	Acceptable outcomes	Comment
	policy no. SC6.4 – SC6.4.22 Waste Management, SC6.4.5.3 Public Transport Facilities and SC6.4.5.4 Car Parking.	The development site provides suitable space for a RCV to perform a turn around manoeuvre to enter and exit the development site in a forward gear. For further details in this regard, refer to Section 5.3 and Appendix C of Geleon Traffic and Transport Assessment Report 50969-RP01-A
PO28	AO28	Complies with PO28
Servicing arrangements minimise any adverse impact on the amenity of premises in the vicinity, having regard to operating hours, noise generation, proximity to sensitive uses, odour generation and	No acceptable outcome is nominated	Servicing is proposed to be undertaken by an 8.8m Medium Rigid Vehicle (MRV). The development site provides suitable standing area within the development site.
dust.		Refer to the plans of development and Section 5.3 of Geleon Traffic and Transport Assessment Report 50969-RP01-A .

Page 7 of 7 Issue Date: 9 June 2025 GELEON

Geleon Consulting Pty Ltd ABN 58 668 001 303

Suite 12, Level 1, 3029 The Boulevard Emerald Lakes, Carrara PO Box 454, Nerang, Qld, 4211 tel (07) 5594 4473

geleon.com.au



Attachment 7

May 2025

dwg. no. LCP-OPL-006/02

Landscape Concept Plan - Sheet 2 of 4

2-14 Waverley Lane, Douglas, Townsville

PROPOSED MULTIPLE DWELLINGS

EE87E9 /0±0 :W

Sunshine Coast Landscape Architects Pty Ltd

MADDEM

with some seats provided to other turfed areas to allow residents to sit outside in the "landscape". Furniture elements - seats, gazebo, tables/seats - are proposed to the swimming pool surrounds

plants can/will be used to feature areas around the swimming pool (and gazebo), building entries proposed are predominantly native trees, shrubs and groundcovers though some exotic, colourful Plant species to be used on the development site are shown on Sheet 4 but typically the species sconud the buildings where possible.

maintenance "paths" - a gravel or similar surface - to provide access for maintenance staff parking areas to the units which are accessed via the undercover car parking areas; informal path links - stepping stones - to provide informal pedestrian connections from car

the riverside walks, Tavern and Federation footbridge;

courtyard to the riverside walkway to allow residents quick and easy access (better connectivity) to lane where shown on the plans and with a possible pedestrian path link from a small turfed concrete path links - decorative, coloured concrete suggested - from the buildings to Waverley ewimming pool for privacy and as a colourful element in the "landscape";

colorum bisuriuge - a mixinte oi usine tiees and exolic suride/ficondiconets - storing tie

due to a lack of sunlight;

planting beds to the many small and narrow areas around the buildings where turf will not grow turfed areas where planting is not required to provide a useable surface and prevent erosion; integrate the site with it's surroundings;

native riparian planting and is intended to somewhat reduce the mass of the buildings and better these areas will be predominantly native plants reflecting the character of the existing and adjacent ecteen planting (mixed height canopy) along all boundaries where space permits - planting to s eximuling pool as well as the site's surroundings and location, ine works will consist of: The proposed landscape works are intended to reflect the site's usage as a unit development with

screen much of the development from the other side of the river. though the strip of existing riparian vegetation along the banks of the Ross River will effectively

The site (and proposed development) is/will be highly visible to all these surrounding land uses apartments are similar in height, mass and density to this proposed development.

Apartments, a 5 storey building containing apartments and retail/office spaces. These existing aurrounded by a mixture of single/two storey homes and/or townhouses and Edgewater close proximity to the riverside walkway, Riverview Tavern and Federation footbridge. It is The proposed development site occupies a prominent location on the banks of the Ross River in

DESIGN INTENT Landscape Works:



refer to "Suggested Plant Species" schedule on Sheet 4 tree and palm planting



beds for residents, visitors and maintenance personnel precast concrete pavers for a minor pedestrian path thru planting stepping stone minor path



provide a maintenance access "path" for personnel stone mulch areas where planting/turf is not required and to stone mulch paths



typically coloured, exposed aggregate concrete or similar decorative paving



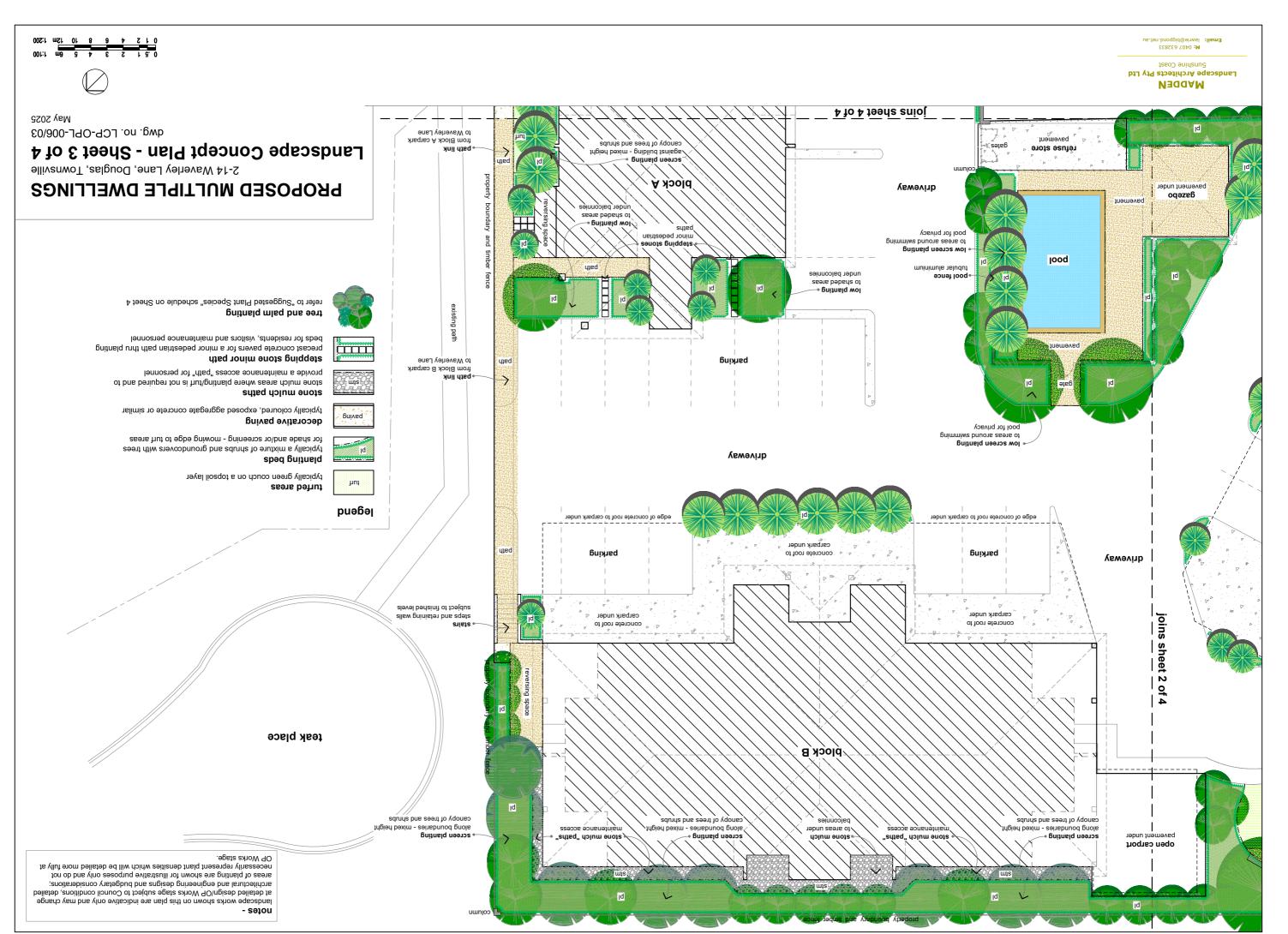
for shade and/or screening - mowing edge to turf areas typically a mixture of shrubs and groundcovers with trees planting beds



typically green couch on a topsoil layer turfed areas

puəbəj





Sunshine Coast Landscape Architects Pty Ltd MADDEN

May 2025 dwg. no. LCP-OPL-006/04

Landscape Concept Plan - Sheet 4 of 4

2-14 Waverley Lane, Douglas, Townsville PROPOSED MULTIPLE DWELLINGS

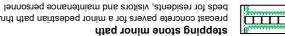
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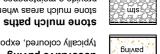
012 4 6 8 10 12m 1:200



refer to "Suggested Plant Species" schedule on this Sheet tree and palm planting



blecast concrete pavers for a minor pedestrian pain unu pianting stepping stone minor path provide a maintenance access "path" for personnel stone mulch areas where planting/turf is not required and to



typically coloured, exposed aggregate concrete or similar decorative paving



for shade and/or screening - mowing edge to turf areas typically a mixture of shrubs and groundcovers with trees planting beds

aluminium fence



typically green couch on a topsoil layer turfed areas

puəbəj

necessarily represent plant densities which will be detailed more fully at areas of planting are shown for illustrative purposes only and do not architectural and engineering designs and budgetary considerations; at detailed design/OP Works stage subject to Council conditions, detailed landscape works shown on this plan are indicative only and may change waverley lane aluminium fence to match height/materials of pedestrian gate broperty boundary and aluminium tence eutry to Waverley Lane

4 to £ teets of 4

YUCCA desmetiana STRELITZEA reginae SPATHYPHYLLUM Peace Lily RUSSELIA species (Firecracker, Lemon Falls) CORDYLINE species CODIAEUM species (crotons)

Accent Plants

VIOLA hederacae TRACHELOSPERMUM tricolor RHOEO dwarf form PHYLLANTHUS multiflorus PHILODENDRON xanadu **OPHIOPOGAN** species LOMANDRA hystrix LIRIOPE species (green, white, variegated) **GARDENIA** radicans DIANELLA species (caerulea, Silver Border CASUARINA glauca protrate AUSTROMYRTUS duicis

Groundcovers

XANTHESTEMON species (Fairhill Gold, Little Goldie) SYZYGIUM species (Aussie Southern and Boomer, Hinterland Gold) RAPHIOLEPSIS species (Springtime, pink etc) RADERMACHERA Summerscent PHYLLANTHUS cuscutifloris

NANDINA domestica MICHELIA figo MELALEUCA species (Claret Tops, Snowstom, Snowfire)

IXORA species (Coral Fire, Malay Pink, dwarf red/yellow/pink etc) HIBISCUS species (Roseflake)

CALLISTEMON species (Great Balls of Fire, Captain Cook, Wildfire, Mauve Mist) ACMENA Allyn Magic

ACALYPHA species (dwarf)

Sprubs

LIVISTONIA australis **ARCHONTOPHOENIX** alexandrae

XANTHESTEMON chrysanthus WATERHOUSIA floribundum TABEBUIA species (pallida, palmerii) SYZYGIUM species (cormiflorum, forte) STERCULIA quadrifida NAUCLEA orientalis MIMUSOPS elengi

MELALEUCA species (leucadendra, viridiflora) CORYMBIA / EUCALYPTUS species (platyphylla, tereticornis, tessellaris)

GREVILLEA bailyeana FRAXUS grifithii **BUCKINGHAMIA** cellsissima ACMENA hemilampra

Trees

trom Block A and B carparks

MILLETIA pinnata

small clumps and mostly to internal areas of the site. It is not intended to use large numbers of palms but where used will be planted in development, including to the pool surrounds and Waverley Street frontage. shrubs, groundcovers) will generally be restricted to more internal areas of the proximity to buildings. The use of colourful flowering native/exotic plants (trees, to these areas may be restricted somewhat due to the lack of space and/or close particularly to the boundaries facing the Ross River. However the use of large trees Typically native trees/shrubs will be used to the perimeter of the development, (exotic) plants will be used.

Note that should an irrigation system not be included in the works then less non native other plants of a similar character may be used at the detailed design/OP Works stage. weather. The list is not intended to be exhaustive, not all plants listed may be used and Townsville's climate and soils provided they are watered adequately during periods of dry tropical plants (a mix of native and non native species) which are known to grow well in be used throughout the proposed development. They can be typically described as The following lists of plant species is intended to indicate the type and style of plants to

PROPOSED PLANT SPECIES LIST

dwg. no. LCP-OPL-006/01 Landscape Architects Pty Ltd Sunshine Coast Landscape Concept Plan - Site Plan (Sheet 1 of 4) MADDEM 2-14 Waverley Lane, Douglas, Townsville PROPOSED MULTIPLE DWELLINGS refer dwg. 04 - sheet 4 of 4 waverley lane property boundary and aluminium fence entry refuse store plock **A** driveway barking - refer dwg. 03 - sheet 3 of 4 - refer dwg. 02 - sheet 2 of 4



Attachment 8

DA Form 1 – Development application details

Approved form (version 1.6 effective 2 August 2024) made under section 282 of the Planning Act 2016.

This form **must** be used to make a development application **involving code assessment or impact assessment**, except when applying for development involving only building work.

For a development application involving **building work only**, use *DA Form 2 – Building work details*.

For a development application involving **building work associated with any other type of assessable development** (i.e. material change of use, operational work or reconfiguring a lot), use this form (*DA Form 1*) and parts 4 to 6 of *DA Form 2 – Building work details*.

Unless stated otherwise, all parts of this form **must** be completed in full and all required supporting information **must** accompany the development application.

One or more additional pages may be attached as a schedule to this development application if there is insufficient space on the form to include all the necessary information.

This form and any other form relevant to the development application must be used to make a development application relating to strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994*, and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008*. For the purpose of assessing a development application relating to strategic port land and Brisbane core port land, any reference to a planning scheme is taken to mean a land use plan for the strategic port land, Brisbane port land use plan for Brisbane core port land, or a land use plan for airport land.

Note: All terms used in this form have the meaning given under the Planning Act 2016, the Planning Regulation 2017, or the Development Assessment Rules (DA Rules).

PART 1 - APPLICANT DETAILS

Applicant name(s) (individual or company full name)	Opulence Builders Group C/- Northpoint Planning
***	Opulefice Builders Group O/- Northpoint Flamining
Contact name (only applicable for companies)	Mary McCrathy
Postal address (P.O. Box or street address)	PO Box 4
Suburb	Townsville
State	QLD
Postcode	4810
Country	Australia
Contact number	(07) 4440 5282
Email address ()	hello@northpointplanning.com.au
Email address (non-mandatory)	mary@northpointplanning.com.au
Mobile number (non-mandatory)	
Fax number (non-mandatory)	
Applicant's reference number(s) (if applicable)	NP24.257
1.1) Home-based business	
Personal details to remain private in accorda	ance with section 264(6) of <i>Planning Act 2016</i>

2) Owner's consent
2.1) Is written consent of the owner required for this development application?
Yes – the written consent of the owner(s) is attached to this development application
□ No – proceed to 3)



PART 2 – LOCATION DETAILS

Note: P	ation of the provide details be Suide: Relevant	elow and							nt app	olication. For further information, see <u>DA</u>
3.1) St	reet address	and lo	ot on pla	an						
⊠ Str	eet address	AND I	ot on pla	n (all lots	must be liste	d), or				
	eet address er but adjoining								e pre	emises (appropriate for development in
	Unit No.	Stree	t No.	Street Name and Type		е			Suburb	
- \	12-14		Waverl	ey Lane					Douglas	
a)	Postcode	Lot N	0.	Plan Ty	ype and Nu	umber (e	g. R	P, SP)		Local Government Area(s)
	4814	999		SP1594	422					Townsville City Council
	Unit No.	Stree	t No.	Street I	Name and	Туре				Suburb
		237-2	239	Waverl	ey Lane					Douglas
b)	Postcode	Lot N	0.	Plan Ty	ype and Νι	ımber <i>(e</i>	e.g. R	P, SP)		Local Government Area(s)
		0		SP177	536					Townsville City Council
е.	oordinates o g. channel dred lace each set o	ging in N	Noreton B	ay)		ent in remo	te are	as, over part of	a lot	or in water not adjoining or adjacent to land
☐ Co	ordinates of	premis	es by lo	ngitude	and latitud	е				
Longit	ude(s)		Latitud	le(s)		Datum			Lo	ocal Government Area(s) (if applicable)
☐ WGS84 ☐ GDA94 ☐ Other:										
☐ Co	ordinates of	premis	es by e	asting ar	nd northing	1	· ·		•	
Eastin	g(s)	North	ing(s)	Z	one Ref.	Datum			Lo	ocal Government Area(s) (if applicable)
					54	□WG	S84			
					55	GD	A94			
					<u>56</u>	Oth	er:			
3.3) A	dditional pre	mises								
 ☐ Additional premises are relevant to this development application and the details of these premises have been attached in a schedule to this development application ☑ Not required 										
4) Ider	ntify any of th	ne follo	wing tha	at apply t	to the pren	nises an	d pro	vide any rele	evan	nt details
	or adjacent to									
	of water boo		_					•		
	strategic po	-				tructure	Act :	1994		
	plan descrip				•					
ł	of port author		_	•						
	a tidal area	, -								
Name of local government for the tidal area (if applicable):										
	of port author									

On airport land under the Airport Assets (Restructuring and Disposal) Act 2008
Name of airport:
Listed on the Environmental Management Register (EMR) under the Environmental Protection Act 1994
EMR site identification:
Listed on the Contaminated Land Register (CLR) under the Environmental Protection Act 1994
CLR site identification:
5) Are there any existing easements over the premises?
Note: Easement uses vary throughout Queensland and are to be identified correctly and accurately. For further information on easements and how they may affect the proposed development, see <u>DA Forms Guide</u> .
∑ Yes – All easement locations, types and dimensions are included in plans submitted with this development application
□ No
PART 3 – DEVELOPMENT DETAILS

Section 1 – Aspects of development

6.1) Provide details about the	e first development aspect		
a) What is the type of develo	ppment? (tick only one box)		
	☐ Reconfiguring a lot	Operational work	☐ Building work
b) What is the approval type	? (tick only one box)		
□ Development permit	☐ Preliminary approval	☐ Preliminary approval the	at includes a variation approval
c) What is the level of assess	sment?		
☐ Code assessment		res public notification)	
d) Provide a brief description lots):	of the proposal (e.g. 6 unit apart	tment building defined as multi-unit	dwelling, reconfiguration of 1 lot into 3
Material Change of Use – Mu	ultiple Dwelling (34 Units)		
e) Relevant plans Note: Relevant plans are required to Relevant plans.	to be submitted for all aspects of this	development application. For furthe	er information, see <u>DA Forms guide:</u>
Relevant plans of the pro	posed development are attach	ned to the development appl	ication
0.0\ D			
6.2) Provide details about the	e second development aspect		
a) What is the type of develo	· · · · · · · · · · · · · · · · · · ·		
,	· · · · · · · · · · · · · · · · · · ·	Operational work	☐ Building work
a) What is the type of develo	pment? (tick only one box) Reconfiguring a lot		☐ Building work
a) What is the type of develo	pment? (tick only one box) Reconfiguring a lot	Operational work	☐ Building work at includes a variation approval
a) What is the type of develo Material change of use b) What is the approval type	ppment? (tick only one box) Reconfiguring a lot ? (tick only one box) Preliminary approval	Operational work	
a) What is the type of develor Material change of use b) What is the approval type? Development permit	ppment? (tick only one box) Reconfiguring a lot ? (tick only one box) Preliminary approval	☐ Operational work ☐ Preliminary approval th	
a) What is the type of develor Material change of use b) What is the approval type? Development permit c) What is the level of assess Code assessment	ppment? (tick only one box) Reconfiguring a lot ? (tick only one box) Preliminary approval sment? Impact assessment (requine)	☐ Operational work ☐ Preliminary approval the res public notification)	
a) What is the type of develor Material change of use b) What is the approval type Development permit c) What is the level of assess Code assessment d) Provide a brief description	ppment? (tick only one box) Reconfiguring a lot ? (tick only one box) Preliminary approval sment? Impact assessment (requine)	☐ Operational work ☐ Preliminary approval the res public notification)	at includes a variation approval
a) What is the type of develor Material change of use b) What is the approval type Development permit c) What is the level of assess Code assessment d) Provide a brief description lots): e) Relevant plans	ppment? (tick only one box) Reconfiguring a lot ? (tick only one box) Preliminary approval sment? Impact assessment (requine)	☐ Operational work ☐ Preliminary approval the res public notification) tment building defined as multi-unit	at includes a variation approval dwelling, reconfiguration of 1 lot into 3



	,				
6.3) Additional aspects of develop		a malay sant ta	this development application	an and the details for the	
Additional aspects of developed that would be required under					
Not required ■					
6.4) Is the application for State f	acilitated	developme	ent?		
Yes - Has a notice of declara	ation beer	n given by tl	ne Minister?		
⊠ No					
Continu O Further develop		.taila			
Section 2 – Further develop					
7) Does the proposed developm			•	not a local planning instr	umont
Material change of use	_	•	livision 1 if assessable agai	ist a local planning instr	ument
Reconfiguring a lot Operational work		- complete o			
Building work		· ·	DA Form 2 – Building work o	lotails	
Building work	☐ Tes =	complete L	DA FOITH 2 - Building Work C	letalis	
Division 1 – Material change of	use				
Note : This division is only required to be c		any part of the	e development application involves	a material change of use asse	essable against a
local planning instrument. 8.1) Describe the proposed mate	erial char	nge of use			
Provide a general description of			e planning scheme definition	n Number of dwelling	Gross floor
proposed use			n definition in a new row)	units (if applicable)	area (m²)
					(if applicable)
Multiple Dwelling		Multiple D	welling	34	3,455
8.2) Does the proposed use invo	olve the u	ise of existii	ng buildings on the premises	5?	
Yes					
⊠ No					
8.3) Does the proposed develop		· · · · · · · · · · · · · · · · · · ·			gulation?
Yes – provide details below	or include	details in a	schedule to this developme	ent application	
⊠ No					
Provide a general description of	the temp	orary accep	oted development	Specify the stated pe under the Planning F	
				under the Flaming P	regulation
Division 2 – Reconfiguring a lo	t				
Note: This division is only required to be c	ompleted if	any part of the	e development application involves	reconfiguring a lot.	
9.1) What is the total number of	existing l	ots making	up the premises?		
9.2) What is the nature of the lot	treconfig	uration? (tic			
Subdivision (complete 10)				by agreement (complete 1	
Boundary realignment (comple	ete 12)		Creating or changing ar from a constructed road	n easement giving acces <i>(complete 13</i>)	s to a lot
			a conditacted four	(55.7)	



10) Subdivision						
10.1) For this devel	opment, how	many lots are	being creat	ed and what	is the intended us	e of those lots:
Intended use of lots	created	Residential	Com	mercial	Industrial	Other, please specify:
Number of lots crea	ted					
10.2) Will the subdi	vicion ho etc	and?				
Yes – provide ad						
☐ No	aditional dete	ans below				
How many stages w	vill the works	include?				
What stage(s) will the	nis developn	nent application				
apply to?						
11) Dividing land int	o narte hy a	rreement — how	v many nart	s are being (created and what is	the intended use of the
parts?	o parts by a	greement – now	r many part	s are being t	Sicalcu allu Wilat is	the interface ase of the
Intended use of par	ts created	Residential	Com	mercial	Industrial	Other, please specify:
Number of parts cre	eated					
12) Boundary realig	ınmont					
12.1) What are the		nronosed areas	for each lo	t comprising	the premises?	
12.1) What are the	Current		TOI CACITIO	Comprising	Propos	sed lot
Lot on plan descript		rea (m²)		Lot on plan		Area (m²)
		,			·	,
12.2) What is the re	ason for the	boundary reali	gnment?			
40) \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Land Comment Comment				10
(attach schedule if there			existing ea	isements dei	ing changed and/oi	any proposed easement?
Existing or	Width (m)	Length (m)			ent? (e.g.	dentify the land/lot(s)
proposed?			pedestrian a	ccess)	į t	enefitted by the easement
Division 3 – Operati	ional work					
Note: This division is only i				pment applicati	ion involves operational	work.
14.1) What is the na	ature of the c	operational work	Stormwate	or.	☐ Water infra	actructure.
☐ Drainage work		<u></u>] Storriwate] Earthwork		<u> </u>	frastructure
Landscaping			Signage		☐ Clearing ve	
☐ Other – please s	specify:					
14.2) Is the operation	onal work ne	cessary to facili	tate the cre	ation of new	lots? (e.g. subdivision	n)
Yes – specify nu	ımber of new	v lots:				
☐ No						



14.3) What is the monetary value of the proposed operational work? (include GST, materials and labour)	
\$	

PART 4 – ASSESSMENT MANAGER DETAILS

15) Identify the assessment manager(s) who will be assessing this development application
Townsville City Council
16) Has the local government agreed to apply a superseded planning scheme for this development application?
Yes – a copy of the decision notice is attached to this development application The local government is taken to have agreed to the superseded planning scheme request – relevant documents attached
No No

PART 5 - REFERRAL DETAILS

17) Does this development application include any aspects that have any referral requirements? Note: A development application will require referral if prescribed by the Planning Regulation 2017.
No, there are no referral requirements relevant to any development aspects identified in this development application − proceed to Part 6
Matters requiring referral to the Chief Executive of the Planning Act 2016:
☐ Clearing native vegetation
Contaminated land (unexploded ordnance)
Environmentally relevant activities (ERA) (only if the ERA has not been devolved to a local government)
Fisheries – aquaculture
Fisheries – declared fish habitat area
Fisheries – marine plants
Fisheries – waterway barrier works
Hazardous chemical facilities
Heritage places – Queensland heritage place (on or near a Queensland heritage place)
☐ Infrastructure-related referrals – designated premises
Infrastructure-related referrals – state transport infrastructure
Infrastructure-related referrals – State transport corridor and future State transport corridor
Infrastructure-related referrals – State-controlled transport tunnels and future state-controlled transport tunnels
Infrastructure-related referrals – near a state-controlled road intersection
Koala habitat in SEQ region – interfering with koala habitat in koala habitat areas outside koala priority areas
☐ Koala habitat in SEQ region – key resource areas
 □ Ports – Brisbane core port land – near a State transport corridor or future State transport corridor □ Ports – Brisbane core port land – environmentally relevant activity (ERA)
Ports – Brisbane core port land – environmentally relevant activity (ERA)
Ports – Brisbane core port land – tidal works of work in a coastal management district Ports – Brisbane core port land – hazardous chemical facility
Ports – Brisbane core port land – hazardous chemical facility Ports – Brisbane core port land – taking or interfering with water
Ports – Brisbane core port land – taking of interfering with water
Ports – Brisbane core port land – felerable dams
Ports – Land within Port of Brisbane's port limits (below high-water mark)
SEQ development area
☐ SEQ regional landscape and rural production area or SEQ rural living area – tourist activity or sport and
recreation activity
☐ SEQ regional landscape and rural production area or SEQ rural living area – community activity
☐ SEQ regional landscape and rural production area or SEQ rural living area – indoor recreation
☐ SEQ regional landscape and rural production area or SEQ rural living area – urban activity
SEQ regional landscape and rural production area or SEQ rural living area – combined use
SEQ northern inter-urban break – tourist activity or sport and recreation activity



 SEQ northern inter-urban break – community activity SEQ northern inter-urban break – indoor recreation SEQ northern inter-urban break – urban activity SEQ northern inter-urban break – combined use Tidal works or works in a coastal management district Reconfiguring a lot in a coastal management district or Erosion prone area in a coastal management district Urban design Water-related development – taking or interfering with Water-related development – removing quarry material Water-related development – referable dams Water-related development – levees (category 3 levees only Wetland protection area 	Nater (from a watercourse or lake)	
Matters requiring referral to the local government:		
☐ Airport land ☐ Environmentally relevant activities (ERA) (only if the ERA ☐ Heritage places – Local heritage places Matters requiring referral to the Chief Executive of the di		on entity:
☐ Infrastructure-related referrals – Electricity infrastructur	∀	
Initiastructure-related referrals – Electricity initiastructur	<u> </u>	
 Matters requiring referral to: The Chief Executive of the holder of the licence, if The holder of the licence, if the holder of the licence Infrastructure-related referrals – Oil and gas infrastruct Matters requiring referral to the Brisbane City Council:	is an individual	
Ports – Brisbane core port land		
Matters requiring referral to the Minister responsible for Ports – Brisbane core port land (where inconsistent with the Ports – Strategic port land Matters requiring referral to the relevant port operator, if Ports – Land within Port of Brisbane's port limits (below)	Brisbane port LUP for transport reasons) applicant is not port operator:	
<u> </u>	<u> </u>	
Matters requiring referral to the Chief Executive of the re Ports – Land within limits of another port (below high-water)	•	
Matters requiring referral to the Gold Coast Waterways A Tidal works or work in a coastal management district (in	•	
Matters requiring referral to the Queensland Fire and Em	ergency Service:	
☐ Tidal works or work in a coastal management district (in		nerths))
	Troising a maima (more than six vesser t	701ti10]]
18) Has any referral agency provided a referral response f ☐ Yes – referral response(s) received and listed below ar ☐ No	<u> </u>	
Referral requirement	Referral agency	Date of referral response
Totoliai requirement	recipital agency	Date of referral response
Identify and describe any changes made to the proposed or referral response and this development application, or incl (if applicable).		-

PART 6 - INFORMATION REQUEST

19) Information request under th	ne DA Rules			
☑ I agree to receive an information	ation request if determined neces	sary fo	r this development applic	ation
☐ I do not agree to accept an i	nformation request for this develo	pment	application	
	rmation request I, the applicant, acknowle			
application and the assessment n	will be assessed and decided based on to nanager and any referral agencies releval formation provided by the applicant for the	nt to the	development application are no	ot obligated under the DA
parties				
•	Rules will still apply if the application is a			f the DA Rules or
Further advice about information reques	Rules will still apply if the application is fo sts is contained in the DA Forms Guide	State 1a	icilitated development	
Turmer duvice about mormation reques	sis is domained in the <u>Briti offile Garde</u> .			
PART 7 – FURTHER DI	ΕΤΔΙΙ Ο			
I ART I – I ORTHER DI	LIAILO			
20) A 4		4		
	evelopment applications or curren			roval)
	or include details in a schedule to	this d	evelopment application	
⊠ No				
List of approval/development	Reference number	Date		Assessment
application references				manager
☐ Approval				
☐ Development application				
☐ Approval				
☐ Development application				
	•			
21) Has the portable long service operational work)	ce leave levy been paid? (only appl	icable to	development applications invo	lving building work or
☐ Yes – a copy of the receipted	d QLeave form is attached to this	develo	opment application	
	vide evidence that the portable lo			paid before the
	es the development application. I			
	I only if I provide evidence that th	•	~	vy has been paid
☑ Not applicable (e.g. building	and construction work is less tha	n \$150),000 excluding GST)	
Amount paid	Date paid (dd/mm/yy)		QLeave levy number (A	, B or E)
\$				
22) Is this development applicat notice?	tion in response to a show cause	notice	or required as a result of	an enforcement
	amont notice is offered			
Yes – show cause or enforce	ernent notice is attached			
⊠ No				

23) Further legislative require	ments		
Environmentally relevant ac	ctivities		
23.1) Is this development app	lication also taken to be an app	olication for an environmenta	l authority for an
	activity (ERA) under section 11		
	nent (form ESR/2015/1791) for ment application, and details are		
⊠ No			
	al authority can be found by searching o operate. See www.business.gld.gov.		at <u>www.qld.gov.au</u> . An ERA
Proposed ERA number:		Proposed ERA threshold:	
Proposed ERA name:			
Multiple ERAs are applica this development applicati	ble to this development applicat on.	tion and the details have bee	en attached in a schedule to
Hazardous chemical facilities	<u>es</u>		
23.2) Is this development app	lication for a hazardous chemi	ical facility?	
	on of a facility exceeding 10% o	of schedule 15 threshold is a	ttached to this development
application ⊠ No			
	for further information about hazardous	s chemical notifications.	
Clearing native vegetation			
	application involve clearing na		
the chief executive of the Veg section 22A of the Vegetation	netation Management Act 1999 Management Act 1999?	is satisfied the clearing is for	r a relevant purpose under
☐ Yes – this development ap Management Act 1999 (s2	oplication includes written confir 22A determination)	rmation from the chief execut	tive of the Vegetation
⊠ No	,		
Note: 1. Where a development app	lication for operational work or material n is prohibited development.	change of use requires a s22A dete	ermination and this is not included,
2. See https://www.qld.gov.au	/environment/land/vegetation/applying	for further information on how to ob	otain a s22A determination.
Environmental offsets			
	lication taken to be a prescribe matter under the Environment		gnificant residual impact on
	an environmental offset must be al impact on a prescribed enviro		d activity assessed as
⊠No	·		
Note : The environmental offset secti environmental offsets.	on of the Queensland Government's we	ebsite can be accessed at <u>www.qld</u> .	<u>.gov.au</u> for further information on
Koala habitat in SEQ Regio	<u>n</u>		
	application involve a material cl nent under Schedule 10, Part 1		
l <u> </u>	plication involves premises in the		•
	plication involves premises in the	he koala habitat area outside	e the koala priority area
Note: If a koala habitat area determ.	ination has been obtained for this premi	nises and is current over the land it.	should be provided as part of this
	habitat area guidance materials at <u>www</u>		



23.6) Does this development application involve taking or interfering with underground water through an artesian or subartesian bore, taking or interfering with water in a watercourse, lake or spring, or taking overland flow water under the <i>Water Act 2000</i> ?
 Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the <i>Water Act 2000</i> may be required prior to commencing development No
Note: Contact the Department of Resources at <u>www.resources.qld.gov.au</u> for further information.
DA templates are available from <u>planning.statedevelopment.qld.gov.au</u> . If the development application involves:
Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1
 Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2 Taking overland flow water: complete DA Form 1 Template 3.
Taking Cronaile near nation 2011, Clin 1, Template C.
Waterway barrier works
23.7) Does this application involve waterway barrier works?
☐ Yes – the relevant template is completed and attached to this development application☐ No
DA templates are available from <u>planning.statedevelopment.gld.gov.au</u> . For a development application involving waterway barrier works, complete DA Form 1 Template 4.
Marine activities
23.8) Does this development application involve aquaculture, works within a declared fish habitat area or removal, disturbance or destruction of marine plants?
Yes – an associated <i>resource</i> allocation authority is attached to this development application, if required under the <i>Fisheries Act 1994</i>
⊠ No
Note : See guidance materials at <u>www.daf.qld.gov.au</u> for further information.
Quarry materials from a watercourse or lake
23.9) Does this development application involve the removal of quarry materials from a watercourse or lake under the <i>Water Act 2000?</i>
☐ Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development ☐ No
Note : Contact the Department of Resources at <u>www.resources.gld.gov.au</u> and <u>www.business.gld.gov.au</u> for further information.
Quarry materials from land under tidal waters
23.10) Does this development application involve the removal of quarry materials from land under tidal water under the <i>Coastal Protection and Management Act 1995?</i>
☐ Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development ☐ No
Note: Contact the Department of Environment, Science and Innovation at www.desi.gld.gov.au for further information.
Referable dams
23.11) Does this development application involve a referable dam required to be failure impact assessed under section 343 of the <i>Water Supply (Safety and Reliability) Act 2008</i> (the Water Supply Act)?
Yes – the 'Notice Accepting a Failure Impact Assessment' from the chief executive administering the Water Supply Act is attached to this development application
No No .
Note: See guidance materials at www.resources.qld.qov.au for further information.



Water resources

Tidal work or development			
	• •	rk or development in a coasta	al management district?
	ided with this development ap	oplication: sable development that is presc	ribed tidal work (only required
if application involves pre		sable development that is presc	Tibed tidal Work (offiny required
A certificate of title			
Note: See guidance materials at www	w.desi.ald.gov.au for further informa	tion.	
Queensland and local herita			
		oment on or adjoining a place en nent's Local Heritage Register	
	ge place are provided in the ta		
⊠ No			
	<u> </u>	uirements regarding development of Qu tage place and a Queensland heritage p	• '
under the Planning Act 2016 that limi	it a local categorising instrument fror	m including an assessment benchmark e guidance materials at www.planning.	about the effect or impact of,
information regarding assessment of		e galdanee materials at www.planning.	statedevelopment.qlagov.aa loi
Name of the heritage place:		Place ID:	
Decision under section 62 o	of the <i>Transport Infrastruct</i>	ure Act 1994	
23.14) Does this development	t application involve new or c	hanged access to a state-contr	olled road?
		for a decision under section 62 tion 75 of the <i>Transport Infrastro</i>	
⊠ No ′			
Walkable neighbourhoods a	assessment benchmarks u	nder Schedule 12A of the Plan	nning Regulation
23.15) Does this development (except rural residential zones		uring a lot into 2 or more lots in created or extended?	certain residential zones
		application and the assessment	benchmarks contained in
schedule 12A have been cons	sidered		
No Note: See guidance materials at ww	w.planning.statedevelopment.ald.ac	ov.au for further information.	
PART 8 – CHECKLIST	「AND APPLICANT [DECLARATION	
24) Development application of	checklist		
I have identified the assessme	ent manager in question 15 a	ind all relevant referral	
requirement(s) in question 17 Note: See the Planning Regulation 2	017 for referral requirements		⊠ Yes
		ent, Parts 4 to 6 of <u>DA Form 2</u> –	Yes
		this development application	Not applicable Not applicable
Supporting information address	ssing any applicable assessn	nent benchmarks is with the	

Note: This is a mandatory requirement and includes any relevant templates under question 23, a planning report

and any technical reports required by the relevant categorising instruments (e.g. local government planning schemes, State Planning Policy, State Development Assessment Provisions). For further information, see <u>DA</u>

Note: Relevant plans are required to be submitted for all aspects of this development application. For further

The portable long service leave levy for QLeave has been paid, or will be paid before a

Relevant plans of the development are attached to this development application



Yes

Forms Guide: Planning Report Template.

information, see <u>DA Forms Guide: Relevant plans.</u>

development permit is issued (see 21)

25) Applicant declaration	
igtimes By making this development application, I declare that	all information in this development application is true and
correct	
Where an email address is provided in Part 1 of this for	m, I consent to receive future electronic communications for the development application where written information
is required or permitted pursuant to sections 11 and 12	
Note: It is unlawful to intentionally provide false or misleading information	
Privacy – Personal information collected in this form will be	
assessment manager, any relevant referral agency and/or	
which may be engaged by those entities) while processing All information relating to this development application ma	
published on the assessment manager's and/or referral ag	
Personal information will not be disclosed for a purpose ur	
Regulation 2017 and the DA Rules except where:	, ,
	out public access to documents contained in the <i>Planning</i>
Act 2016 and the Planning Regulation 2017, and the a	ccess rules made under the <i>Planning Act 2016</i> and
 Planning Regulation 2017; or required by other legislation (including the <i>Right to Info</i> 	ermation Act 2000): or
 required by other registation (including the <i>Right to find</i>) otherwise required by law. 	imation Act 2009), of
This information may be stored in relevant databases. The	information collected will be retained as required by the
Public Records Act 2002.	The matter concessed will be retained as required by the
PART 9 – FOR COMPLETION OF THE AS	SSESSMENT MANAGER – FOR OFFICE
USE ONLY	
Date received: Reference numb	ner(s):
Pate received.	Nor(o).
Notification of engagement of alternative assessment man	ager
Prescribed assessment manager	
Name of chosen assessment manager	
Date chosen assessment manager engaged	
Contact number of chosen assessment manager	
Relevant licence number(s) of chosen assessment	
manager	
QLeave notification and payment	
Note: For completion by assessment manager if applicable	
Description of the work	
QLeave project number	
Amount paid (\$)	Date paid (dd/mm/yy)
Date receipted form sighted by assessment manager	
Date receipted form signifed by assessment manager	



Attachment 9





Queensland Titles Registry Pty Ltd ABN 23 648 568 101

Title Reference:	50557317
Date Title Created:	07/06/2005
Previous Title:	50556778

LAND DESCRIPTION

COMMON PROPERTY OF EDGE WATER COMMUNITY TITLES SCHEME 34035

COMMUNITY MANAGEMENT STATEMENT 34035

Local Government: TOWNSVILLE

REGISTERED OWNER

Dealing No: 708698179 31/05/2005

BODY CORPORATE FOR EDGE WATER COMMUNITY TITLES

SCHEME 34035

NORTHERN BODY CORPORATE MANAGEMENT

PO BOX 1595

THURINGOWA CENTRAL QLD 4817

EASEMENTS, ENCUMBRANCES AND INTERESTS

- 1. Rights and interests reserved to the Crown by Deed of Grant No. 10469224 (POR 148)
- 2. EASEMENT No 706979916 11/09/2003 at 15:46 burdening the land to LOT 999 ON SP159422 OVER EASEMENT B ON SP159422
- 3. EASEMENT IN GROSS No 707984963 18/08/2004 at 16:04 burdening the land ERGON ENERGY CORPORATION LIMITED A.C.N. 087 646 062 over

EASEMENT D ON SP169641

- BUILDING MANAGEMENT STATEMENT No 708698080 31/05/2005 at 09:28 4. benefiting and burdening the lot
- 5. REQUEST FOR NEW CMS No 723634430 30/10/2024 at 06:40 **New COMMUNITY MANAGEMENT STATEMENT 34035 COMMERCIAL MODULE**

ADMINISTRATIVE ADVICES

NIL

UNREGISTERED DEALINGS

NIL

Corrections have occurred - Refer to Historical Search Caution - Charges do not necessarily appear in order of priority ** End of Current Title Search **

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Page 1/1



Attachment 10

Subject Site and Surrounds

12-14 and 237-239 Waverley Lane | Lot 999 on SP159422 and Lot 0 on SP177536

The Mark Mark



Legend located on next page



0 25 metres

Printed at: A4

Print date: 18/6/2025

Not suitable for accurate measurement. **Projection:** Web Mercator EPSG 102100 (3857)

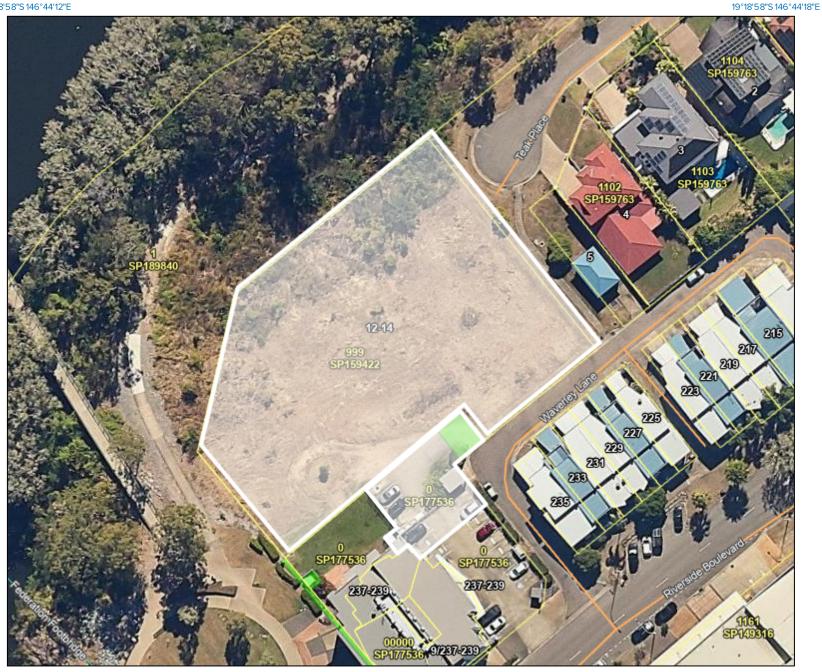
For more information, visit https://qldglobe.information.qld.gov.au/help-info/Contactus.html

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Department of Natural Resources and Mines, Manufacturing, and Regional and Rural Development



19°19'3"S 146°44'12"E