

# BLIGH TANNER


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Glen Hotel Redevelopment – 24 Gaskell St Eight Mile Plains  
Flood Impact Assessment

Rohrig Constructions

Date: 15 May 2026

**BCC DS**  
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**APPLICATION REF**  
A007047398

<b>DOCUMENT</b>	Glen Hotel Redevelopment – 24 Gaskell St Eight Mile Plains Flood Impact Assessment			
<b>JOB NUMBER</b>	2026.0137			
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# EXECUTIVE SUMMARY

This flood study was prepared to understand if the proposed Glen Hotel Redevelopment at 24 Gaskell St Eight Mile Plains will impact flood conveyance or result in flood worsening for third party properties, as well as the related compliance to the 2014 Flood Hazard Overlay Code. The results of this study will inform BCC if the project is viable in the context of flooding.

The site at 2SP110621 covers an area of approximately 18,480 m<sup>2</sup>. To the east and directly fronting the Glen Hotel is the Bulimba Creek which is a mapped waterway that serves as the primary overland flow path for an upstream catchment which is predominantly urbanized.

## Summary of Existing Flood Behaviour

During events more common than the 10%AEP flood events, the flooding does not overtop the main channel bank of the Bulimba creek and does not affect built elements of the site.

During the 10%AEP the flooding behaviour shows the first overtopping into the Glen Hotel site occurring at the low point of the carpark adjacent to the pub structure. This is a minor sag point within the Glen Hotel Carparks characterised by a 33.8 surface level. It does not otherwise spill through the site, and impacts only a small part of the hotel carpark.

During events less common than the 10%AEP event the flood water overtops and flows through the internal roads towards Gaskell St. As the flood intensifies to the 1%AEP event, a second overtopping location at the boundary of the southern carpark area emerges, and though its impacts are considered minor, it does expand the extent of the site subject to sheet flow.

The flood behaviour is much impacted by the location of the 'Glen Weir' which is a wall constructed in the centre of the waterway channel and elevates the hydraulic gradeline upstream of this area.

The flood behaviour is exemplified by low velocity, low hazard sheetflow through the site connecting to the tailwater flows constrained at the northern extent by Logan Road which acts as a weir after the conveyance of the stormwater culverts is exhausted, providing a backwater level of approximately 34.2m<sub>AHD</sub>.

Bligh Tanner acknowledges that the pub, (a mixed use bar, bistro, gaming, and function facility) is flooded under a modelled 1%AEP. It is an existing structure and is not being assessed under this report.

## Summary of Proposed Flood Mitigation

The sheet flow behaviour through the site is a low velocity and low depth. It does not function as meaningful conveyance through the site and it is appropriate to prevent in entirety. The mitigation is therefore to construct a blockwork wall along the area where overtopping occurs.

The approach to mitigation is to ensure that the conveyance through the site is prevented entirely. The area provides little conveyance for Bulimba Creek as it represents an overtopping and low-velocity sheetflow through the site, as there is no increase in the afflux. This leaves the site flood behaviour around the proposed Hotel facility as being exposed only to the downstream tailwater impact generated by Logan Road overtopping. It is noted that an intensification of events is unlikely to generate worsening of the tailwater as the conveyance made available through overtopping Logan Rd is substantive.

The results shown in the flood figures (Appendix 1) show that the proposed flood wall does not result in flood worsening to third party properties or an increase in water level within the Bulimba Creek Waterway. There are negligible to no observable impacts on flood behaviour.

## Methodology

Bligh Tanner have entered into a data agreement by which the Bulimba Creek Flood Model was provided to Bligh Tanner by Brisbane City Council for modelling and impact assessment.

The following scenarios were assessed:

- + Existing Scenarios (Base case scenario)

- Modification to the underlying flood model by indicating the existing structures as an entity of non conveyance.
- + Developed Catchment
  - Modification to include a flood wall of TOW 35.00 which provides a minimum 300mm freeboard in the 1%AEP event.



Figure 1 Annotated 10%AEP Modelling



Figure 2 Annotated 1%AEP Modelling



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A1.FLOOD FIGURES

A2 FLOODWISE REPORT

A3 CIVIL CONCEPT DESIGN

A4 ARCHITECTURE DRAWINGS

# 1. INTRODUCTION

## 1.1 Background and Objectives

The Glen Hotel at 24 Gaskell Street, Eight Mile Plains is an established hotel and entertainment precinct that has undergone multiple stages of redevelopment over time. The current proposal includes a new hotel accommodation building, extensions and refurbishment to the existing hotel facilities, and associated access and servicing upgrades.

The purpose of this Flood Impact Assessment is to assess the potential flood-related impacts associated with the proposed development and demonstrate that the works are compatible with the flood characteristics of the site. The report has been prepared to address the relevant planning requirements and provide an assessment of flood behaviour, flood impacts and building immunity levels associated with the proposed development.

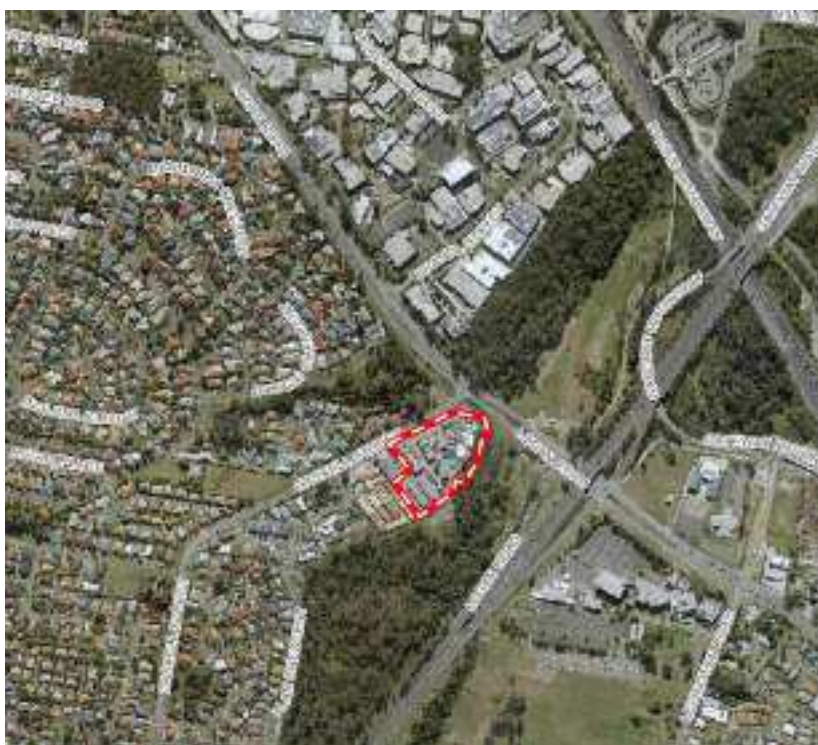
Key development information is in the table below.

**Table 1** Key Information

Developer	The Glen Hotel
Address	24 Gaskell St, Eight Miles Plains
Real property Address	2SP110621
Property Zoning	DC1 District centre (District)
Lot Area	18,480 m <sup>2</sup>

## 1.2 Site Locality

The Glen Hotel is located at 24 Gaskell Street, Eight Mile Plains, approximately 14 km south-east of the Brisbane CBD. The site is situated within an established urban area comprising a mix of commercial, entertainment, residential and community uses, with frontage to Gaskell Street and proximity to the Pacific Motorway corridor and Bulimba Creek.



**Figure 3** Site Locality

The lot is zoned as DC1 District Centre



Figure 4 Surrounding Land Uses

### 1.3 Available Flood Information

The site is located within Brisbane City Council's Flood Overlay, with the site affected by Flood Planning Area 1 (Creek/Waterway Flooding) through to FPA5. The area of development interest is characterised by FPA4. Council flood mapping indicates that overland and creek flooding impacts extend across parts of the existing hotel and associated parking areas, including access routes connected to the proposed development.

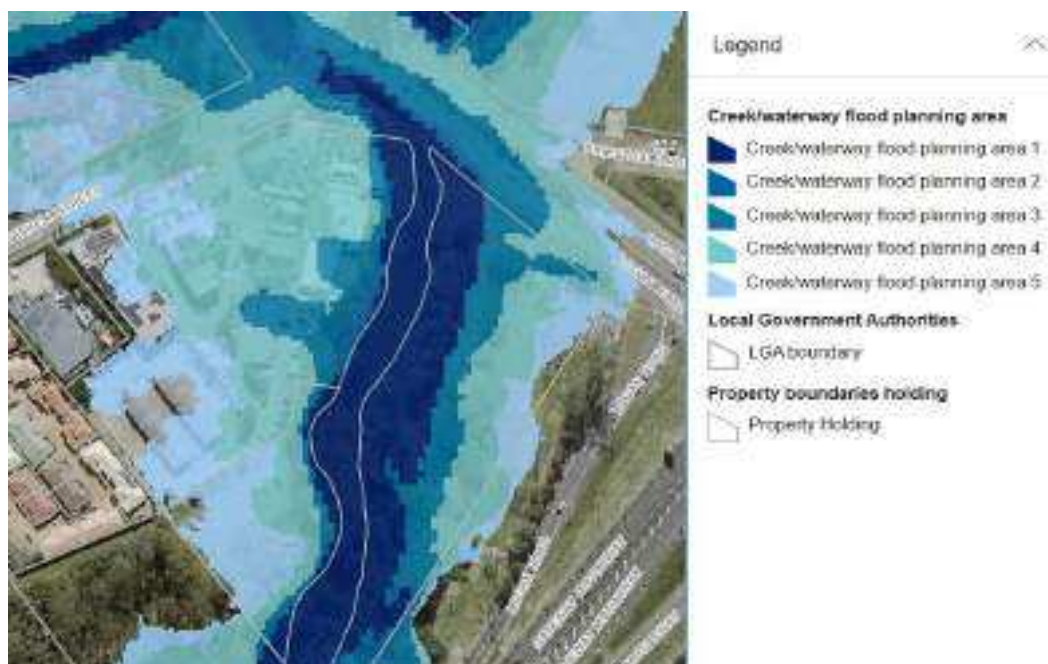


Figure 5 Flood Hazard Overlay Extract

Available flood information reviewed as part of this assessment includes Brisbane City Council Flood Awareness Mapping, the Flood Overlay Code and Flood Planning Scheme Policy under Brisbane City Plan 2014, together with available surveyed surface levels and observed flood extents within the surrounding road network. Based on the overlay mapping, the development triggers the requirement for a flood risk assessment to demonstrate that the proposed use remains compatible with the applicable flood hazard.

## 1.4 Proposed development

The proposed redevelopment of The Glen Hotel generally comprises the following works:

- + Demolition of the existing bottle shop
- + Construction of a new multi-storey hotel accommodation building comprising
  - New hotel rooms
  - Function facilities
  - Replacement bottle shop
- + Expansion and modification of existing gaming and function areas
- + Associated landscaping and public realm improvements
- + Modifications to internal access arrangements and car parking areas
- + Associated civil and stormwater infrastructure upgrades to support the redevelopment

Refer to Figure 6 for the ground floor site plan. Architectural drawings can be seen in the Appendix A1.



Figure 6 Proposed Site Plan

# 2. FLOOD MODELLING METHODOLOGY

## 2.1 Existing Case

The BCC adopted Bulimba Creek Flood Study 2021 hydraulic model was procured by Bligh Tanner from Council and was utilised as basis for flood modelling. The 1%AEP with climate change under a 60minute critical storm duration was adopted as the model as per the BCC Bulimba Creek Flood Study Report.

The flood model results represent existing site conditions validated against the extents shown in the BCC Flood Awareness mapping. The model parameters were retained as per the received and unchanged. The 2021 model used 2019 LiDAR-derived topographic data as its base topography. Under the existing case, Bligh Tanner has modelled the structures as full blockage. This produced negligible changes to the flood extents in comparison to the extents as observed in the BCC Flood Awareness Maps. There were no other changes to the BCC model.

## 2.2 Developed Case

Proposed development has been reflected in the model by applying additional terrain modifications within the project site. The proposed flood wall will tie into the existing blockwork fire wall that extends into facility along the edge of the HVAC installation. This prevents the flood wall termination point to the existing building as point of failure.



Figure 7 Visual wall location (Indicative)

The flood wall then will extend along the 'overtopping' interface between Bulimba Creek and the Glen Hotel Site. Refer below layout of flood wall. Note that the tallest extent of the wall will be approximately 900mm at the tie in point which will prevent a flood HGL of 34.5mAND. The proposed wall will have a 35.00mAHD top of wall until its termination at the southern end where the ground level matches top of wall and the flood depth is 34.7mAHD. This ensures that there is a minimum of 300mm freeboard in the shallowest flooding area, and 500mm freeboard at the areas subject to the (relatively) deepest flooding.



# 3.FLOOD RESULTS

Refer to Appendices A1 for the Existing Case and Developed Case flood maps, indicating flood depth, level, velocity, hazard and dV (Depth x Velocity).

## 3.1 General Findings

During all flood events modelled, the water is constrained by Logan Rd as the culverts do not provide the conveyance required to transport the flows. Logan Rd acts as a weir, with variances in the critical depth above crown of the road controlling the grade line of the flood event. In all events a shallow but wide high velocity sheet flow over Logan Rd occurs. This creates a downstream backwater effect of approximately 34.2mAHD.

The other characteristic of the flood behaviour is the Glen Hotel Weir, which is an existing concrete structure within the centre of Bulimba creek channel. This keeps the HGL higher in the upstream portion of the site and certainly contributes to the flood waters sheeting over the creek banks and into the site.

The flood behaviour through the site under the existing site conditions around the existing bottle shop and the western side of the pub is shallow with low velocity.

In the post developed the overtopping of the creek into the western portion and central parts of the site does not occur. It is prevented by the flood wall and the existing pub structure. The site is still impacted by the tailwater effect rising up Gaskell St.

## 3.2 Flood Impacts

Afflux plots showing relative flood impacts can be seen in Appendix A1.

Results show that for all events, there is no impacts.

## 3.3 Flood Immunity Requirements and Building Floor Levels

The Flood Immunity Requirements are set out in OV8 Flood Hazard Overlay Code. The following table indicates the proposed flood immunity requirements;

	BCA Classification	Flood planning categories (As per Table 8.2.11.3.D)	Immunity Requirements (As per Table 8.2.11.3.L)	Proposed Floor Level
New Bottle shop and Hotel Foyer	Class 3 "Non-Habitable part of a Class 3"	Cat B	1%AEP (34.2mAHD) +300mm	34.5mAHD
New PMT (if required)	Class 3 "Essential Electrical Services)	Cat A	1%AEP (34.2mAHD) +500mm	34.7mAHD

The extensions to the existing pub are proposed at a level of 34.2mAHD and are not being assessed under the Flood Hazard Overlay Code. It is acknowledged that the existing structure floods under the modelled 1%AEP event and the extensions to this structure at a matching floor height should be considered as also flooding.

It is relevant that the proposed extensions are located towards the internal area of the site, on the western facing side of the pub where flood waters are prevented.

Furthermore, it is not practical to have internal step ups within the existing structure, given that the existing structure is impacted by the modelled 1%AEP. It is therefore proposed that the risks are to be managed under an FEMP (Refer Bligh Tanner report 2026.0137-RP04-P1 FEMP Glen Hotel Redevelopment). This is a more practical approach to flood risk management of the pub than elevating the least impacted portion of the pub extents.

# 4. FLOOD HAZARD OVERLAY CODE RESPONSE

**Table 2**      **Applicable Code Responses**

Criteria	Short description	Response / Compliance check
	Minimum building floor level greater than the flood planning level	Yes, highest flood planning level (FPL) applicable to the proposed Hotel development is 34.2mAHD, with the classification requirements for freeboard bringing the proposed Hotel to 34.5mAHD. Additionally, essential infrastructure associated with the development is proposed at 34.7mAHD.
P05	Minimise the risk to people from flood hazard on the site	Yes, the flood wall reduces the flood risk within the site by reducing the extent of flood water hazard from the site.
P07	Development does not directly or indirectly create a material adverse impact on flood behaviour or drainage on properties that are upstream, downstream or adjacent to the development	Yes, as shown in appendix A1, there is no reduction in conveyance of Bulimba creek by construction of the flood wall.
P08	Development for filling or excavation in an area affected by creek/waterway flooding does not directly, indirectly or cumulatively cause any material increase in flooding or hydraulic hazard or involve significant redistribution of flood storage from high to lower areas in the floodplain	Yes, similar flood depths and extents are observed on existing and proposed scenarios. No significant increase observed as well in flows, velocities, hazards, in and surrounding the proposed development.
P09	Maintains the conveyance capacity of existing overland flow paths and creek/waterways	Yes, existing overland flow paths around the property area maintained.
P011	Development has access which, having regard to hydraulic hazard, provides for safe vehicular and pedestrian movement and emergency services access to adjoining roads	Yes, reduction in overall flooding of the sites carparking and manoeuvring areas increases safety of pedestrians and vehicles.

# 5. CONCLUSION AND RECOMMENDATIONS

The flood assessment undertaken for the Glen Hotel Redevelopment demonstrates that the proposed works do not result in appreciable flood worsening impacts to third party properties and are generally compatible with the existing flood behaviour of the site. The modelling confirms that flooding within the site is characterised by shallow, low velocity sheet flow associated with overtopping of Bulimba Creek and downstream tailwater effects generated by Logan Road acting as a hydraulic control. The proposed flood wall arrangement prevents overtopping conveyance through the development footprint and does not generate measurable afflux impacts external to the site.

It is acknowledged that portions of the existing Glen Hotel structure are impacted during the modelled 1%AEP flood event with the proposed mitigation. However, the Glen Hotel represents a long-established use that has operated on the site since the 1960s, with the operators possessing a strong understanding of the local flood behaviour and flood response requirements associated with the site. The practical operation of the establishment during significant rainfall and creek events forms an important component of the flood risk management approach for the redevelopment.

The proposed extensions to the existing pub structure are generally intended to match and integrate with the existing finished floor levels. Raising isolated portions of the existing facility to achieve full immunity would create substantial operational and accessibility constraints within the established building layout, including internal step-ups and disconnected floor levels. Given the existing lawful use and demonstrated historic operation of the site, a risk management approach is considered more practical and appropriate than attempting to retrofit full immunity across the existing hotel structure.















Flood risk to the development will instead be managed through a combination of operational measures and flood resilient design practices. This includes the preparation and implementation of a Flood Emergency Management Plan (FEMP), incorporation of flood resilient building materials where practical, protection of critical services and plant, and operational procedures for flood forecasting, site preparation and temporary closure during significant flood events.

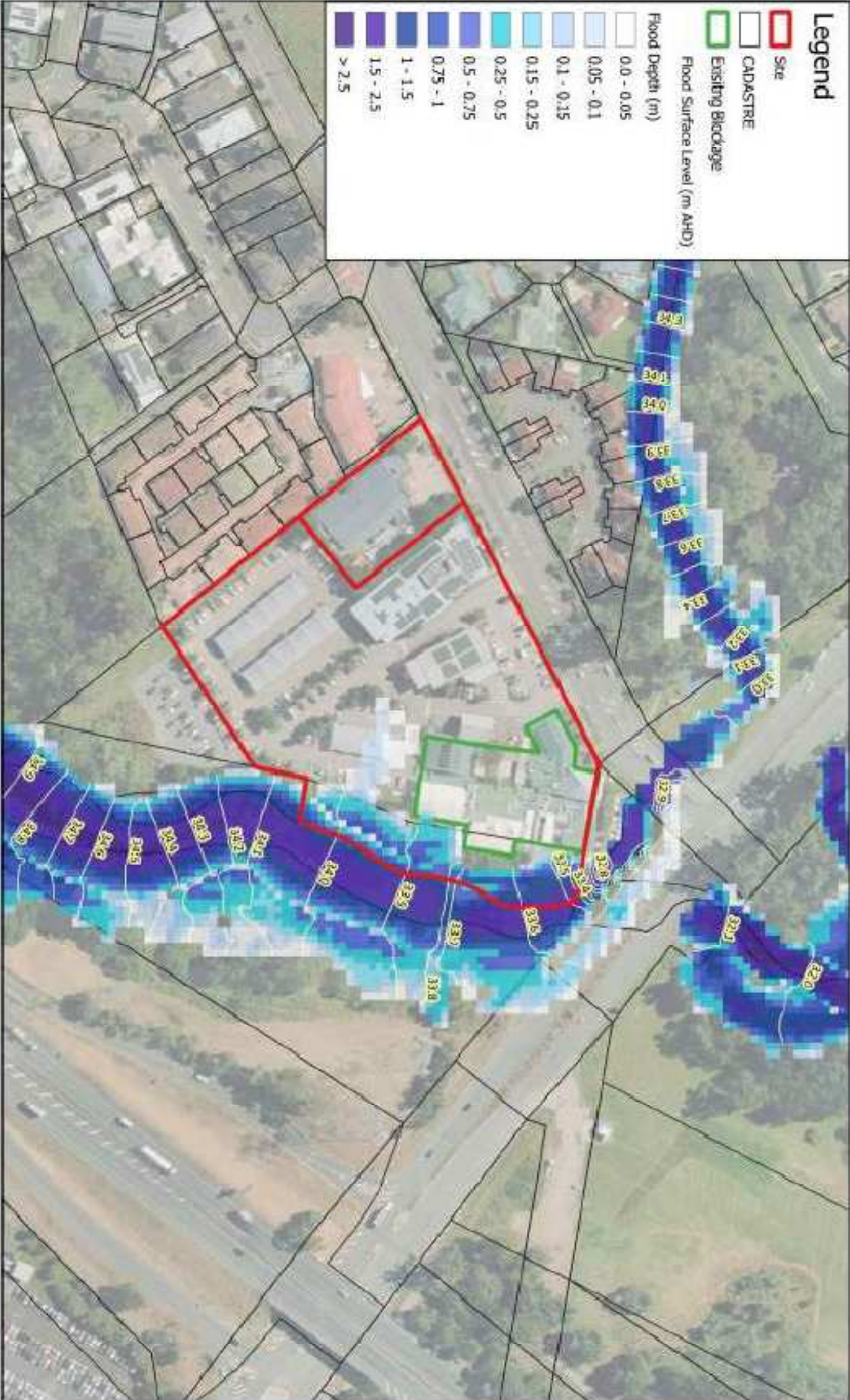
The proposed flood wall along the western interface of the building footprint represents a practical, low-cost and effective mitigation measure that significantly reduces flood conveyance through the site and protects key manoeuvring and access areas adjacent to the building. The wall integrates with the existing building form and is considered an appropriate engineering response to the observed overtopping behaviour associated with Bulimba Creek flooding.

Overall, the redevelopment is considered capable of being safely operated within the context of the existing flood environment, subject to implementation of the recommended flood management measures and flood resilient construction practices.

# A1. FLOOD FIGURES

# Legend

-  Site
  -  CADASTRE
  -  Existing Blockage
  -  Flood Surface Level (m AHD)
- Flood Depth (m)
-  0.0 - 0.05
  -  0.05 - 0.1
  -  0.1 - 0.15
  -  0.15 - 0.25
  -  0.25 - 0.5
  -  0.5 - 0.75
  -  0.75 - 1
  -  1 - 1.5
  -  1.5 - 2.5
  -  > 2.5



TITLE

Figure

Existing 10% AEP with Climate Change Flood Depths and Levels

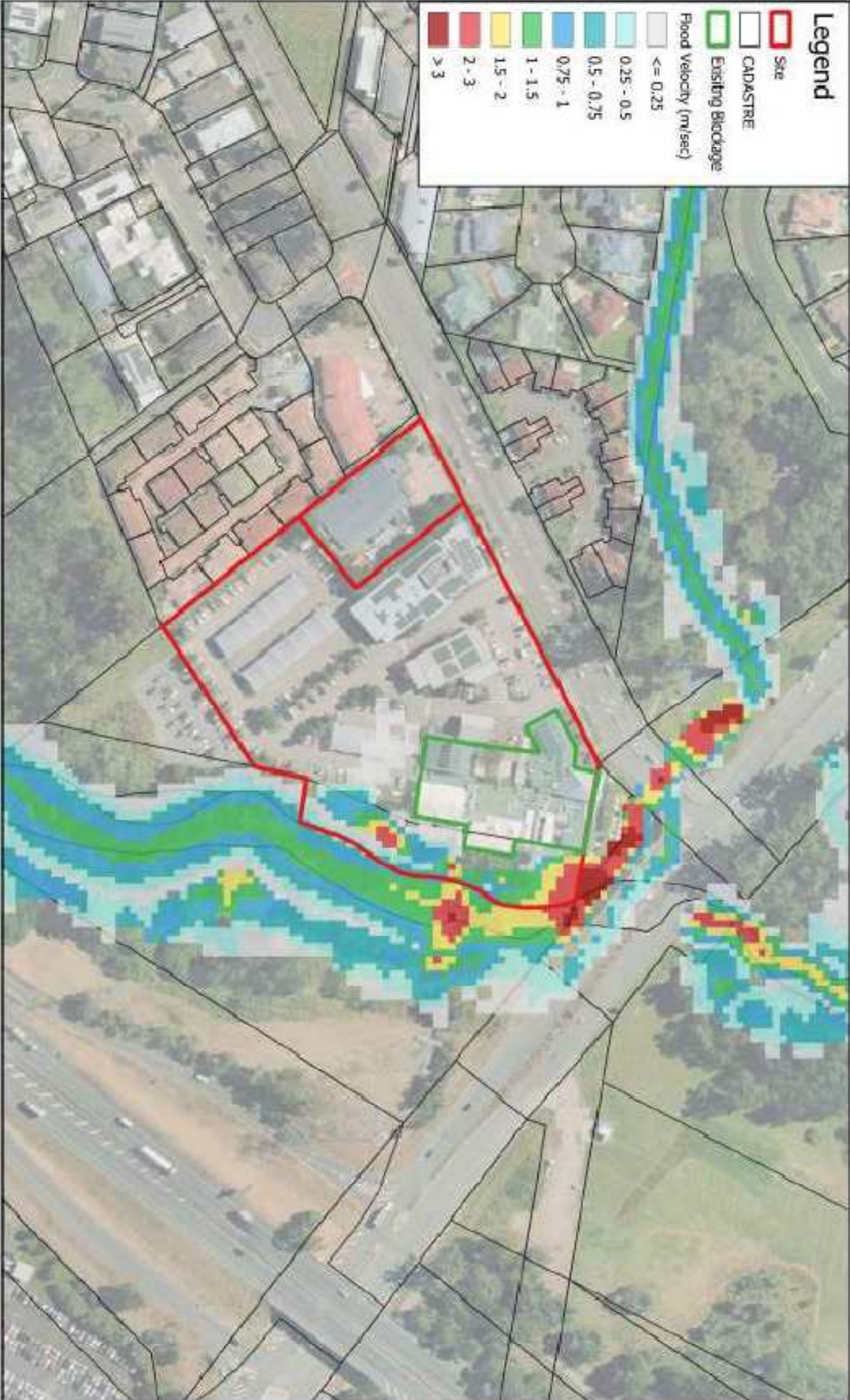
PROJECT  
THE GLEN HOTEL

A-01

Date	07/05/2026	Drawn	ME	Check	ME	Approved	TR	Scale	1:2000	Rev	1
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0 100 200 m





**Legend**









- Site
- CADASTRE
- Existing Blockage
- Flood Velocity (m/sec)
- <= 0,25
- 0,25 - 0,5
- 0,5 - 0,75
- 0,75 - 1
- 1 - 1,5
- 1,5 - 2
- 2 - 3
- > 3

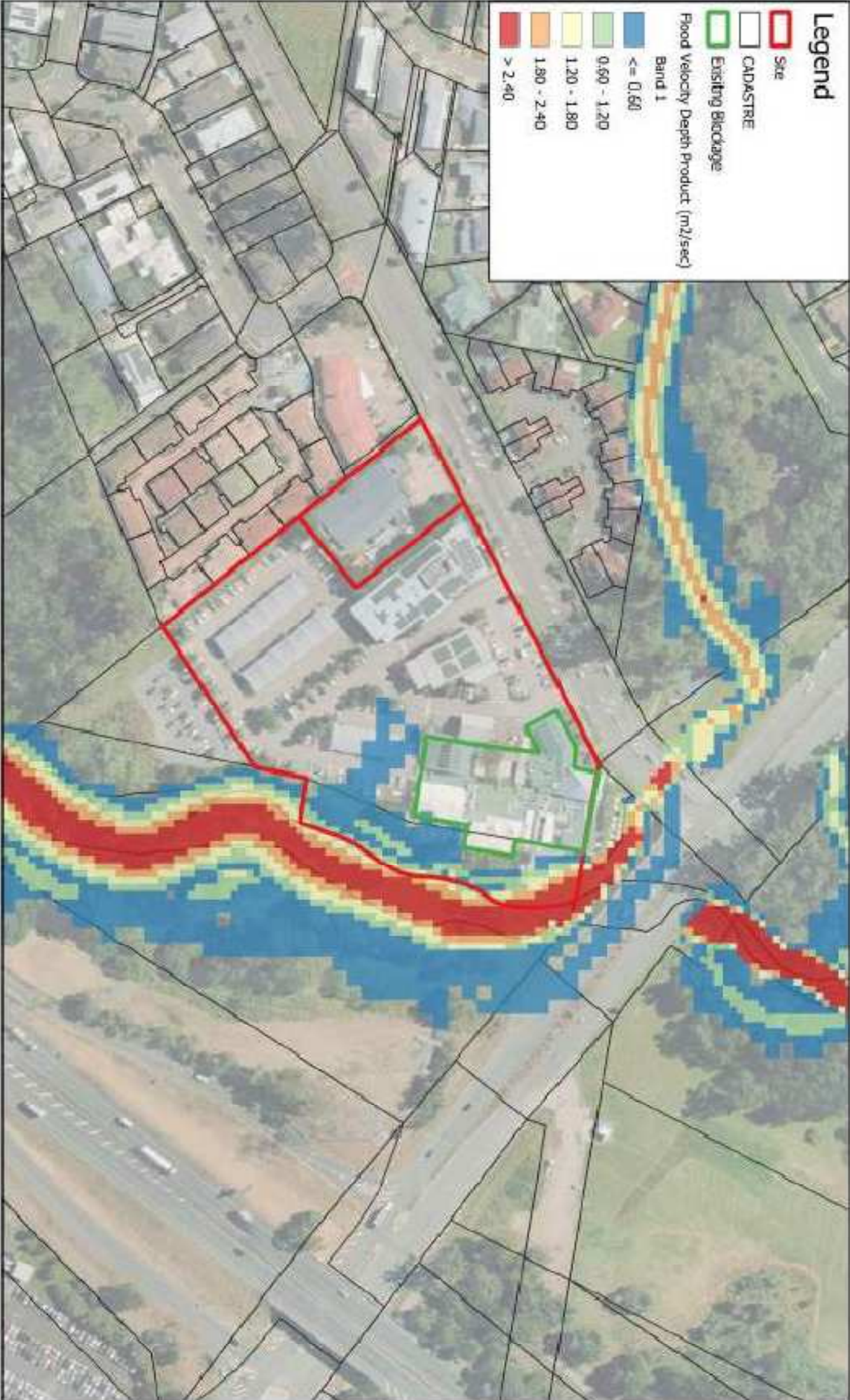
TITLE  
 Figure A-02  
 Existing 10% AEP with Climate Change Flood Velocity

PROJECT  
 THE GLEN HOTEL

Date 07/05/2026	Drawn ME	Check ME	Approved TR	Scale 1:2000	Rev 1
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# Legend

-  Site
-  CADASTRE
-  Existing Blockage
- Flood Velocity Depth Product (m<sup>2</sup>/sec)**  
Band 1
  -  <= 0,60
  -  0,60 - 1,20
  -  1,20 - 1,80
  -  1,80 - 2,40
  -  > 2,40



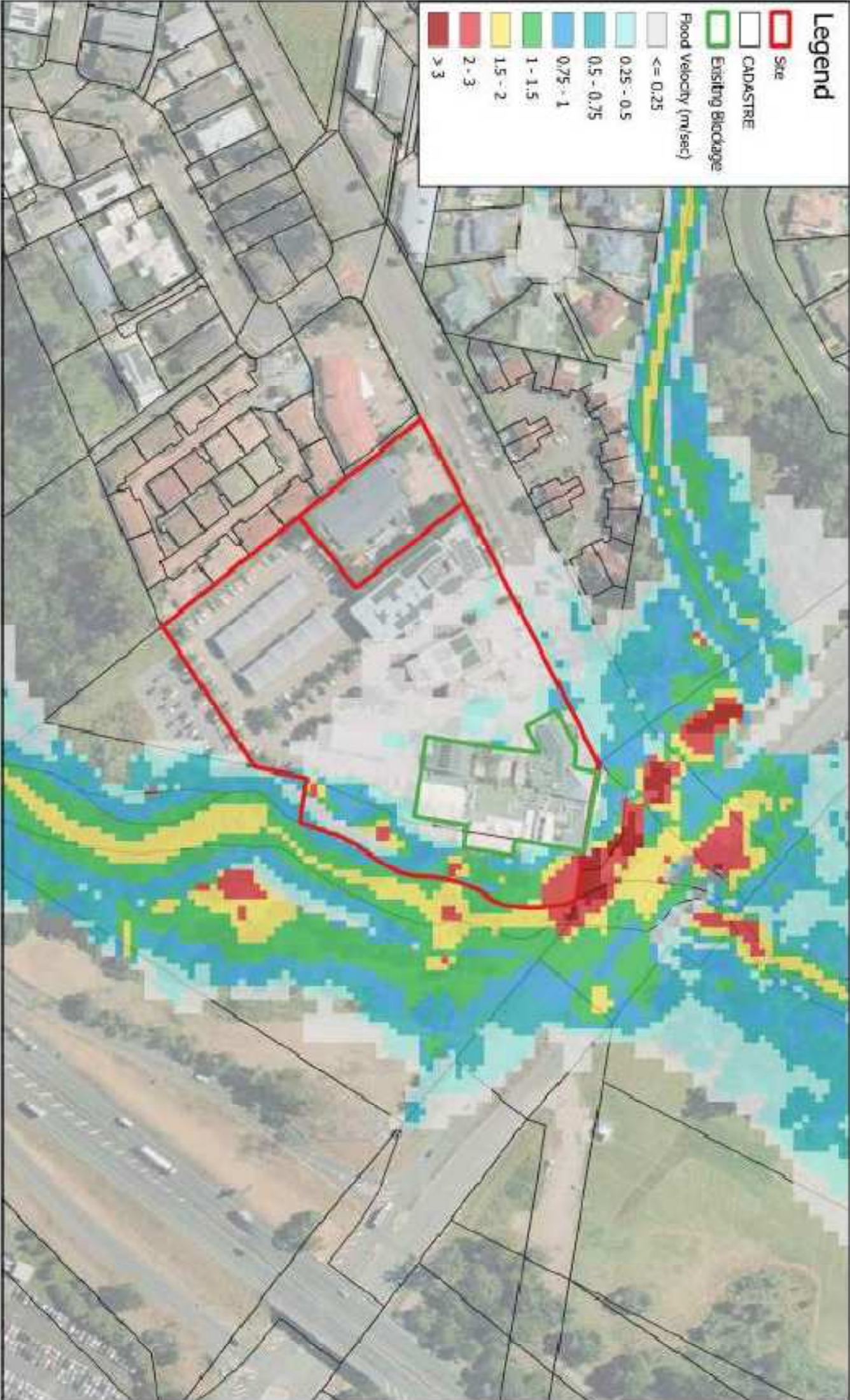
TITLE  
Figure A-03  
Existing 10% AEP with Climate Change Flood Velocity Depth Product  
PROJECT  
THE GLEN HOTEL

0 100 200 m



Date	Drawn	Check	Approved	Scale	Rev
07/05/2026	ME	ME	TR	1:2000	1





TITLE  
 Figure A-05  
 Existing 1% AEP with Climate Change Flood Velocity  
 PROJECT  
 THE GLEN HOTEL

Date	Drawn	Check	Approved	Scale	Rev
07/05/2026	ME	ME	TR	1:2000	1



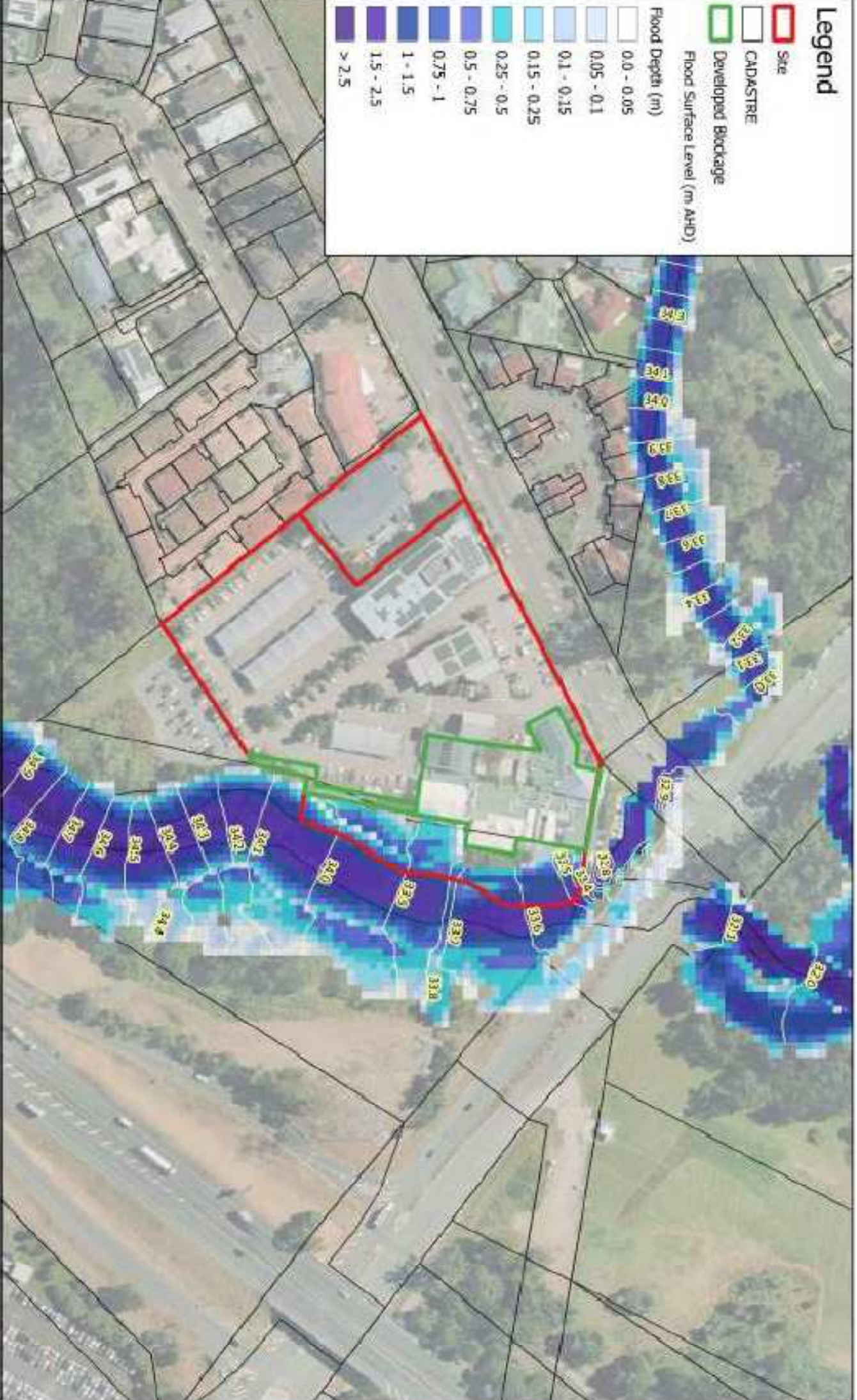
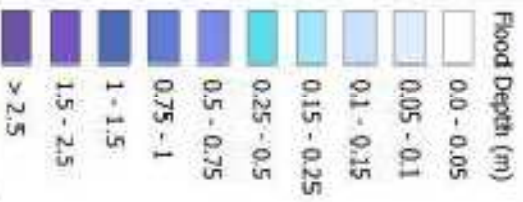
# Legend

Site

CADASTRE

Developed Blockage

Flood Surface Level (m AHD)



TITLE

Figure

B-01

Developed 10% AEP with Climate Change Flood Depths and Levels

PROJECT

THE GLEN HOTEL

0 100 200 m



Date  
07/05/2026

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ME

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ME









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TR

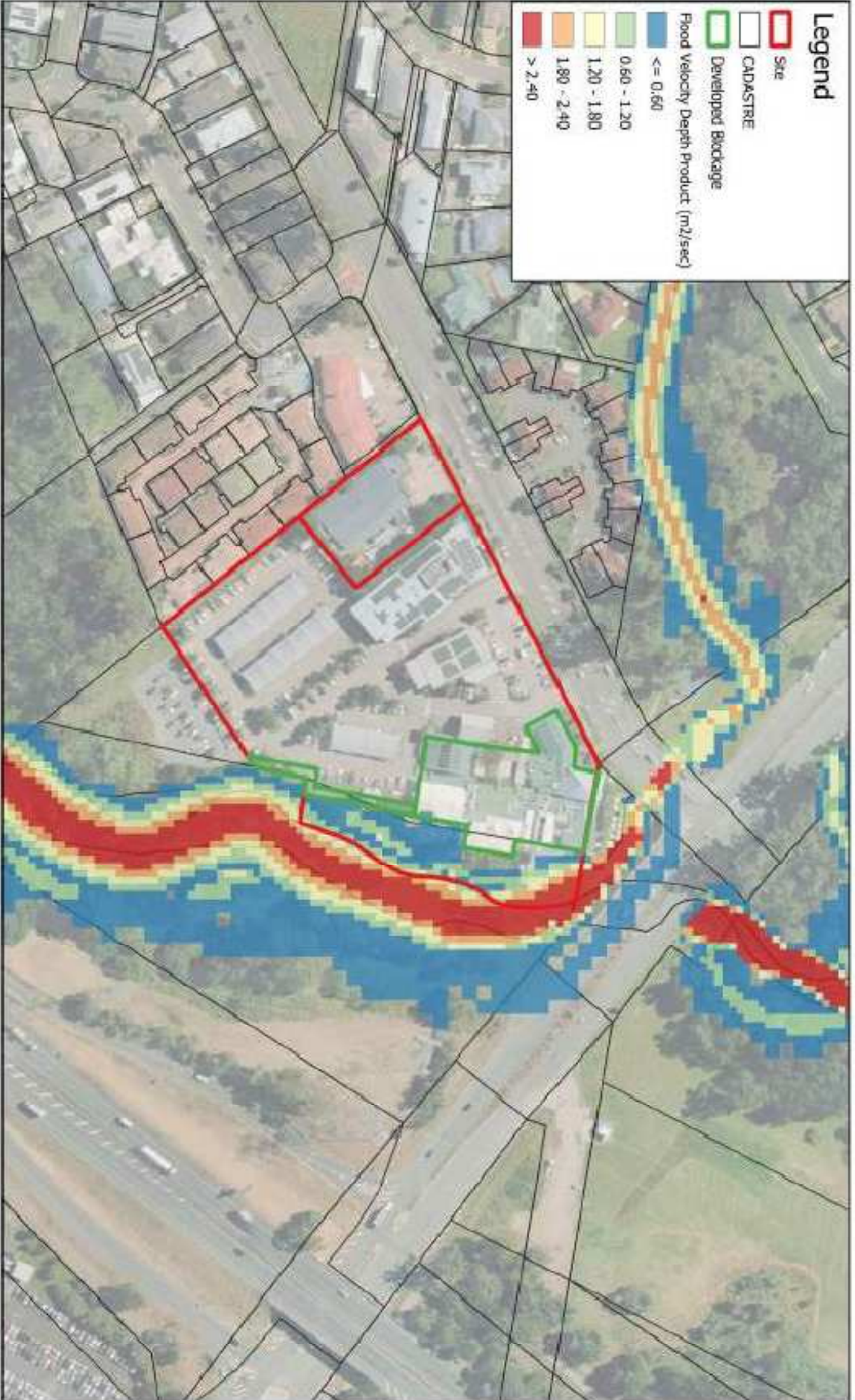
Scale  
1:1000

Rev  
1



# Legend














-  Site
-  CADASTRE
-  Developed Blockage
- Flood Velocity Depth Product (m<sup>2</sup>/sec)**
  -  <= 0,60
  -  0,60 - 1,20
  -  1,20 - 1,80
  -  1,80 - 2,40
  -  > 2,40

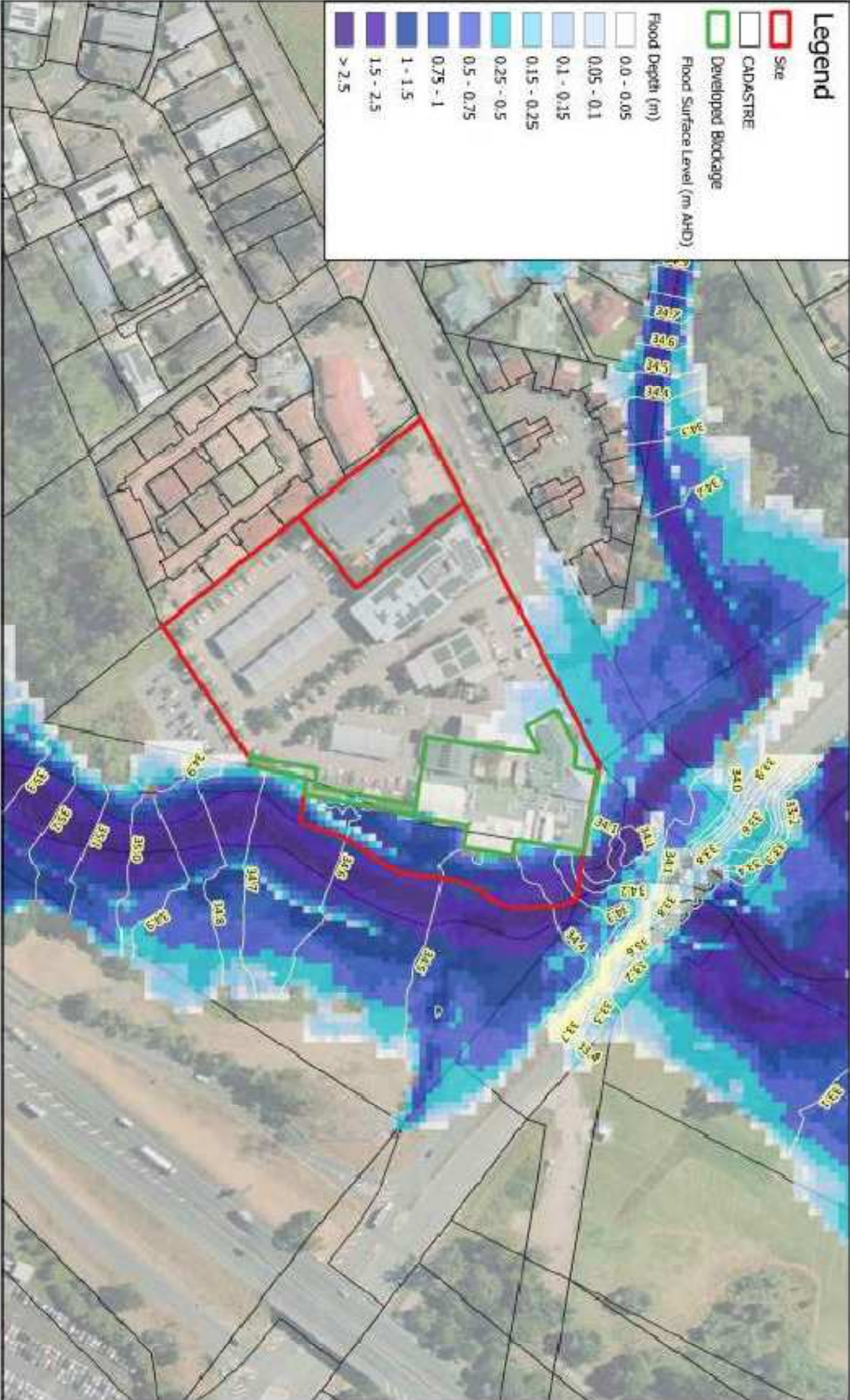


TITLE  
Figure B-03  
Developed 10% AEP with Climate Change Flood Velocity Depth Product  
PROJECT  
THE GLEN HOTEL

Date	07/05/2026	Drawn	ME	Check	ME	Approved	TR	Scale	1:2000	Rev	1
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# Legend

-  Site
  -  CADASTRE
  -  Developed Blockage
- Flood Surface Level (m AHD)
-  0.0 - 0.05
  -  0.05 - 0.1
  -  0.1 - 0.15
  -  0.15 - 0.25
  -  0.25 - 0.5
  -  0.5 - 0.75
  -  0.75 - 1
  -  1 - 1.5
  -  1.5 - 2.5
  -  > 2.5

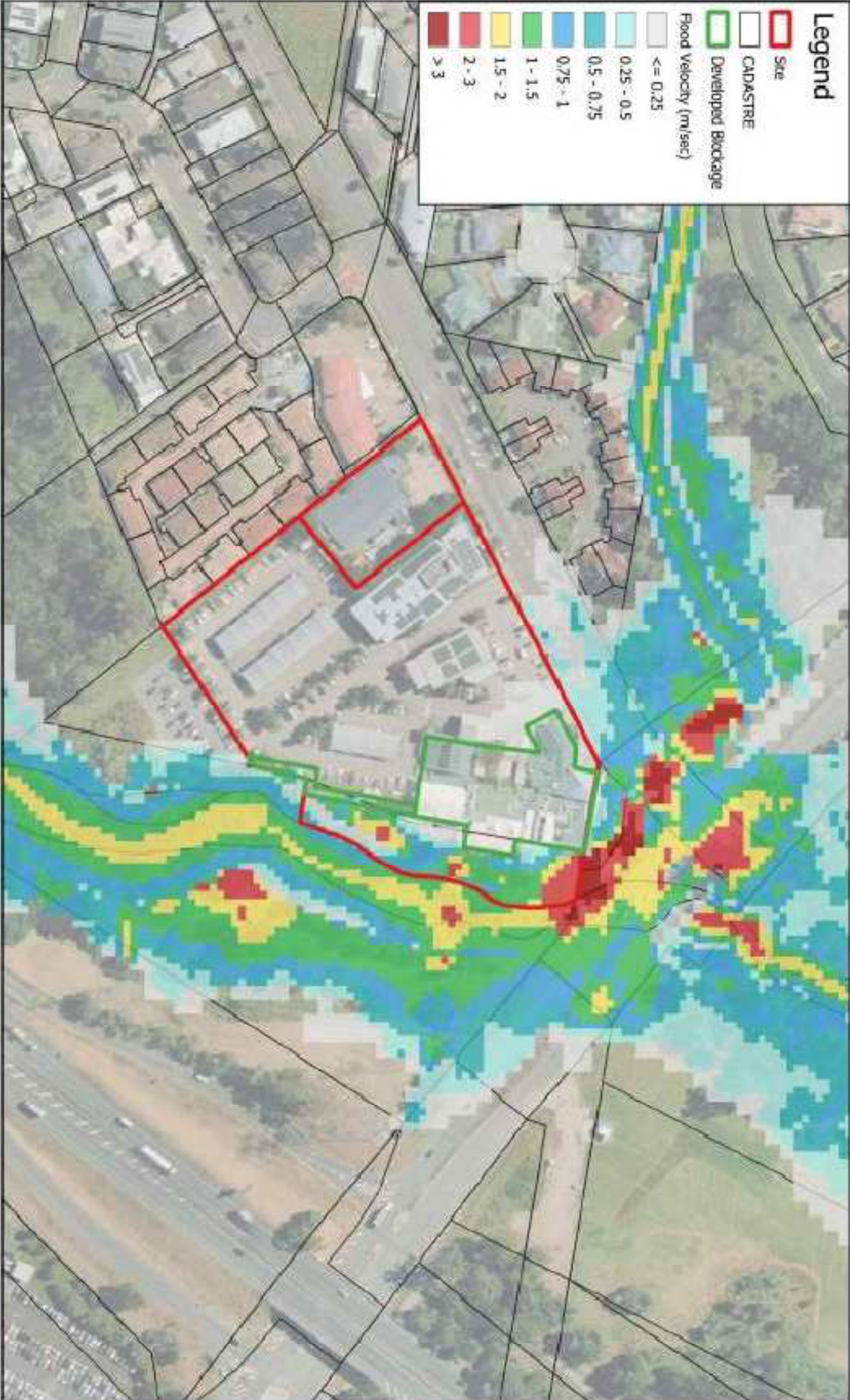


TITLE  
Figure B-04  
Developed 1% AEP with Climate Change Flood Depths and Levels  
PROJECT  
THE GLEN HOTEL

0 100 200 m



Date	07/05/2026	Drawn	ME	Check	ME	Approved	TR	Scale	1:2000	Rev	1
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### Legend

- Site
- CADASTRE
- Developed Blockage

Flood Velocity (m/sec)

- <= 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1
- 1 - 1.5
- 1.5 - 2
- 2 - 3
- > 3

TITLE  
 Figure  
 Developed 1% AEP with Climate Change Flood Velocity

B-05

PROJECT  
 THE GLEN HOTEL

0 100 200 m

Date: 07/05/2026

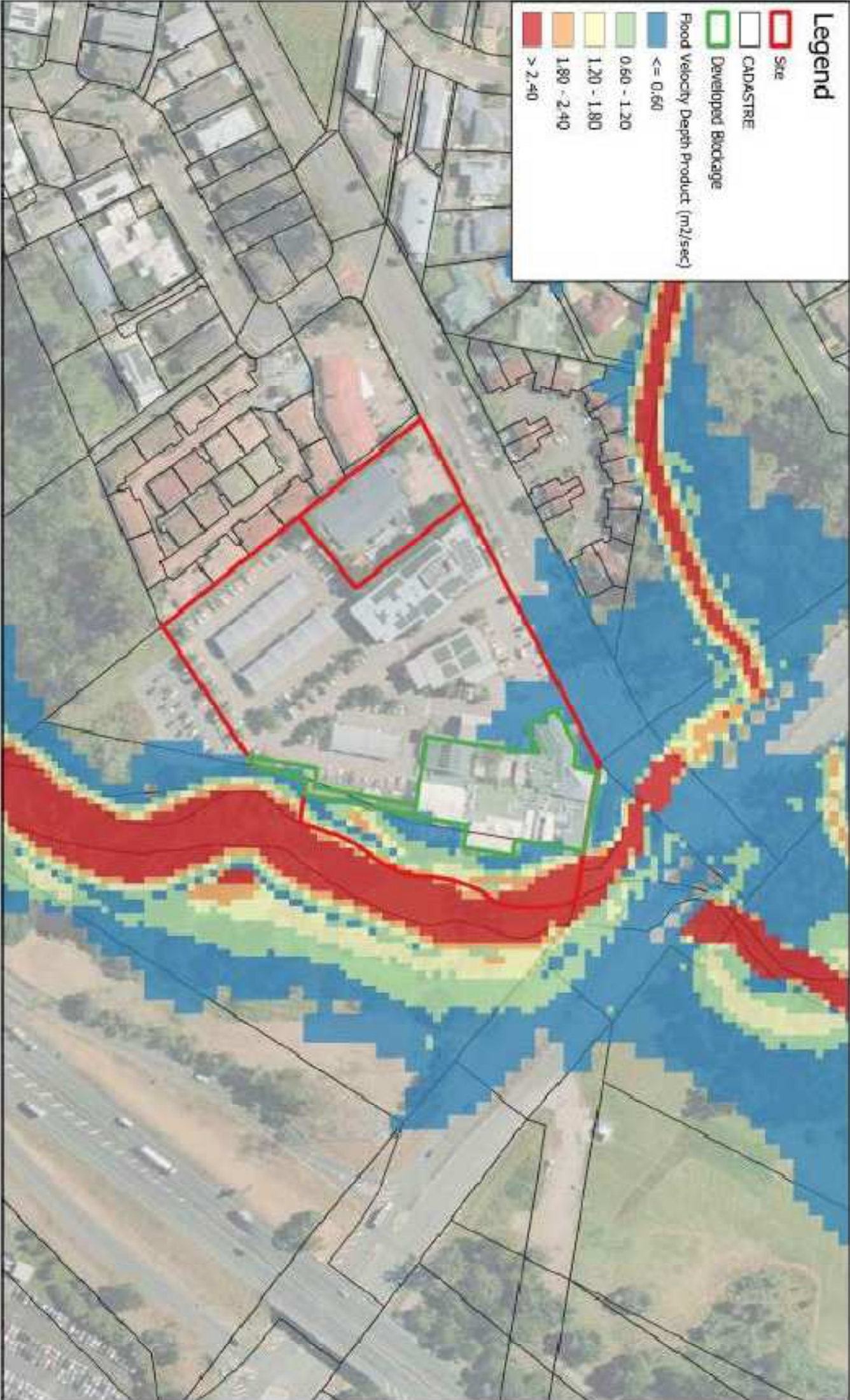
Drawn: ME

Check: ME

Approved: TR

Scale: 1:2000

Rev: 1



**Legend**

- Site
- CADASTRE
- Developed Blockage
- Flood Velocity Depth Product (m<sup>2</sup>/sec)
  - <= 0.60
  - 0.60 - 1.20
  - 1.20 - 1.80
  - 1.80 - 2.40
  - > 2.40

**TITLE**  
 Figure B-06  
 Developed 1% AEP with Climate Change Flood Velocity Depth Product  
**PROJECT**  
 THE GLEN HOTEL

Date 07/05/2026	Drawn ME	Check ME	Approved TR	Scale 1: 2000	Rev 1
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0                      100                      200 m



**Legend**

- Site
- CADASTRE
- Afflux (m)**
- $\leq -0.3$
- $-0.3 - -0.2$
- $-0.2 - -0.1$
- $-0.1 - -0.05$
- $-0.05 - -0.01$
- $-0.01 - -0.01$
- $0.01 - 0.05$
- $0.05 - 0.1$
- $0.1 - 0.2$
- $0.2 - 0.3$
- $> 0.3$
- Was Wet Now Dry
- Was Dry Now Wet
















**TITLE**  
 Figure C-01  
 10% AEP with Climate Change Flood Level Impact Plot

**PROJECT**  
 THE GLEN HOTEL

Date 07/05/2026	Drawn ME	Check ME	Approved TR	Scale 1:2000	Rev 1
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0 100 200 m

# Legend

-  Site
-  CADASTRE
- Afflux (m)**
  -  <= -0.3
  -  -0.3 - -0.2
  -  -0.2 - -0.1
  -  -0.1 - -0.05
  -  -0.05 - -0.01
  -  -0.01 - -0.01
  -  0.01 - 0.05
  -  0.05 - 0.1
  -  0.1 - 0.2
  -  0.2 - 0.3
  -  > 0.3
  -  Was Wet Now Dry
  -  Was Dry Now Wet




## TITLE

Figure C-02  
1% AEP with Climate Change Flood Level Impact Plot  
PROJECT THE GLEN HOTEL

Date	07/05/2026	Drawn	ME	Check	ME	Approved	TR	Scale	1:10000	Rev	1
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0 100 200 m



## **A2. BCC FLOODWISE REPORT**

# FloodWise Property Report

24 GASKELL ST, EIGHT MILE PLAINS 4113  
Lot 2 on SP110621

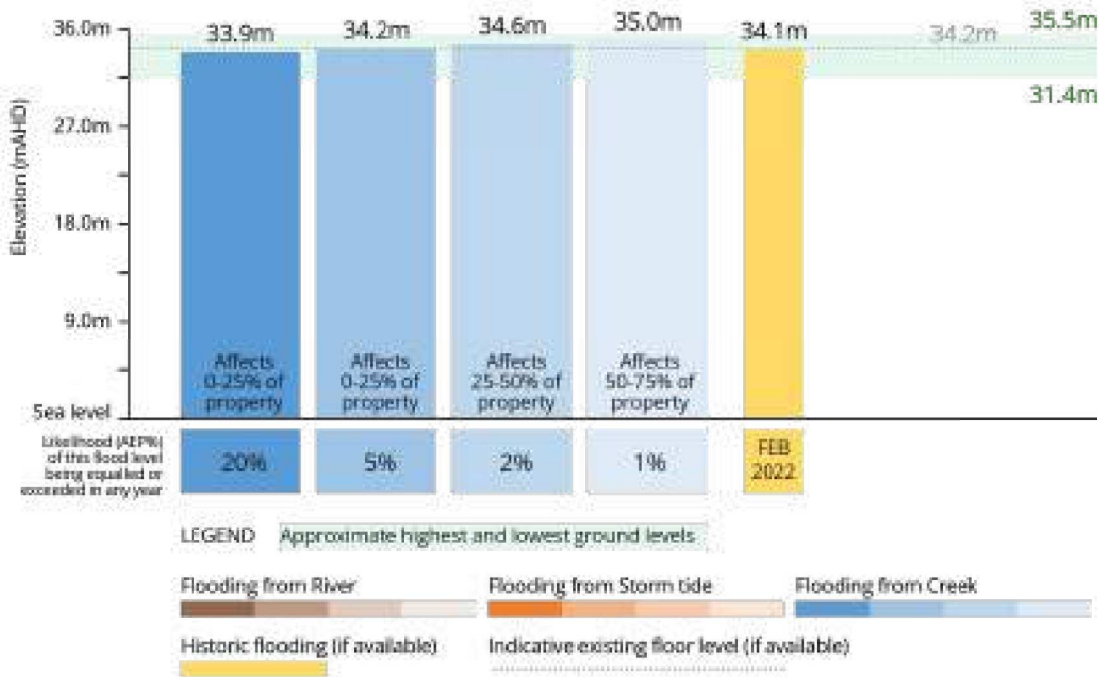


Dedicated to a better Brisbane

## THE PURPOSE OF THIS REPORT IS FOR BUILDING AND DEVELOPMENT

Brisbane City Council's FloodWise Property Report provides technical flood planning information including estimated flood levels, habitable floor level requirements and more. This report uses the adopted flood planning information in Brisbane City Plan 2014, that guides how land in Brisbane is used and developed for the future. Find out more about [planning and building](#). To understand how to be resilient and prepare for floods, visit Council's [Be Prepared](#) webpage. Find more information about [how to read a FloodWise Property Report](#).

Graph showing only the highest source/type of flooding for 1%, 2%, 5% and 20% likelihoods. Also shows historic flood levels. Other flood types and levels may be present and will be listed in the Flood Planning Information table below. This graph does not include overland flow flooding. If applicable, overland flow information is shown in the Planning and Development Information section below.  
**NOTE:** See Useful Definitions section to explain terminology.



**Combined** 1% AEP for river, creek and storm tide flood extent (if applicable) from the adopted Brisbane City Plan 2014. Read more about [Brisbane City Plan 2014](#).



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## Are you resilient and ready for flood?

- Sign up to the Brisbane Severe Weather Alert at [brisbane.qld.gov.au/beprepared](https://brisbane.qld.gov.au/beprepared)
- Visit [bom.gov.au](https://bom.gov.au) for the latest weather updates.
- Have an evacuation plan, emergency kit and important phone numbers ready.
- Observe where water flows from and to during heavy rain.
- Consider how flood-resilient building techniques will have you home faster and with less damage.

Life threatening emergencies  
**000** Police/fire/ambulance  
(mobiles **000** and **112**)

State Emergency Service (SES) **132 500**  
Energex **13 19 62**  
Brisbane City Council **3403 8888**

### Technical Summary

This section of the FloodWise Property Report contains more detailed flood information for this property so **surveyors, builders, certifiers, architects, and engineers can plan and build** in accordance with Council's planning scheme.

Find more information about [planning and building](#) in Brisbane or talk to a Development Services Planning Information Officer via Council's Contact Centre on (07) 3403 8888.

### Property Information Summary

The following table provides a summary of flood information for this property. More detailed flood level information is provided in the following sections of this report.

Property Summary	Level (mAHD) / Comment	Data Quality Code
Minimum ground level	31.4	C
Maximum ground level	35.5	C
Indicative existing floor level	34.2	C
Source of highest flooding	Creek/Waterway	

## Flood Planning Information

The table below displays the peak estimated flood levels by probability for this property. Estimated flood level data should be used in conjunction with applicable planning scheme requirements - Refer to Flood Planning and Development Information section below for further information.

**Note this table does not include overland flow.** If overland flow is applicable to this property, refer to the Flood Planning and Development section below for further information.

Likelihood / Description	Level (mAHD)	Source
20%	33.9	Creek/Waterway (Bulimba Creek)
5%	34.2	Creek/Waterway (Bulimba Creek)
2%	34.6	Creek/Waterway (Bulimba Creek)
1%	35.0	Creek/Waterway (Bulimba Creek)
0.2%	35.0	Creek/Waterway (Bulimba Creek)
February 2022	34.1	River (Brisbane River and Creeks/Waterways)
Minimum Habitable Floor Level (dwelling house)	N/A*	

\* Council may not have this data available. Customers are recommended to engage a Registered Professional Engineer of QLD (RPEQ) for further advice. For information on seeking Planning Advice, please visit [www.brisbane.qld.gov.au/planning-and-building](http://www.brisbane.qld.gov.au/planning-and-building).

## Flood Planning and Development Information

This section of the FloodWise Property Report contains information about Council's planning scheme overlays. Overlays identify areas within the planning scheme that reflect distinct themes that may include constrained land and/or areas sensitive to the effects of development.

### Flood overlay code

The Flood overlay code of Council's planning scheme uses the following information to provide guidelines when developing properties. The table below summarises the flood planning areas (FPAs) that apply to this property. Development guidelines for the FPAs are explained in [Council's planning scheme](#).

Flood planning areas (FPA)		
River	Creek / waterway	Overland flow
	FPA1	Not Applicable
	FPA2	
	FPA3	
	FPA4	
	FPA5	

To find more information about Council's flood planning areas (FPAs) for Brisbane River and Creek/waterway flooding to guide future building and development in flood prone areas, please review [Council's Flood Planning Provisions](#).

### Coastal hazard overlay code

The Coastal hazard overlay code of Council's planning scheme uses the following information to provide guidelines when conducting new developments. The table below summarises the coastal hazard categories that apply to this property. Development guidelines for the following Coastal hazard overlay sub-categories are explained in Council's [planning scheme](#).

Coastal hazard overlay sub-categories
There are currently no Coastal hazard overlay sub-categories that apply to this property.

Note: Where land is identified within one or more flood planning areas on the Flood overlay or is identified within one of the Storm tide inundation area sub-categories on the Coastal hazard overlay, the assessment criteria that provides the highest level of protection from any source of flooding applies.

### Property development flags

**Waterway corridor** - This property may also be located within a mapped waterway corridor as identified in the Waterway corridors overlay map of Council's planning scheme. Please consider this in conjunction with Council's planning scheme requirements.

**Large allotment** - This property is either a Large Allotment of over 1000 square metres or is located within a Large Allotment. Flood levels may vary significantly across allotments of this size. Further investigations may be warranted in determining the variation in flood levels and the minimum habitable floor level across the site.

For more information or advice, please consult a Registered Professional Engineer of Queensland (RPEQ).

## Useful Flood Information Definitions

**Australian Height Datum (AHD)** - The reference level for defining ground levels in Australia. The level of 0.0m AHD is approximately mean sea level.

**Annual Exceedance Probability (AEP)** - The probability of a flood event of a given size occurring in any one year, usually expressed as a percentage annual chance.

- **0.2% AEP** - A flood event of this size is considered rare but may still occur. A flood of size or larger has a 1 in 500 chance or a 0.2% probability of occurring in any year.
- **1% AEP** - A flood of this size or larger has a 1 in 100 chance or a 1% probability of occurring in any year.
- **2% AEP** - A flood of this size or larger has a 1 in 50 chance or a 2% probability of occurring in any year.
- **5% AEP** - A flood of this size or larger has a 1 in 20 chance or a 5% probability of occurring in any year.
- **20% AEP** - A flood of this size or larger has a 1 in 5 chance or a 20% probability of occurring in any year.

### Data quality

- **Data Quality Code A** - Level data based on recent surveyor report or approved as-constructed drawings.
- **Data Quality Code B** - Level data based on ground-based mobile survey or similar.
- **Data Quality Code C** - Level data derived from Airborne Laser Scanning or LiDAR information.

**Defined Flood Level (DFL)** - The DFL is used for commercial and industrial development. The Defined flood level (DFL) for Brisbane River flooding is a level of 3.7m AHD at the Brisbane City Gauge based on a flow of 6,800 m/s. DFL is only applicable for non-residential uses affected by Brisbane River flooding.

**Flood planning area (FPA)** - Council has developed five Flood planning areas (FPAs) as part of Brisbane City Plan 2014 Flood overlay mapping for Brisbane River, Creek/waterway flooding and Overland flow to guide future building and development in flood prone areas. Storm tide flooding is mapped separately. The FPAs are designed to recognise the flood hazard for different flooding types. Flood hazard is a combination of frequency of flooding, the flood depth, and the speed at which the water is travelling. [Find more information here.](#)

**Maximum and minimum ground level** - Highest and lowest ground levels on the property based on available ground level information. A Registered Surveyor can confirm exact ground levels.

**Minimum habitable floor level (dwelling house)** - The minimum level in metres AHD at which habitable areas of development (generally including bedrooms, living rooms, kitchen, study, family, and rumpus rooms) must be constructed as required by the Brisbane City Plan 2014.

**Indicative existing floor level** - The approximate level in metres AHD of the lowest habitable floor in the existing building (excluding apartments). The data is sourced from a range of sources with varying accuracy levels.

**Property** - A property will contain 1 or more lots. The multiple lot warning is shown if you have selected a property that contains multiple lots.

**Residential flood level (RFL)** - This flood level for the Brisbane River equates to the 1% annual exceedance probability (AEP) flood level.

To learn more, visit [Brisbane City Council's Flood Information Hub](#)

## Brisbane City Council's Online Flood Tools

Council provides several online flood tools:

- to guide planning and development
- to help residents and businesses understand their flood risk and prepare for flooding.

Council's online flood tools for planning and development purposes include:

- **FloodWise Property Report**
- **Flood Overlay Code**

For more information on Council's planning scheme and online flood tools for planning and development:

- phone (07) 3403 8888 and ask to talk to a Development Services Planning Information Officer

- visit [brisbane.qld.gov.au/planning-building](https://brisbane.qld.gov.au/planning-building)

Council's Planning Scheme - The Brisbane City Plan 2014 (planning scheme) has been prepared in accordance with the Sustainable Planning Act as a framework for managing development in a way that advances the purpose of the Act. In seeking to achieve this purpose, the planning scheme sets out the Council's intention for future development in the planning scheme area, over the next 20 years.

### Disclaimer

1. Defined flood levels and residential flood levels, minimum habitable floor levels and indicative existing floor levels are determined from the best available information to Council at the date of issue. These levels, for a particular property, may change if more detailed information becomes available or changes are made in the method of calculating levels.
2. Council makes no warranty or representation regarding the accuracy or completeness of a FloodWise Property Report. Council disdaims any responsibility or liability in relation to the use or reliance by any person on a FloodWise Property Report.



### Planning to build or renovate?

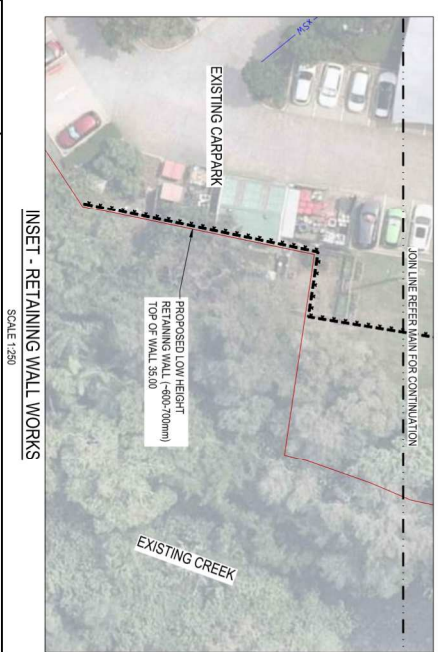
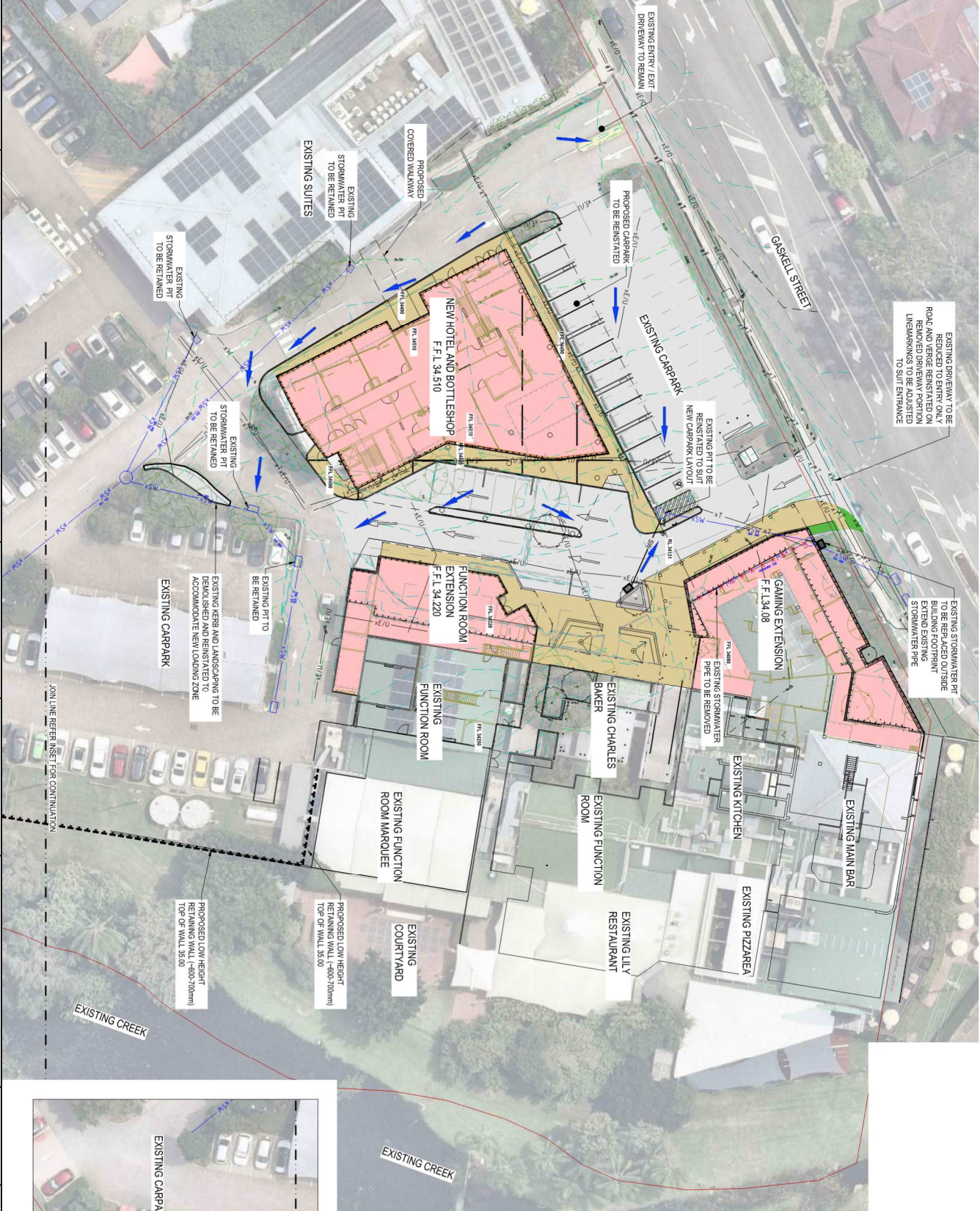
For information, guidelines, tools and resources to help you track, plan or apply for your development visit [brisbane.qld.gov.au/planning-building](https://brisbane.qld.gov.au/planning-building)

You can also find the Brisbane City Plan 2014 and Neighbourhood Plans as well as other information and training videos to help, with your building and development plans.

# A3. CIVIL DESIGN







EXISTING DRIVEWAY TO BE REINSTATED TO BE REPLACED OUTSIDE BUILDING FOOTPRINT EXISTING STORMWATER PIPE TO BE REMOVED DRIVEWAY PORTION LINEWORKS TO BE ADJUSTED TO SUIT ENTRANCE

EXISTING STORMWATER PIT TO BE REPLACED OUTSIDE BUILDING FOOTPRINT EXISTING STORMWATER PIPE TO BE REMOVED

EXISTING STORMWATER PIPE TO BE REMOVED

**NOTE**  
THIS DRAWING TO BE READ IN CONJUNCTION WITH PROJECT NOTES ON C100, C101 AND DOCUMENTS AND STANDARD DRAWINGS AS SHOWN ON C100 2 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANT'S DRAWINGS

- EXISTING LEGEND**
- 52.5 — EXISTING CONTOURS (MAJOR 10.0m INTERVALS)
  - 53.0 — EXISTING CONTOURS (MINOR 1.0m INTERVALS)
  - — — — — EASEMENT BOUNDARY
  - — — — — PROPERTY BOUNDARY
  - — — — — EXISTING STORMWATER
  - — — — — EXISTING WATER
  - — — — — EXISTING TELECOMMS
  - — — — — EXISTING OVERHEAD POWER
  - — — — — EXISTING UNDERGROUND POWER
  - — — — — SERVICE TO BE REMOVED
  - — — — — EXISTING TREE

- LEGEND**
- — — — — CONCRETE TRESPASSIBLE PAVEMENT - REFER TO DRG TAG FOR DETAILS
  - — — — — PEDESTRIAN CONCRETE FOOTPATH - REFER TO DRG TAG FOR DETAILS
  - — — — — PROPOSED BUILDING 1 - REFER TO ARCHITECT'S DRAWINGS FOR DETAILS
  - — — — — LANDSCAPE AREA - REINSTATE TO MATCH EXISTING
  - — — — — PROPOSED EXISTING FLOW PATHS
  - — — — — PROPOSED EXISTING FLOW PATHS

- STORMWATER LEGEND**
- — — — — STORMWATER PIT
  - — — — — PROPOSED STORMWATER

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REV	DATE	DESCRIPTION	ISSUED BY	APPROVED BY
P1	12/02/2026	PRELIMINARY ISSUE	PS	TR
P2	28/05/2026	PRELIMINARY ISSUE	PS	TR

CLIENT: **THE GLEN HOTEL**

ARCHITECT: **BLUPRINT ARCHITECTS**

SCALE: **1:250 @ A1**  
SCALE 1:250 0 2 4 6 8 10m



PROJECT: **THE GLEN HOTEL REDEVELOPMENT**  
LOCATION: **24 GASKELL STREET, EIGHT MILE PLAINS**

DRAWING TITLE: **SITE WORKS PLAN**

PRINTING REQUIREMENTS	PROJECT NUMBER	DRAWING NUMBER	REVISION
PRINT THIS DRAWING IN COLOUR	2026.0137	CSK110	P2

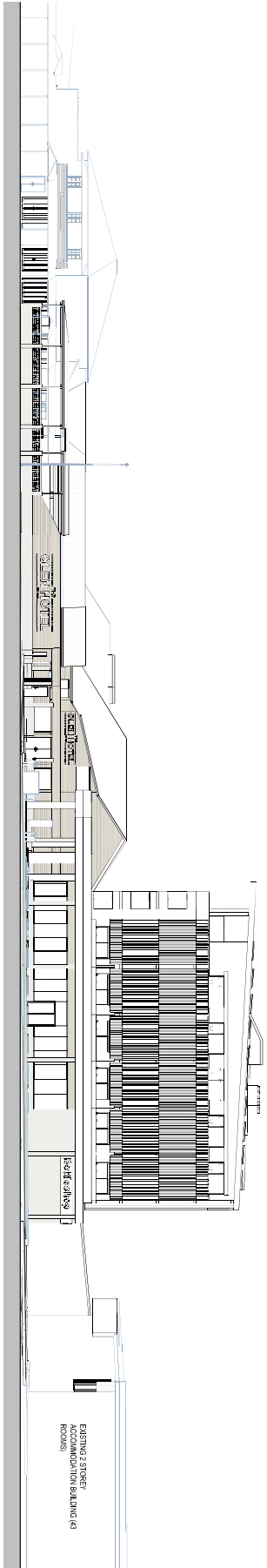
# A4. ARCHITECTURAL DRAWINGS



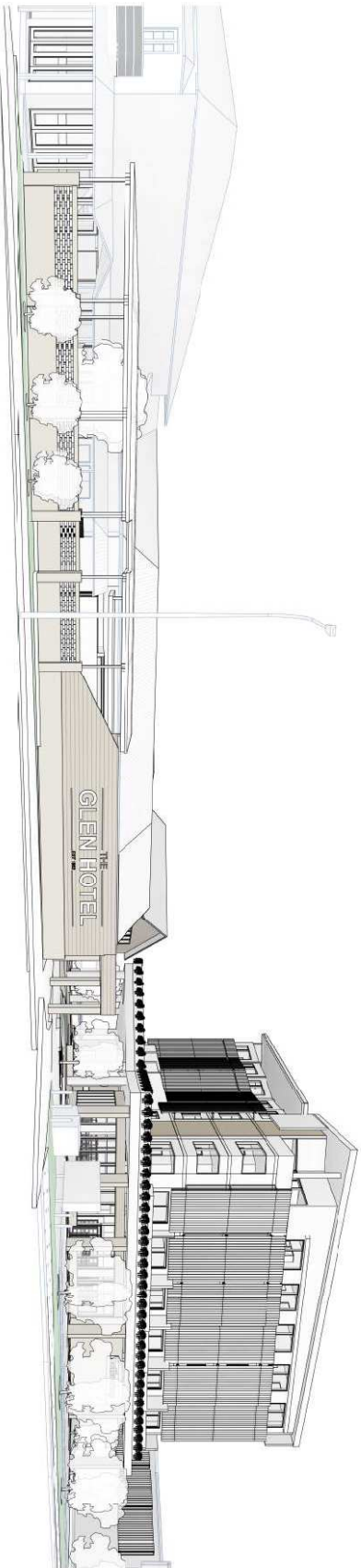








1 SITE ELEVATION- GASKELL FRONTAGE



2 3D PERSPECTIVE- GASKELL STREET

NO.	DATE	REVISION	BY
1	13/05/20	DEVELOPMENT APPLICATION	MS
2	13/05/20	REVISION	MS
3	16/05/20	PKLTT DA	MS
4	16/05/20	PKLTT DA	MS

**Blueprint Architects**

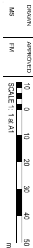


LEVEL 4, TIERBERG/ST CREEK RD  
 PHONE: 071 527 4411  
 EMAIL: info@rohrig.com.au

ALTERNATIVE TO THE CONCEPT PLAN, INCLUDING THE PROPOSED SIGNAGE AND EXTERNAL WORKS.  
 CONSULTING ARCHITECTS AND DEVELOPMENT CONSULTANTS  
 24 GASKELL STREET, EIGHT MILE PLAINS, QLD 4113

**THE GLEN HOTEL**  
 SITE AND EXTERNAL WORKS  
 ODD2628

SITE ELEVATIONS



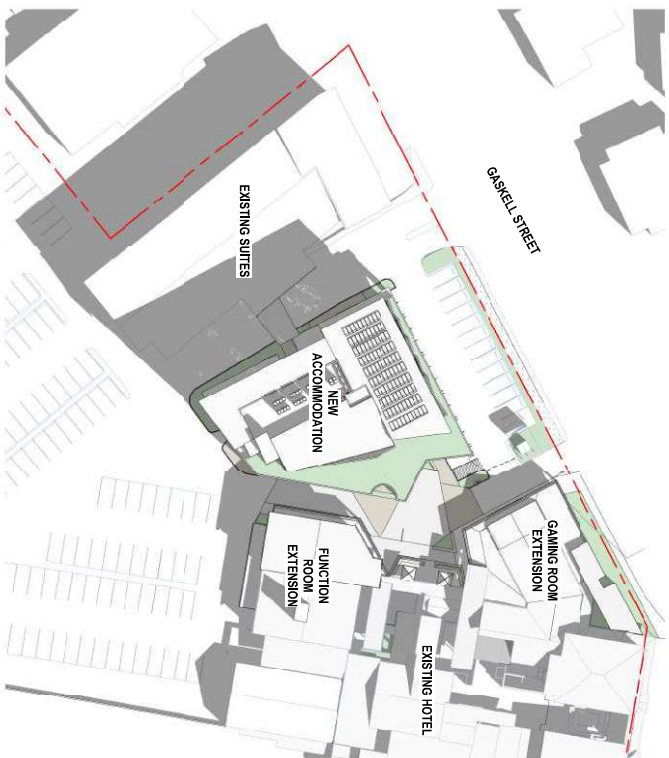
DA0-20-010 DA1



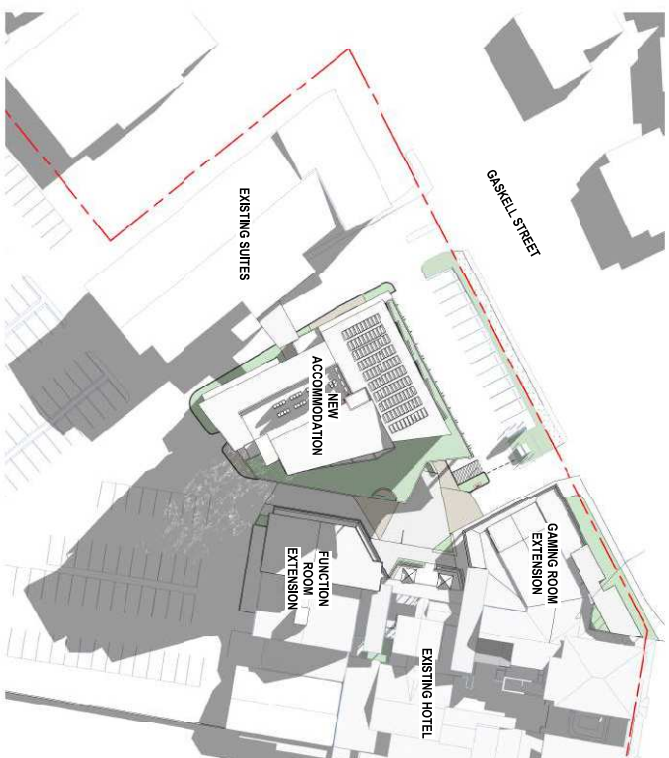




**WINTER SOLSTICE 9AM**



**WINTER SOLSTICE 3PM**



**SUMMER SOLSTICE 9AM**



**SUMMER SOLSTICE 3PM**



NO.	DATE	REVISION	BY
1	13/05/20	DEVELOPMENT APPLICATION	MS
2	17/06/20	ISSUE FOR INFORMATION	MS
3			
4			
5			
6			
7			
8			
9			
10			

**Blueprint**  
Architects



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**THE GLEN HOTEL**  
24 GASKELL ST, EIGHT MILE PLAINS,  
QLD 4113

**THE GLEN HOTEL**  
SITE AND  
EXTERNAL  
WORKS

**SUN STUDY**

DA0-99-001 DA1

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