

Table 1 - Versions of Section 9.1 Ministerial Directions used by the Department of Planning, Housing and Infrastructure in the assessment of gateway determinations for the “Allfarthing” 3 Brisbane Grove Road Planning Proposal (PP-2024-295) and 137 Brisbane Grove Road Planning Proposal (PP-2024-291)

Section 9.1 Direction	Version (date)
Direction 1.1 Implementation of Regional Plans	1 March 2022
Direction 1.3 Approval and Referral Requirements	1 March 2022
Direction 1.4 Site Specific Provisions	1 March 2022
Direction 3.1 Conservation Zones	1 March 2022
Direction 3.2 Heritage Conservation	1 March 2022
Direction 3.3 Sydney Drinking Water Catchments	21 November 2022
Direction 4.1 Flooding	20 February 2023
Direction 4.3 Planning for Bushfire Protection	1 March 2022
Direction 4.4 Remediation of Contaminated Land	1 March 2022
Direction 5.1 Integrating Land Use and Transport	20 February 2023
Direction 6.1 Residential Zones	1 March 2022
Direction 9.1 Rural Zones	1 March 2022
Direction 9.2 Rural Lands	1 March 2022

Image 3: Flood Hazard Curves (Australian Emergency Management Handbook 7)

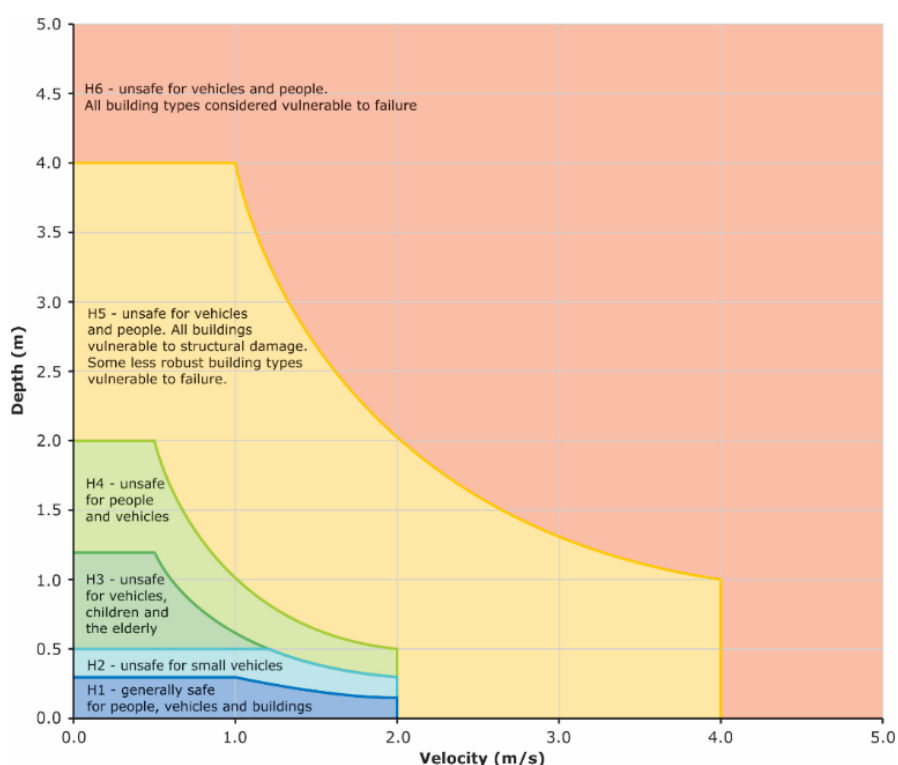


Table 4: Flood Hazard – Vulnerability Thresholds

Hazard Classification	Description
H1	Generally safe for vehicles, people and buildings.
H2	Unsafe for small vehicles.
H3	Unsafe for vehicles, children and the elderly.
H4	Unsafe for vehicles and people.
H5	Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust buildings subject to failure.
H6	Unsafe for vehicles and people. All building types considered vulnerable to failure.

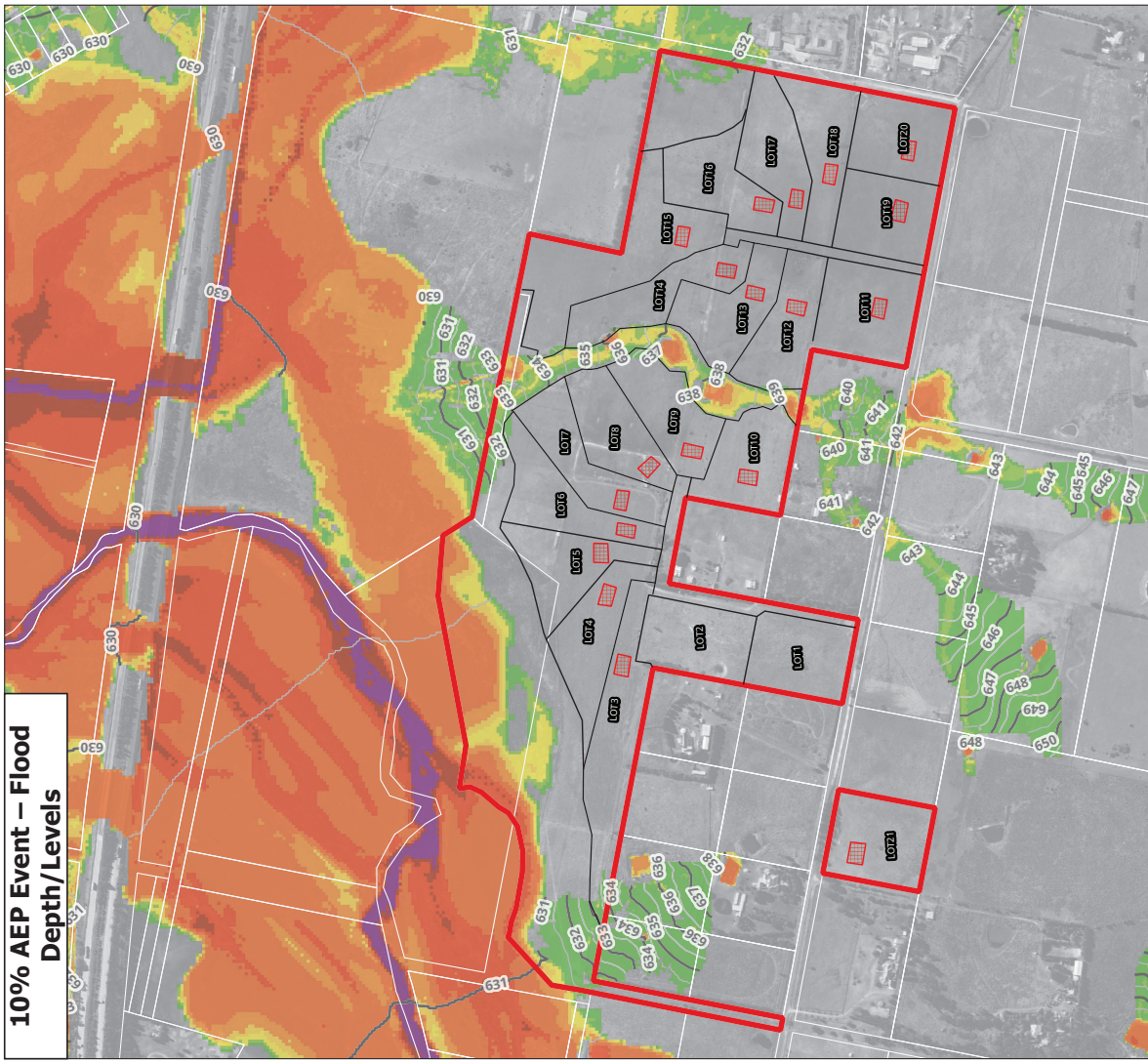
3.2.2 Hydraulic Categories

Hydraulic Categories (also known as Flood Function) refers to the classification of floodwaters into three categories; floodway, flood storage and flood fringe. These categories help to describe the nature of flooding across the floodplain and aid planning when assessing developable areas. According to the Australian Emergency Management Handbook 7, these three categories can be defined as:

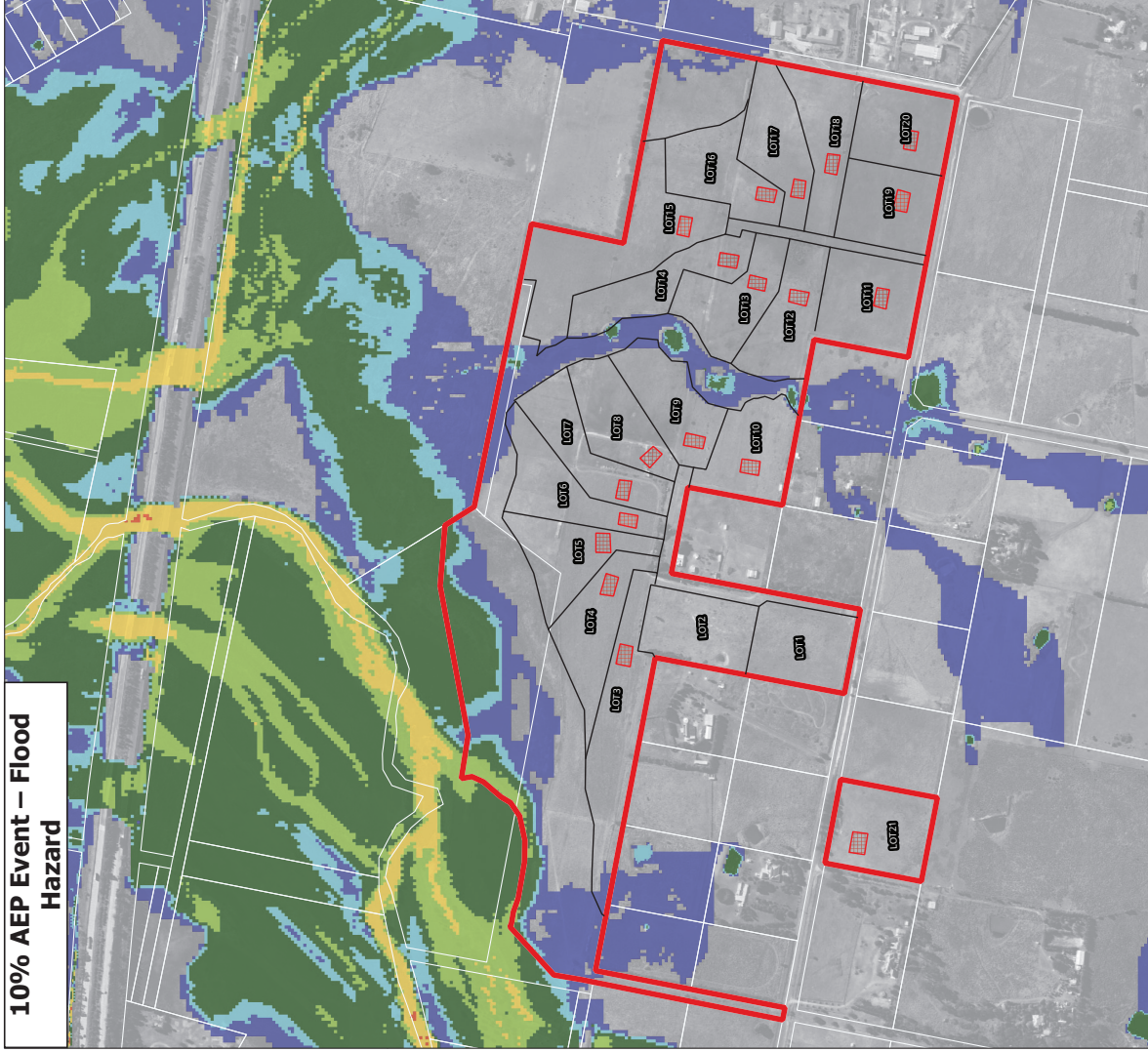
- **Floodway** – the areas where a significant proportion of the floodwaters flow and typically align with defined channels. If these areas are blocked or developed, there will be significant redistribution of flow and increased flood levels across the floodplain. Generally, the flow conveyance are areas of deep and/or fast-moving floodwaters;
- **Flood Storage** – areas where, during a flood, a significant proportion of floodwaters extend into, water is stored and then recedes after a flood. Filling or development in these areas may increase flood levels nearby.

Appendix A

10% AEP Event – Flood Depth/Levels



10% AEP Event – Flood Hazard



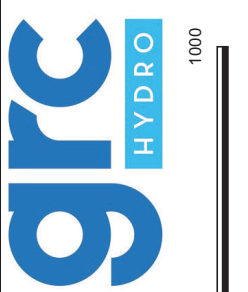
- Subject Site
- Cadastral Boundaries
- Concept Lot Layout
- Concept Building Envelopes

- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.3
- 0.3 - 0.5

- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Minor Flood Level Contours
(Spacing = 0.5 m)
- Major Flood Level Contours
(Spacing = 1 m)

- H1
- H2
- H3
- H4
- H5
- H6



TITLE: – Flood Depth/Levels and Hazard

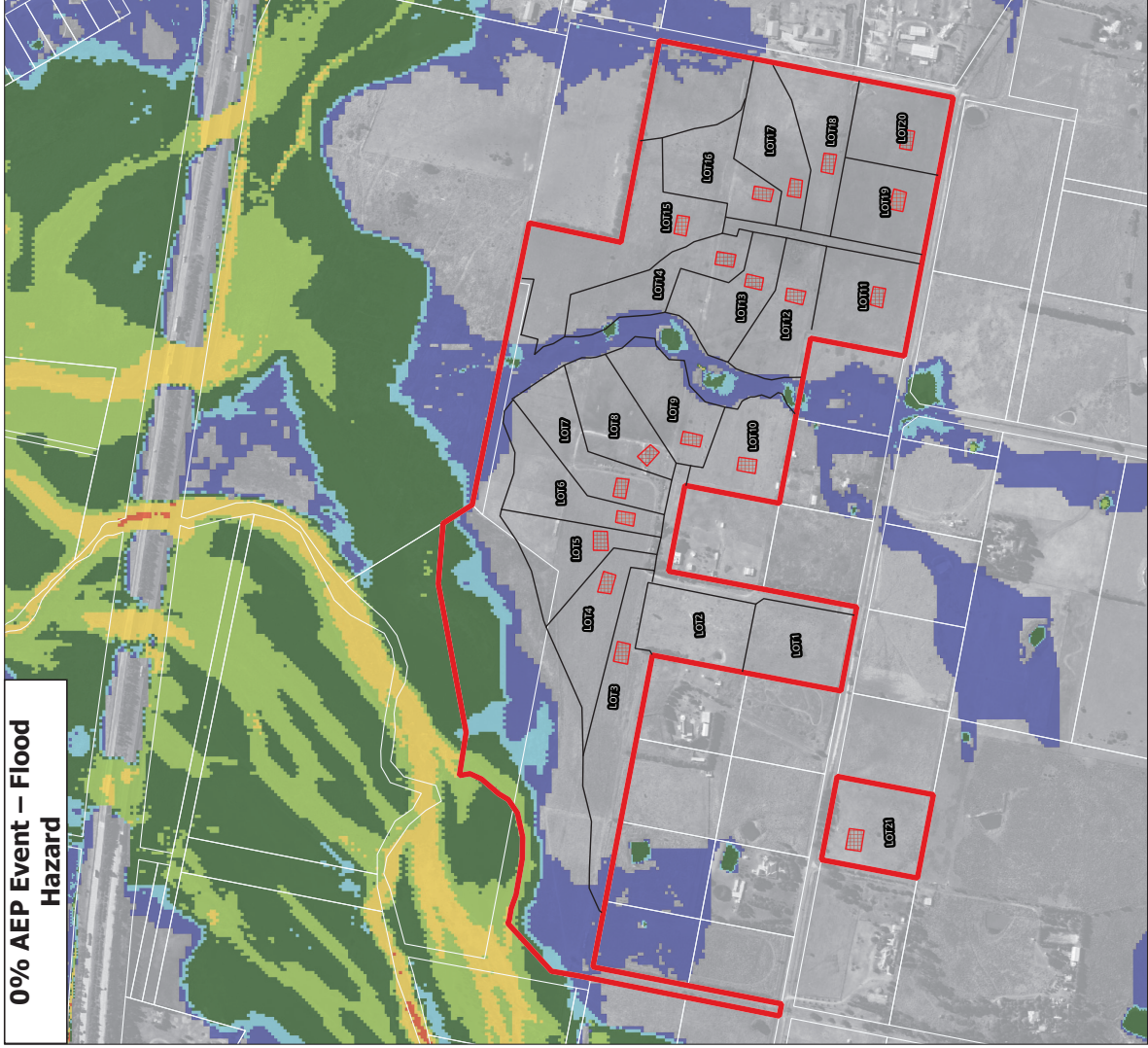
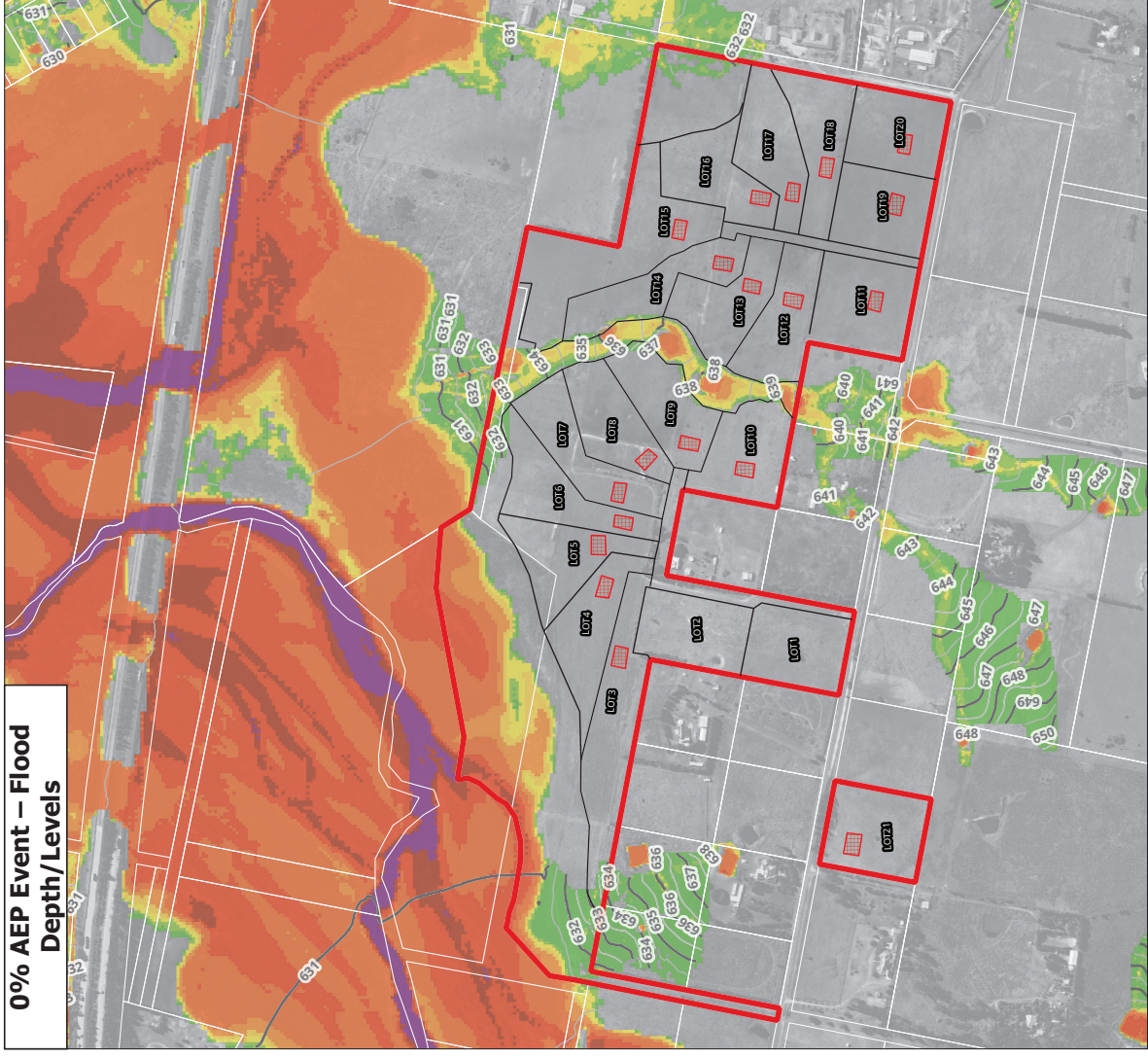
PROJECT: 137 Brisbane Grove Road,
Goulburn

PROJECT No. 230048

DATE: 12-2023

SCALE: 1:8500

FIGURE No. A1



0% AEP Event - Flood Hazard

0% AEP Event - Flood Depth/Levels

grc HYDRO

N
W E
S

0 500 1000

Flood Hazard Category

H1	Blue
H2	Light Blue
H3	Green
H4	Light Green
H5	Yellow
H6	Red

Flood Depths (m)

0 - 0.05	Green
0.05 - 0.1	Light Green
0.1 - 0.2	Yellow
0.2 - 0.3	Orange
0.3 - 0.5	Red-Orange
0.5 - 1.0	Red
1.0 - 1.5	Dark Red
1.5 - 2.0	Brown
> 2.0	Purple

Subject Site

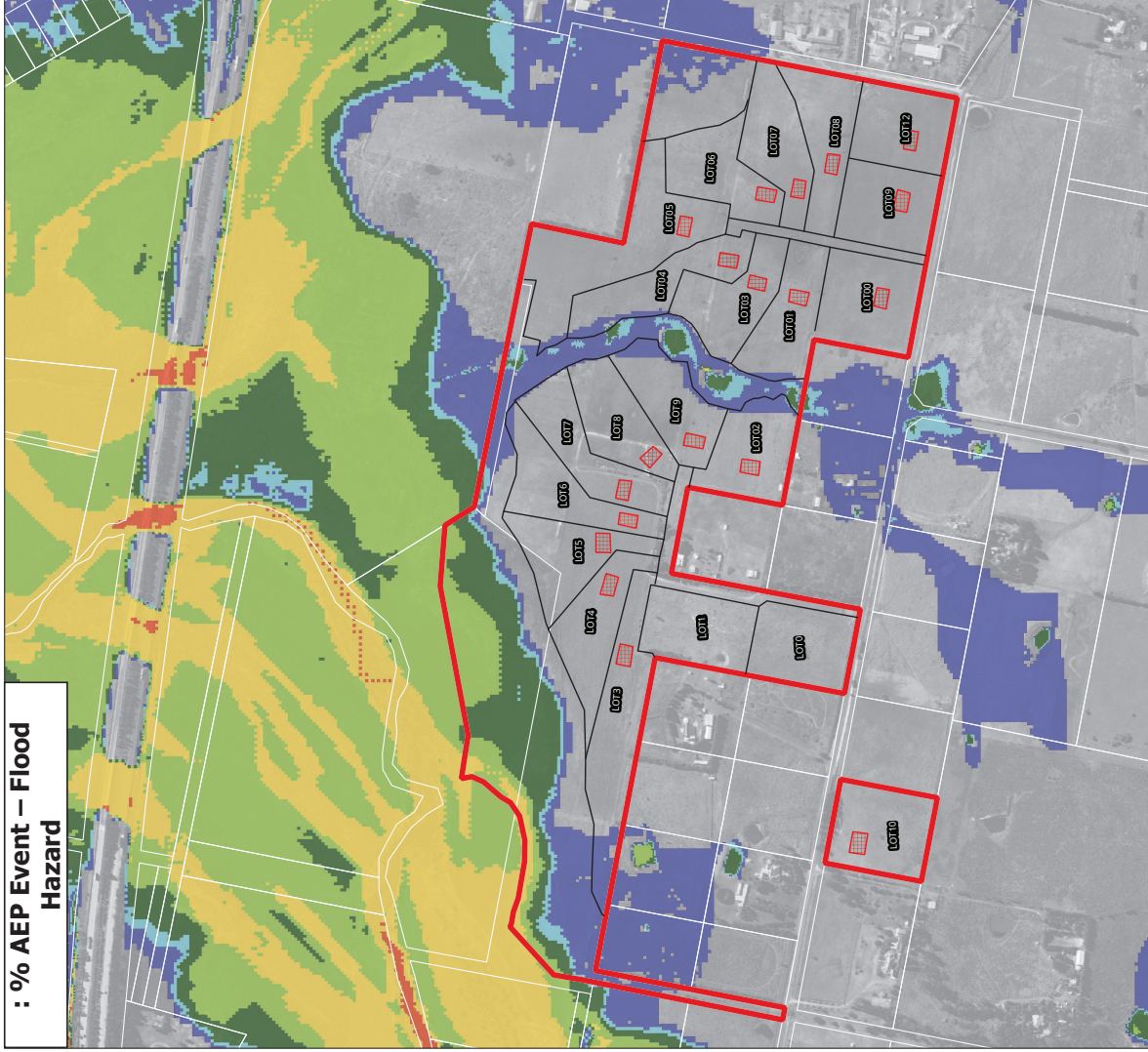
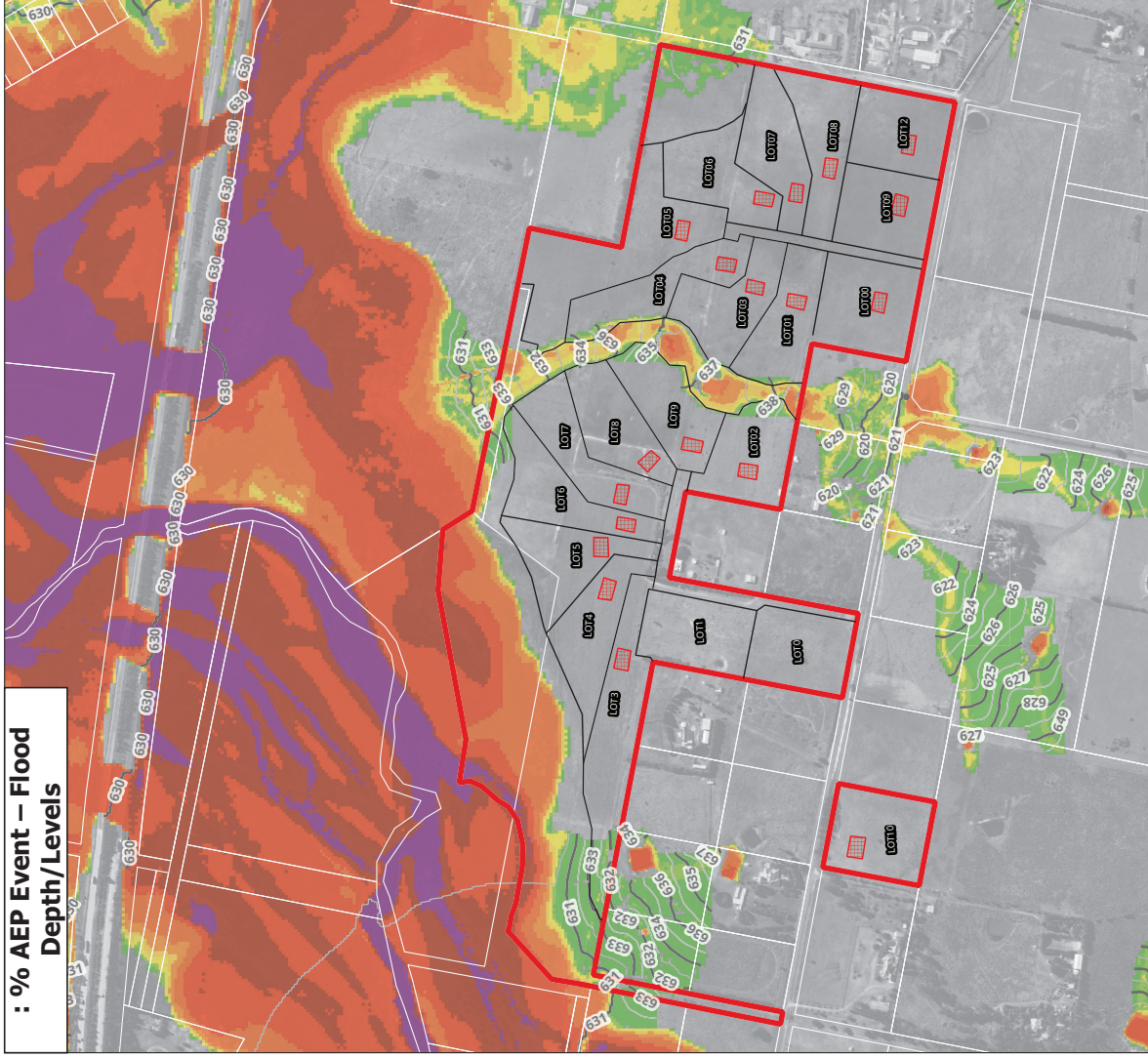
Cadastral Boundaries

Concept Lot Layout

Concept Building Envelopes

Minor Flood Level Contours (Spacing = 0.5 m)

Major Flood Level Contours (Spacing = 1 m)



: % AEP Event – Flood Hazard

: % AEP Event – Flood Depth/Levels

grc HYDRO

N
W E
S

0 500 1000

Flood Hazard Category

- H1
- H2
- H3
- H4
- H5
- H6

Subject Site

Cadastral Boundaries

Concept Lot Layout

Concept Building Envelopes

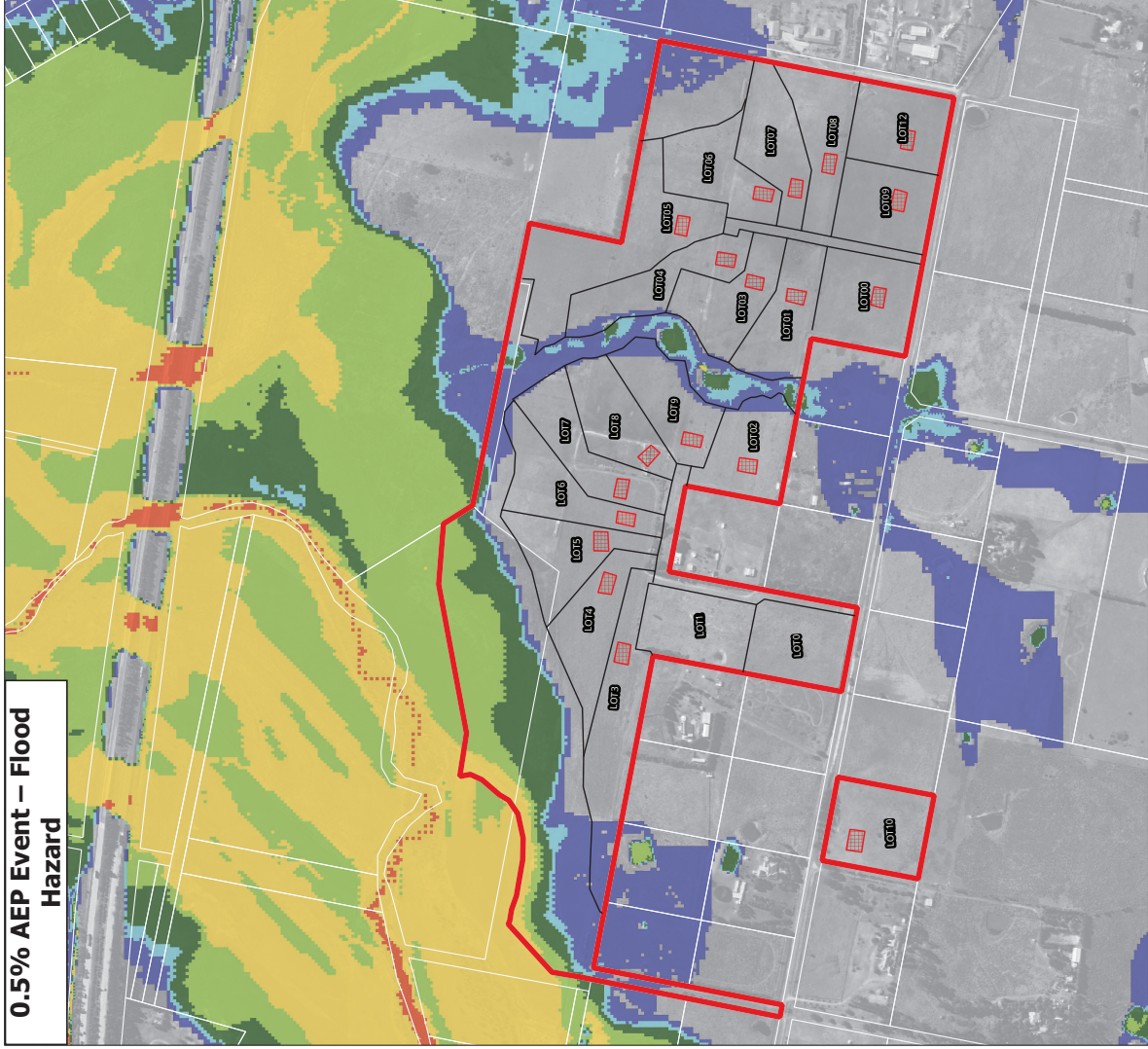
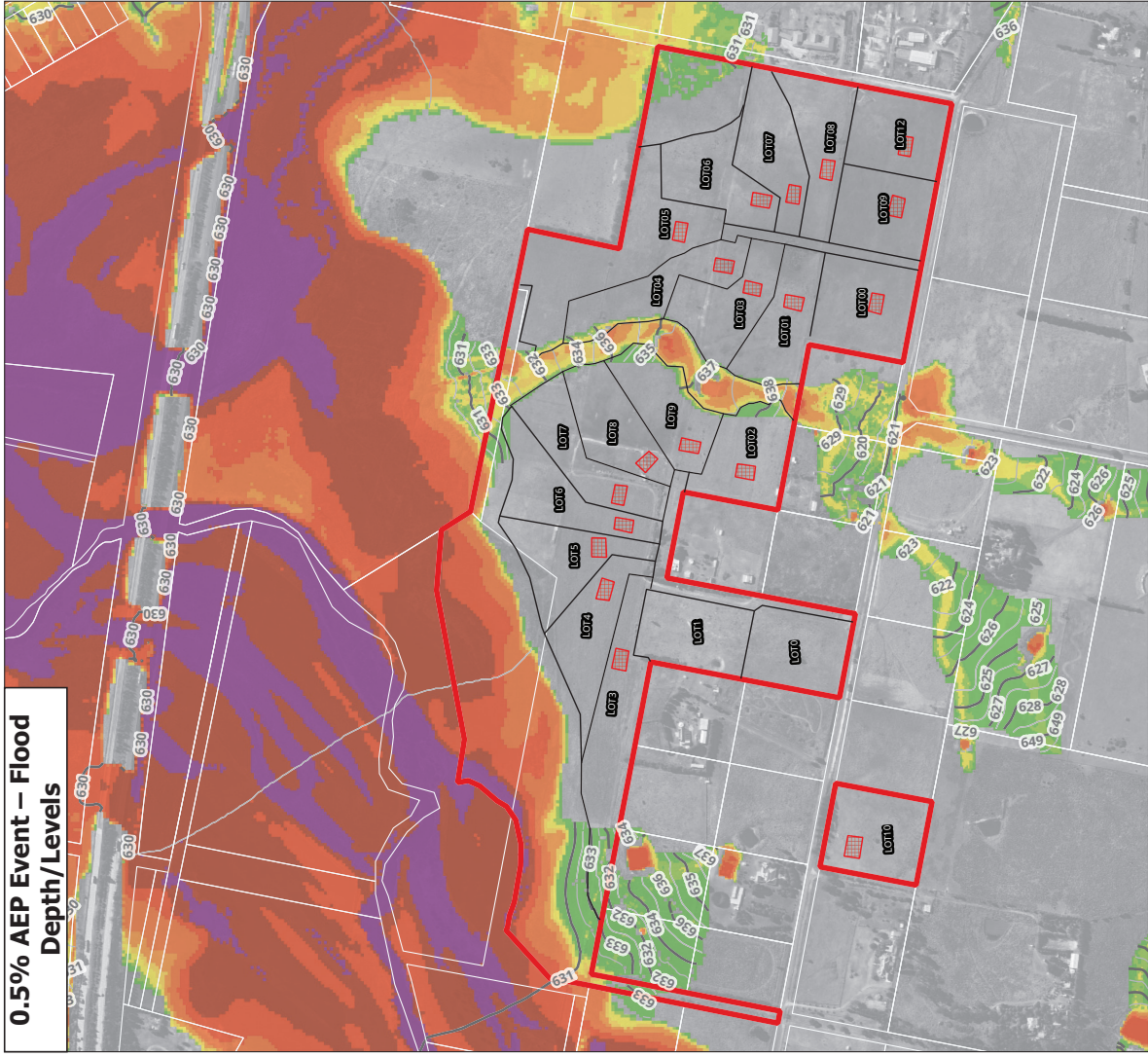
Flood Depths (m)

- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.3
- 0.3 - 0.5

Minor Flood Level Contours (Spacing = 0.5 m)

Major Flood Level Contours (Spacing = 1 m)

- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0



0.5% AEP Event – Flood Hazard

0.5% AEP Event – Flood Depth/Levels

grc HYDRO

N
W E
S

0 500 1000

Flood Hazard Category

- H1
- H2
- H3
- H4
- H5
- H6

Flood Depths (m)

- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.3
- 0.3 - 0.5

Subject Site

Cadastral Boundaries

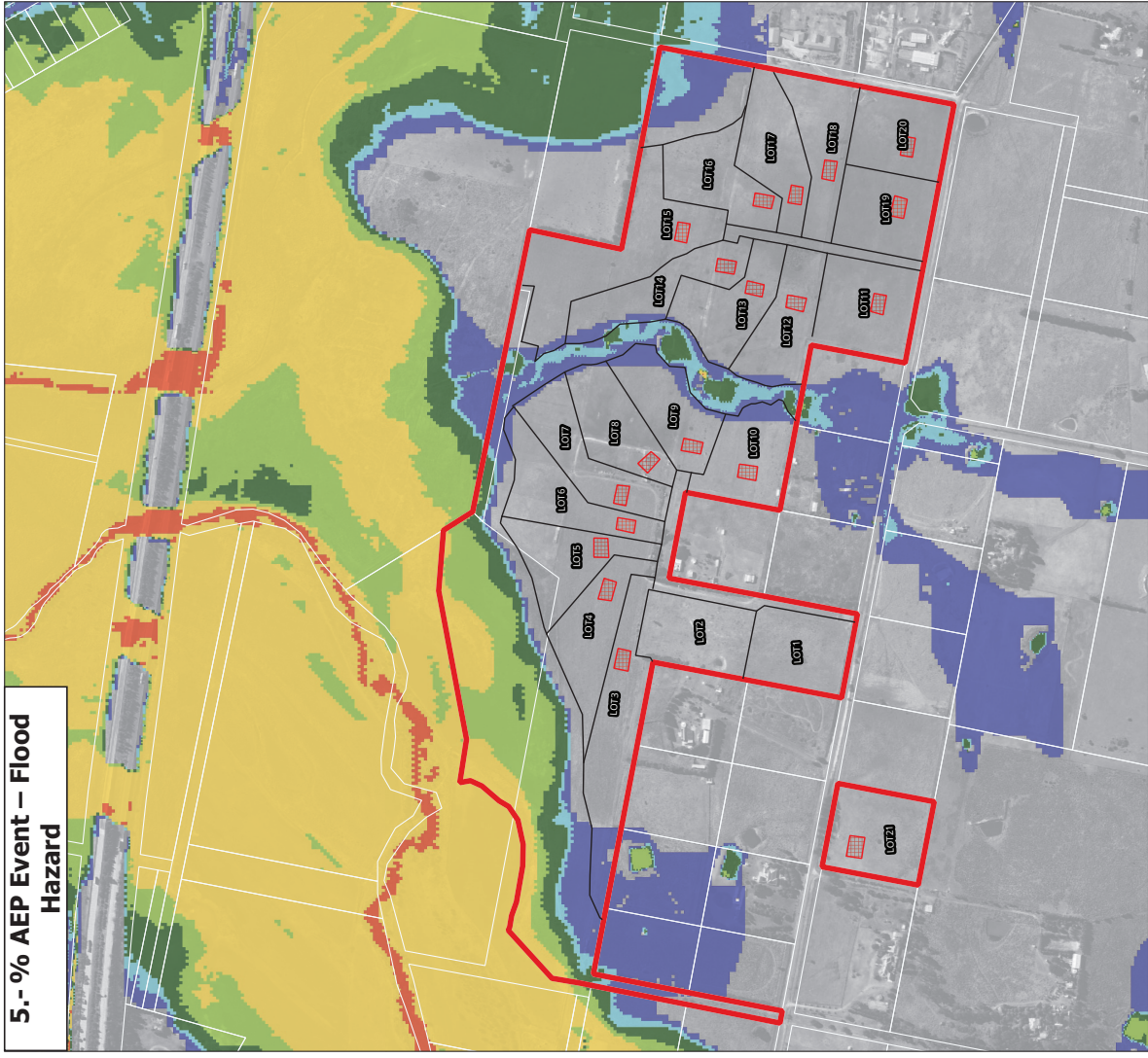
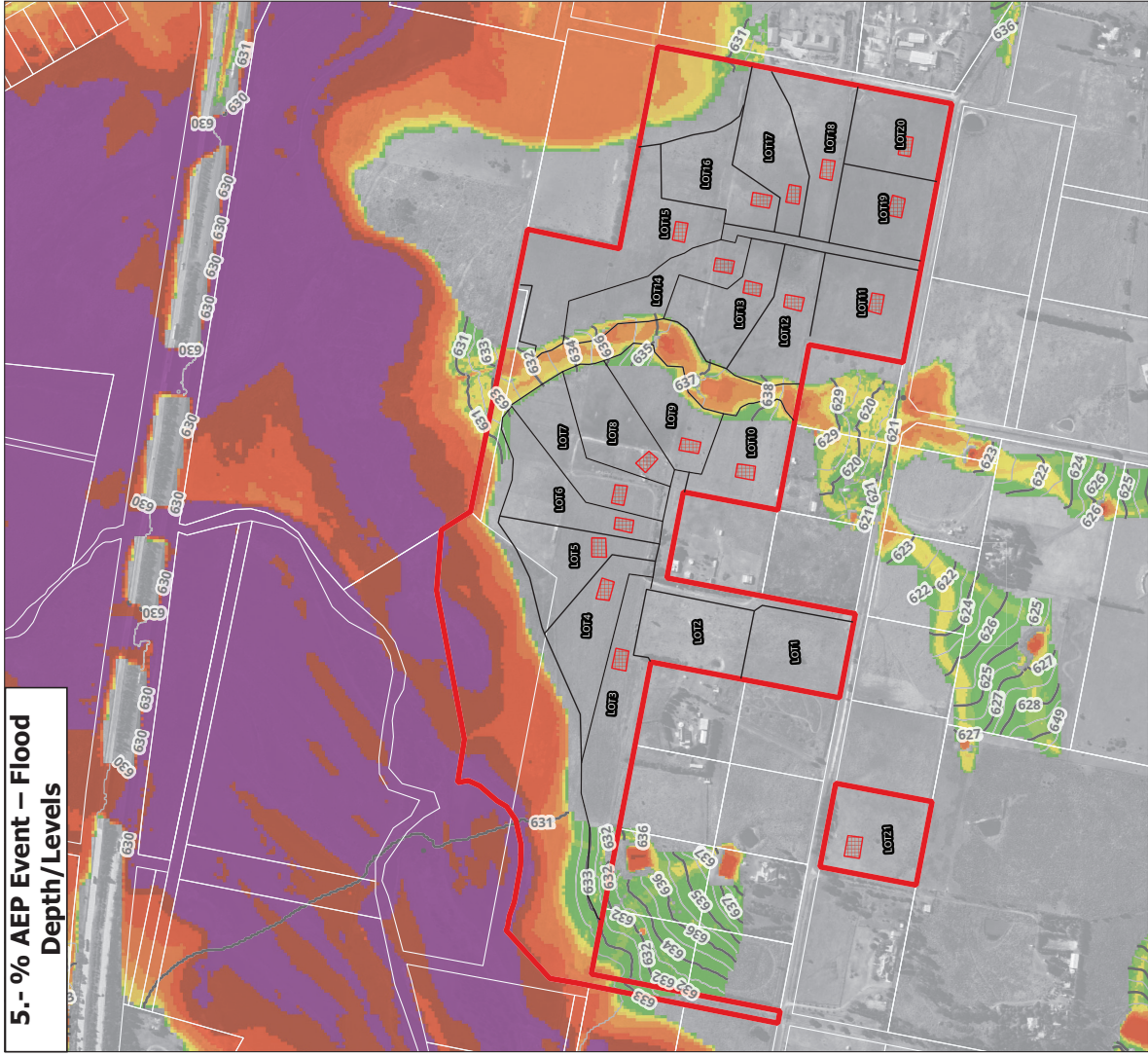
Concept Lot Layout

Concept Building Envelopes

Minor Flood Level Contours
(Spacing = 0.5 m)

Major Flood Level Contours
(Spacing = 1 m)

- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0



5.-% AEP Event – Flood Hazard

5.-% AEP Event – Flood Depth/Levels

grc HYDRO

N
W E
S

0 500 1000

Flood Hazard Category

- H1
- H2
- H3
- H4
- H5
- H6

Flood Depths (m)

- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.3
- 0.3 - 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

Subject Site

Cadastral Boundaries

Concept Lot Layout

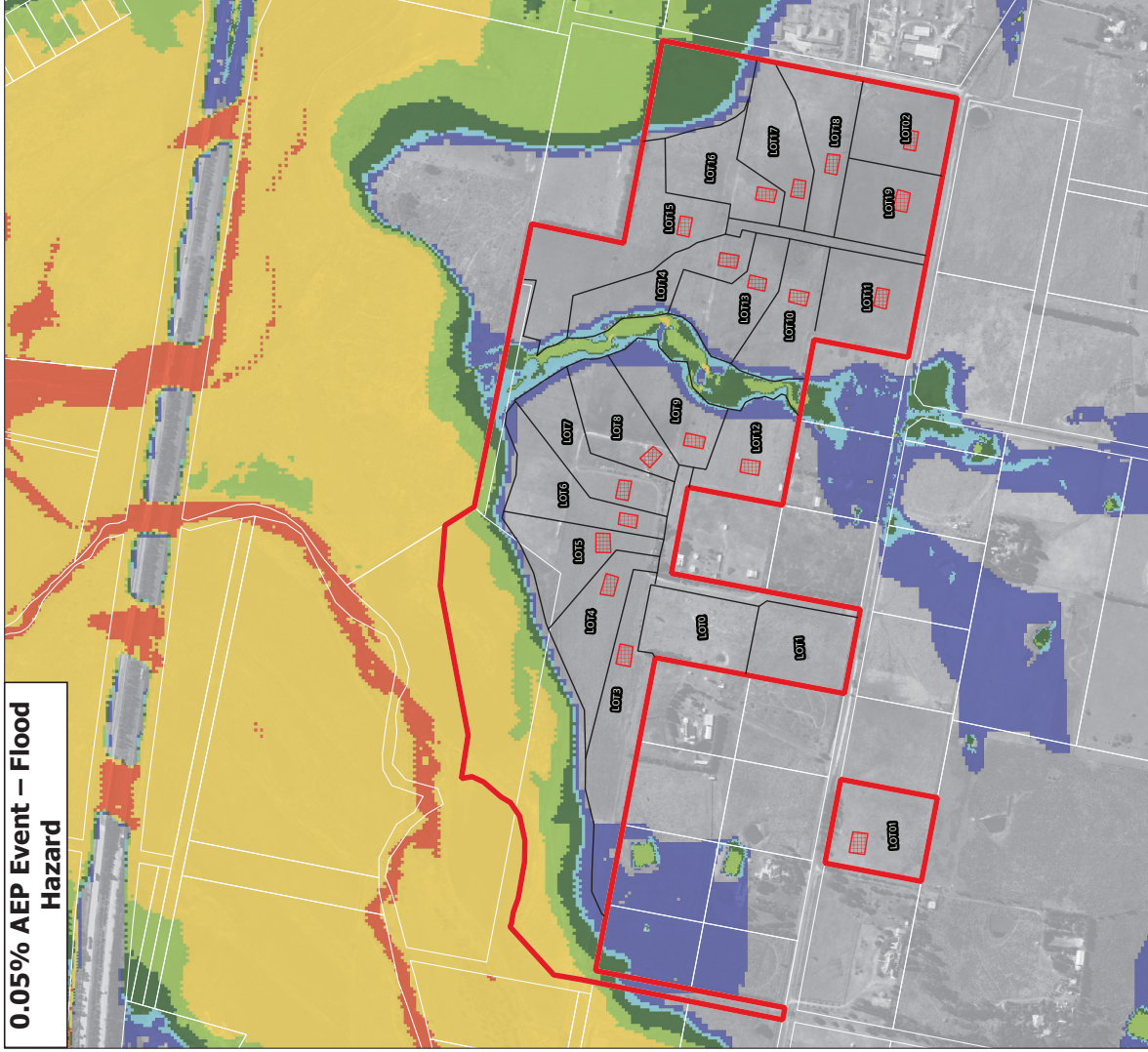
Concept Building Envelopes

Flood Hazard Category

Minor Flood Level Contours
(Spacing = 0.5 m)

Major Flood Level Contours
(Spacing = 1 m)

0.05% AEP Event – Flood Depth/Levels



0.05% AEP Event – Flood Hazard

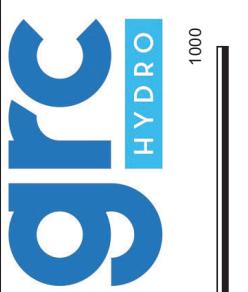
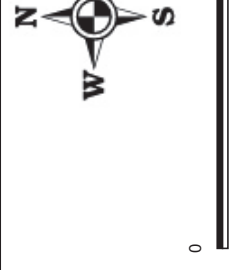
- Subject Site
- Cadastral Boundaries
- Concept Lot Layout
- Concept Building Envelopes

- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.3
- 0.3 - 0.5

- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Minor Flood Level Contours
(Spacing = 0.5 m)
- Major Flood Level Contours
(Spacing = 1 m)

- H1
- H2
- H3
- H4
- H5
- H6



Existing Conditions – 0.05% AEP Event
TITLE: – Flood Depth/Levels and Hazard

PROJECT: **137 Brisbane Grove Road,
Goulburn**

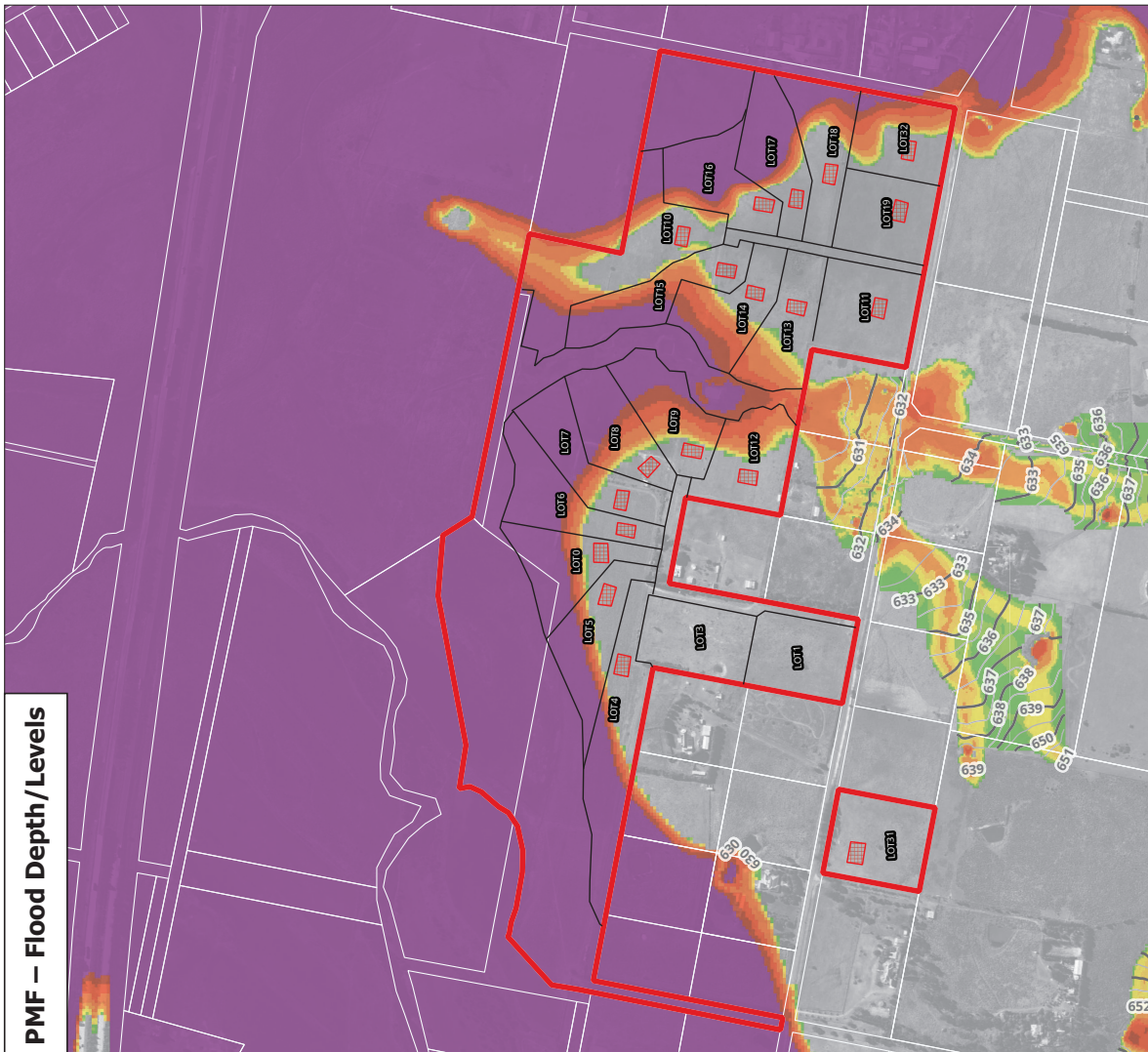
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SCALE: **1:8500**

FIGURE No. **A6**

PMF – Flood Depth/Levels



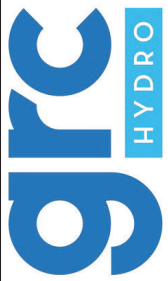
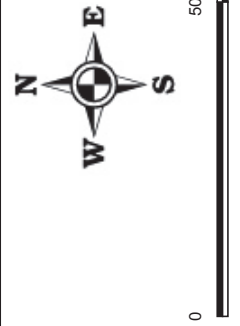
PMF – Flood Hazard



- Subject Site
- Cadastral Boundaries
- Concept Lot Layout
- Concept Building Envelopes
- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.3
- 0.3 - 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0
- Minor Flood Level Contours
(Spacing = 0.5 m)
- Major Flood Level Contours
(Spacing = 1 m)

- H1
- H2
- H3
- H4
- H5
- H6

- Flood Hazard Category

TITLE: Existing Conditions – PMF – Flood Depth/Levels and Hazard

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DATE: 11-2023

SCALE: 1:8500

FIGURE No. A7



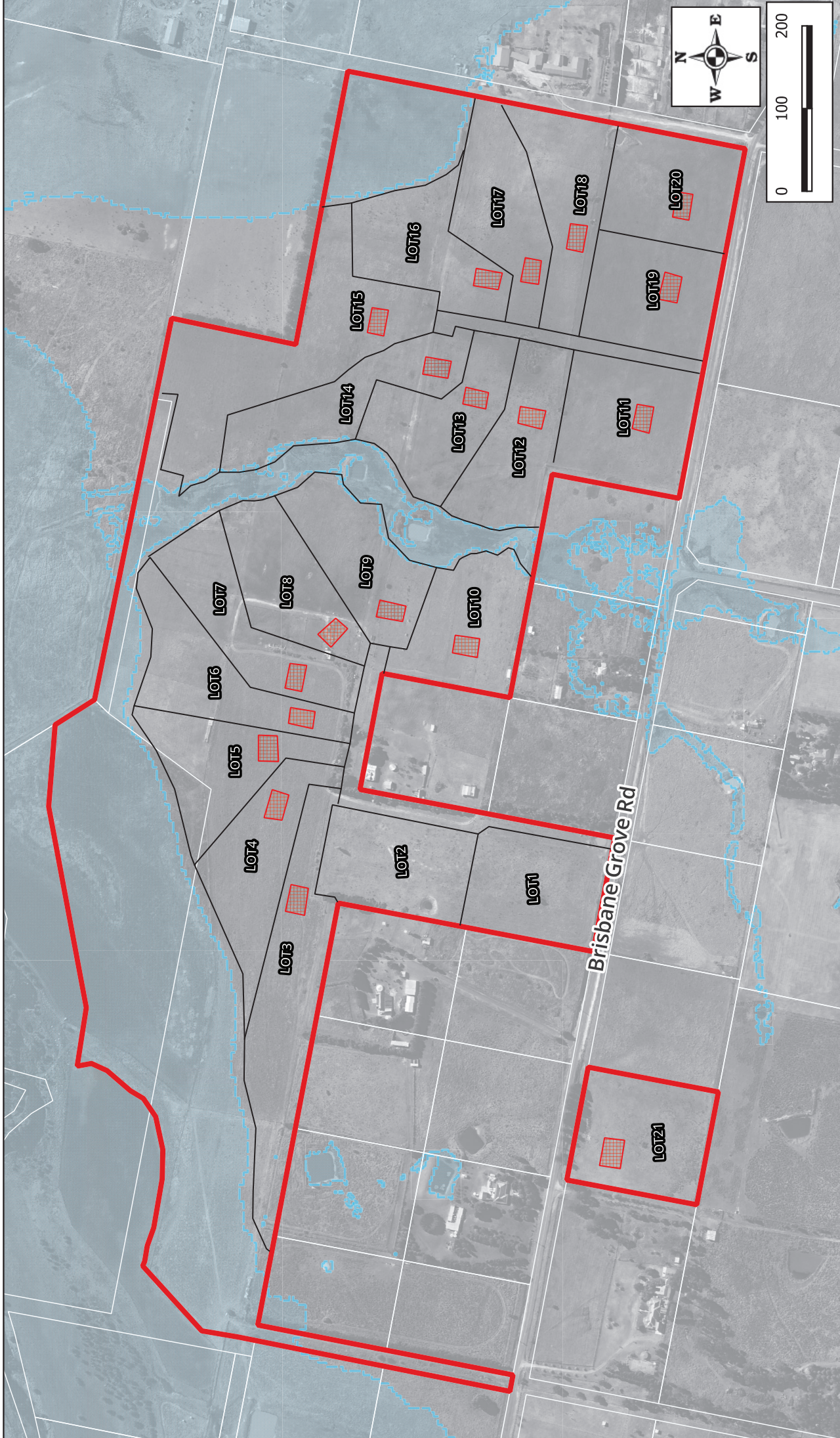
TITLE: Existing Conditions - Flood Function

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PROJECT No. 230048

DATE: 12-2023 **SCALE: 1:6,000** **FIGURE No. A8**

Hydraulic Category	Subject Site
Flow Conveyance	Cadastral Boundaries
Flood Storage	Concept Lot Layout
Flood Fringe	Concept Building Envelopes



TITLE: Flood Planning Area	
PROJECT: 137 Brisbane Grove Rd, Goulburn	
PROJECT No.	230048
DATE: 12-2023	SCALE: 1:6,000
	FIGURE No. A9

Subject Site	Flood Planning Area
Cadastral Boundaries	
Concept Lot Layout	
Concept Building Envelopes	