

**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)**

<b>Section 9.1 Direction</b>	<b>Version (date)</b>
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)

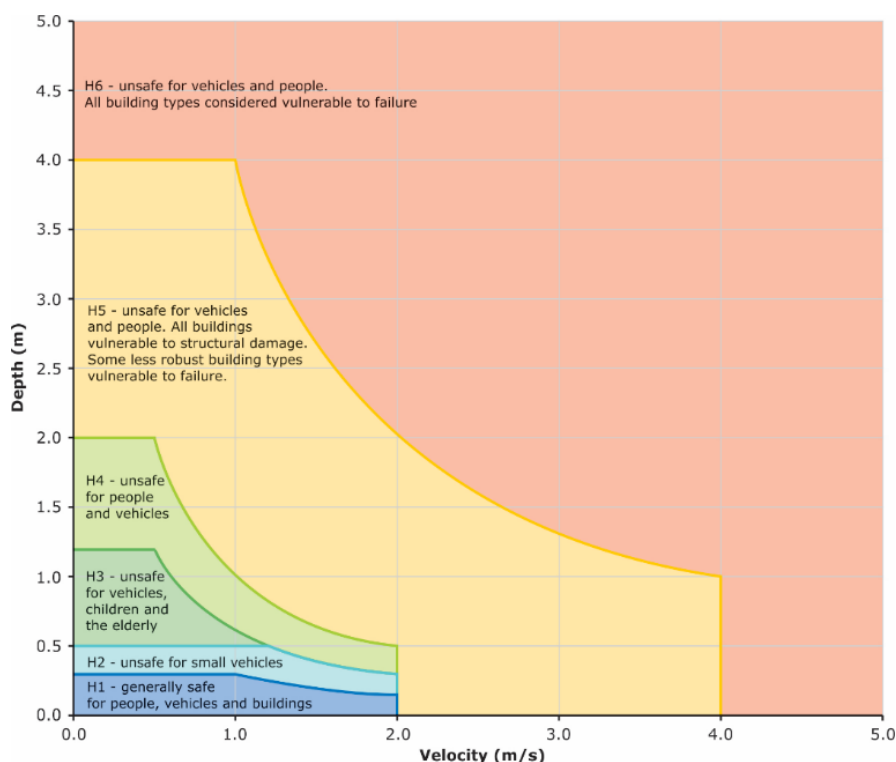


Table 4: Flood Hazard – Vulnerability Thresholds

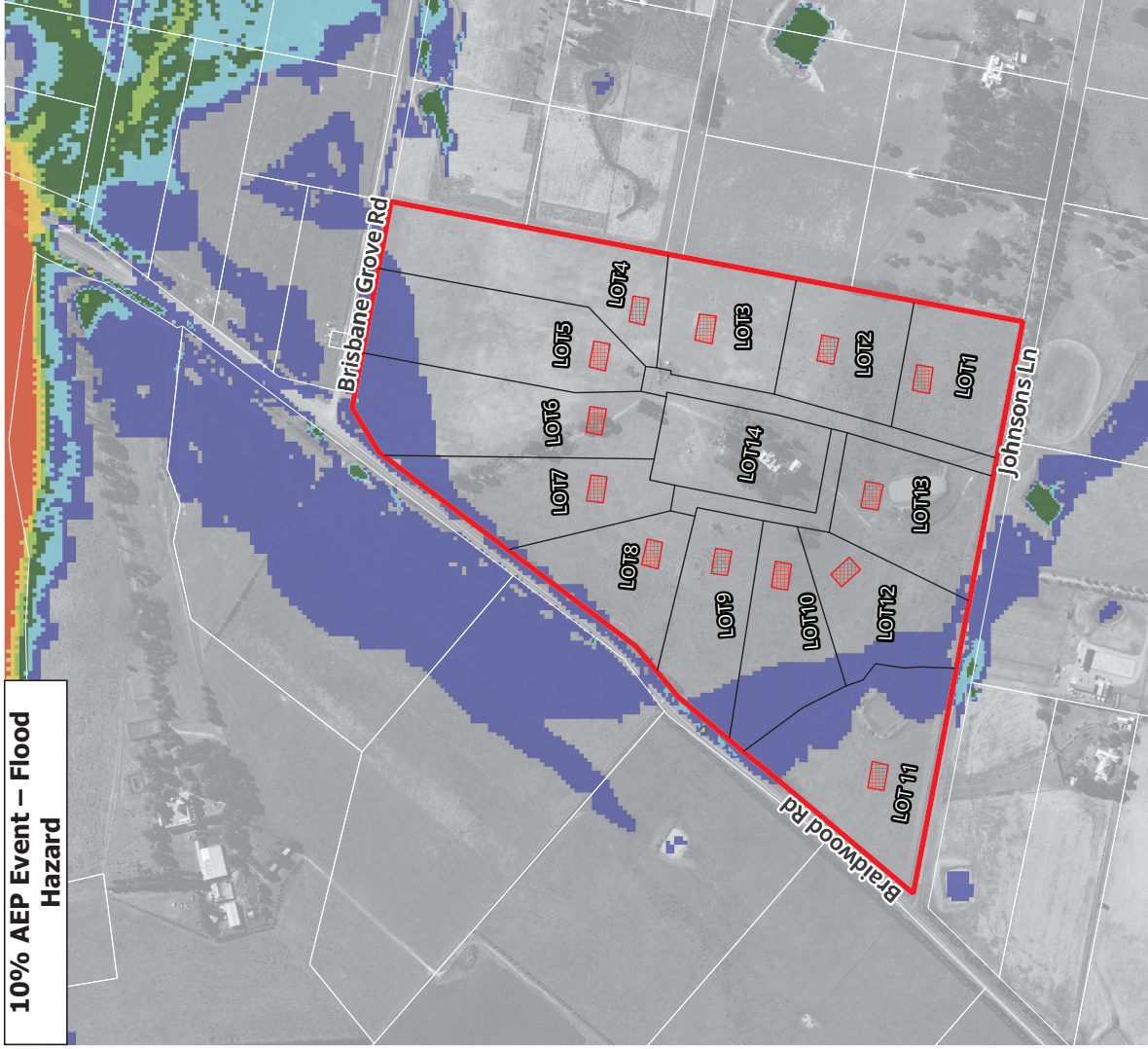
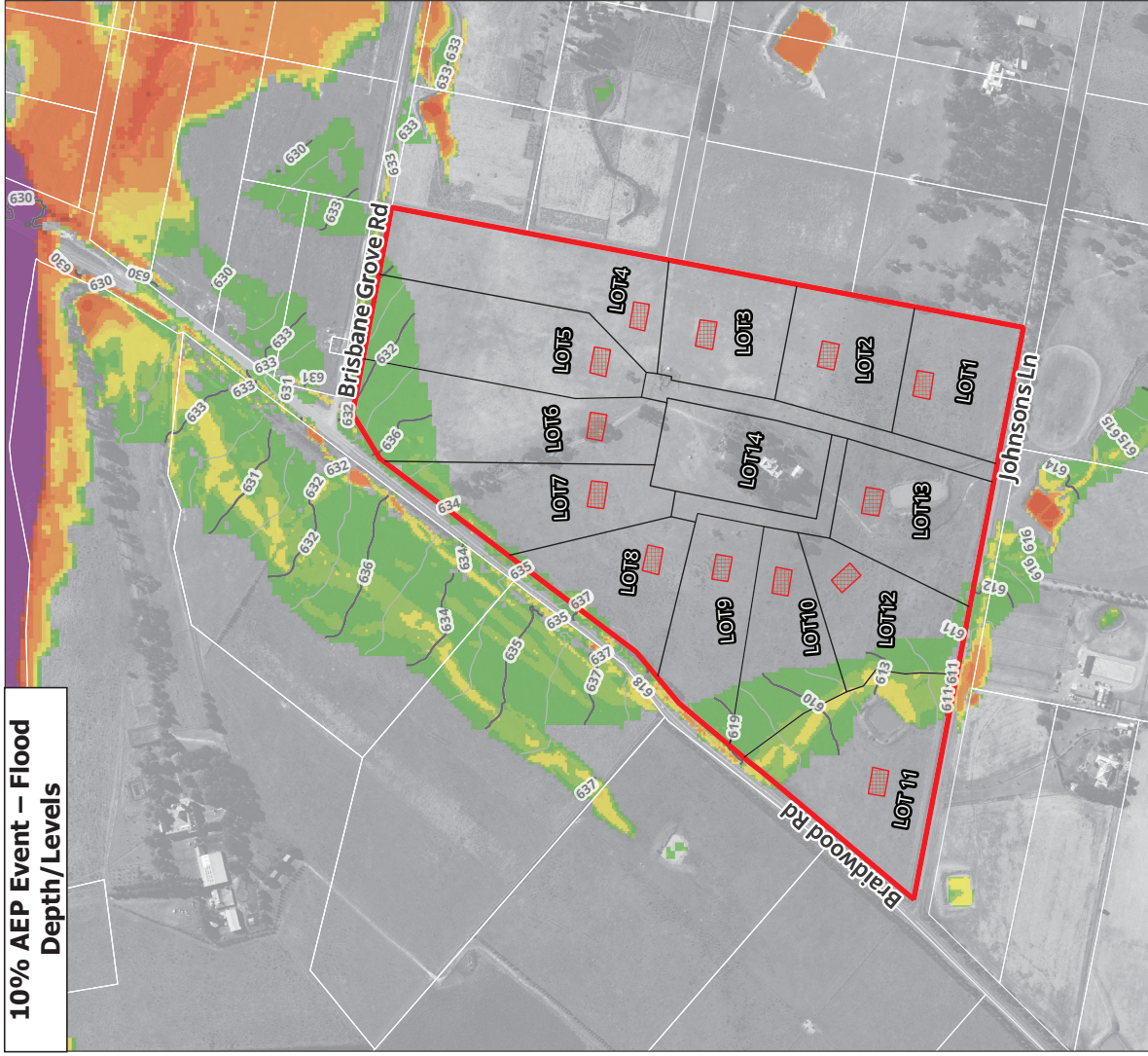
Hazard Classification	Description
H1	Generally safe for vehicles, people and buildings.
H2	Unsafe for small vehicles.
H3	Unsafe for vehicles, children and the elderly.
H4	Unsafe for vehicles and people.
H5	Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust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

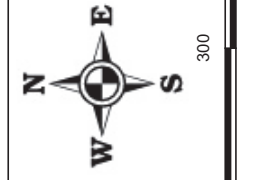
- **Floodway** – the areas where a significant proportion of the floodwaters flow and typically align with defined channels. If these areas are blocked or developed, there will be significant redistribution of flow and increased flood levels across the floodplain. Generally, the flow conveyance are areas 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 B



**10% AEP Event - Flood Hazard**

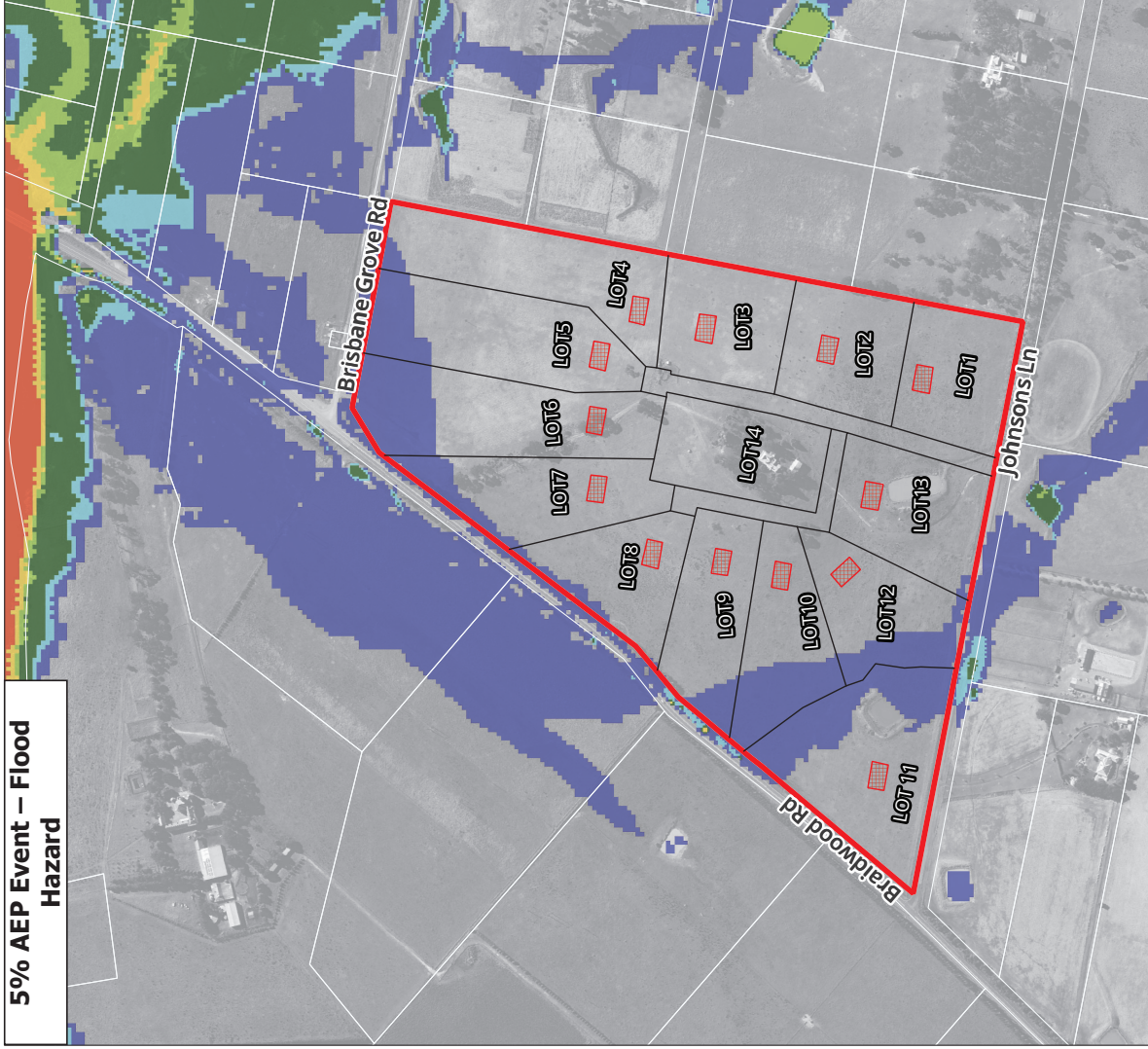
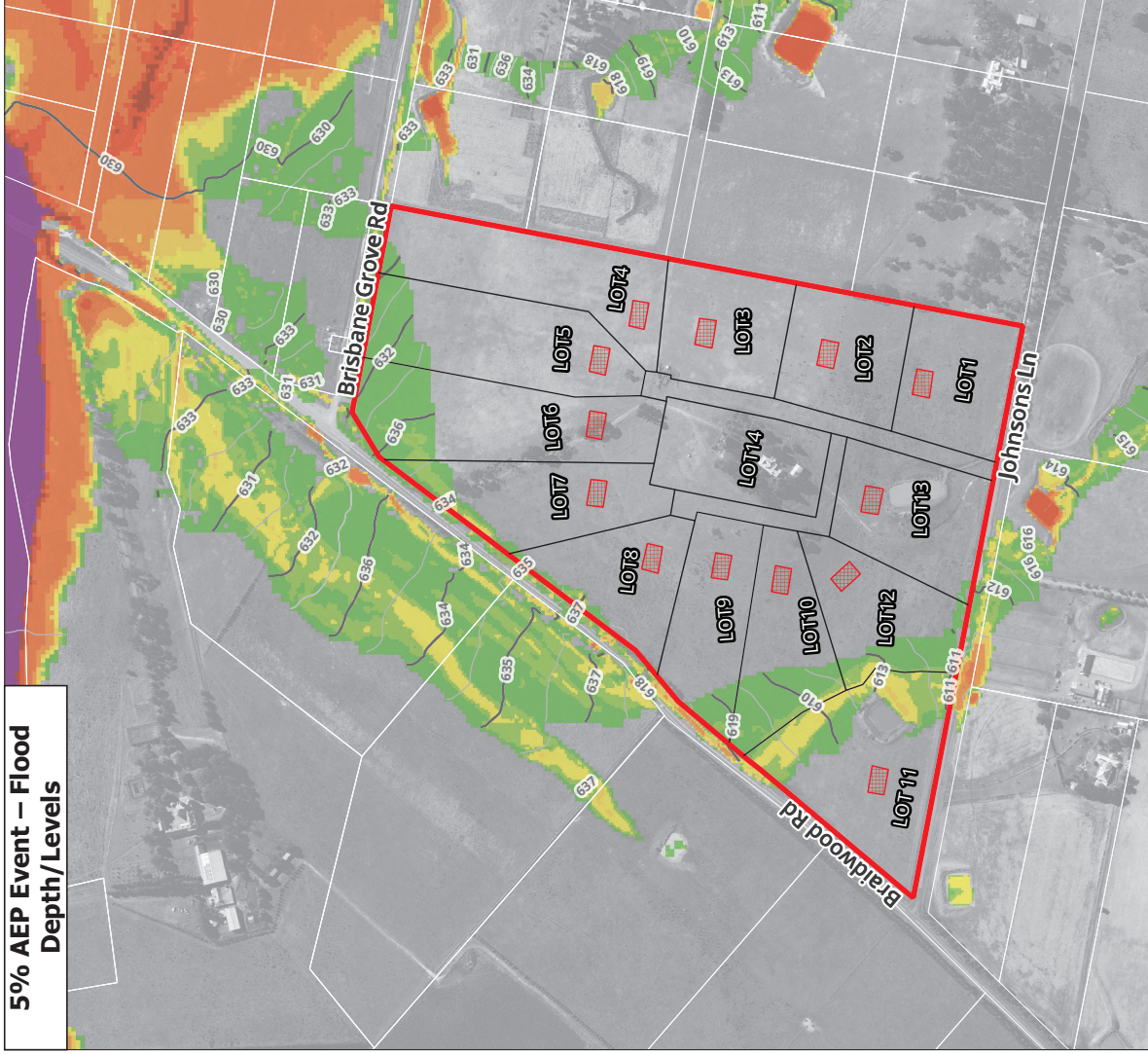
**10% AEP Event - Flood Depth/Levels**



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

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



**5% AEP Event - Flood Depth/Levels**

**5% 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)

- Flood Hazard Category
- H1
  - H2
  - H3
  - H4
  - H5
  - H6



TITLE: Existing Conditions - 5% AEP Event - Flood Depth/Levels and Hazard

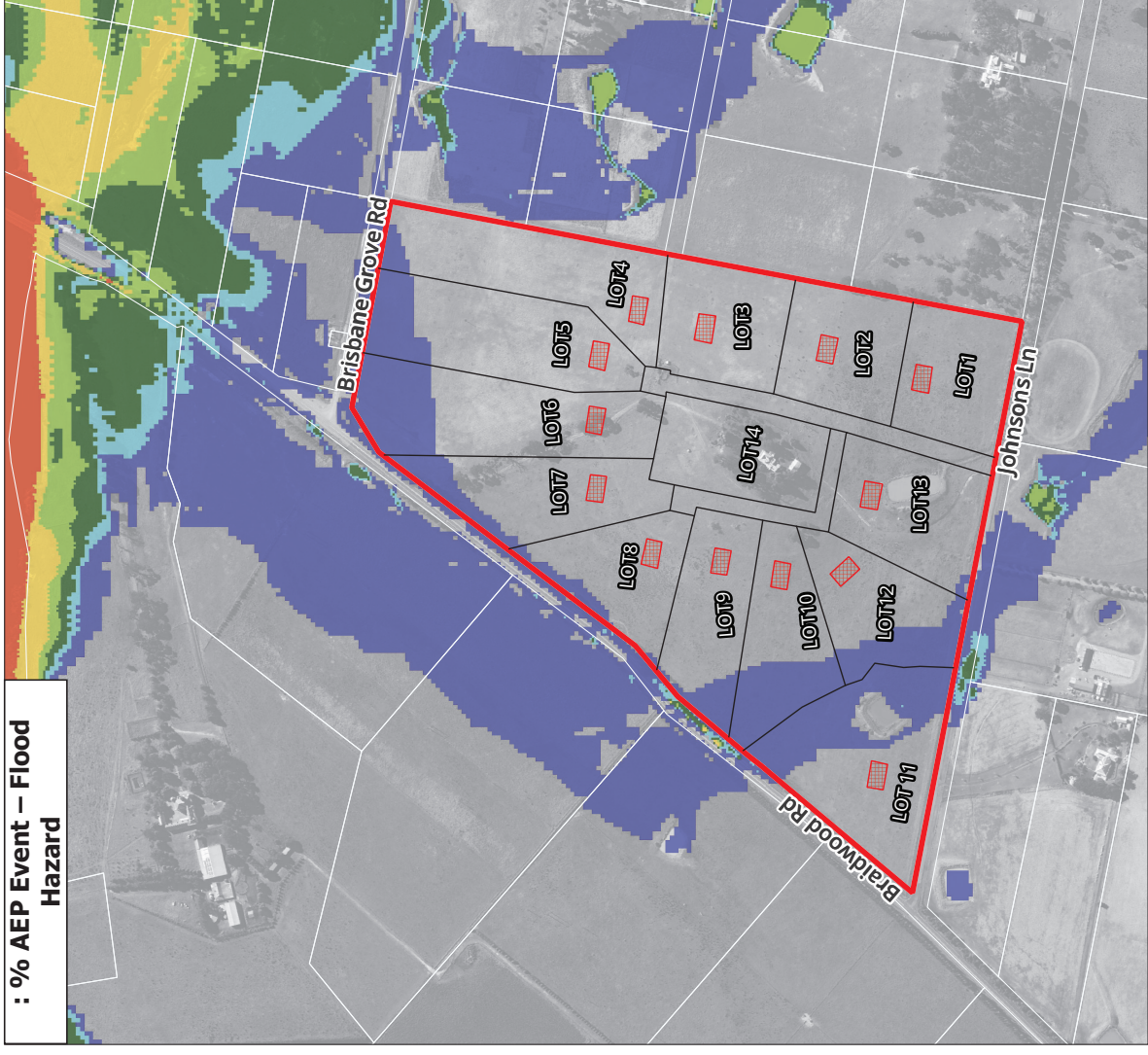
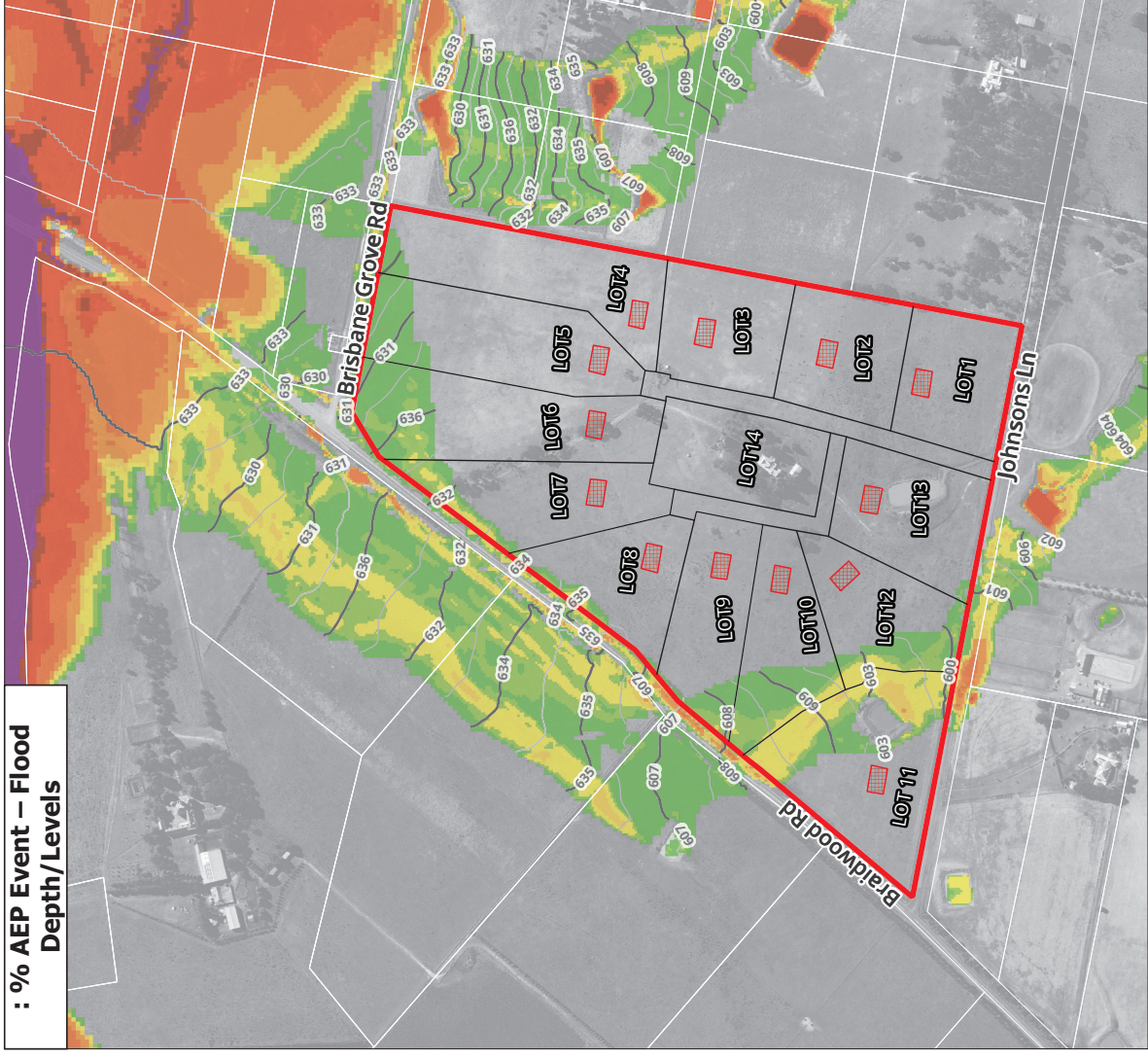
PROJECT: 2 Brisbane Grove Road, Goulburn

PROJECT No. 230048

DATE: 12-2023

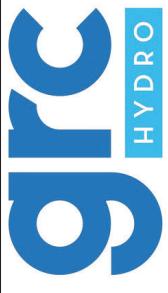
SCALE: 1:6000

FIGURE No. B2



- 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: Existing Conditions 3: % AEP Event – Flood Depth/Levels and Hazard

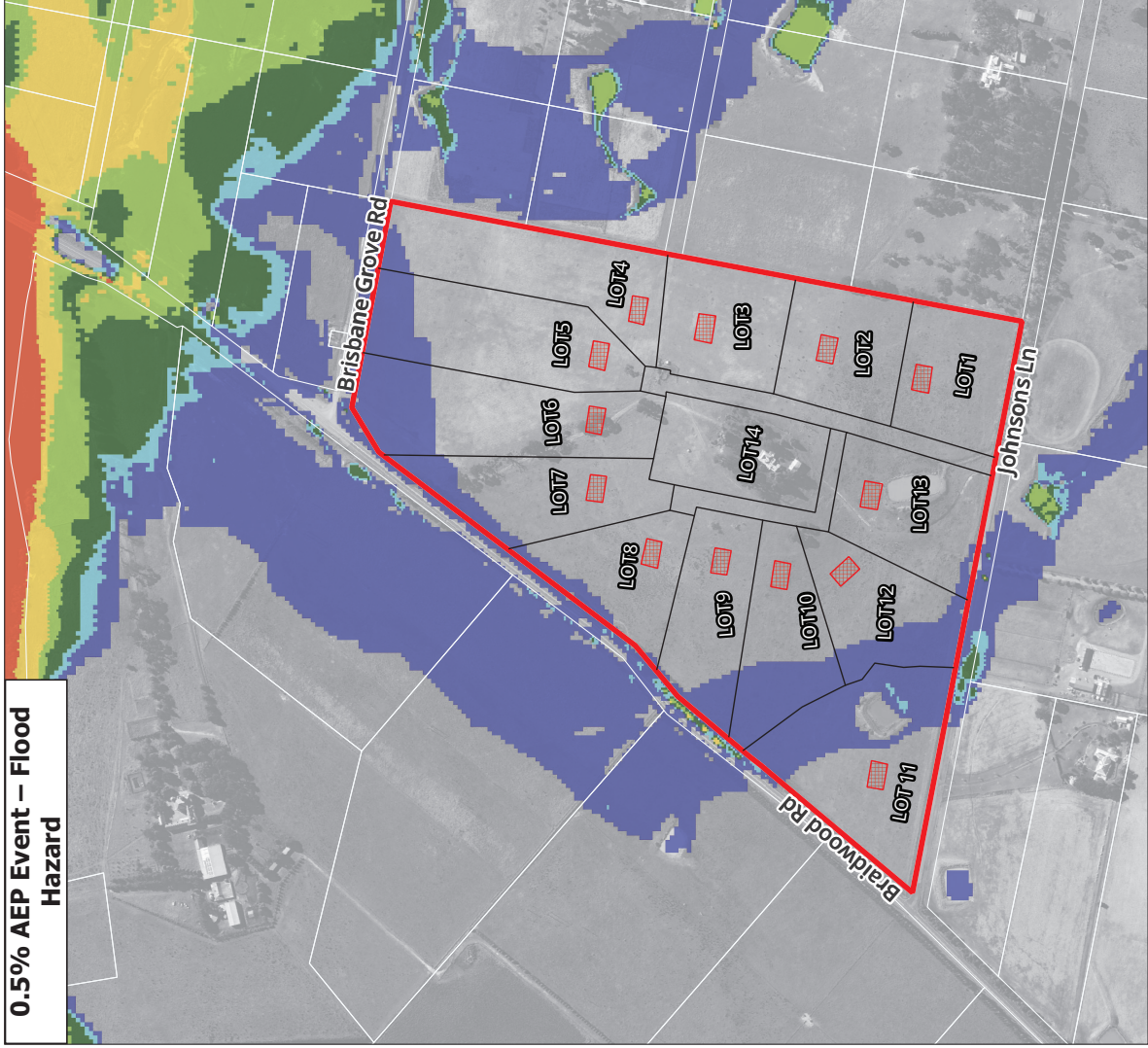
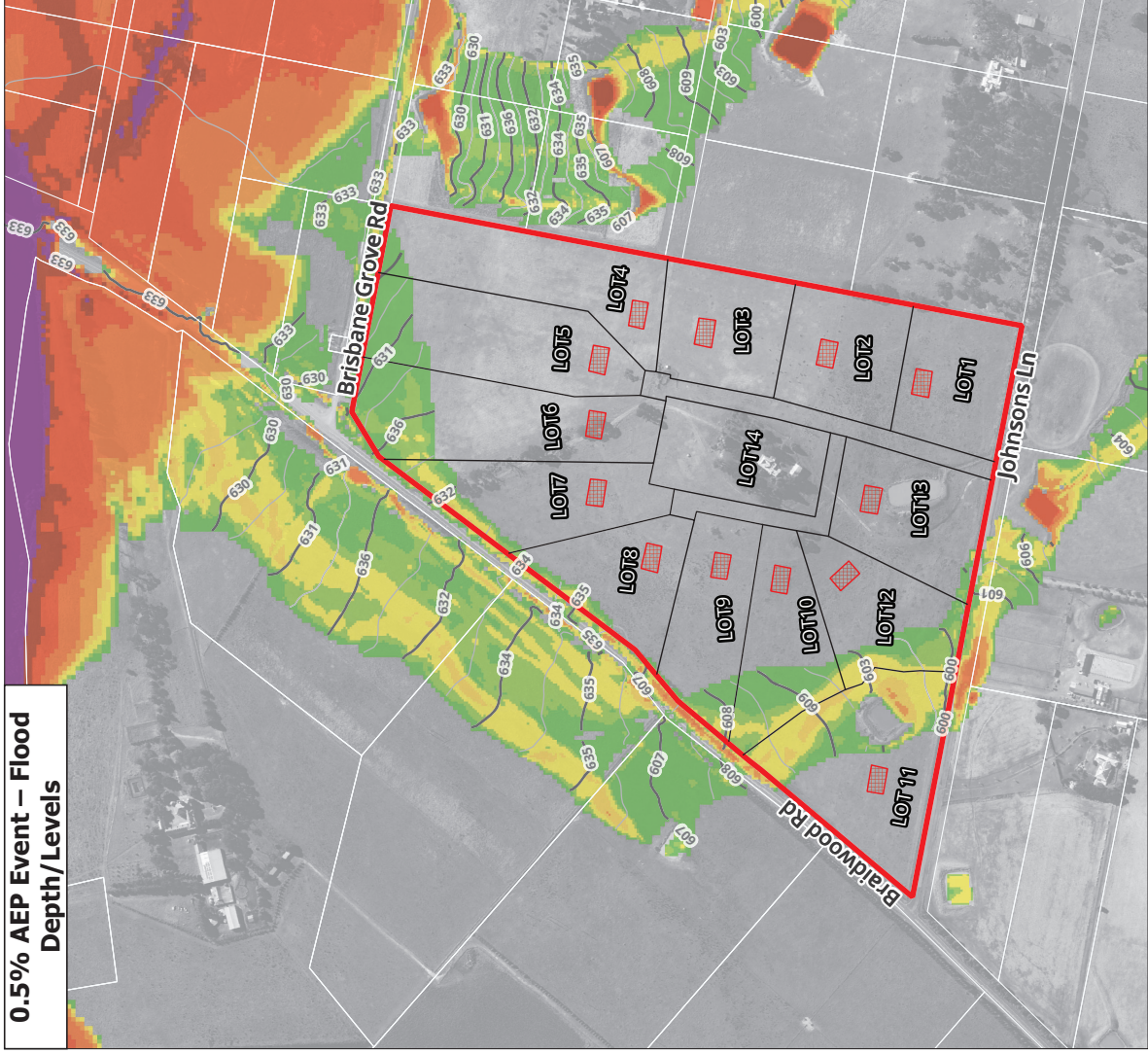
PROJECT: Brisbane Grove Road,   
Goulburn

PROJECT No. - 12248

DATE: - 3-2-1

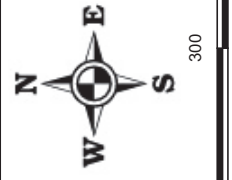
SCALE: - 0:222

FIGURE No. B1



**0.5% AEP Event – Flood Hazard**

**0.5% AEP Event – Flood Depth/Levels**

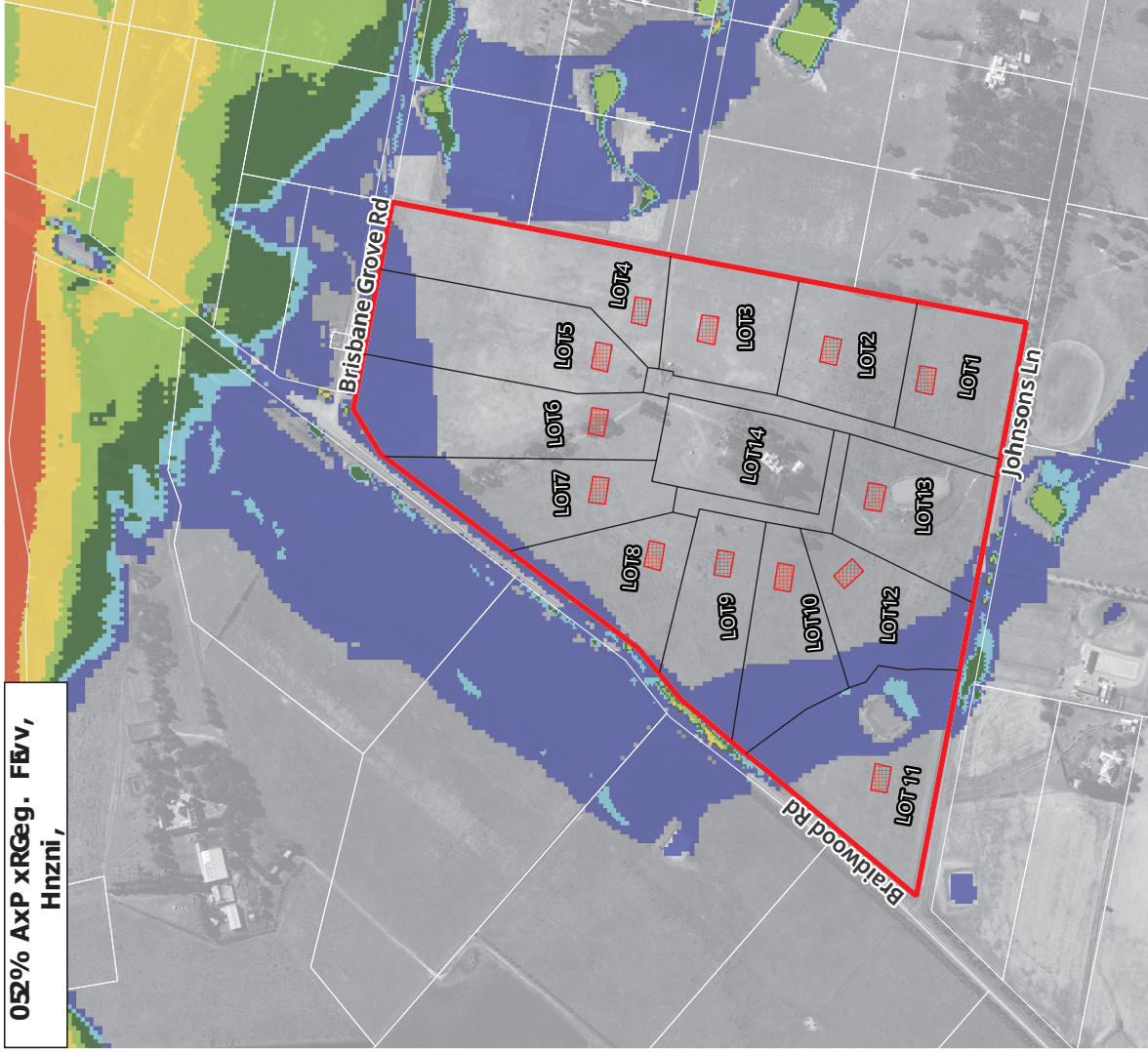
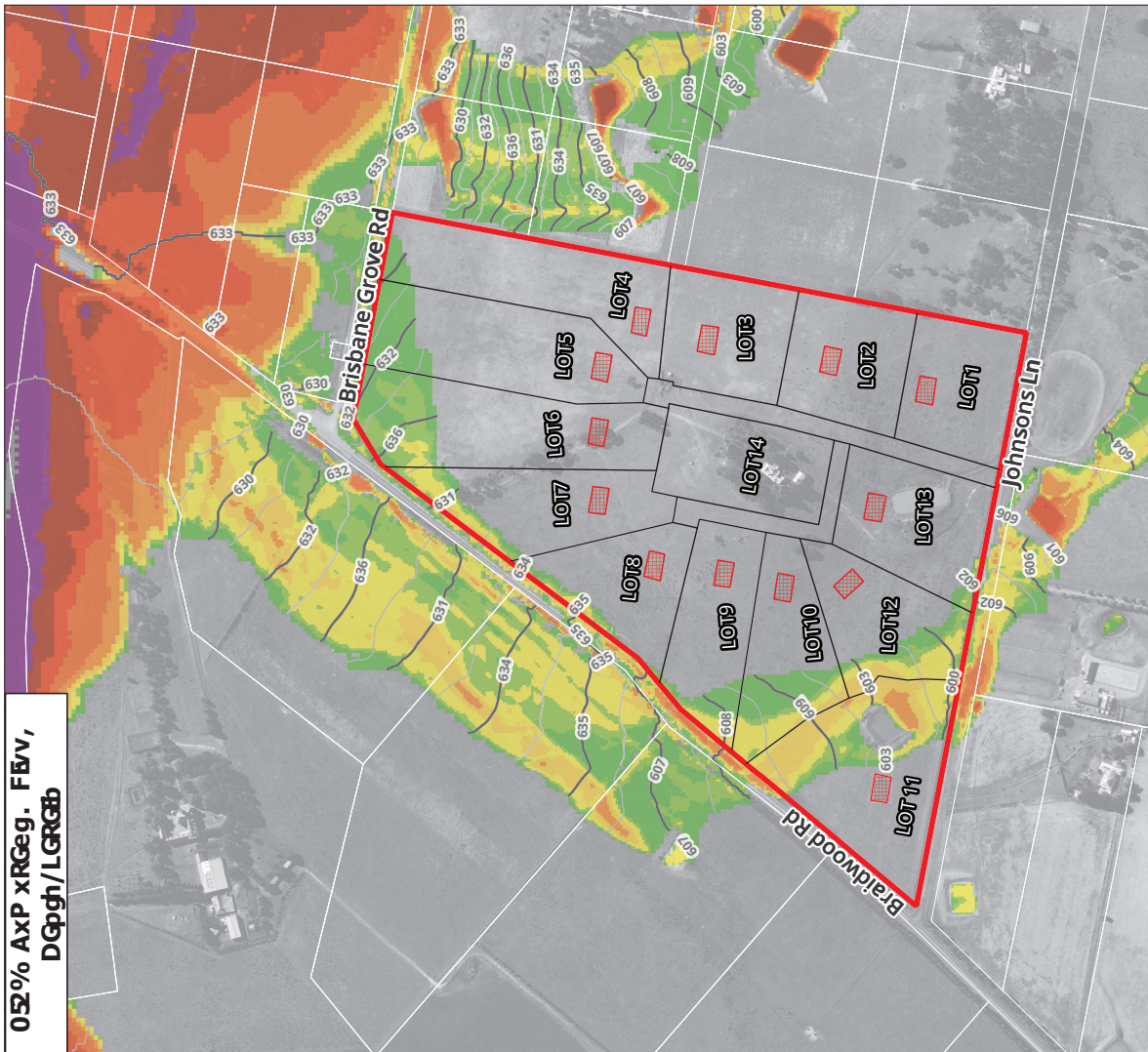


- Flood Hazard Category**
- H1
  - H2
  - H3
  - H4
  - H5
  - H6

- Flood Depths (m)**
- 0 - 0.05
  - 0.05 - 0.1
  - 0.1 - 0.2
  - 0.2 - 0.3
  - 0.3 - 0.5
- 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

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

0.5% AXP xRGeg. FBV, DGph/LRGcb

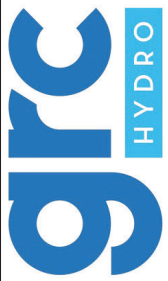
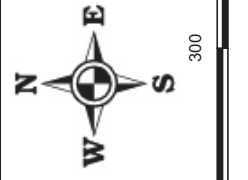


0.5% AXP xRGeg. FBV, Hnzni

- 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)

- 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

- Flood Hazard Category
  - H1
  - H2
  - H3
  - H4
  - H5
  - H6



TITLE: . FBV, DGph/LRGcb ne, Hnzni, 0.5% AXP xRGeg

PROJECT: 2 BrisbaneGoiVRG dvn, u ovl Eil ie

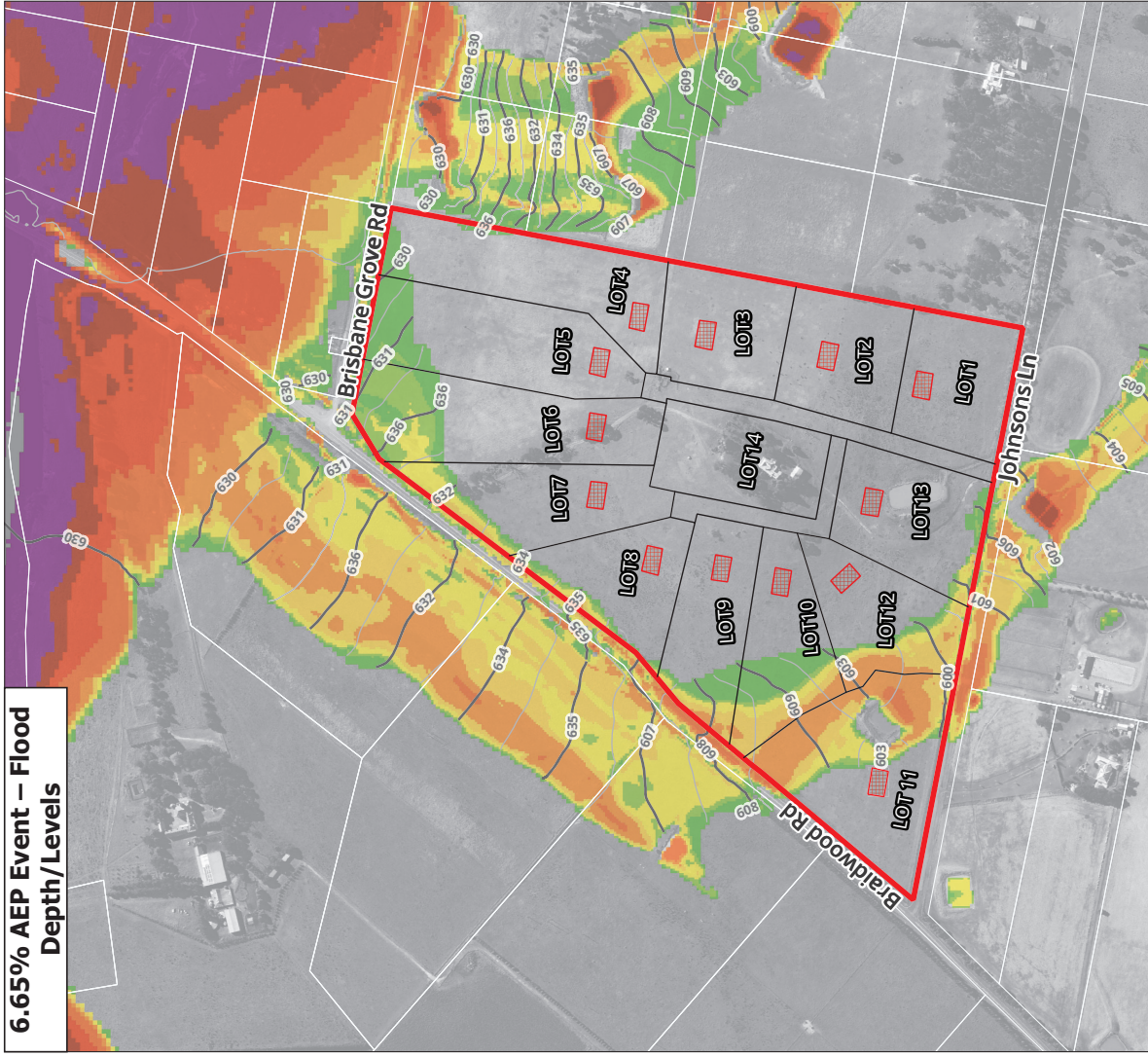
PROJECT NO. 230088

DATE: 12-2023

SCALE: 1:6000

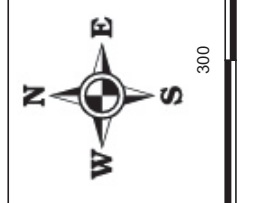
FIGURE NO. B4





**6.65% AEP Event – Flood Hazard**

**6.65% AEP Event – Flood Depth/Levels**

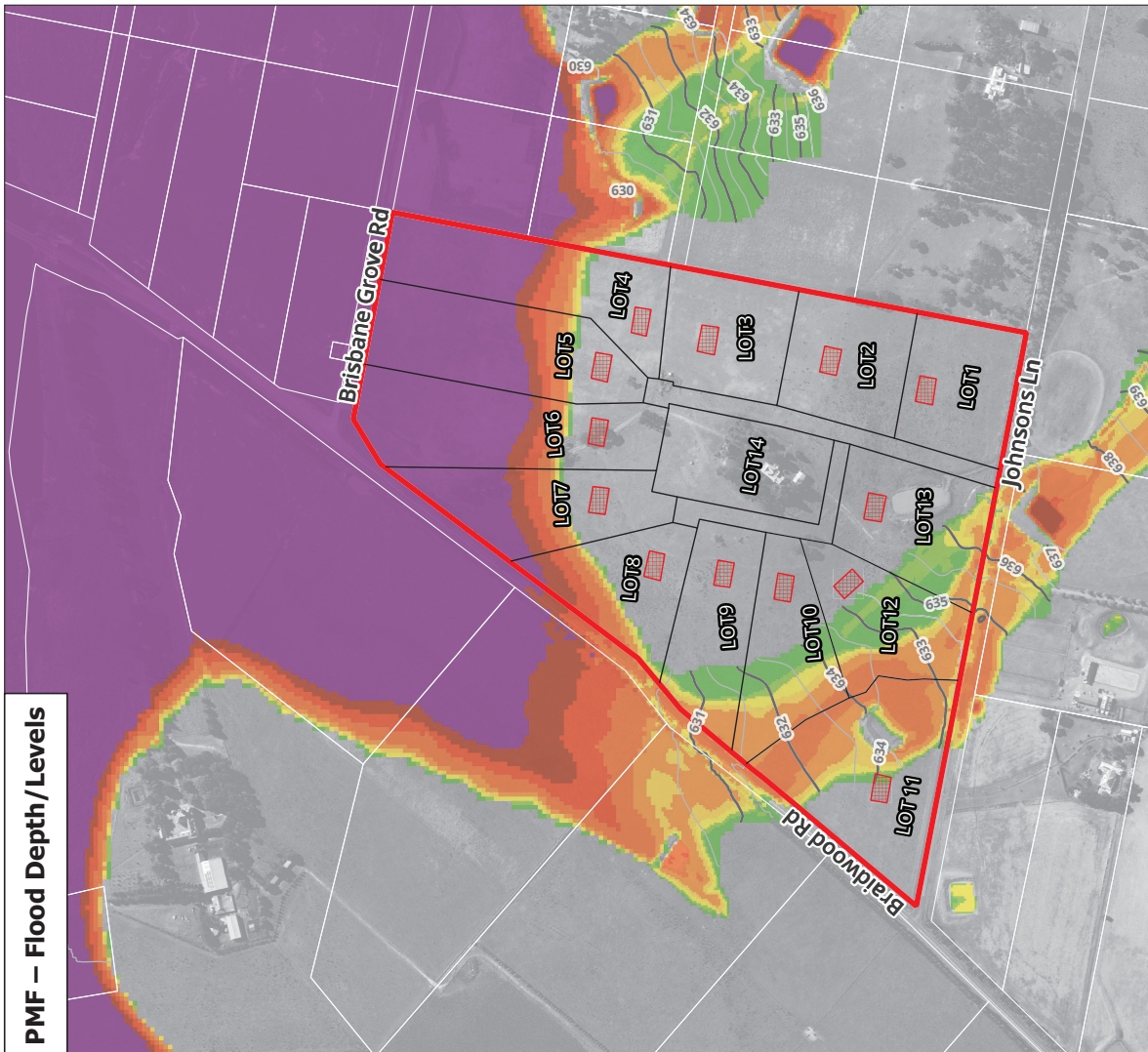


- Flood Hazard Category**
- H1
  - H2
  - H3
  - H4
  - H5
  - H6

- 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)

- 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

**PMF – Flood Depth/Levels**



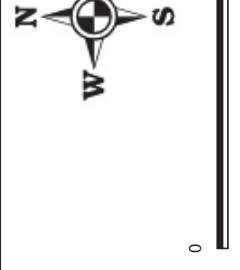
**PMF – Flood Hazard**



- Subject Site
- Cadastral Boundaries
- Concept Lot Layout
- Concept Building Envelopes
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0
- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.3
- 0.3 - 0.5
- H1
- H2
- H3
- H4
- H5
- H6

- Flood Hazard Category
- H1
- H2
- H3
- H4
- H5
- H6

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



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

PROJECT: 2 Brisbane Grove Road, Goulburn

PROJECT No. 230048

DATE: 12-2023

SCALE: 1:6000

FIGURE No. B7



**TITLE: Existing Conditions - Flood Function**

**PROJECT: 2 Brisbane Grove Rd, Goulburn**

**PROJECT No. 230048**

**DATE: 12-2023**      **SCALE: 1:6,000**      **FIGURE No. B8**

<b>Hydraulic Category</b>	<b>Subject Site</b>
<b>Flow Conveyance</b>	<b>Cadastral Boundaries</b>
<b>Flood Storage</b>	<b>Concept Lot Layout</b>
<b>Flood Fringe</b>	<b>Concept Buildings Envelopes</b>



**TITLE: Flood Planning Area Map**  
**PROJECT: 2 Brisbane Grove Rd, Goulburn**  
**PROJECT No. 230048**  
**DATE: 12-2023**      **SCALE: 1:6,000**      **FIGURE No. B9**

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