

# DEVELOPMENT APPLICATION PDPLANPMTD-2023/041111

**PROPOSAL:** Demolition of Existing Dwelling & Two New Multiple

**Dwellings** 

**LOCATION:** 12 Park Street, Bellerive

**RELEVANT PLANNING SCHEME:** Tasmanian Planning Scheme - Clarence

**ADVERTISING EXPIRY DATE:** 30 January 2024

The relevant plans and documents can be inspected at the Council offices, 38 Bligh Street, Rosny Park, during normal office hours until 30 January 2024. In addition to legislative requirements, plans and documents can also be viewed at <a href="https://www.ccc.tas.gov.au">www.ccc.tas.gov.au</a> during these times.

Any person may make representations about the application to the Chief Executive Officer, by writing to PO Box 96, Rosny Park, 7018 or by electronic mail to <a href="mailto:clarence@ccc.tas.gov.au">clarence@ccc.tas.gov.au</a>. Representations must be received by Council on or before 30 January 2024.

To enable Council to contact you if necessary, would you please also include a day time contact number in any correspondence you may forward.

Any personal information submitted is covered by Council's privacy policy, available at www.ccc.tas.gov.au or at the Council offices.

# Clarence City Council



#### APPLICATION FOR DEVELOPMENT / USE OR SUBDIVISION

The personal information on this form is required by Council for the development of land under the Land Use Planning and Approvals Act 1993. We will only use your personal information for this and other related purposes. If this information is not provided, we may not be able to deal with this matter. You may access and/or amend your personal information at any time. How we use this information is explained in our **Privacy Policy**, which is available at <a href="https://www.ccc.tas.gov.au">www.ccc.tas.gov.au</a> or at Council offices.

Proposal:	DEMOLITION OF EXISTING DWELLING, PROPOSED 2 DWELLINGS
Location:	Address 12 PARK ST.  Suburb/Town BEUERIVE Postcode 7618
Current Owners/s: Applicant:	Personal Information Removed
Tax Invoice for application fees to be in the name of: (if different from applicant)	
	Estimated cost of development \$ 800,000
	Is the property on the Tasmanian Heritage Register?
	(if yes, we recommend you discuss your proposal with Heritage Tasmania prior to lodgement as exemptions may apply which may save you time on your proposal)

38 Bligh Street, Rosny Park, Tasmania • Address correspondence to: General Manager, PO Box 96, Rosny Park 7018 • Dx: 70402 Telephone (03) 6217 9550 • Email cityplanning@ccc.tas.gov.au • Website www.ccc.tas.gov.au

	If you had pre-application discussions with a Council Officer, please give their name					
	Current Use of Site: EYISTING DWBUING					
	Does the proposal involve land administered or owned by the Crown or Council?					
Declaration:	I have read the Certificate of Title and Schedule of Easements for the land and am satisfied that this application is not prevented by any restrictions, easements or covenants.					
	I authorise the provision of a copy of any documents relating to this application to any person for the purposes of assessment or public consultation. I agree to arrange for the permission of the copyright owner of any part of this application to be obtained. I have arranged permission for Council's representatives to enter the land to assess this application					
	I declare that, in accordance with Section 52 of the Land Use Planning and Approvals Act 1993, that I have notified the owner of the intention to make this application. Where the subject property is owned or controlled by Council or the Crown, their signed consent is attached. Where the application is submitted under Section 43A, the owner's consent is attached.					
	<ul> <li>I declare that the information in this declaration is true and correct.</li> </ul>					
Acknowledgement	I acknowledge that the documentation submitted in support of my application will become a public record held by Council and may be reproduced by Council in both electronic and hard copy format in order to facilitate the assessment process; for display purposes during public consultation; and to fulfil its statutory obligations. I further acknowledge that following determination of my application, Council will store documentation relating to my application in electronic format only.					
Applicant's Signature:	Signature Date 18/12/23.					

PLEASE REFER TO THE DEVELOPMENT/USE AND SUBDIVISION CHECKLIST ON THE FOLLOWING PAGES TO DETERMINE WHAT DOCUMENTATION MUST BE SUBMITTED WITH YOUR APPLICATION.

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# Clarence City Council

#### DEVELOPMENT/USE OR SUBDIVISION CHECKLIST



#### Documentation required:

#### 1. MANDATORY DOCUMENTATION

This information is required for the application to be valid. An application lodged without these items is unable to proceed.

V	Details of the location of the proposed use or development.
V	A copy of the current Certificate of Title, Sealed Plan, Plan or Diagram and Schedule of Easements and other restrictions for each parcel of land on which the use or development is proposed.
V	Full description of the proposed use or development

unil	i dii description di the proposed use di development
n.	Description of the proposed operation

May include wher				ner n	umbers; o	perating ho	urs; tru	ck movem	ents; and
loading/unloading	requirements;	waste	generation	and	disposal;	equipment	used;	pollution,	including
noise, fumes, smo	oke or vibration	and mit	tigation/man	agen	nent meas	ures.			

V	Declaration the owner has been notified if the applicant is not the owner.
	Crown or Council consent (if publically-owned land).
$\checkmark$	Any reports, plans or other information required by the relevant zone or code.

Fees prescribed by the Council.

Application fees (please phone 03 6217 9550 to determine what fees apply). An invoice will be a

Application fees (please phone 03 6217 9550 to determine what fees apply). An invoice will be emailed upon lodgement.

#### 2. ADDITIONAL DOCUMENTATION

In addition to the mandatory information required above, Council may, to enable it to consider an application, request further information it considers necessary to ensure that the proposed use or development will comply with any relevant standards and purpose statements in the zone, codes or specific area plan, applicable to the use or development.

#### Site analysis plan and site plan, including where relevant:

- Existing and proposed use(s) on site.
- Boundaries and dimensions of the site.
- Topography, including contours showing AHD levels and major site features.
- Natural drainage lines, watercourses and wetlands on or adjacent to the site.
- Soil type.
- Vegetation types and distribution, and trees and vegetation to be removed.
- Location and capacity of any existing services or easements on/to the site.
- Existing pedestrian and vehicle access to the site.
- Location of existing and proposed buildings on the site.
- Location of existing adjoining properties, adjacent buildings and their uses.
- Any natural hazards that may affect use or development on the site.
- Proposed roads, driveways, car parking areas and footpaths within the site.
- Any proposed open space, communal space, or facilities on the site.
- Main utility service connection points and easements.
- Proposed subdivision lot boundaries.

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# Clarence City Council



- Where it is proposed to erect buildings, **detailed plans** with dimensions at a scale of 1:100 or 1:200 showing:
  - Internal layout of each building on the site.
  - Private open space for each dwelling.
  - External storage spaces.
  - Car parking space location and layout.
  - Major elevations of every building to be erected.
  - Shadow diagrams of the proposed buildings and adjacent structures demonstrating the extent of shading of adjacent private open spaces and external windows of buildings on adjacent sites.
  - Relationship of the elevations to natural ground level, showing any proposed cut or fill.
    - Materials and colours to be used on rooves and external walls.
- □ Where it is proposed to erect buildings, a plan of the proposed landscaping showing:
  - Planting concepts.
  - Paving materials and drainage treatments and lighting for vehicle areas and footpaths.
  - Plantings proposed for screening from adjacent sites or public places.
- Any additional reports, plans or other information required by the relevant zone or code.

This list is not comprehensive for all possible situations. If you require further information about what may be required as part of your application documentation, please contact Council's Planning Officers on (03) 6217 9550 who will be pleased to assist.

# Planning Submission

# Proposed 2 Dwellings (+ Demolition of Existing Dwelling)

at

12 Park Street Bellerive Tasmania

for

Mr. R. Christian & Ms. N. Timbell

Tas Building Design Pty Ltd P.O.Box 2018 Howrah 7018 e. tas.buildingdesign@bigpond.com p. 0408 882 283

December 2023.

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- 6. Site Servicing
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- 8. Conclusion

#### <u>attachments</u>

#### Tas Building Design Pty Ltd

sk01 –Site Demolition Plan

sk02 – Site Plan

sk03 - Site Drainage Plan

sk04 - Site Landscape Plan

sk05 – Soil & Water Management Plan

sk06 - Floor Plans - Dwelling A

sk07 – Floor Plan – Dwellings B

sk08 – Elevations – Dwelling A

sk09 - Elevations - Dwelling A

sk10 – Elevations – Dwelling B

Traffic Report – Hubble Traffic

Land Survey – Rogerson and Birch

Certificate of Title documents

**Shadow Diagrams** 

Detention Calculations – Hutchings Spurr

Existing Drainage Plans

12 Park Street, Bellerive – Planning Submission

## 1. - Introduction

The 12 park St., Bellerive site is zoned General Residential under the Clarence City Council Tas Planning Scheme. The proposed development submitted is for the demolition of the existing dwelling and proposed two new strata title dwellings- front dwelling with 3 bedrooms and double storey, rear dwelling being single storey with 2 bedrooms.

## 2. - Site Location

The proposed two dwelling development site address is located at 12 Park. St., Bellerive on one title. The development is located on the northern side of Park Street. The land gently falls to the south aspect and is within an existing homes area. The lot abuts existing residential homes/units.

# 3.- Design statement

The proposed development is designed for a strata title development and is aimed to provide general low maintenance dwellings. The dwellings are located within an existing homes area and are close to all local services.

Careful design allows for comfortable access to the new dwelling for pedestrians and vehicles.

The Proposed Dwelling A has a mix of external finishes with generally rendered walls, small areas of colorbond nailstrip cladding and timber cladding to walls and low level colorbond skillion roofs. The rear Proposed Dwelling B external finishes consist of generally Linea weathboard cladding and small area of rendered cladding with a colorbond skillion roof.

Living spaces are located to the north for both dwellings with access to the north/west facing court yards. Placement of windows and planting will be used to give privacy and hide overlooking of open spaces to each dwelling and the surrounding properties.

# 4. – Proposed Development Facts

#### a.) Strata Title outline

The property at 12 Park Street, Bellerive consists of one title (CT. 109119/2). If approved, the development would be built as a strata title development.

#### b.) Dwelling density/plot ratio

The General Residential Zone allows for multiple residential with a minimum of 325 sq.m. per dwelling site. The site area is 813 sq.m. The plot ratio allows for a maximum 2 dwellings for the site under the General Residential zone requirements. We are applying for 2 dwellings for this application which calculates out to 406.5 sq.m. per dwelling site.

#### c.) Height

The maximum height for this development is Proposed Dwelling A at 7210mm.

#### d.) Setbacks to boundaries

Both Proposed Dwellings comply to the building envelope for side and rear boundaries. The Proposed Dwelling A front parapet slightly clips the building envelope but is considered as eaves being only a thin wall.

#### e.) Private open spaces

Private open spaces are located facing on the north/west side for both Proposed Dwellings and comply to the Planning Scheme requirements.

#### f.) Colour scheme/finishes

The proposed development will provide non-reflective colours to blend into the existing landscape and neighbouring properties. Selection of wall colours and colorbond roofing provide the main finishes. Fencing, driveway and landscaping provide a secondary colour scheme adding variety of colour and finishes separation.

#### g.) Site levels

Generally the site falls slightly to the south and have level parking for both dwellings. A small amount of excavations is required to the rear of both dwellings.

#### h.) Lighting

Parking and vehicle circulation will have external lighting covering these areas. This lighting will enable safe access for vehicles and pedestrians alike without light transferring into adjoining properties.

#### i.) Landscaping

Landscaping within the development will be low maintenance including shrubs, plantings, trees, fencing, driveway and courtyards. Refer to Landscape Plan for further information.

#### j.) Waste Management/Waste Collections

The bin placement/waste collection on collection day will be located in front of the property on Park Street and kept in each private courtyard area as indicated on the drawings.

# 5. – Impact to neighbouring sites

The property is within an existing homes area. The infill site is a good use of residential land development. The impact to the existing neighbouring sites is low-impact and the development generally complies to the planning scheme requirements.

# 6. - Site servicing

The existing 100mm dia sewer is connected at the front of the site and will service both new dwellings.

There is a new 25 (ID) water connection shown to the front of the property.

An existing 100mm dia stormwater main located also at the front of the property to the existing kerb and gutter. A new 150mm connection is shown within the property and will be distributed to the kerb in the same location by 2 No. 100x75 outlets to kerb and gutter.

Detention will be in the form of slow release outlets to stormwater tanks to the two new dwellings and stormstack pits to the driveway. Detention calculations have been provided and complies to the planning scheme requirements.

Power and NBN close to the front boundary.

# 7. – Access and parking

The proposed developmment requires the crossover to the relocated to the east side of the property. The crossover and driveway width is 3500mm and allows the 2 existing street car spaces to be relocated. Refer traffic report from Hubble Traffic.

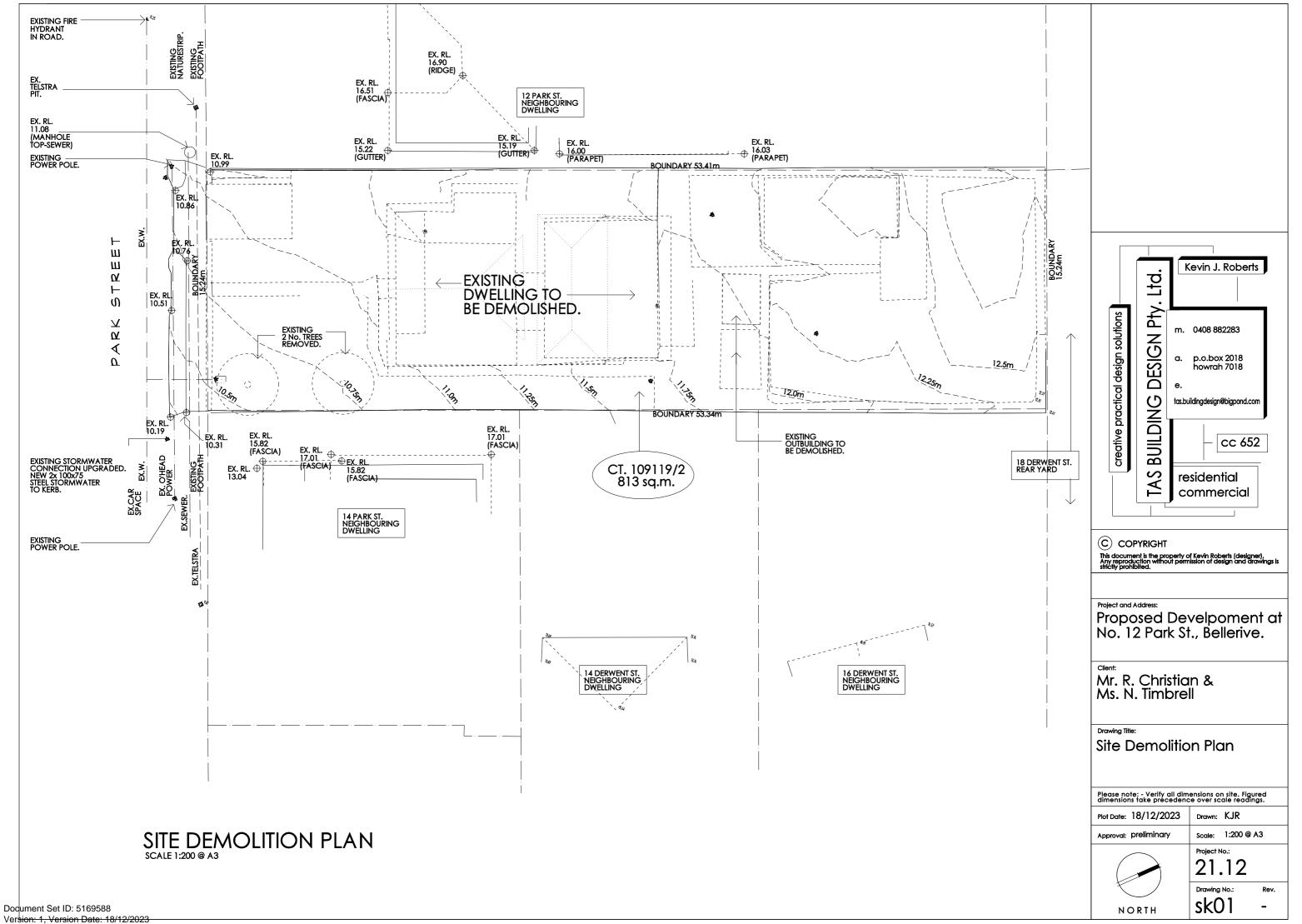
The proposed development includes 5 car spaces. The new dwellings have 2 car spaces each and 1 new visitor car space is provided. All car spaces meet the acceptable turning areas.

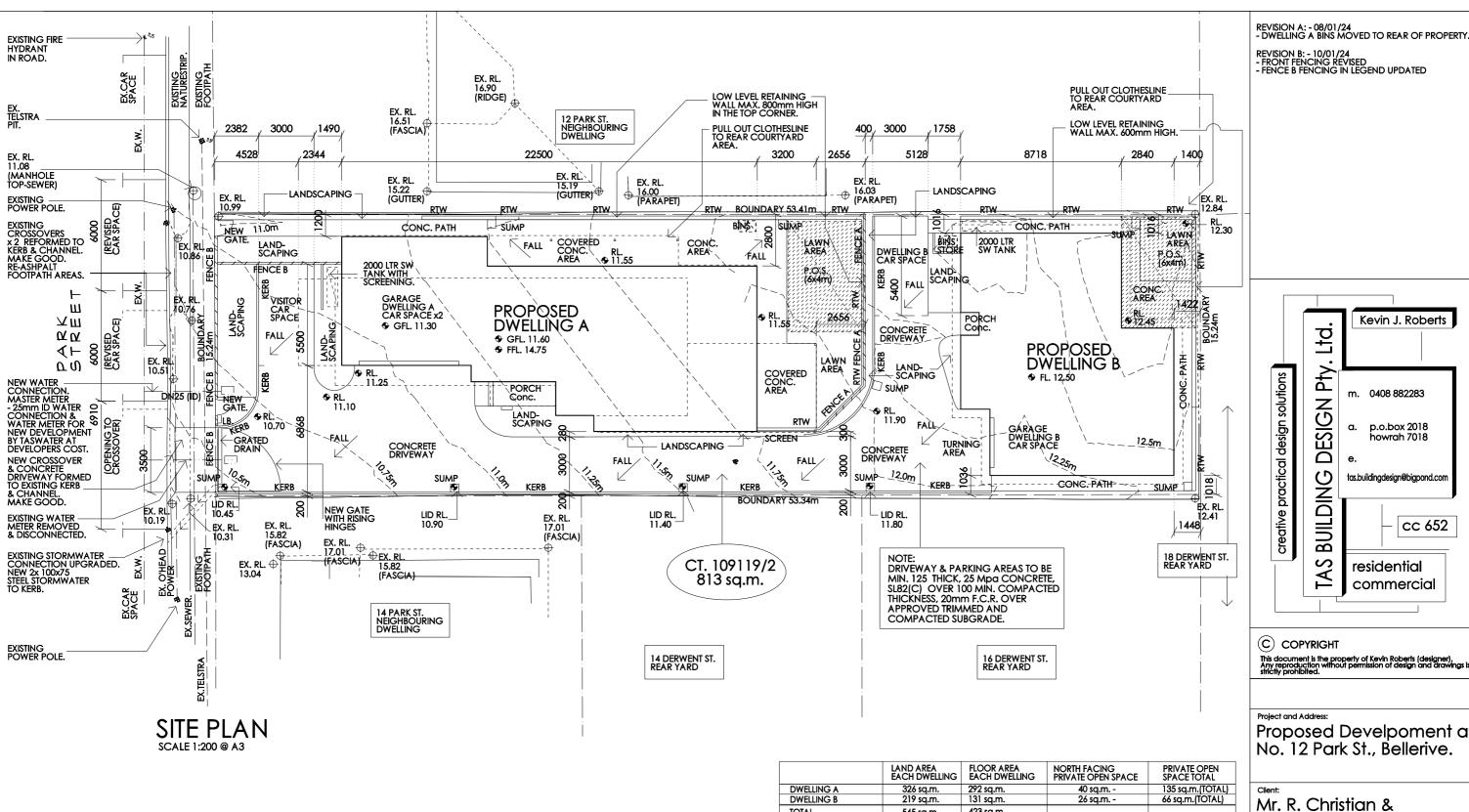
12 Park Street, Bellerive – Planning Submission

# 8. - Conclusion

The proposal for the two new strata dwellings will be a quality residential development for the Bellerive suburb. The location in the existing homes area is best suited for an infill residential development and the General Residential Zone allows the for this type of development.

The proposed development would be a valuable addition to the Clarence City Council municipality.





	LAND AREA EACH DWELLING	FLOOR AREA EACH DWELLING	NORTH FACING PRIVATE OPEN SPACE	PRIVATE OPEN SPACE TOTAL
DWELLING A	326 sq.m.	292 sq.m.	40 sq.m	135 sq.m.(TOTAL)
DWELLING B	219 sq.m.	131 sq.m.	26 sq.m	66 sq.m.(TOTAL)
TOTAL	545 sq.m.	423 sq.m.		

TOTAL REMAINDER BODY CORPORATE AREA - 268 sq.m. INCLUDING COMMON AREA - DRIVEWAY, VISITOR PARKING, ENTRY, LANDSCAPING AREAS,

SITE PLAN LEGEND

 $\oplus$ EXISTING LEVELS **①** 

1800 HIGH TIMBER PALING FENCE FENCE A

1800 HIGH SQUARE TOP PICKET FENCE 30% TRANSPERANCY FENCE B

G. GATE

450x450 STORMWATER PITS. ALLOW STORMSTACKS TO DRIVEWAY. SUMP

BINS

25% MIN. LANDSCAPED AREA REQUIREMENT

UNDER THE SITE AREA OF 813 sq.m. THE LANDSCAPED AREA NOT INCLUDING ROADS, DWELLINGS, PATHS ETC IS - 118 sq.m.

THEREFORE THE CALCULATION IS: - 14.5 % (UNDER THE 25% REQUIREMENT)

CARPARKING

5 CAR SPACES ARE PROVIDED - 2 EACH PER NEW DWELLING + 1 VISITORS SPACE (4 CAR SPACES REQUIRED 2 x 2.25 EACH UNIT = 4.5 THEREFORE 5 REQUIRED)

REFER TABLE FOR AREAS OF NORTH FACING COURTYARDS.

Plot Date: 10/01/2024 Drawn: KJR Scale: 1:200 @ A3 Approval: preliminary



Project No.: 21.12

В

NORTH

sk02

Dodument Set ID: 5180015 Version: 1. Version Date: 10/01/202

NOTE: - CONFIRM ALL LEVELS ON SITE

- REFER TO SITE DRAINAGE PLAN

DRWG SK03 FOR DWELLING SEWER & STORMWATER DRAINAGE.

BEFORE COMMENCEMENT.

- REFER TO LANDSCAPE PLAN

- SIGNAGE TO ALL DWELLINGS & PARKING AREAS ALL CLEARLY

MARKED - NUMBERS & LINE

DRWG SK04

MARKINGS.

CALCULATIONS BELOW UNDER THE CLARENCE CITY COUNCIL TAS PLANNING SCHEME ZONE: GENERAL RESIDENTIAL NO RELEVANT PLANNING OVERLAYS PLOT RATIO: **NEW LEVELS** 

SITE AREA - 813 sq.m. CT - 109119/2

**DEVELOPMENT SPECIFICS** 

2 DWELLINGS ARE SHOWN TO THIS DEVELOPMENT @ 406.5 sq.m. P/DWELLING (COMPLYING TO THE GENERAL RESIDENTIAL ZONED DEVELOPMENT @ 325 sq.m. P/DWELLING)

SITE COVERAGE - 50% MAX. BUILDING AREA REQUIREMENT UNDER THE SITE AREA OF 813 sq.m. THE ROOFED FLOOR AREA (INCLUDING DECKS OVER 1 METRE) IS - 361 sq.m.

THEREFORE THE CALCULATION IS: - 44.4 % (UNDER THE 50% REQUIREMENT)

PRIVATE OPEN SPACES GRADIENT MIN. 1:6 MIN. 4 METRE WIDTH

Kevin J. Roberts H Ŧ creative practical design solutions m. 0408 882283 ESIGN p.o.box 2018 howrah 7018 tas.buildingdesign@bigpond.com BUILDING cc 652 S residential

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commercial

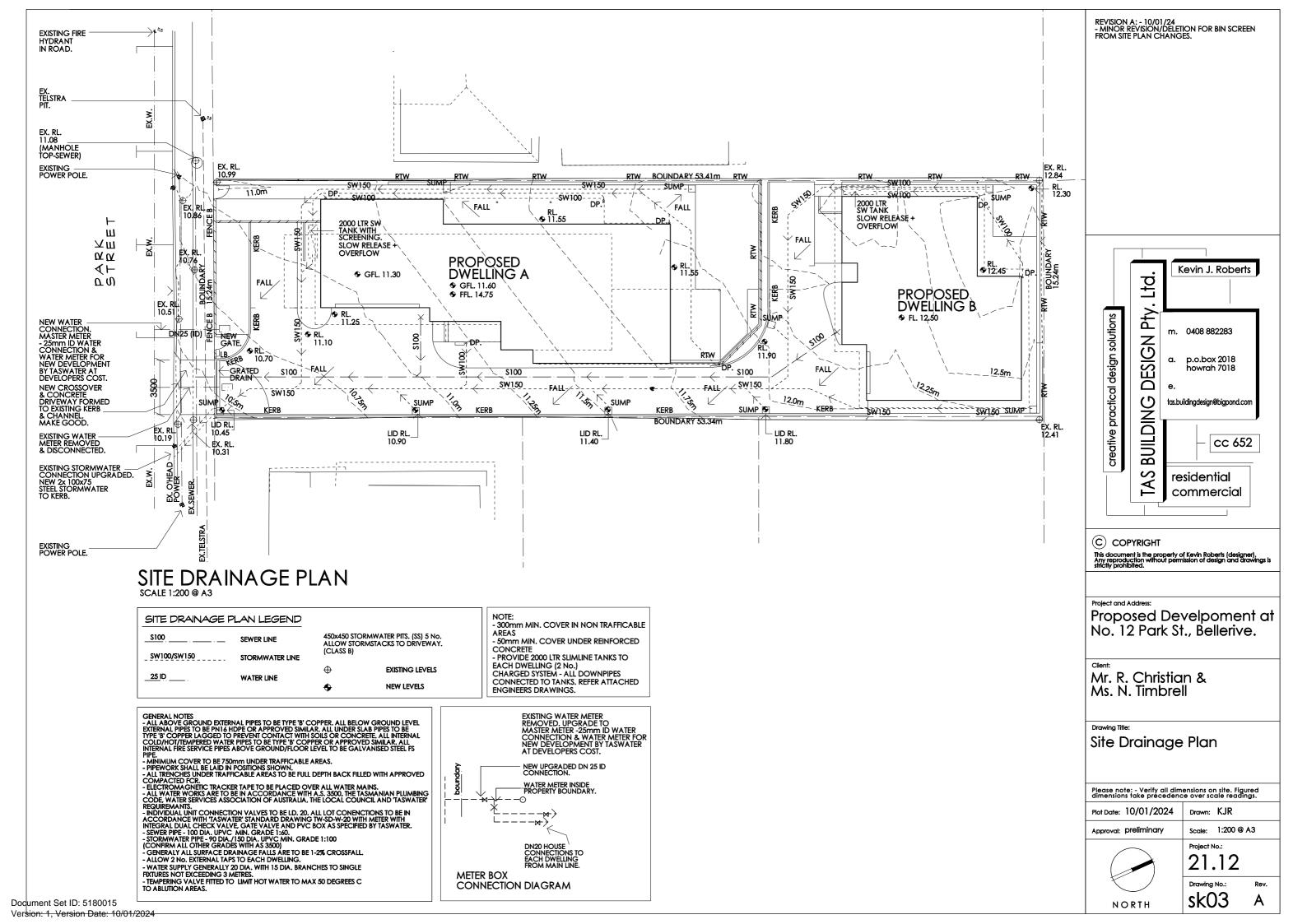
Proposed Develpoment at No. 12 Park St., Bellerive.

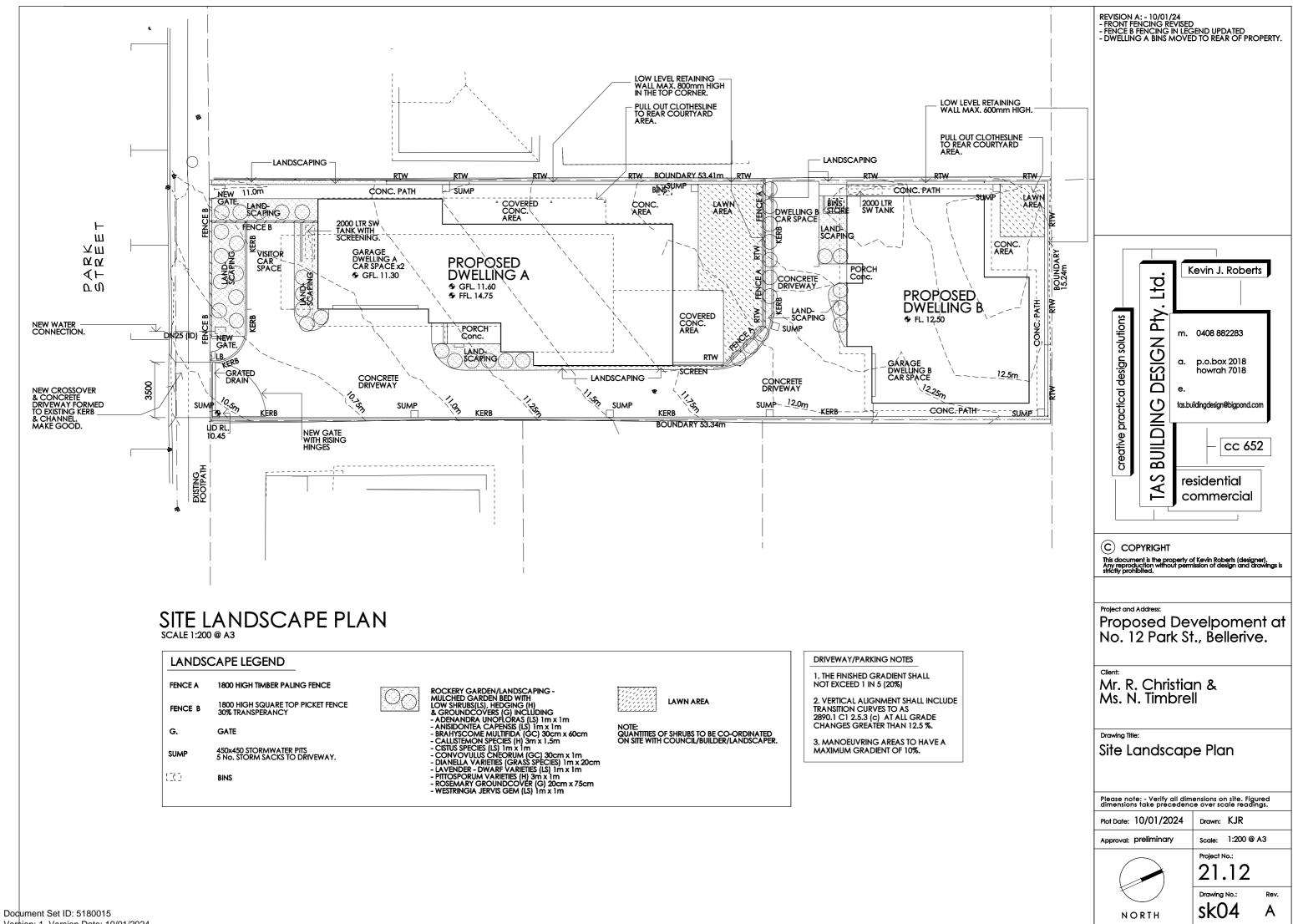
Mr. R. Christian & Ms. N. Timbrell

Drawing Title:

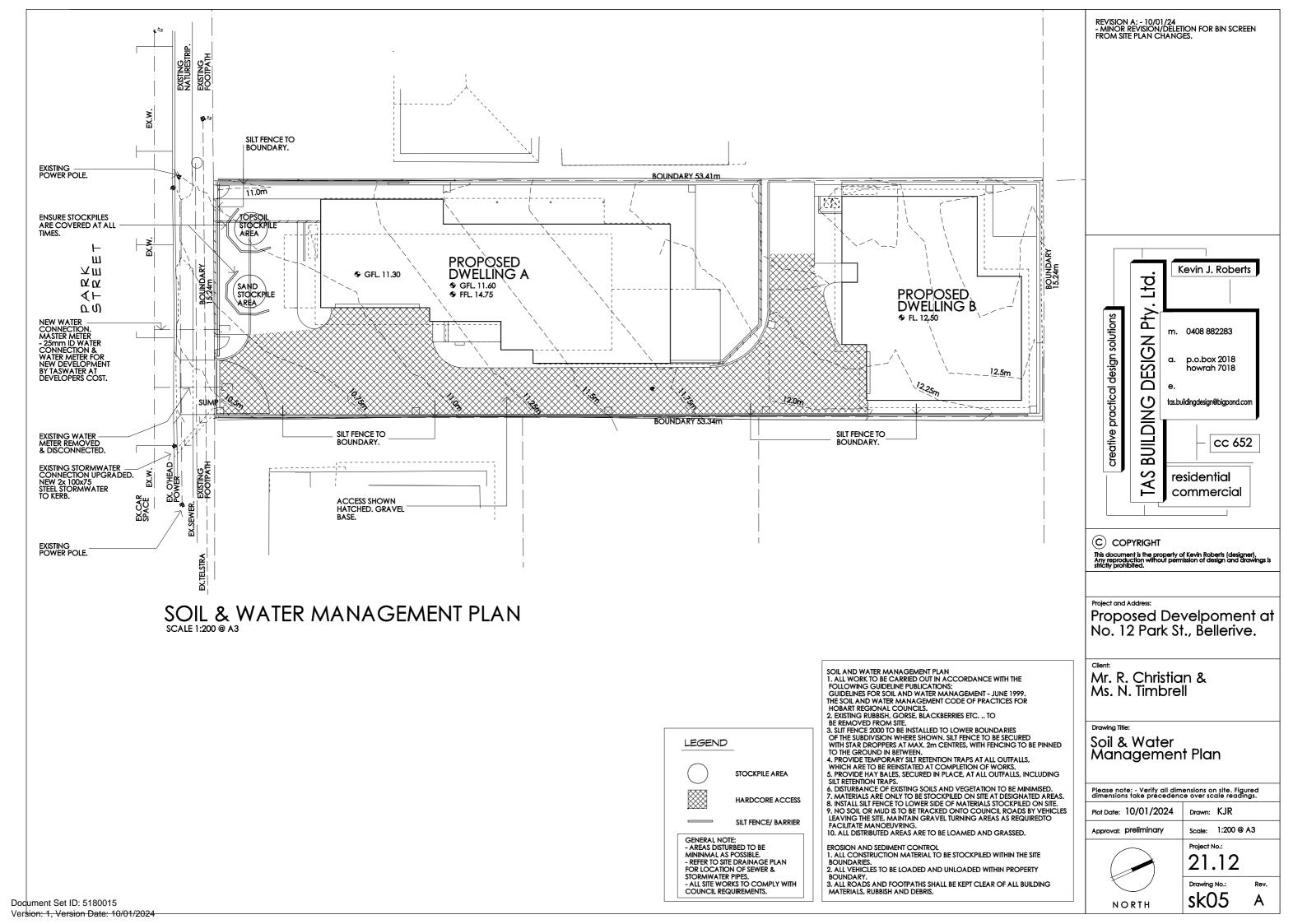
Site Plan

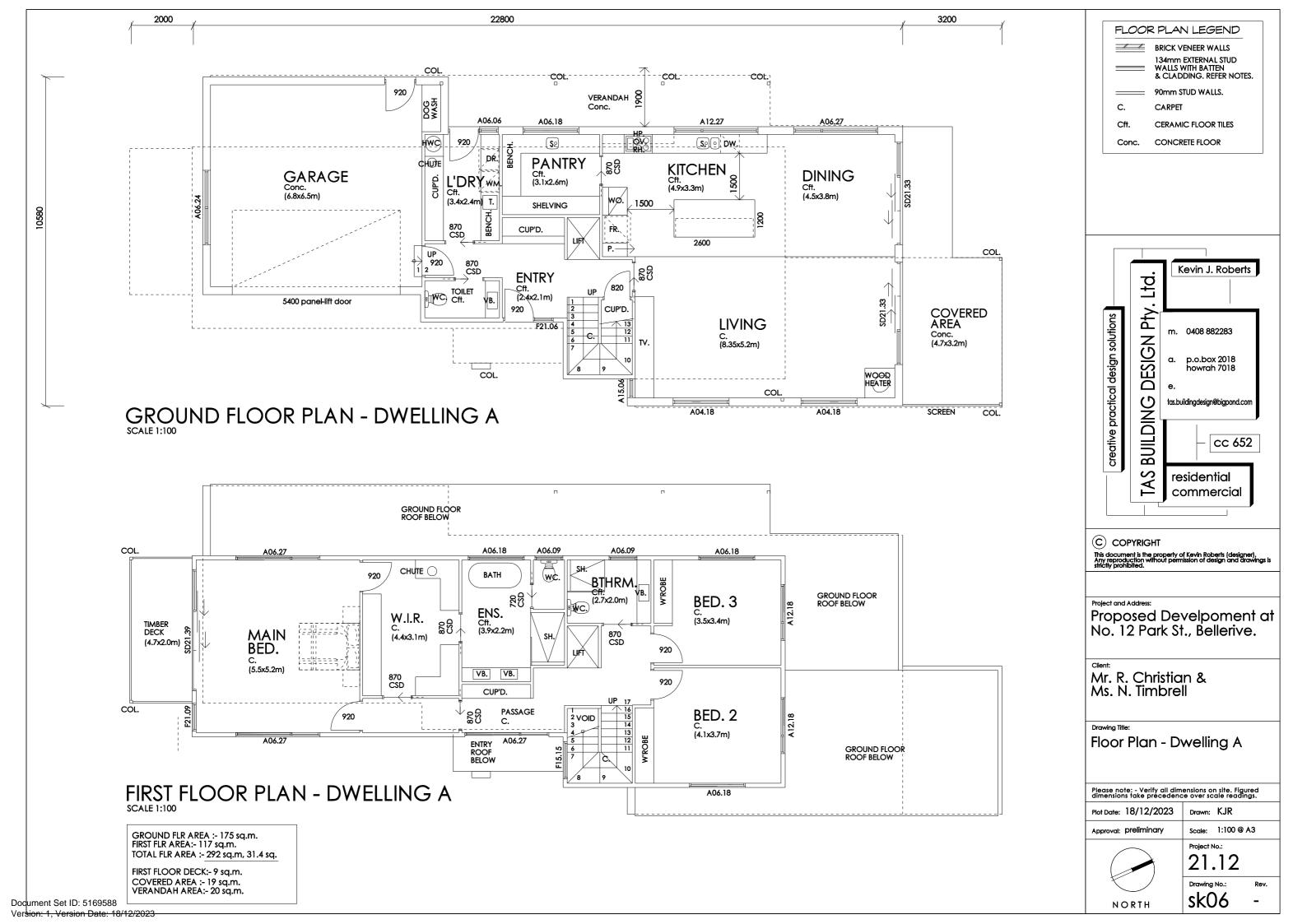
Please note: - Verify all dimensions on site. Figured dimensions take precedence over scale readings.

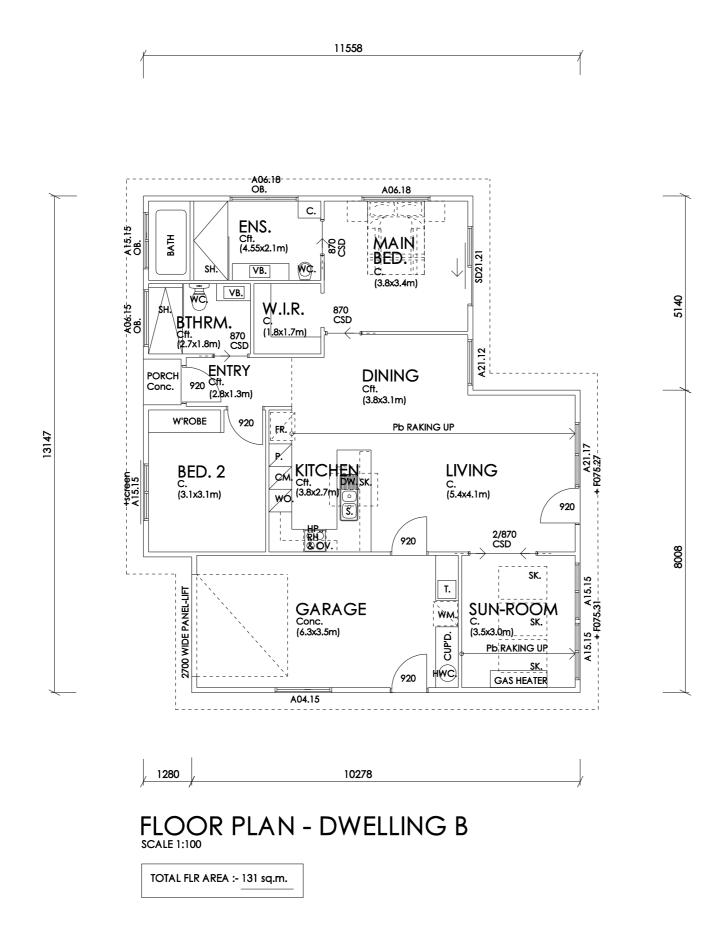




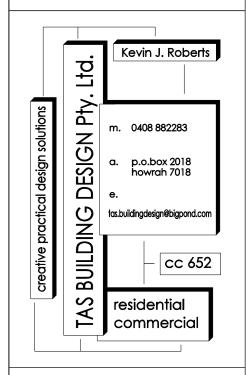
Version: 1. Version Date: 10/01/2024











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Project and Address:

Proposed Develpoment at No. 12 Park St., Bellerive.

Mr. R. Christian & Ms. N. Timbrell

Floor Plan - Dwelling B

Please note: - Verify all dimensions on site. Figured dimensions take precedence over scale readings.

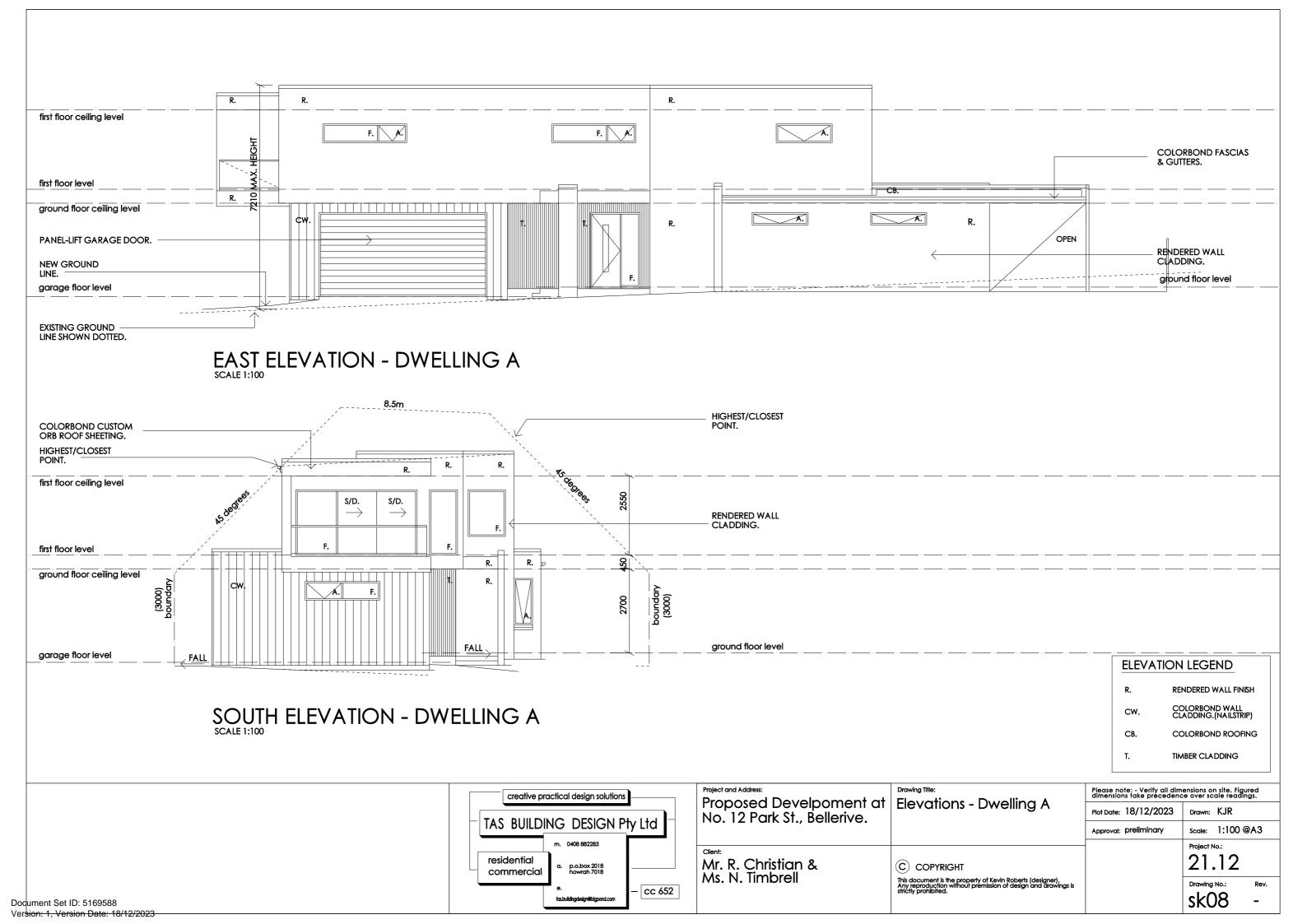
Plot Date: 25/09/2023 Approval: preliminary Scale: 1:100 @ A3

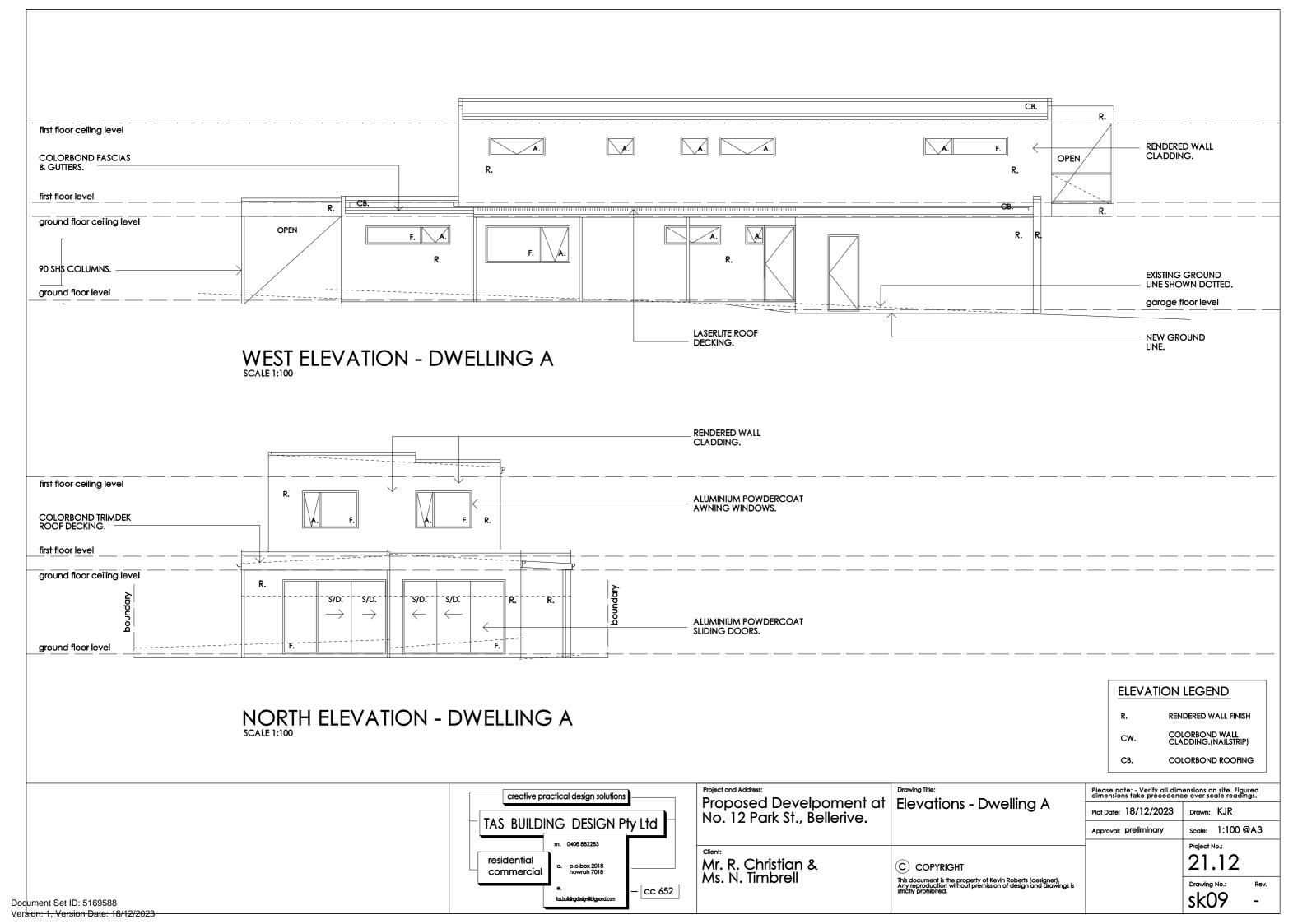


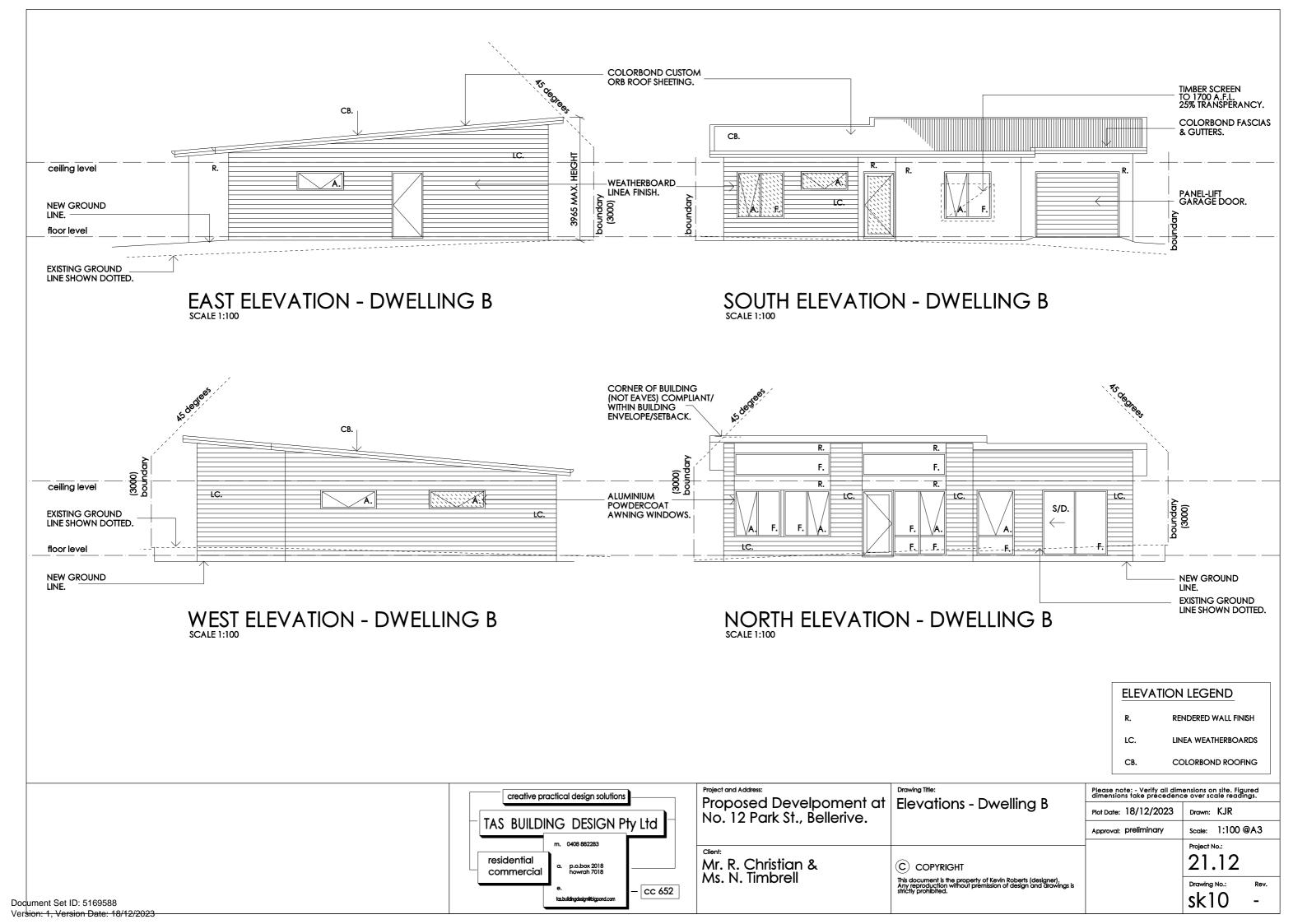
Project No.: 21.12

sk07

Dodument Set ID: 5169588







# **Traffic Impact Statement**



# Additional residential unit at 12 Park Street, Bellerive



December 2023

Disclaimer: This report has been prepared based on and in reliance upon the information provided to Hubble Traffic Consulting by the client and gathered by Hubble Traffic Consulting during the preparation of the report. Whilst all reasonable skill, care and diligence has been used in preparation of the report, Hubble Traffic Consulting take no responsibility for errors or omissions arising from misstatements by third parties.

This report has been prepared specifically for the exclusive use of the client named in the report and to the extent necessary, Hubble Traffic Consulting disclaim responsibility for any loss or damage occasioned by use of or reliance upon this report, or the date produced herein, by any third party.

Version	Date	Reason for Issue		
Draft	December 2023	Draft issued for client feedback		
Final	December 2023	Final issued		



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#### 1. Introduction

Hubble Traffic has been engaged by Kevin Roberts (Tas Building Design) on behalf of the developer to prepare an independent Traffic Impact Statement for 12 Park Street, Bellerive.

A development application was submitted to the Clarence City Council (Council) in considering the application, Council has requested additional information on vehicle manoeuvrability, access widths and suitability of the internal driveway. This development has been assessed against the Tasmanian Planning Scheme (planning scheme), specifically C2.6.2 Design and layout of parking areas and C2.6.3 Number of accesses for vehicles.

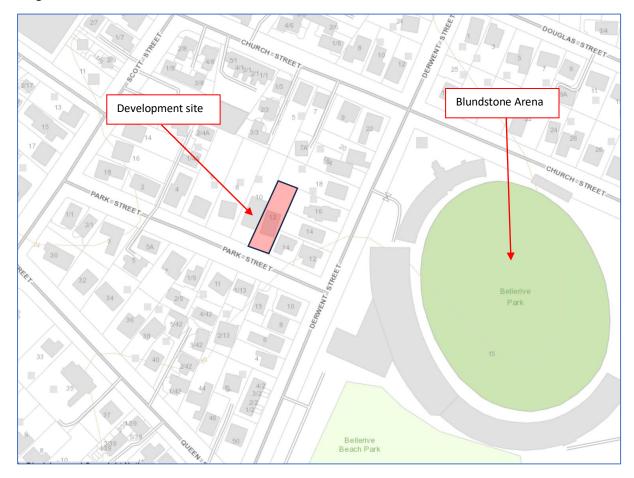
The Australian Standard 2890.1:2004 Off-street car parking document, has been used in this assessment, and referenced as the Standard. Vehicle swept path software has been used to verify the swept path of vehicles accessing the parking spaces within the development.

#### 2. Development site

The development site is located at 12 Park Street, Bellerive within an established urban residential area. An existing residential dwelling occupies the site, which has an existing vehicular access with Park Street.

The development site is located within close proximity to Blundstone Arena, which generates a high demand for on-street parking within the immediate vicinity of the arena.

Diagram 2.0 – Extract from LIST Land Information Database

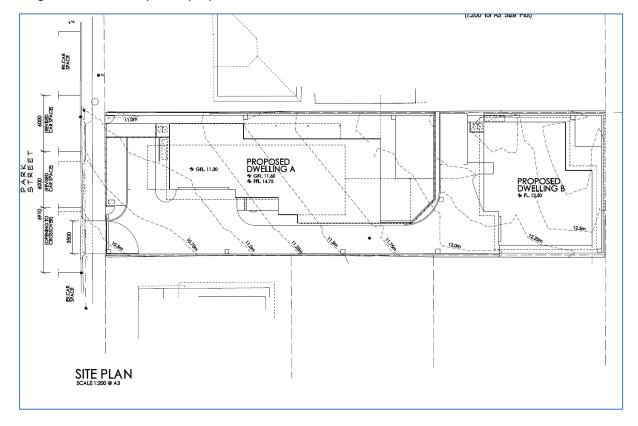


#### 3. Development proposal

The development proposal is to demolish the existing dwelling, construct a three bedroom dwelling at the front of the property and a two bedroom unit at the rear. Each will be supported with two dedicated parking spaces, plus an additional parking space allocated for visitors.

The existing vehicular access with Park Street will be relocated to the eastern side of the property to suit the proposed driveway layout.

Diagram 3.0 – Development proposal



#### 4. On-site car parking spaces

#### 4.1. Number of on-site car parking spaces

The development will provide a total of five on-site car parking spaces. The three bedroom dwelling will have a double enclosed garage, while the two bedroom unit will have a single enclosed garage and an uncovered space, located adjacent to the unit.

Due to the developments close proximity with Blundstone Arena, an on-site visitor car parking space has been provided to support the units, with the arena generating a high demand for onstreet parking within the vicinity.

#### 4.2. Dimensions of parking spaces

Due to site constraints, the parking spaces have been designed to comply with the Australian Standard 2890.1:2004 (the Standard), as User Class 1A, suitable for residential or domestic use.

The enclosed garages have been designed to comply with section 5.4 and figure 5.4 of the Standard. The Standard allows for the width of the garage to be made wider, which allows for the reduction of the manoeuvring area behind the garage, as the vehicle can commence to turn within the garage. The single garage opening has been designed at 2.7 metres wide, reducing the required manoeuvring area to 6.3 metres.

Where a parking space has a vertical obstruction higher than 150 millimetres, an additional 0.3 metres of width will be provided between the space and the obstruction. The two uncovered parking spaces will be a minimum of three metres wide, which includes additional clearance width, 5.4 metres long, and supported with a minimum manoeuvring area of 5.8 metres.

The parking spaces will have grades that complies with Section 2.4.6 of the Standard and shall not exceed five percent.



#### 4.3. Car parking manoeuvrability

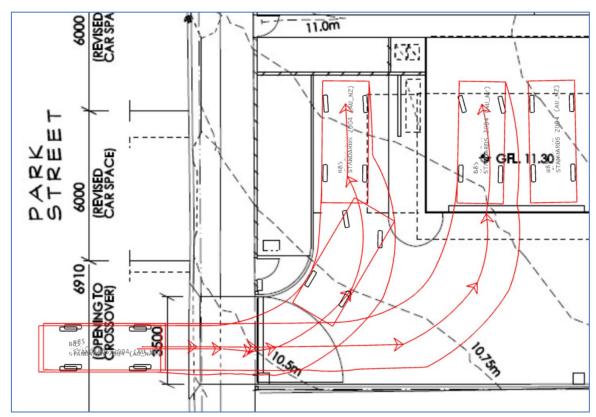
Although the development is constrained, the design provides sufficient manoeuvring area behind all the car parking spaces to allow for vehicles to enter and leave in an efficient manner, complying with the Standard.

The Standard recognises for User Class 1A, that residential development generates a low turnover, with users generally prepared to accept some inconvenience when entering and leaving the parking spaces, and where necessary it is acceptable for vehicles to undertake a three point turn.

Vehicle swept path software has been used to demonstrate the swept path of a B85 vehicle entering and leaving all the parking spaces in a forward-driving direction, including the visitor parking space, with the swept paths shown in the diagrams below.

The front of the vehicle entering the visitor space will slightly overhang the landscaping area, and as this area is lower than 150mm in height, it will cause no restriction.

Diagram 4.3A – Swept path of B85 vehicle entering the visitor space and double enclosed garage



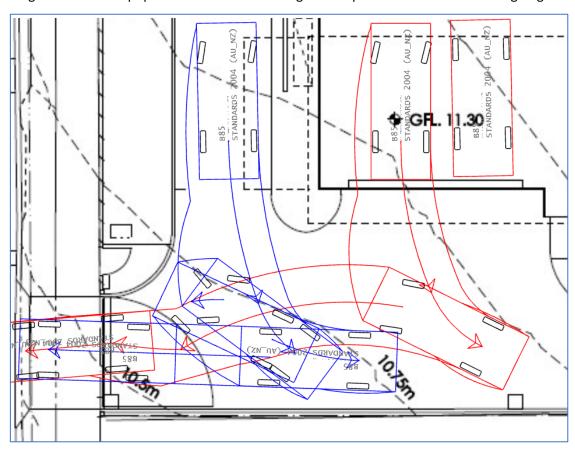
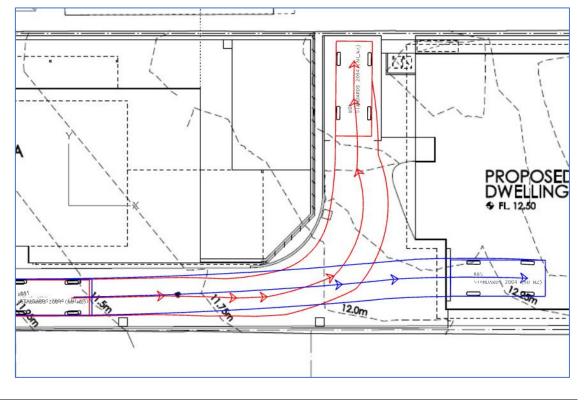


Diagram 4.3B – Swept path of B85 vehicle leaving visitor space and double enclosed garage

Diagram 4.3C – Swept path of B85 vehicle entering uncovered space and single enclosed garage





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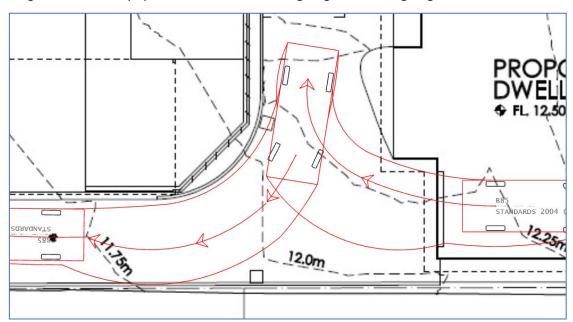
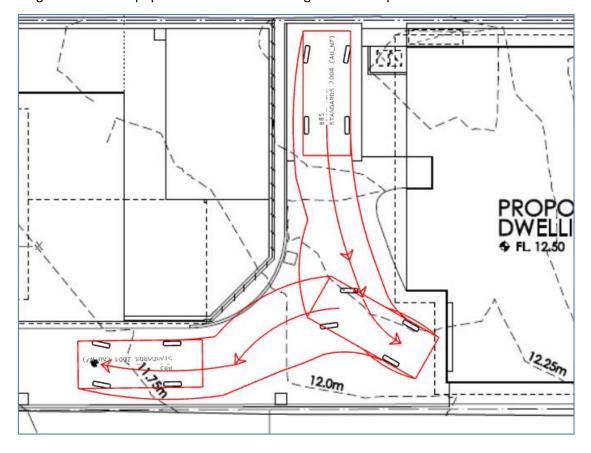


Diagram 4.3D – Swept path of B85 vehicle leaving single enclosed garage

Diagram 4.3E – Swept path of B85 vehicle leaving uncovered space for two bedroom unit





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#### 5. Access arrangements

#### 5.1. Vehicular access with Park Street

The existing vehicular access onto Park Street will be relocated to the eastern side of the property and be 3.5 metres wide. The old vehicular crossover will be replaced with standard kerbing, and the new concrete crossover will be constructed to comply with LGAT TSD-R09-v1.

The relocation of the access can be achieved without reducing the number of on-street parking spaces, requiring the on-street parking spaces to be re-marked.

The development will operate with a single vehicular, 3.5 metres wide vehicular access comply with the planning scheme requirement.

Photograph 5.1 – Vehicular access and on-street parking spaces



#### 5.2. Internal driveway

The internal driveway complies with table C2.2 of the planning scheme, with the driveway serving five car parking spaces, the minimum width of the driveway must be three metres wide.

The driveway extends from Park Street, will be 3.5 metres wide to the visitor parking space, widen to a minimum of six metres wide adjacent to the double garage, with this width to facilitate two-way traffic flow. After the double garage the width of the driveway reduces to three metres to the two parking spaces allocated to the unit.

Overall, the driveway is expected to provide users with safe and efficient access to the parking spaces, complying with the planning scheme.



#### 6. Planning scheme

#### C2.6.2 Design and layout of parking areas

The internal layout and parking areas have been designed to comply with the Australian Standard 2890.1:2004 for User Class 1A, with vehicle swept path software demonstrating there will be sufficient manoeuvring areas adjacent to all the parking spaces to enable vehicles to enter and leave the spaces efficiently, and leave the site in a forward-driving direction.

The parking spaces will be located on a gradient less than five percent. The width of the driveway will comply with dimensions specified in the planning scheme table C2.2.

Overall, the parking spaces and internal layout complies with the acceptable solution A1.1 (a) and (b).

#### C2.6.3 Number of accesses for vehicles

The existing vehicular access with Park Street will be relocated to the eastern side of the property. The existing crossover will be replaced with standard concrete kerb to allow for reinstatement of onstreet parking spaces. The new eastern vehicular access will be 3.5 metres, and there will be no loss of number of on-street parking spaces.

Overall, the vehicular access complies with the acceptable solution A1 (a) and (b).



#### 7. Conclusion

This traffic assessment determined vehicles can enter and leave in efficient manner, complying with the acceptable solutions under the planning scheme, and relocation of the vehicular access will not cause a reduction in the supply of on-street parking spaces along Park Street.

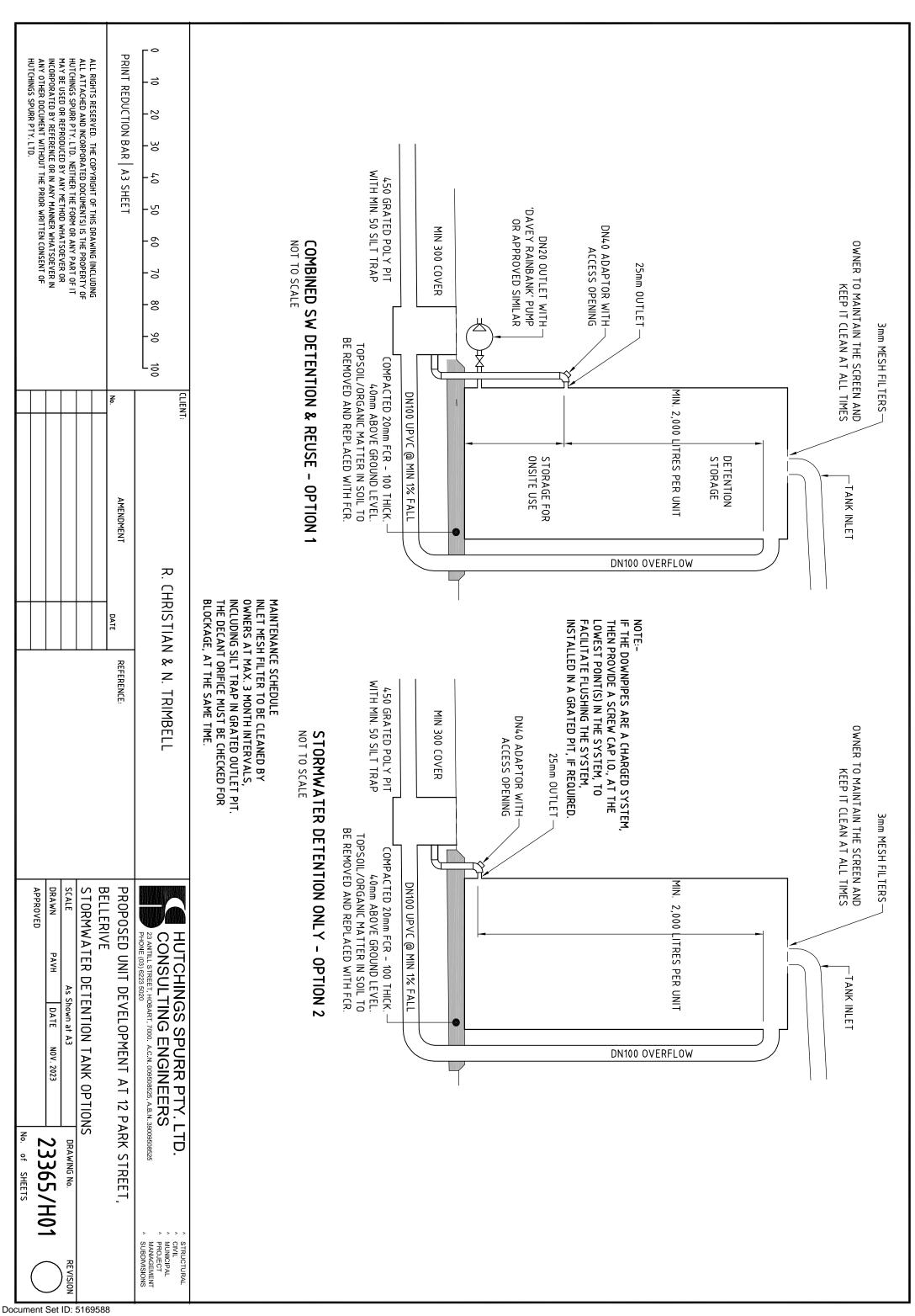
This assessment found no reason why this development should not proceed.

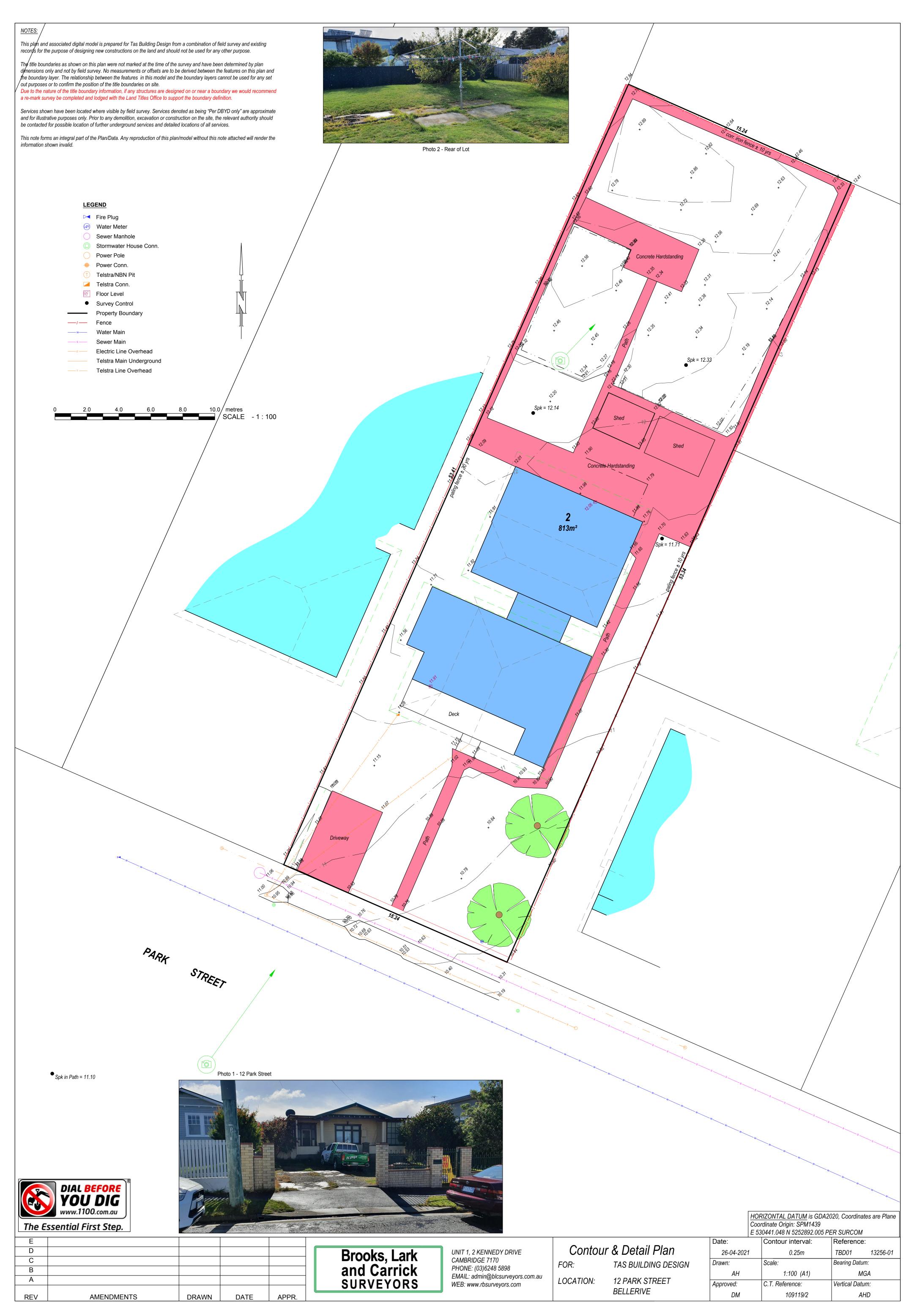


T: 0416 064 755

E: Hubbletraffic@outlook.com

W: Hubbletraffic.com.au







## Location

Label:

Bellerive

Latitude: -42.8768 [Nearest grid cell: 42.8875 (S)]

Longitude:147.3714 [Nearest grid cell: 147.3625 (E)]

# IFD Design Rainfall Intensity (mm/h)

Rainfall intensity for Durations, Exceedance per Year (EY), and Annual Exceedance Probabilities (AEP). FAQ for New ARR probability terminology

Issued: 29 November 2023

		Annual Exceedance Probability (AEP)							
Duration	63.2%	50%#	20%*	10%	5%	2%	1%		
1 min	61.1	69.2	96.7	117	138	169	194		
2 <u>min</u>	52.4	58.9	79.8	94.4	109	127	141		
3 <u>min</u>	46.3	52.2	71.2	84.7	98.3	116	129		
4 <u>min</u>	41.8	47.2	65.0	77.7	90.7	108	122		
5 <u>min</u>	38.2	43.3	59.9	72.0	84.5	102	116		
10 <u>min</u>	27.7	31.5	44.2	53.8	63.8	78.6	90.9		
15 <u>min</u>	22.5	25.5	35.9	43.7	51.9	64.1	74.2		
20 <u>min</u>	19.2	21.8	30.6	37.2	44.2	54.3	62.8		
25 <u>min</u>	17.0	19.3	27.0	32.7	38.7	47.4	54.6		
30 <u>min</u>	15.4	17.4	24.3	29.3	34.7	42.3	48.5		
45 <u>min</u>	12.3	13.9	19.2	23.0	27.0	32.5	37.0		
1 hour	10.4	11.8	16.2	19.4	22.6	27.0	30.5		
1.5 hour	8.36	9.44	12.9	15.3	17.7	20.9	23.3		
2 hour	7.15	8.08	11.0	13.0	15.0	17.6	19.5		
3 hour	5.75	6.51	8.87	10.5	12.0	14.0	15.5		
4.5 hour	4.62	5.25	7.19	8.46	9.68	11.3	12.5		
6 hour	3,94	4.50	6.19	7.31	8.37	9.78	10.8		
9 hour	3.14	3.60	5.00	5.93	6.82	8.03	8.95		
12 hour	2.65	3.04	4.27	5.09	5.88	6.97	7.80		
18 hour	2.05	2.37	3.37	4.05	4.72	5.64	6.36		
24 hour	1.69	1.96	2.81	3.40	3.97	4.78	5.42		
30 hour	1.45	1.68	2.42	2.93	3.44	4.16	4.72		
36 hour	1.26	1.47	2.12	2.58	3.04	3.67	4.18		
48 hour	1.01	1.18	1.70	2.08	2.45	2.97	3.38		
72 hour	0.729	0.844	1.22	1.48	1.75	2.12	2.41		
96 hour	0.572	0.660	0.945	1.15	1.35	1.62	1.84		
120 hour	0.473	0.544	0.772	0.931	1.09	1.31	1.48		

STORMWATER ON-SITE DETENTION 29/11/2023 DATE: CLARENCE CITY COUNCIL STORMWATER RUNOFF **SITE ADDRESS** JOB No.: 112 Park Street, Bellerive TAS 7018. RUNOFF RUNOFF | RUNOFF | RUNOFF | RUNOFF | RUNOFF | RUNOFF RAINFALL AREA RUNOFF Q (I/S) 5 Q (I/S) min. 10 min. Q (I/S) 15 Q (I/S) 20 Q (I/S) 25 Q (I/S) 30 Q (I/S) 45 INTENSITY COEFFICIENT (m<sup>2</sup>) min. min. min. min. min. (mm/Hr.) storm storm **SITE AREA** 831 RUNOFF FOR THE UNDEVELOPED SITE :-RUNOFF COEFFICIENT FOR TOTAL UNDEVELOPED SITE 0.55 B.O.M. RAINFALL INTENSITIES 1% AFP FOR A 5 MINUTE STORM 116.00 (REFER ATTACHED IFD 29/11/2023) 5% AEP FOR A 5 MINUTE STORM 84.50 5% AFP FOR A 10 MINUTE STORM 63.80 5% AEP FOR A 15 MINUTE STORM 51.90 5% AEP FOR A 20 MINUTE STORM 44.20 5% AEP FOR A 25 MINUTE STORM 38.70 5% AEP FOR A 30 MINUTE STORM 34.70 5% AEP FOR A 45 MINUTE STORM 27.00 5% AEP FOR A 60 MINUTE STORM 22.60 RUNOFF FOR SITE = Q I/s Q=RUNOFF COEFFICIENTxRAINFALL INTENSITYxAREA/3600 Qundeveloped = 1% AEP 14.73 Qundeveloped = 5% AEP 10.73 6.59 5.61 4.91 4.41 3.43 8.10 AREAS FOR DEVELOPED SITE 387 TOTAL ROOFED AREA IMPERVIOUS AREA CONCRETE DRIVEWAY & HARDSTAND 316 TOTAL IMPERVIOUS AREA 703 PERVIOUS AREA 128 831 TOTAL AREA **RUNOFF COEFFICIENTS FOR DEVELOPED SITE** 0.9 **ROOFED AREA** IMPERVIOUS SURFACES 0.90 8.18 6.17 5.02 4.28 3.74 3.36 2.61 ROOF 3.49 CONCRETE DRIVEWAY & HARDSTAND 0.90 6.68 5.04 4.10 3.06 2.74 2.13 PERVIOUS AREA 0.40 1.20 0.91 0.74 0.63 0.55 0.38 TOTAL RUNOFF FOR DEVELOPED SITE Qtotal = Qroofed + Qimpervious + Qpervious Qroofed 11.22 Qimpervious 9.16 1.65 **Qpervious** Q<sub>total</sub> 1% AEP 22.04 Qroofed 8.18 6.17 5.02 4.28 3.74 3.36 2.61 Qimpervious 6.68 5.04 4.10 3.49 3.06 2.74 2.13 **Qpervious** 0.49 1.20 0.91 0.74 0.63 0.55 0.38 Qtotal 5% AEP 16.05 12.12 9.86 8.40 7.35 6.59 5.13 **INCREASE IN SITE RUNOFF** 

 $\begin{array}{ll} Q_{increas} = Q_{totaldeveloped} - Q_{undeveloped} & 1\% \text{ AEP} \\ Q_{increas} = Q_{totaldeveloped} - Q_{undeveloped} & 5\% \text{ AEP} \end{array}$ 

MAXIMUM ON-SITE DETENTION STORAGE IS REQUIRED FOR A 5% A.E.P. STORM DURATION

Qundeveloped =

Q<sub>total developed</sub>

 $\begin{aligned} &Q_{increase}{=}Q_{totaldeveloped}{^{-}}Q_{undeveloped}\\ &V{=}storm\ durationx60xQ_{increase} \end{aligned}$ 

MINIMUM DETENTION STORAGE VOLUME REQUIRED (30 MIN. STORM) DETENTION STORAGE VOLUME ACCOMODATES PEAK INCREASED FLOW FOR A 5 MINUTE STORM 1% AEP

THEREFORE, PROVIDE MINIMUM 4,000 LITRE DETENTION STORAGE

10.73	8.10	6.59	5.61	4.91	4.41	3.43
16.05	12.12	9.86	8.40	7.35	6.59	5.13
5.32	4.02	3.27	2.79	2.44	2.19	1.70
1507	2412	2013	3310	3459	3034	2552

2.79

2.44

2.19

1.70

3936

2193

7.31

5.32

4.02

3.27

WALCH 834864

# MUNICIPALITY OF CLARENCE-SEWERAGE

ENGINEER'S DEPARTMENT

Building Plan No.

Drainage Plan No. 6451

# PLAN OF DRAINAGE FOR

M W.F.J. - F.E. BELL.

REFERENCE

B.T. Boundary Trap

G.I.T. Grease Interceptor Trap

D.T. Disconnector Trap

G.T. Gully Trap

G.T. Gully Trap

G.T. Gully Disconnector Trap

S.V. Sluice Valve

S.T. Silt Trap

G.D.T. Gully Disconnector Trap

S.T. Silt Trap

G.J.T. Grease Interceptor Trap

S.V. Sluice Valve

I.O. Inspection Chamber

I.O. Inspection Opening Drop

S.V.P. Soil Vent Pipe

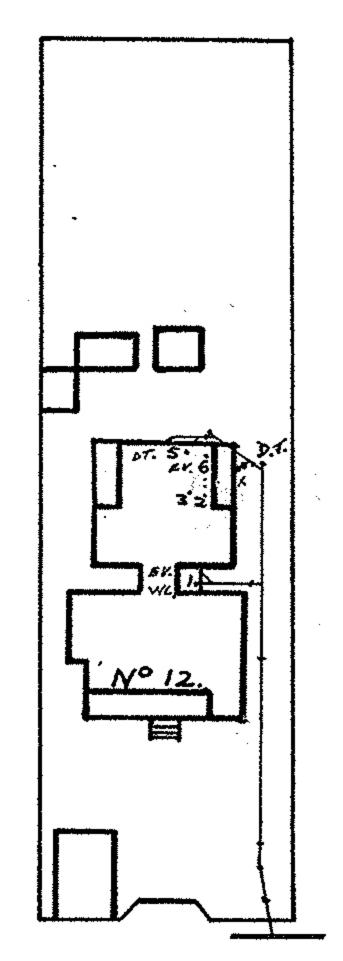
G.V. Ground Vent

Scale—

Scale—

ft. to 1 inch

See By-Law



PARK St.

METRES

Drainer: ipes:

nspector:

)rainer:

ipes: ested:

nspector:

B. MATHEWS CONCRETE. 14-12-66 P.L. COLLIDGE.

L.SLATER P.V.C. 18-5-1981

FITTINGS No. 1 Closet No. 2 Bath

No. 5 Sink No. 6 Trough No. 7 W. Machine No. 3 Basin No. 4 Shower No. 8 Urinal

**APPROVED** 

Municipal Engineer

the second of th

TORMWATER from the premises (including outbuildings) must be onveyed, in a manner satisfactory to the Drainage Inspector, to the earest street channel or other approved disposal point.

SEPTIC TANK, if shown, is not to be installed without the written approval of the Public Health Department.

HIGH PRESSURE WATER SUPPLY TO BE CONNECTED TO ALL FIXTURES



#### **FOLIO PLAN**

RECORDER OF TITLES



Issued Pursuant to the Land Titles Act 1980

PLAN OF TITLE FOLIO REFERENCE CT. 2247/88 CT. 2723/34 LOCATION

GRANTEE

OWNER

CITY OF CLARENCE

COMPILED FROM P. 744

COMPILED BY

SCALE 1:500

LENGTHS IN METRES

REGISTERED NUMBER

109119

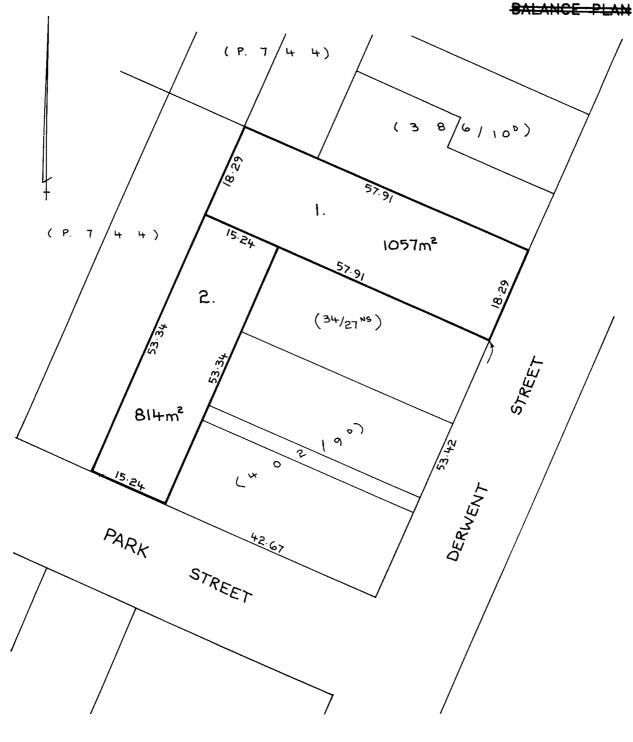
APPROVED - 2 DEC 1993

STATE MUNICIPAL CODE No. 14

LAST UPI No. 7151, 7145

LAST SURVEY PLAN

ALL EXISTING SURVEY NUMBERS TO BE CROSS REFERENCED ON THIS PLAN



Search Date: 19 May 2022

Search Time: 10:04 AM

Volume Number: 109119

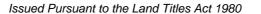
Revision Number: 01

Page 1 of 1



## **RESULT OF SEARCH**

**RECORDER OF TITLES** 





#### SEARCH OF TORRENS TITLE

VOLUME 109119	FOLIO 2
109119	2
EDITION	DATE OF ISSUE
4	11-Jul-2014

SEARCH DATE : 19-May-2022 SEARCH TIME : 10.04 AM

#### DESCRIPTION OF LAND

City of CLARENCE

Lot 2 on Diagram 109119

Derivation: Part of 39A-3R-20Ps Gtd to T. Ludbey

Prior CT 2723/34

#### SCHEDULE 1

D133262 TRANSFER to NOREEN ANN TIMBRELL and ROGER WILLIAM CHRISTIAN Registered 08-Jul-2014 at noon

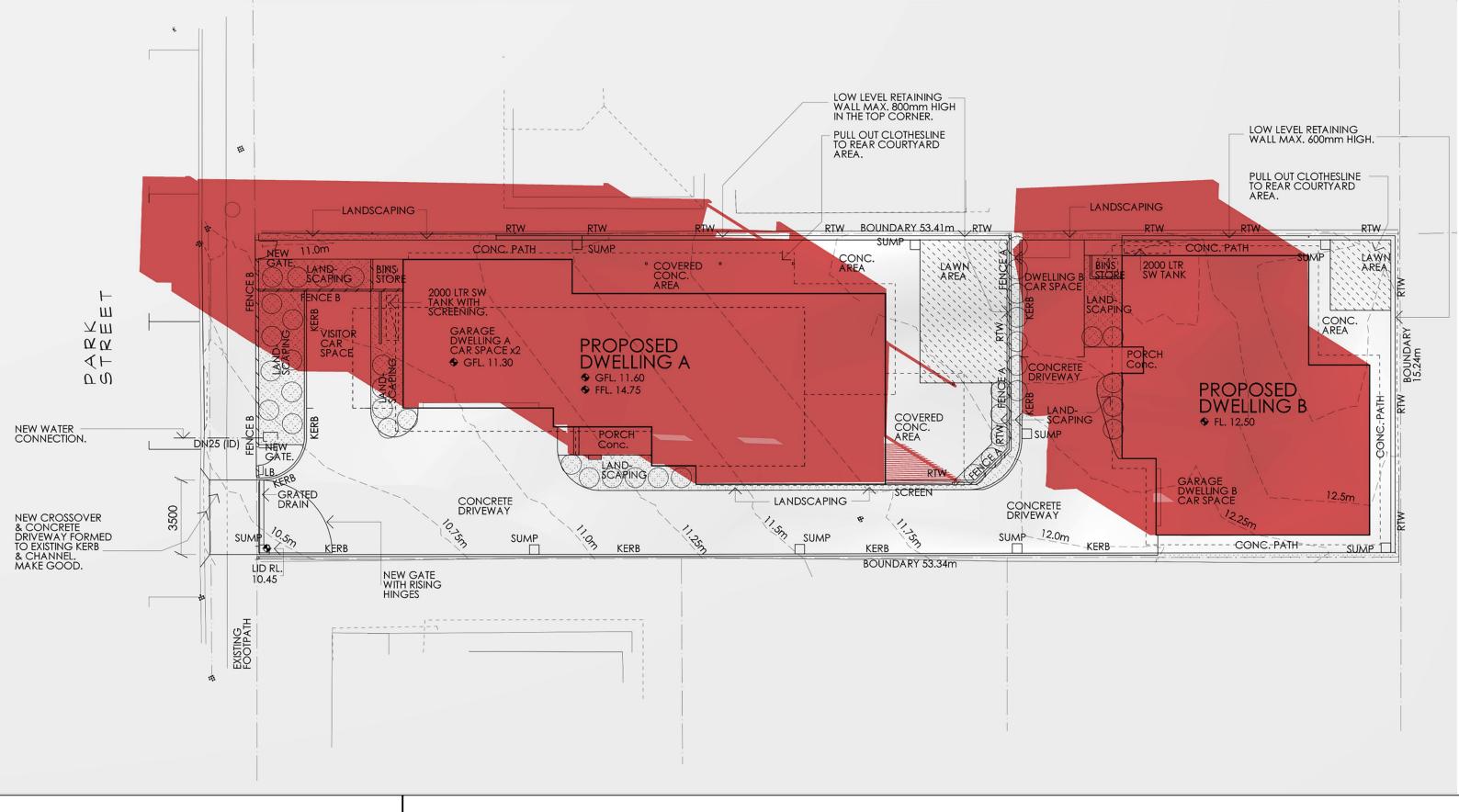
#### SCHEDULE 2

Reservations and conditions in the Crown Grant if any D133292 MORTGAGE to Westpac Banking Corporation Registered 11-Jul-2014 at noon

#### UNREGISTERED DEALINGS AND NOTATIONS

No unregistered dealings or other notations

Page 1 of 1



Proposed development at 12 Park St., Bellerive

Coordinates: -42.87, 147.37

1:200 @A3

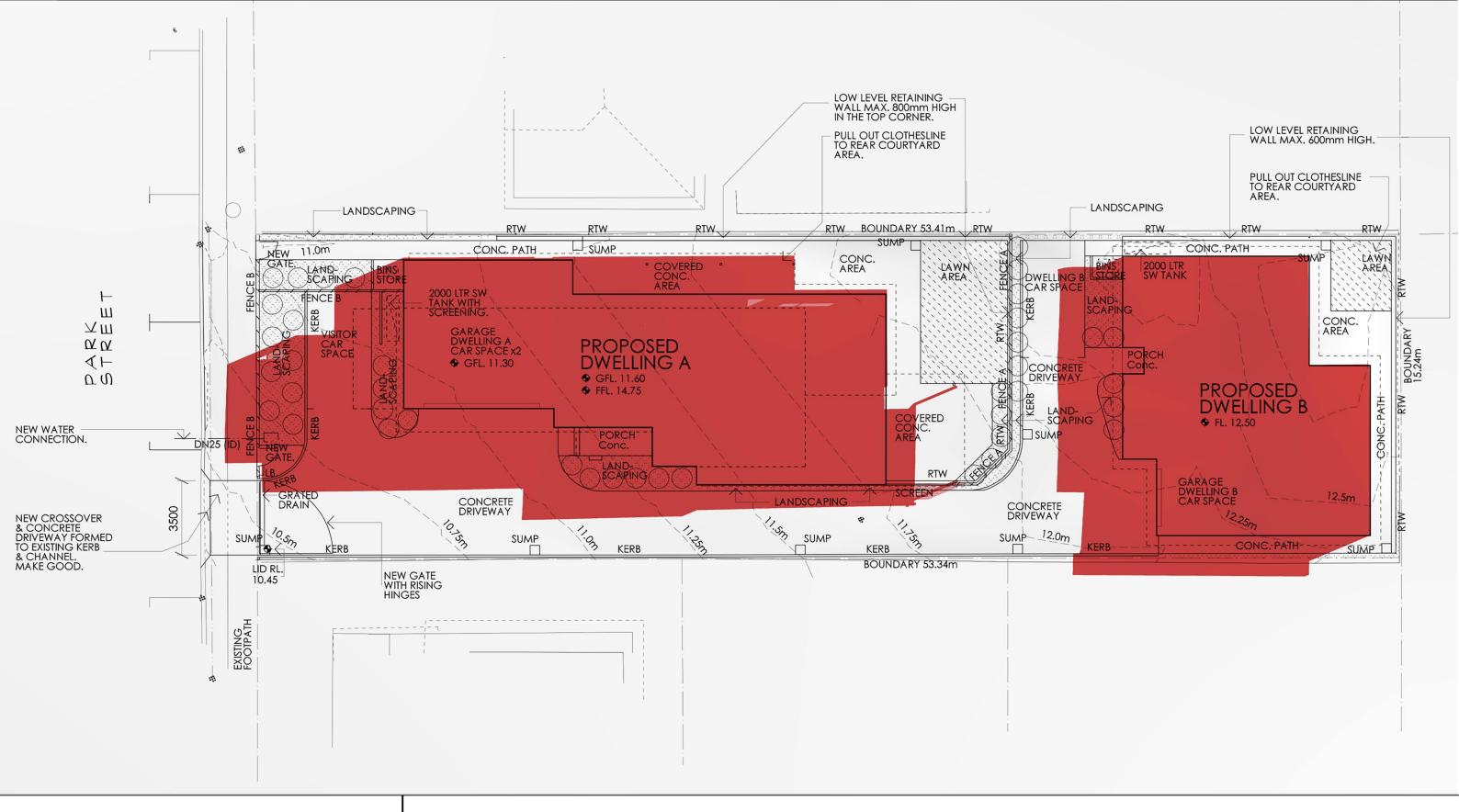
Diagrams drawn by Matt Gunn (M.Arch)
Calculated with Sky Tracer
Approximate Only

Approximate Only Document Set ID: 5169588 Version: 1, Version Date: 18/12/2023 DATE: SEPTEMBER 23

TIME: 9:00am



NORTH



Proposed development at 12 Park St., Bellerive

Coordinates: -42.87, 147.37

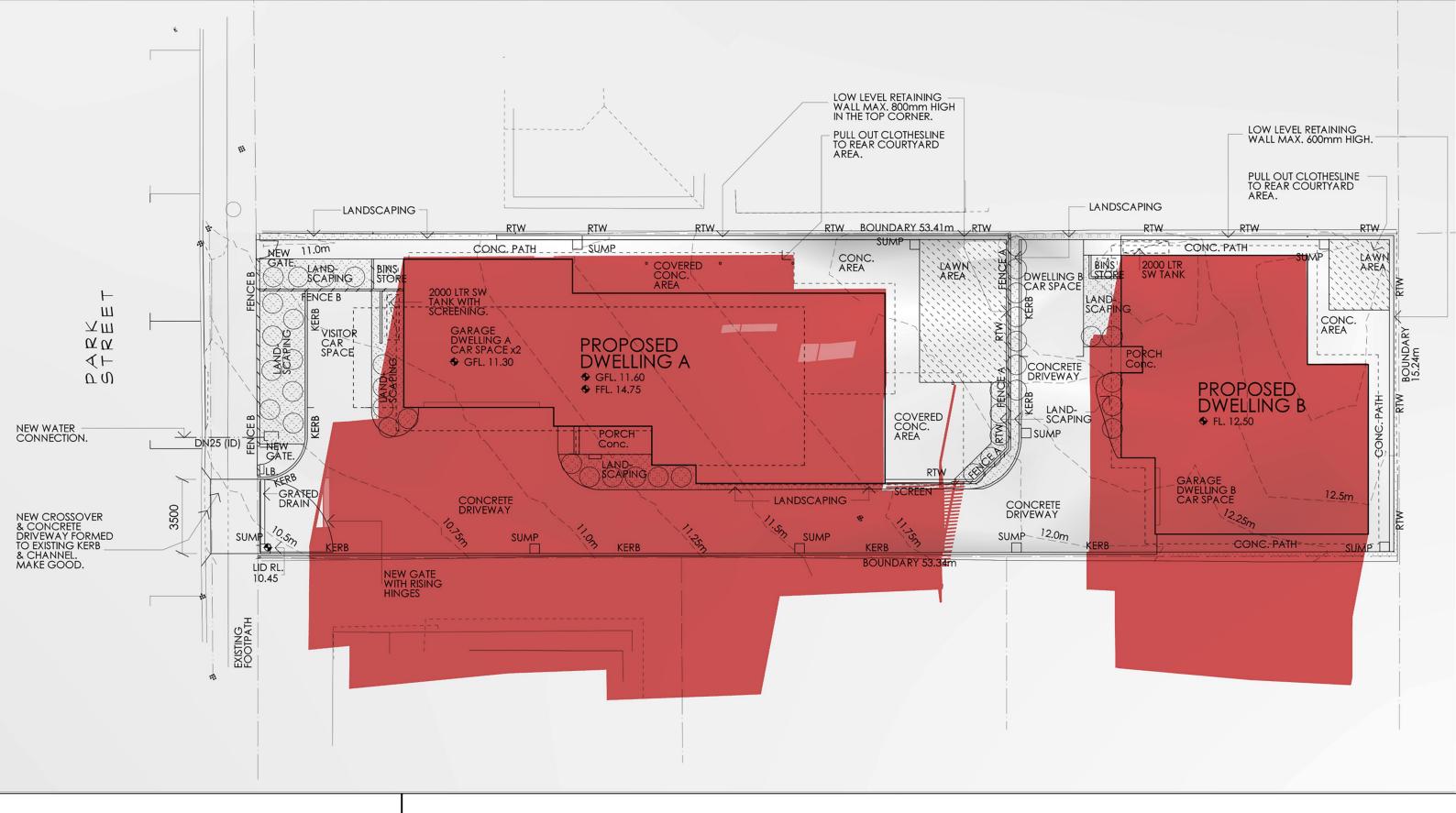
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Diagrams drawn by Matt Gunn (M.Arch)
Calculated with Sky Tracer
Approximate Only
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Document Set ID: 5169588 Version: 1, Version Date: 18/12/2023 DATE: SEPTEMBER 23

TIME: 12:00pm





Proposed development at 12 Park St., Bellerive

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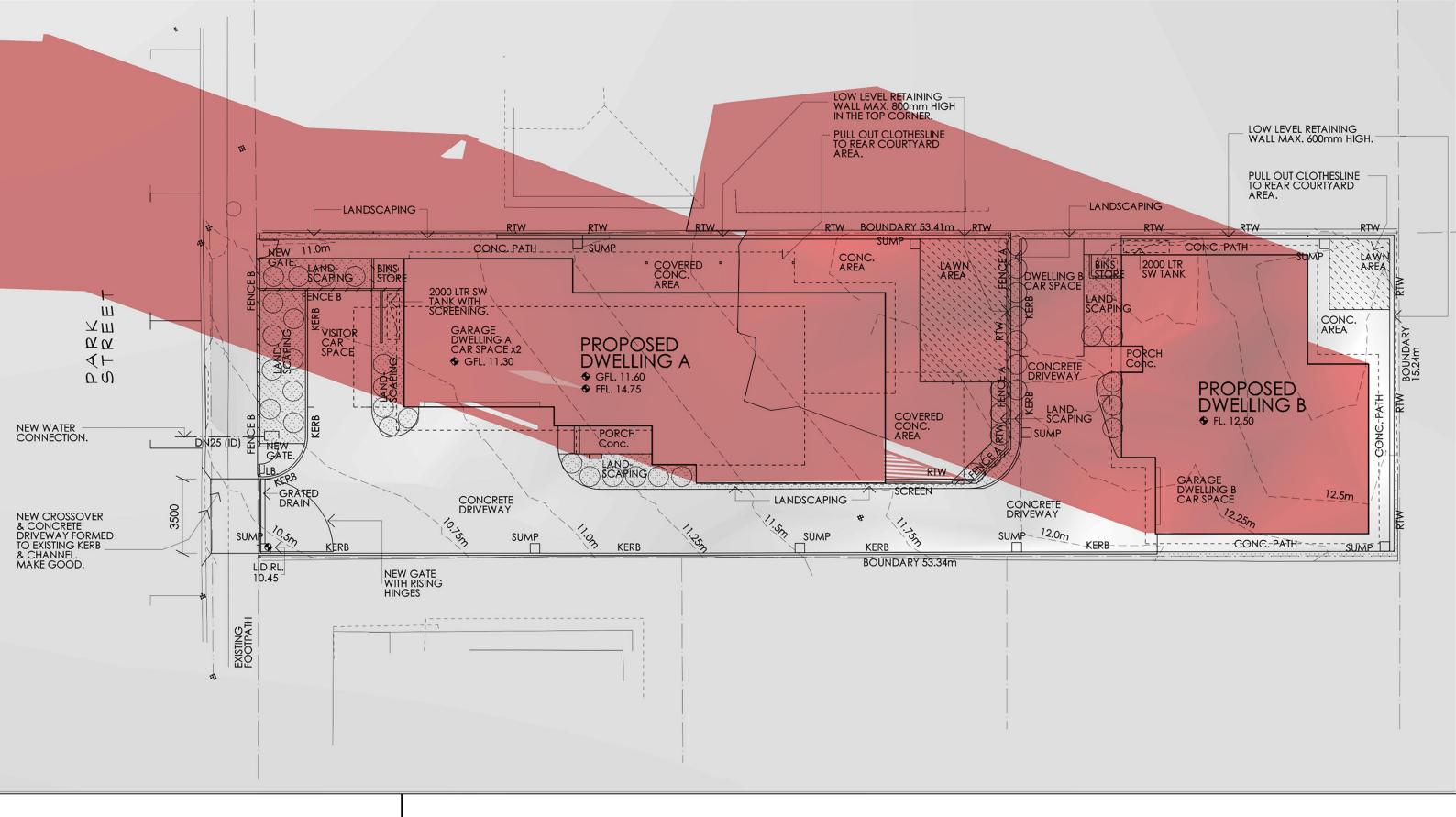
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Diagrams drawn by Matt Gunn (M.Arch)
Calculated with Sky Tracer
Approximate Only
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Document Set ID: 5169588 Version: 1, Version Date: 18/12/2023 DATE: SEPTEMBER 23

TIME: 3:00pm





Proposed development at 12 Park St., Bellerive

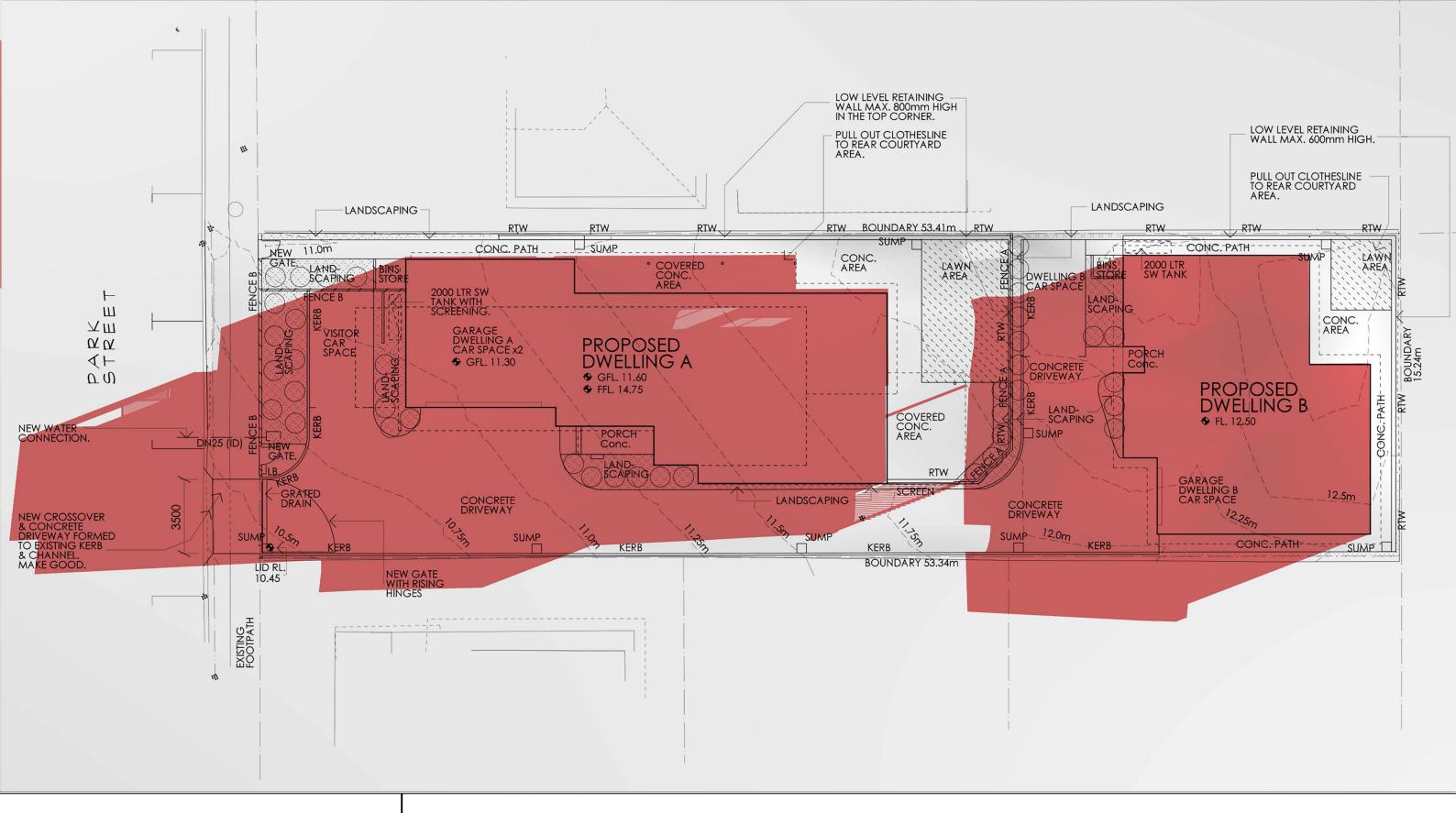
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Diagrams drawn by Matt Gunn (M.Arch)
Calculated with Sky Tracer
Approximate Only

Approximate Only Document Set ID: 5169588 Version: 1, Version Date: 18/12/2023 DATE: JUNE 21 TIME: 9:00am





Proposed development at 12 Park St., Bellerive

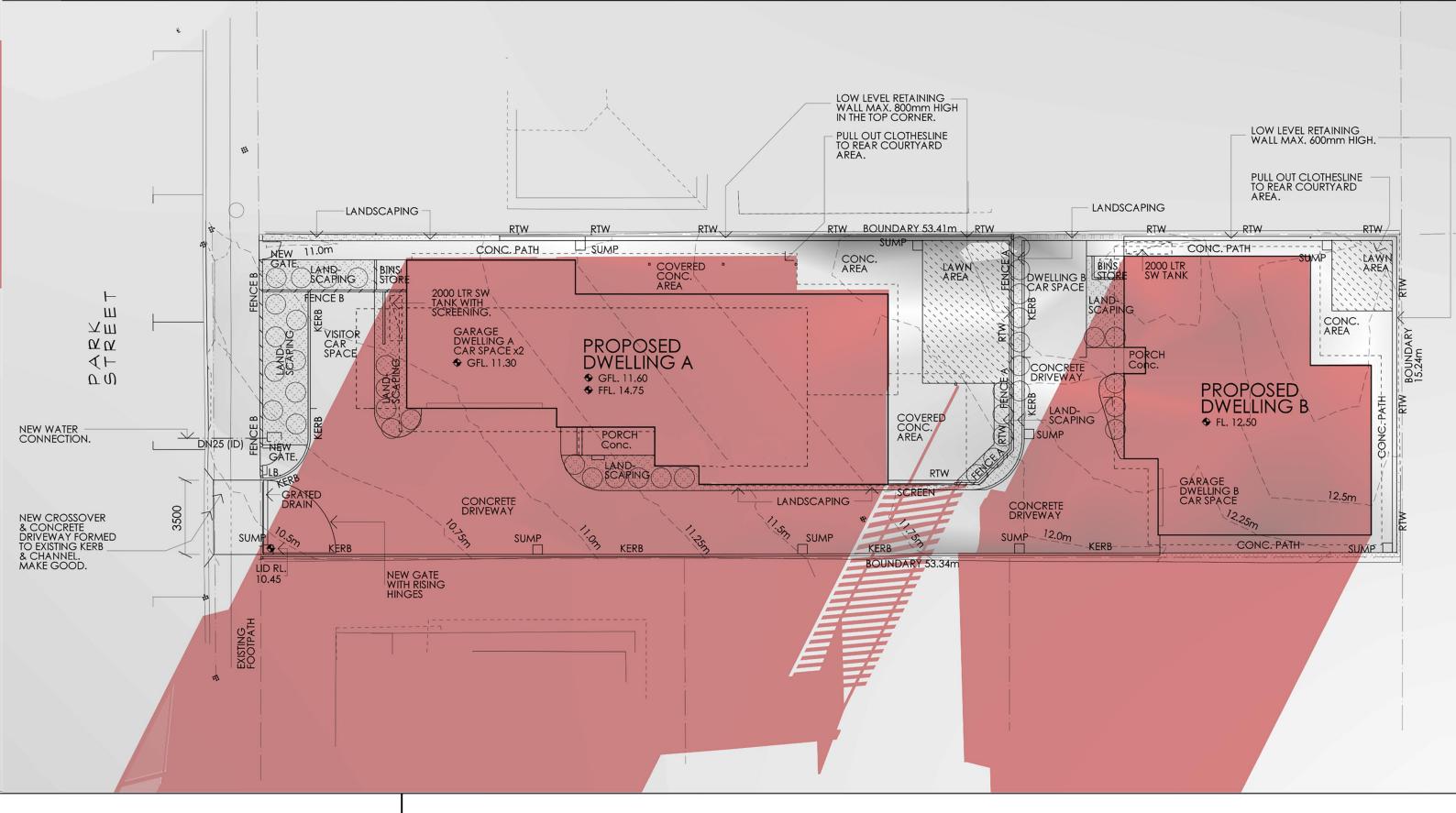
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Diagrams drawn by Matt Gunn (M.Arch)
Calculated with Sky Tracer
Approximate Only

Approximate Only Document Set ID: 5169588 Version: 1, Version Date: 18/12/2023 DATE: JUNE 21 TIME: 12:00pm





Proposed development at 12 Park St., Bellerive

Coordinates: -42.87, 147.37

1:200 @A3

Diagrams drawn by Matt Gunn (M.Arch)
Calculated with Sky Tracer
Approximate Only
Document Set ID: 5169588

Document Set ID: 5169588 Version: 1, Version Date: 18/12/2023 DATE: JUNE 21 TIME: 3:00pm

