

TECHNICAL REPORT

08

Updated noise and vibration assessment— construction and other operations

(Part 3 of 5)

NARROMINE TO NARRABRI PROJECT



TECHNICAL REPORT 08

Updated noise and vibration assessment—
construction and other operations



Appendix G Construction noise contours, scenario ROAD03— road earthworks

NARROMINE TO NARRABRI PROJECT





LEGEND

-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 22/12/2021

Paper: A4

Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC) in partnership with the private sector.



LEGEND

Structure type

- Residential
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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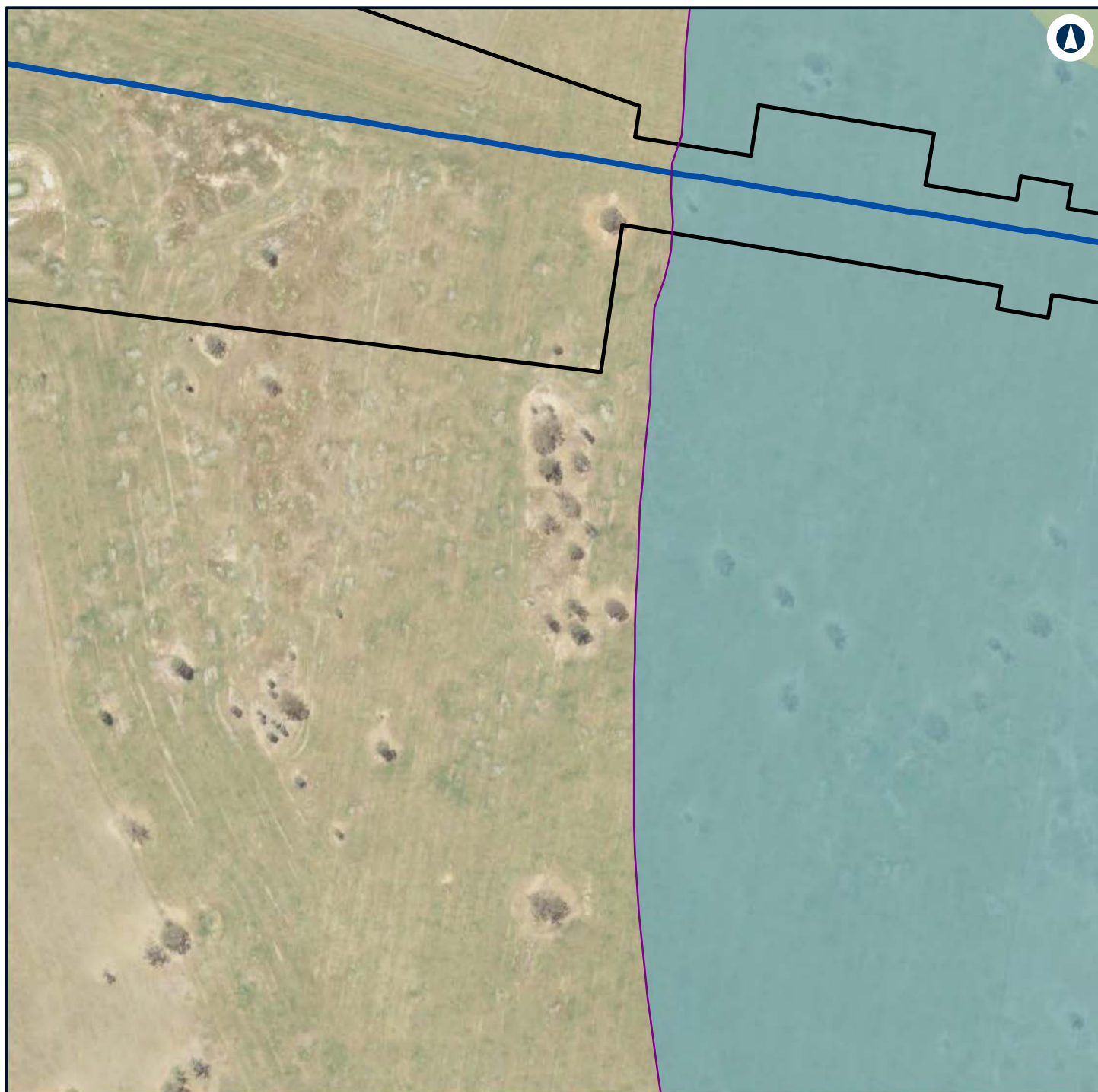
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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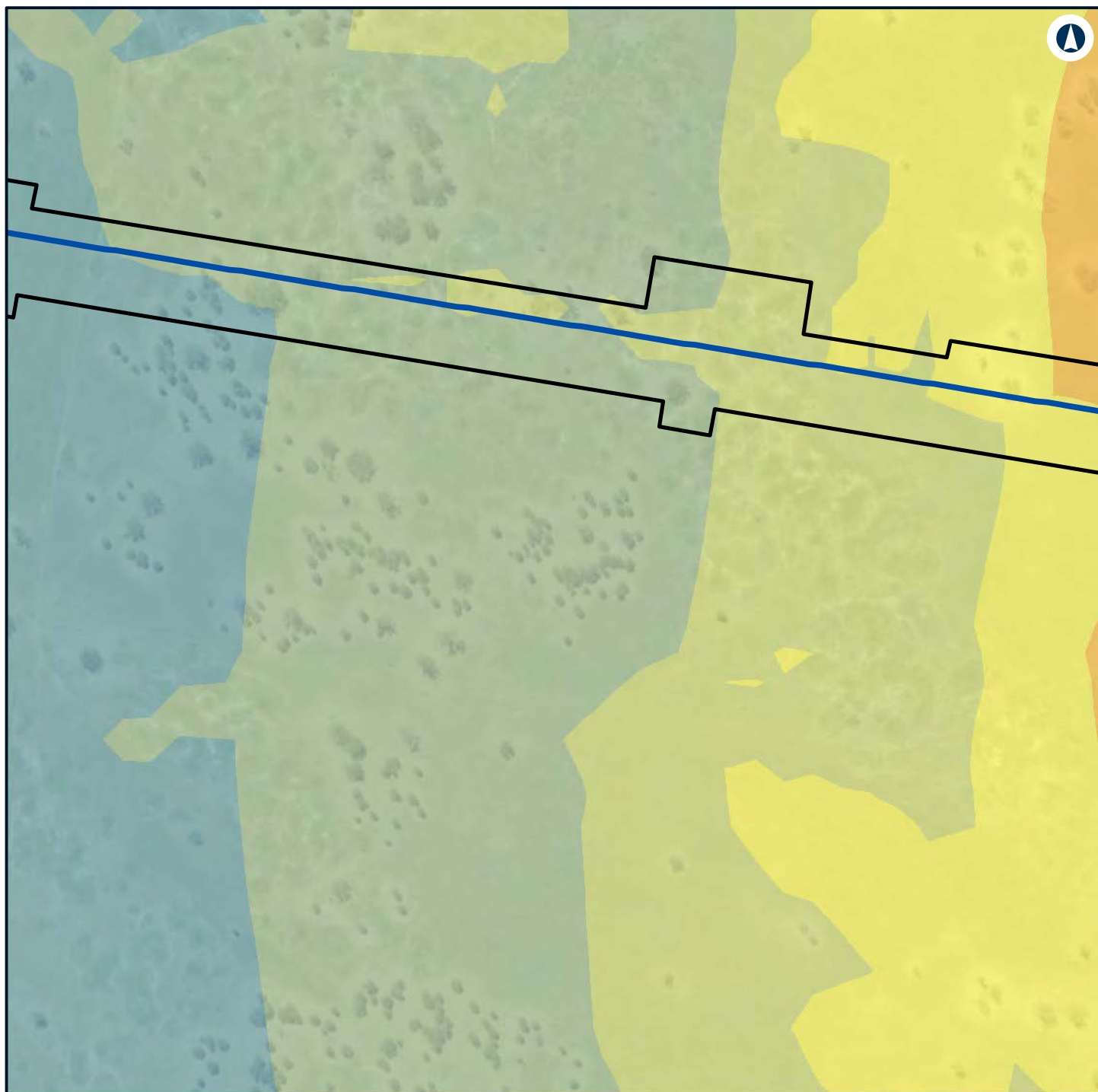
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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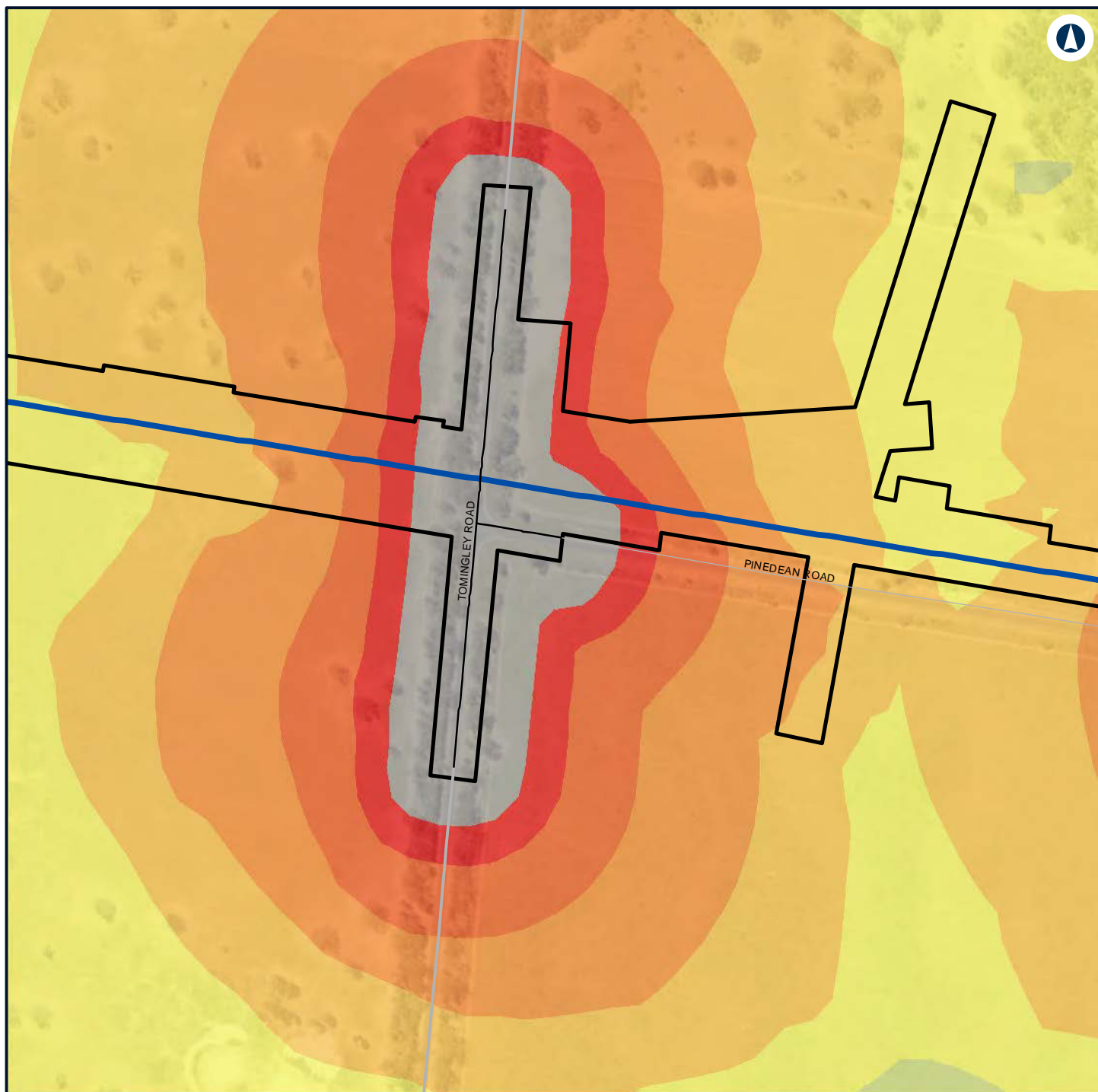
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LEGEND

- Alignment
 - Road design string
 - Construction footprint
- Noise level (dBA L)**
Aeq 15 minute)
- 45 - 50
 - 50 - 55
 - 55 - 60
 - 60 - 65
 - 65 - 70
 - 70 - 75
 - > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

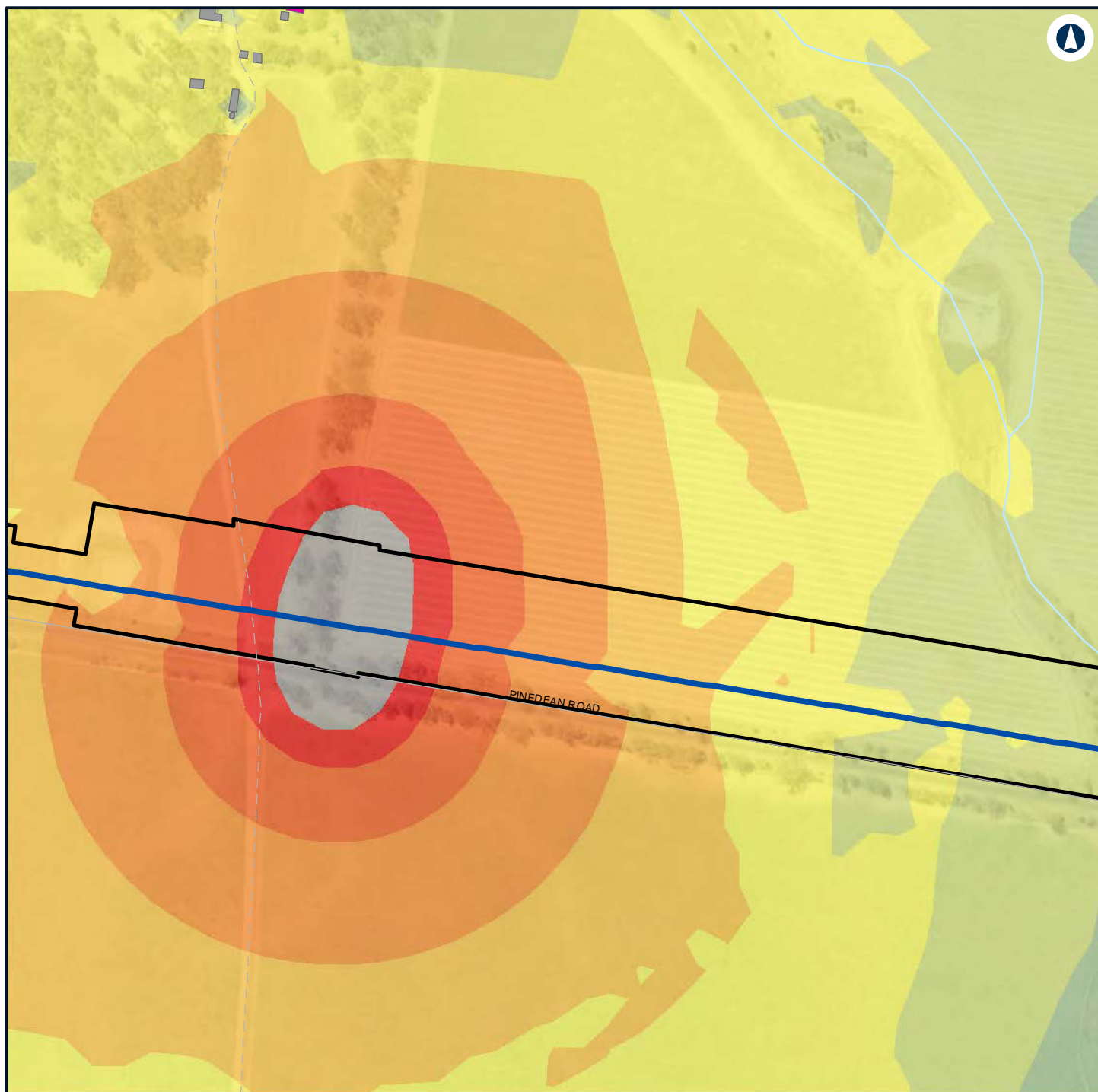
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LEGEND

Alignment	45 - 50
Construction footprint	50 - 55
Other	55 - 60
Residential	60 - 65
Noise level (dBA L	65 - 70
Aeq 15 minute)	70 - 75
40 - 45	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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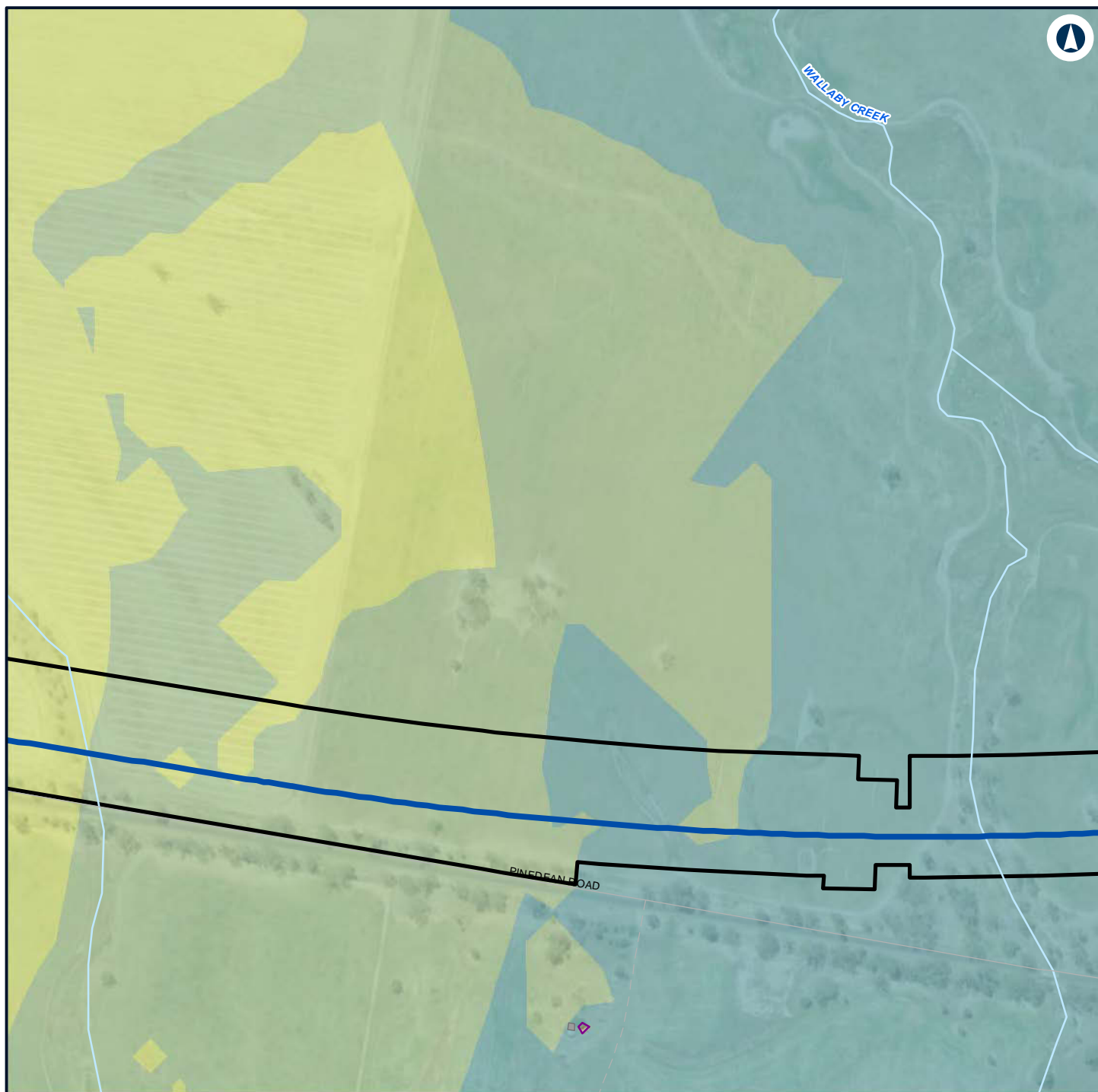
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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)	
	35 - 40
	40 - 45
	45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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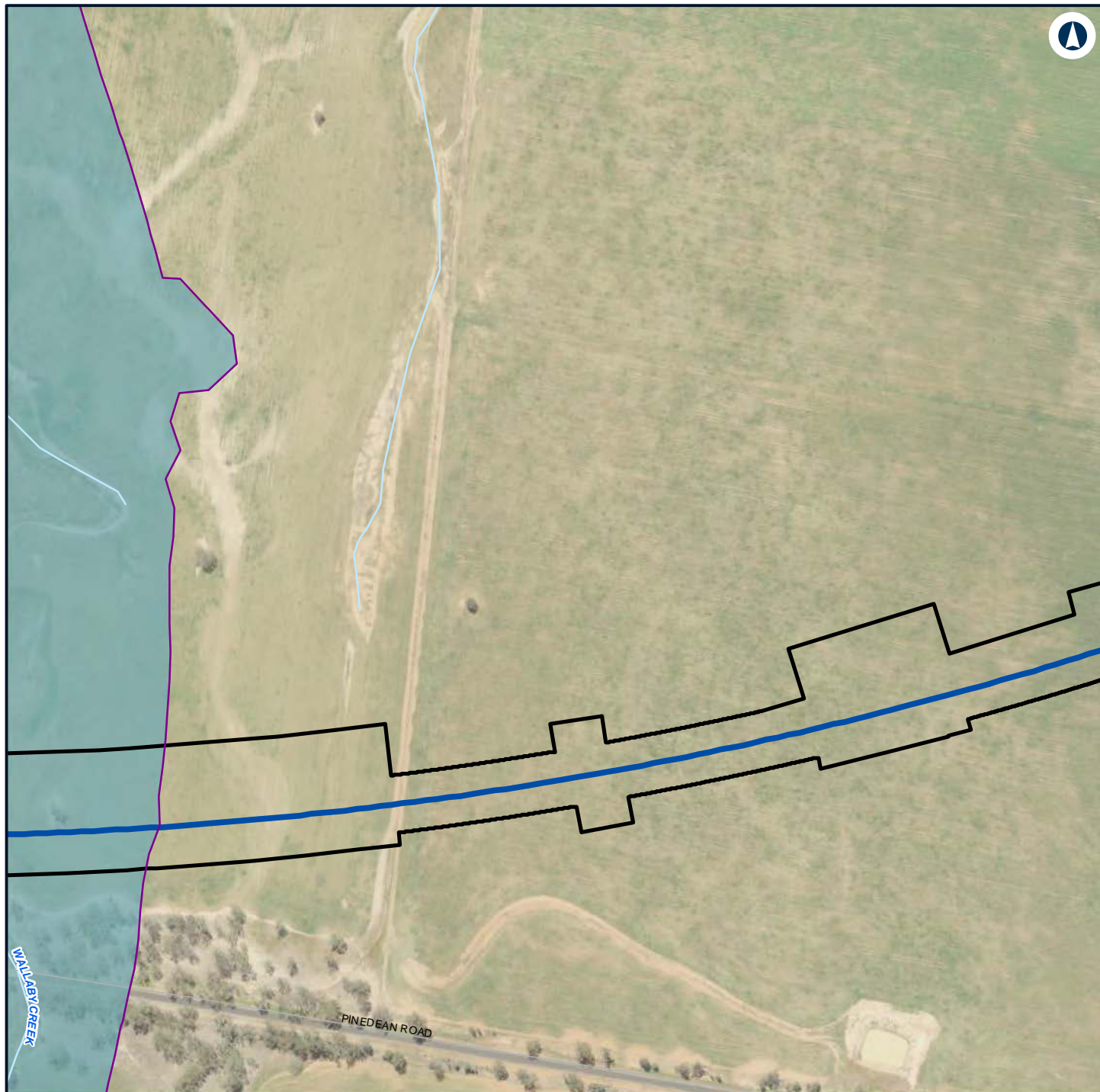
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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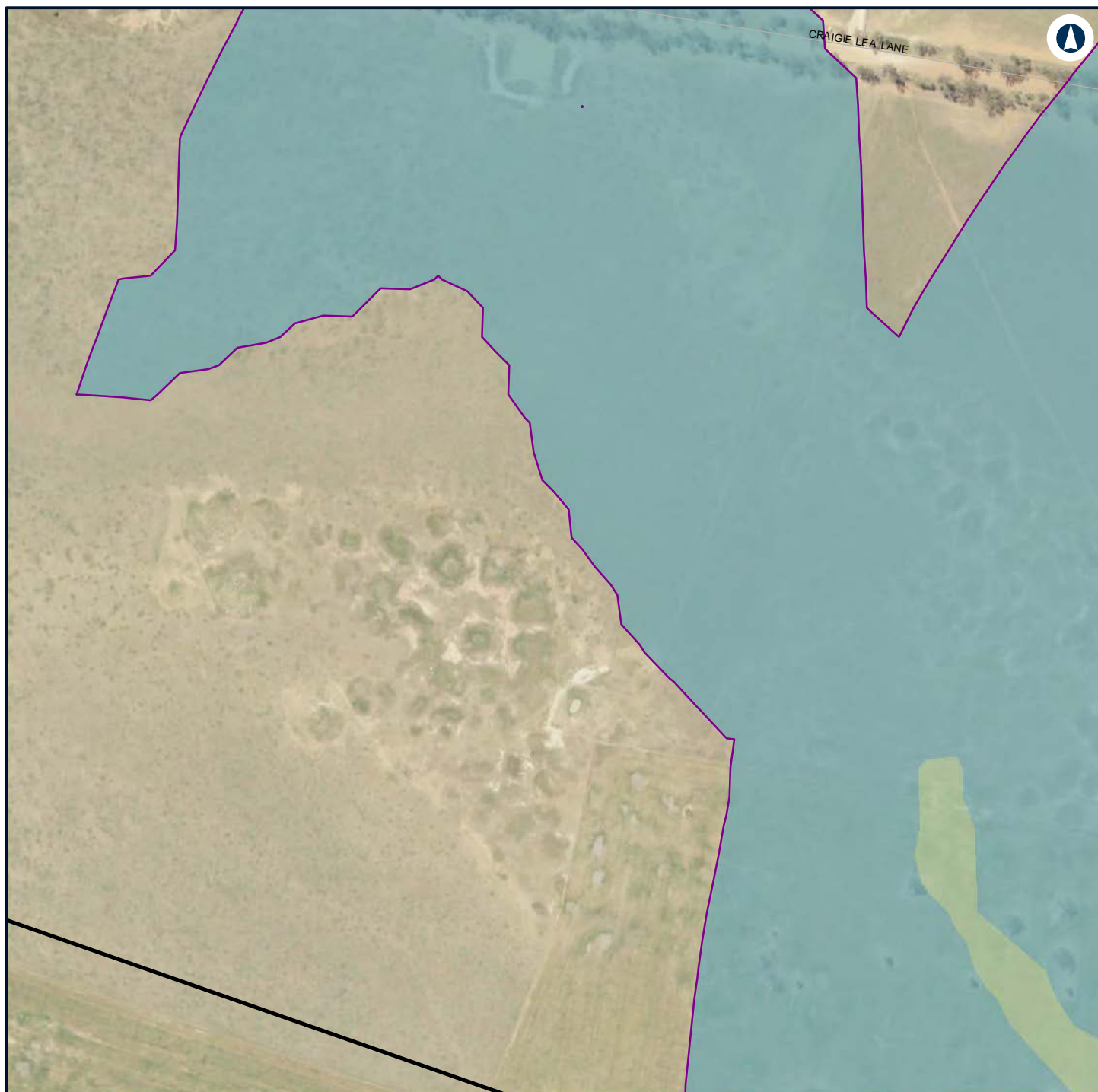
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LEGEND

-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

-  35 - 40
-  40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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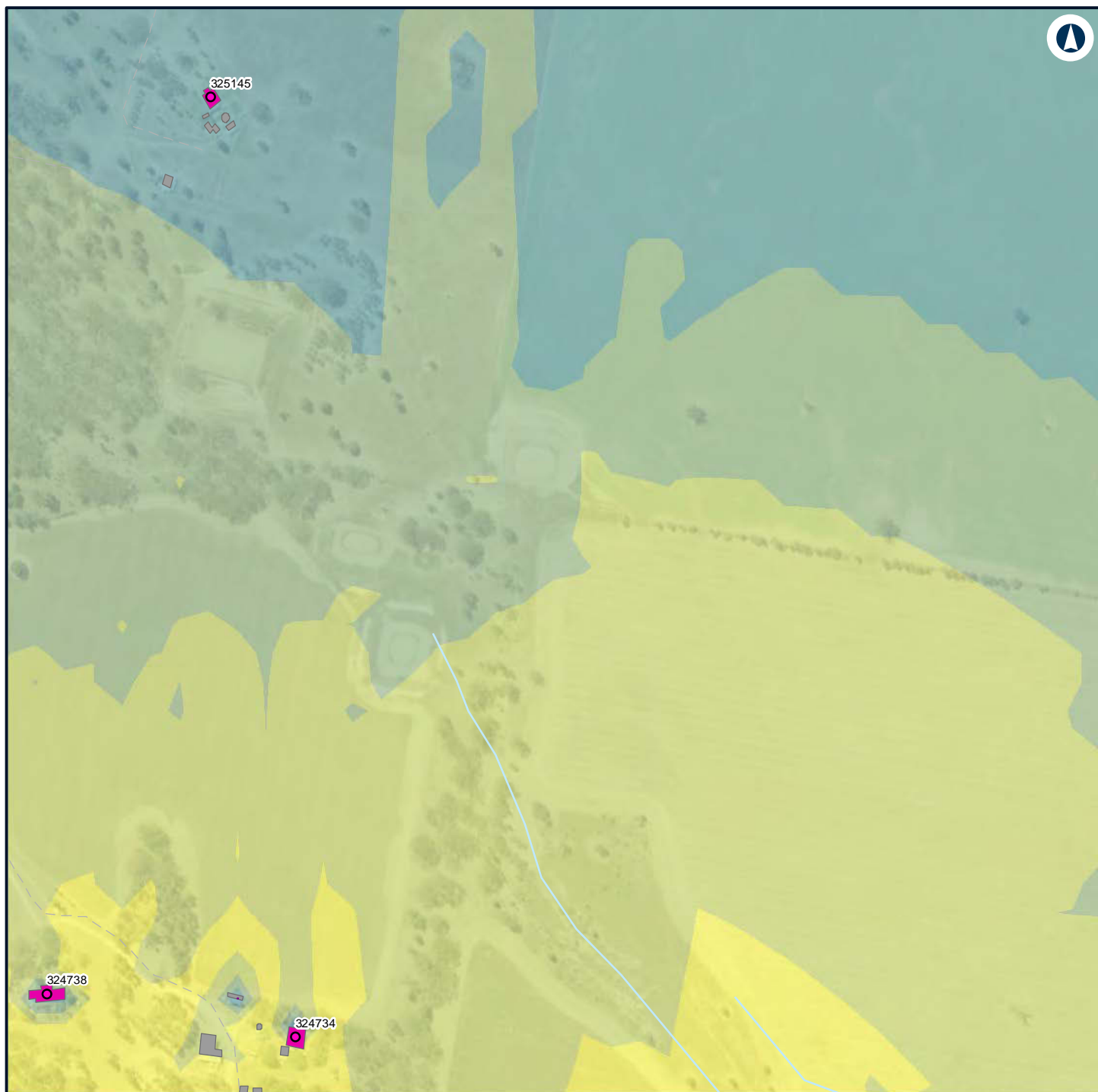
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
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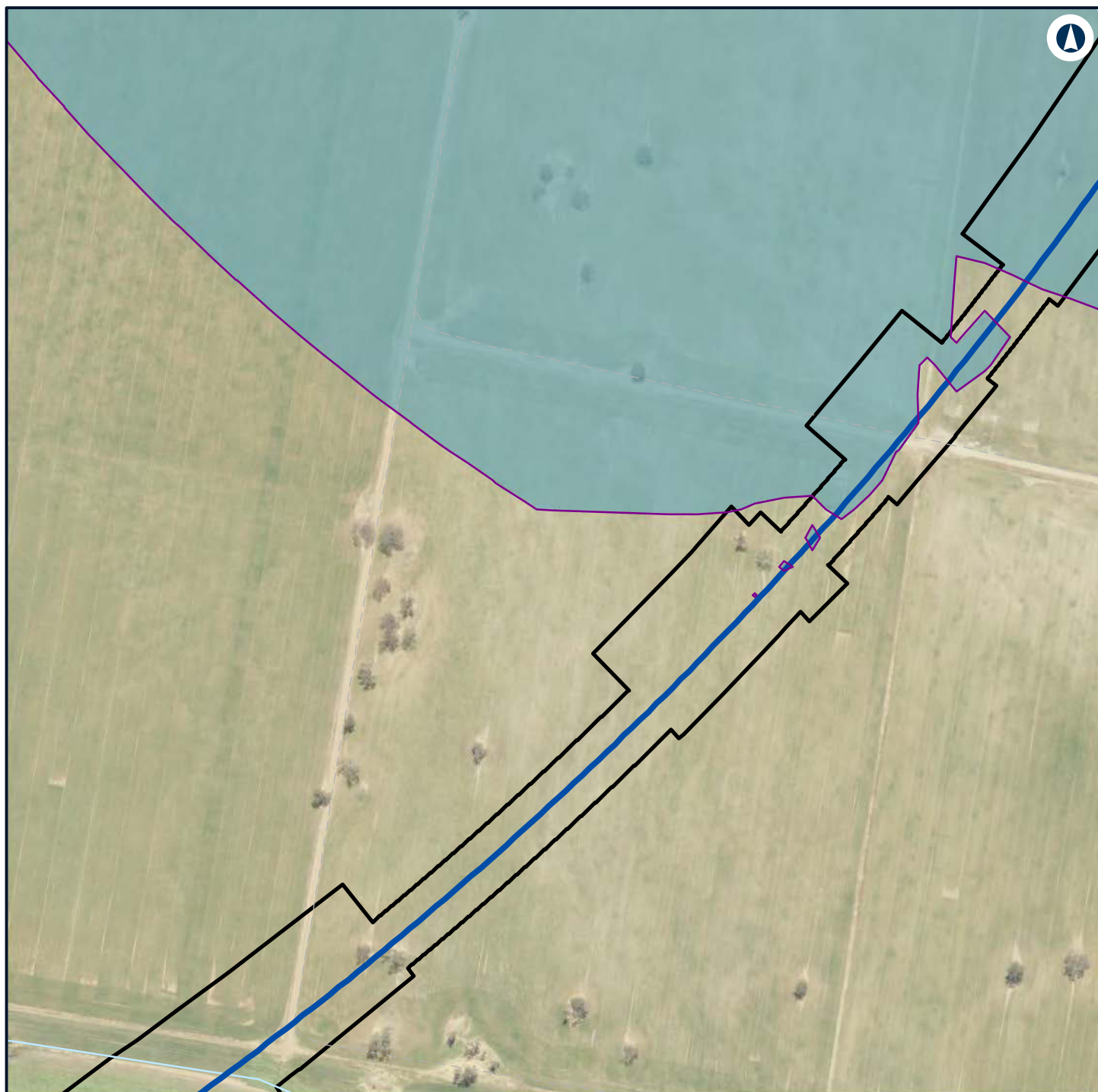
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
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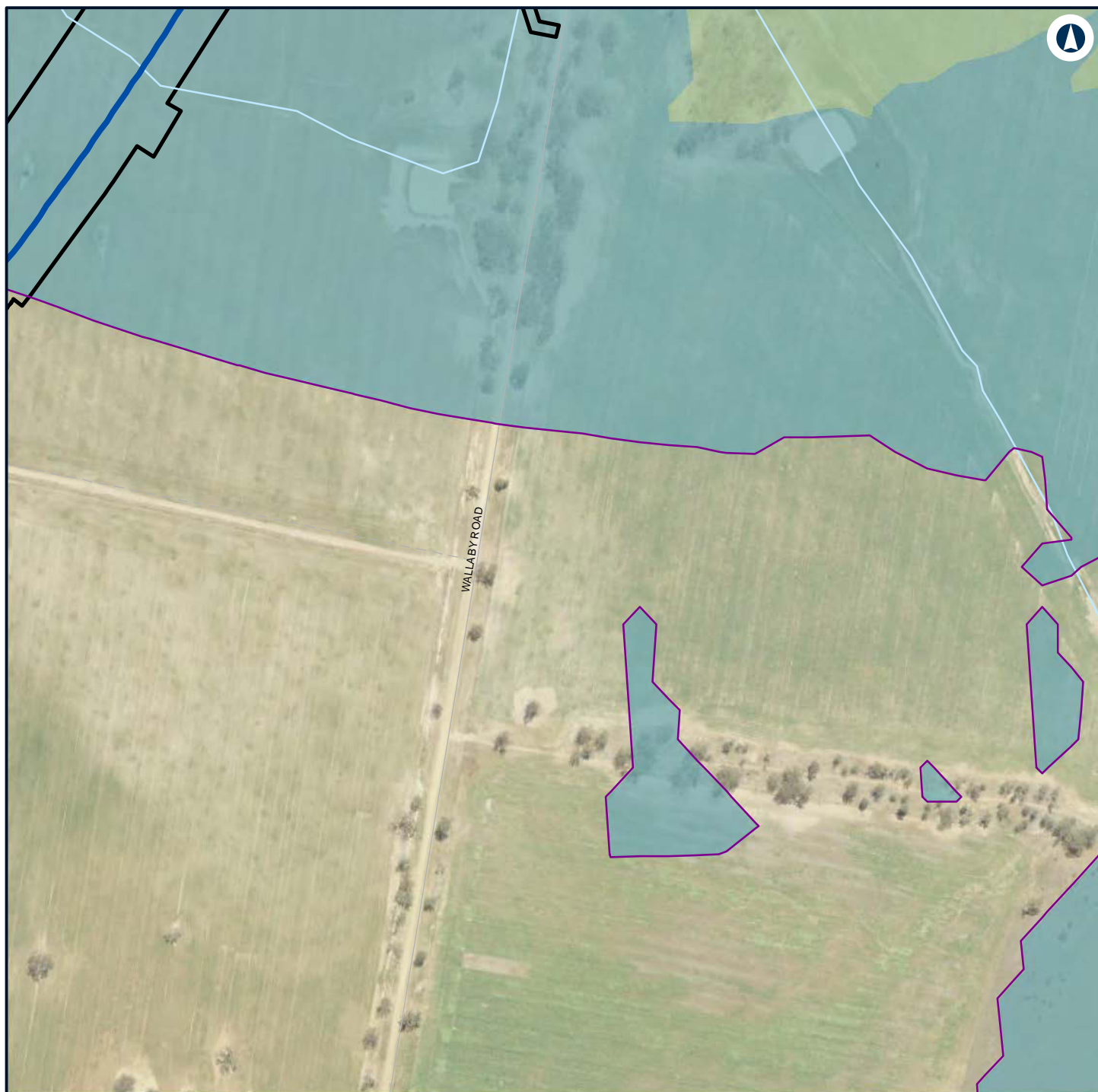
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
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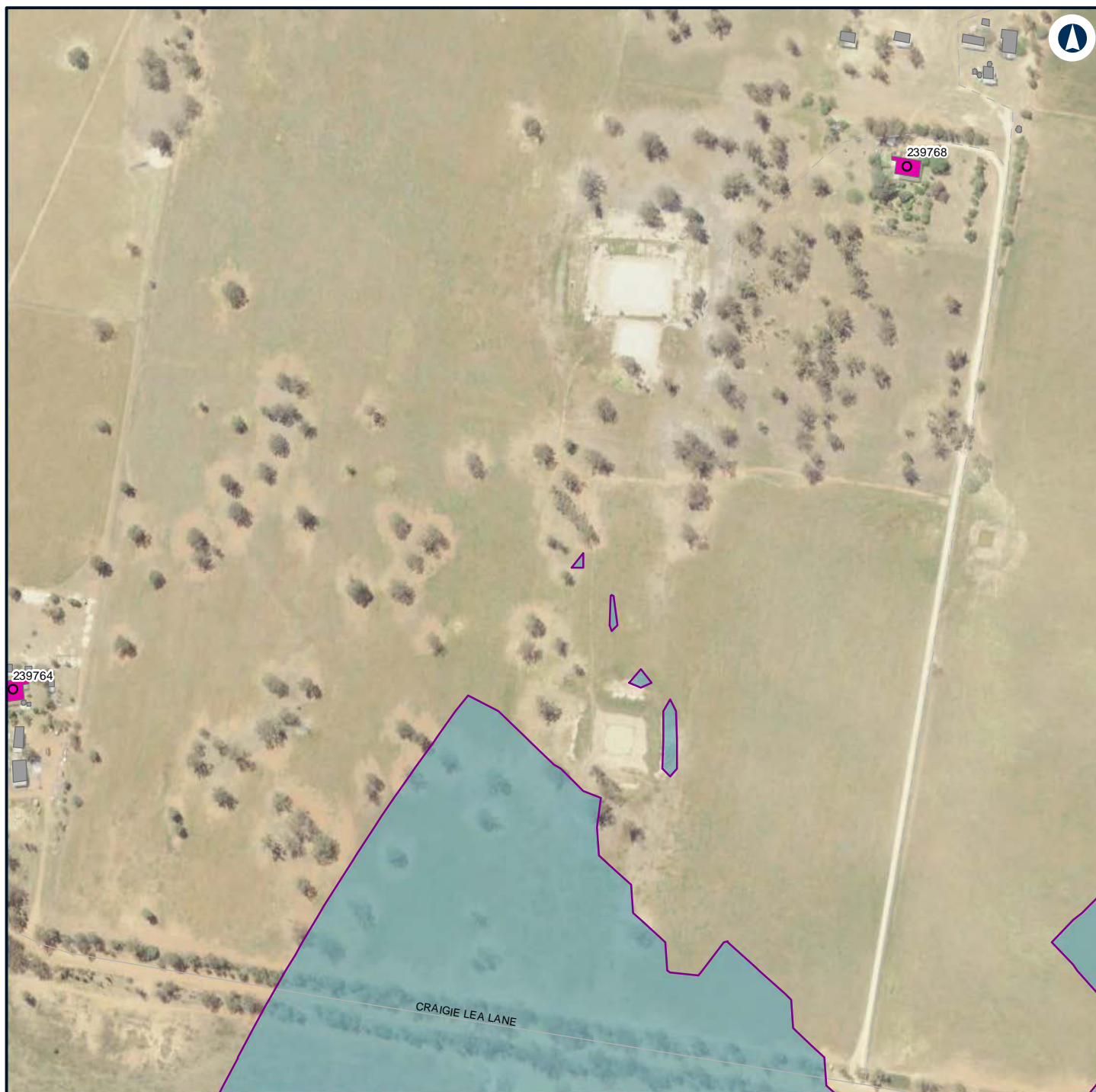
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

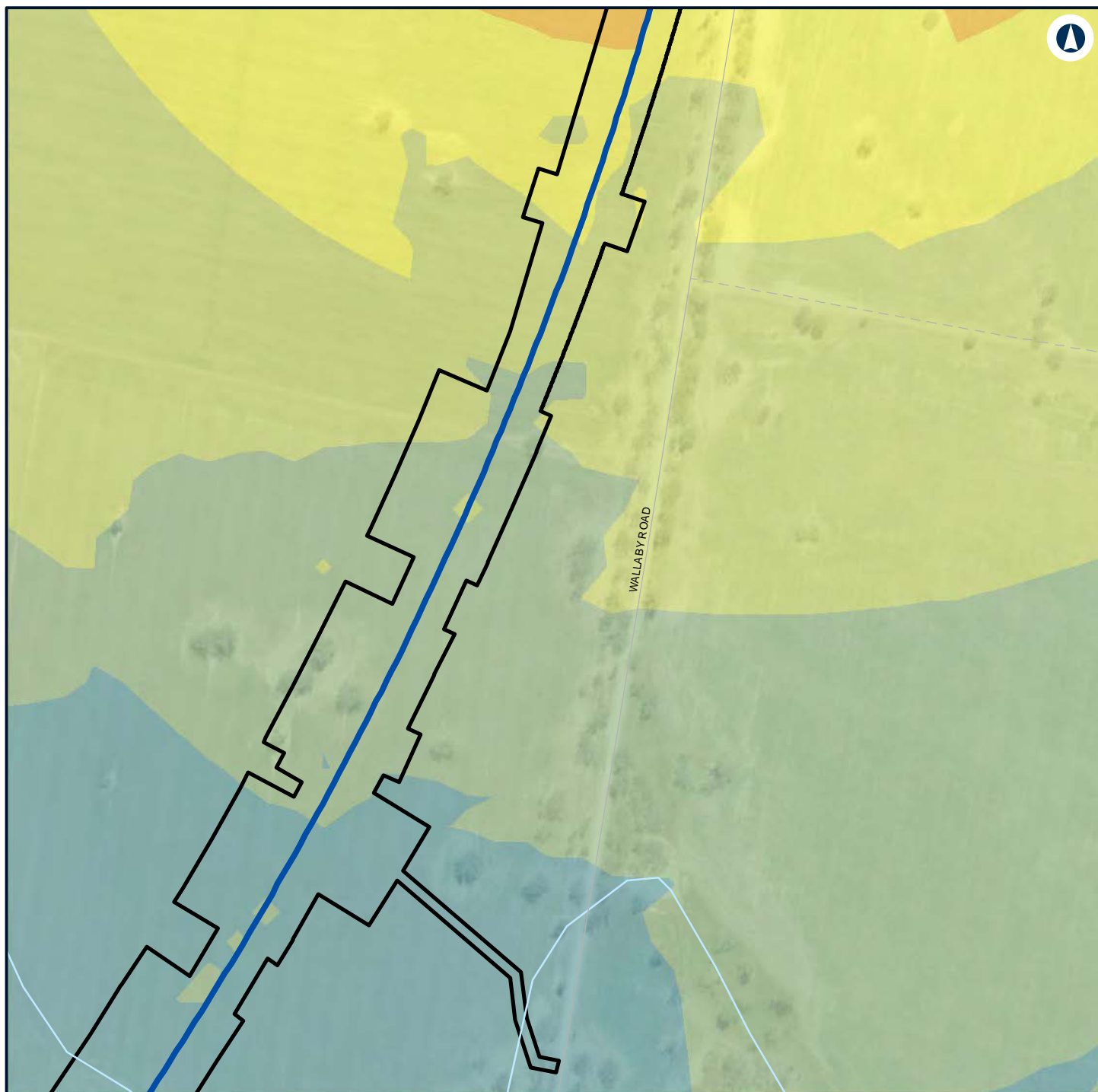
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

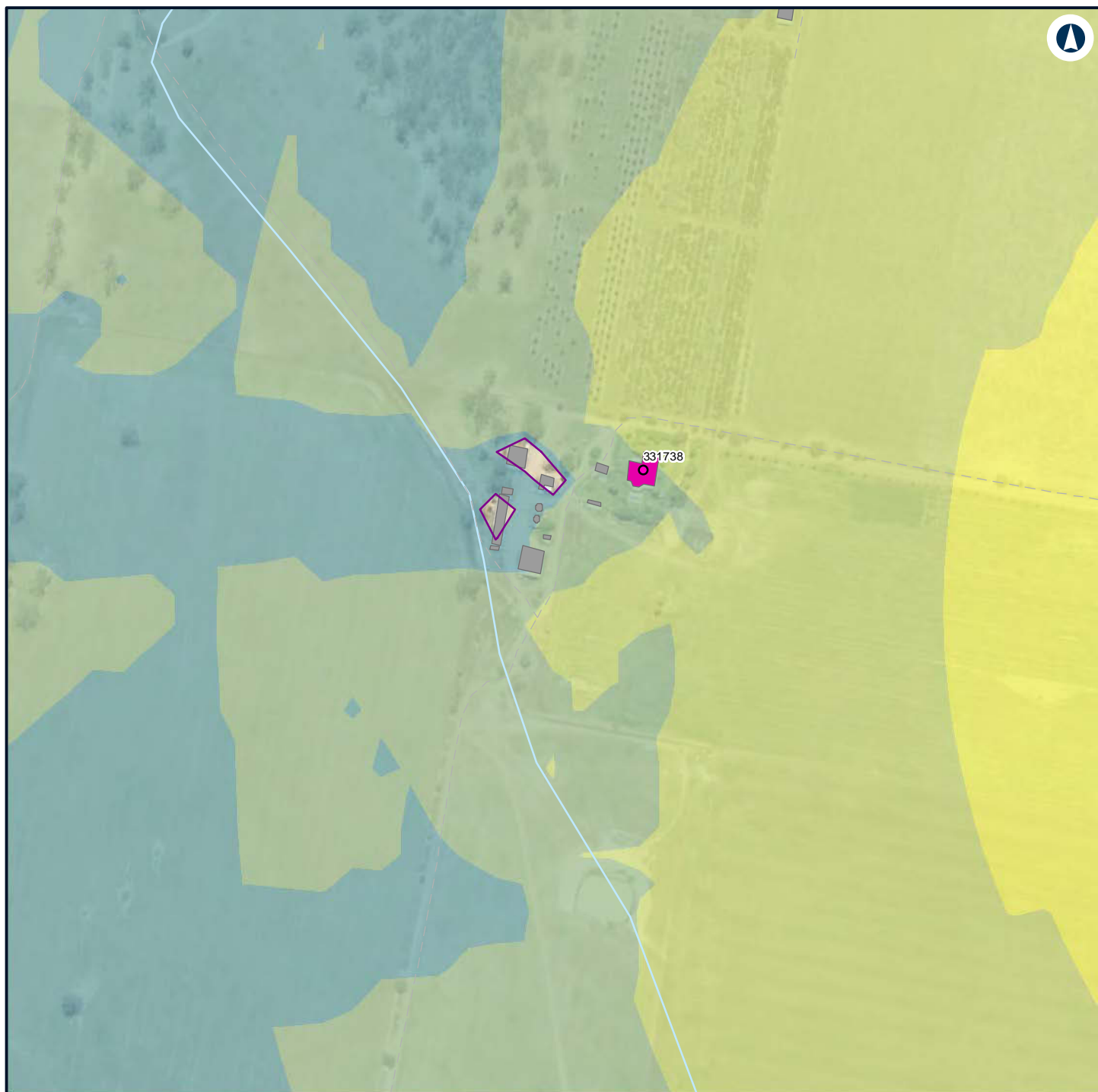
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



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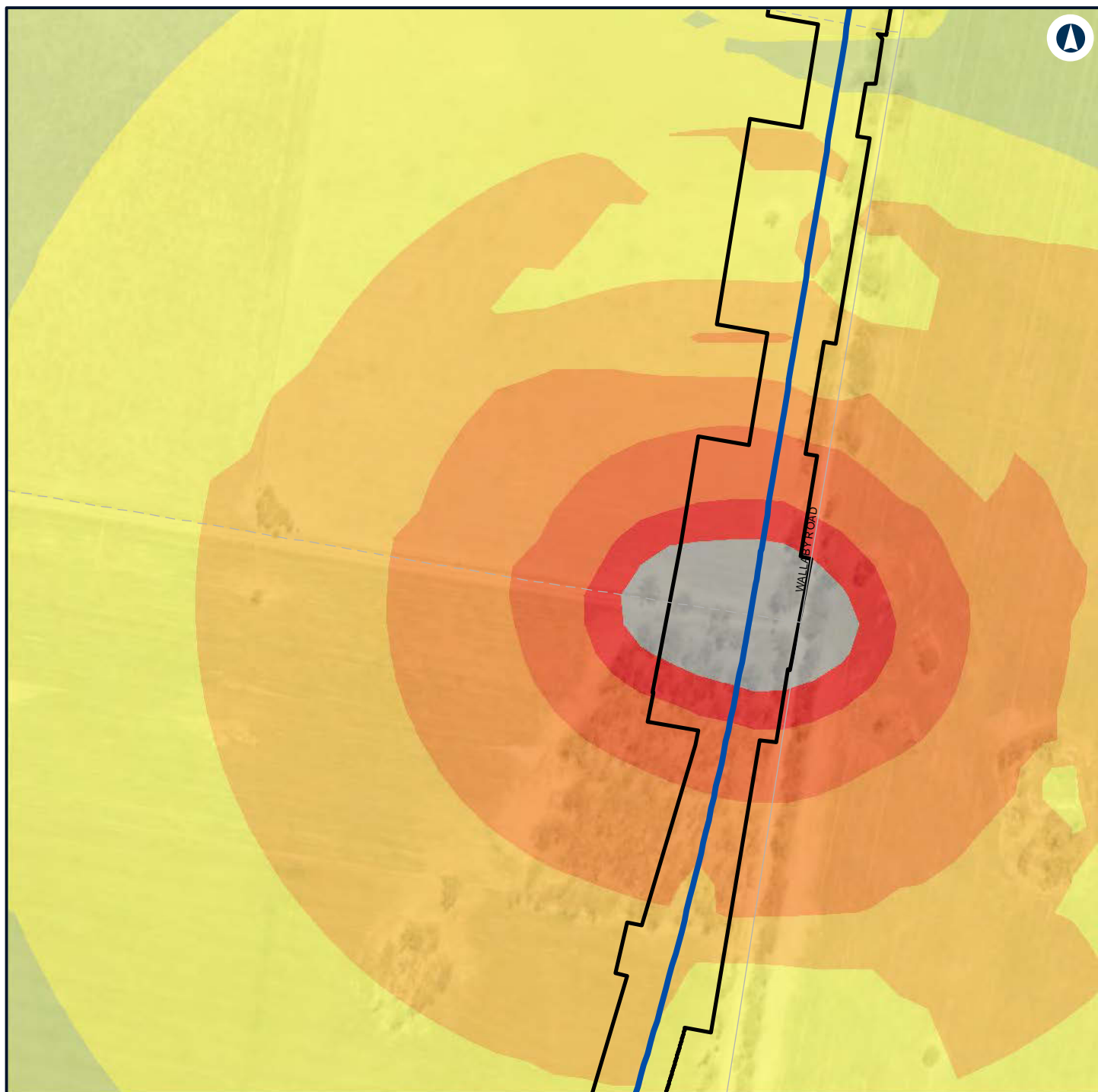
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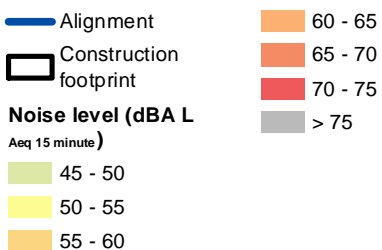
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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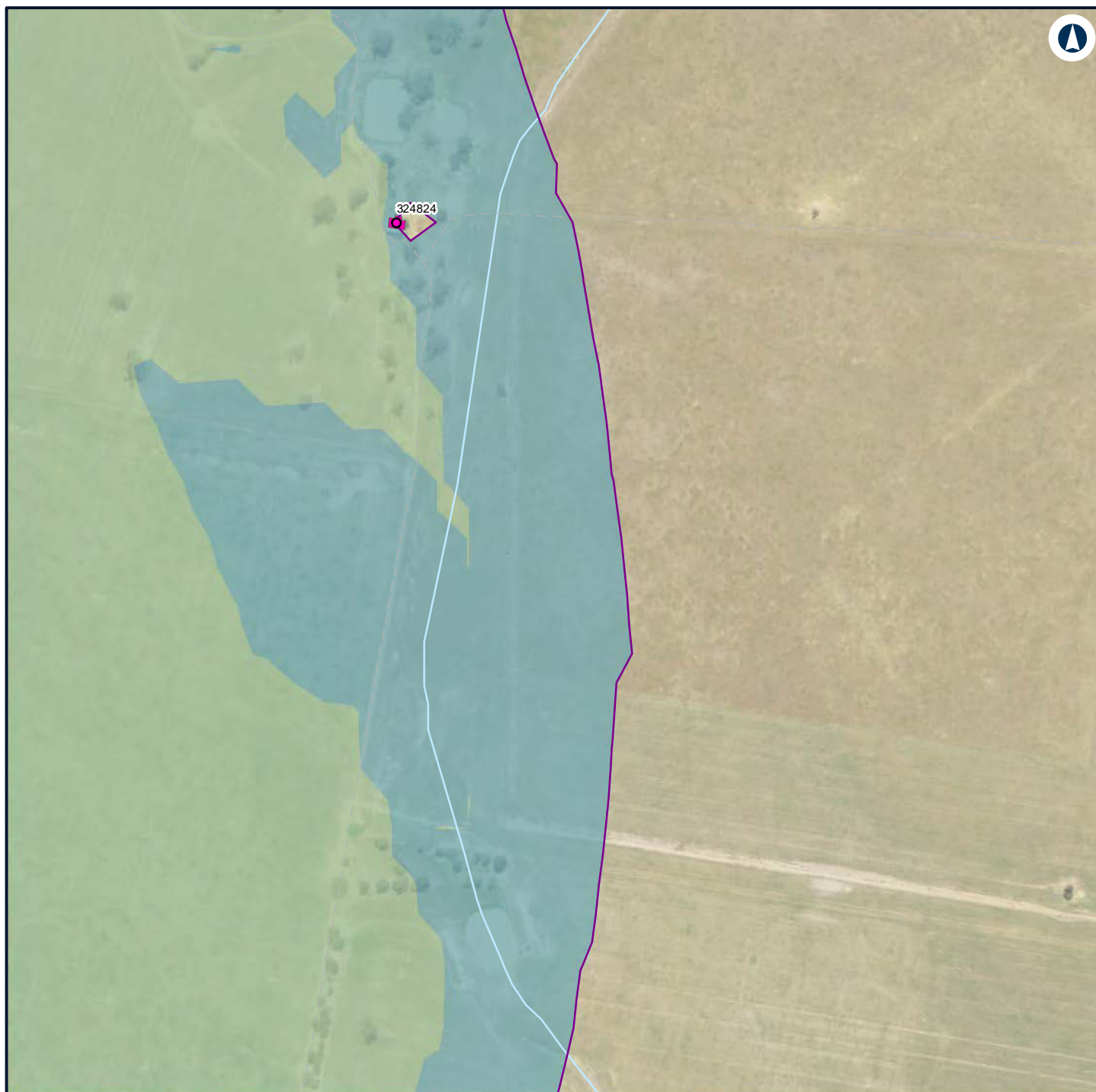
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LEGEND

Structure type

- Residential
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40



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Construction noise contours, Scenario ROAD03 - Road Earthworks

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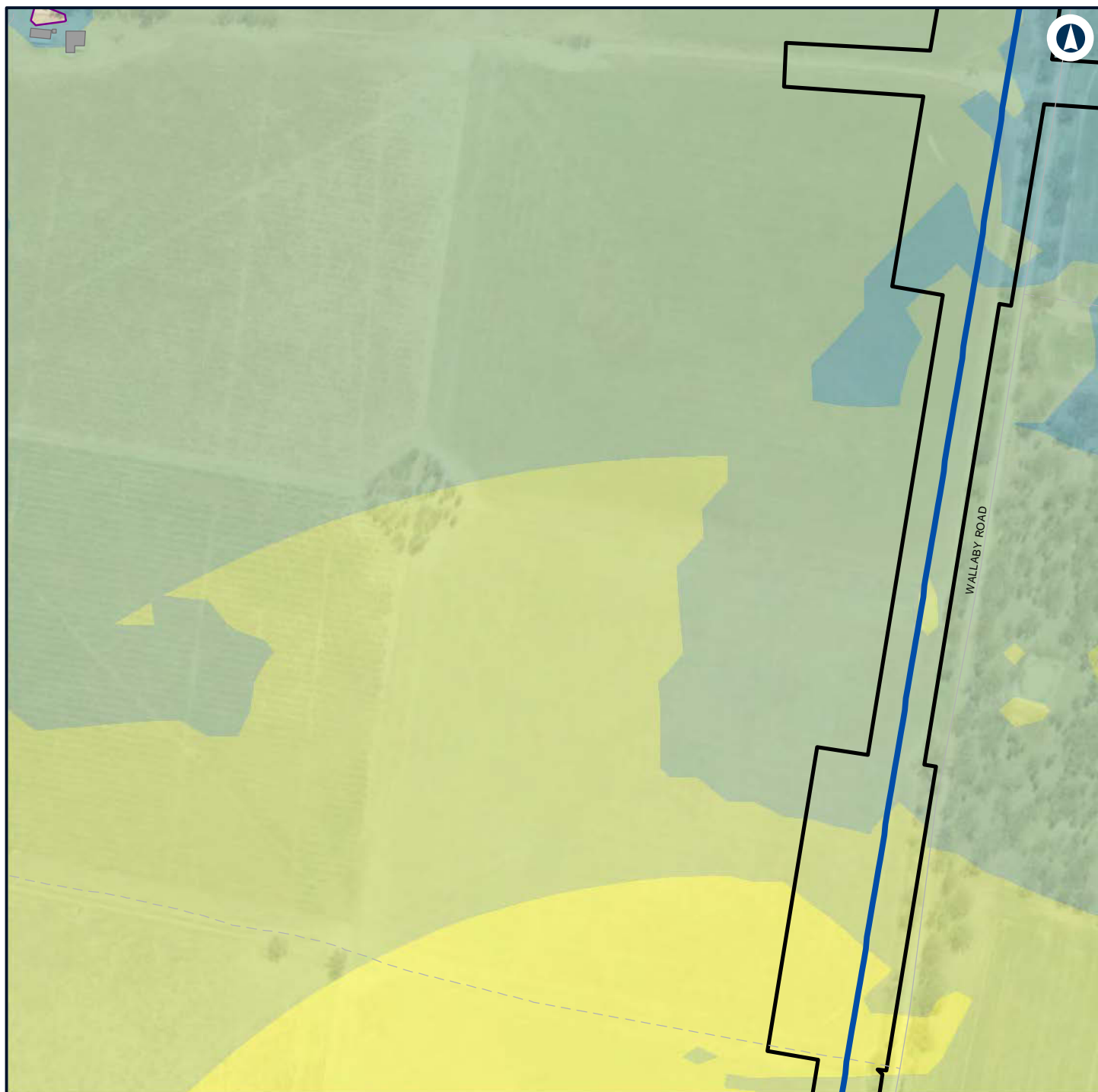
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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)	
	35 - 40
	40 - 45
	45 - 50
	50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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LEGEND

- Construction footprint
- Other
- Night-time noise management level
- 40 - 45
- 45 - 50
- 50 - 55

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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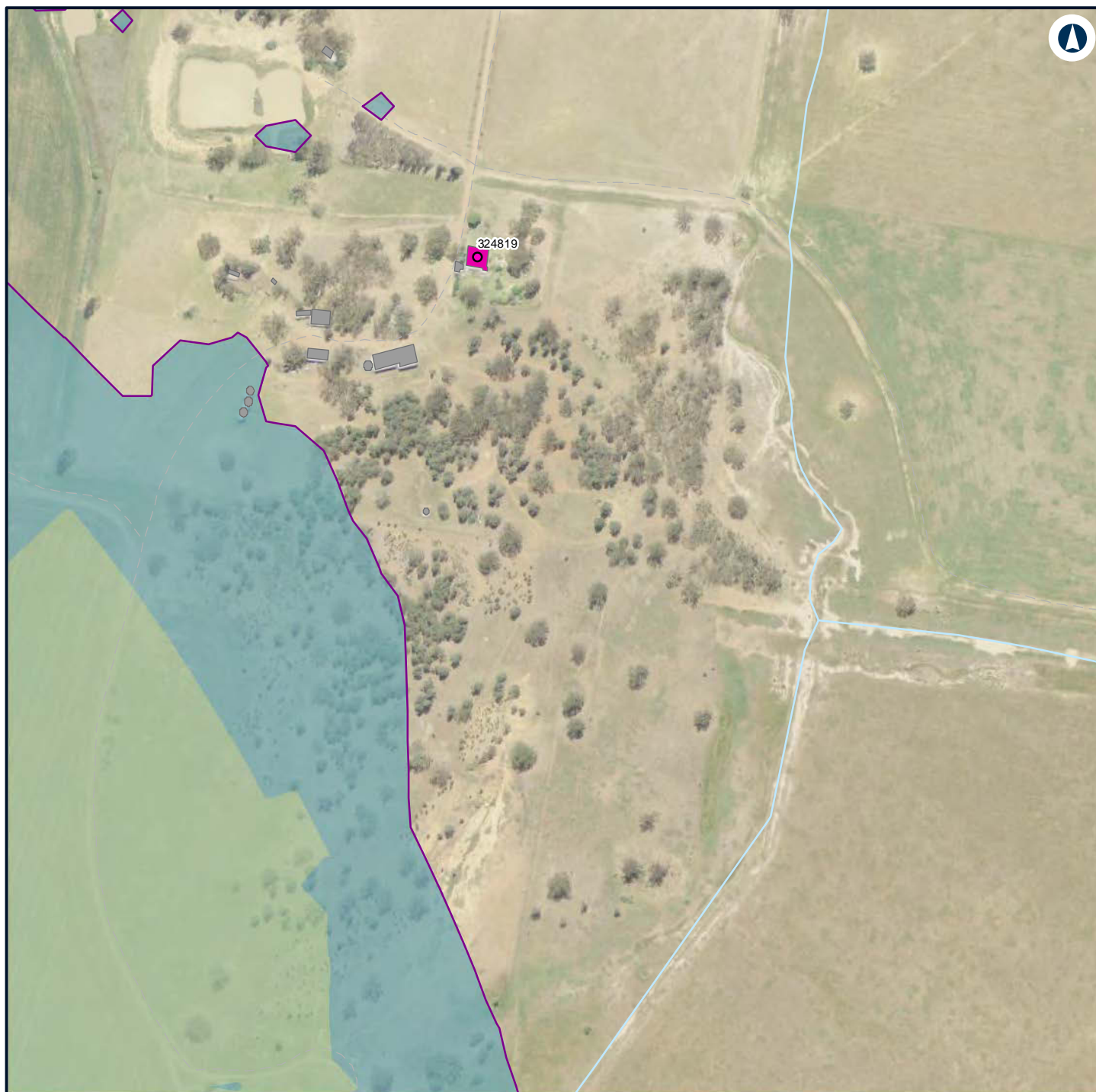
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 22/12/2021

Paper: A4

Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC) in partnership with the private sector.



LEGEND

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

- Aeq 15 minute)
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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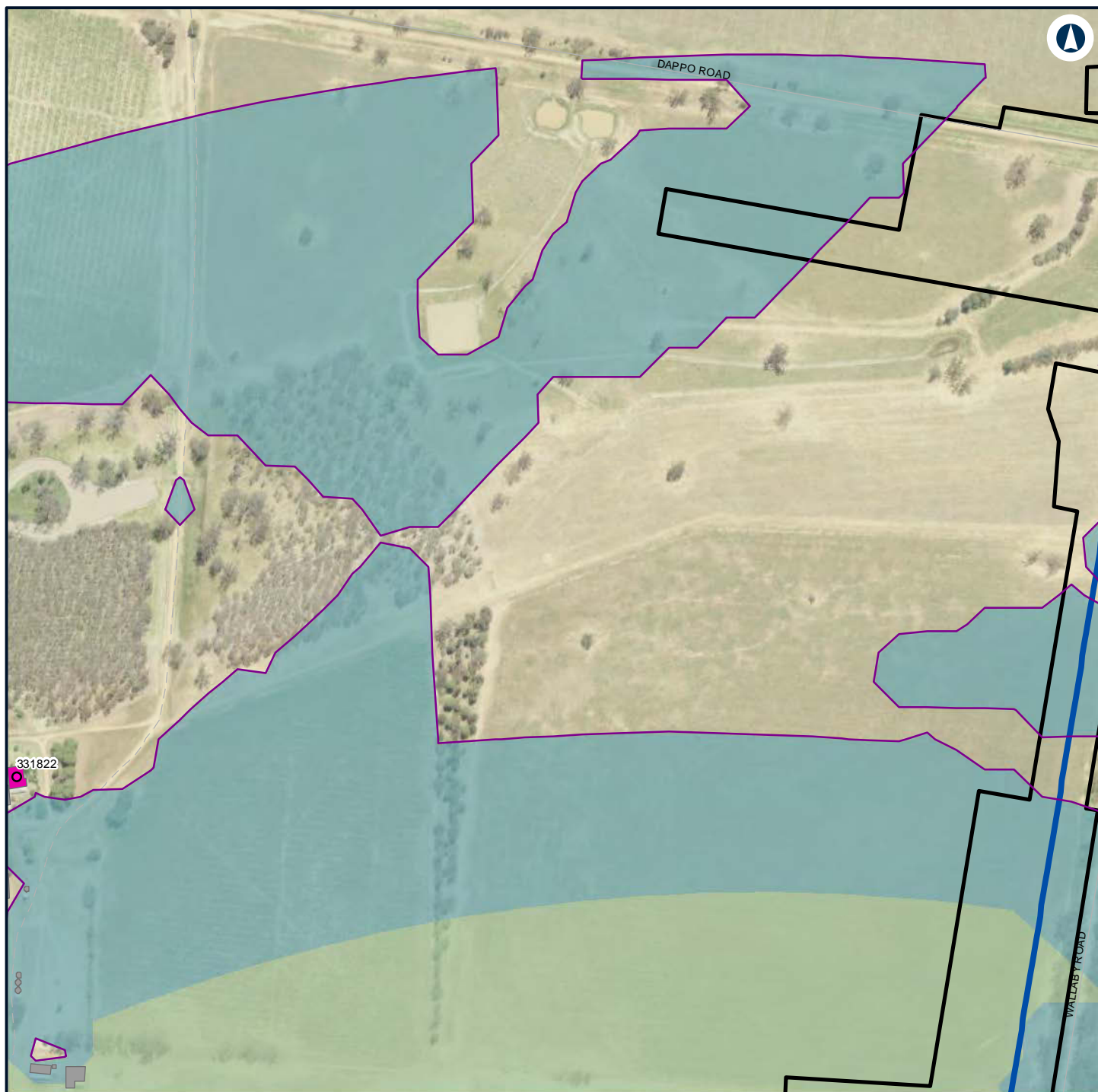
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LEGEND

- Alignment
- Construction footprint

Structure type

- Residential
- Other
- Residential

- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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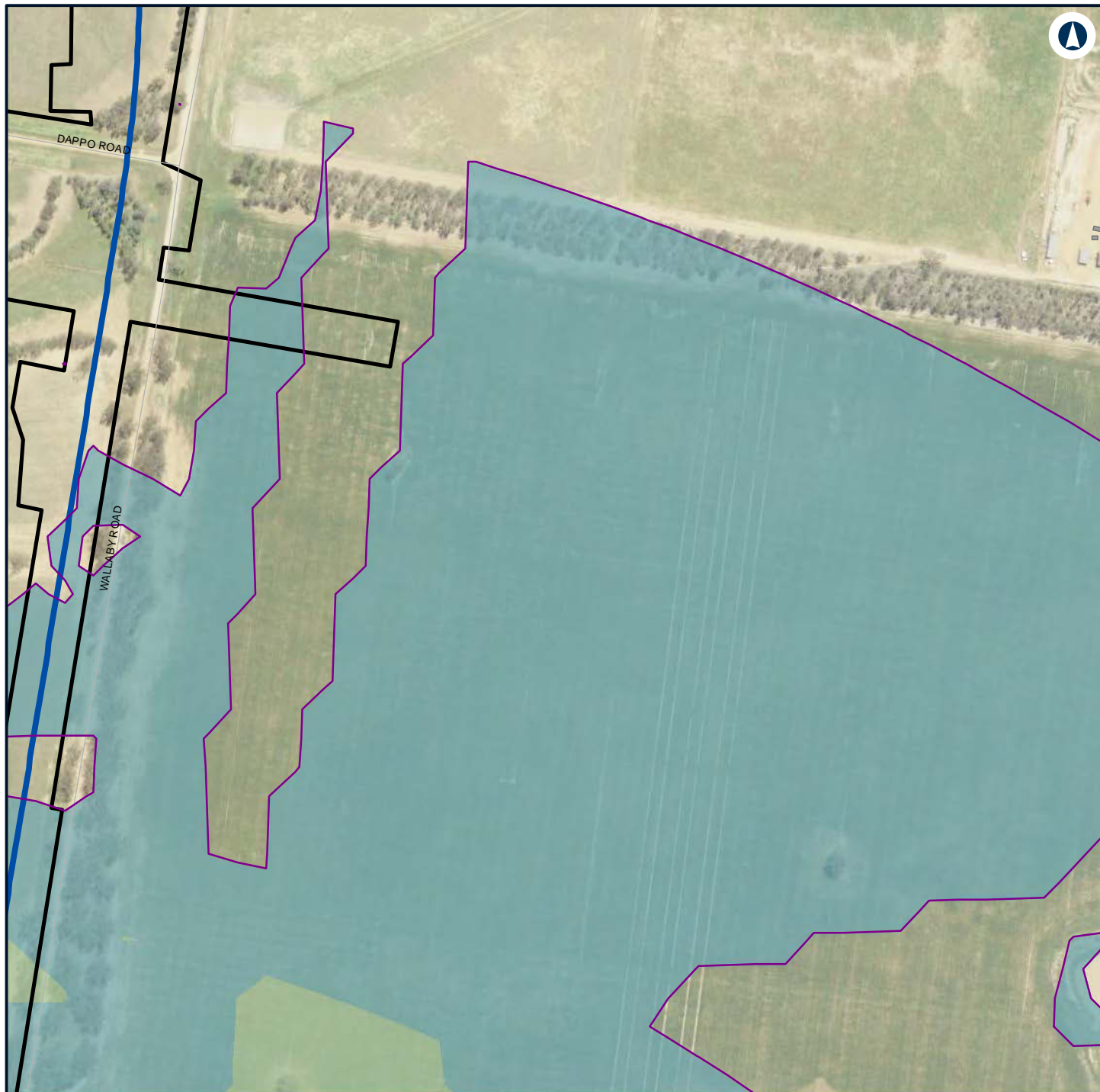
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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

**Noise level (dBA L
Aeq 15 minute)**

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

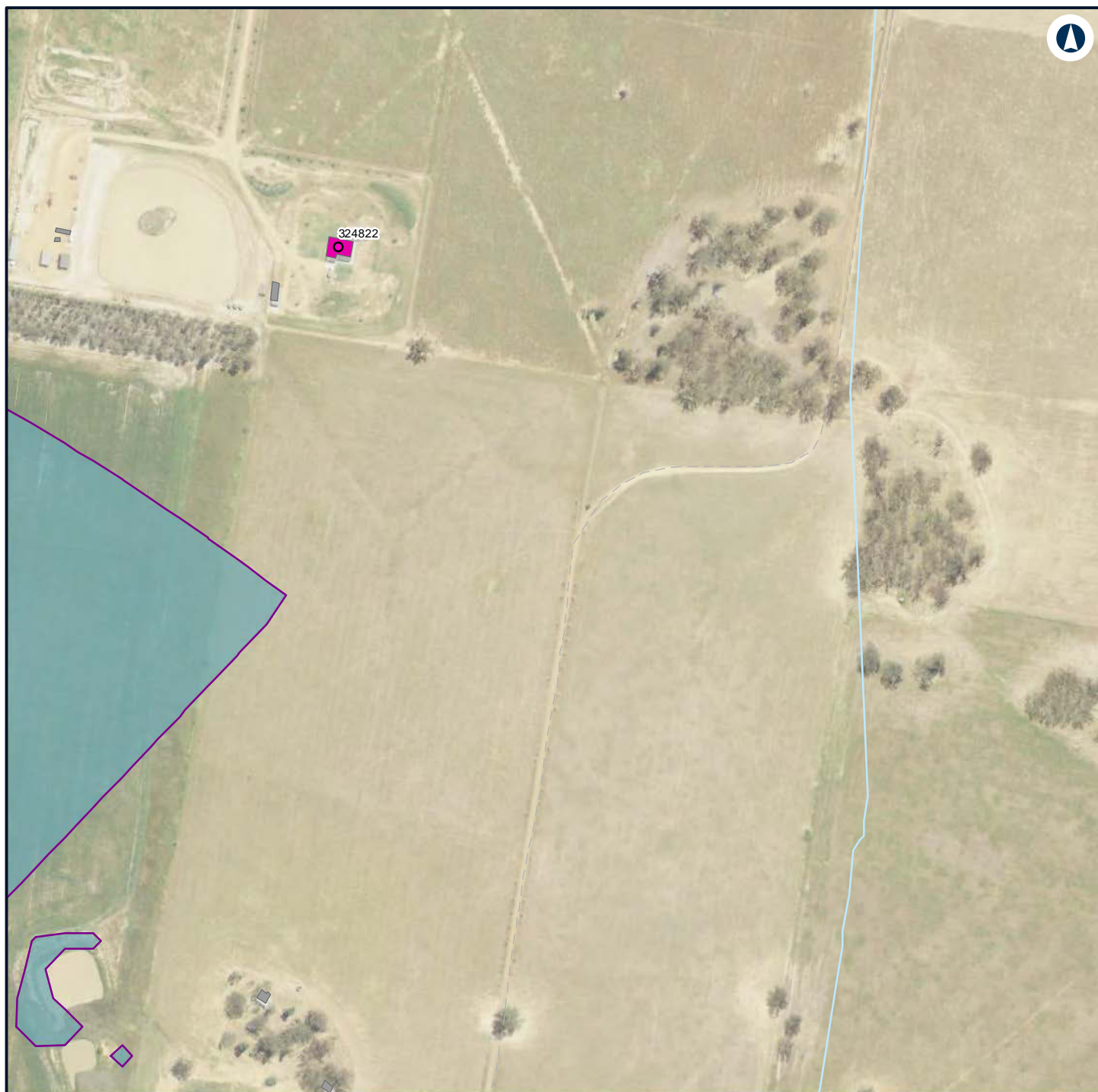
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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LEGEND

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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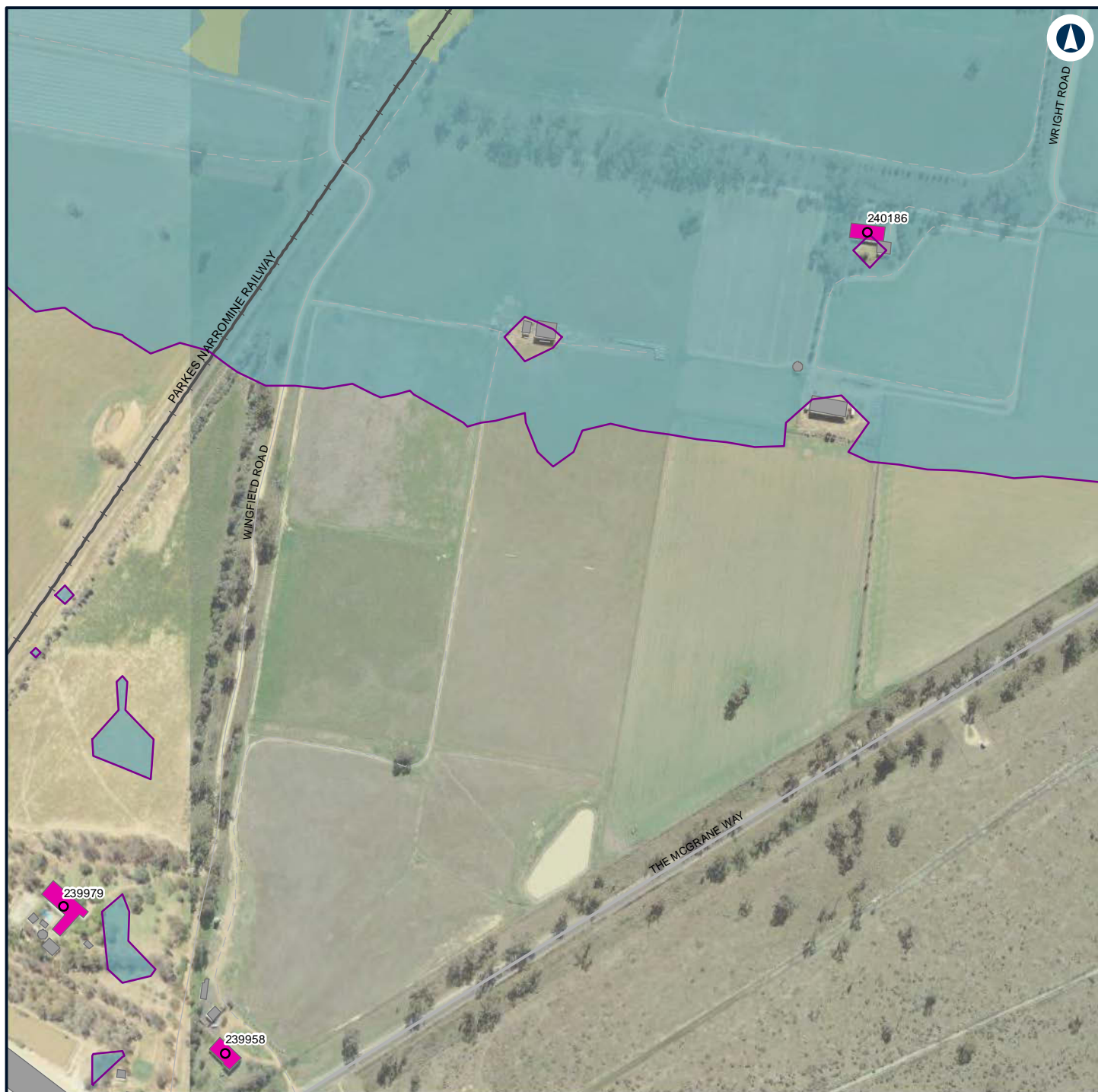
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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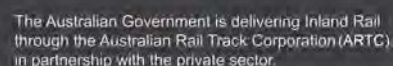
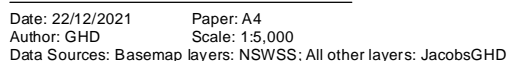
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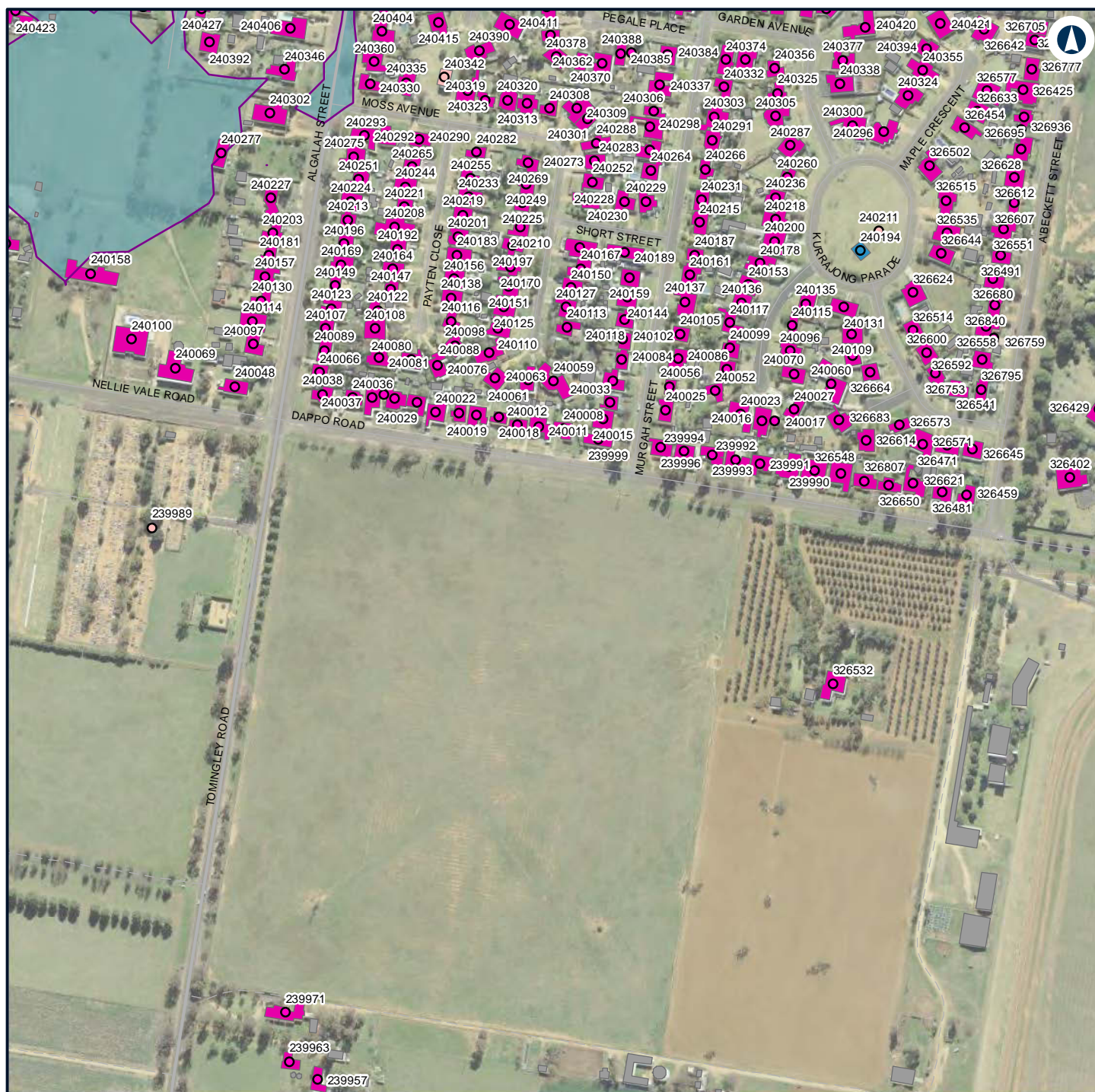
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LEGEND

- Structure type**
- Active recreation
 - Passive recreation
 - Residential
 - Active recreation
 - Other
 - Passive recreation
- Noise level (dBA L Aeq 15 minute)**
- 35 - 40
- Residential**
- Night-time noise management level



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2 Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 33 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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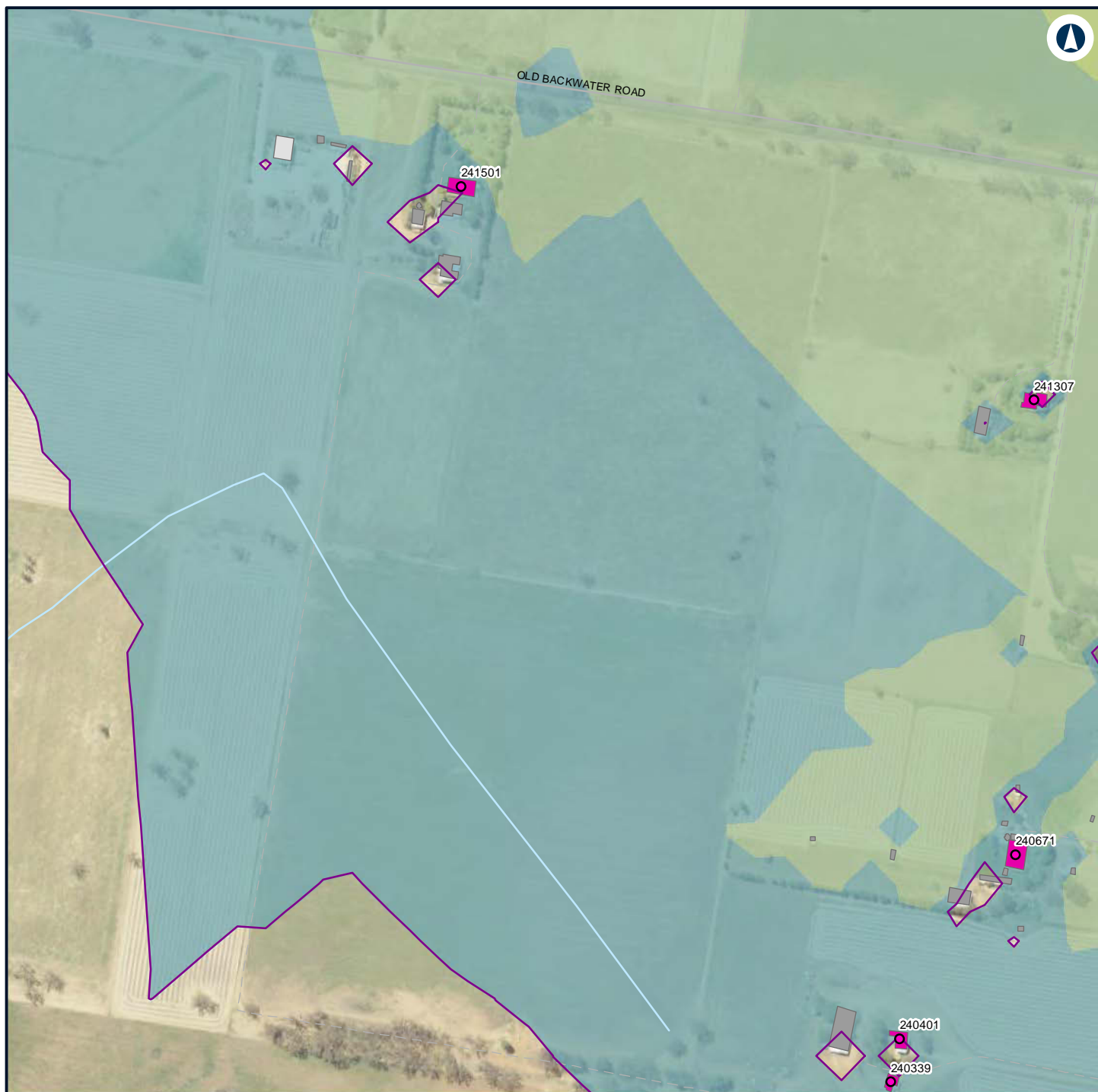
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LEGEND

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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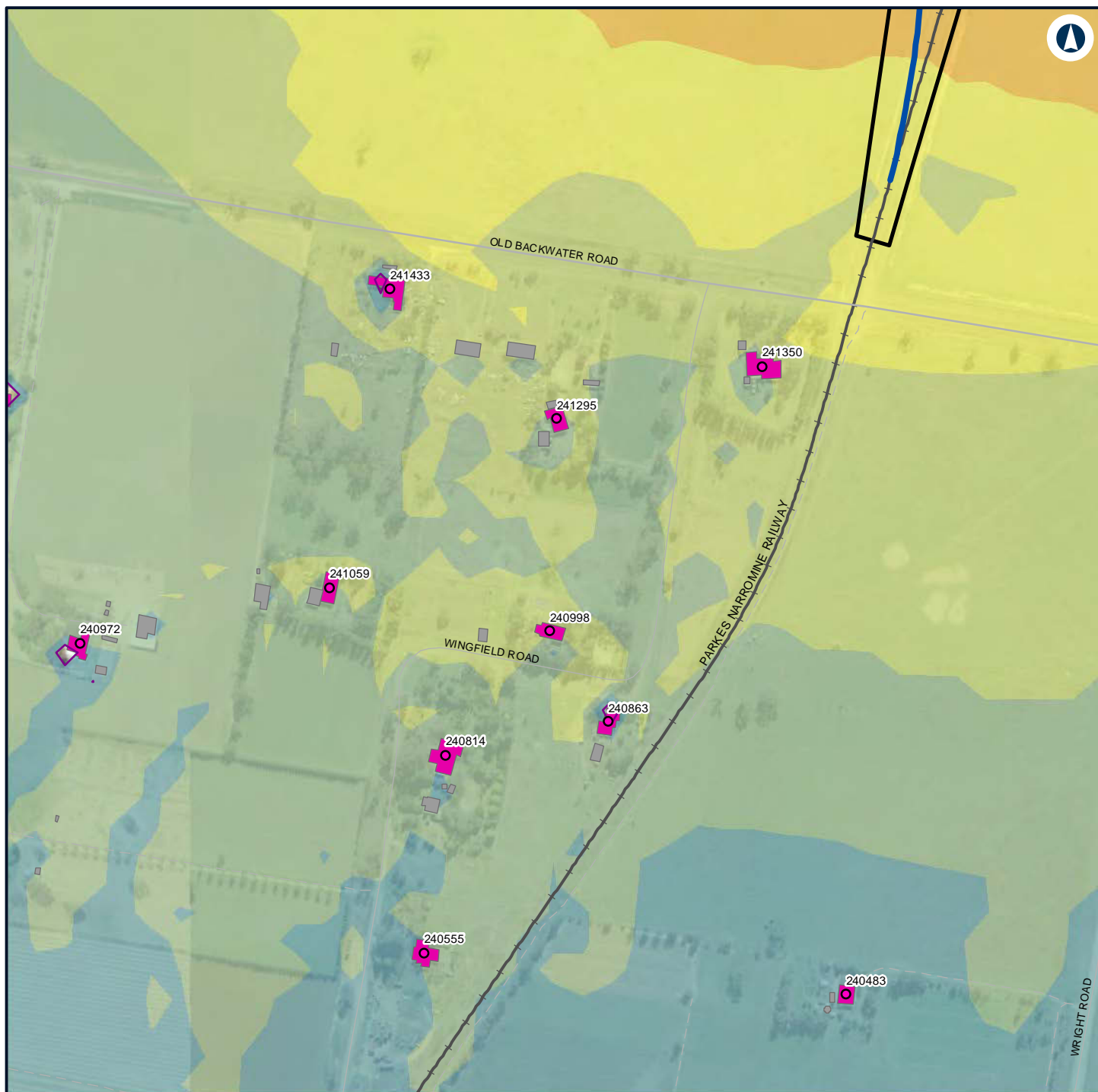
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LEGEND

Alignment
Construction footprint

Structure type

Residential
Other
Residential

Night-time noise management level

Noise level (dBA L) Aeq 15 minute)

35 - 40
40 - 45
45 - 50
50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 35 of 554

0 0.1 0.2
Km

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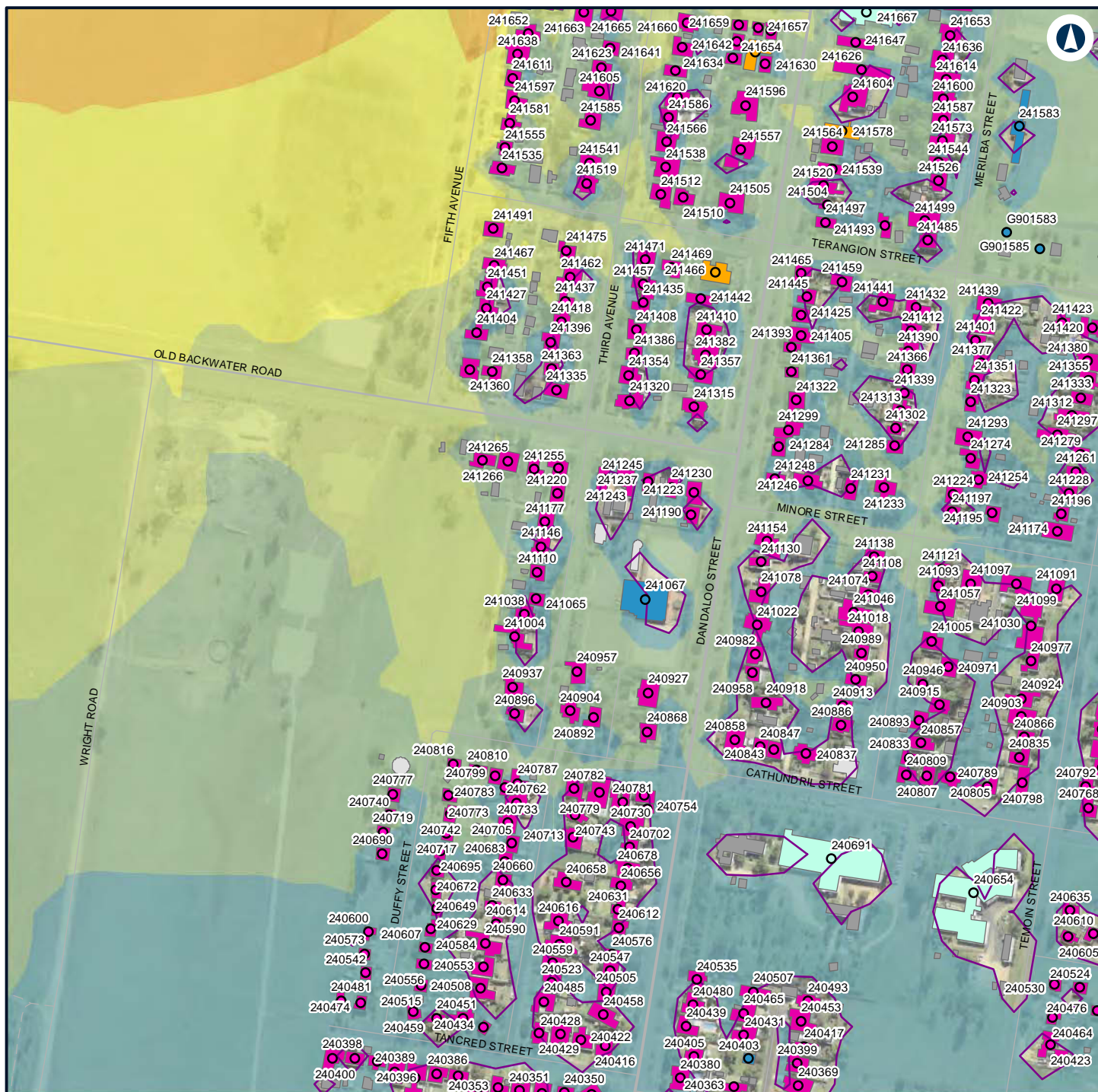
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LEGEND

Structure type

- Active recreation
- Health
- Residential
- Worship
- Active recreation

Commercial/
Industrial

Health

Other

Residential

Worship

Night-time noise
management level

Noise level (dBA L)

Aeq 15 minute

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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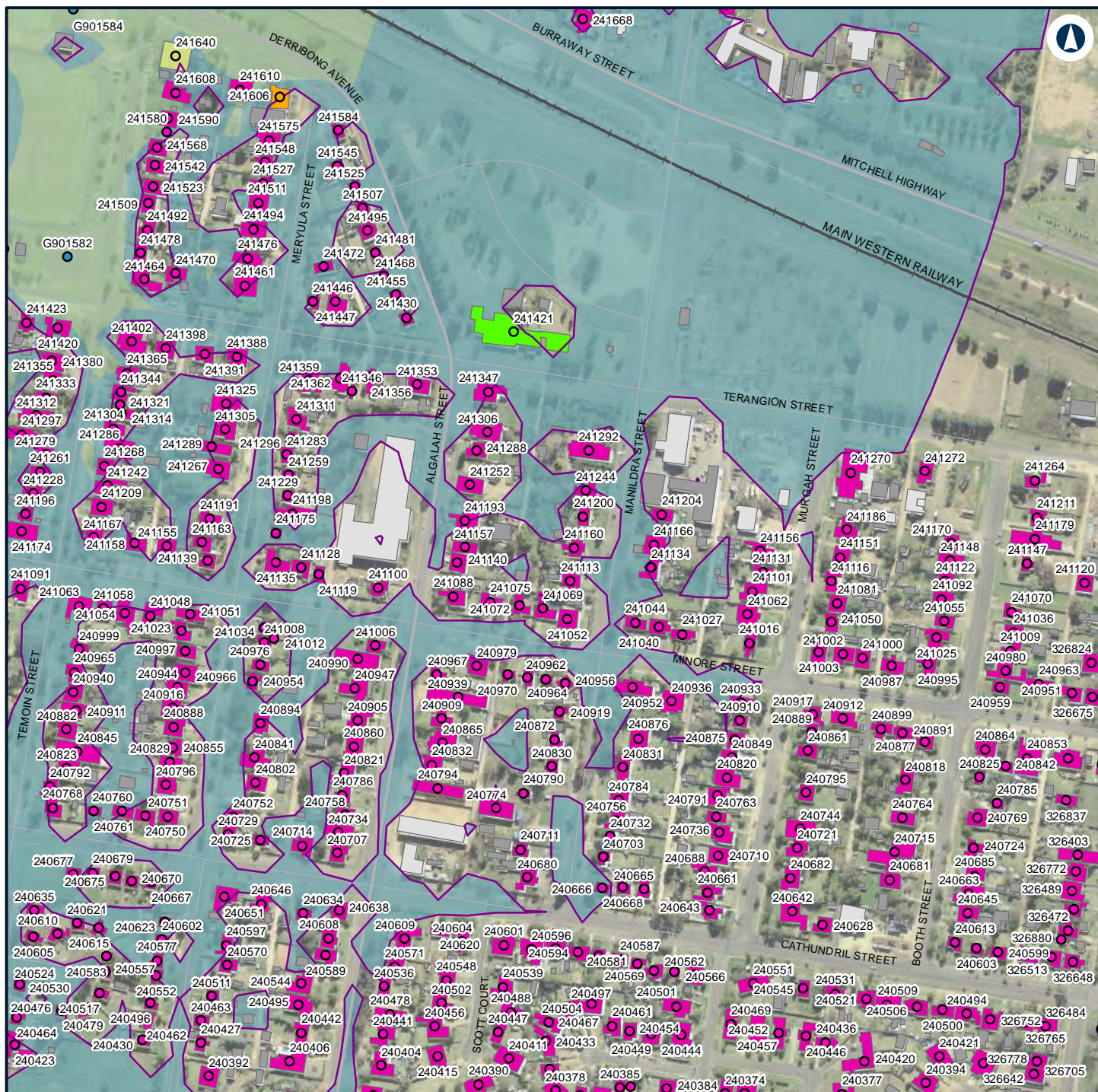
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LEGEND

Structure type

- Active recreation
- Child care facility
- Educational
- Residential
- Worship
- Child care facility
- Commercial/Industrial
- Educational
- Other
- Residential
- Worship
- Night-time noise management level

Noise level (dBA L)

- Aeq 15 minute
- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 37 of 554

0 0.1 0.2 Km

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LEGEND

Structure type

- Passive recreation
- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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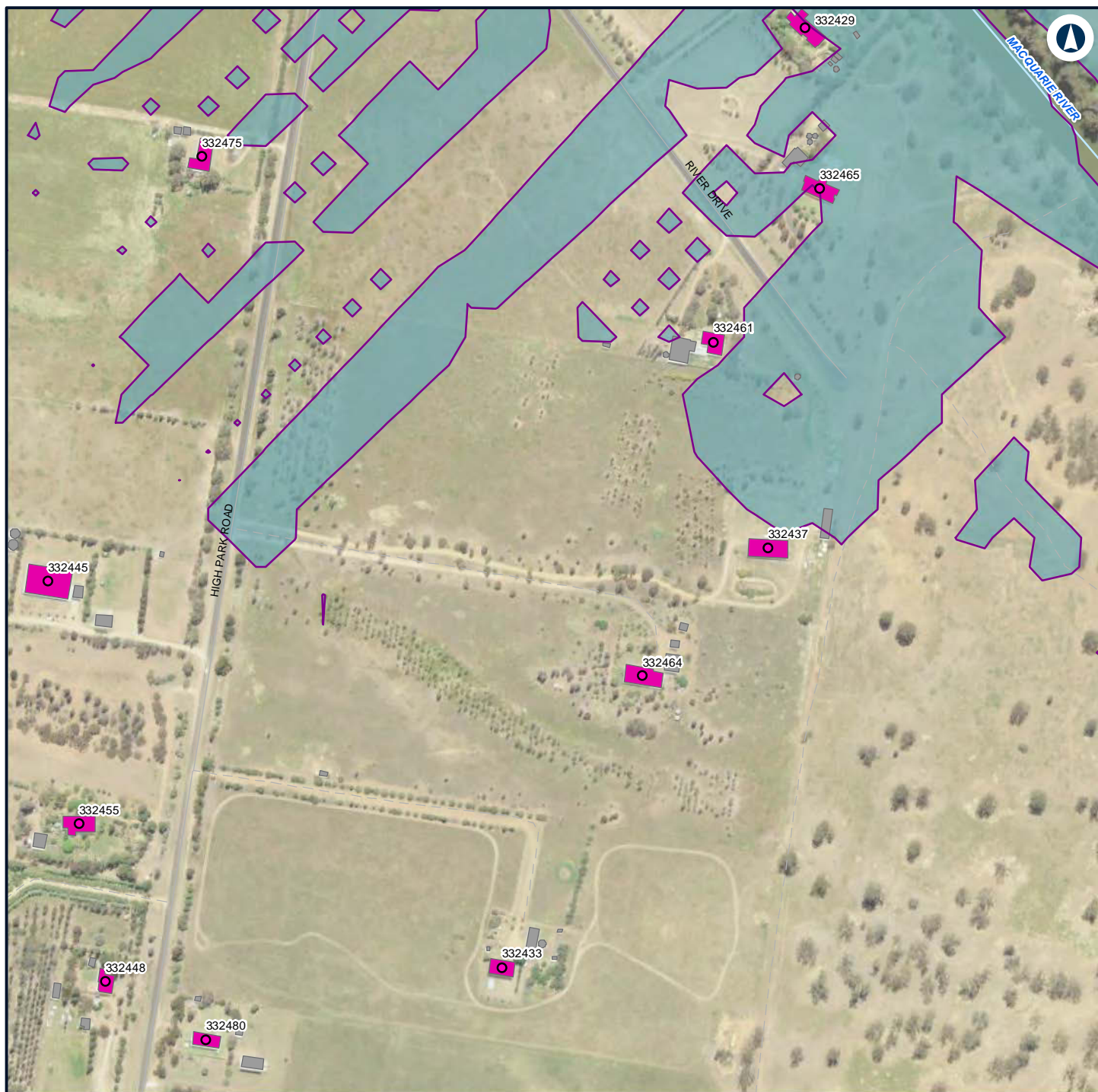
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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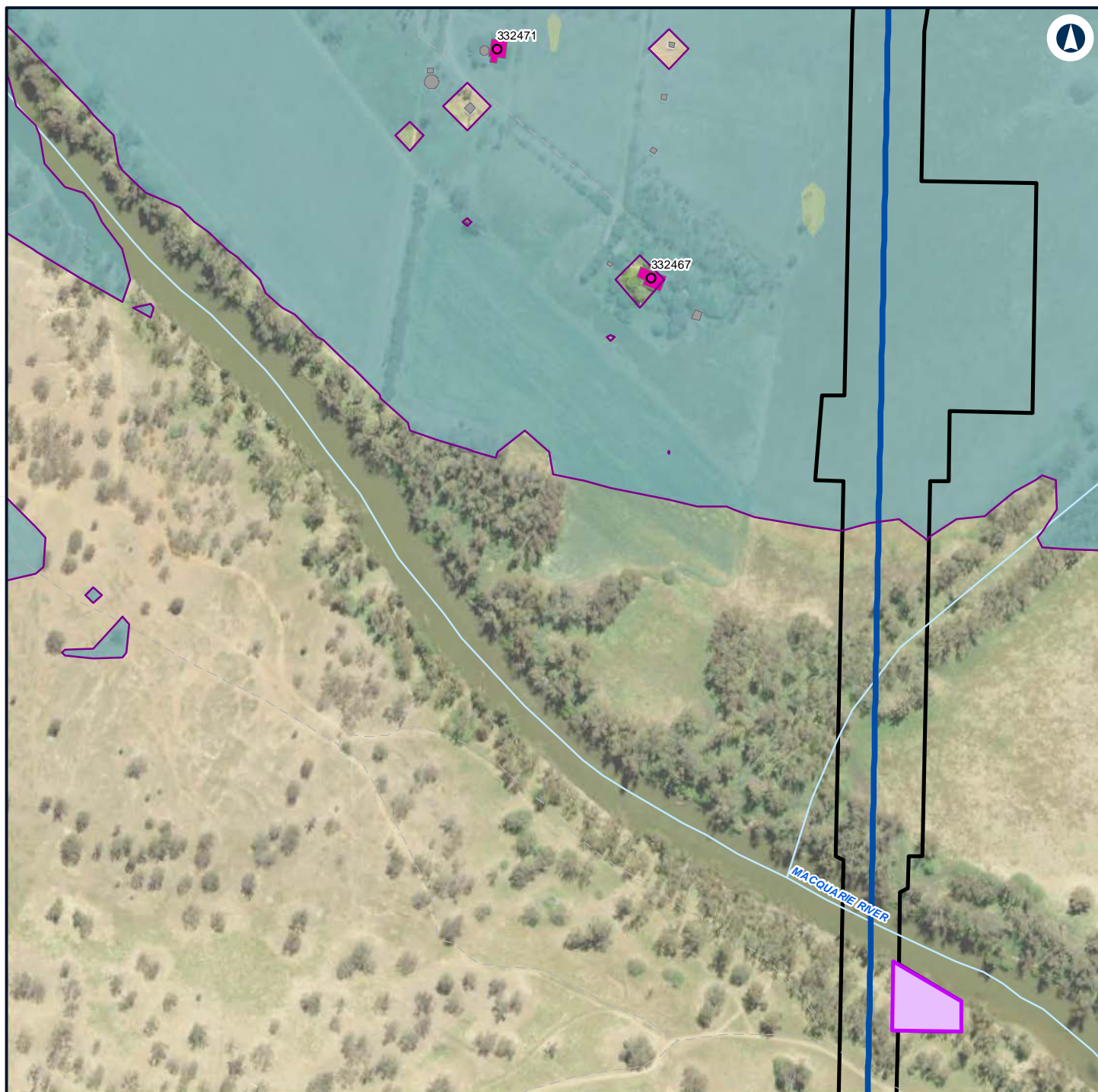
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LEGEND

- Alignment
- Construction footprint
- Structure type**
 - Residential
 - Other
 - Residential
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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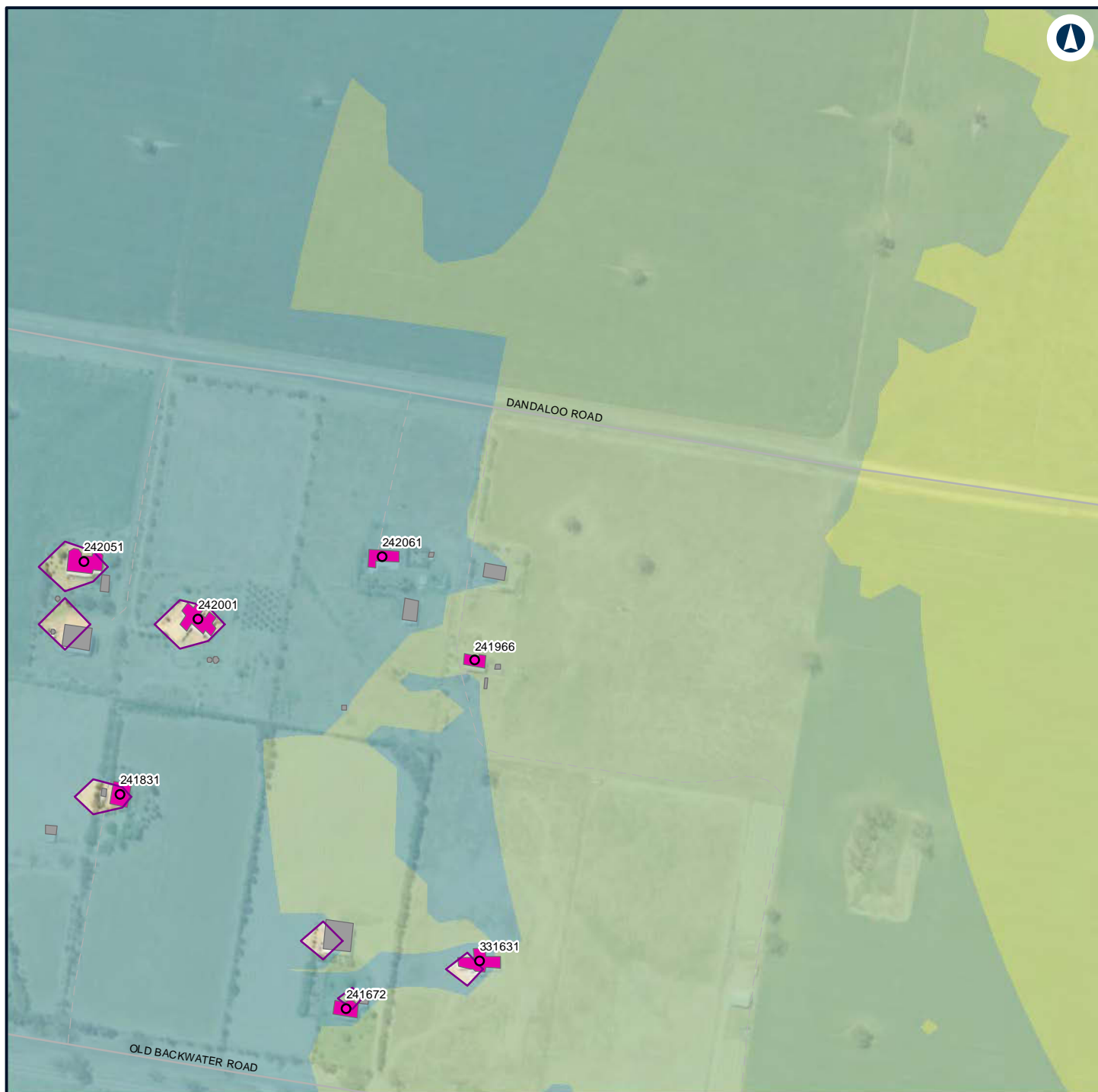
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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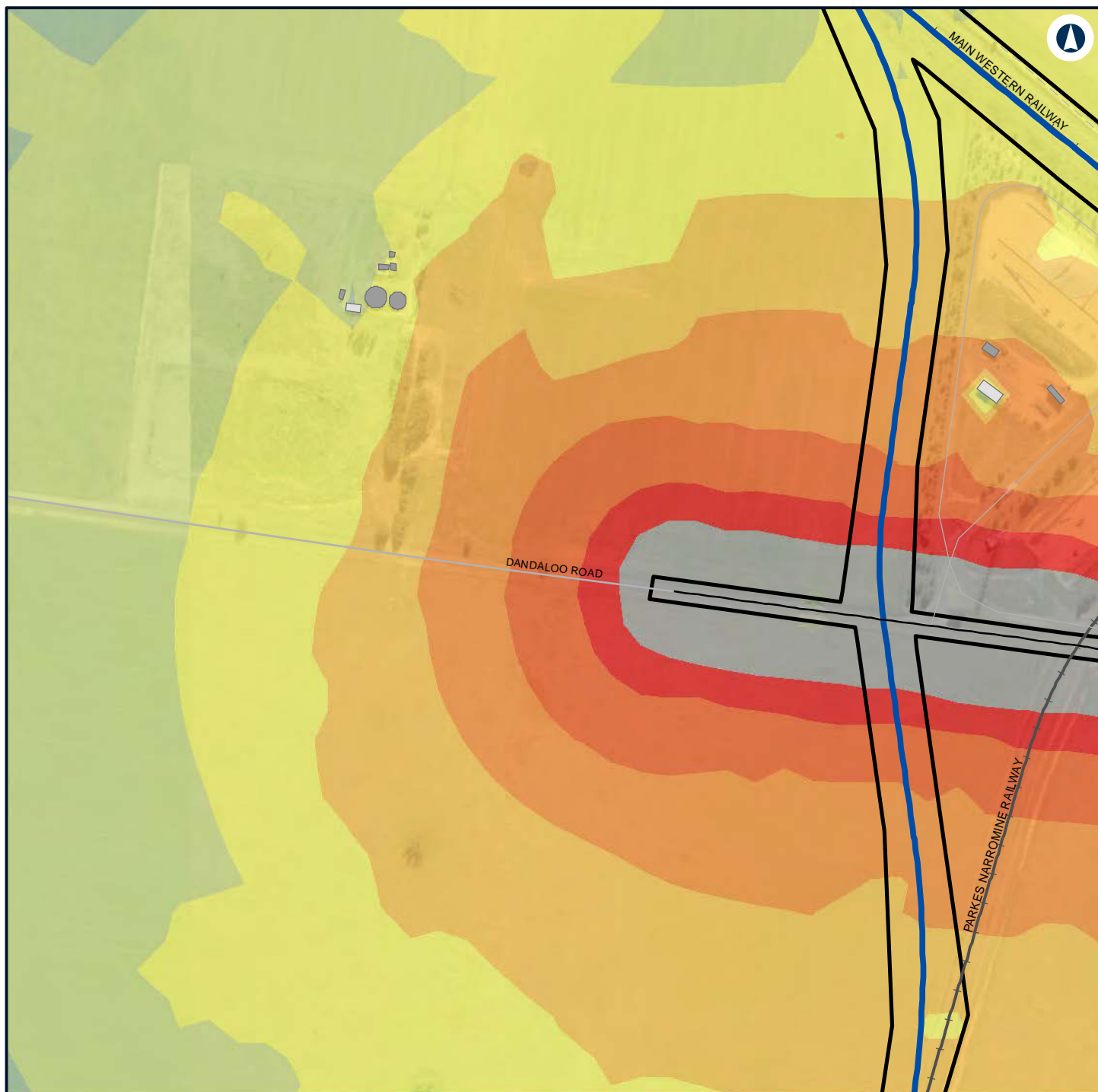
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LEGEND

	Alignment		65 - 70
	Road design string		70 - 75
	Construction footprint		> 75
	Commercial/Industrial		
	Other		
	Noise level (dBA L Aeq 15 minute)		
			40 - 45
			45 - 50
			50 - 55
			55 - 60
			60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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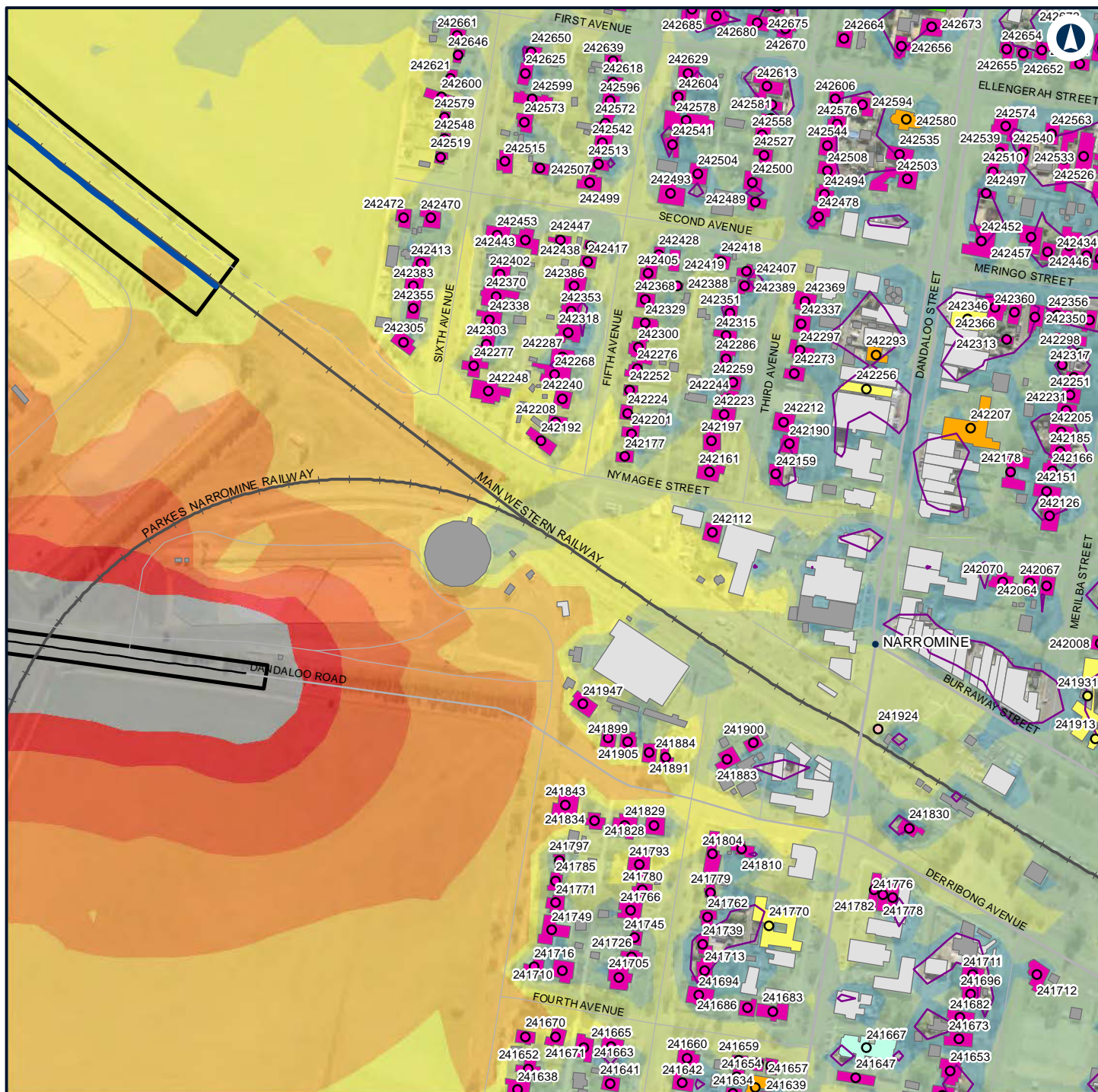
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LEGEND

Alignment	Residential	Health	Noise level (dBA L	60 - 65
Road design string	Worship	Other	Aeq 15 minute)	65 - 70
Construction footprint	Commercial/Industrial	Passive recreation	35 - 40	70 - 75
Structure type	Community	Residential	40 - 45	> 75
Community	Educational	Worship	45 - 50	
Health		Night-time noise management level	50 - 55	
			55 - 60	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

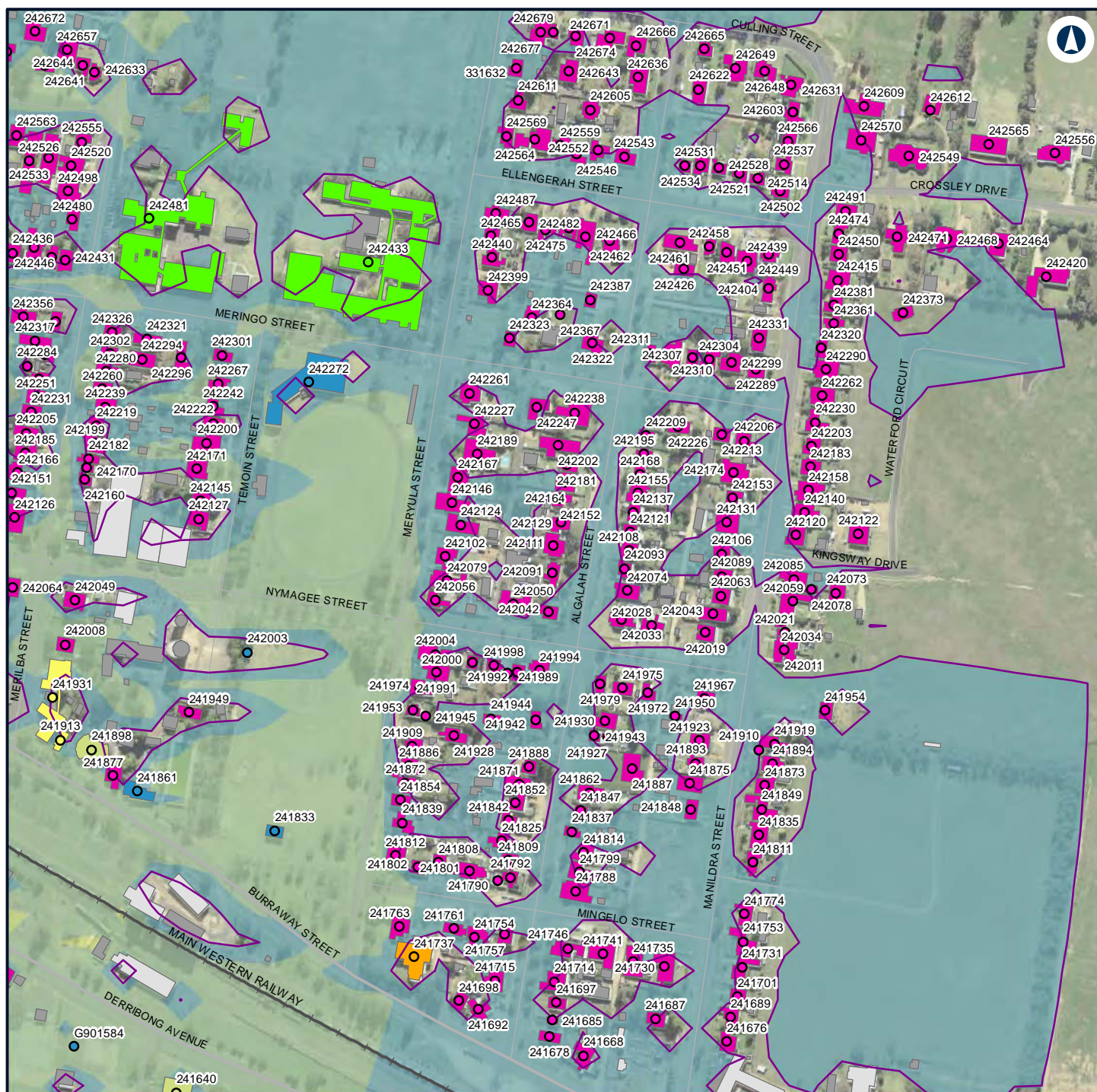
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Author: GHD Scale: 1:5,000
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type

- Active recreation
- Child care facility
- Community
- Educational
- Residential
- Worship
- Active recreation
- Child care facility
- Commercial/Industrial
- Community
- Educational
- Other
- Residential
- Worship
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2 Km

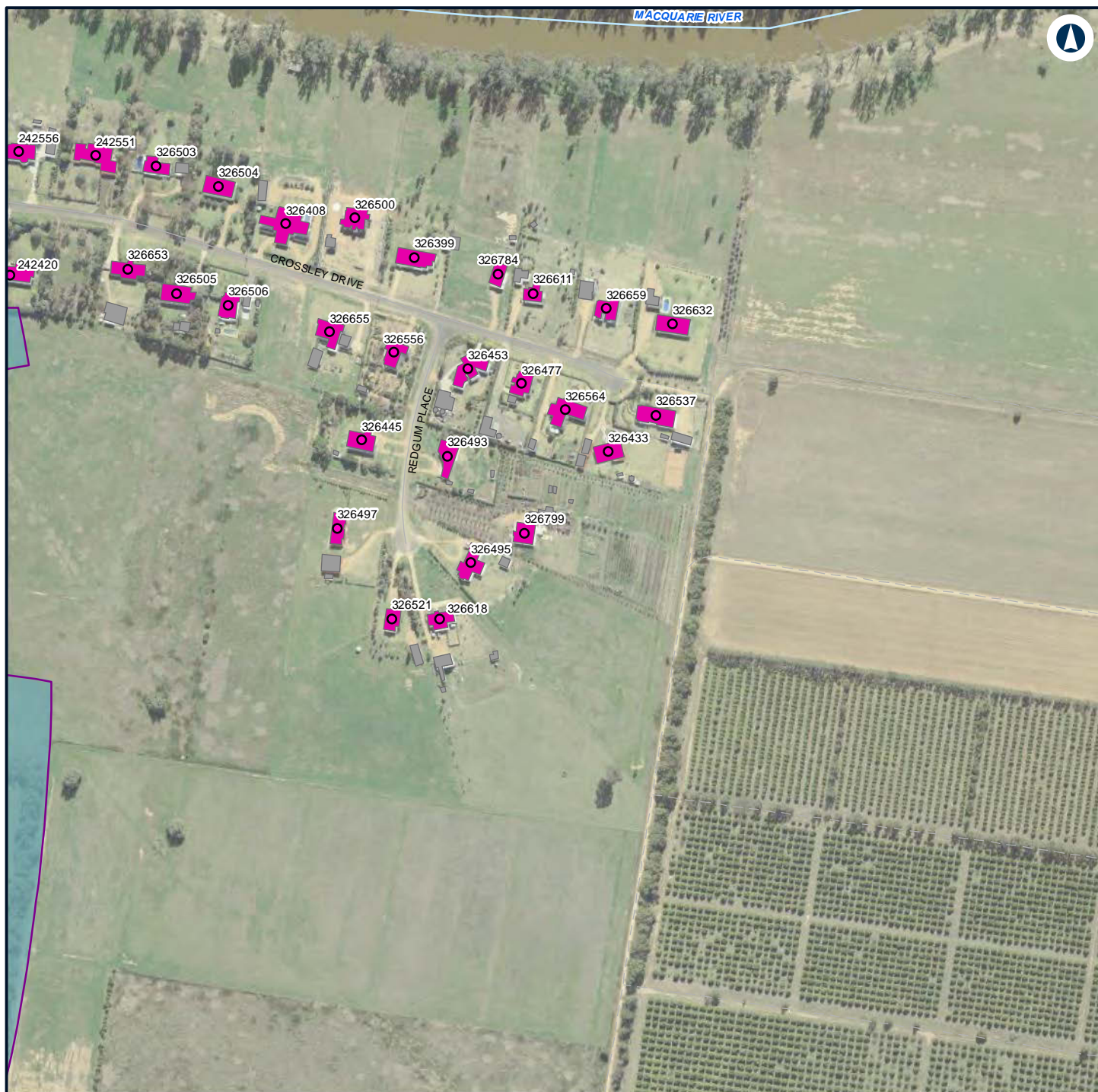
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

Coordinate System: GDA 1994 MGA Zone 55

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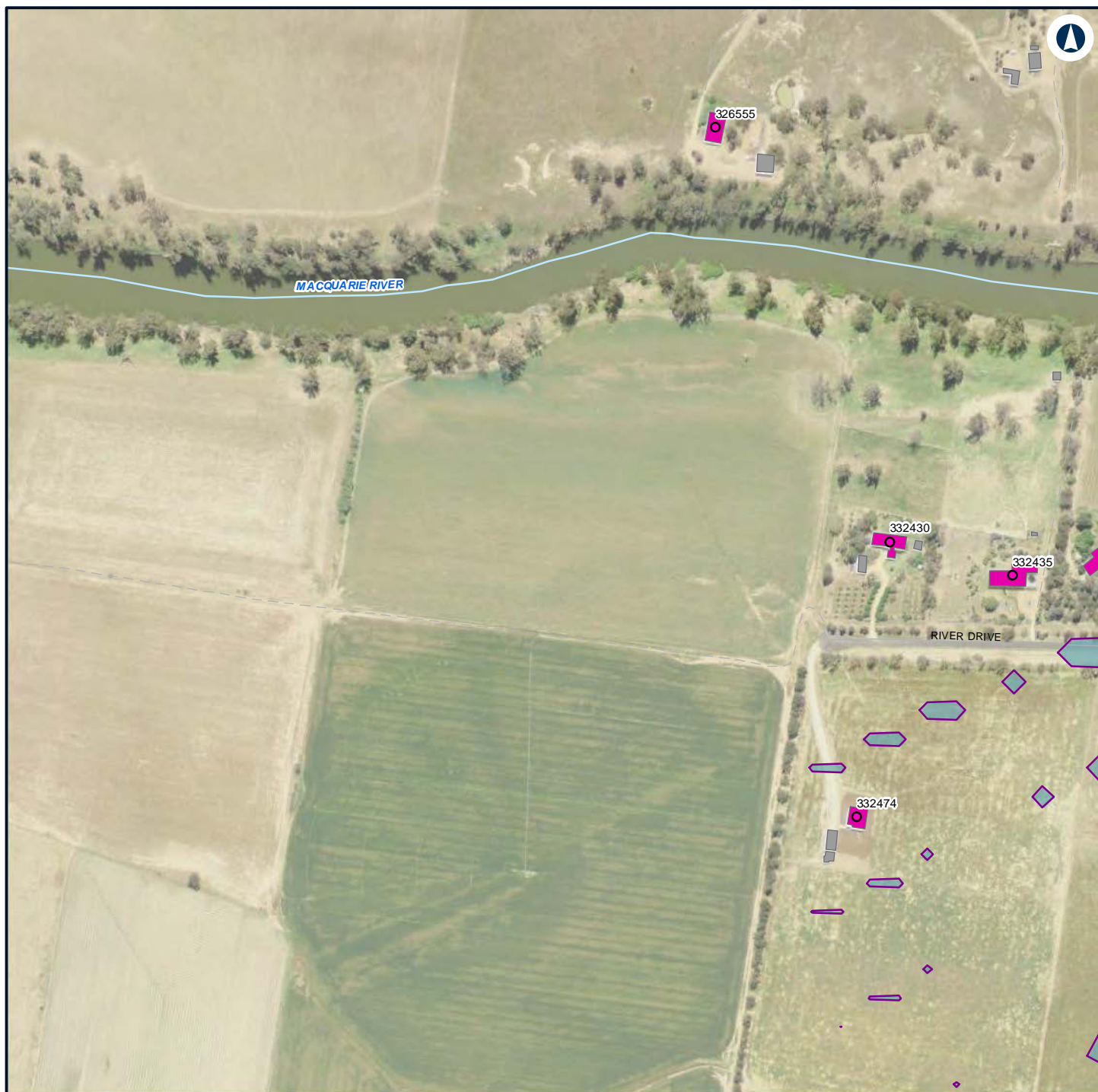
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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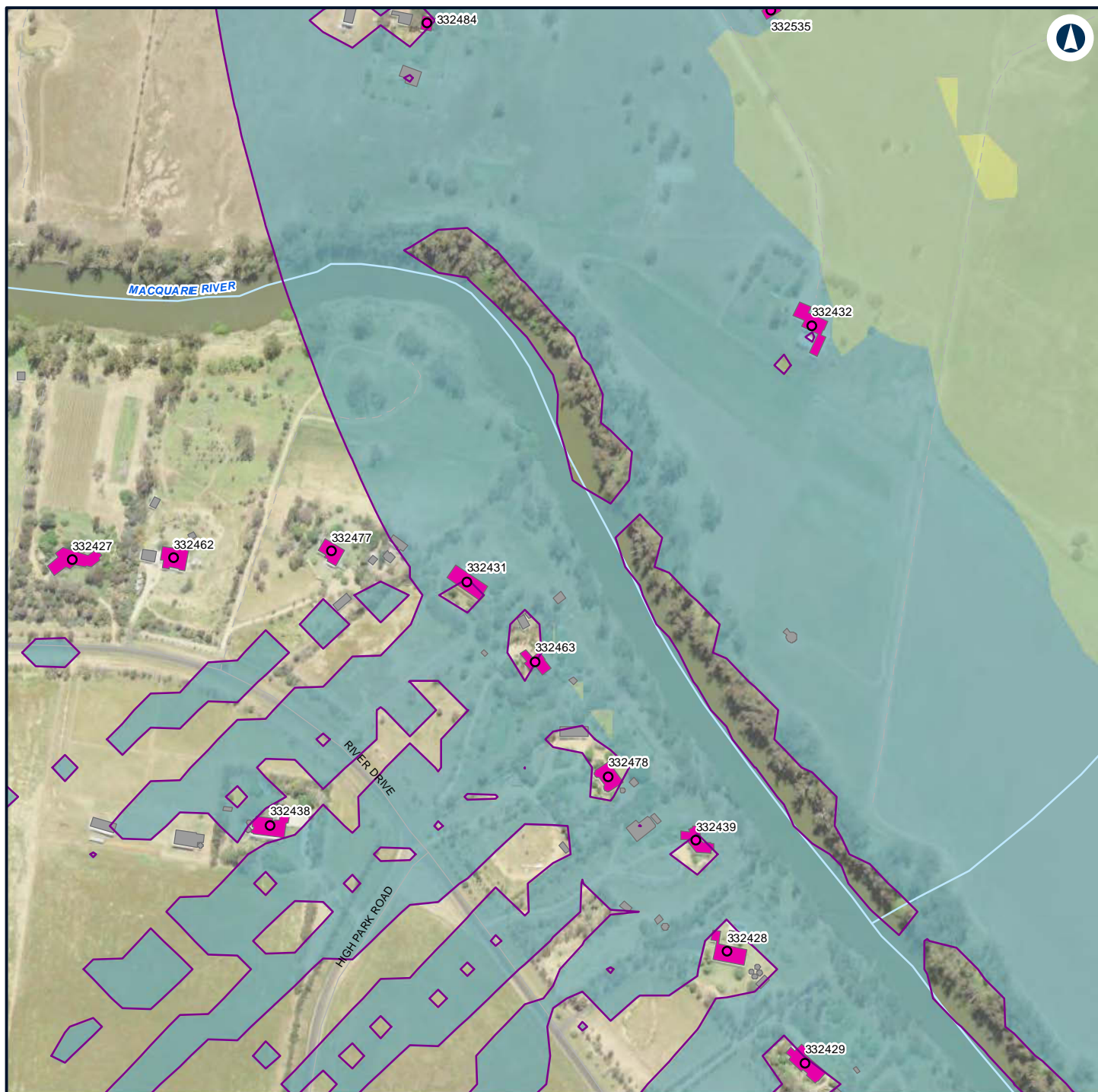
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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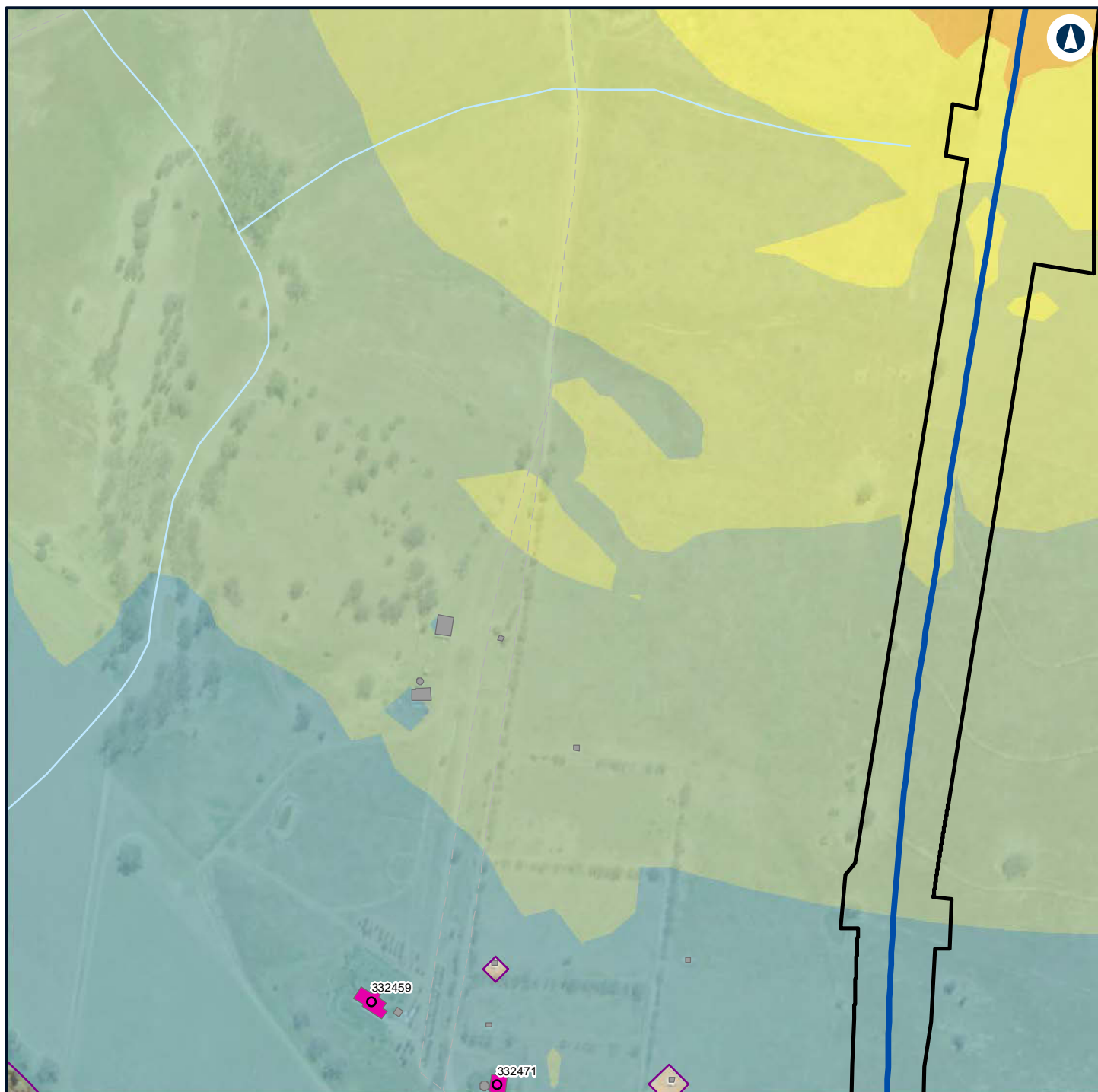
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Scale: 1:5,000

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LEGEND

- Alignment
- Construction footprint

Structure type

- Residential
- Other
- Residential

- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55

- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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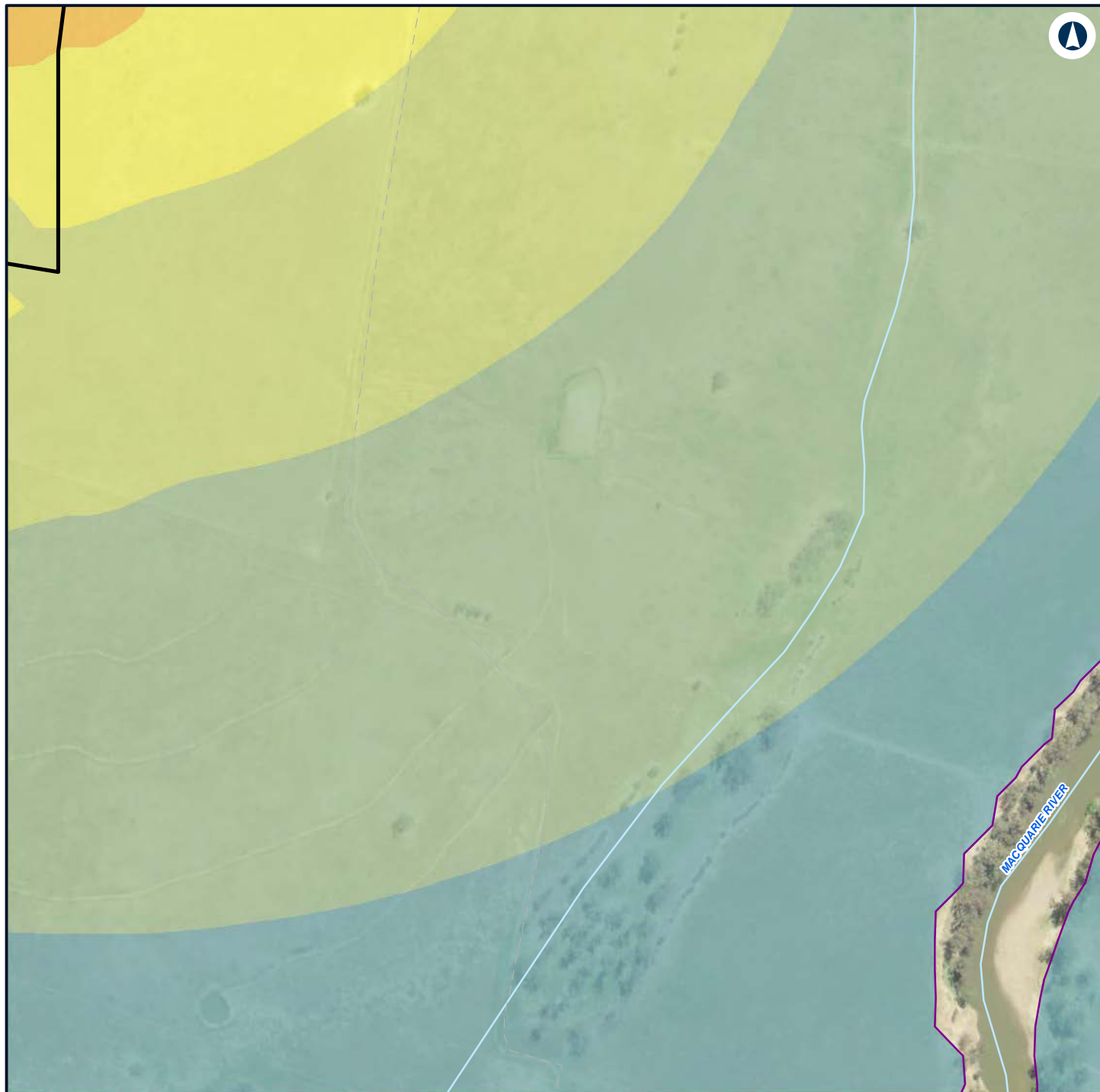
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LEGEND

- Construction footprint
- 45 - 50
- 50 - 55
- 55 - 60
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

- Aeq 15 minute)
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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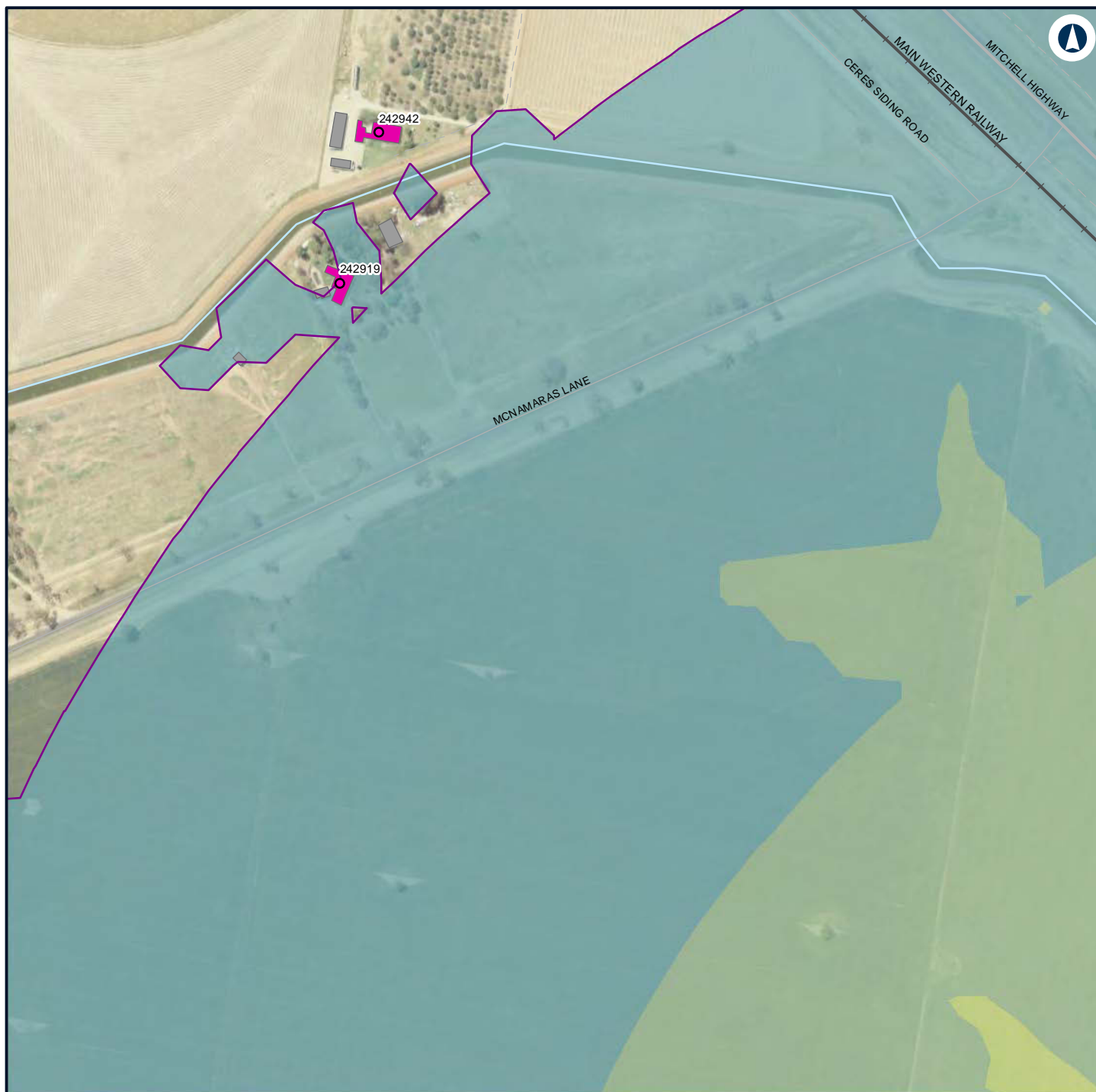
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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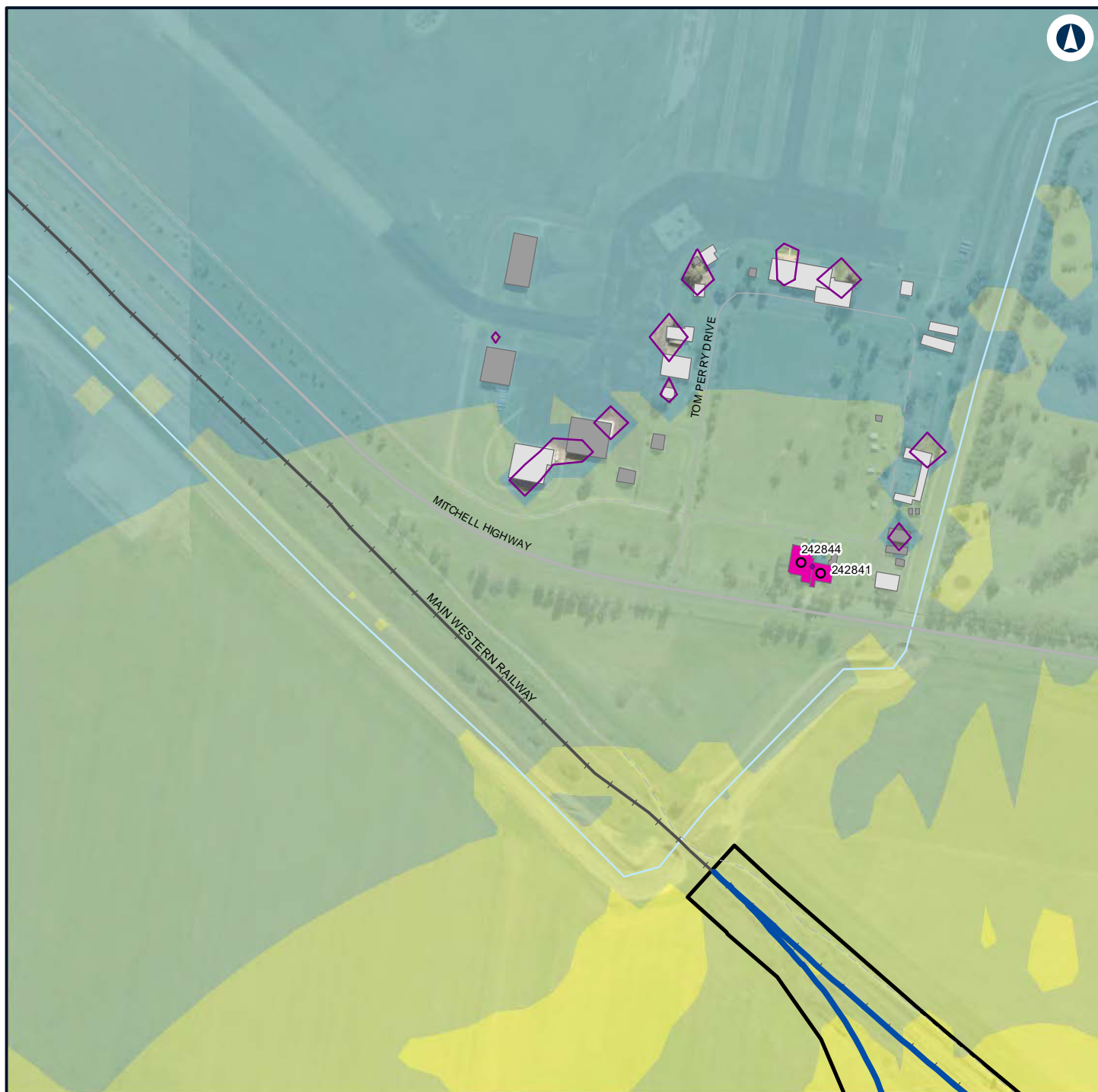
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LEGEND

- | | | |
|------------------------|-----------------------------------|---------|
| Alignment | Residential | 50 - 55 |
| Construction footprint | Night-time noise management level | |
| Structure type | | |
| Residential | Noise level (dBA L) | |
| Commercial/Industrial | 35 - 40 | |
| Other | 40 - 45 | |
| | 45 - 50 | |



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 54 of 554

0 0.1 0.2
Km

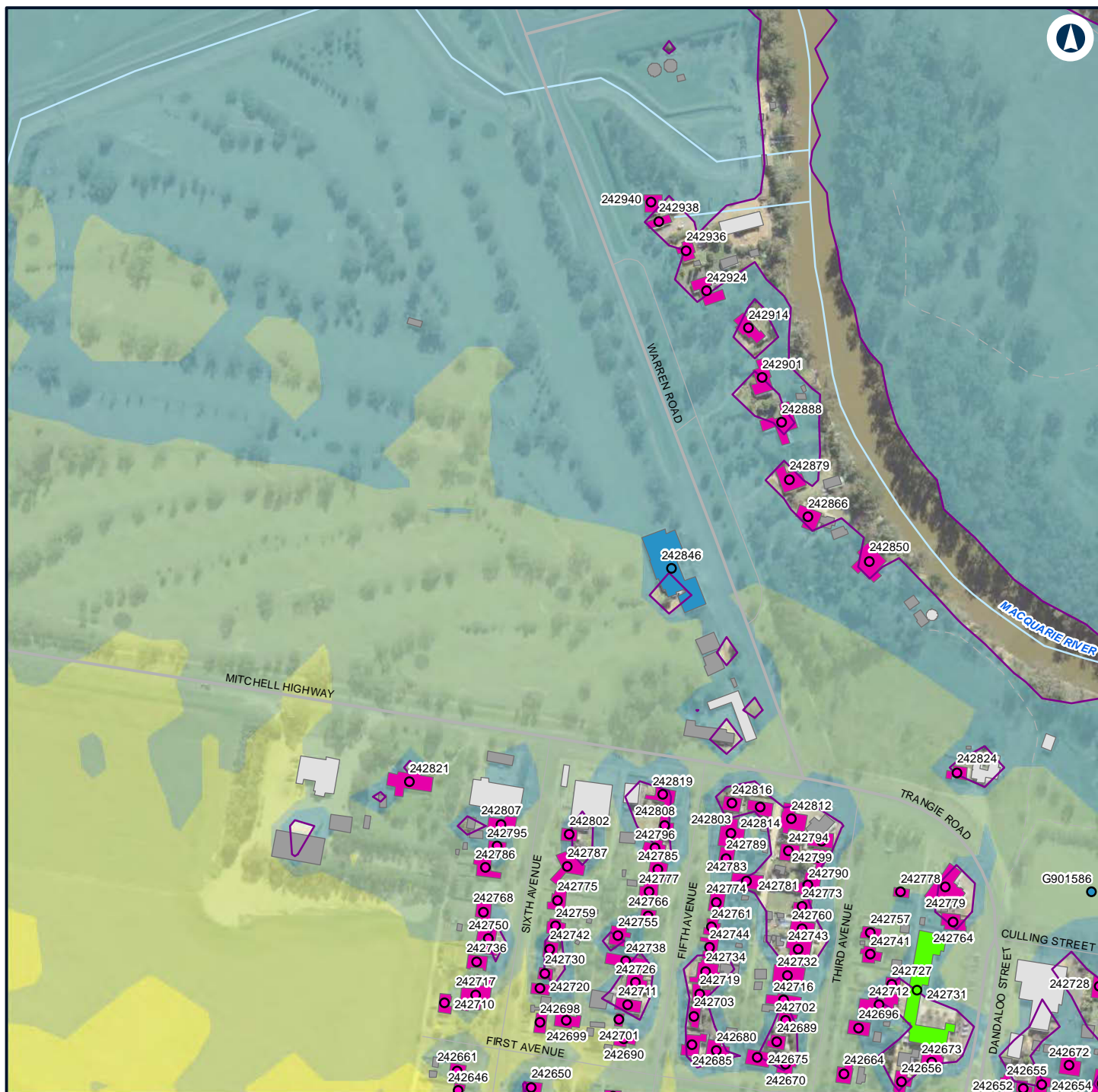
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LEGEND

Structure type

- Active recreation
- Educational
- Residential
- Active recreation
- Commercial/Industrial

■ Educational

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40

■ 40 - 45

■ 45 - 50

■ 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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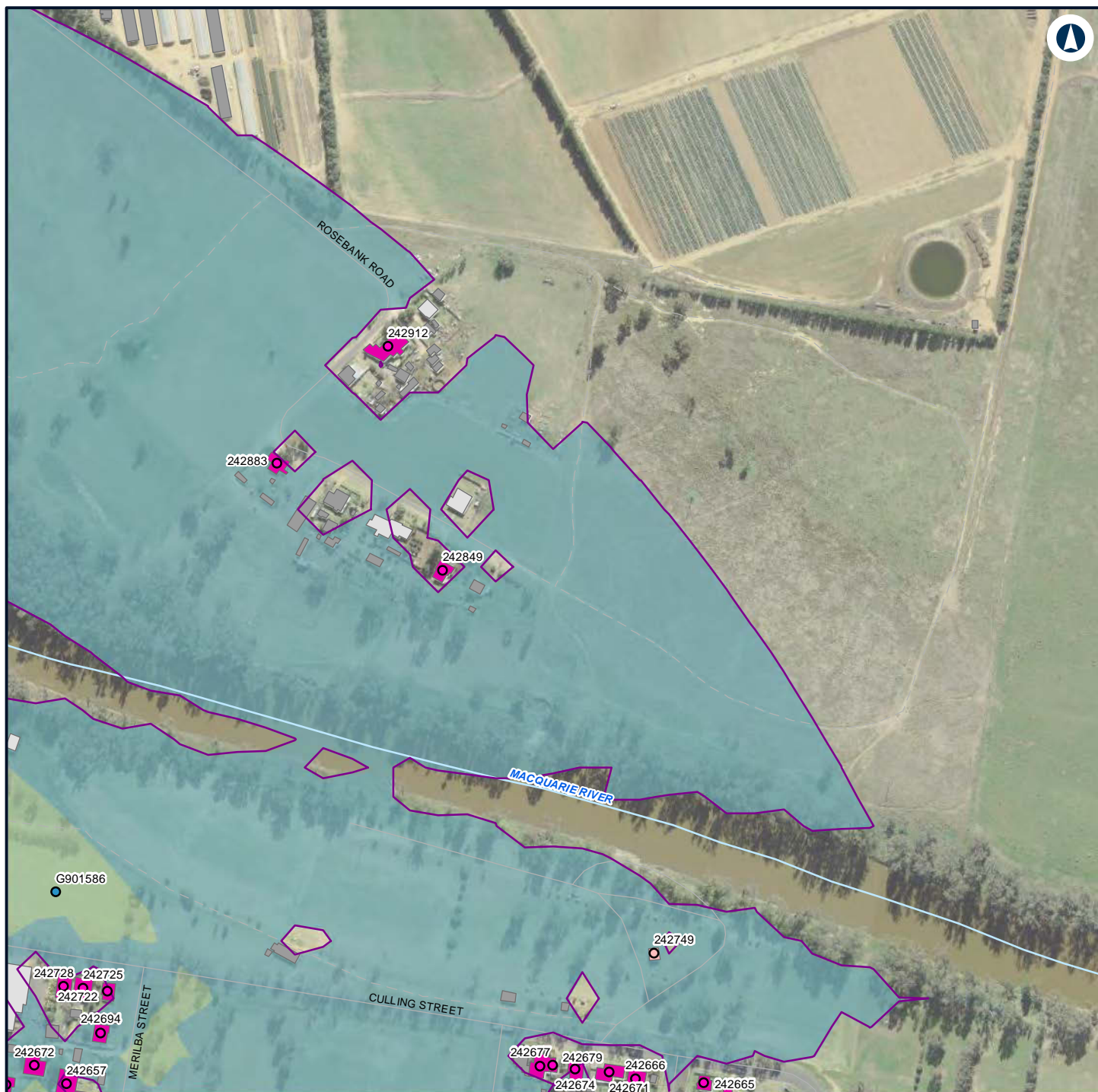
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type

- Active recreation
- Passive recreation
- Residential

Commercial/
Industrial

Other

Passive recreation

Residential

Night-time noise
management level

Noise level (dBA L
Aeq 15 minute)

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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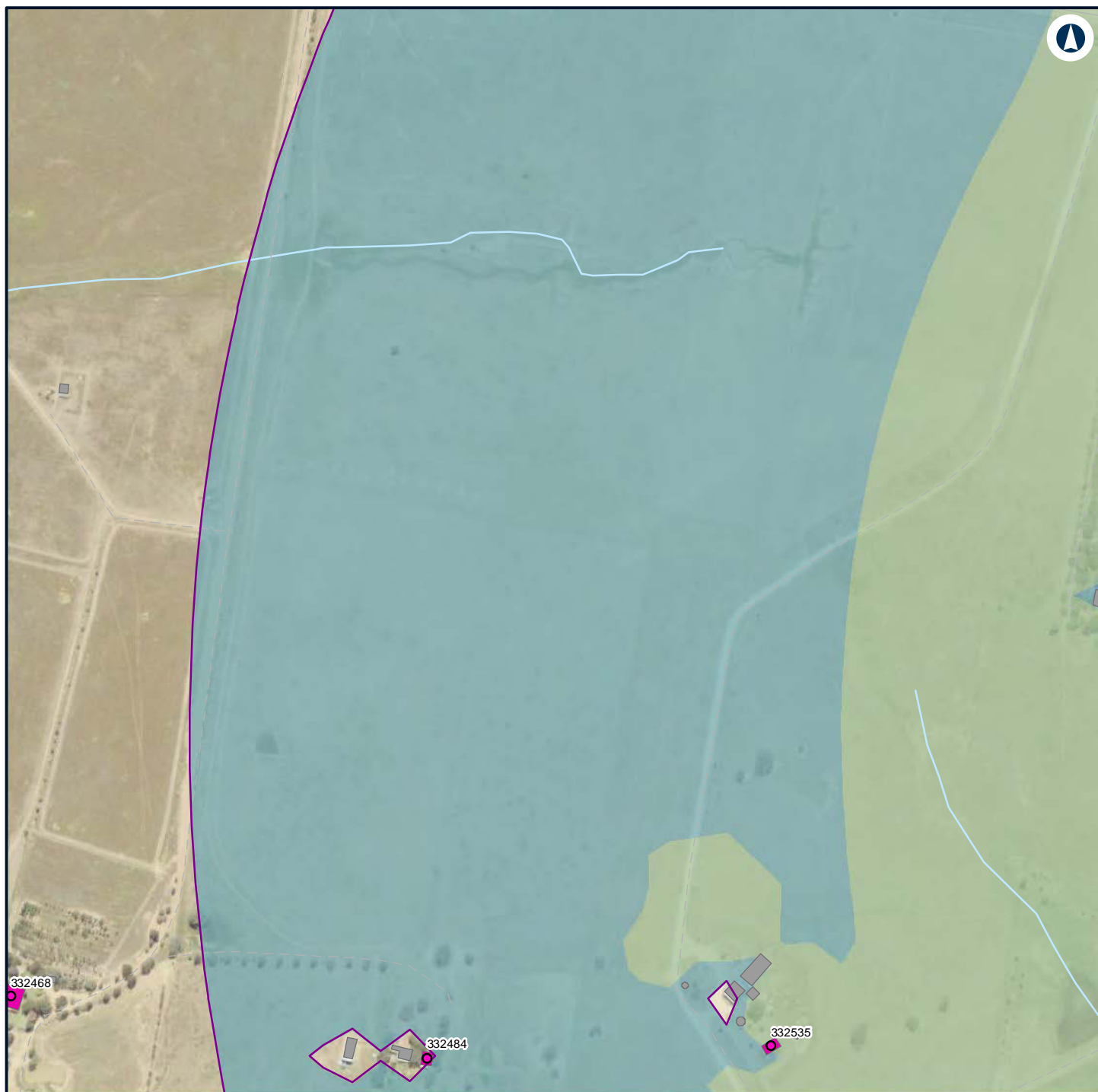
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

- Aeq 15 minute)
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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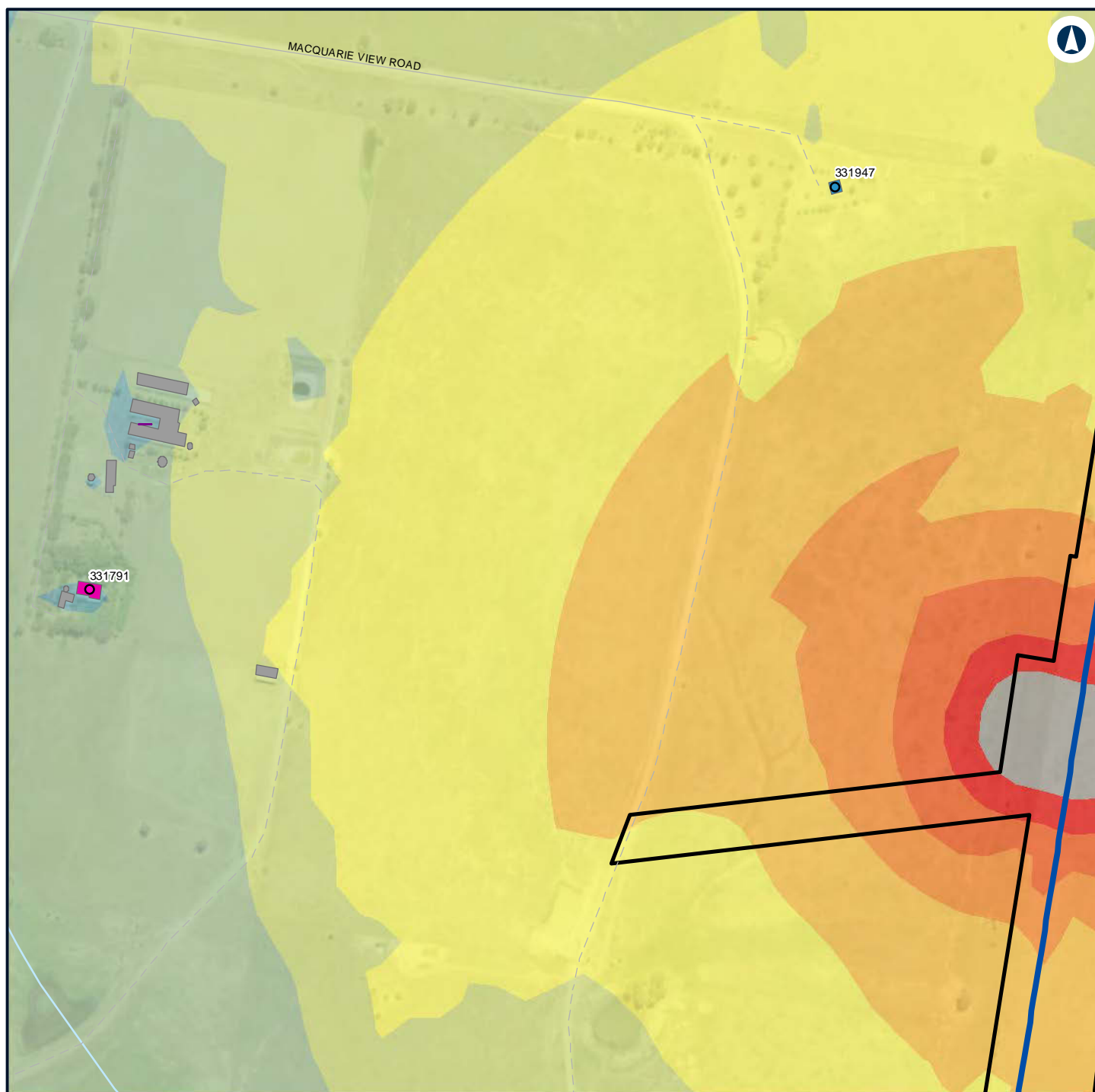
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LEGEND

Alignment	Other	45 - 50
Construction footprint	Residential	50 - 55
Structure type	Night-time noise management level	55 - 60
Active recreation	Noise level (dBA L Aeq 15 minute)	60 - 65
Residential	35 - 40	65 - 70
Active recreation	40 - 45	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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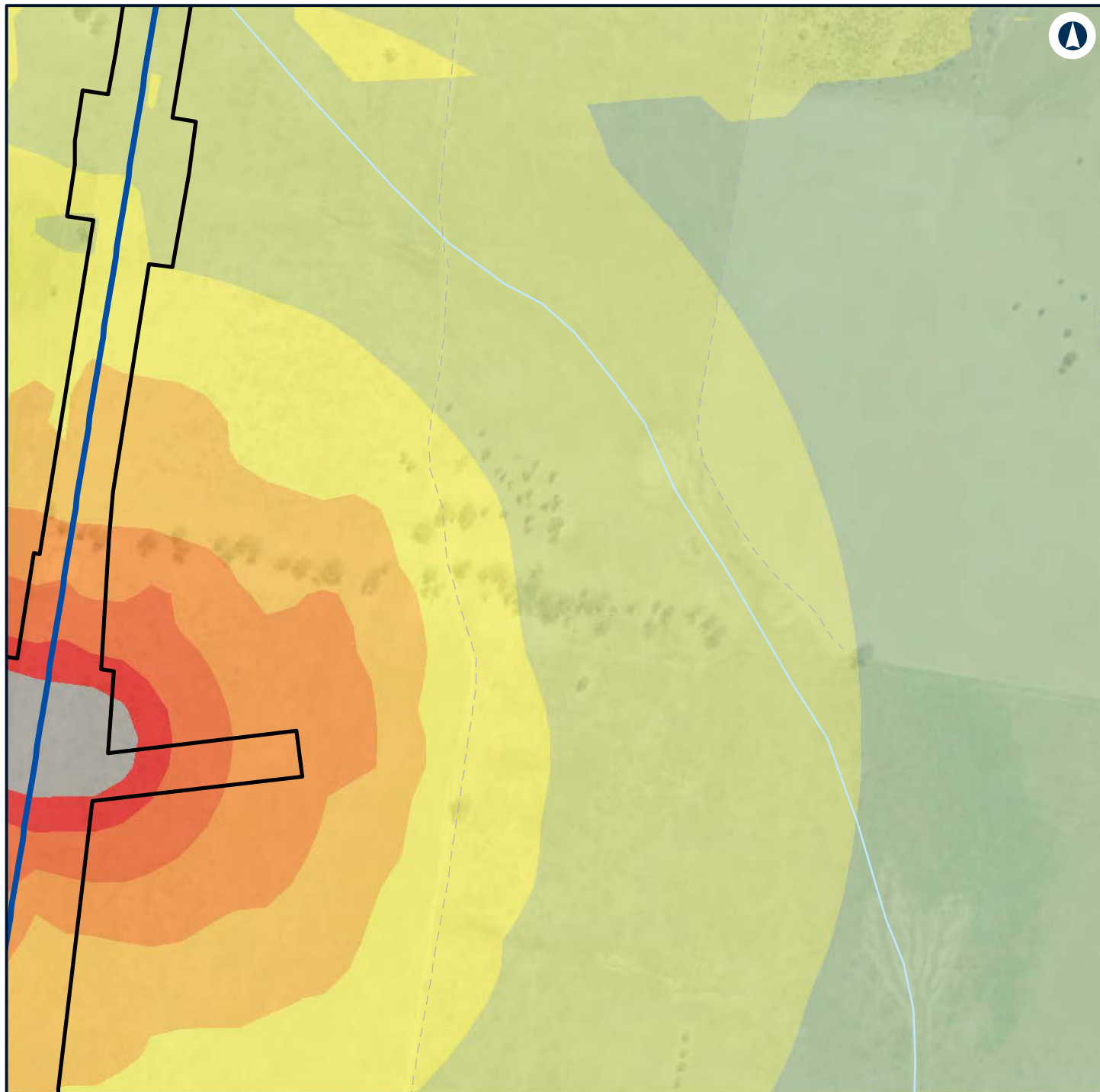
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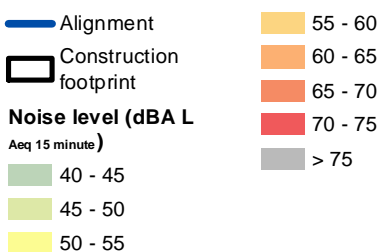
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

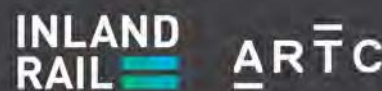
Appendix G - Page 59 of 554



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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 60 of 554

0 0.1 0.2
Km

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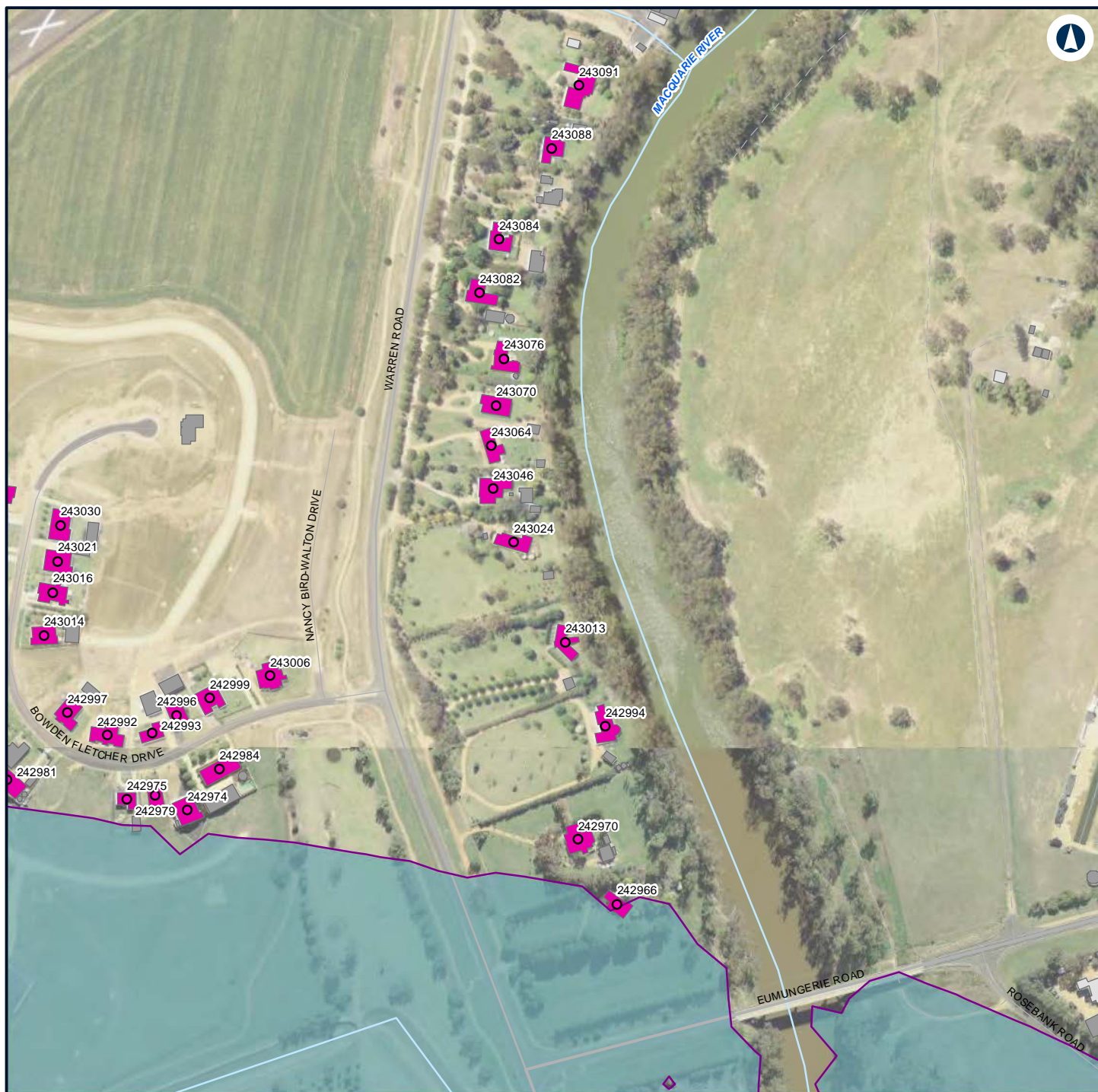
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LEGEND

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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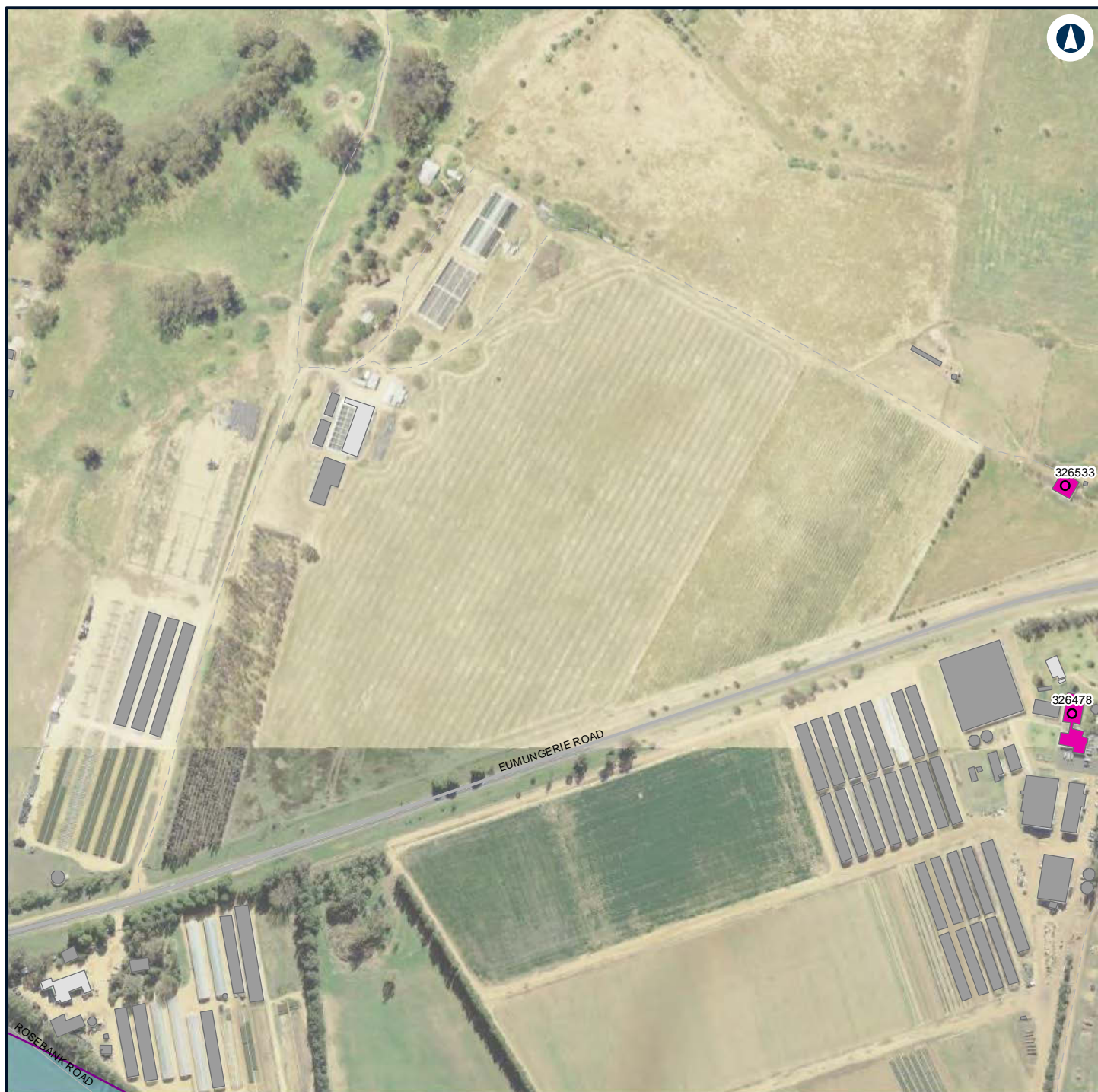
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LEGEND

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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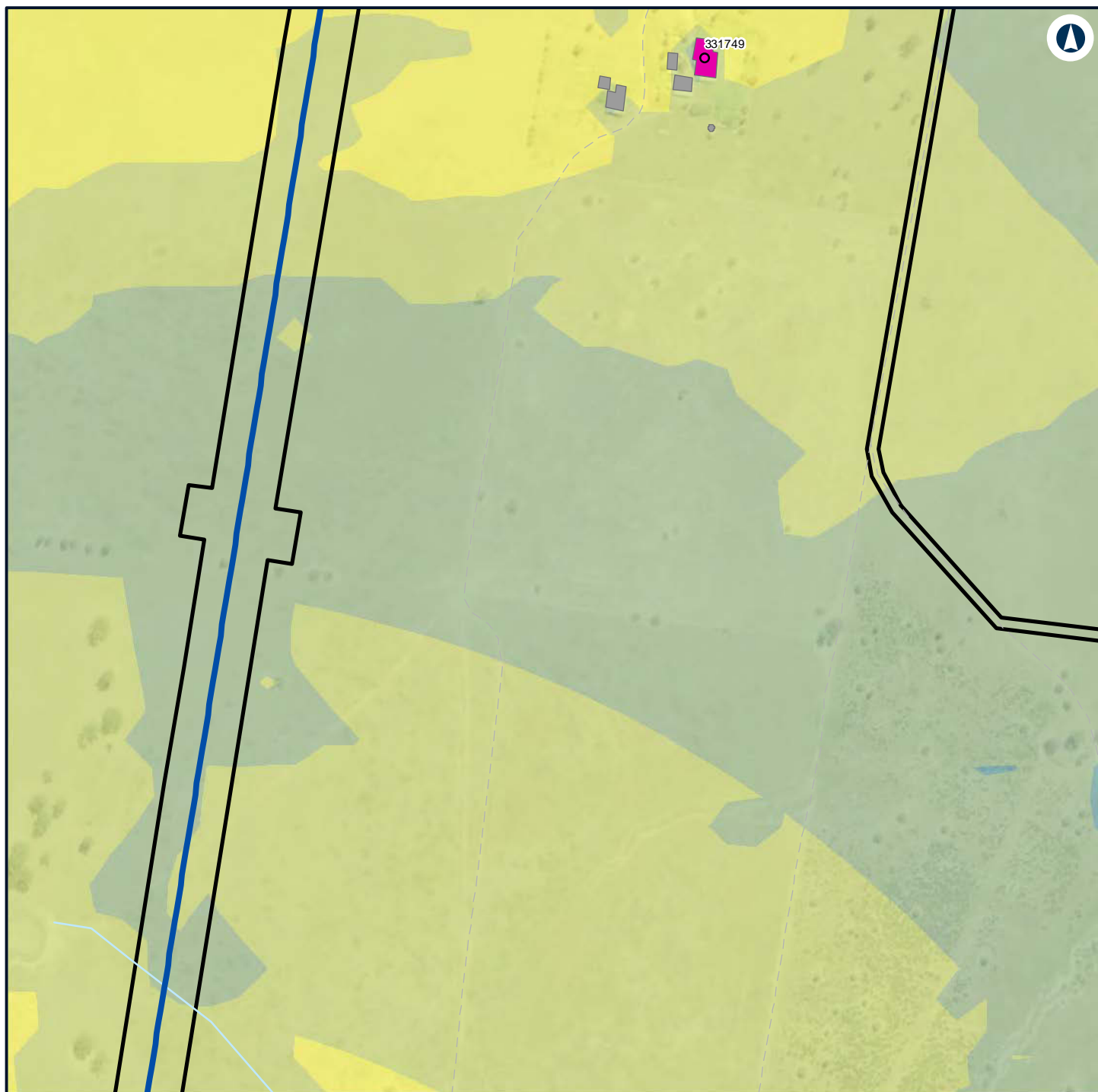
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LEGEND

- Alignment
- Construction footprint
- Structure type**
- Residential
- Other
- Residential

Noise level (dBA L Aeq 15 minute)	
	35 - 40
	40 - 45
	45 - 50
	50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

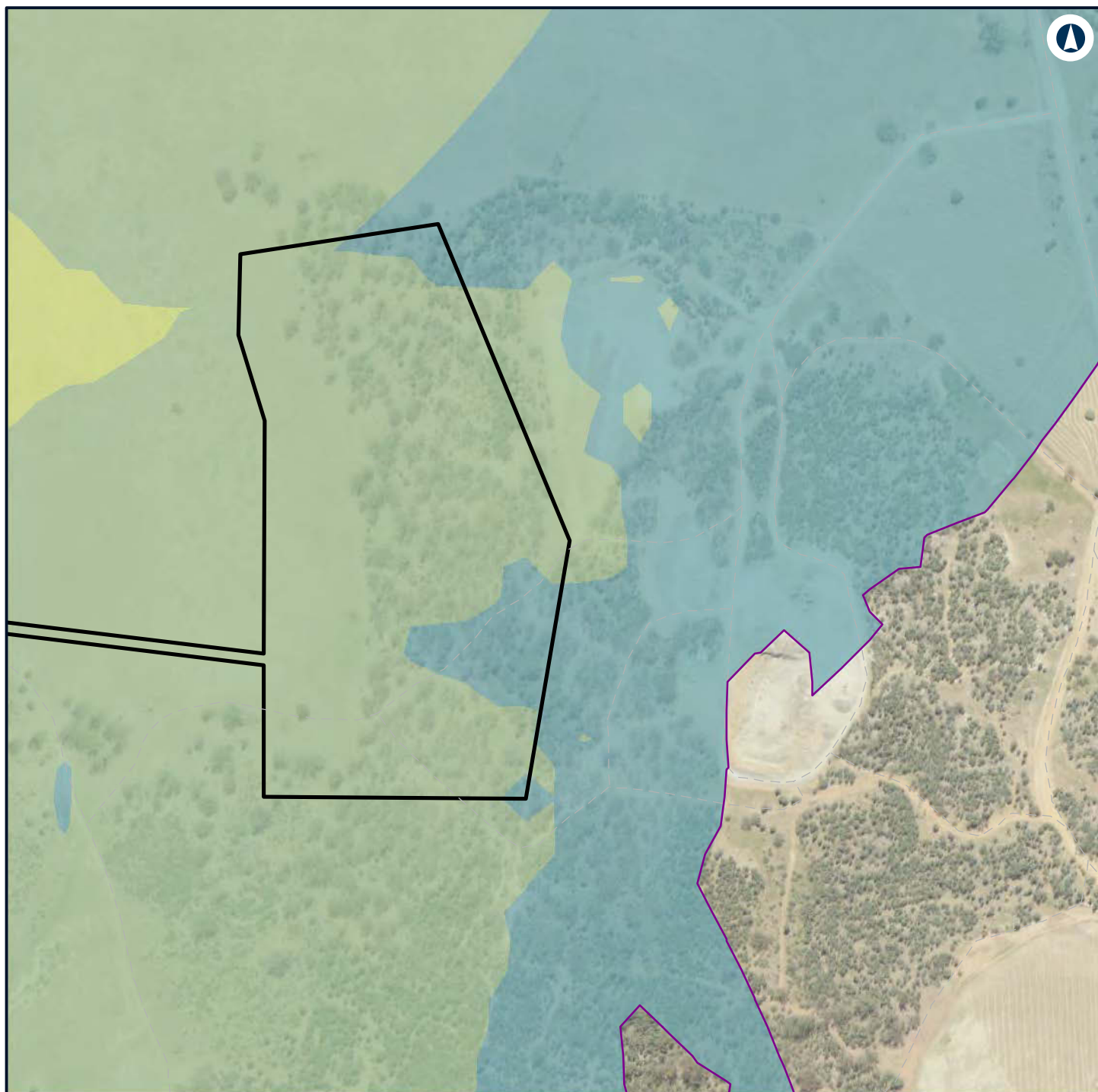
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LEGEND

-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

-  35 - 40
-  40 - 45

 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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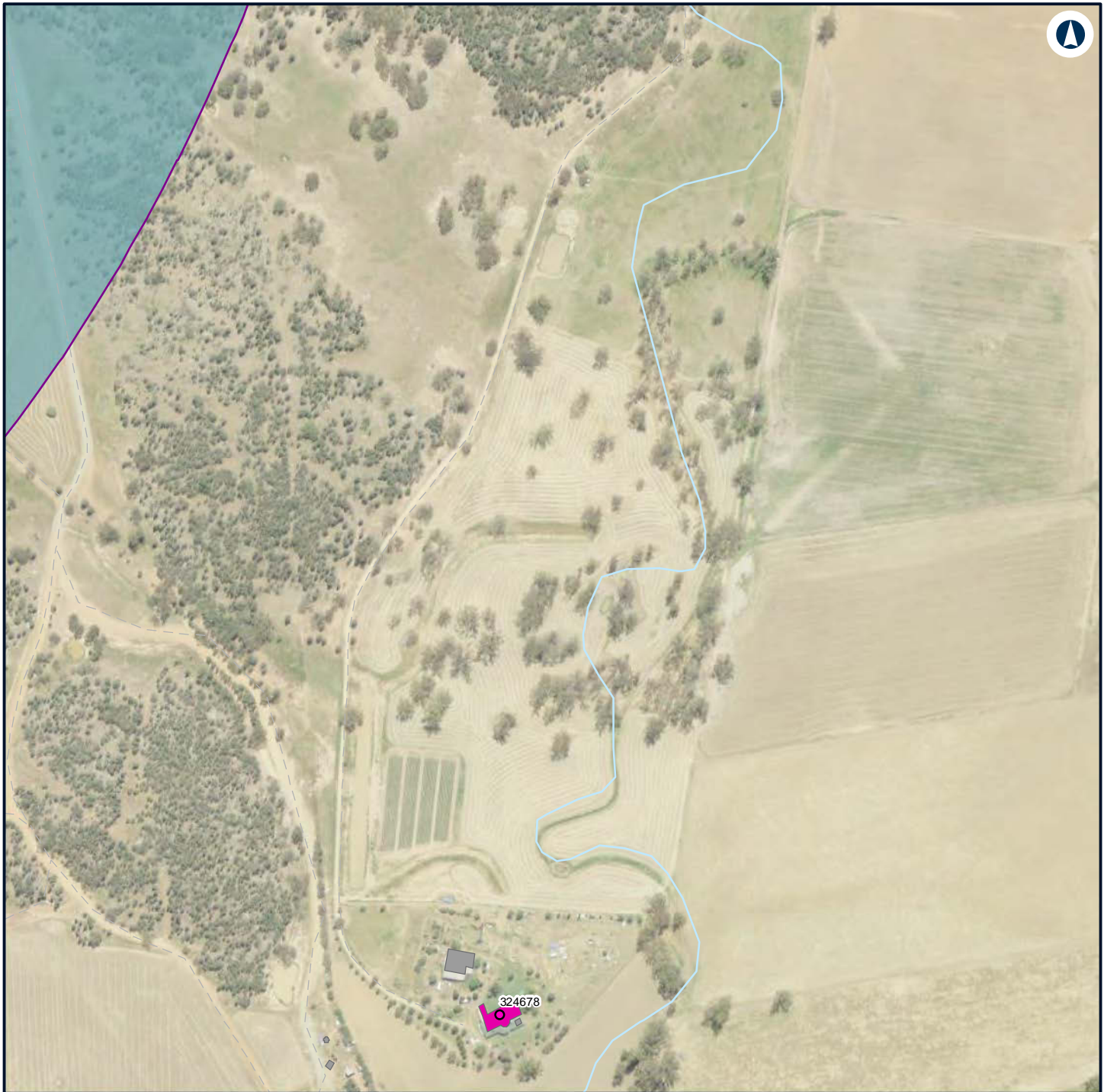
Date: 22/12/2021
Author: GHD

Paper: A4
Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 66 of 554

0 0.1 0.2
 Km

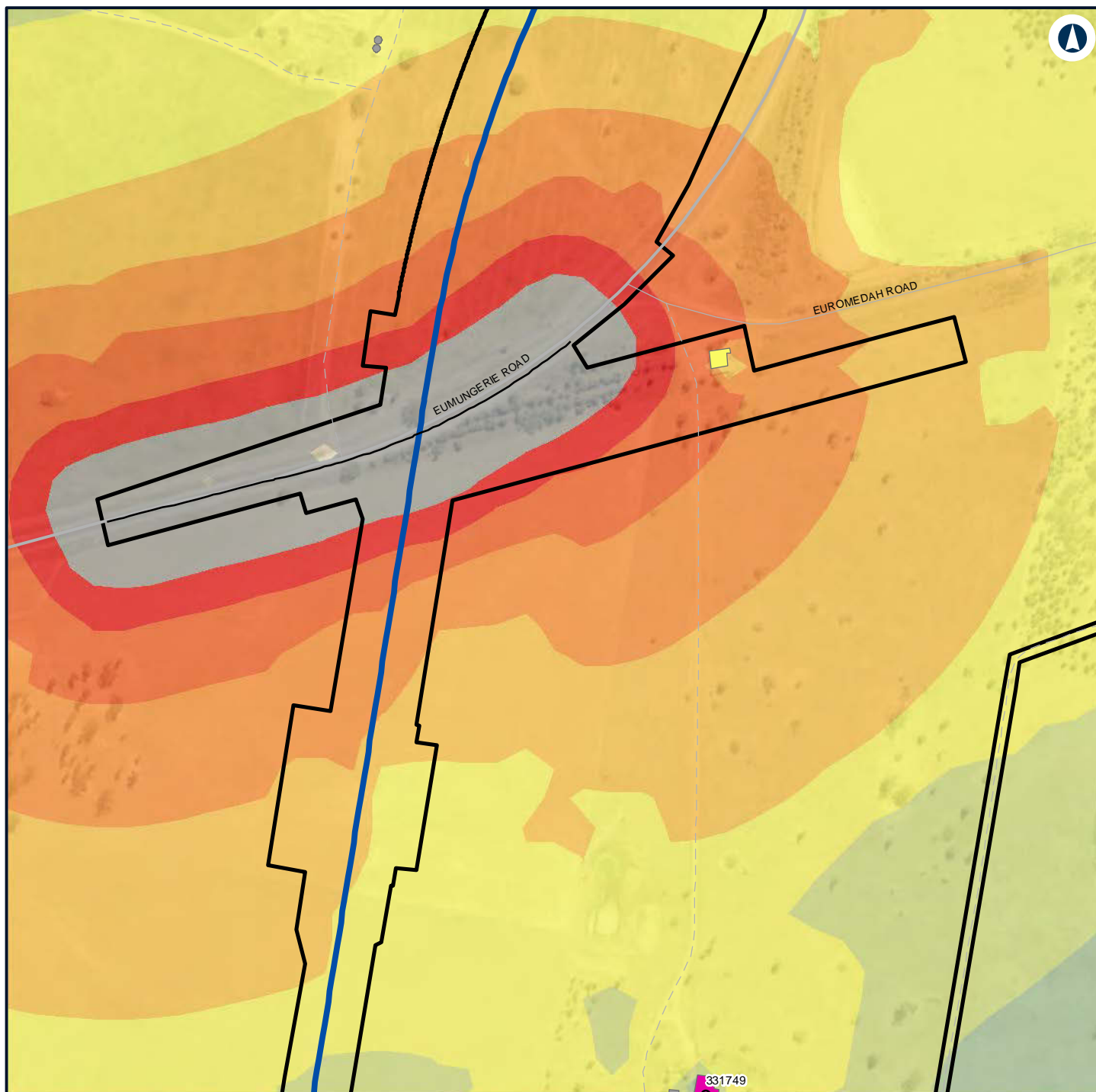
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LEGEND

Alignment	Other	55 - 60
Road design string	Residential	60 - 65
Construction footprint	Noise level (dBA L Aeq 15 minute)	65 - 70
Structure type	40 - 45	70 - 75
Residential	45 - 50	> 75
Community	50 - 55	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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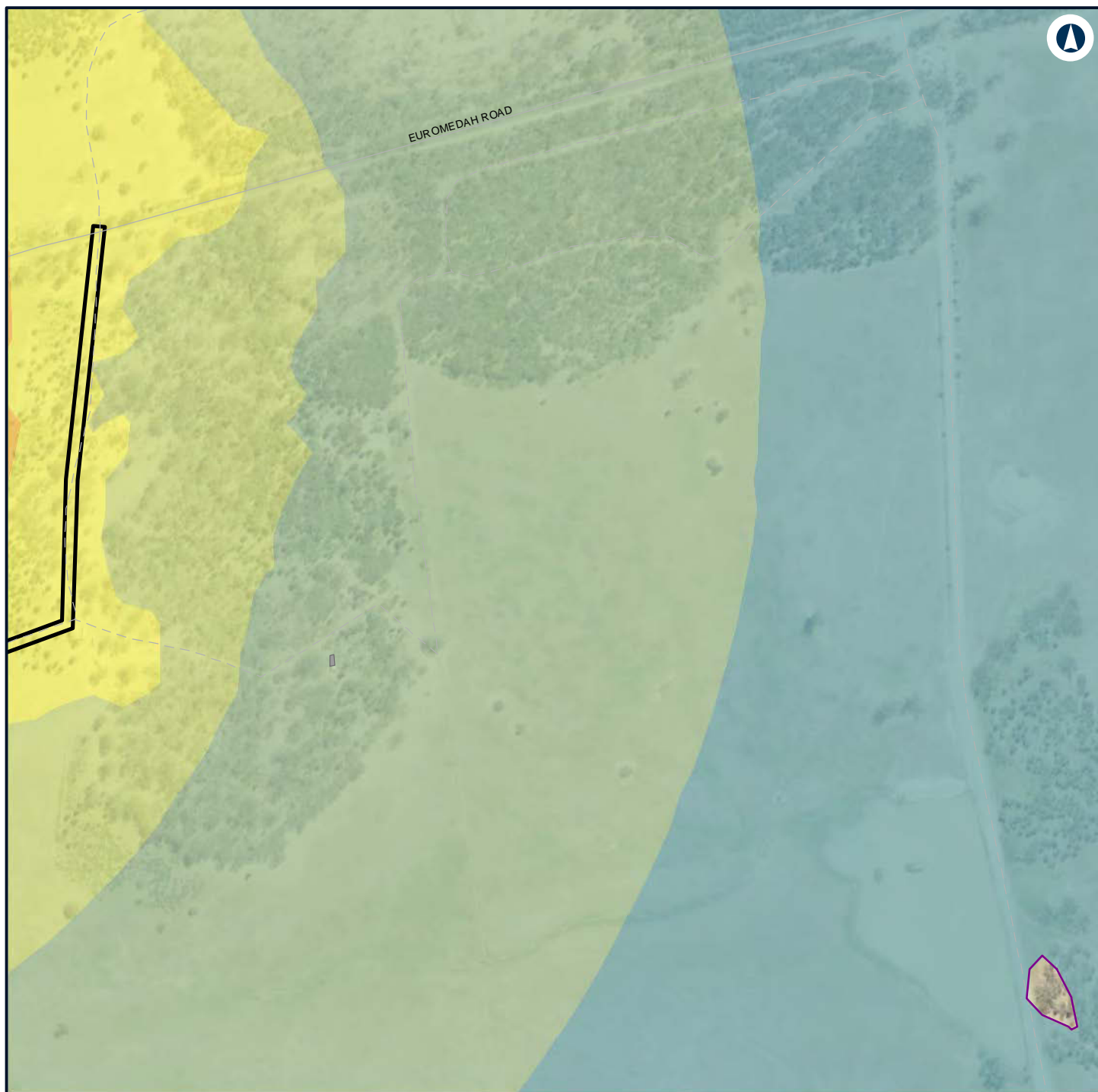
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Construction footprint
- Other
- Night-time noise management level
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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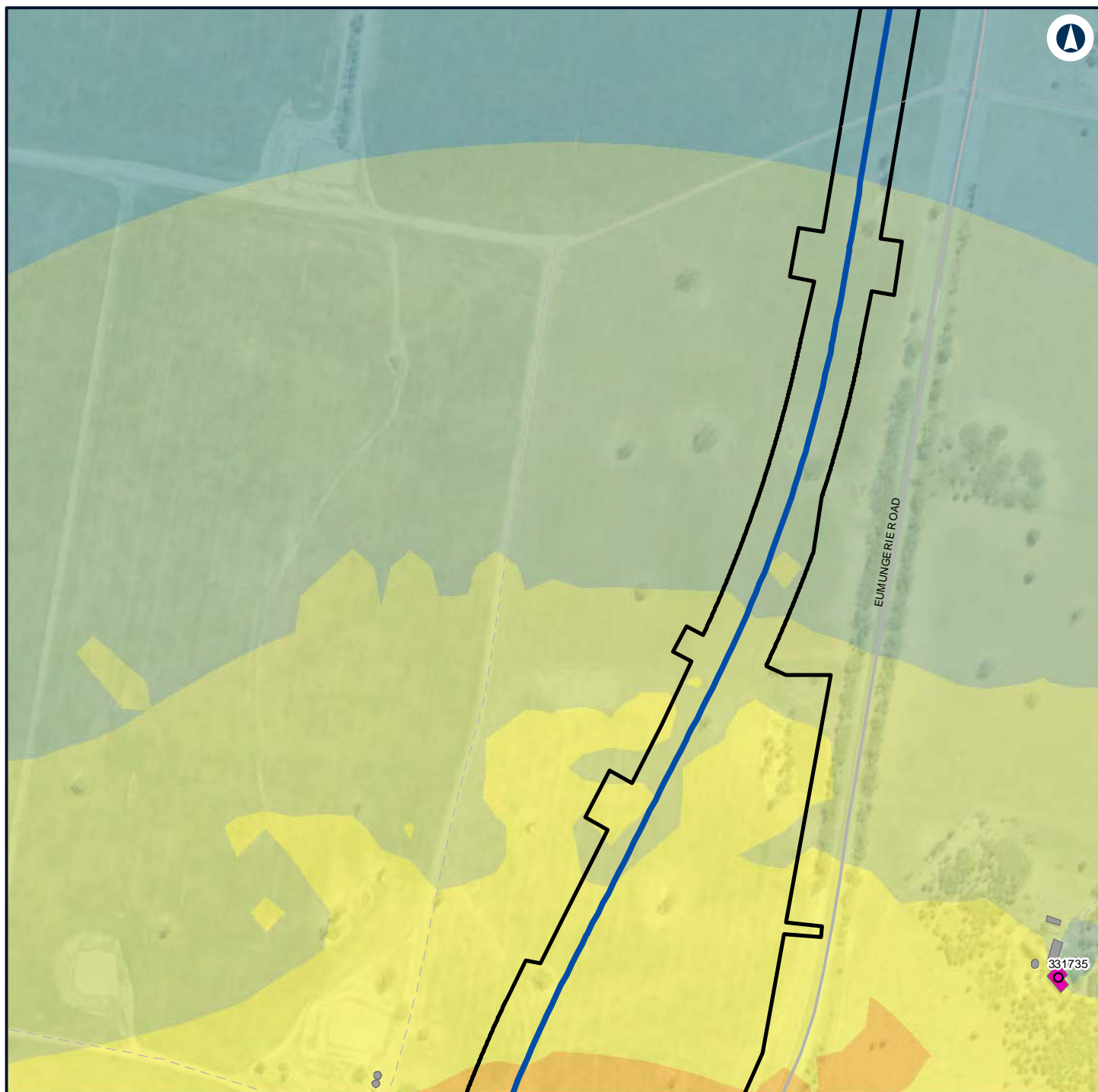
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint

Structure type

- Residential
- Other
- Residential

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARRABRIE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 69 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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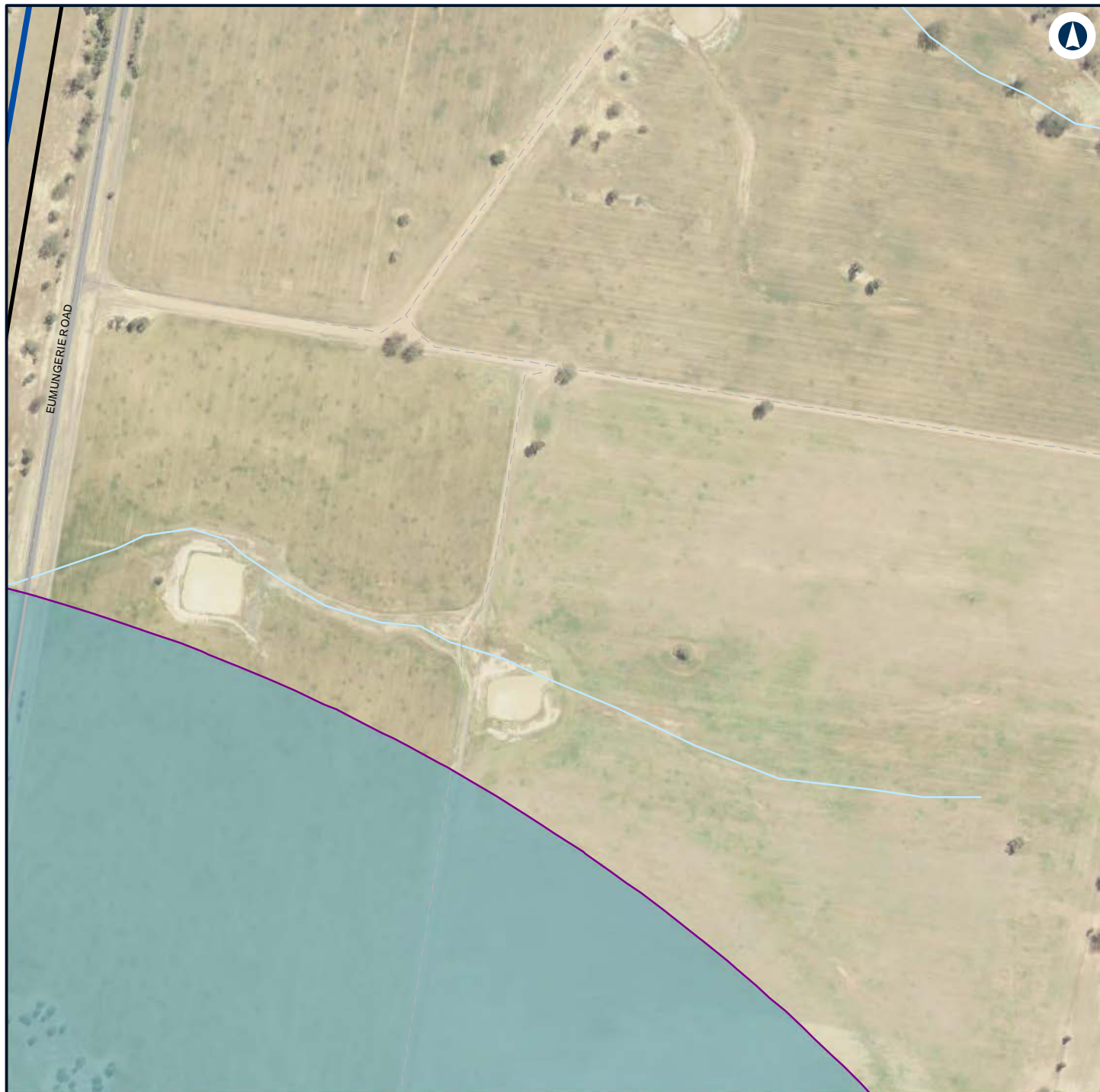
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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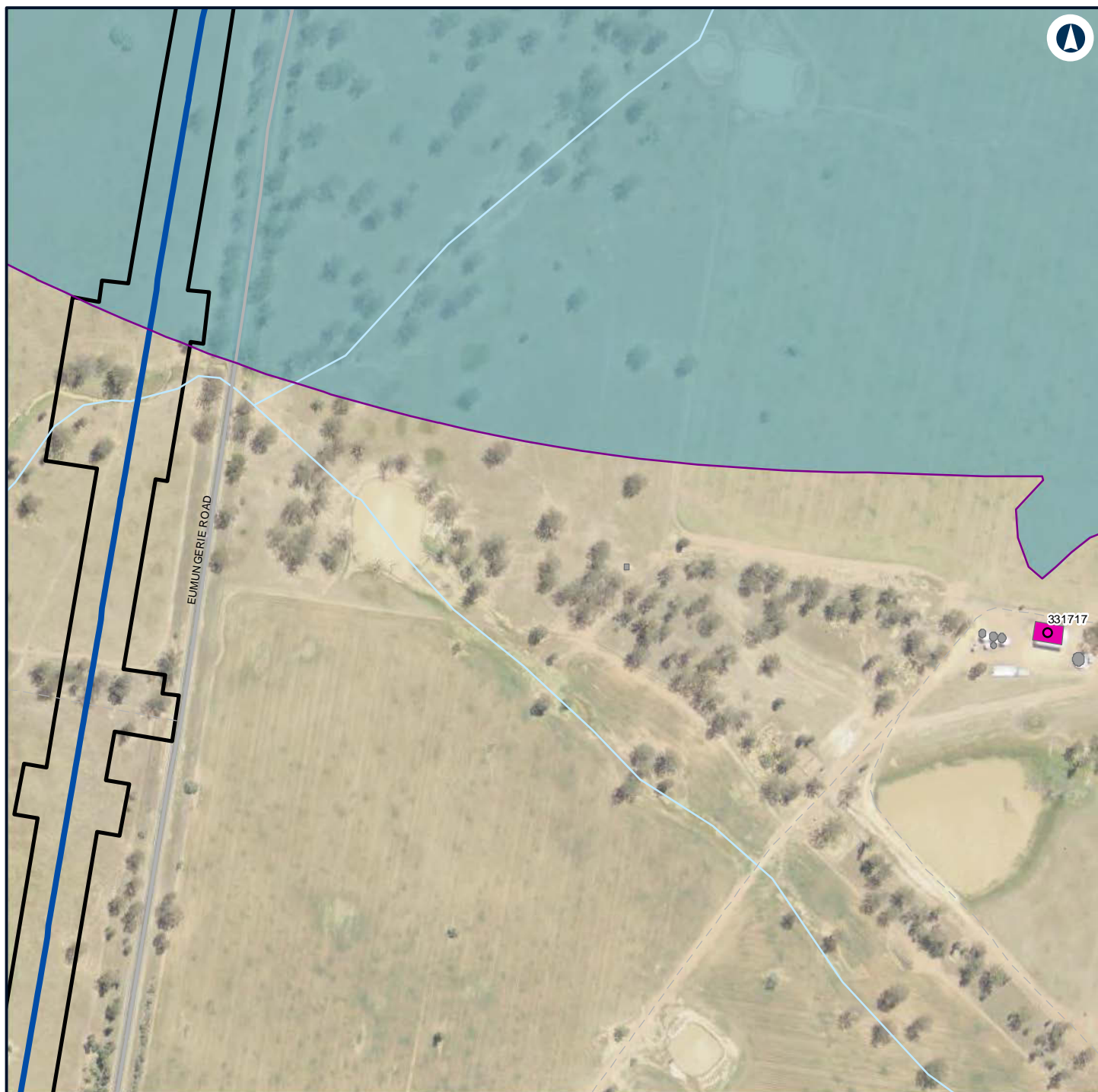
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint

Structure type

- Residential
- Other
- Residential

- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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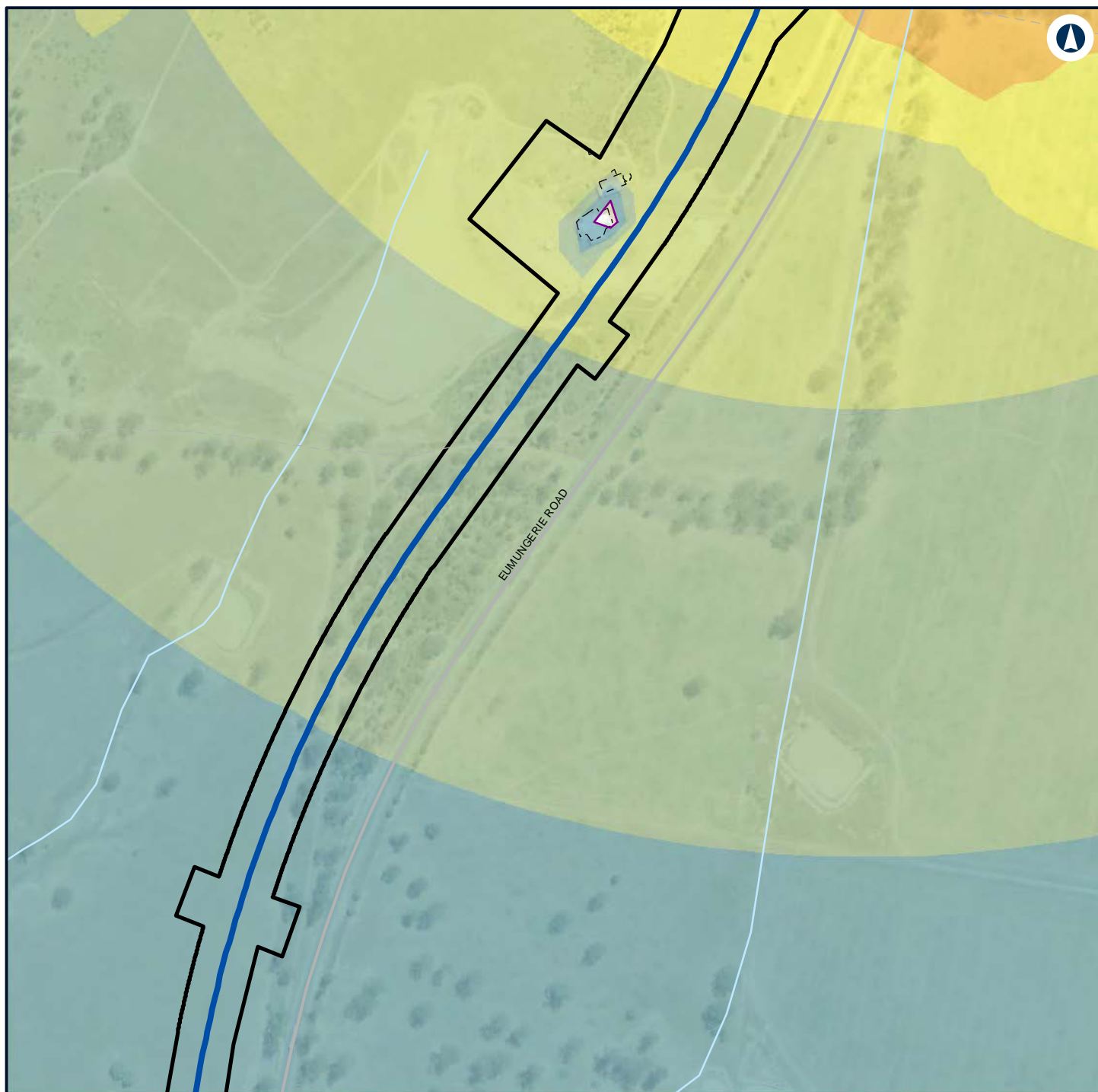
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

	Alignment		
	Construction footprint		
	DEMOLISH - Other		
	DEMOLISH - Residential		
	Night-time noise management level		
	Noise level (dBA L Aeq 15 minute)		
			35 - 40
			40 - 45
			45 - 50
			50 - 55
			55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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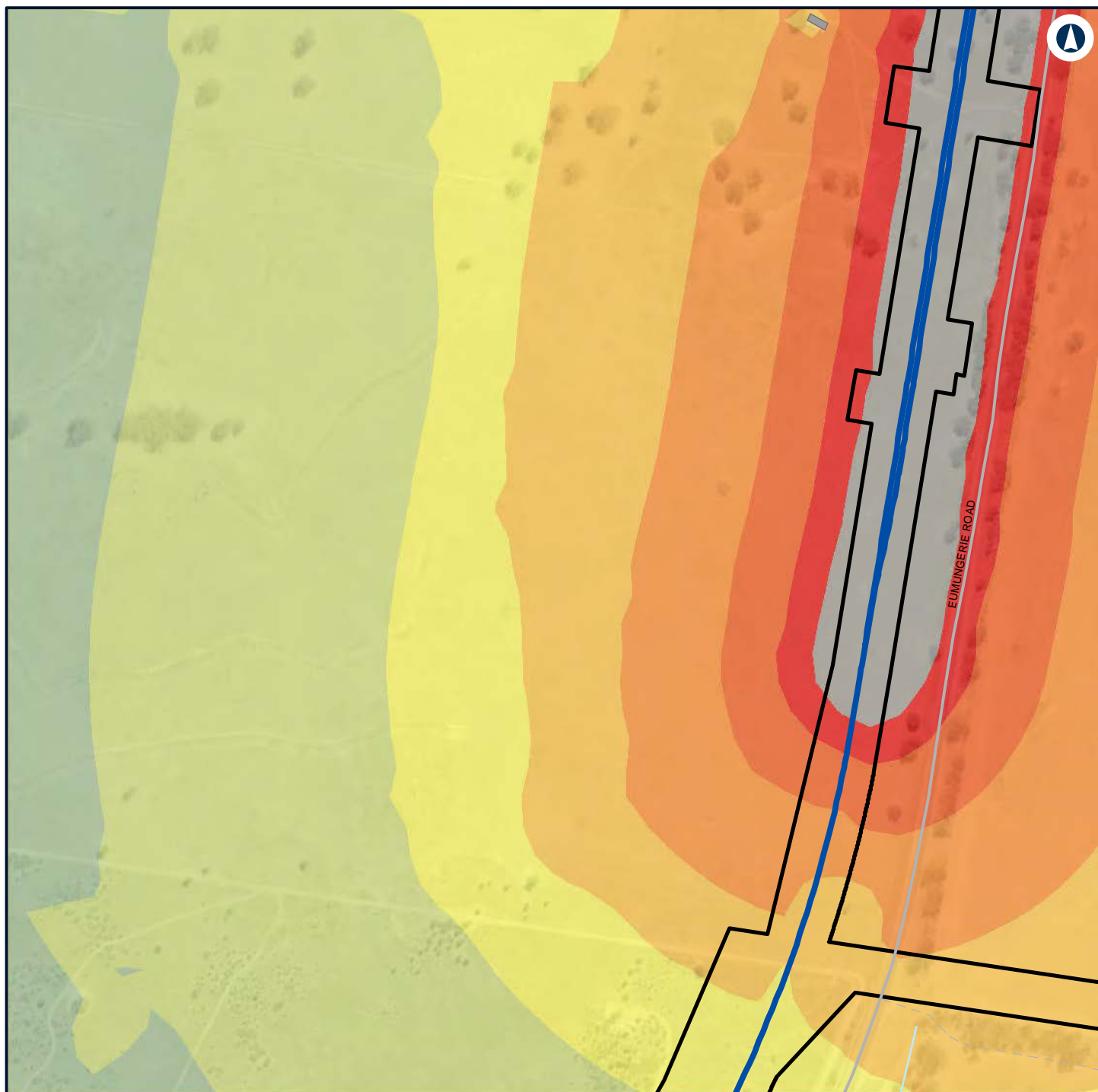
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

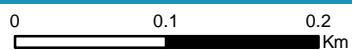
Alignment	50 - 55
Construction footprint	55 - 60
Other	60 - 65
Noise level (dBA L Aeq 15 minute)	65 - 70
40 - 45	70 - 75
45 - 50	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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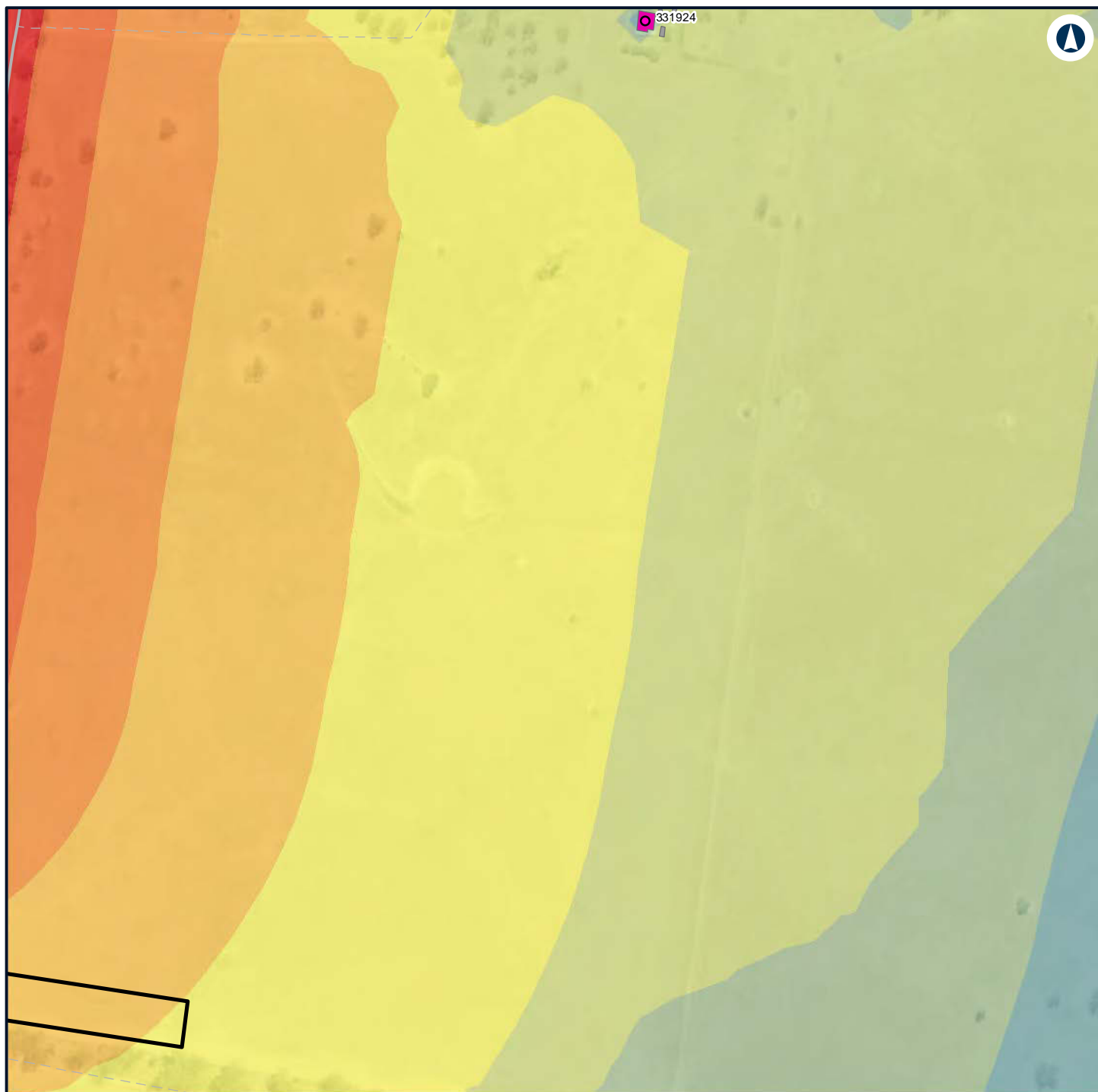
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LEGEND

Construction footprint

Structure type

- Residential
- Other
- Residential

Noise level (dBA L Aeq 15 minute)

35 - 40	60 - 65
40 - 45	65 - 70
45 - 50	70 - 75
50 - 55	
55 - 60	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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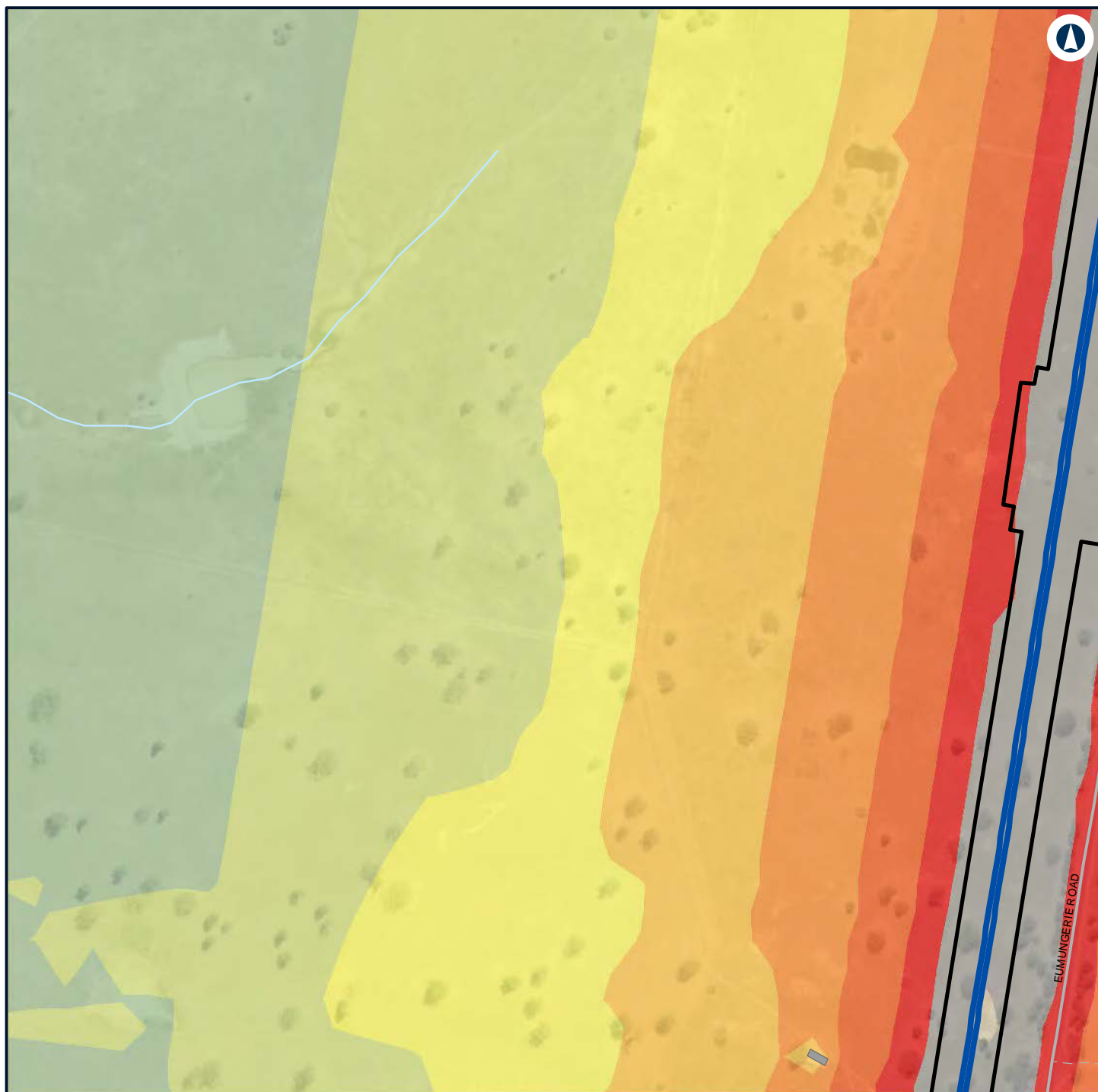
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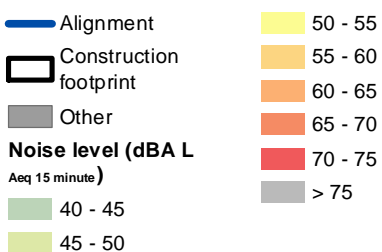
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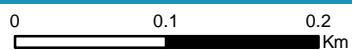
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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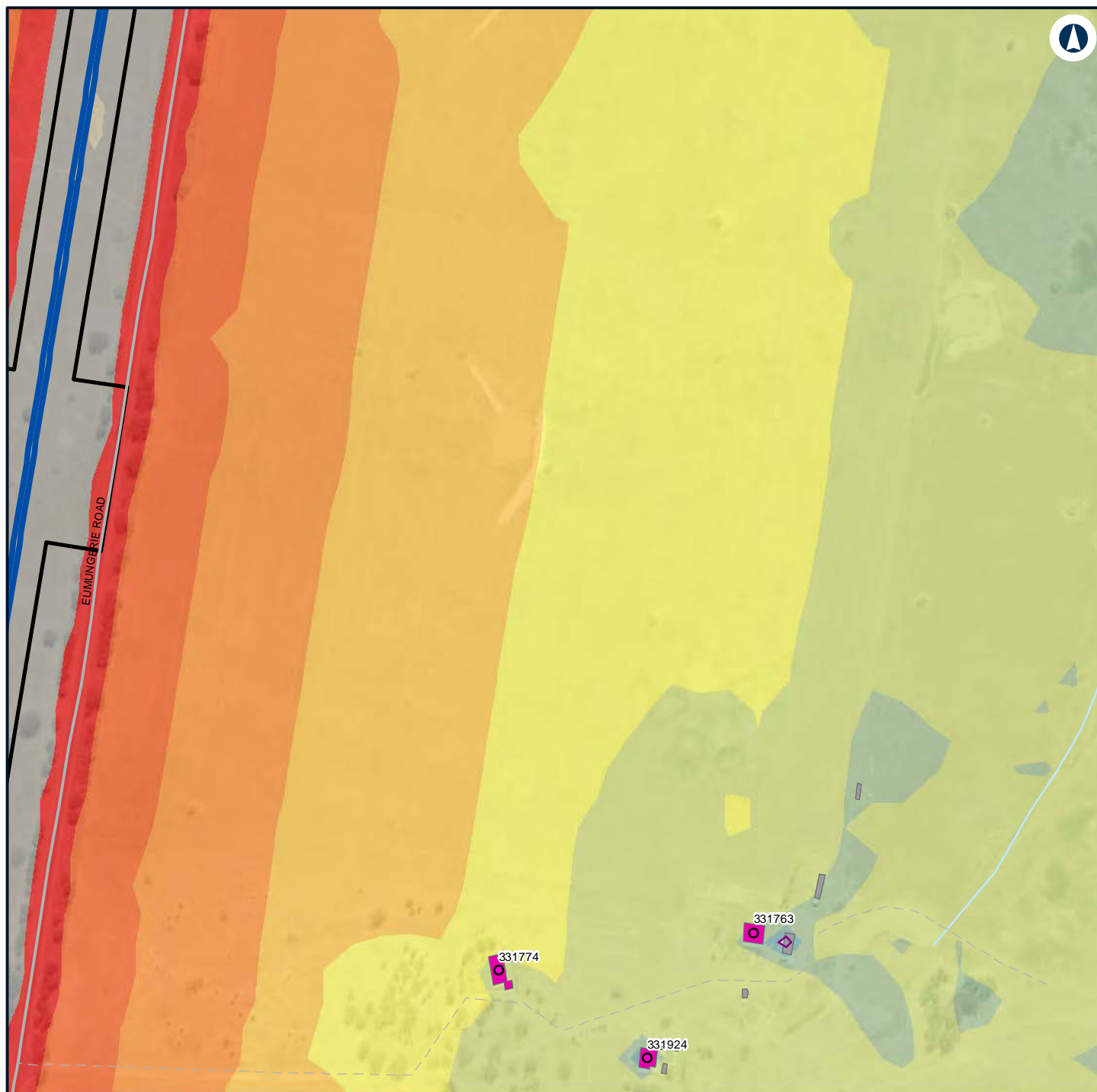
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LEGEND

- Alignment
- Construction footprint

Structure type

- Residential
- Other
- Residential

- Night-time noise management level

Noise level (dBA L) Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55

- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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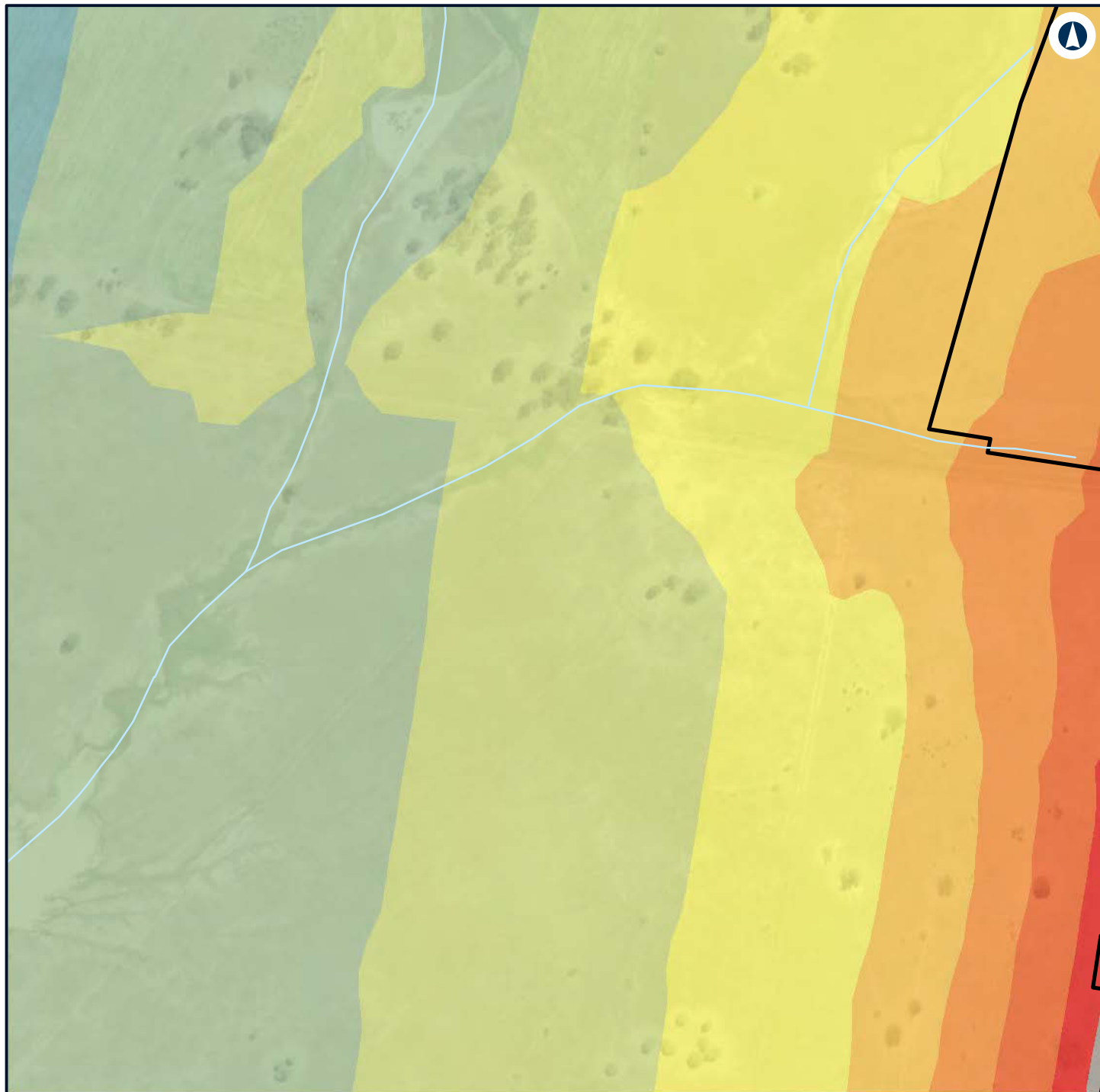
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LEGEND

Construction footprint

**Noise level (dBA L
Aeq 15 minute)**

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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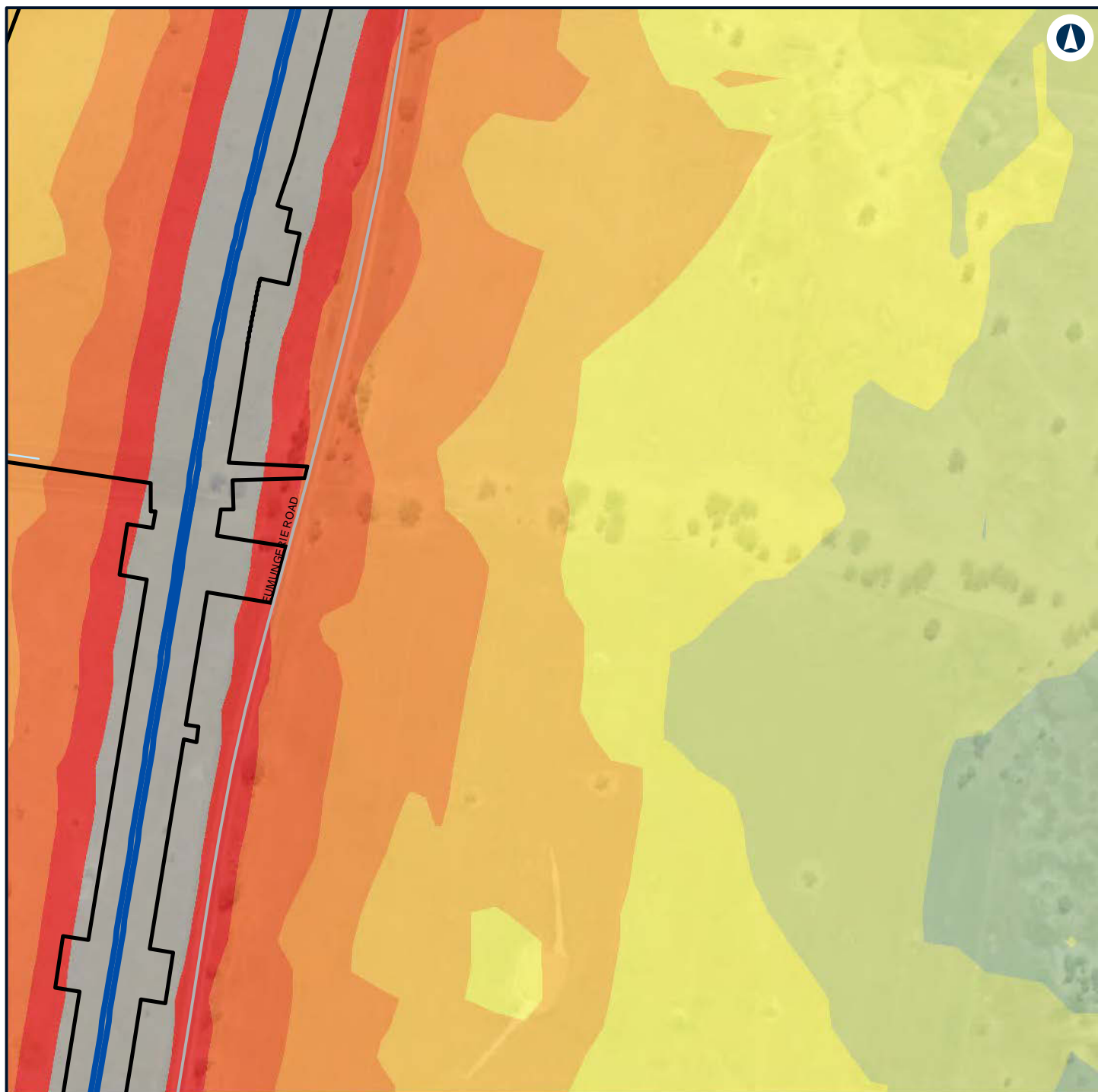
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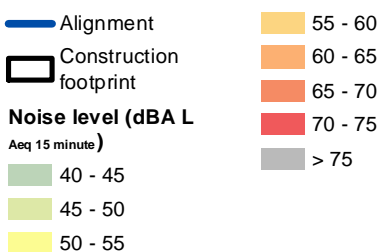
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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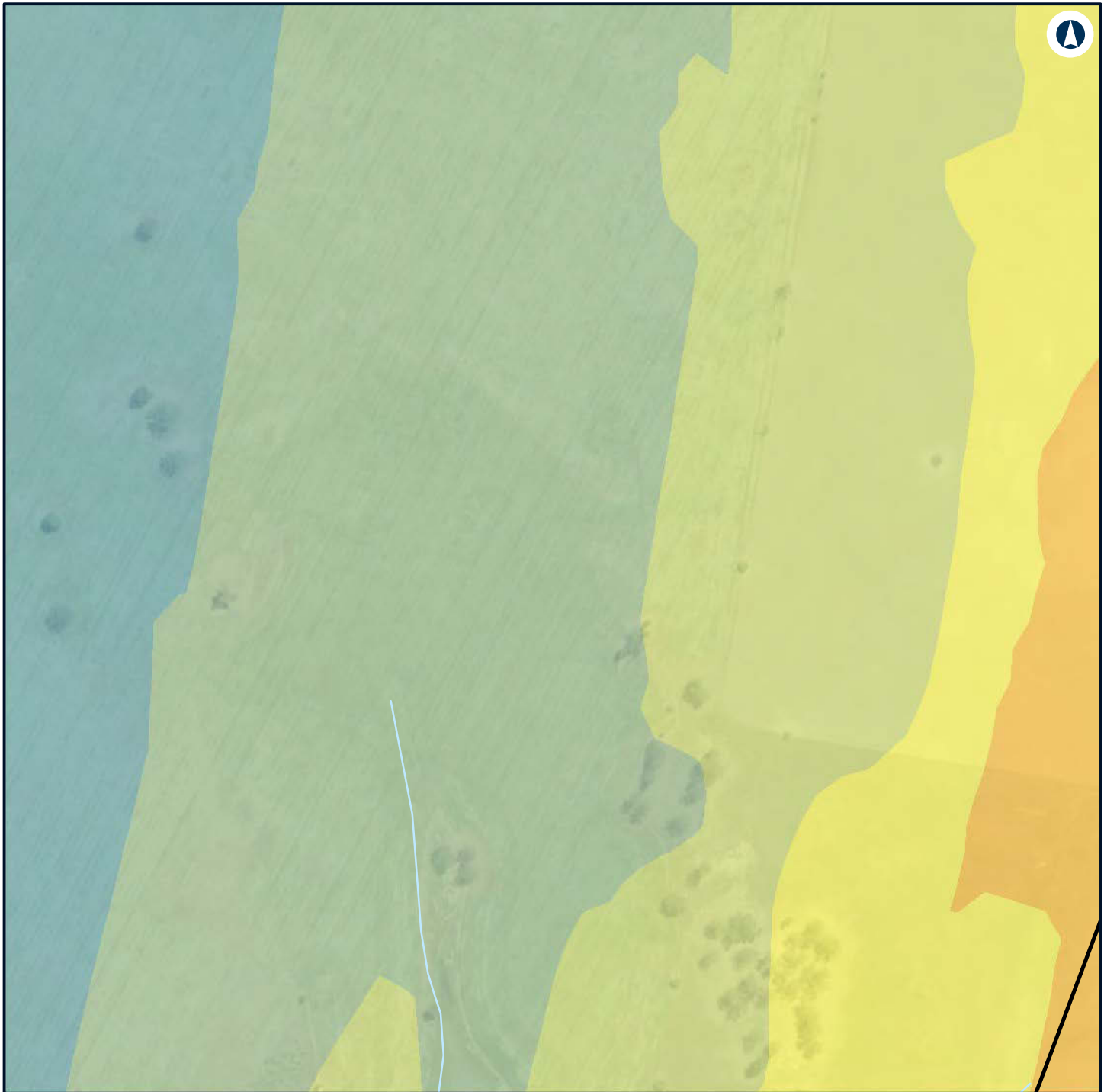
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LEGEND

 Construction footprint

 55 - 60

Noise level (dBA L

Aeq 15 minute)

 35 - 40

 40 - 45

 45 - 50

 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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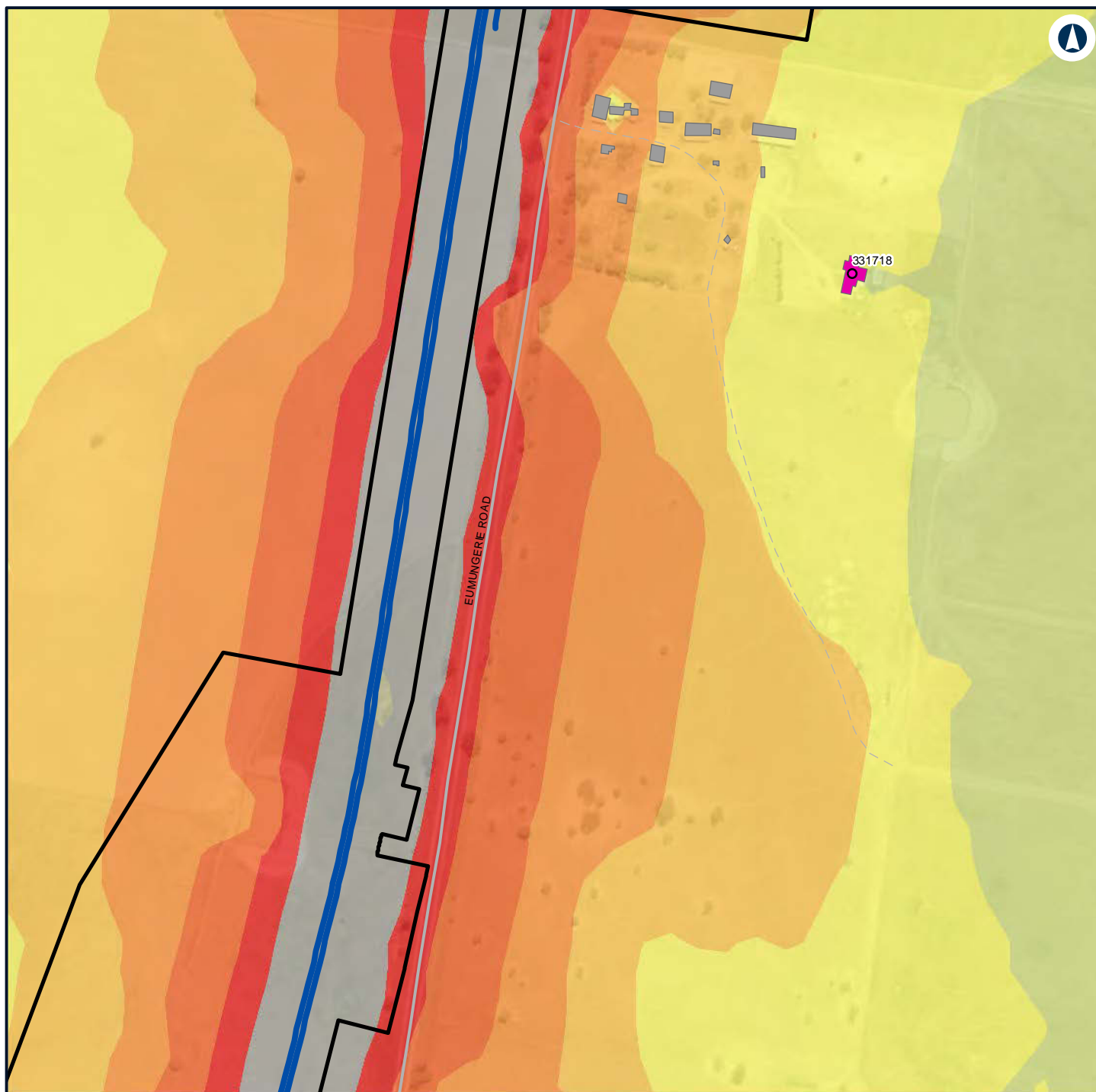
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LEGEND

Alignment

Construction footprint

Structure type

Residential

Other

Residential

Noise level (dBA L
Aeq 15 minute)

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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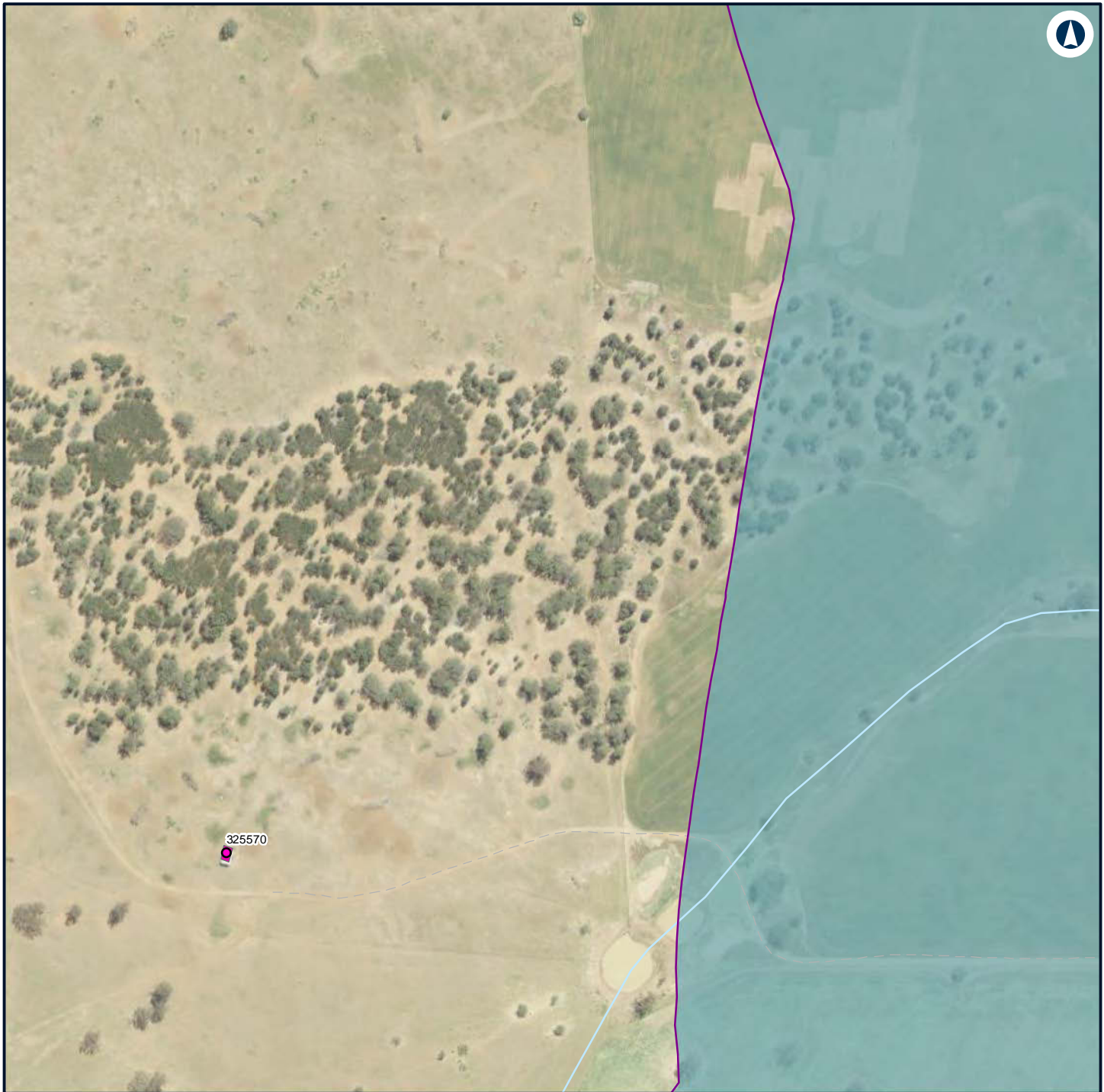
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type

- Residential
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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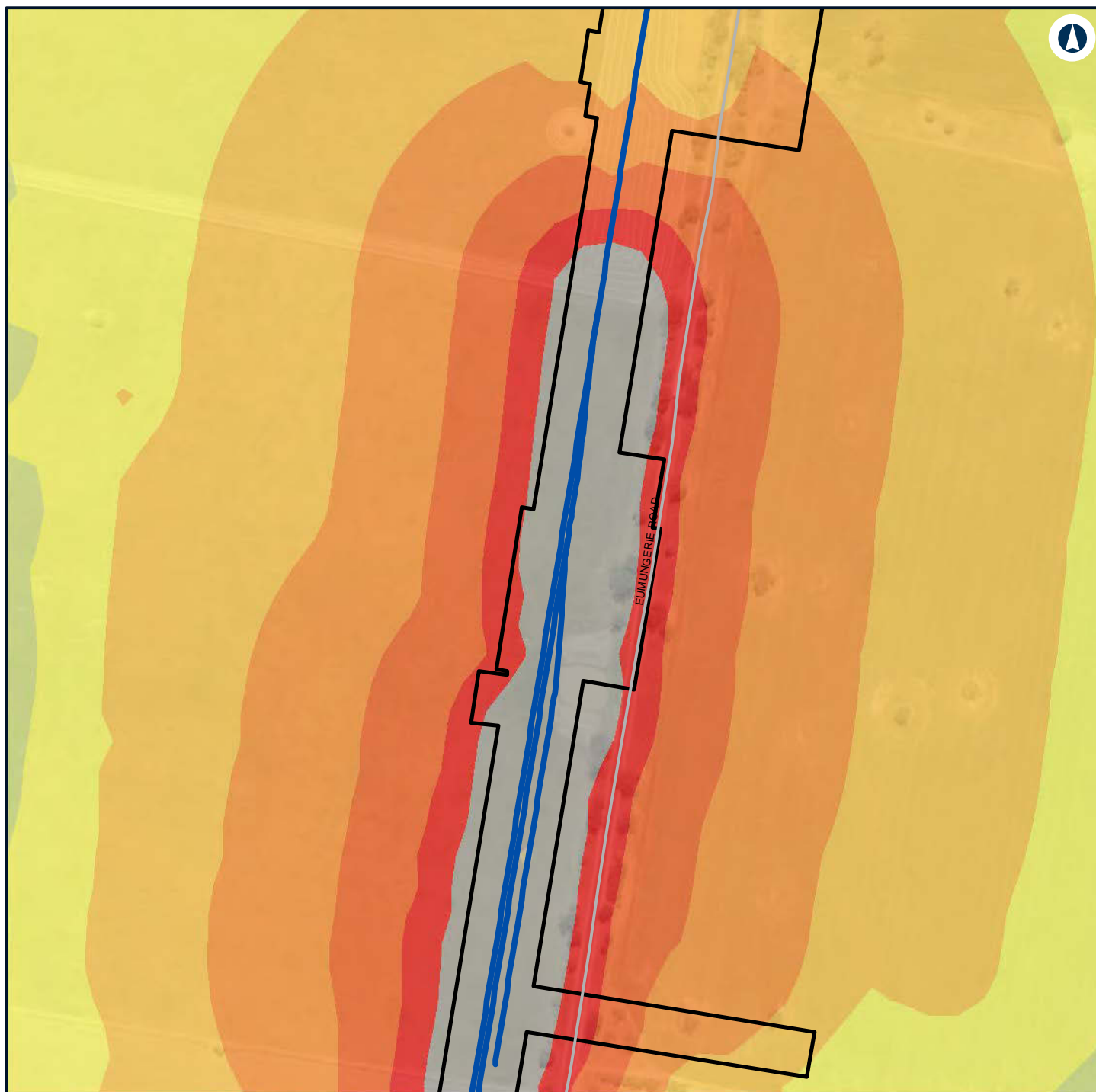
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LEGEND

- Alignment
- Construction footprint
- Noise level (dBA L
Aeq 15 minute)**

- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

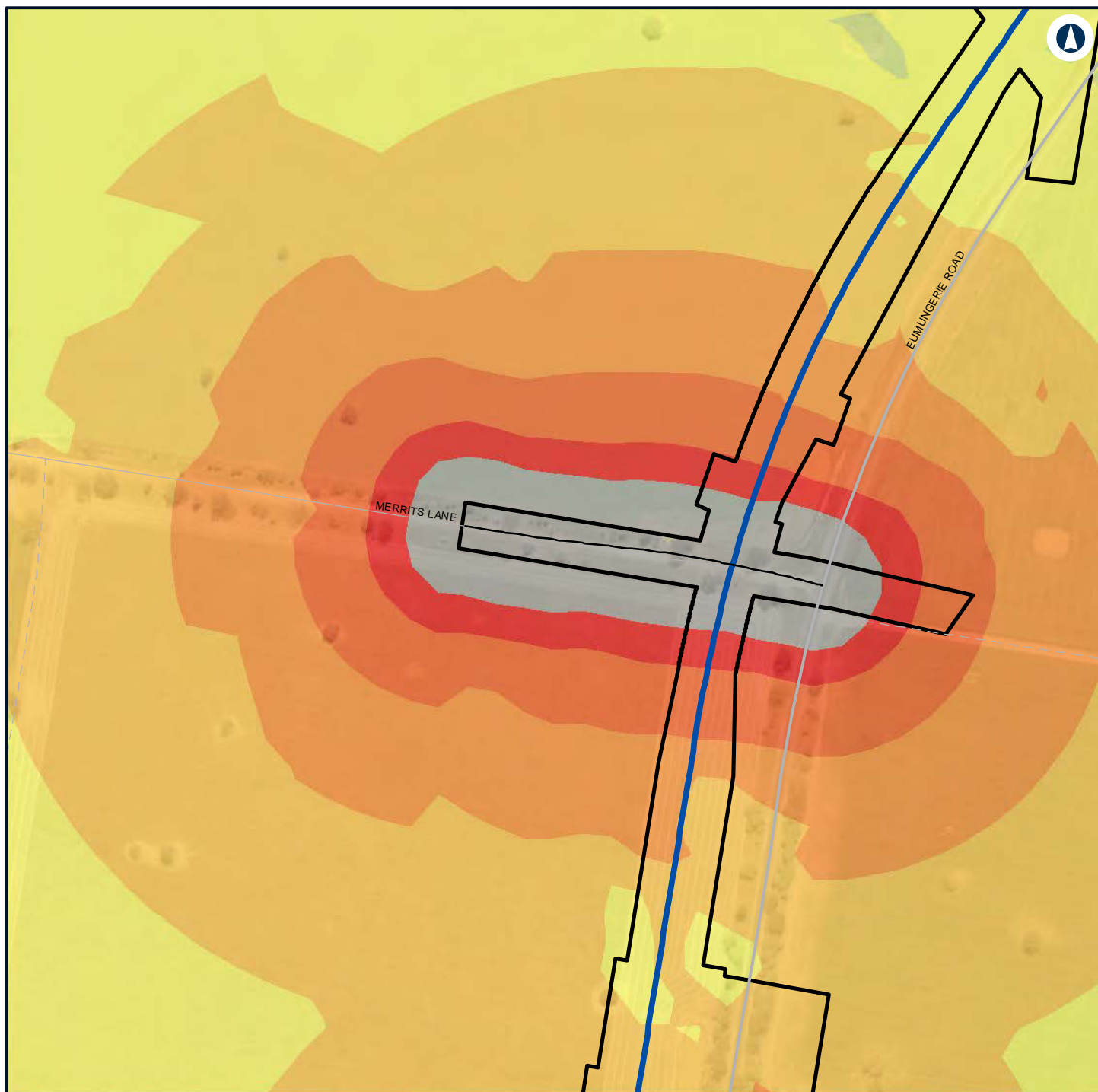
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Road design string
- Construction footprint
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75

Noise level (dBA L Aeq 15 minute)

- 45 - 50
- 50 - 55



NARRABRIE TO NARRABRIE

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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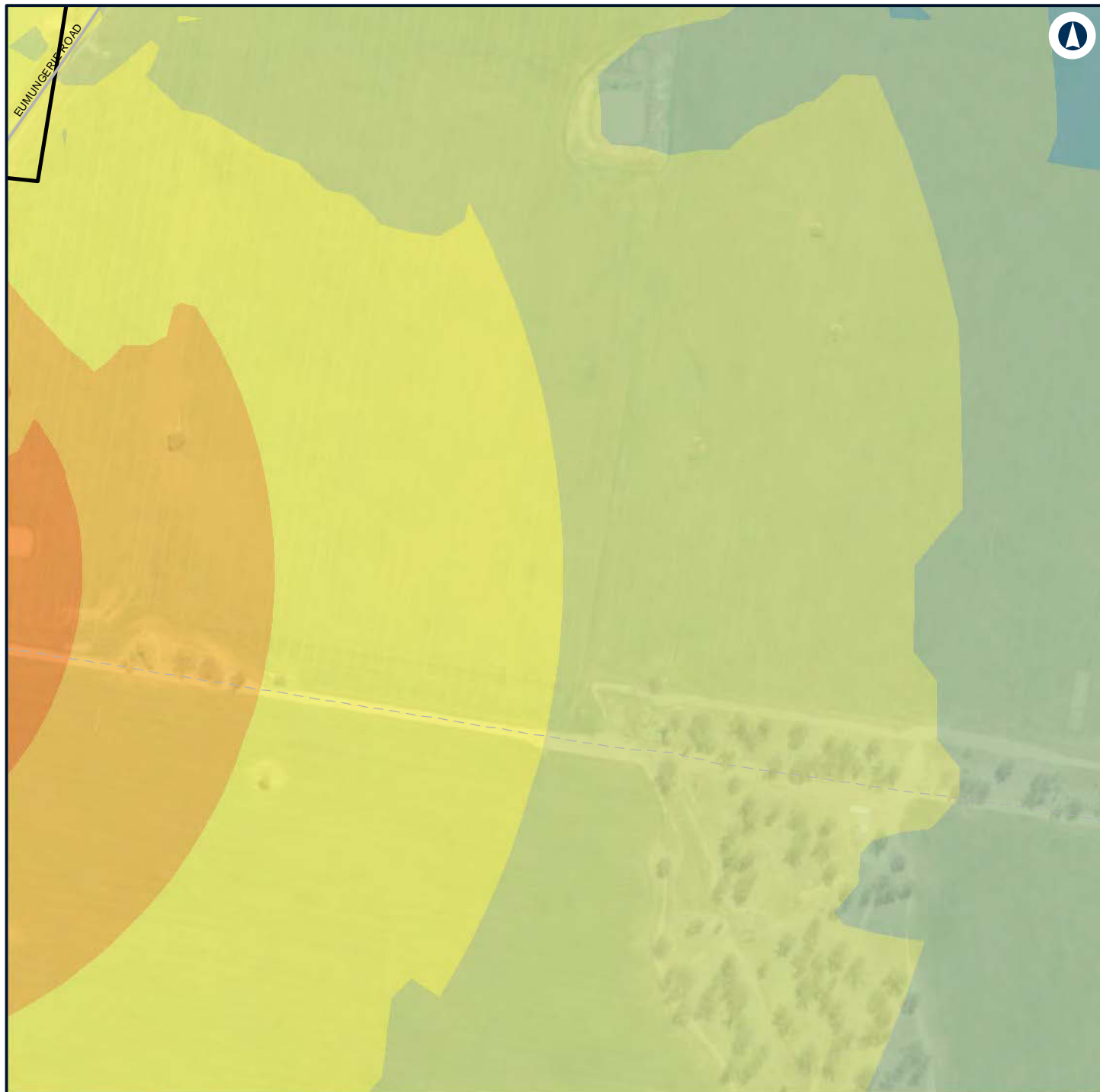
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Construction footprint

55 - 60
 60 - 65

Noise level (dBA L

Aeq 15 minute)

35 - 40
 40 - 45
 45 - 50
 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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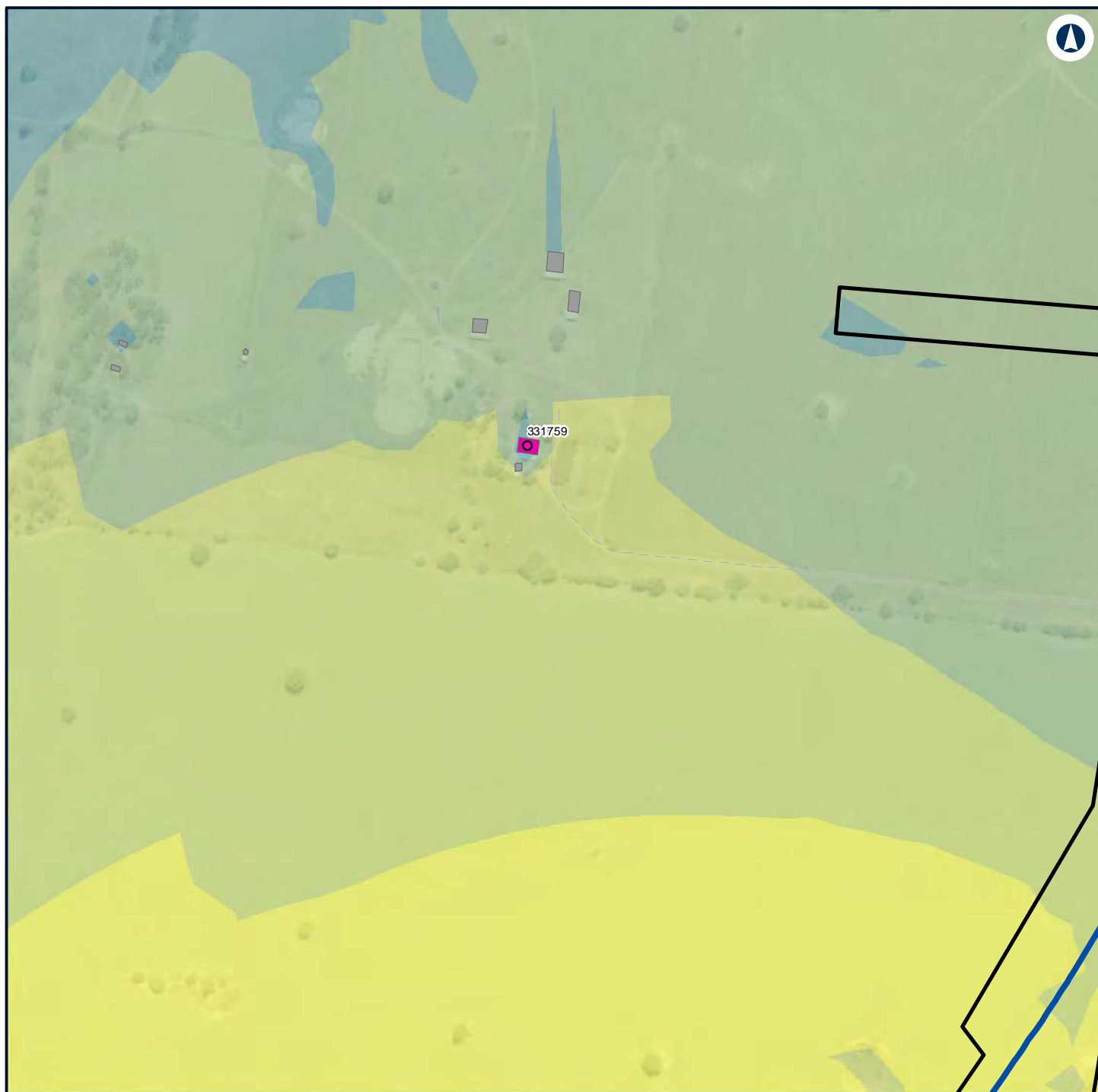
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LEGEND

- Alignment
- Construction footprint
- Structure type**
- Residential
- Other
- Residential

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

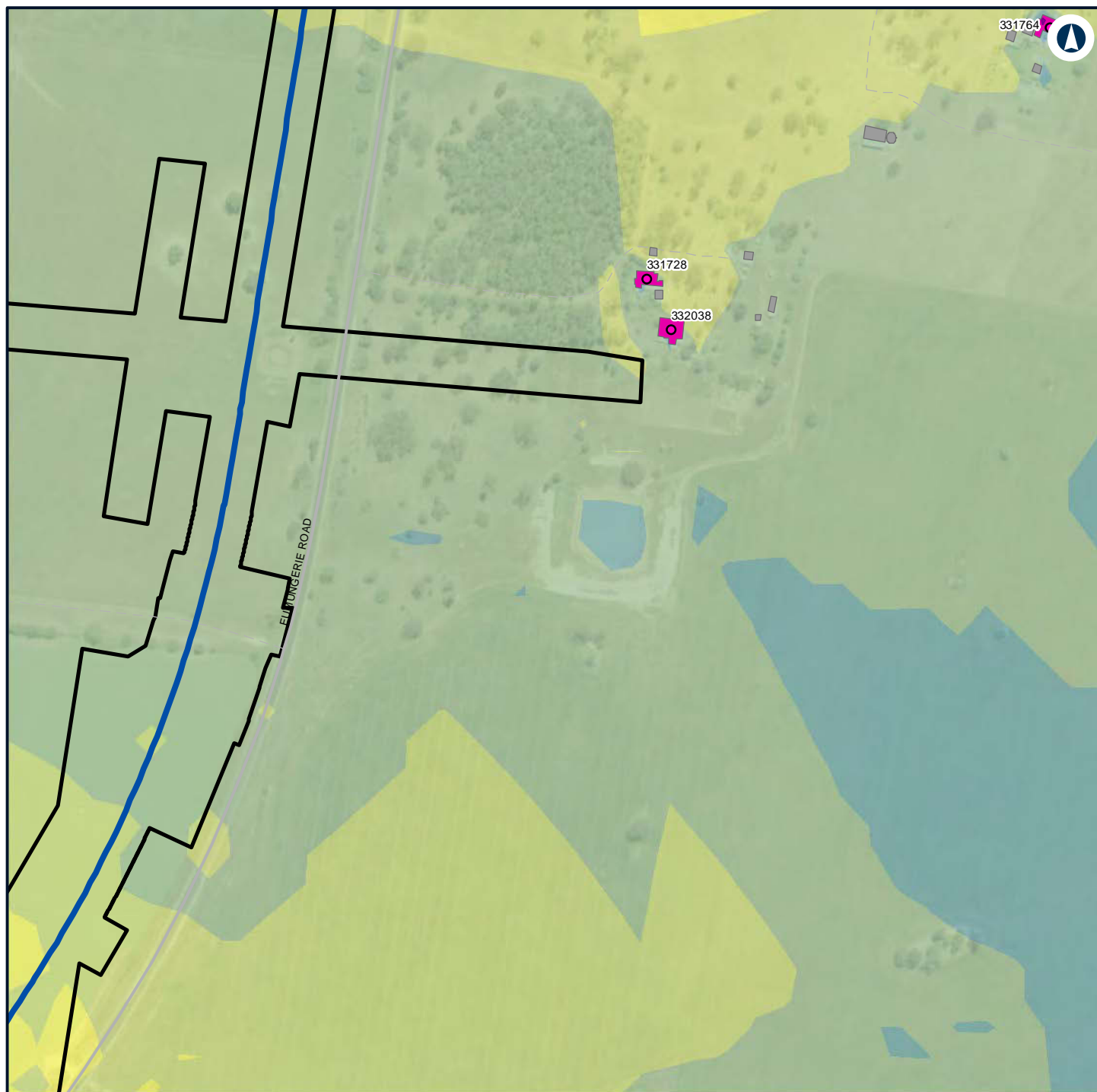
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LEGEND

- Alignment
- Construction footprint
- Structure type**
 - Residential
 - Other
 - Residential
- Night-time noise management level
- Noise level (dBA L Aeq 15 minute)**
 - 35 - 40
 - 40 - 45
 - 45 - 50
 - 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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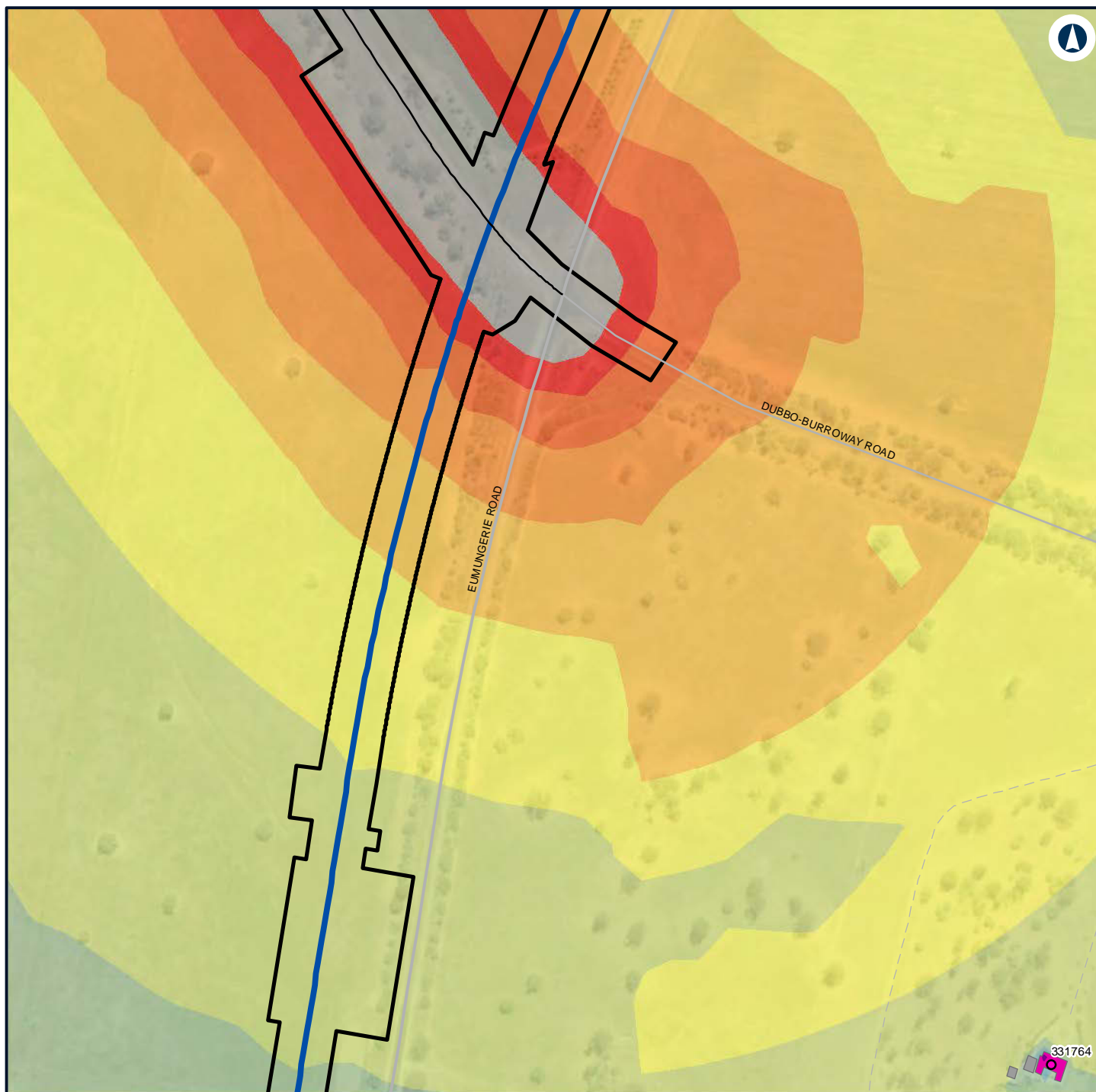
Author: GHD

Scale: 1:5,000

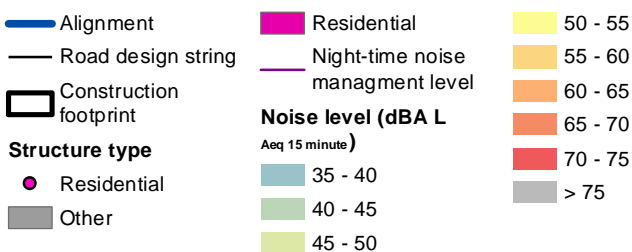
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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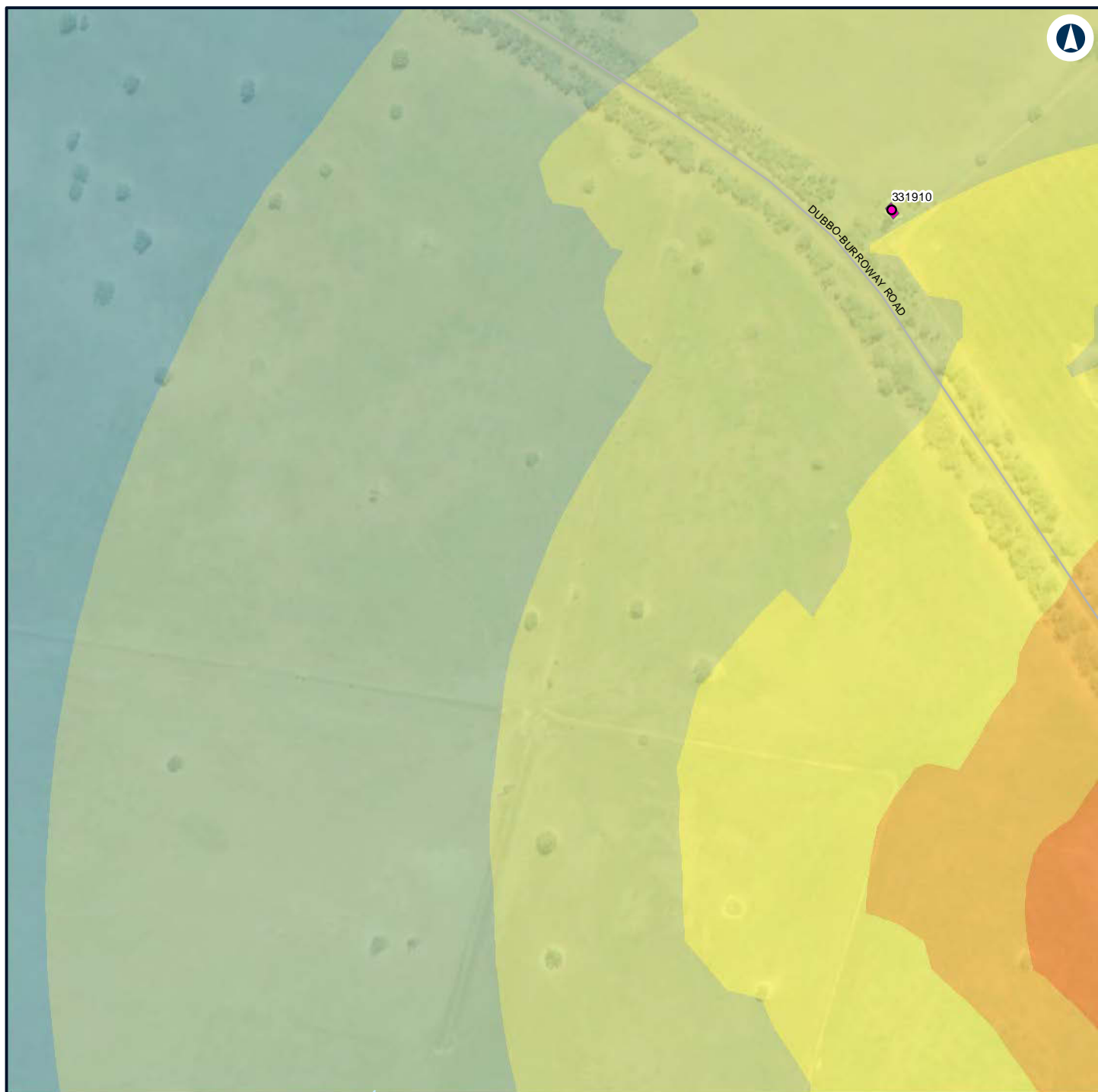
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LEGEND

Structure type		45 - 50
● Residential		50 - 55
■ Residential		55 - 60
Noise level (dBA L Aeq 15 minute)		60 - 65
		35 - 40
		40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

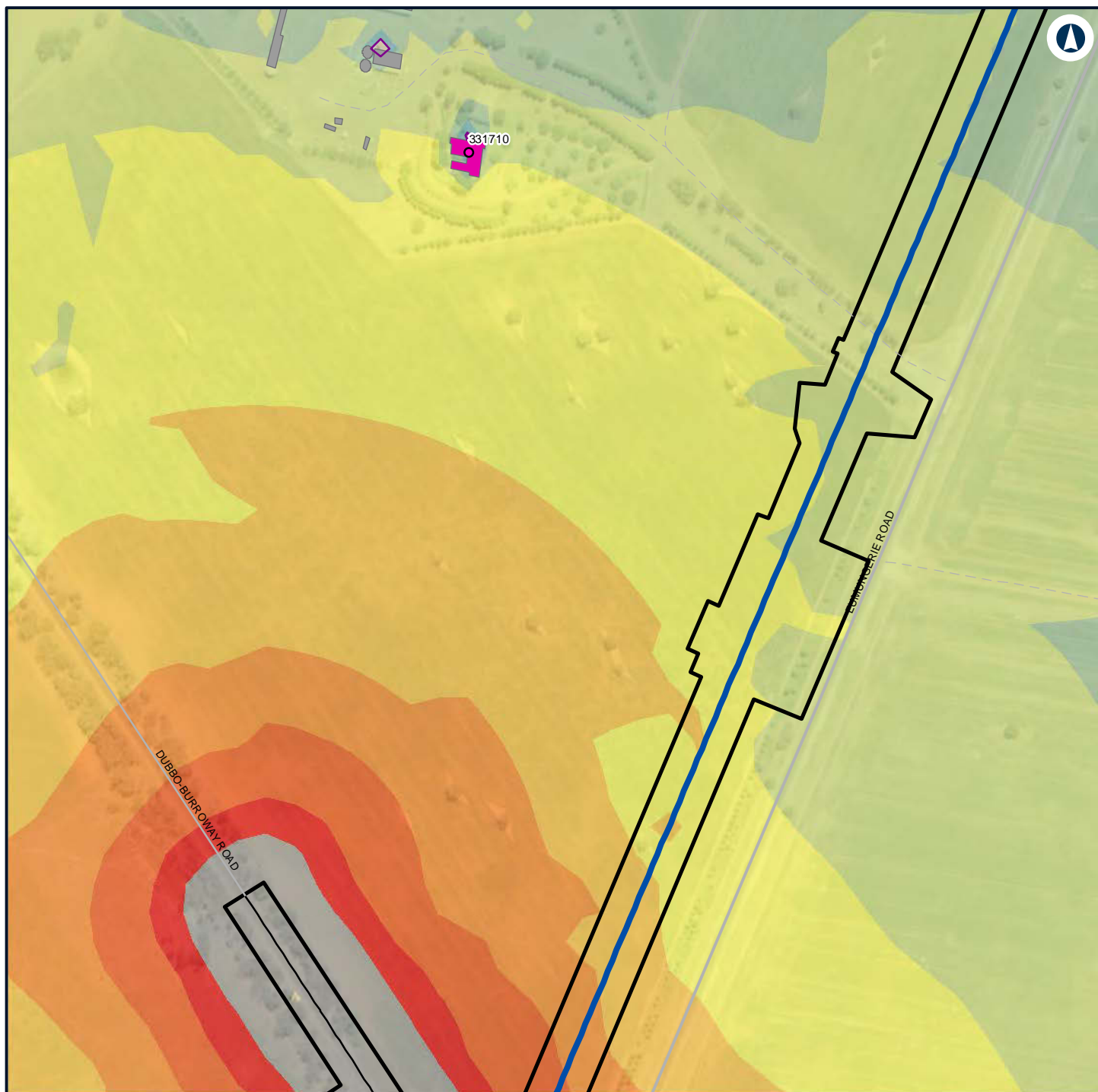
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LEGEND

— Alignment

— Road design string

▭ Construction footprint

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L Aeq 15 minute)

■ 35 - 40

■ 40 - 45

■ 45 - 50

■ 50 - 55

■ 55 - 60

■ 60 - 65

■ 65 - 70

■ 70 - 75

■ > 75



NARRABINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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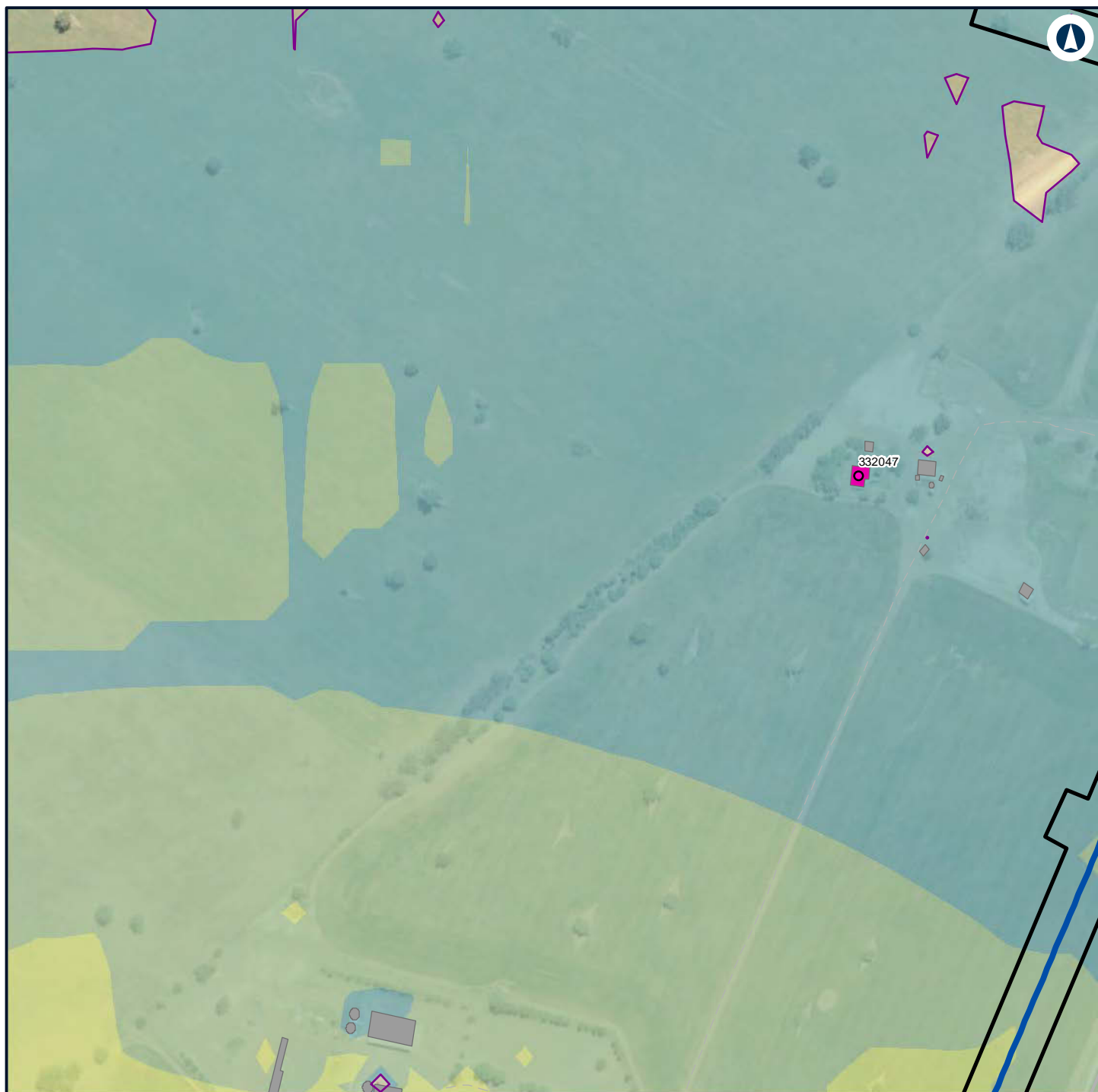
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LEGEND

- Alignment
- Construction footprint

Structure type

- Residential
- Other
- Residential

- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARRABINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

**Noise level (dBA L
Aeq 15 minute)**

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

 35 - 40



NARRABINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARRAMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARRAMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 98 of 554

0 0.1 0.2
Km

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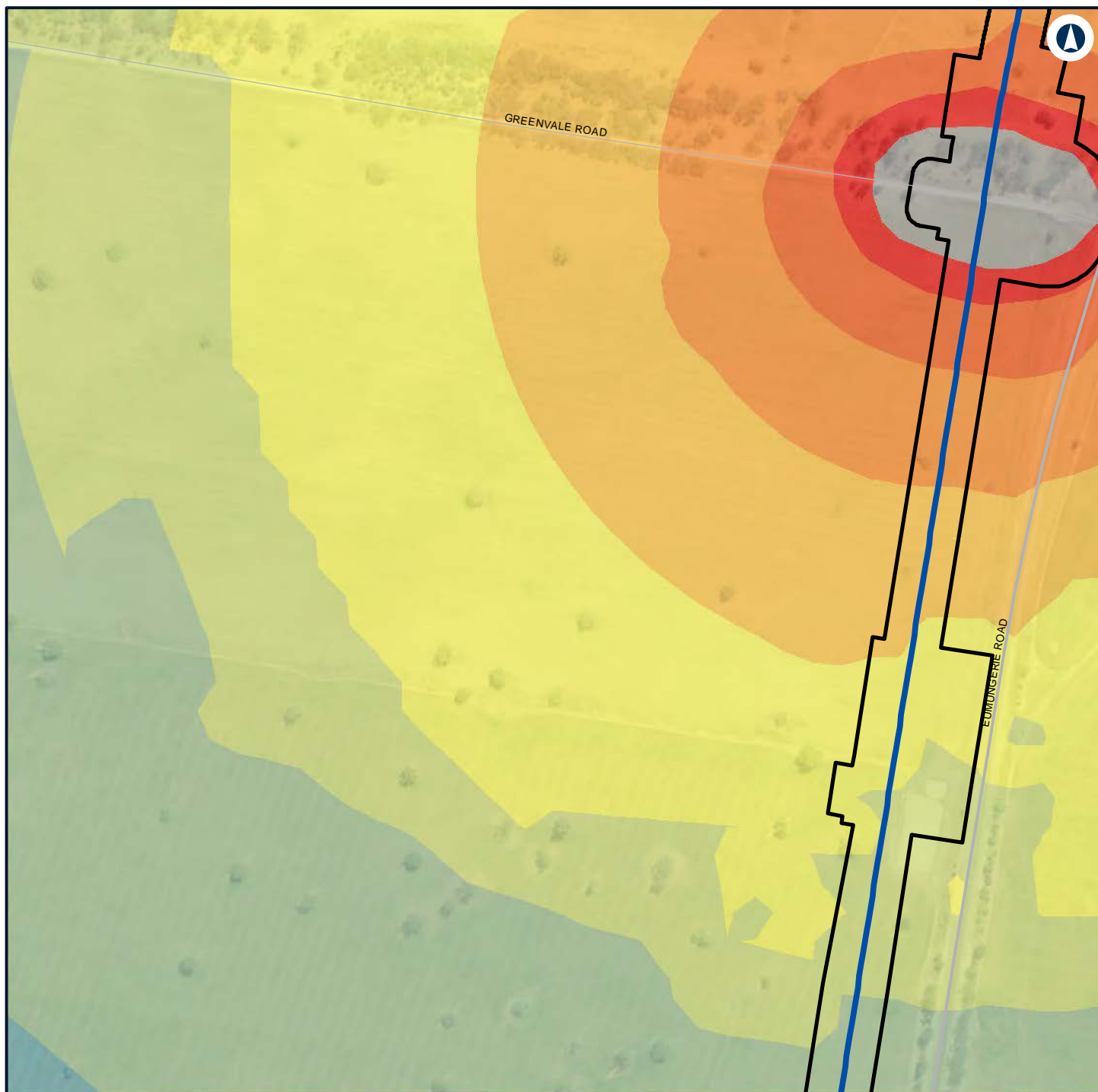
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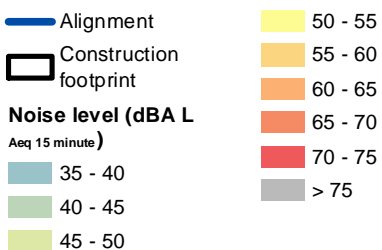
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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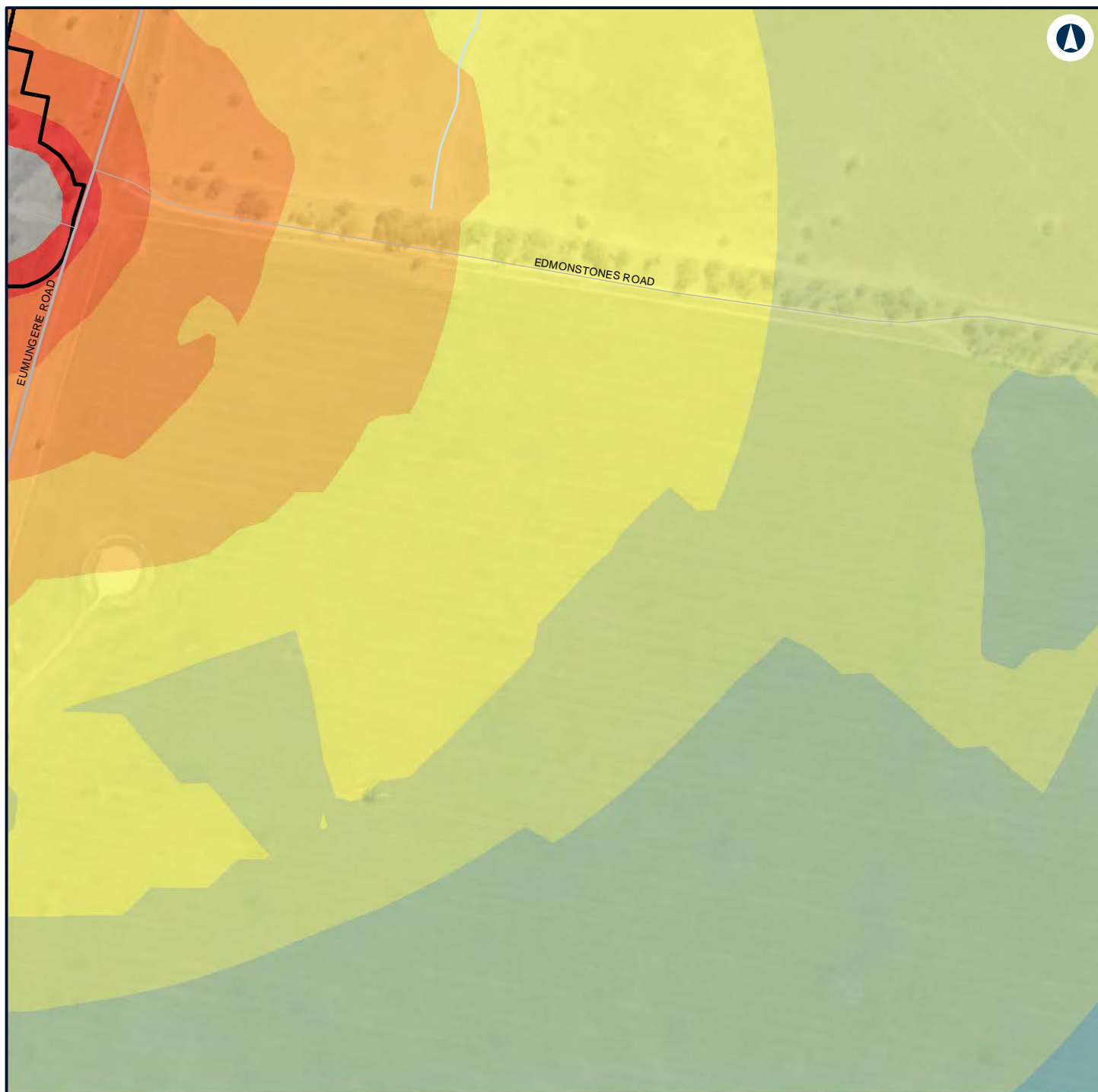
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LEGEND

Construction footprint

**Noise level (dBA L
Aeq 15 minute)**

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARRAMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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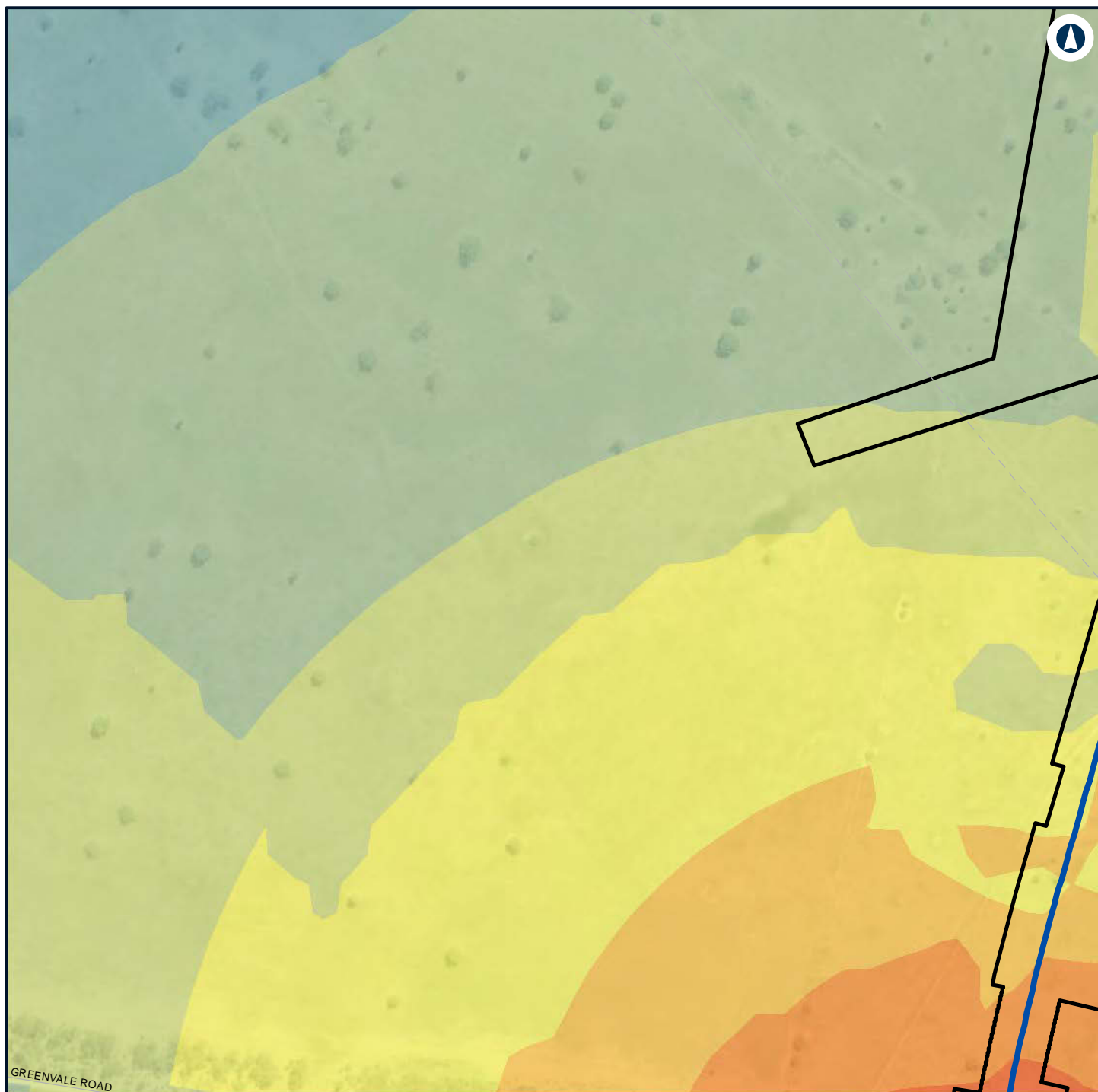
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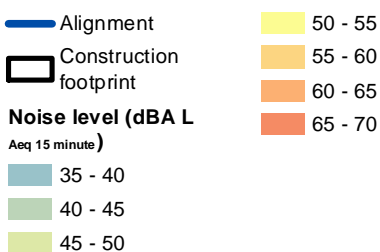
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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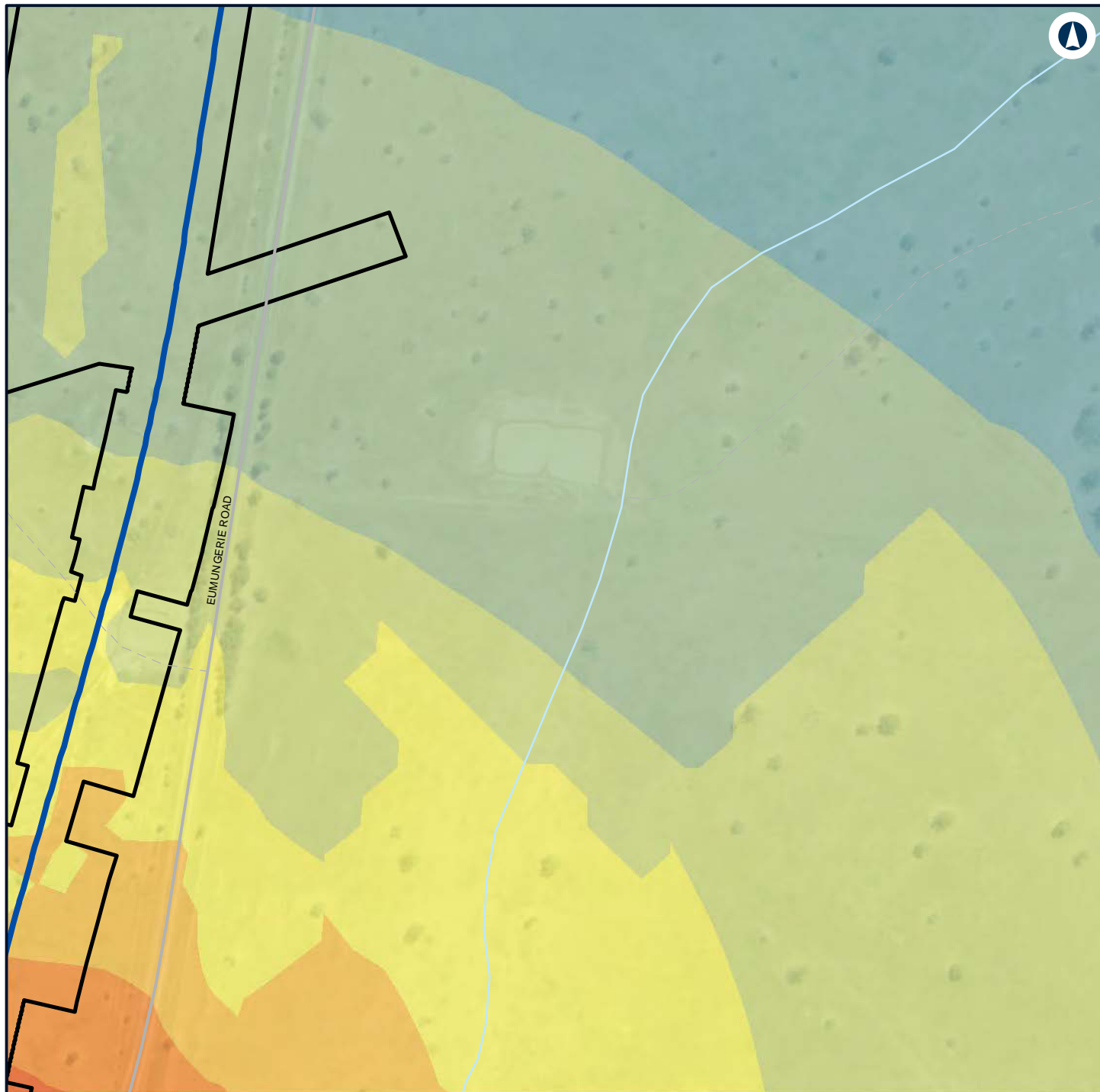
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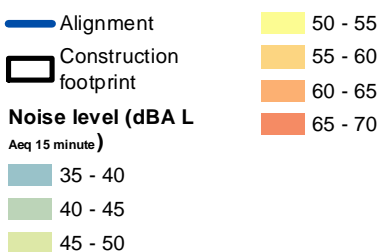
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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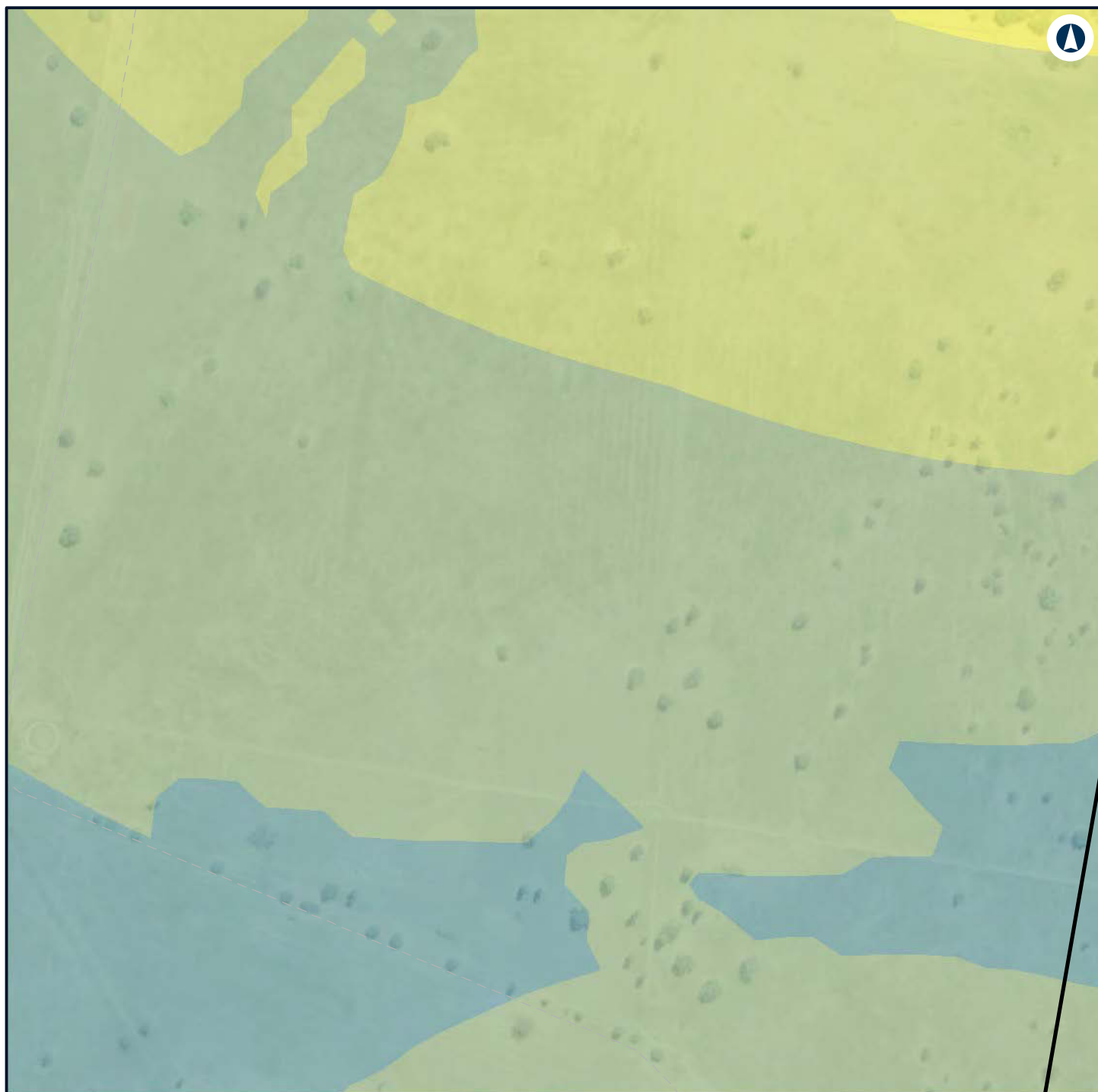
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LEGEND

 Construction footprint

Noise level (dBA L

Aeq 15 minute)

-  35 - 40
-  40 - 45
-  45 - 50
-  50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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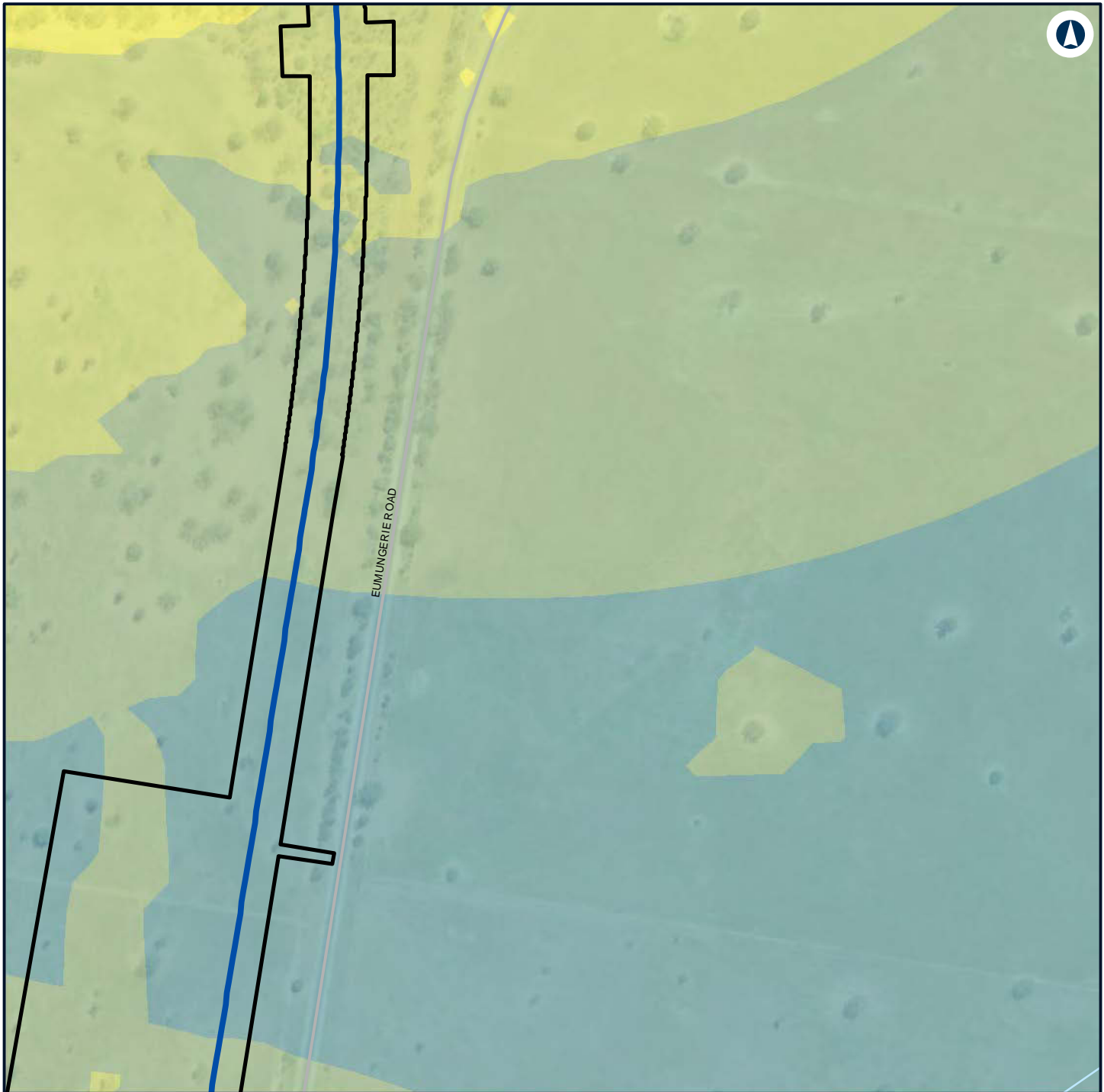
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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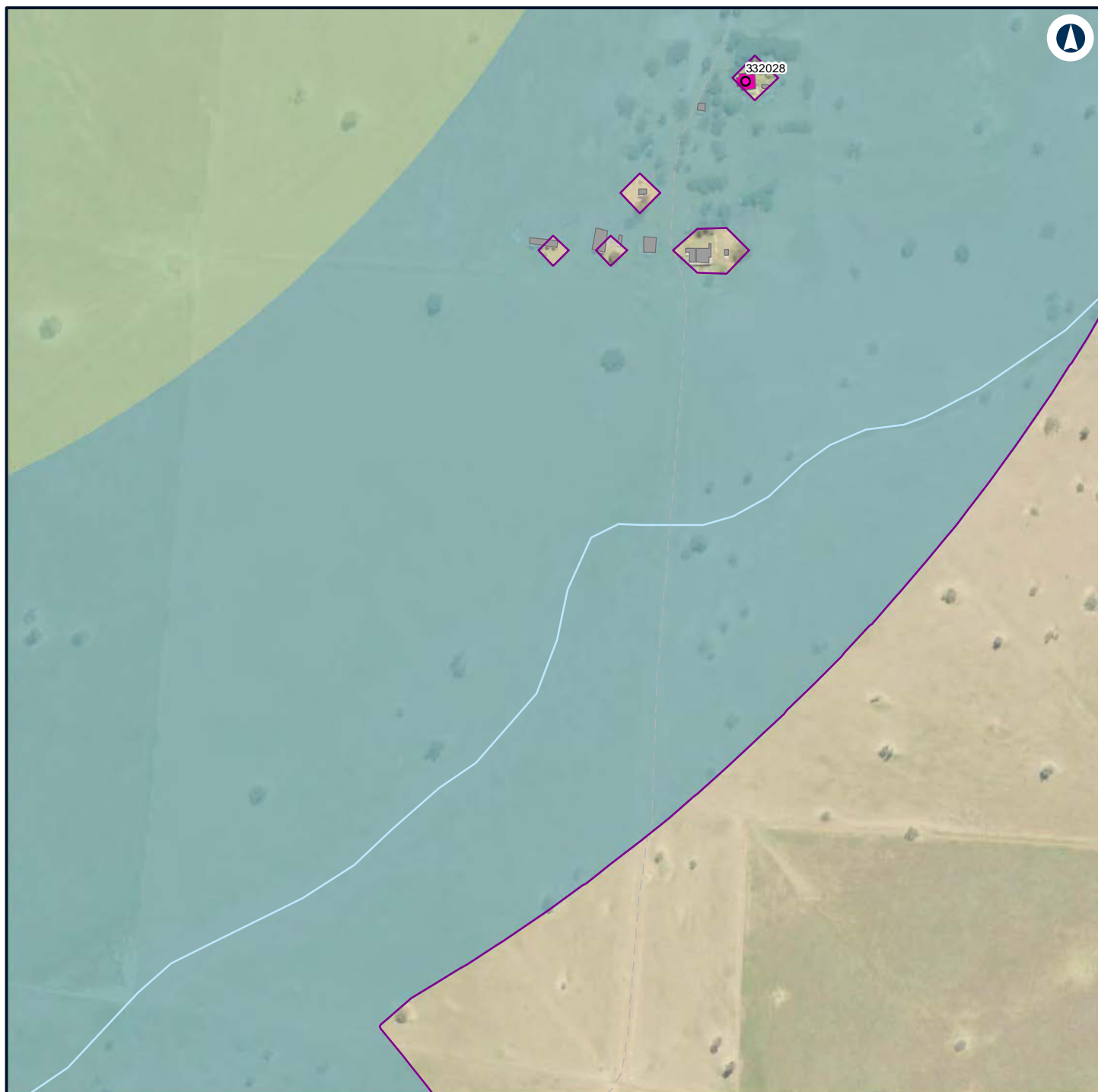
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

- Aeq 15 minute)
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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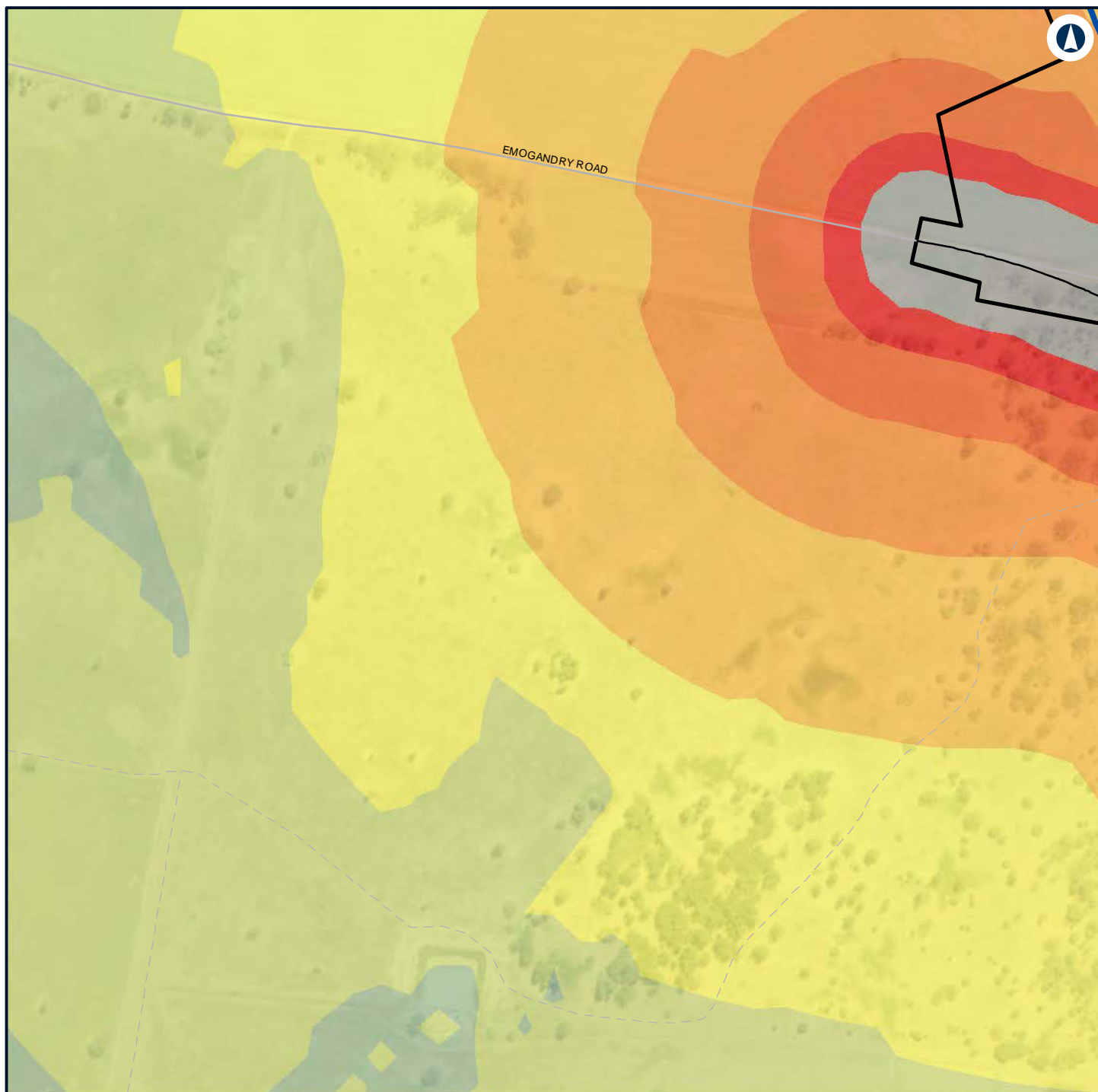
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
 - 40 - 45
 - 45 - 50
 - 50 - 55
 - 55 - 60
 - 60 - 65
 - 65 - 70
 - 70 - 75
 - > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

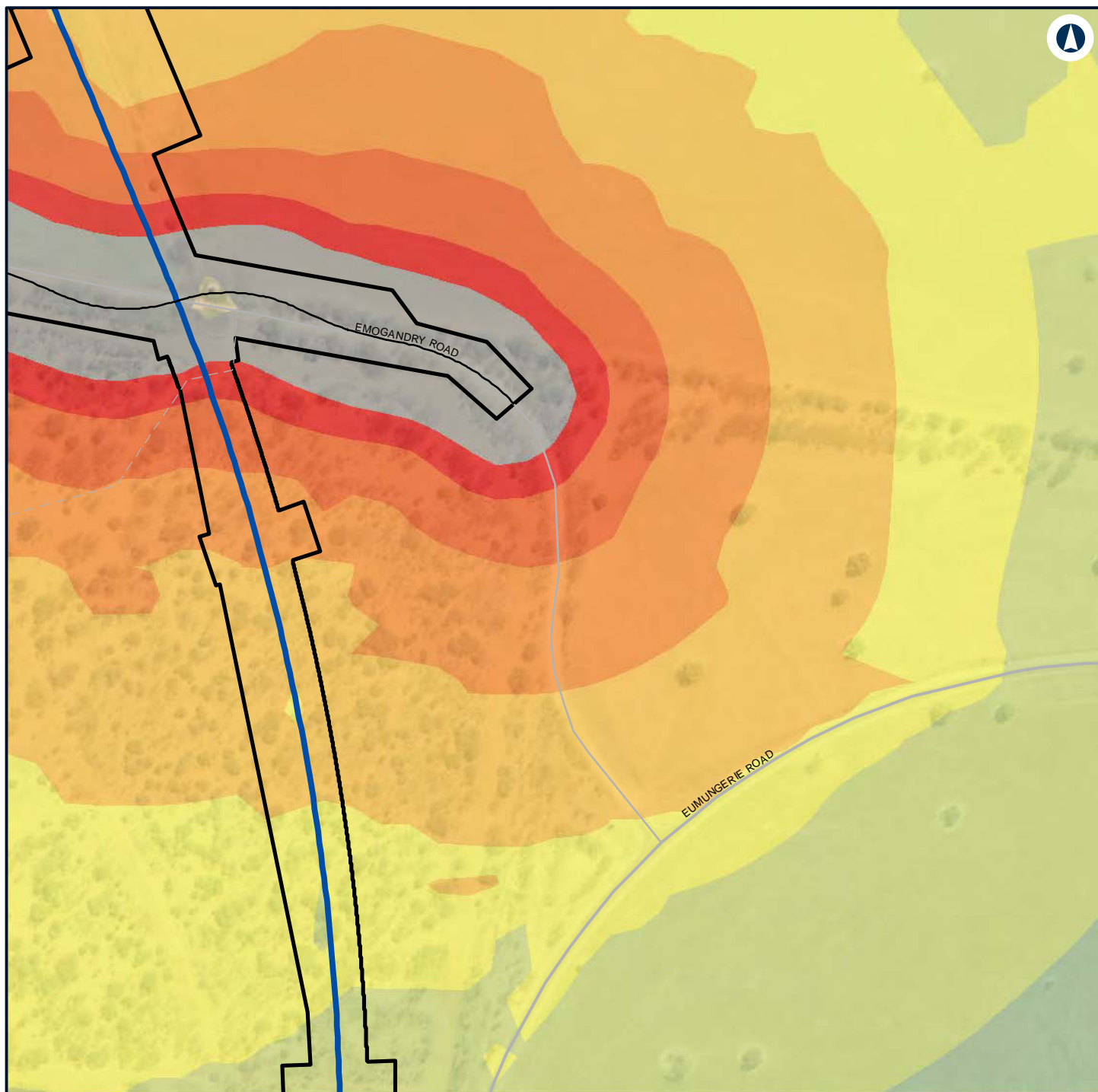
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Author: GHD Scale: 1:5,000
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARRABINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 107 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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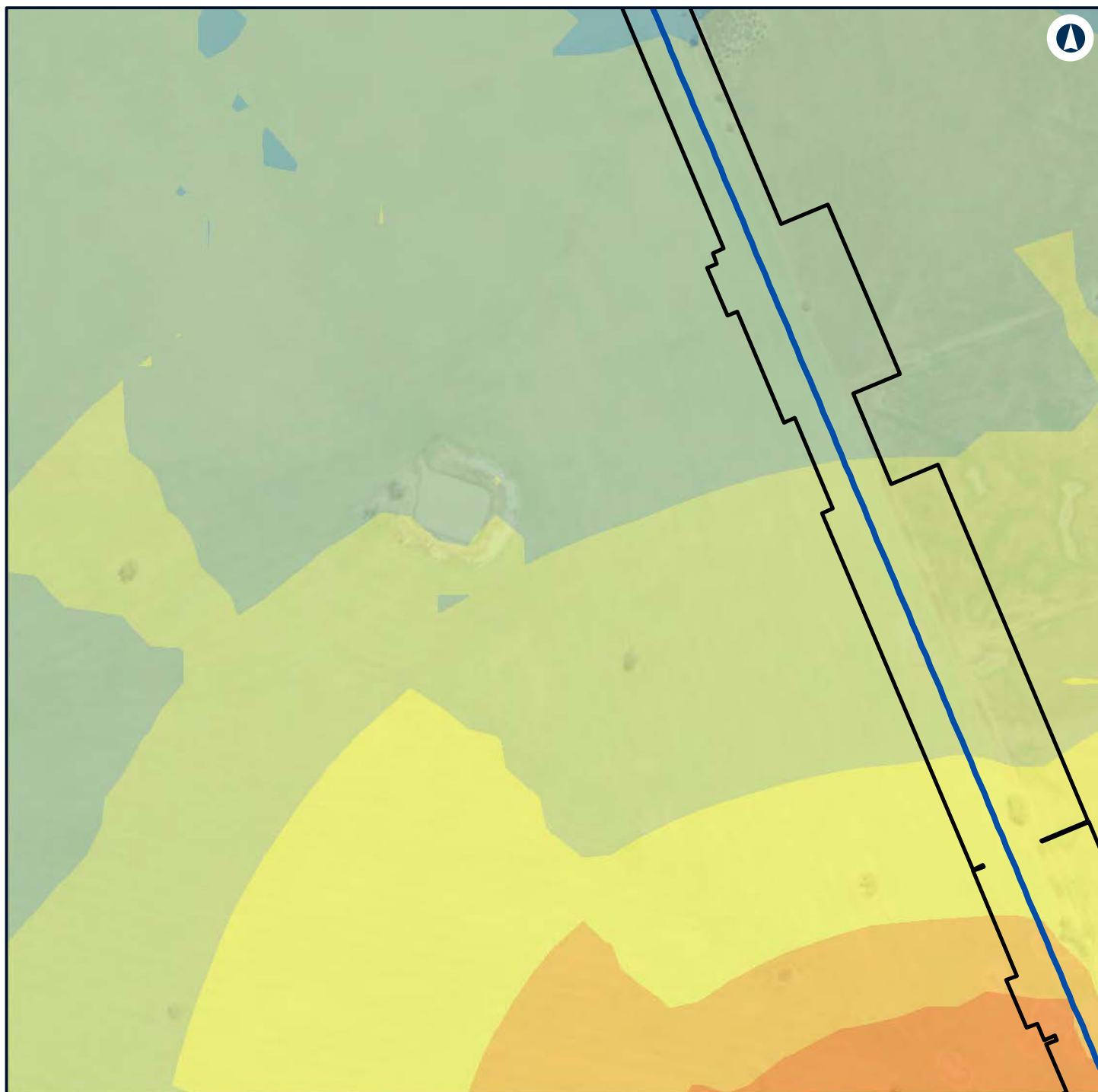
Author: GHD

Scale: 1:5,000

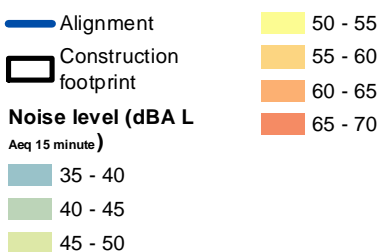
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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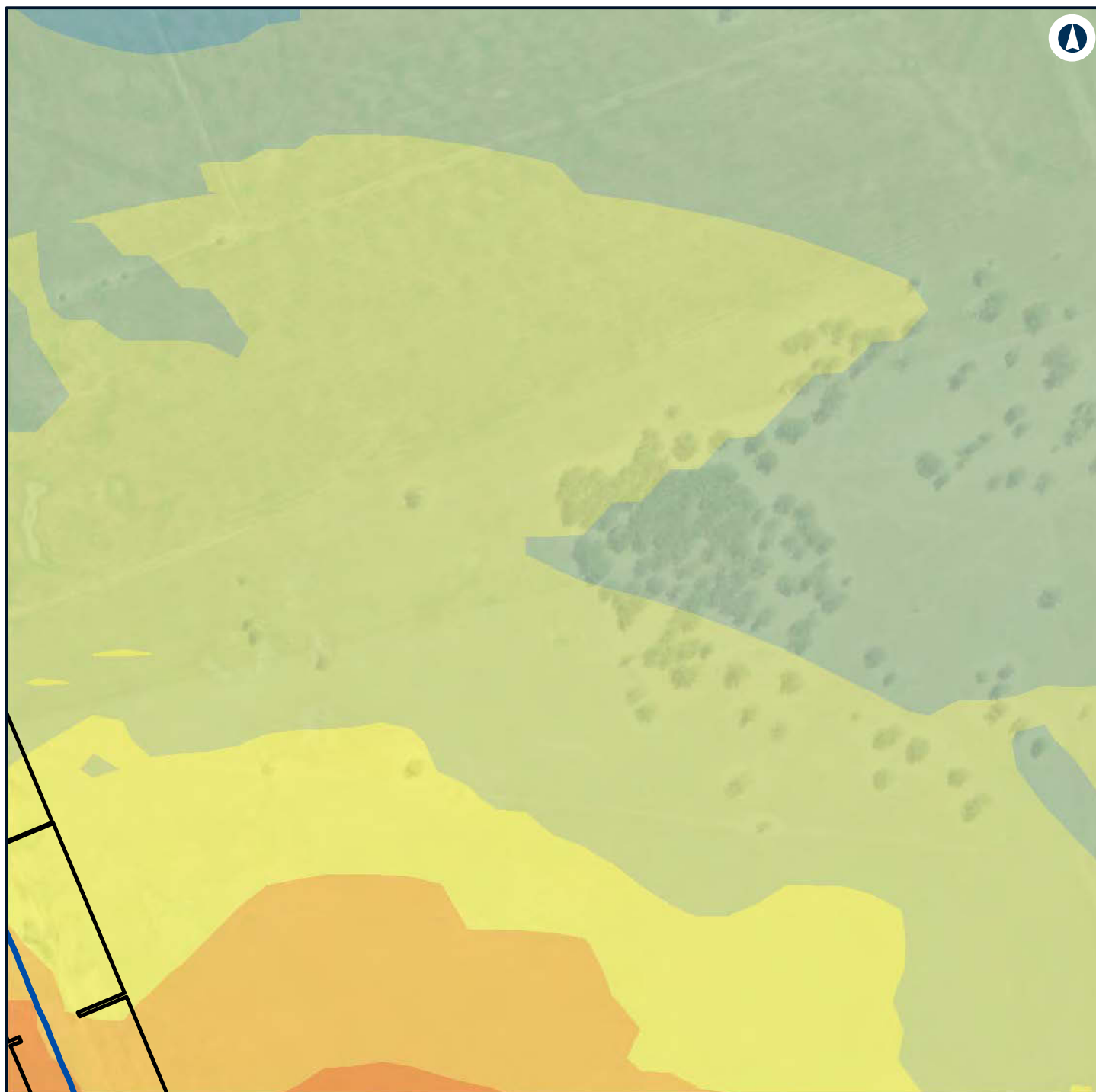
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60
- 60 - 65

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 109 of 554

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 110 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 111 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARRABRIE TO NARRABRIE

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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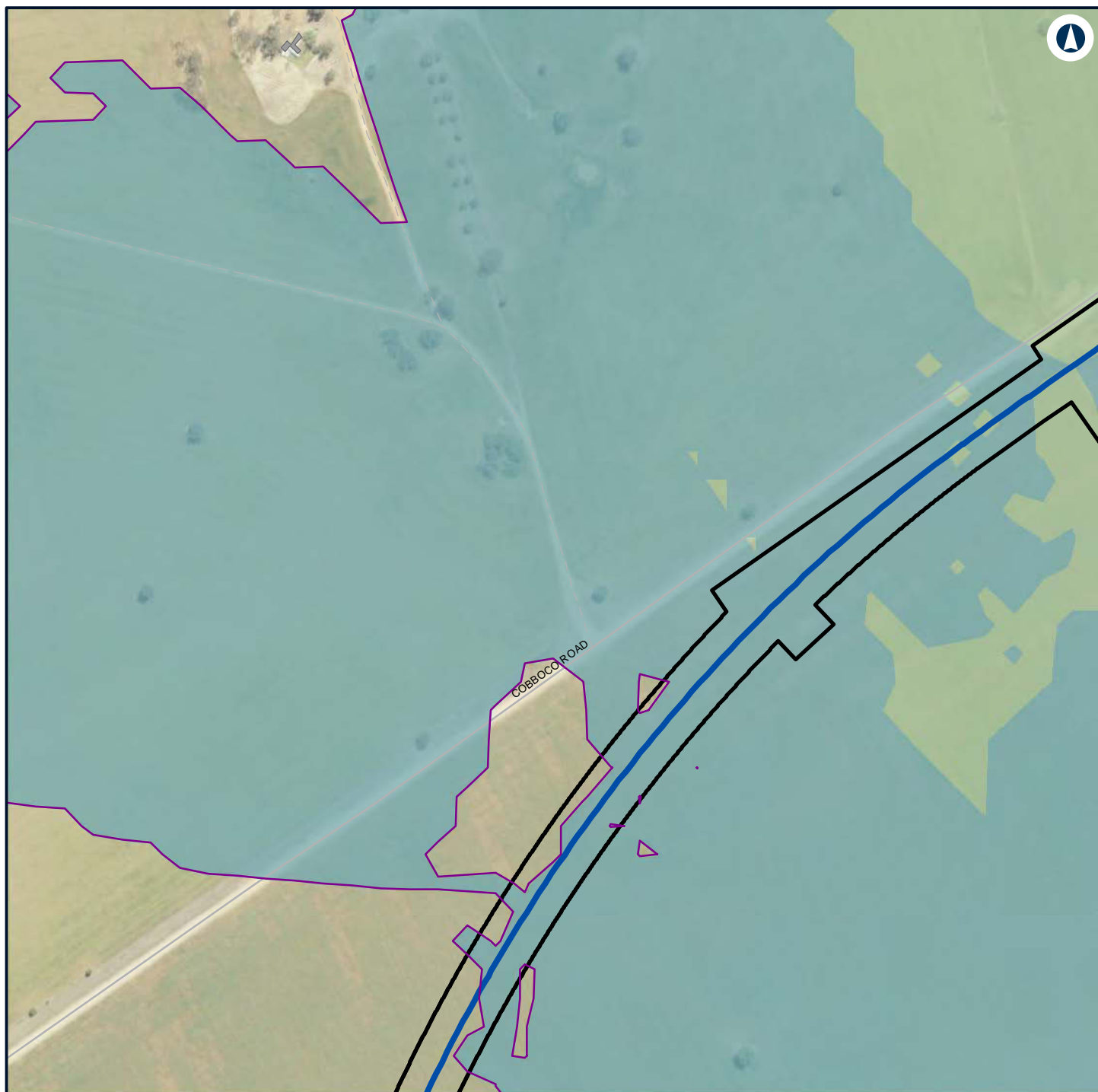
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

**Noise level (dBA L
Aeq 15 minute)**

- 35 - 40
- 40 - 45



NARRABINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 113 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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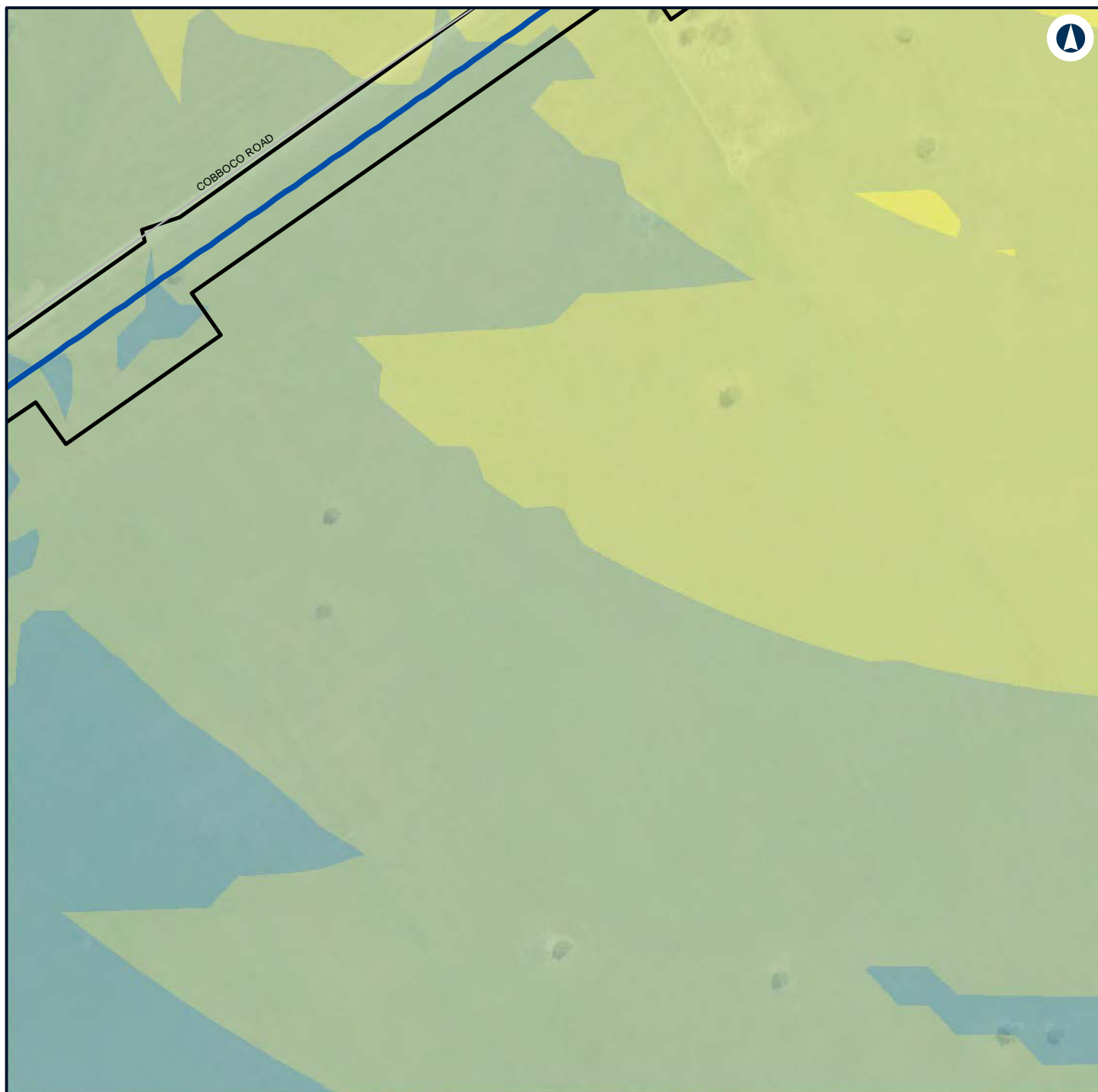
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LEGEND

- Alignment
- Construction footprint

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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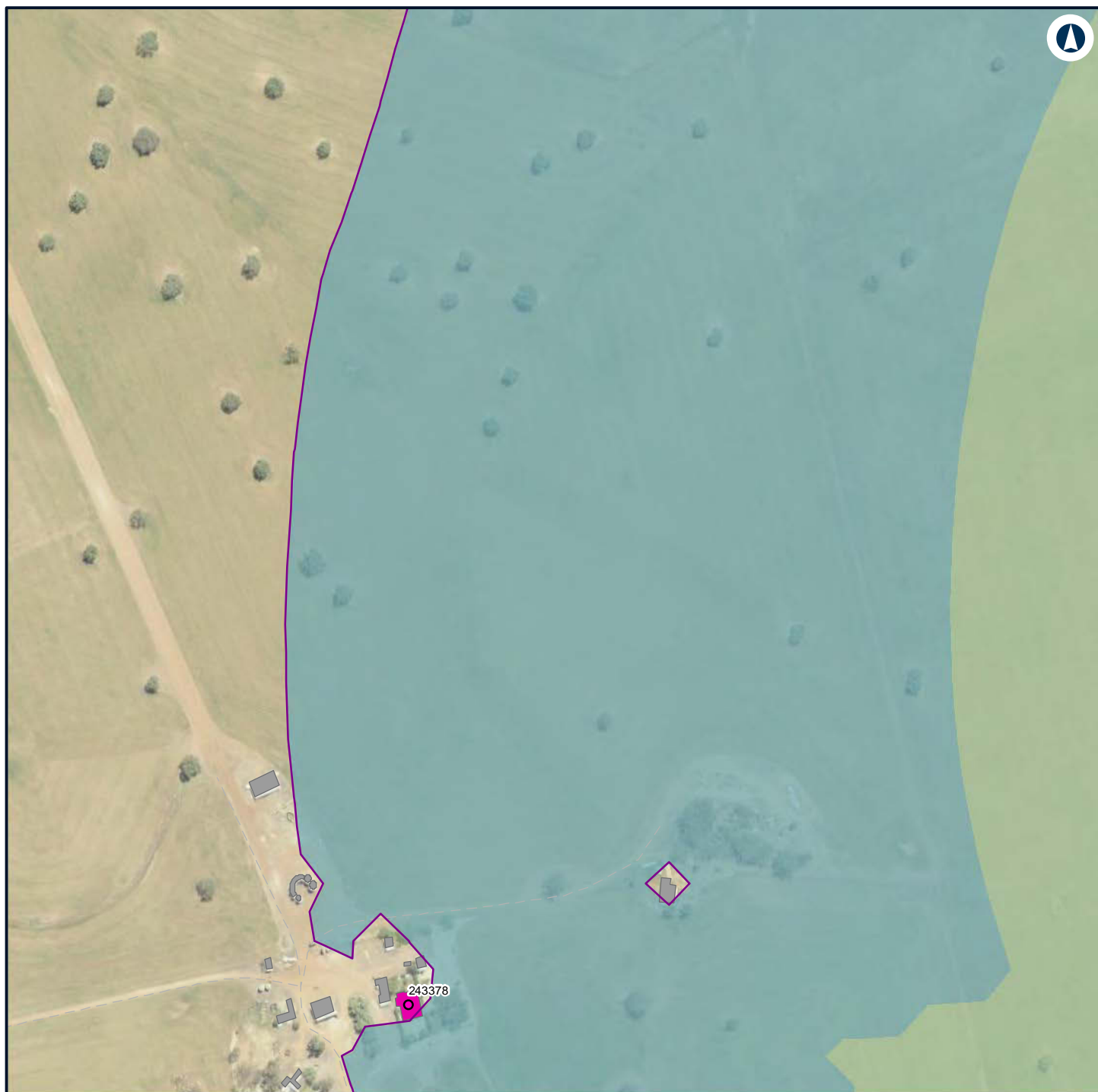
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 115 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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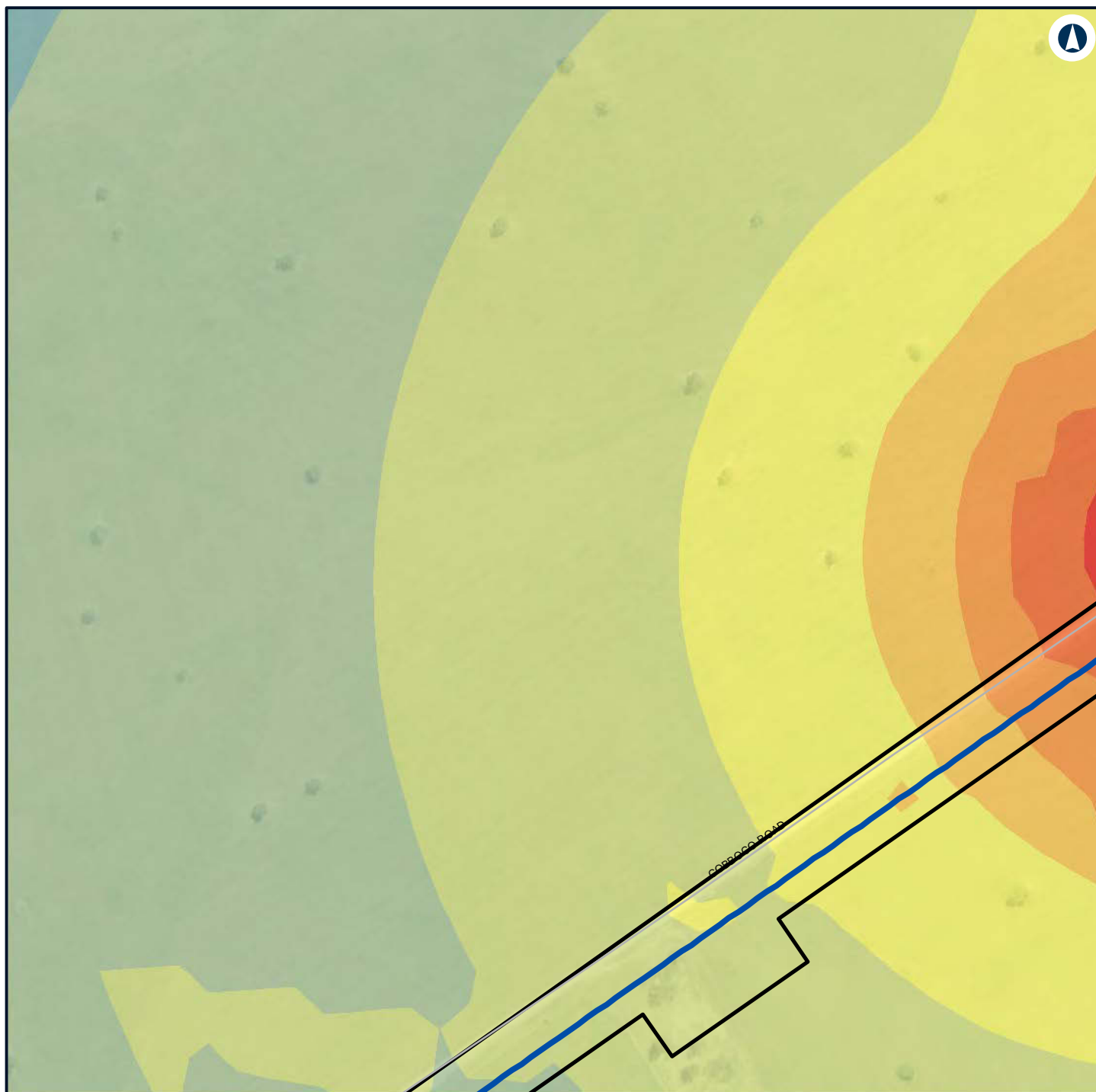
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Scale: 1:5,000

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LEGEND

Alignment	50 - 55
Construction footprint	55 - 60
Noise level (dBA L	60 - 65
Aeq 15 minute)	65 - 70
35 - 40	70 - 75
40 - 45	
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 116 of 554

0 0.1 0.2
Km

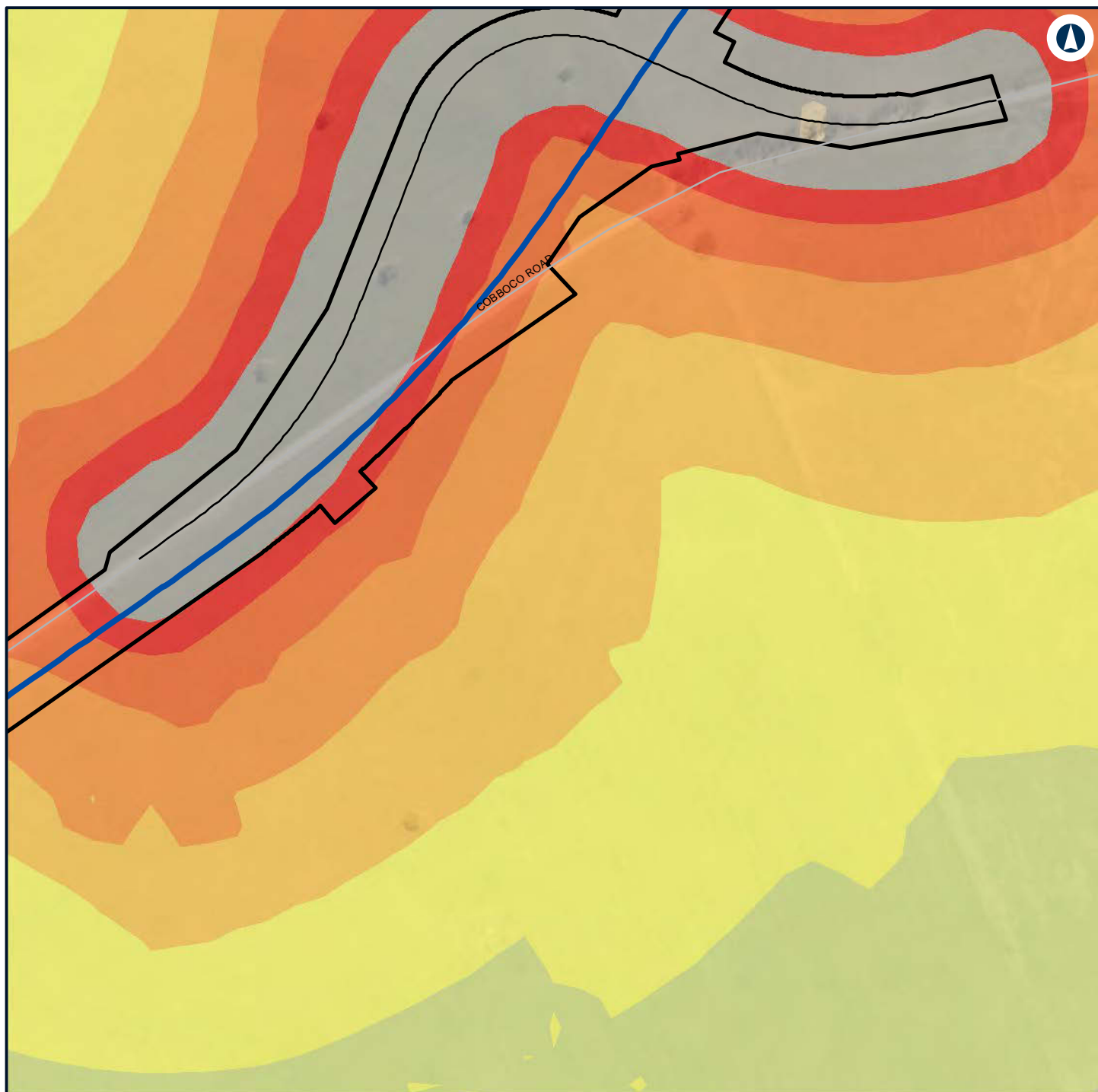
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LEGEND

	Alignment		50 - 55
	Road design string		55 - 60
	Construction footprint		60 - 65
			65 - 70
			70 - 75
			> 75
	Noise level (dBA L)		
	Aeq 15 minute)		
	40 - 45		
	45 - 50		



NARRABINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 117 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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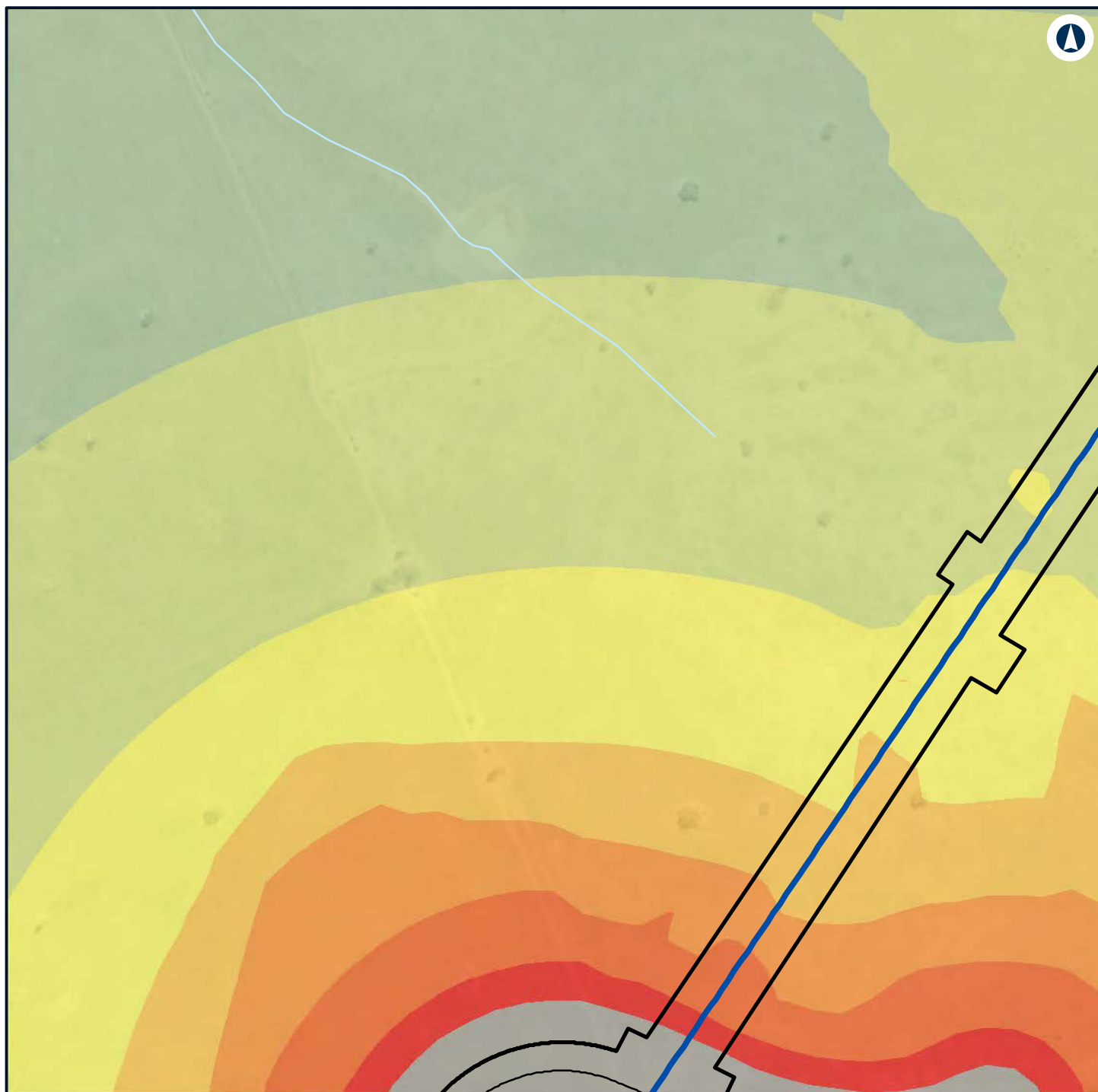
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
 - Road design string
 - Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- | | | | |
|--|---------|--|---------|
| | 40 - 45 | | 50 - 55 |
| | 45 - 50 | | 55 - 60 |
| | | | 60 - 65 |
| | | | 65 - 70 |
| | | | 70 - 75 |
| | | | > 75 |



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 118 of 554

0 0.1 0.2
Km

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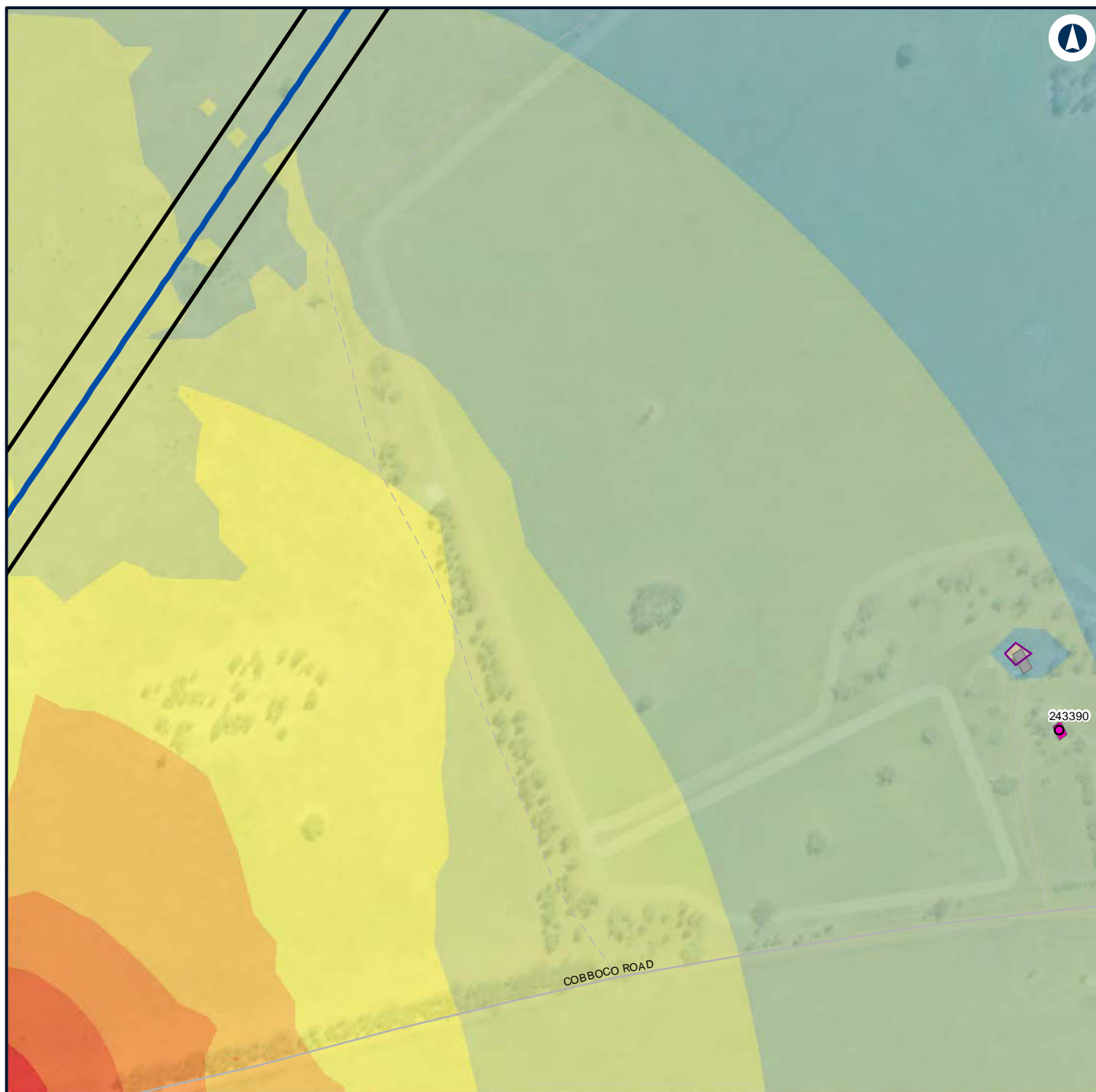
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint

Structure type

- Residential
- Other
- Residential

- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55

- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 119 of 554

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

Alignment

Construction footprint

Noise level (dBA L)

Aeq 15 minute

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 120 of 554

0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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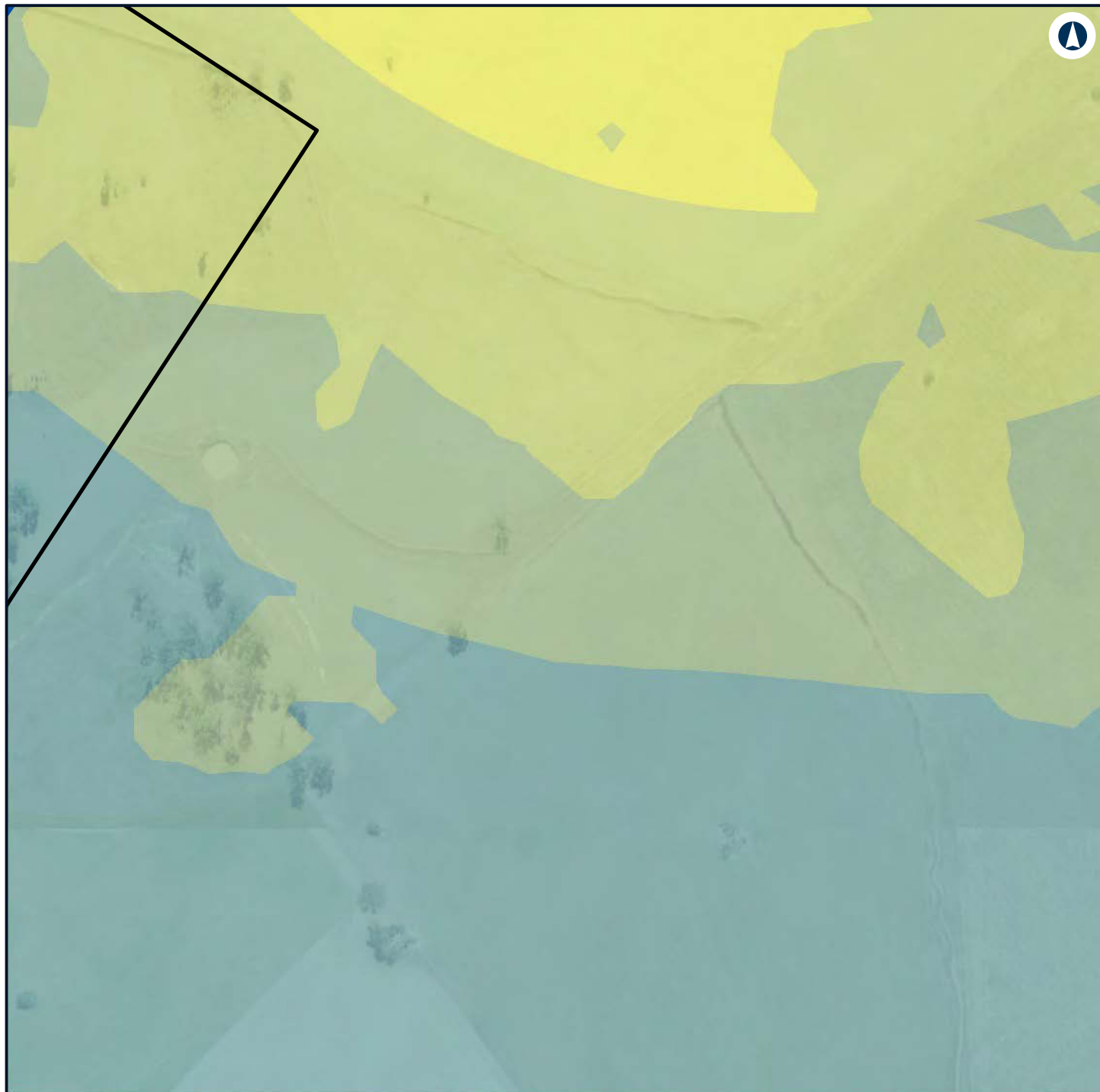
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 121 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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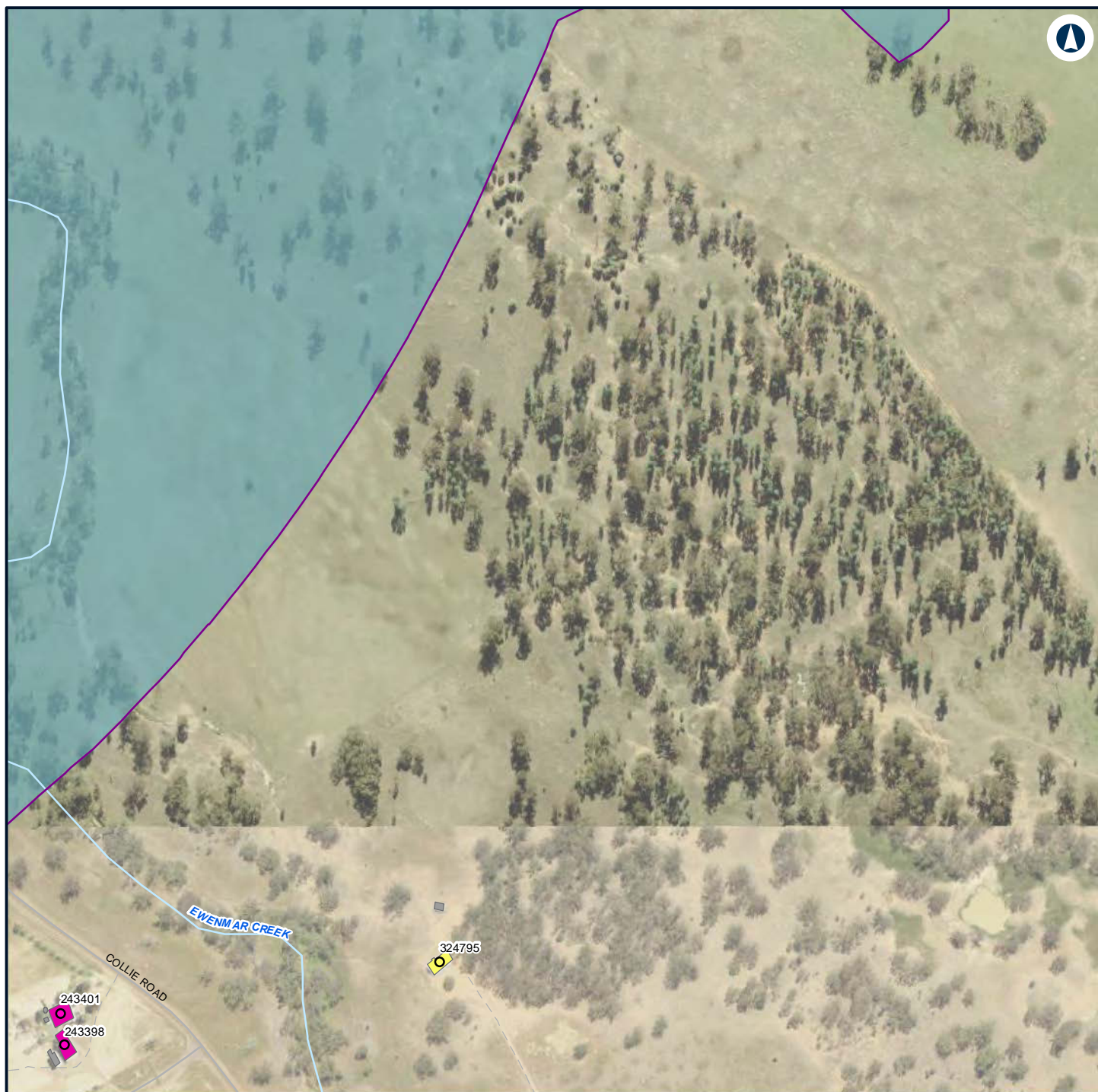
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type	Night-time noise management level
Community	
Residential	
Noise level (dBA L Aeq 15 minute)	
Community	35 - 40
Other	
Residential	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 122 of 554

0 0.1 0.2 Km

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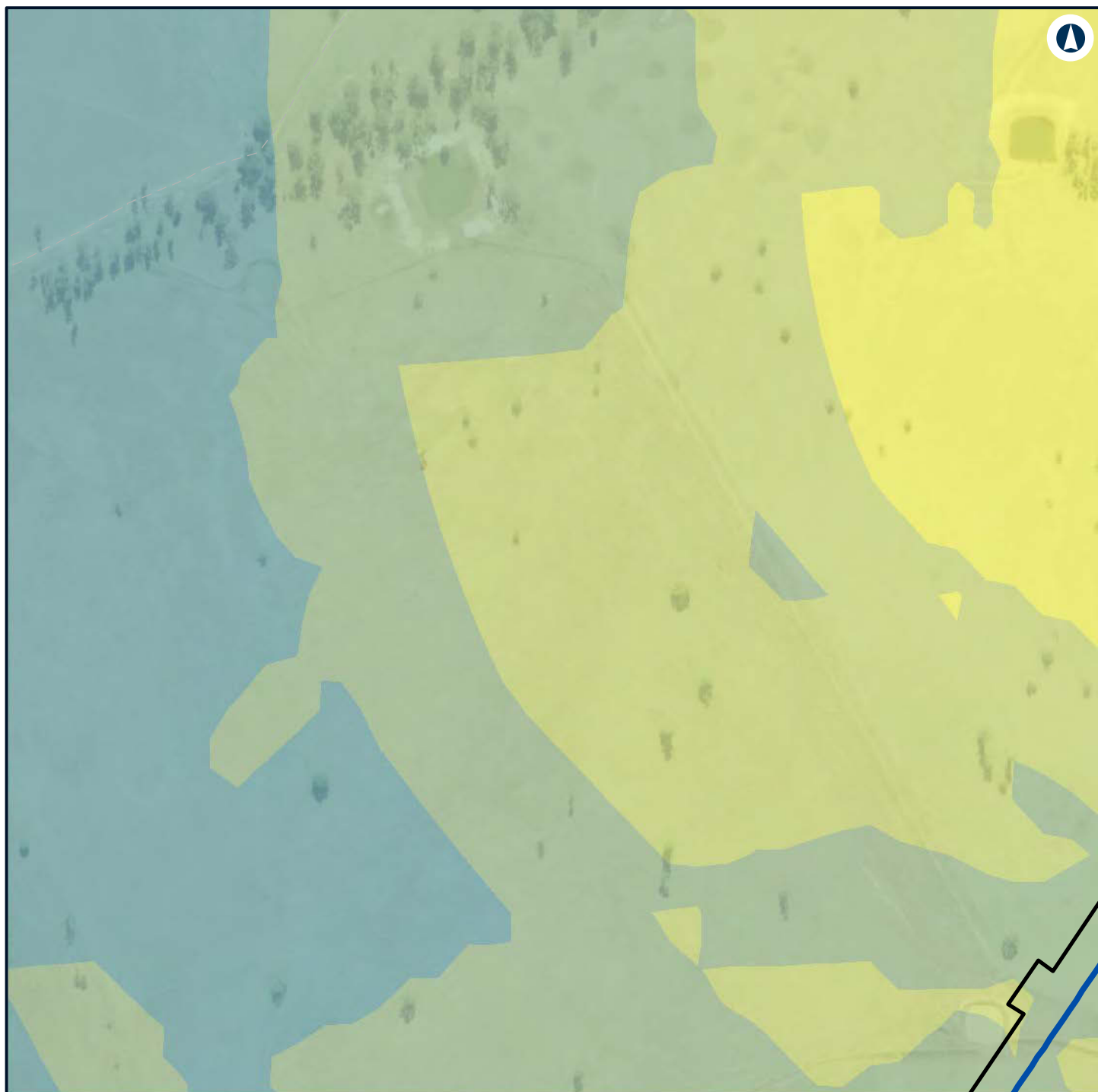
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 123 of 554

0 0.1 0.2
Km

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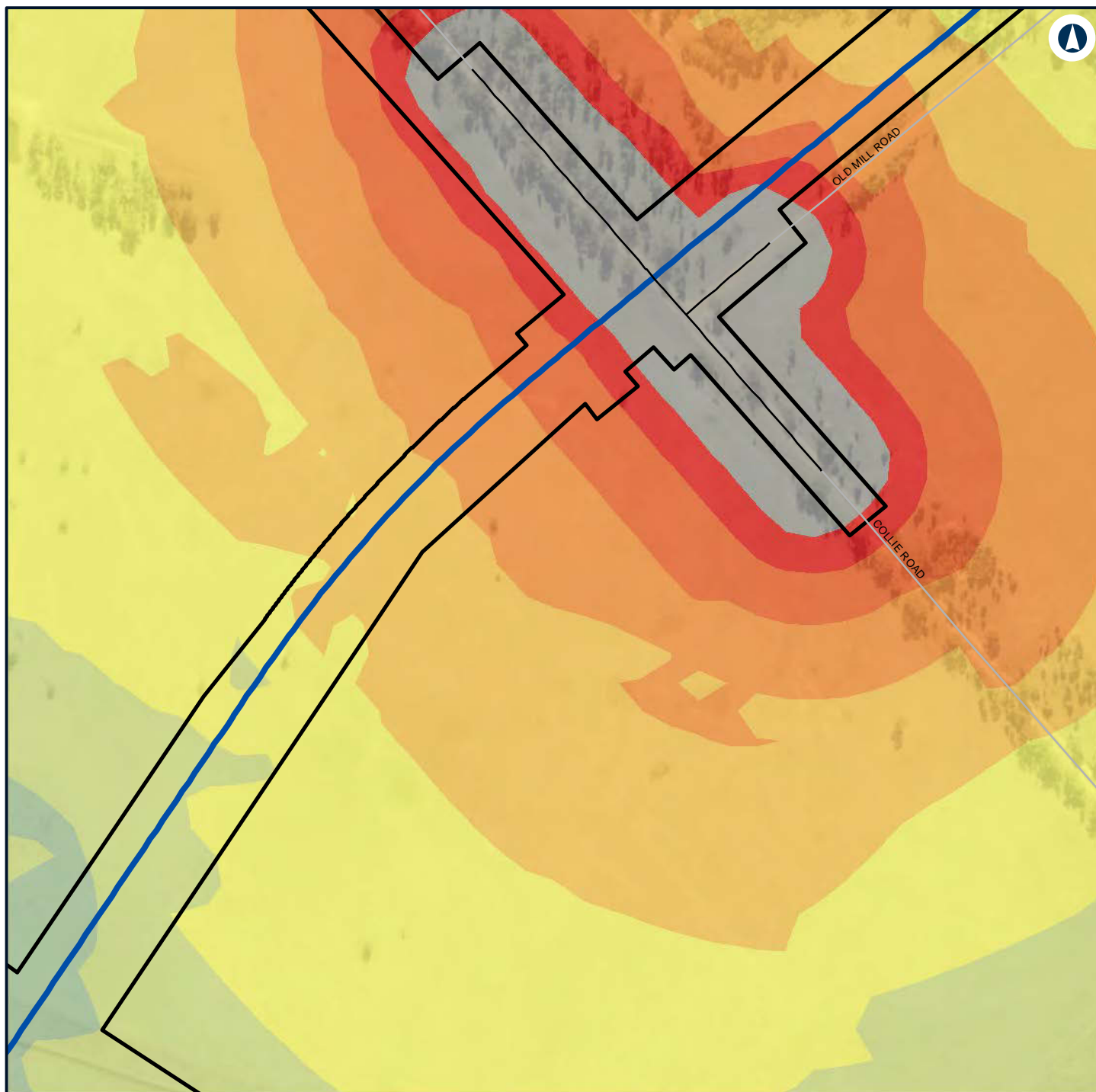
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Scale: 1:5,000

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LEGEND

- Alignment
 - Road design string
 - Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- | | | | |
|--|---------|--|---------|
| | 40 - 45 | | 50 - 55 |
| | 45 - 50 | | 55 - 60 |
| | | | 60 - 65 |
| | | | 65 - 70 |
| | | | 70 - 75 |
| | | | > 75 |



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 124 of 554

0 0.1 0.2
Km

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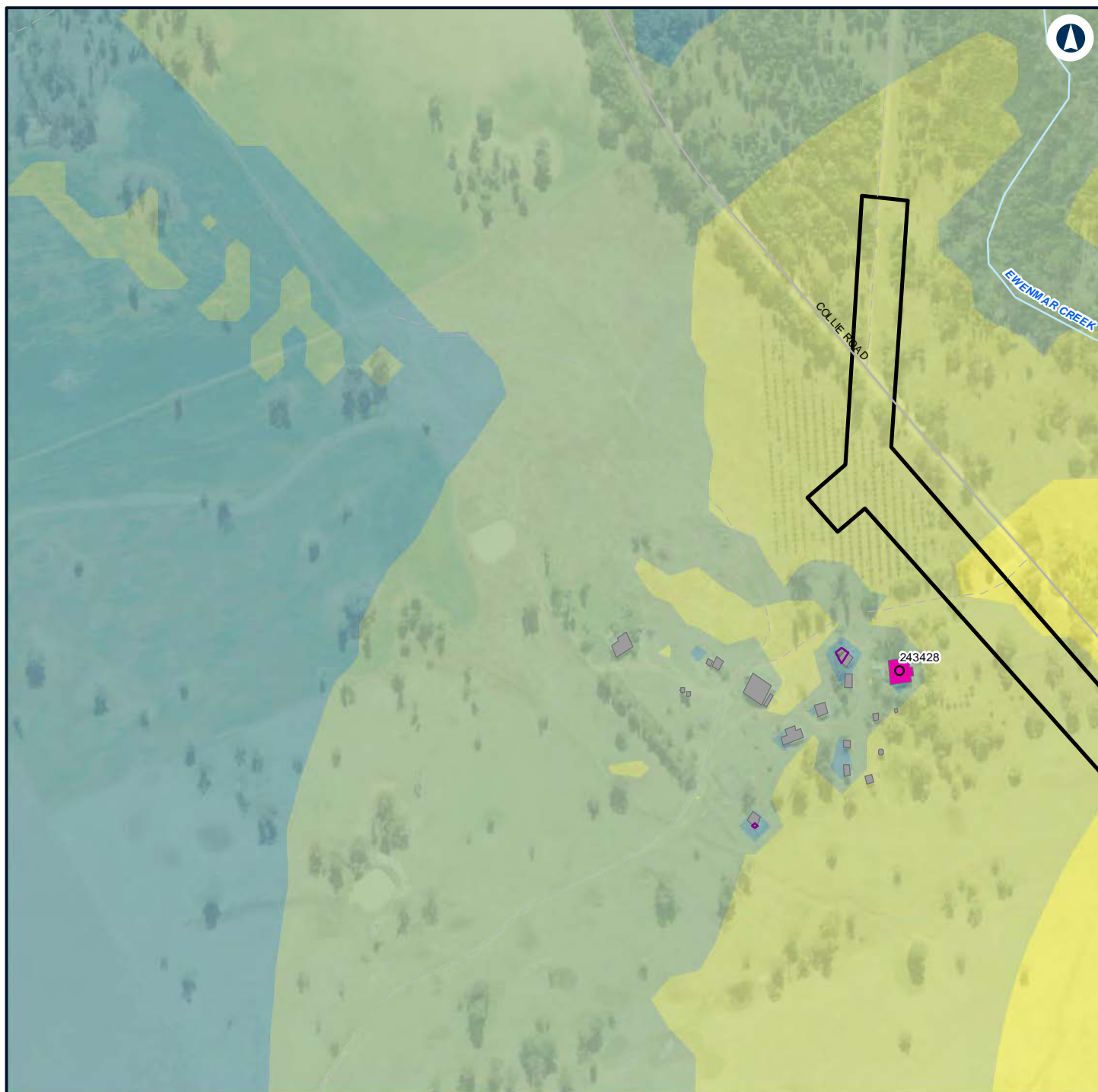
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LEGEND

Construction footprint

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 125 of 554

0 0.1 0.2
Km

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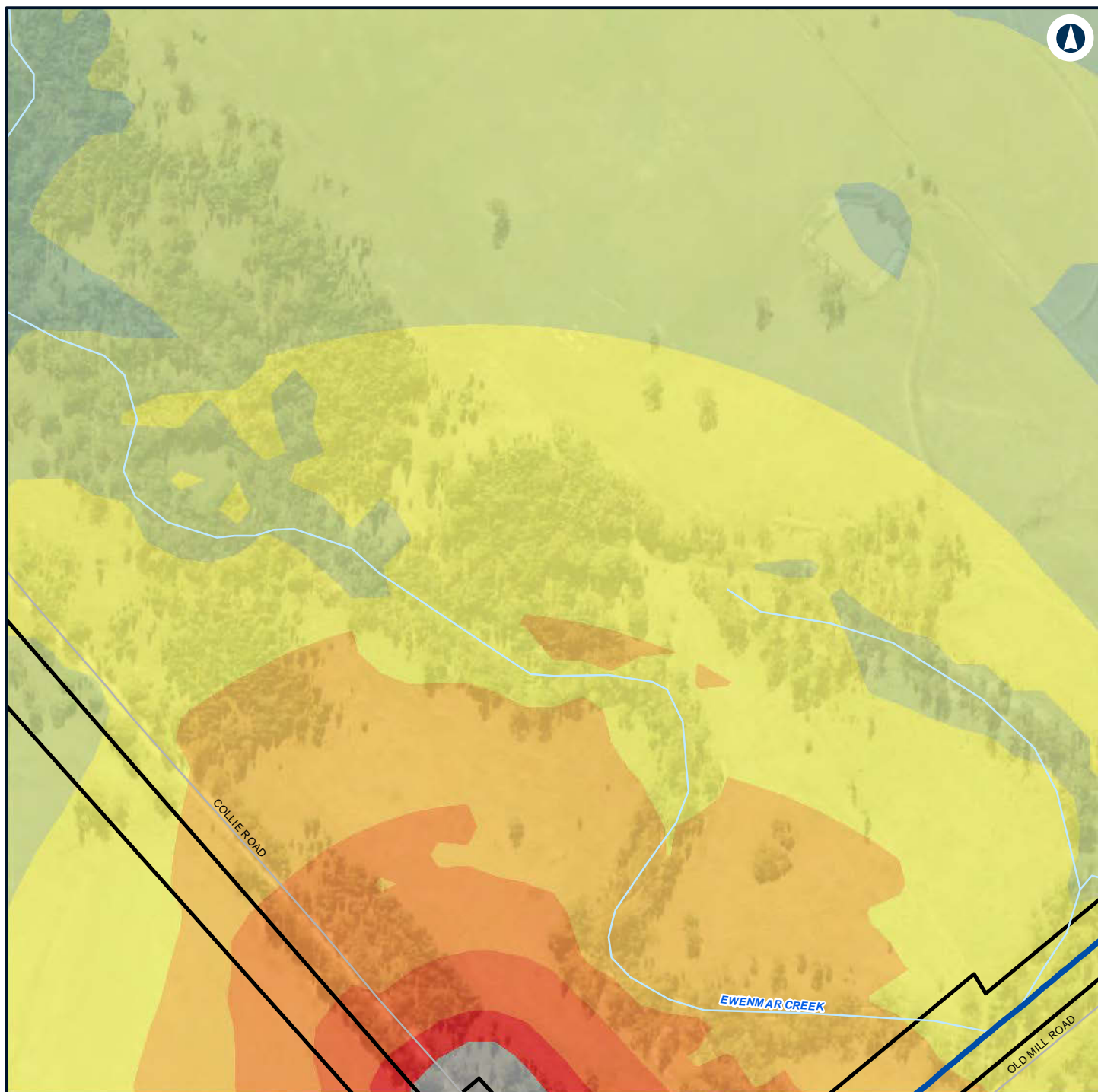
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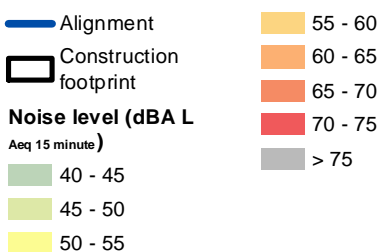
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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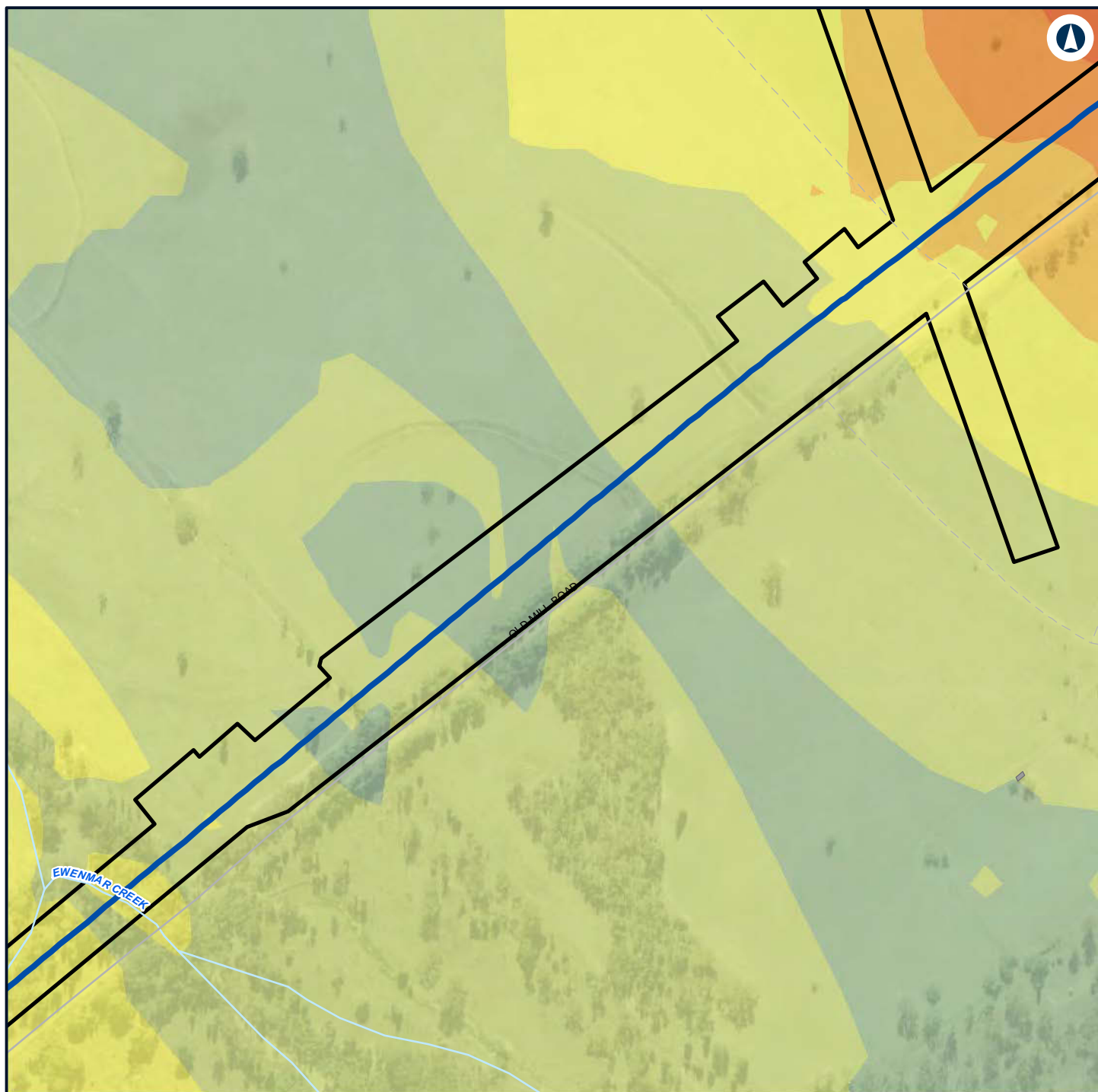
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LEGEND

- Alignment
 - Construction footprint
 - Other
- | | |
|--|---------|
| | 50 - 55 |
| | 55 - 60 |
| | 60 - 65 |
| | 65 - 70 |

Noise level (dBA L

Aeq 15 minute)

- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

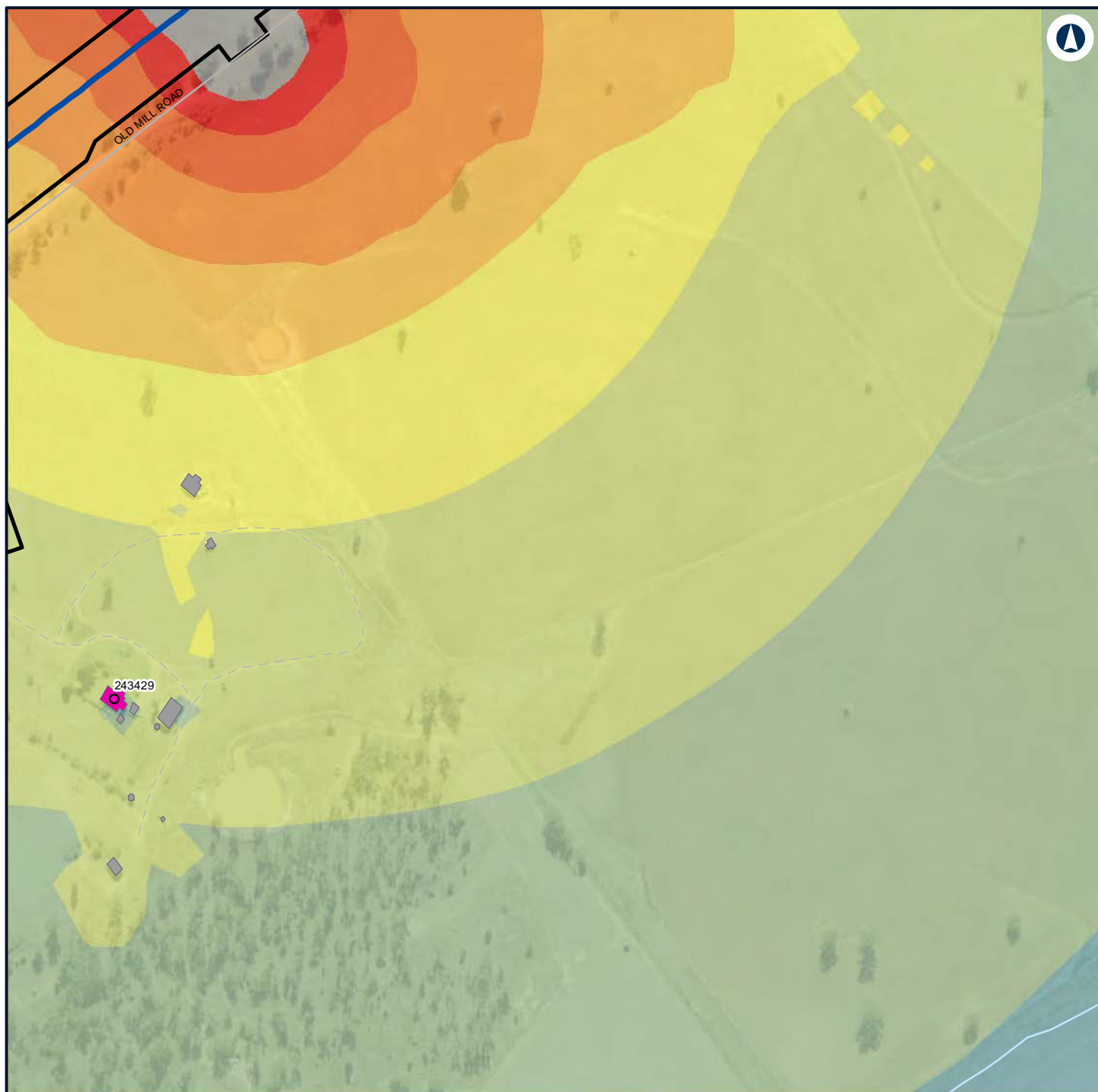
Coordinate System: GDA 1994 MGA Zone 55

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Author: GHD Scale: 1:5,000
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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LEGEND

- Alignment
- Construction footprint
- Structure type**
- Residential
- Other
- Residential

Noise level (dBA L Aeq 15 minute)

■ 35 - 40	■ 60 - 65
■ 40 - 45	■ 65 - 70
■ 45 - 50	■ 70 - 75
■ 50 - 55	■ > 75
■ 55 - 60	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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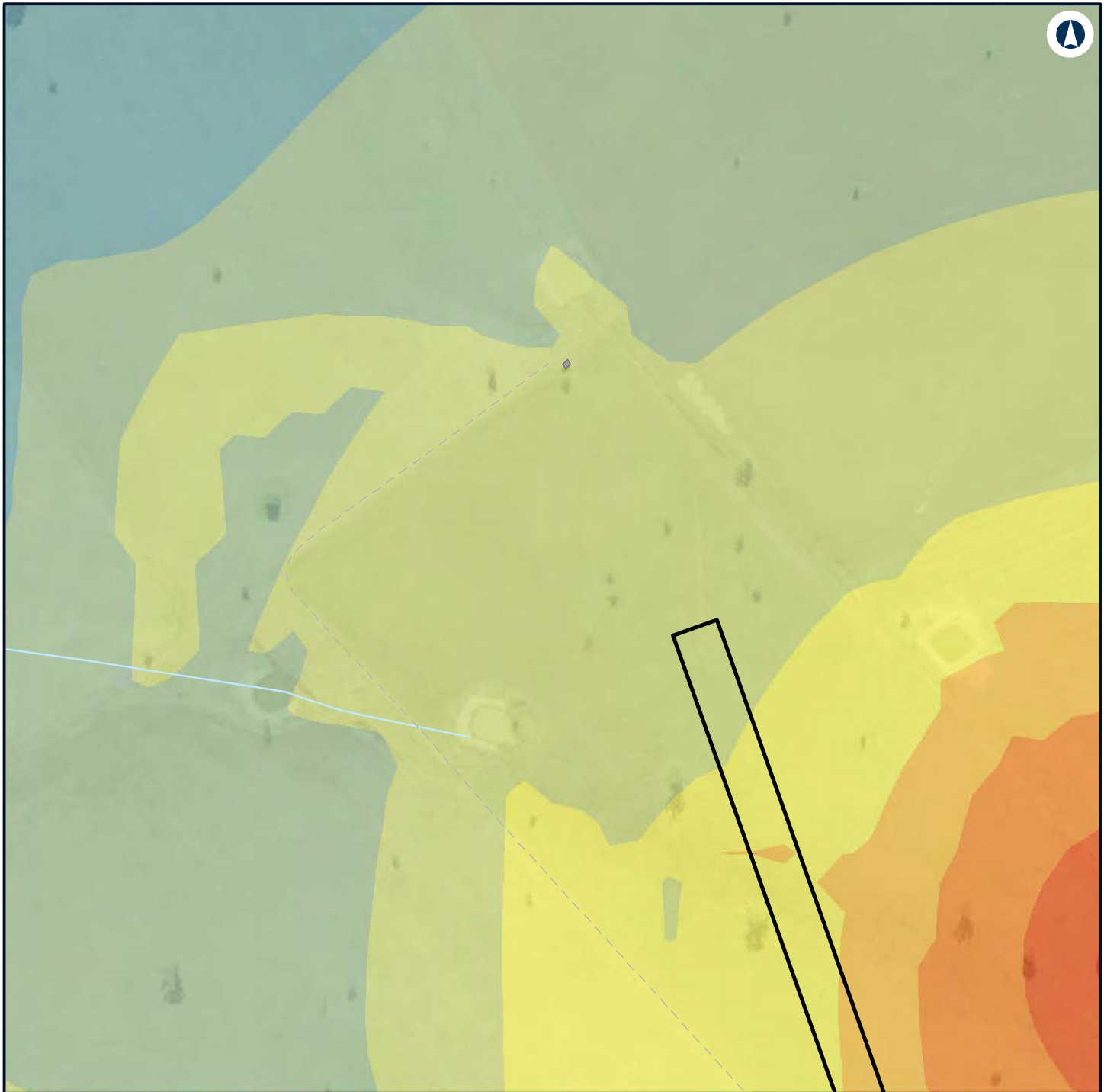
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Construction footprint

Other

**Noise level (dBA L
Aeq 15 minute)**

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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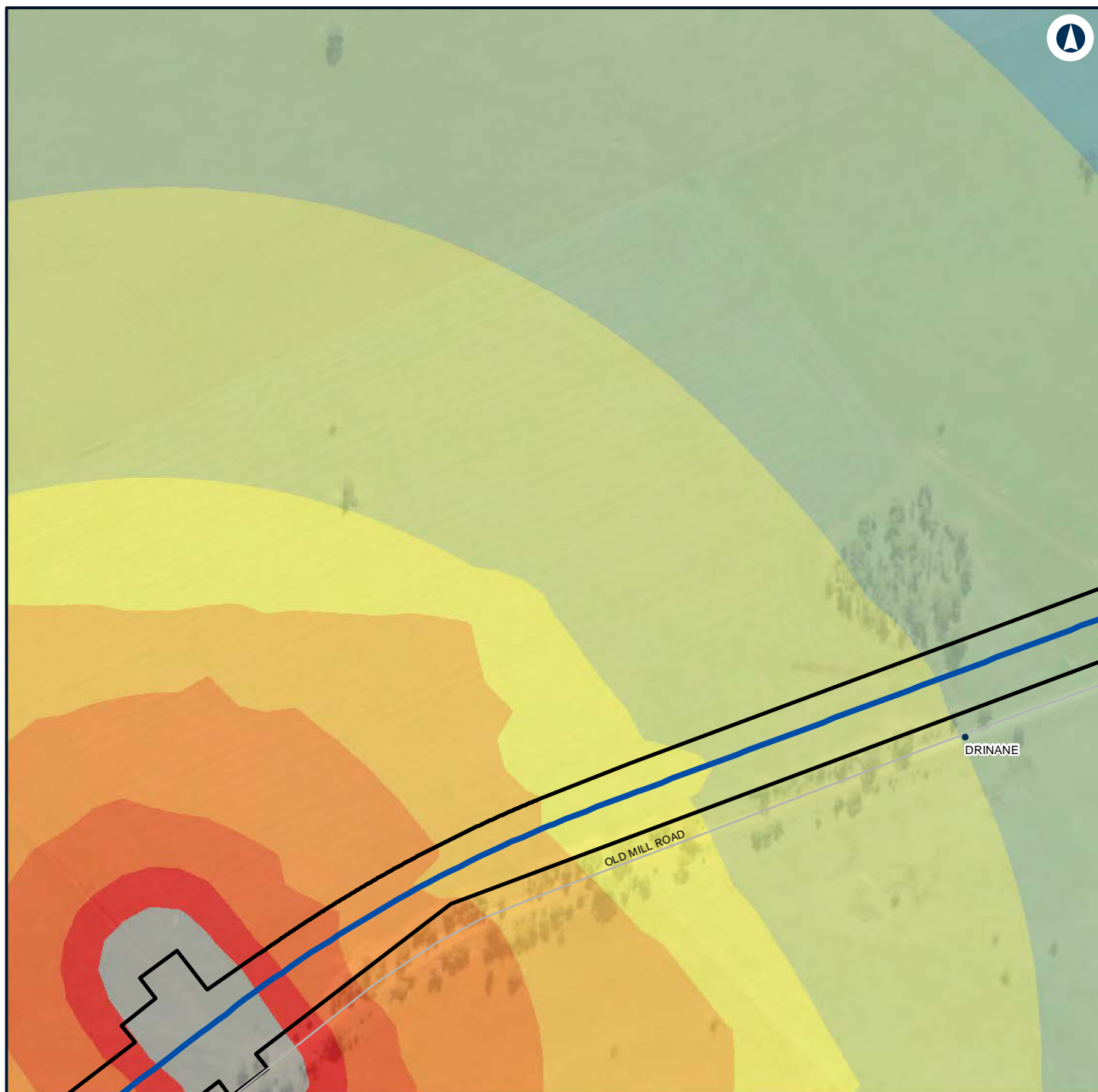
Author: GHD

Scale: 1:5,000

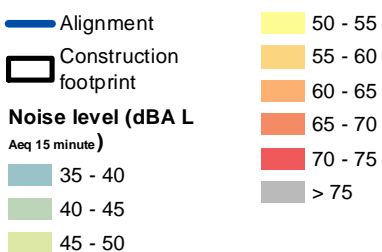
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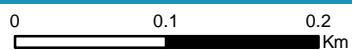
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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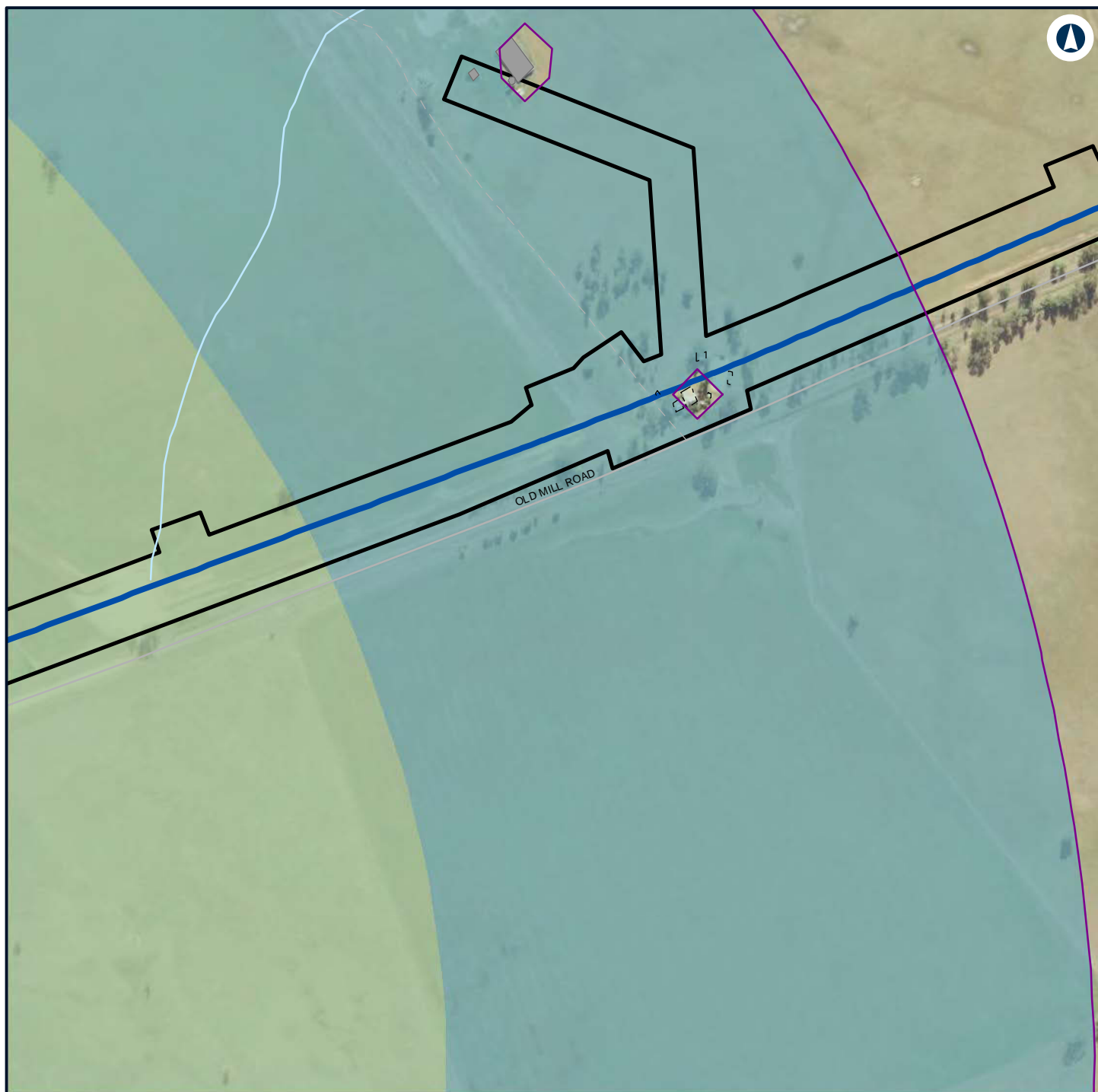
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LEGEND

- Alignment
 - Construction footprint
 - DEMOLISH - Other
 - DEMOLISH - Residential
 - Other
 - Night-time noise management level
- Noise level (dBA L Aeq 15 minute)**
- 35 - 40
 - 40 - 45



NARRABINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

**Noise level (dBA L
Aeq 15 minute)**

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

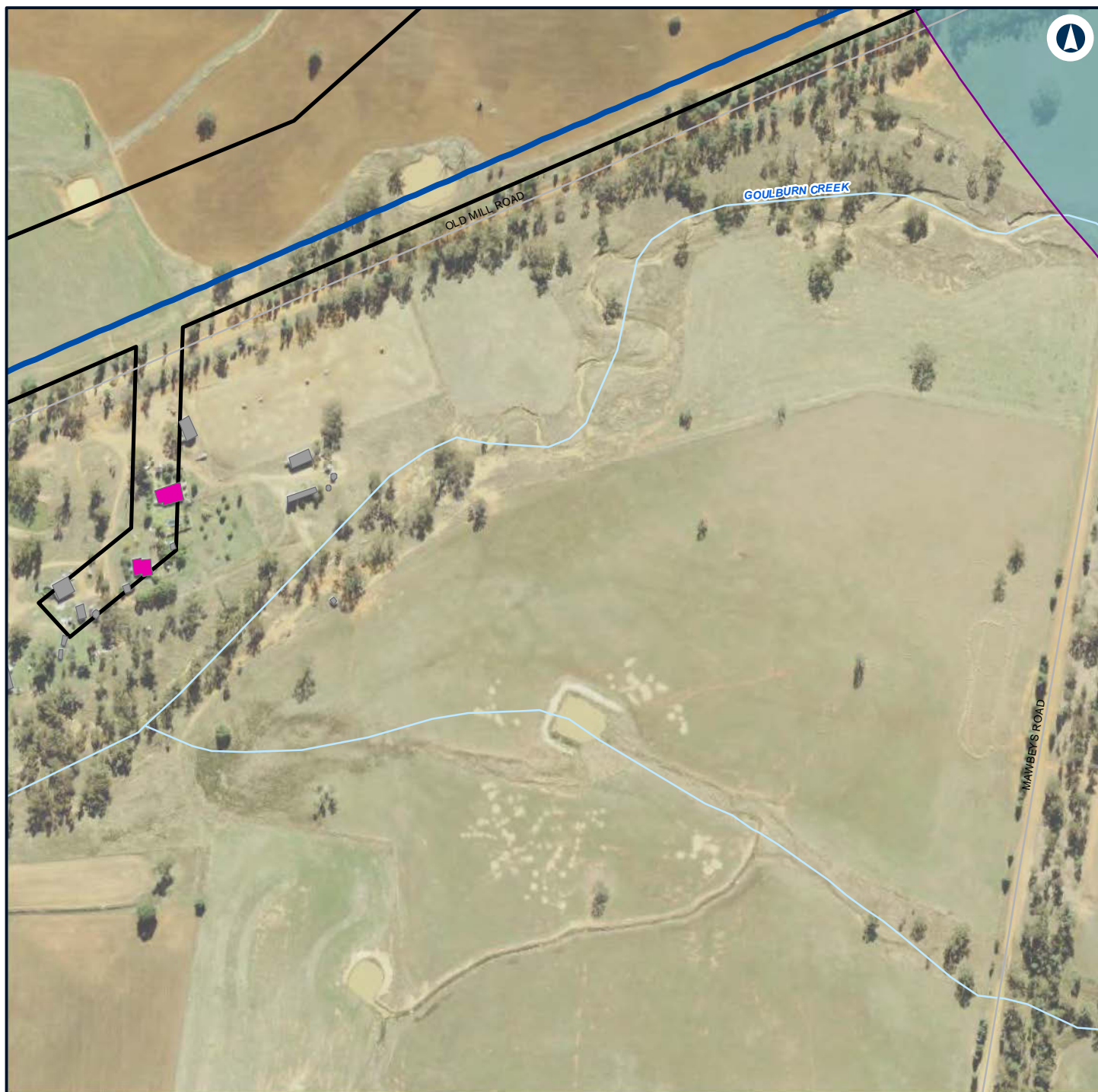
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LEGEND

- Alignment
- Construction footprint
- Other
- Residential
- Night-time noise management level

**Noise level (dBA L
Aeq 15 minute)**

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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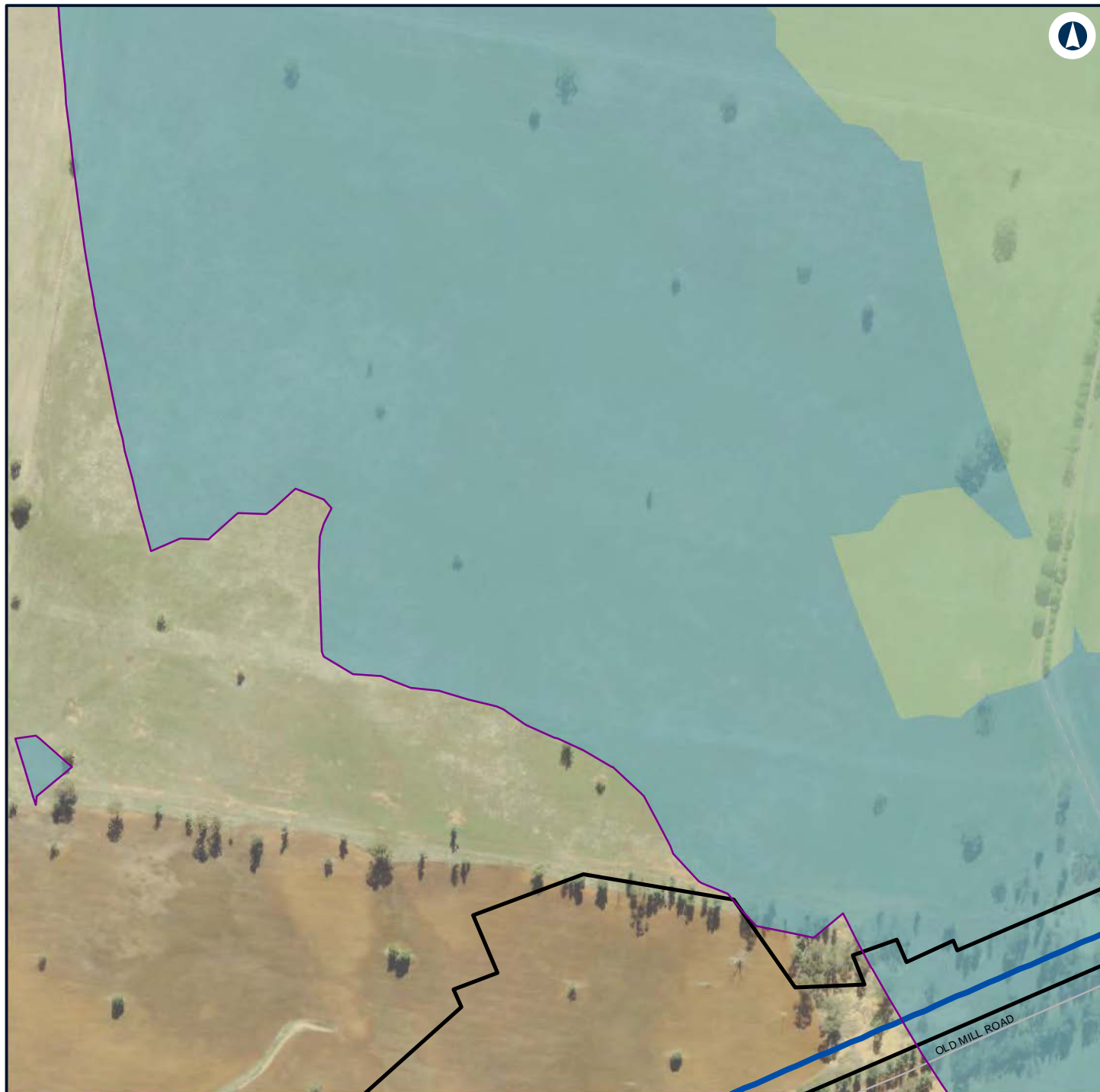
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- 40 - 45
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

— 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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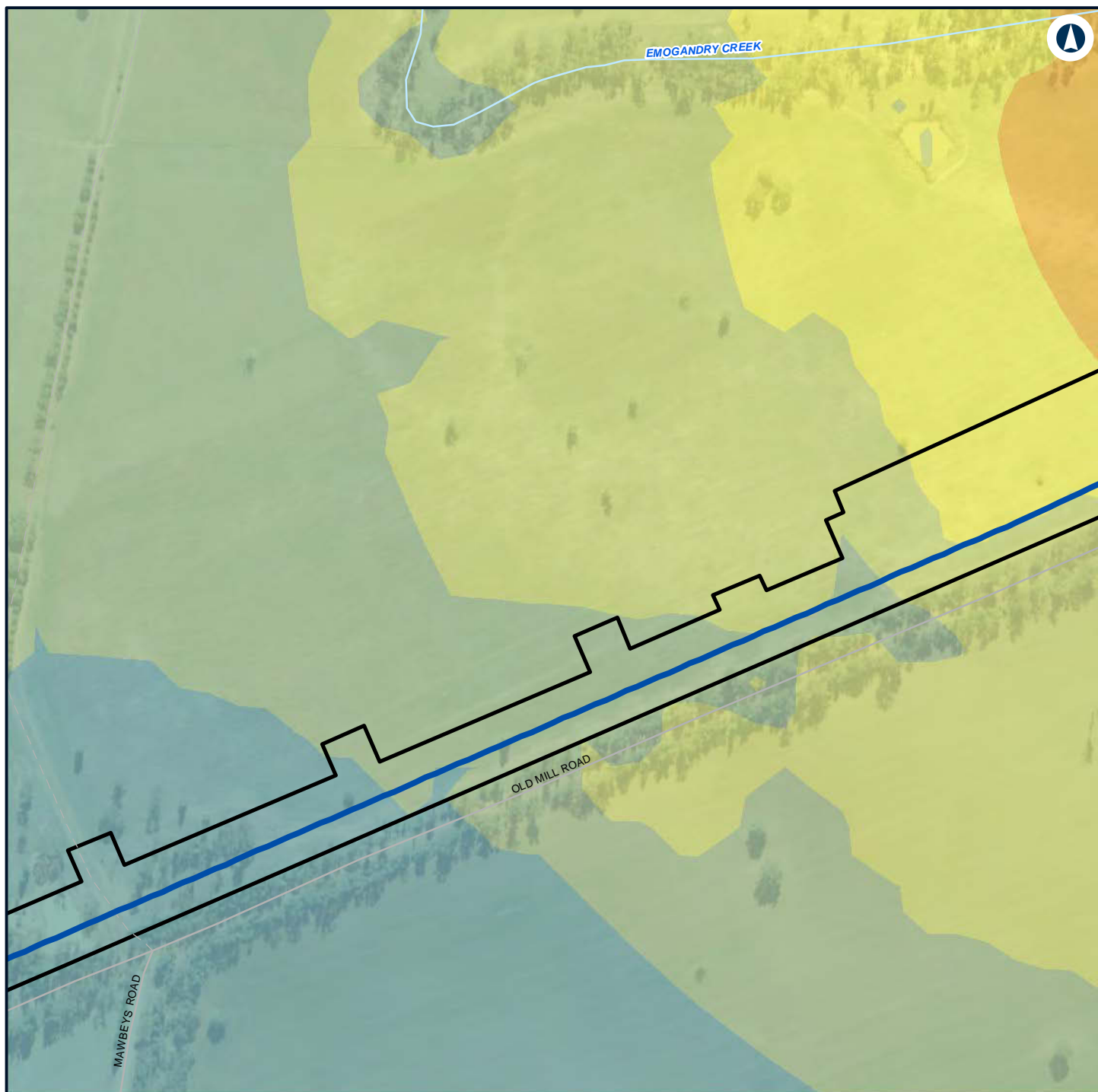
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

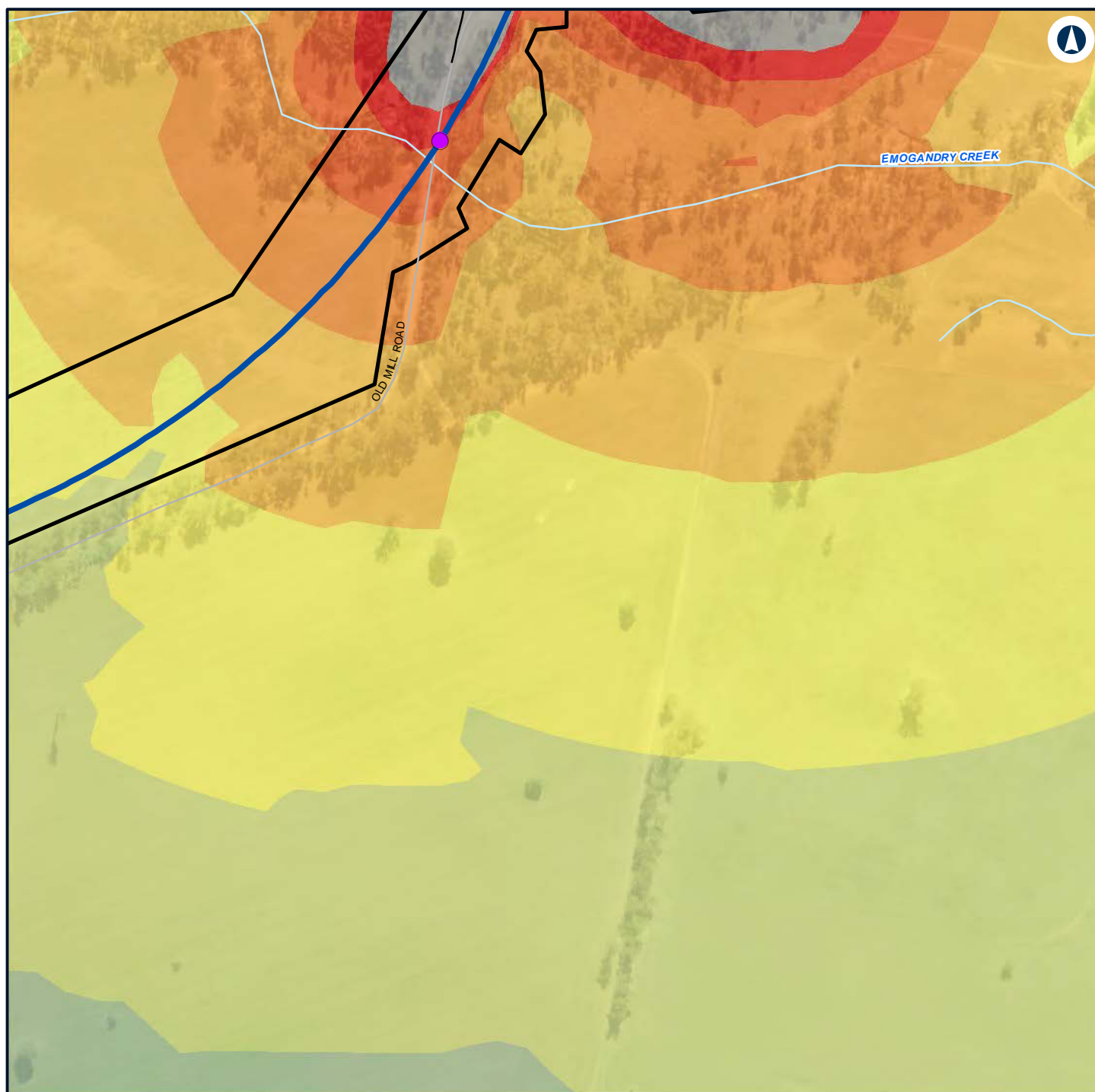
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

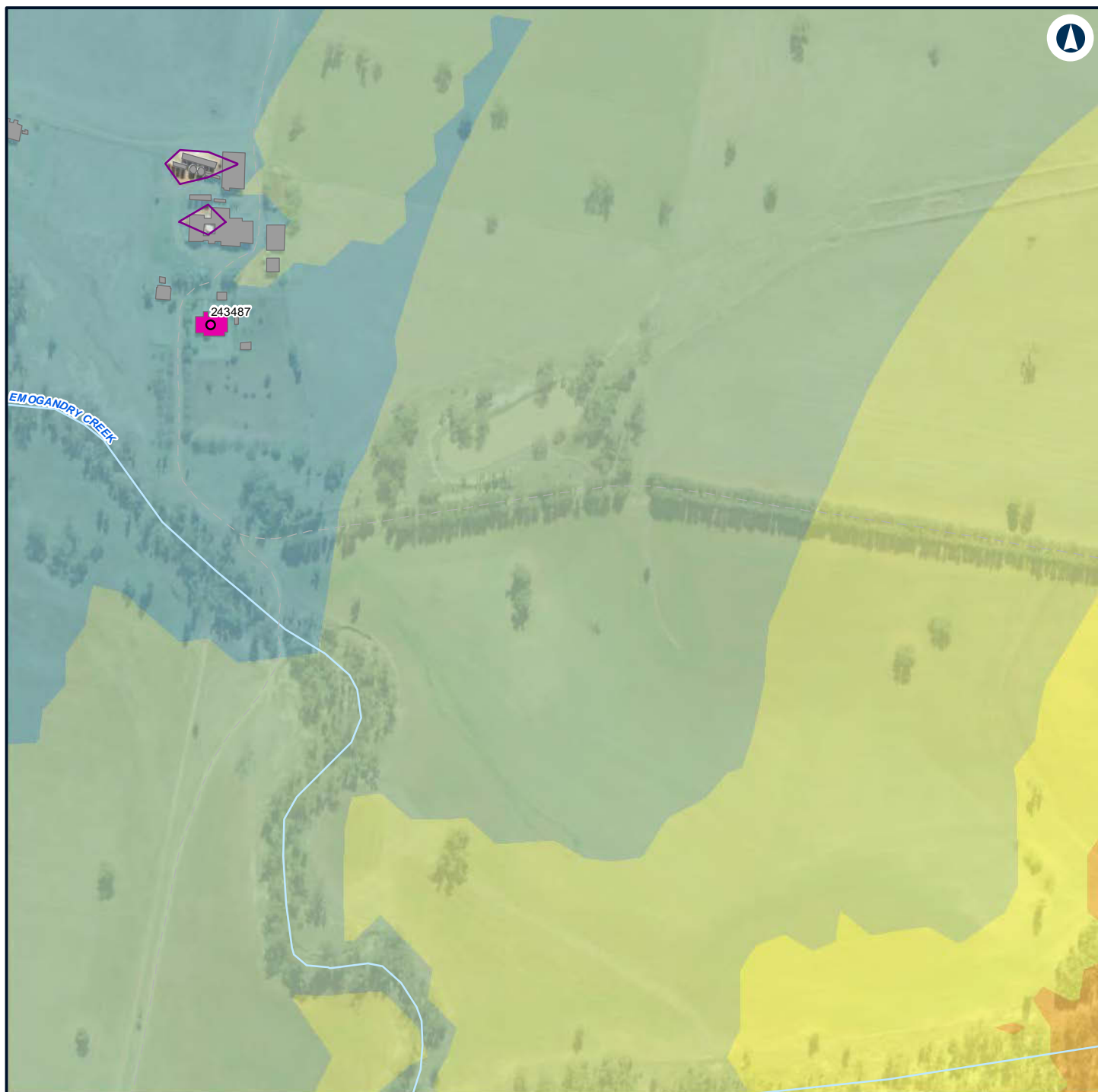
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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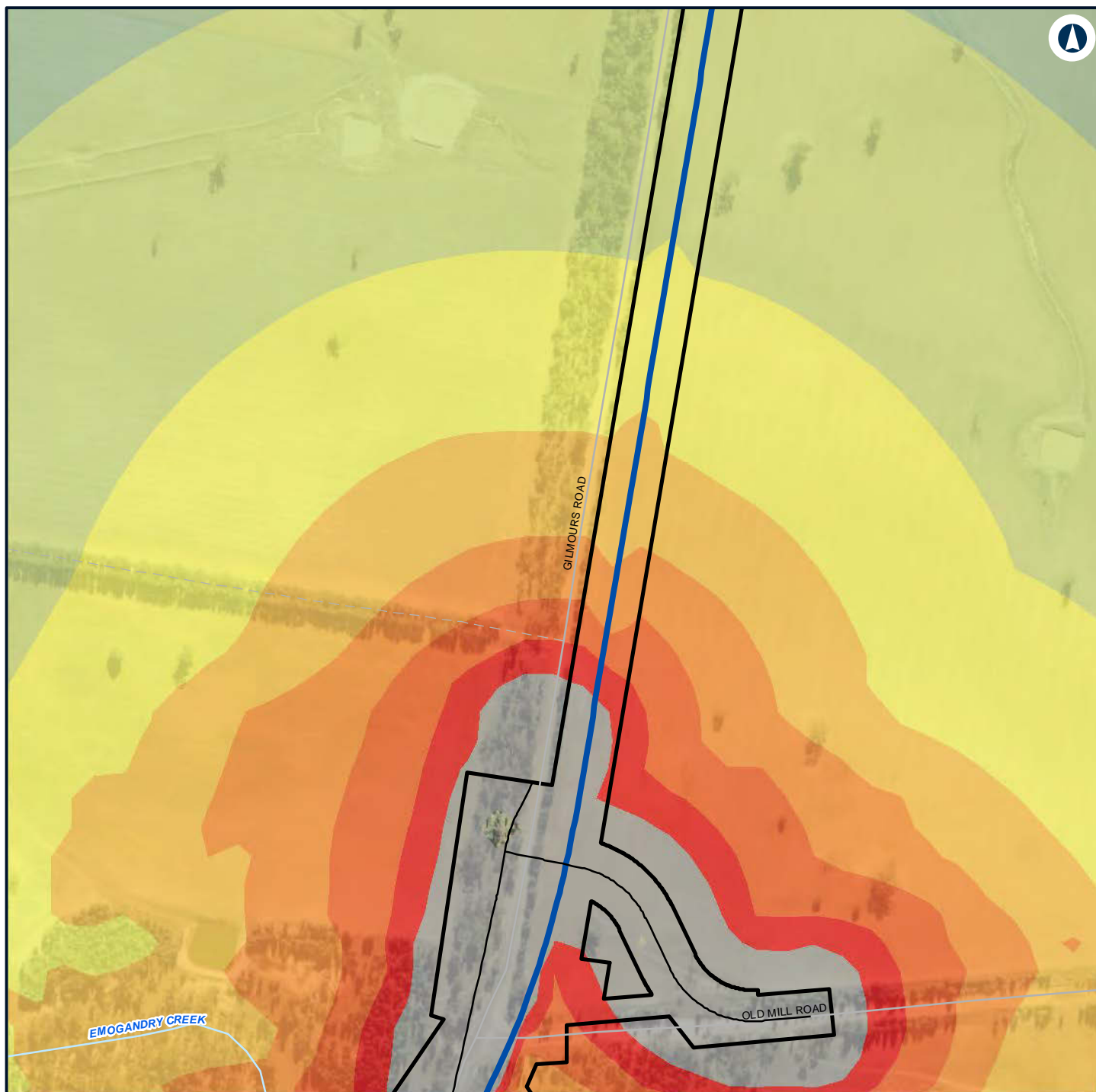
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
	65 - 70
	70 - 75
Noise level (dBA L Aeq 15 minute)	> 75
40 - 45	
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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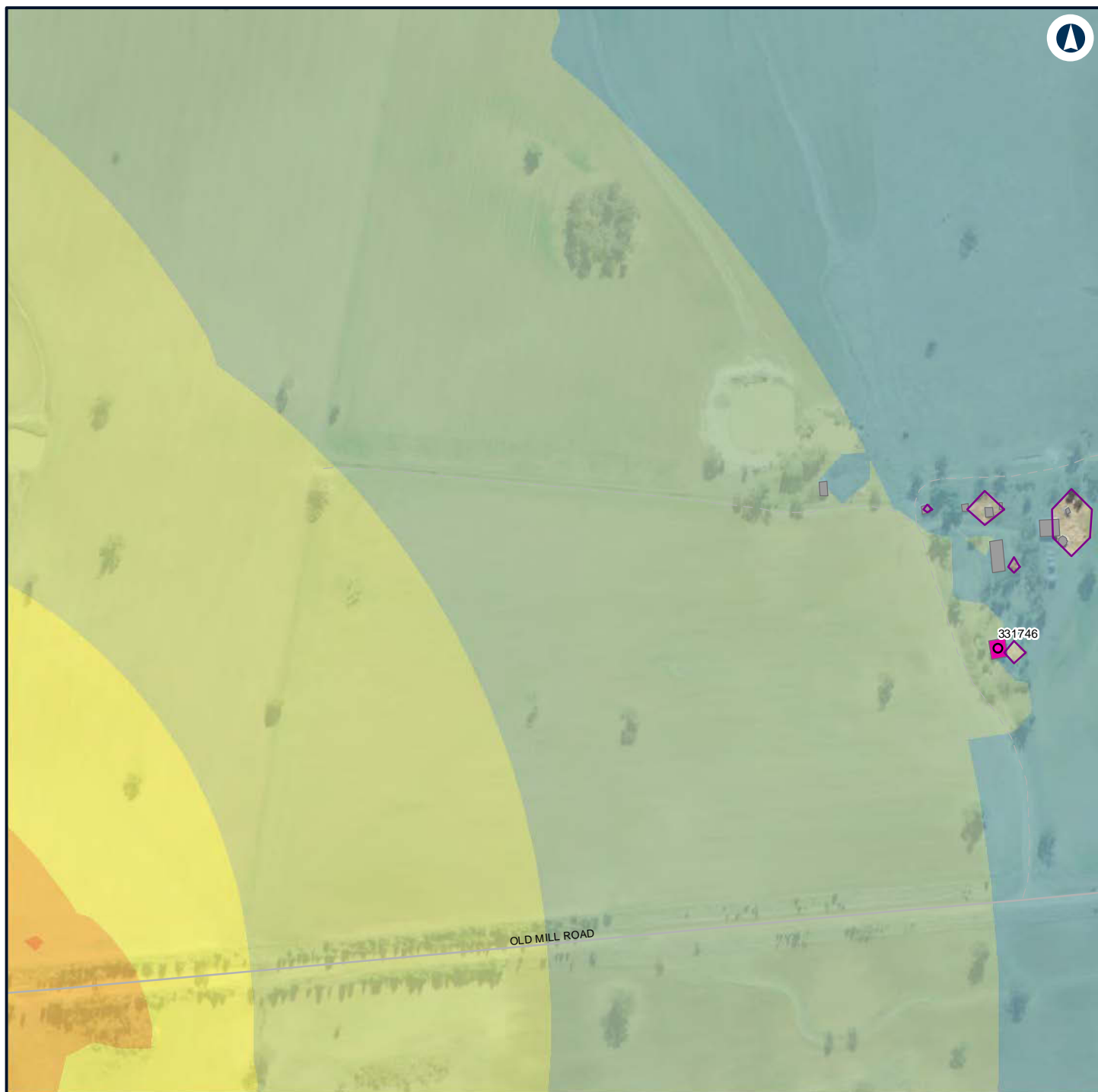
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2 Km

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LEGEND

Alignment

Construction footprint

**Noise level (dBA L
Aeq 15 minute)**

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 141 of 554

0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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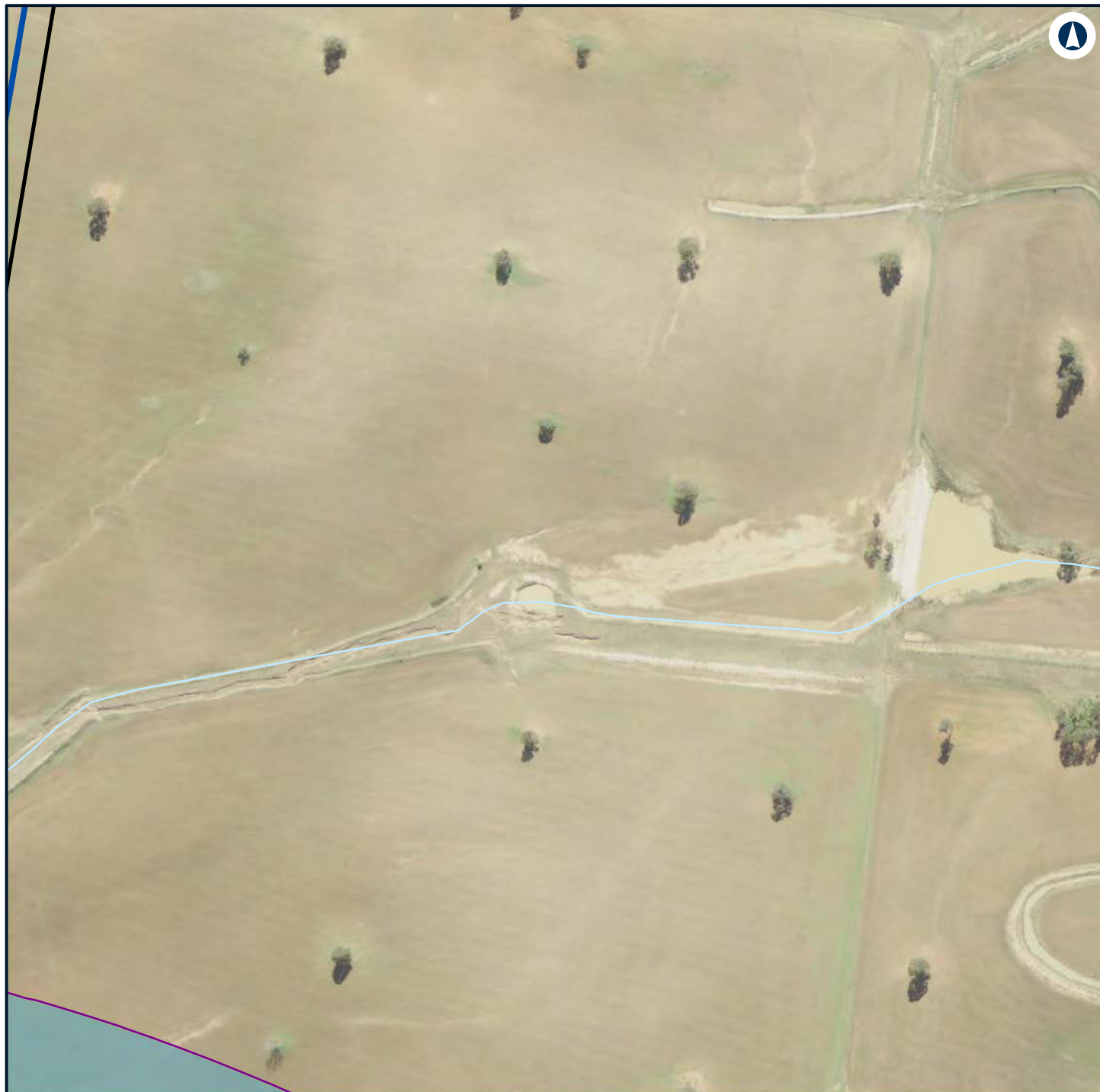
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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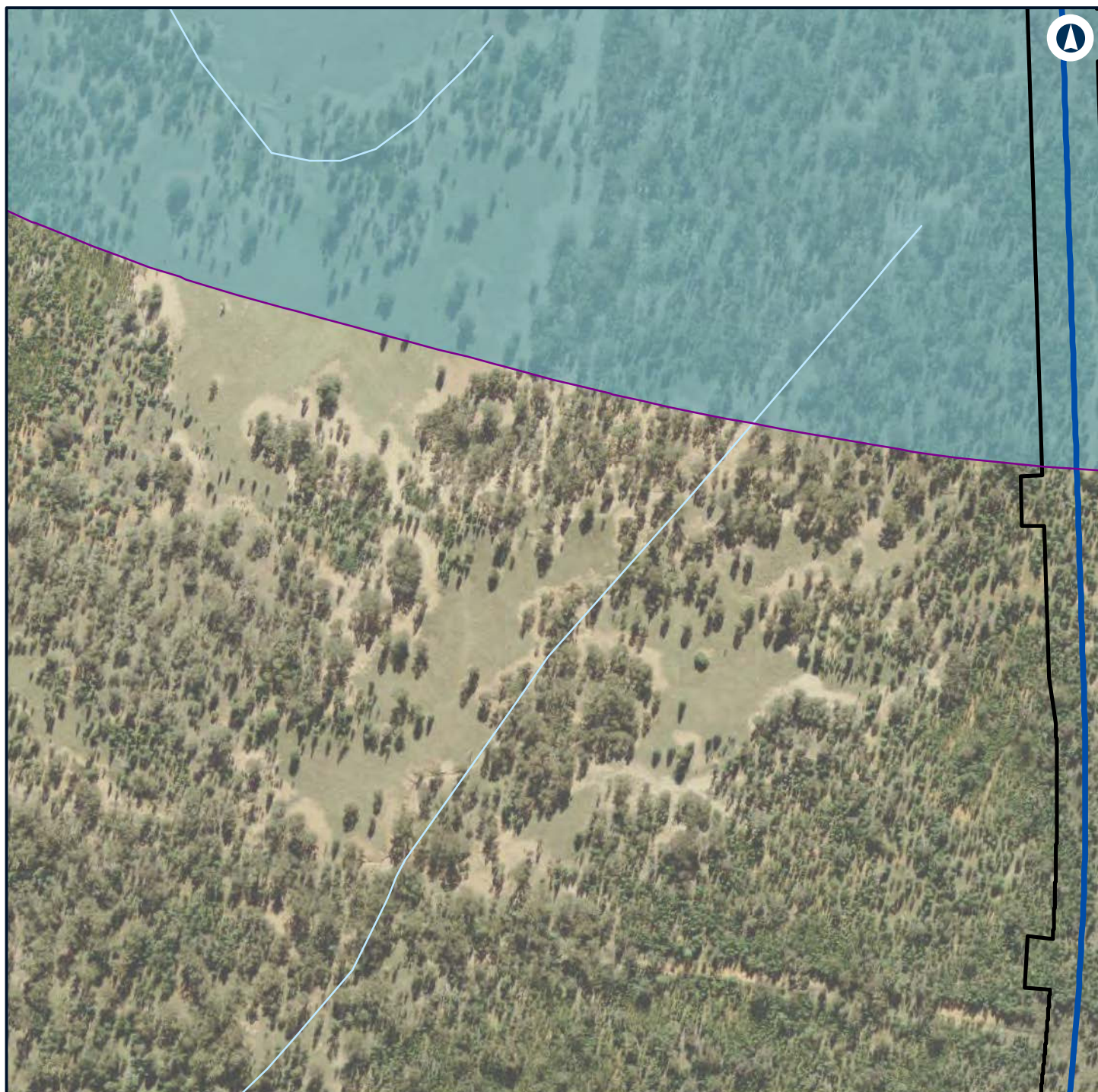
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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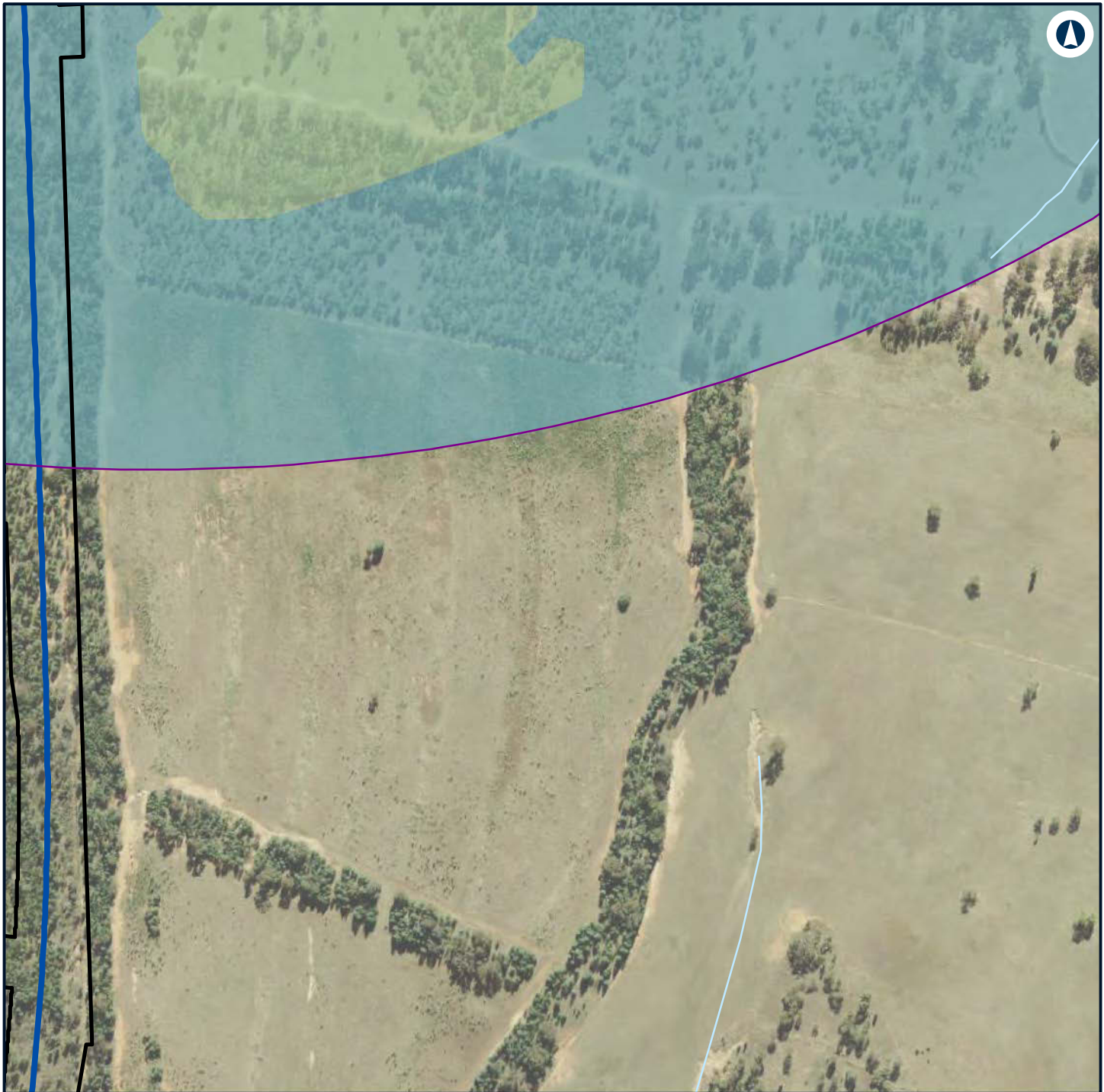
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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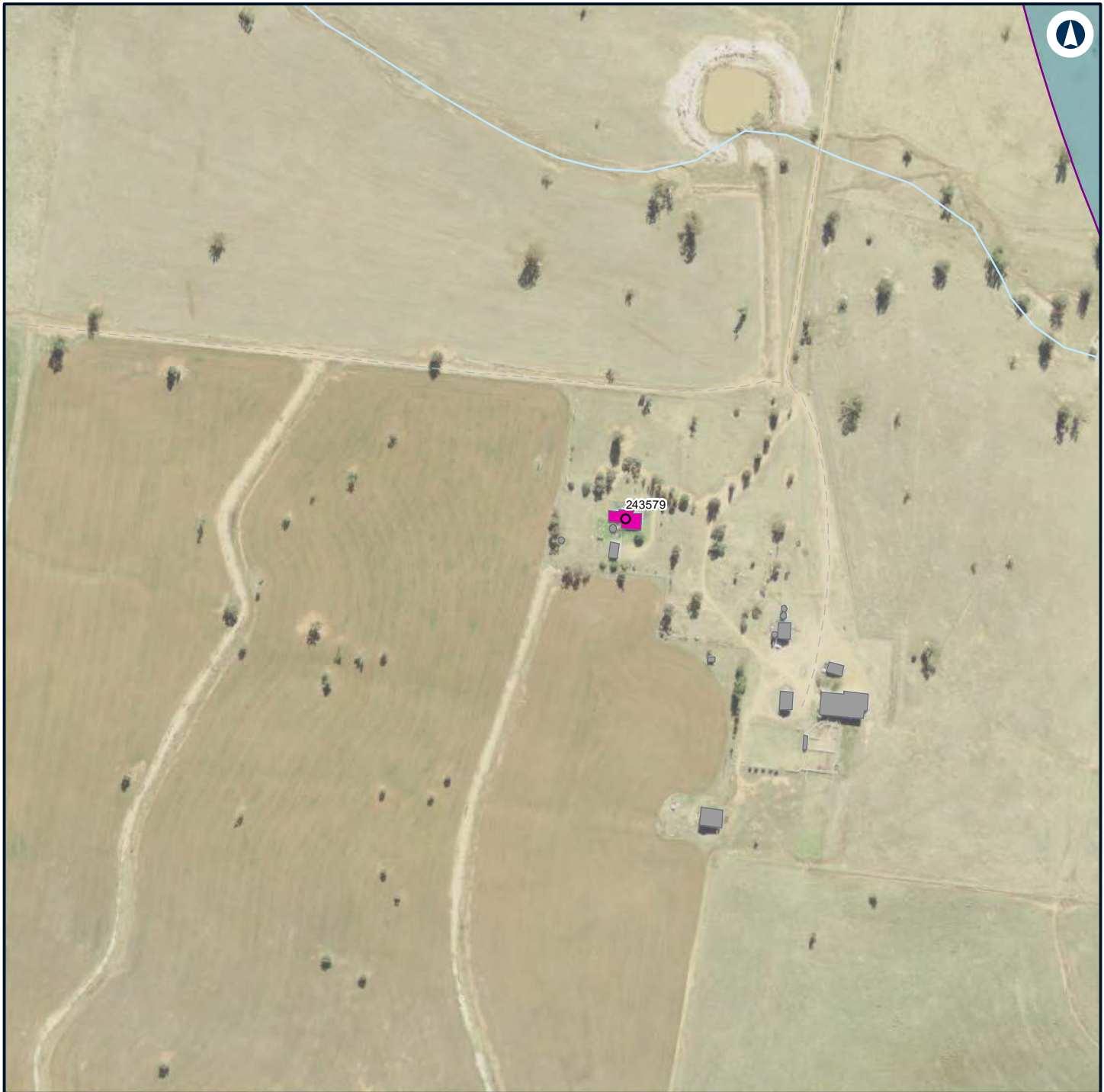
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

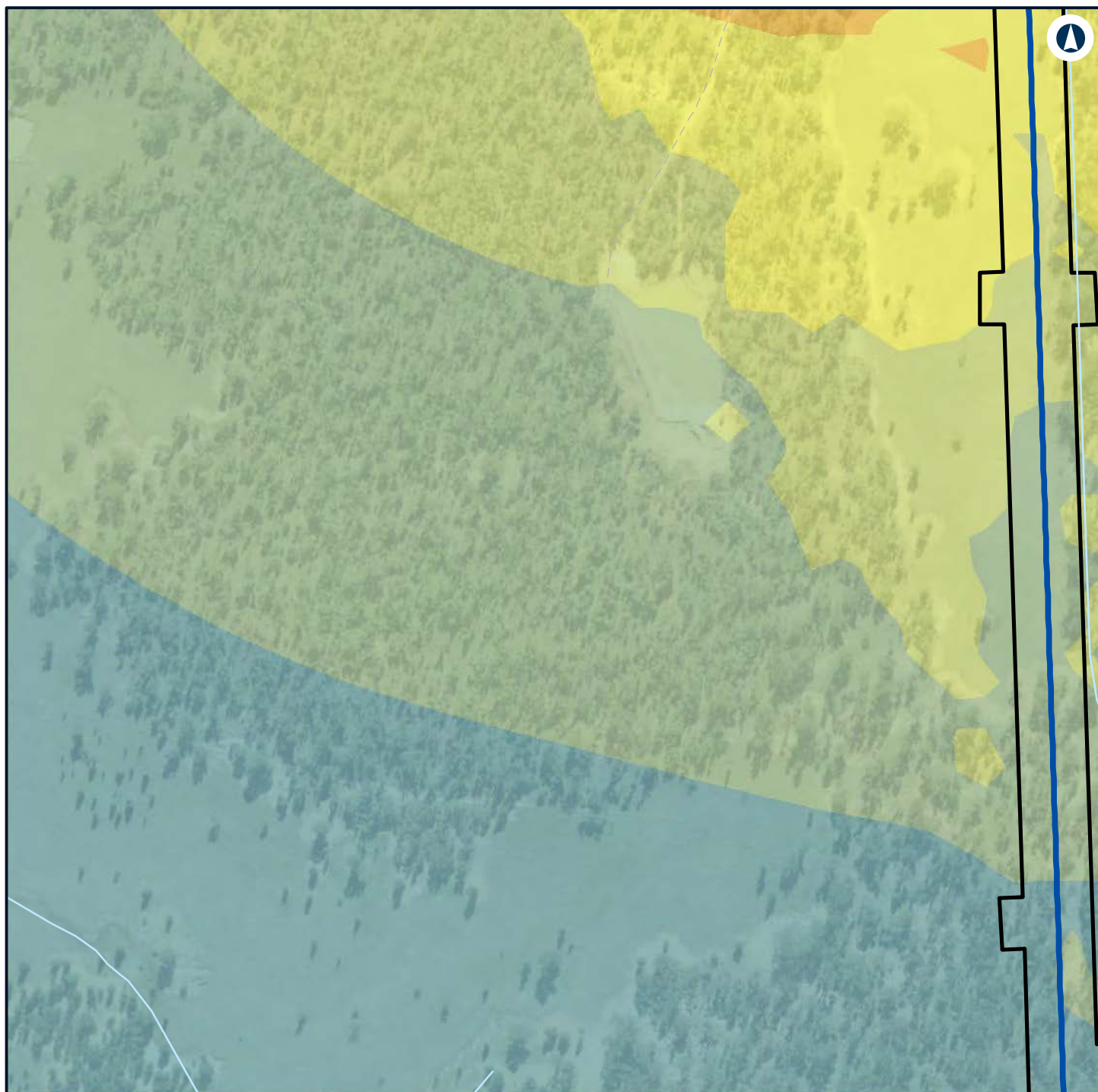
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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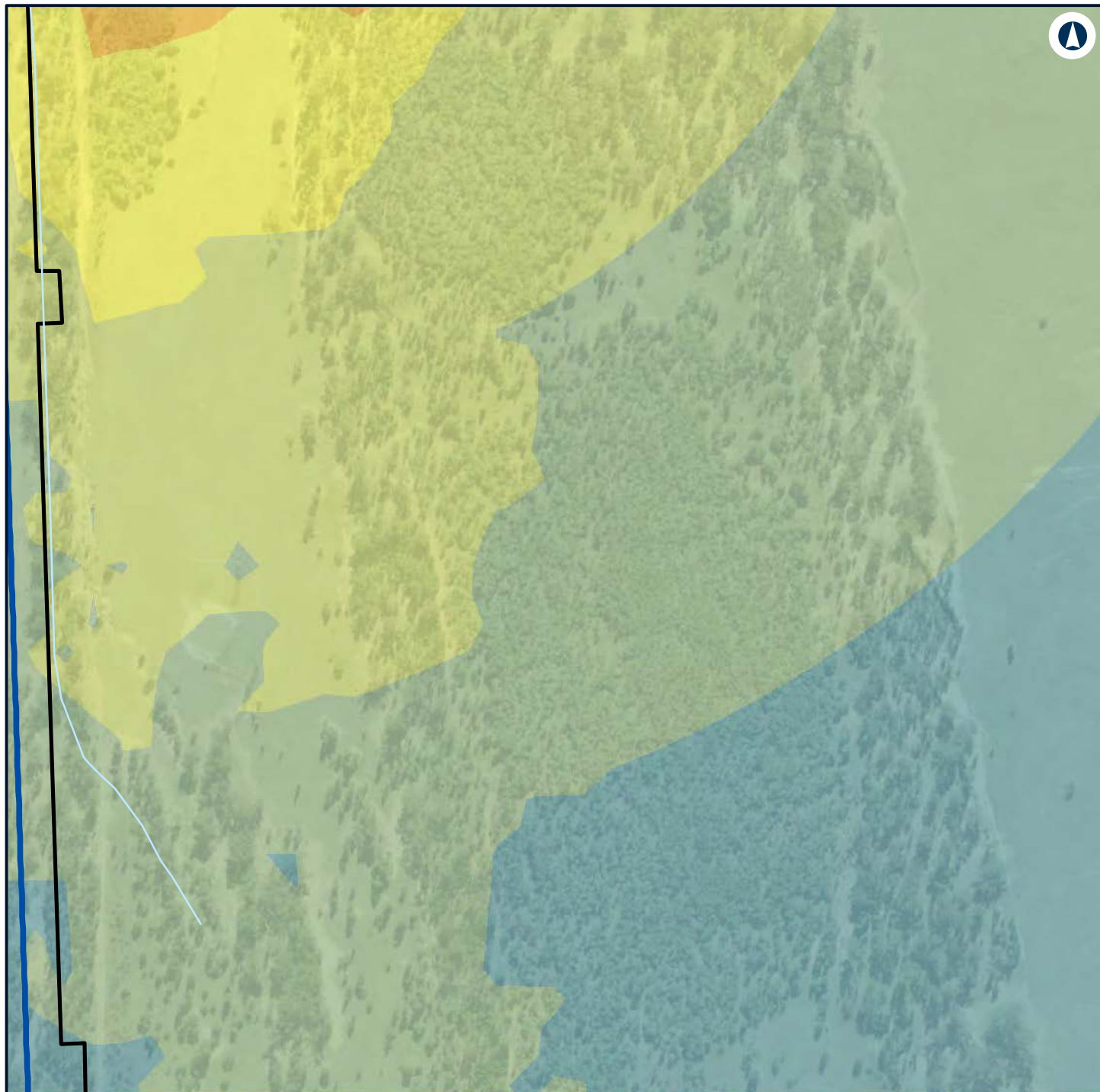
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

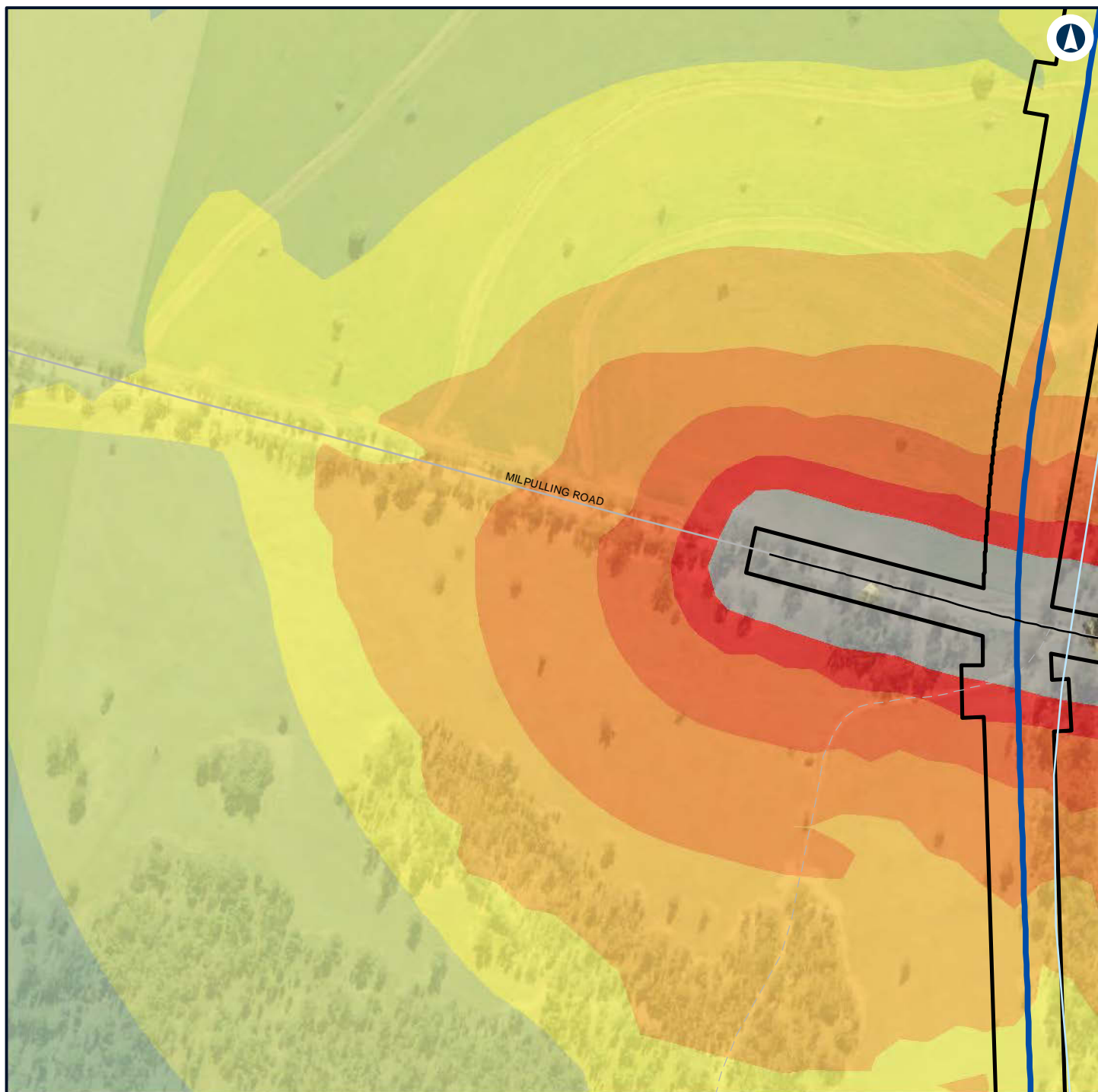
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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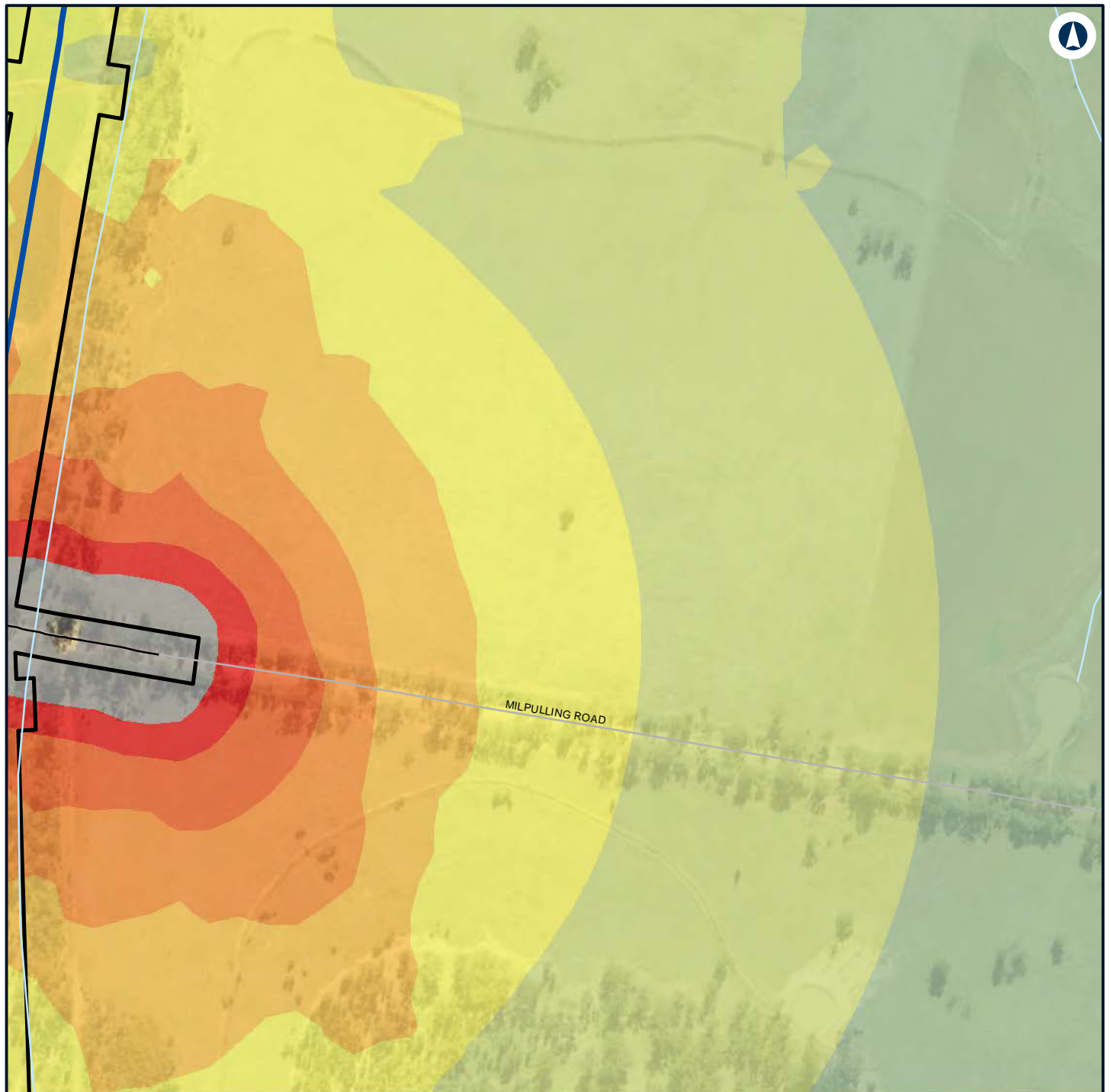
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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
	65 - 70
	70 - 75
	> 75
Noise level (dBA L)	
Aeq 15 minute)	
40 - 45	
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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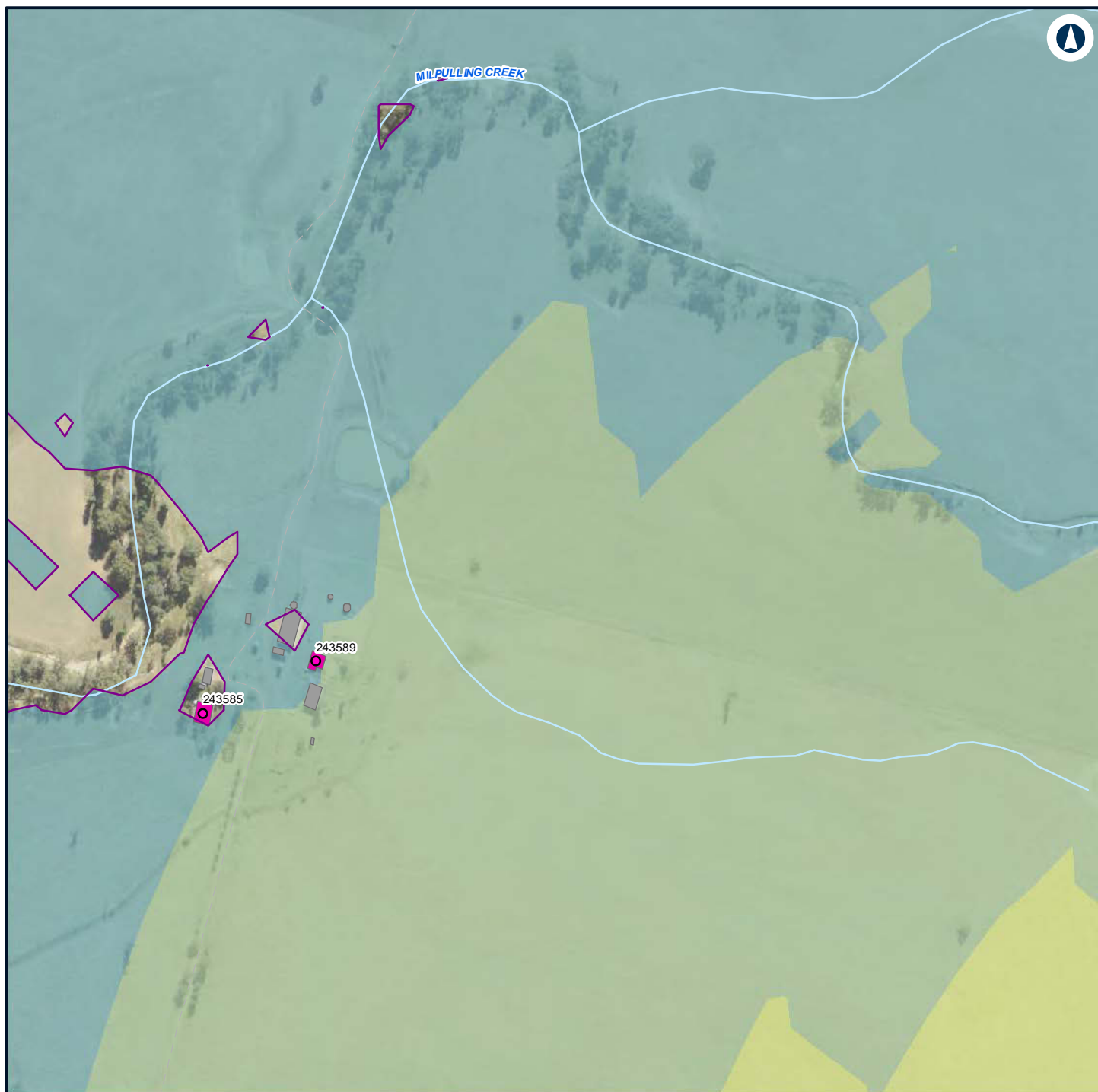
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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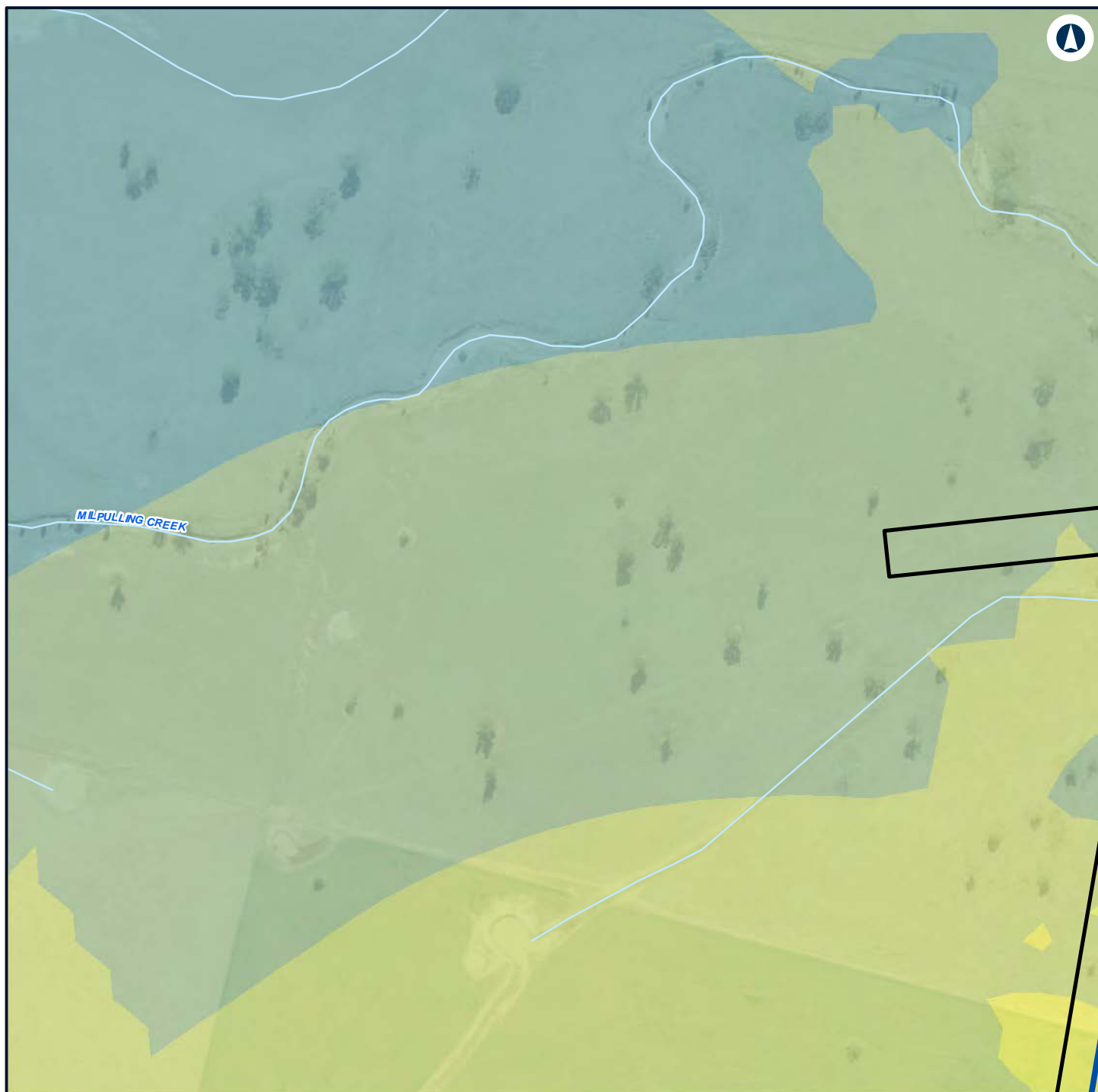
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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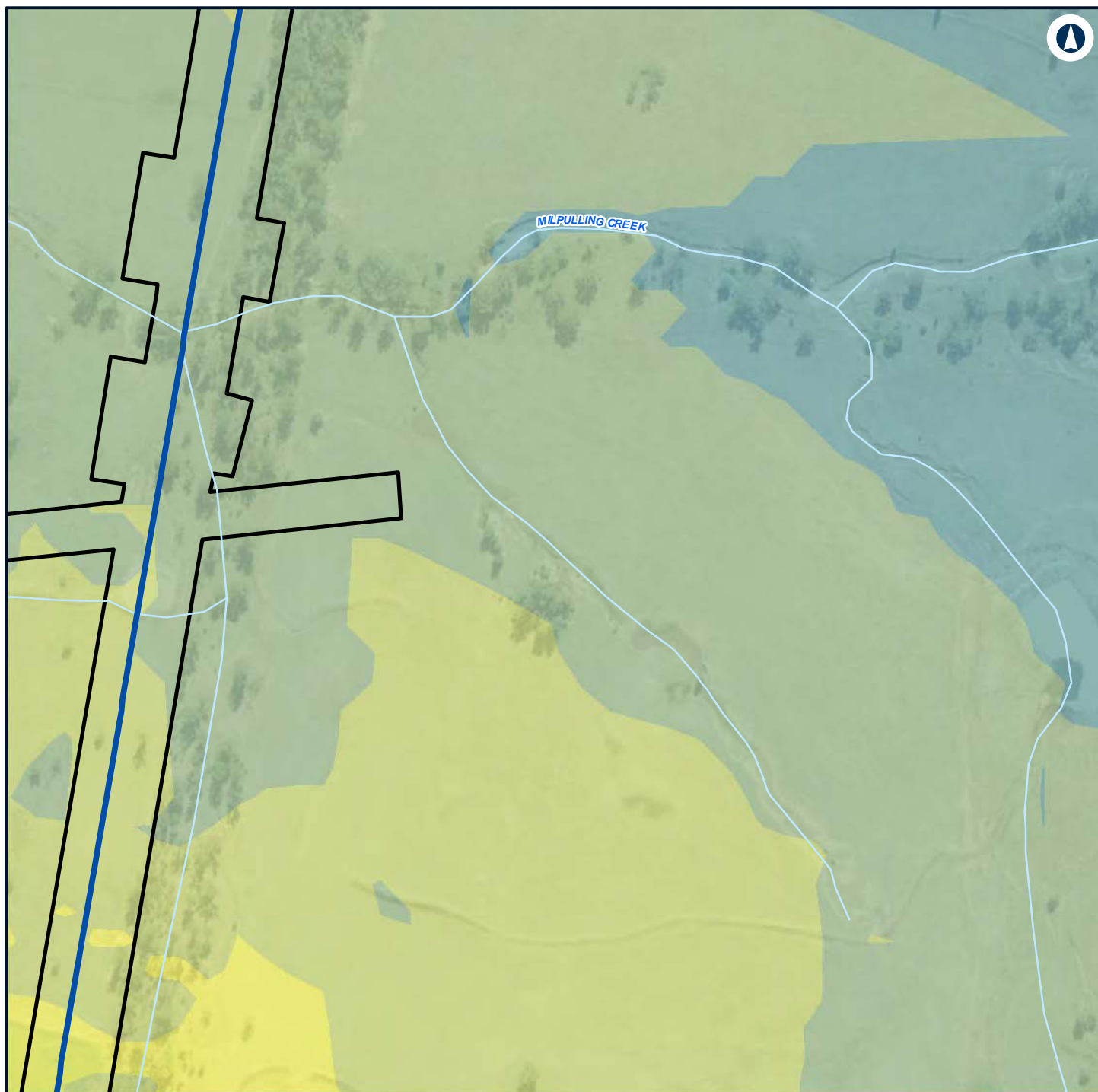
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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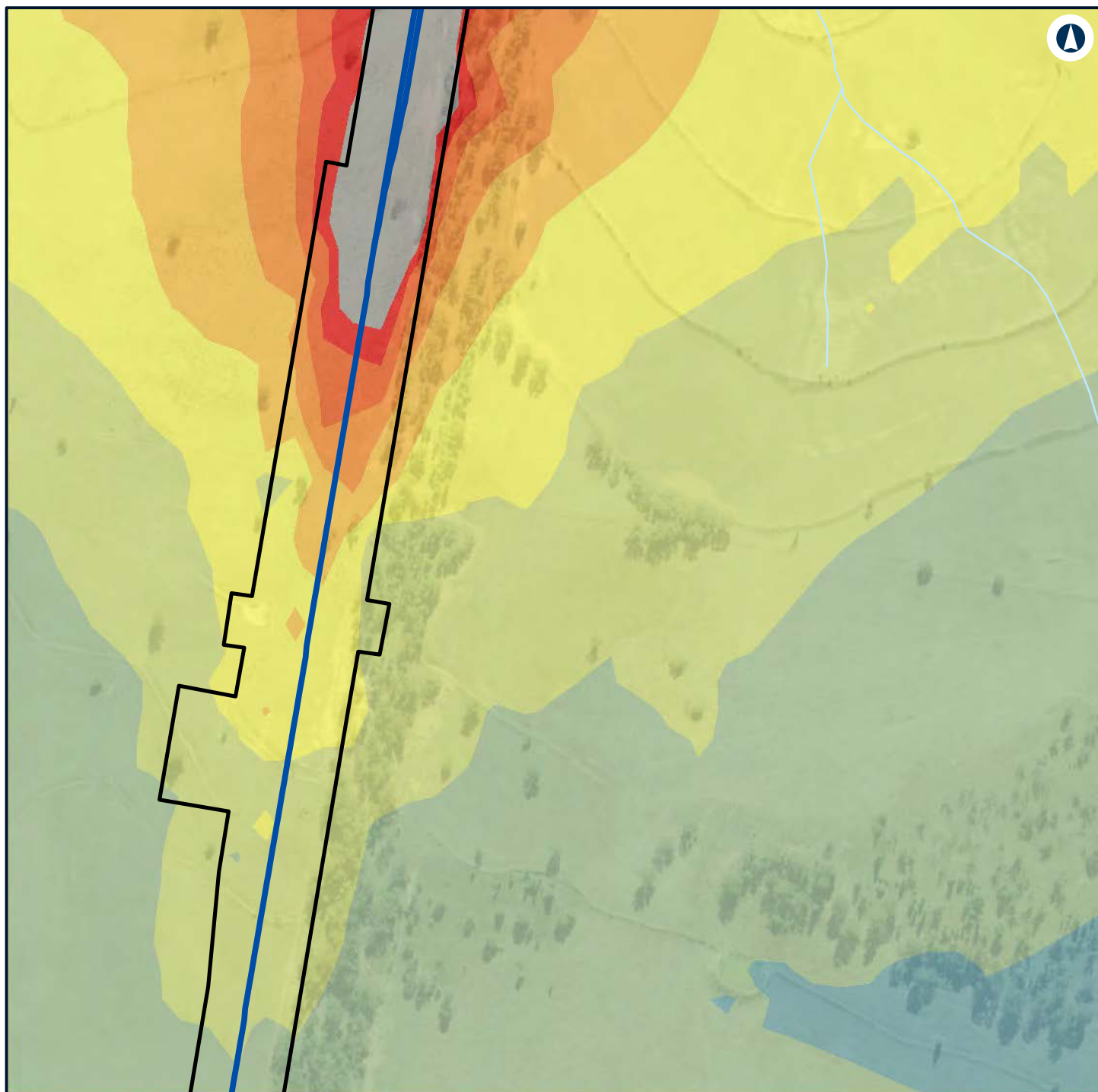
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Scale: 1:5,000

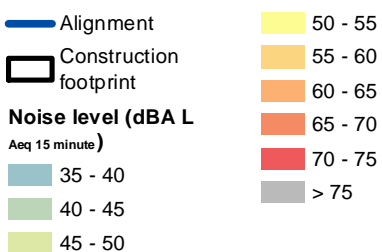
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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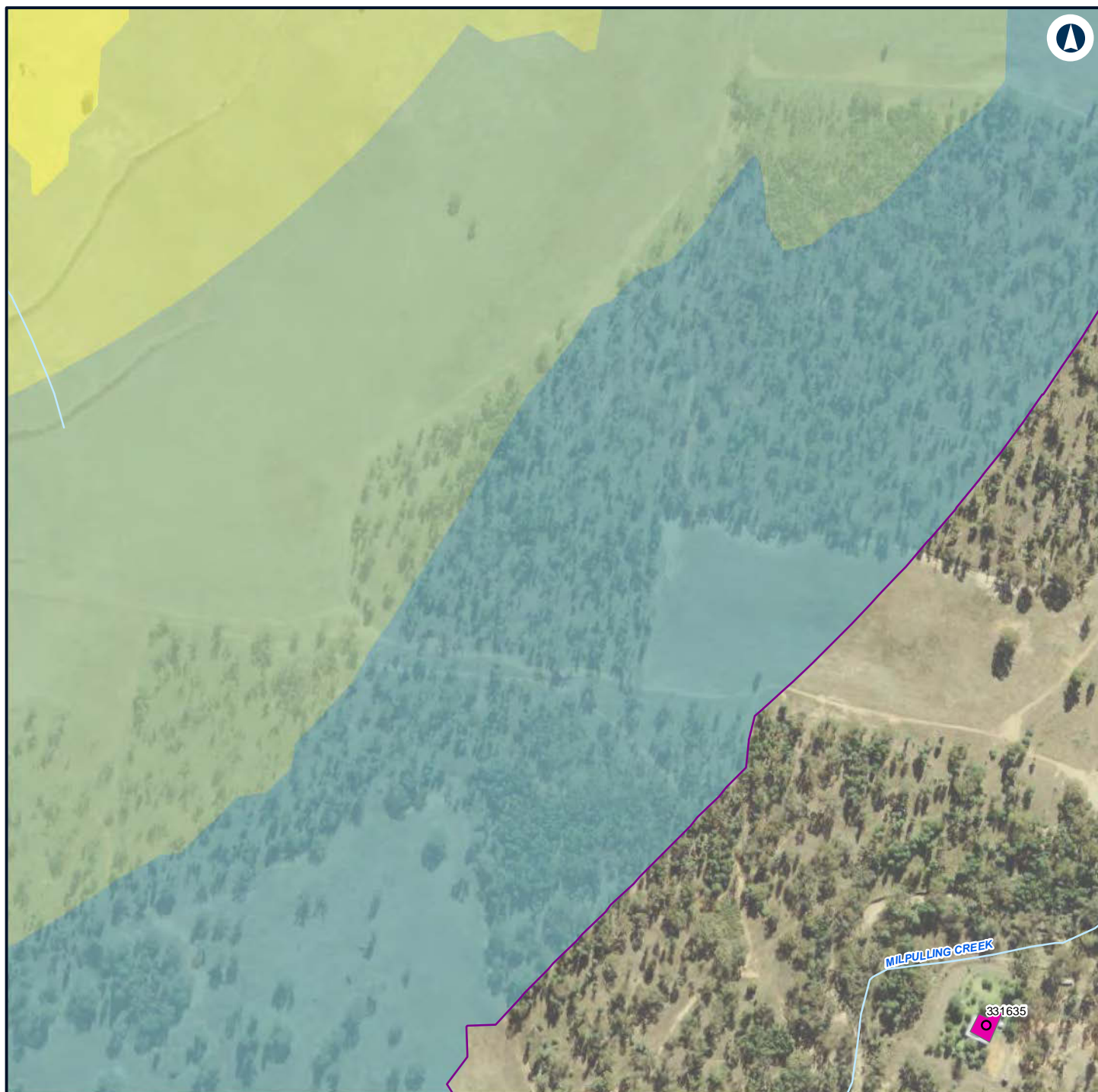
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LEGEND

Structure type

- Residential 40 - 45
- Residential 45 - 50
- Residential 50 - 55

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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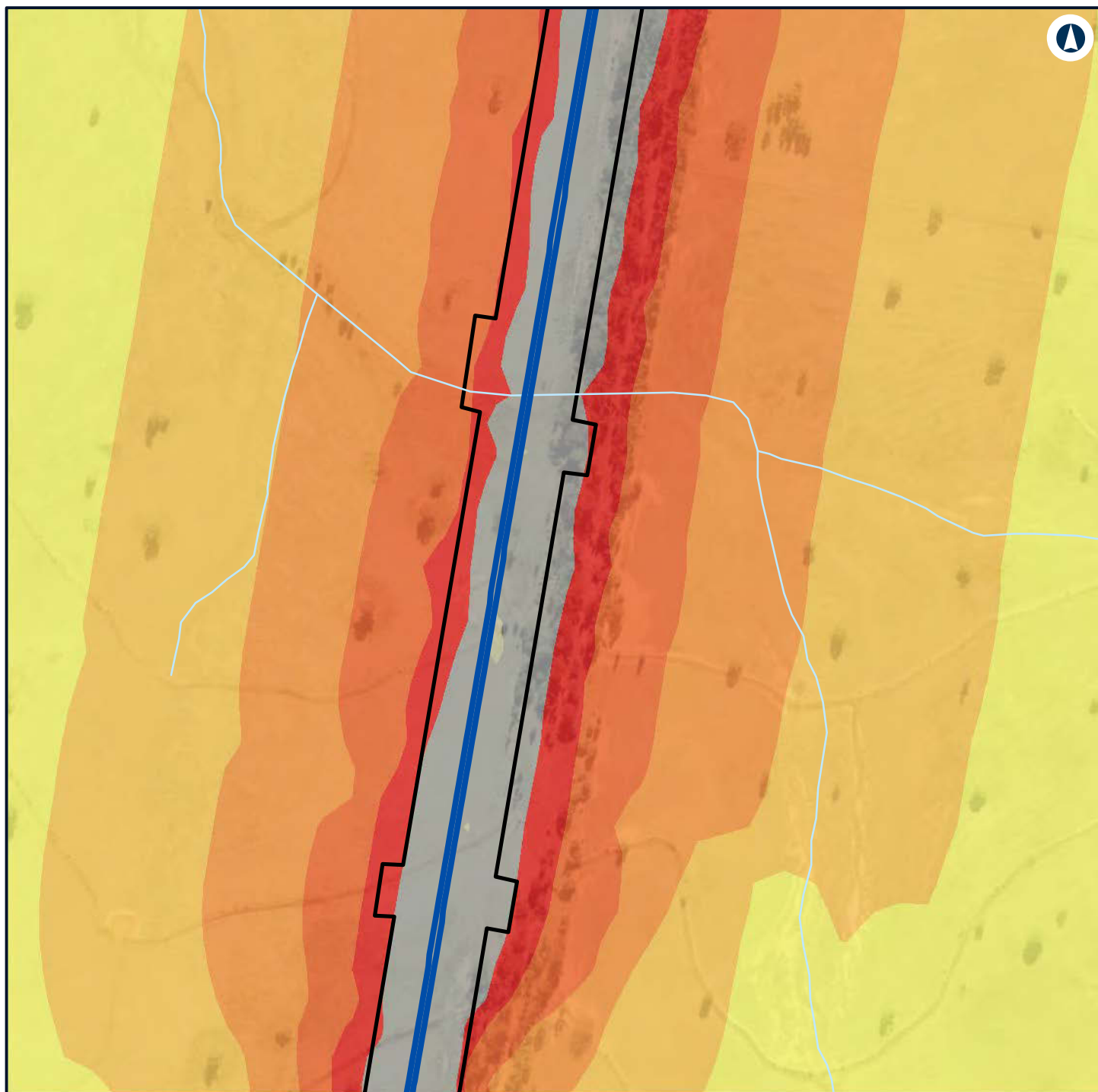
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LEGEND

- Alignment
- Construction footprint
- 65 - 70
- 70 - 75
- > 75

Noise level (dBA L Aeq 15 minute)

- 50 - 55
- 55 - 60
- 60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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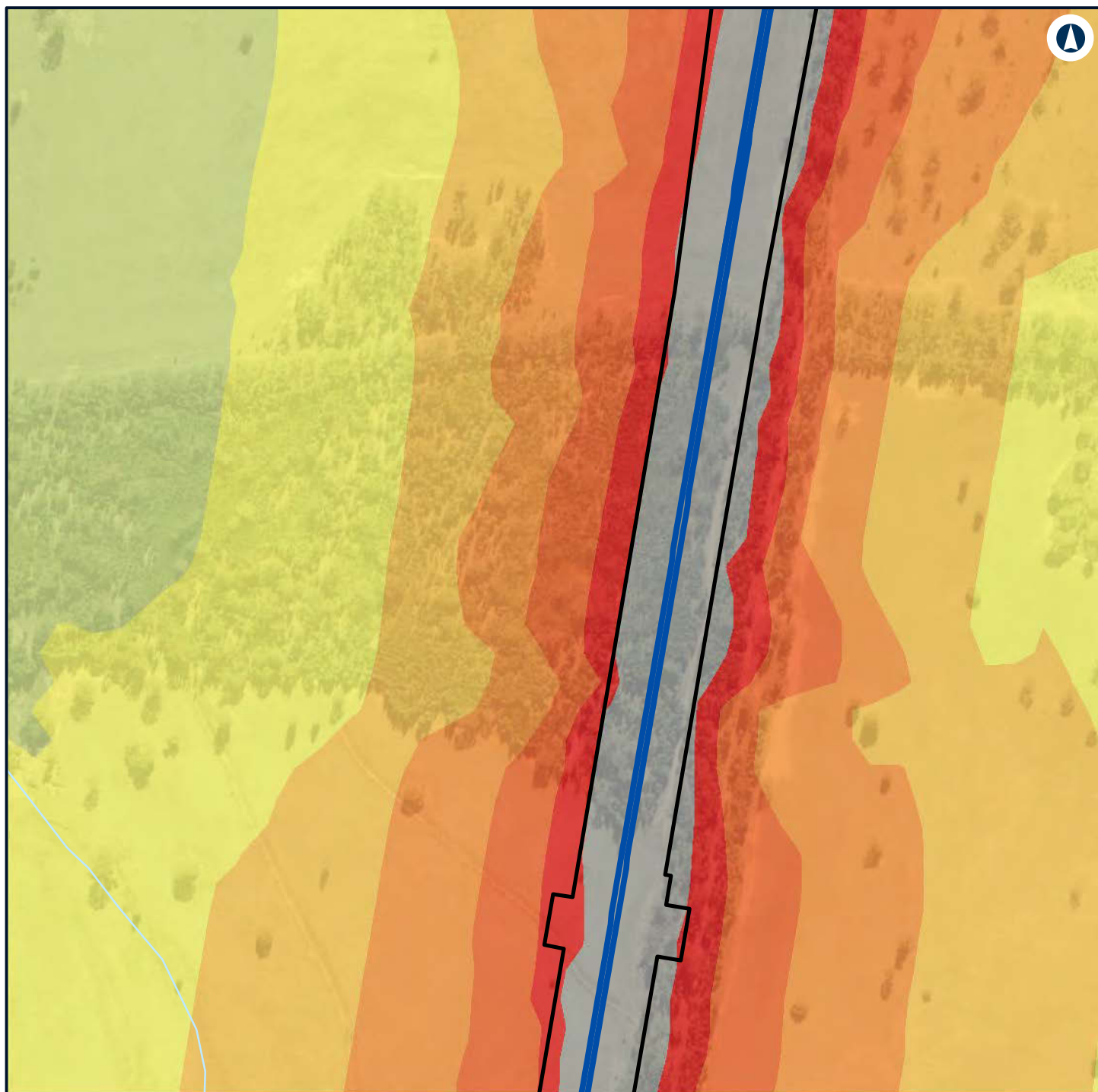
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- 60 - 65
- 65 - 70
- 70 - 75
- > 75

Noise level (dBA L Aeq 15 minute)

- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

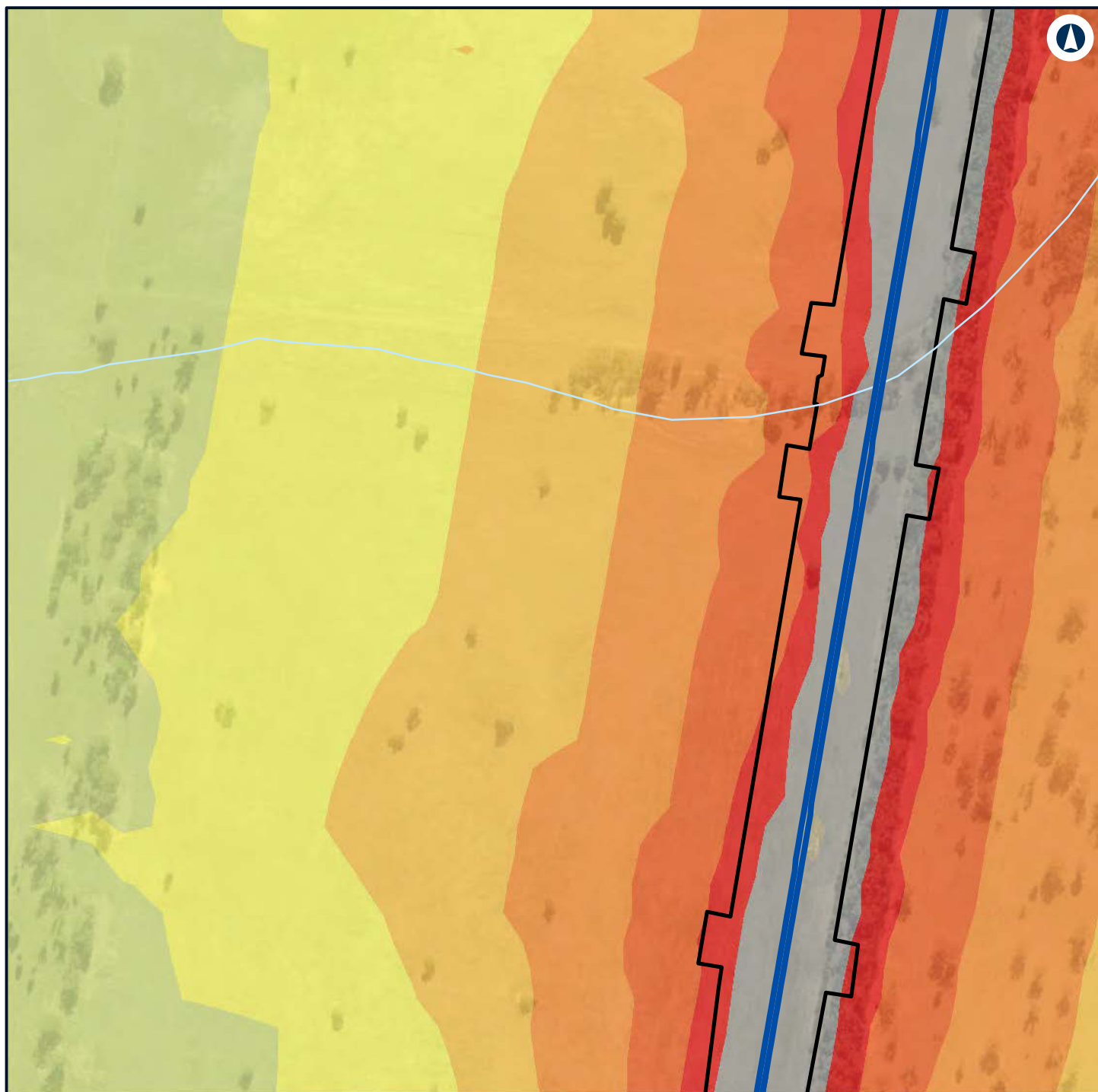
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LEGEND

- Alignment
- Construction footprint
- 60 - 65
- 65 - 70
- 70 - 75
- > 75

Noise level (dBA L Aeq 15 minute)

- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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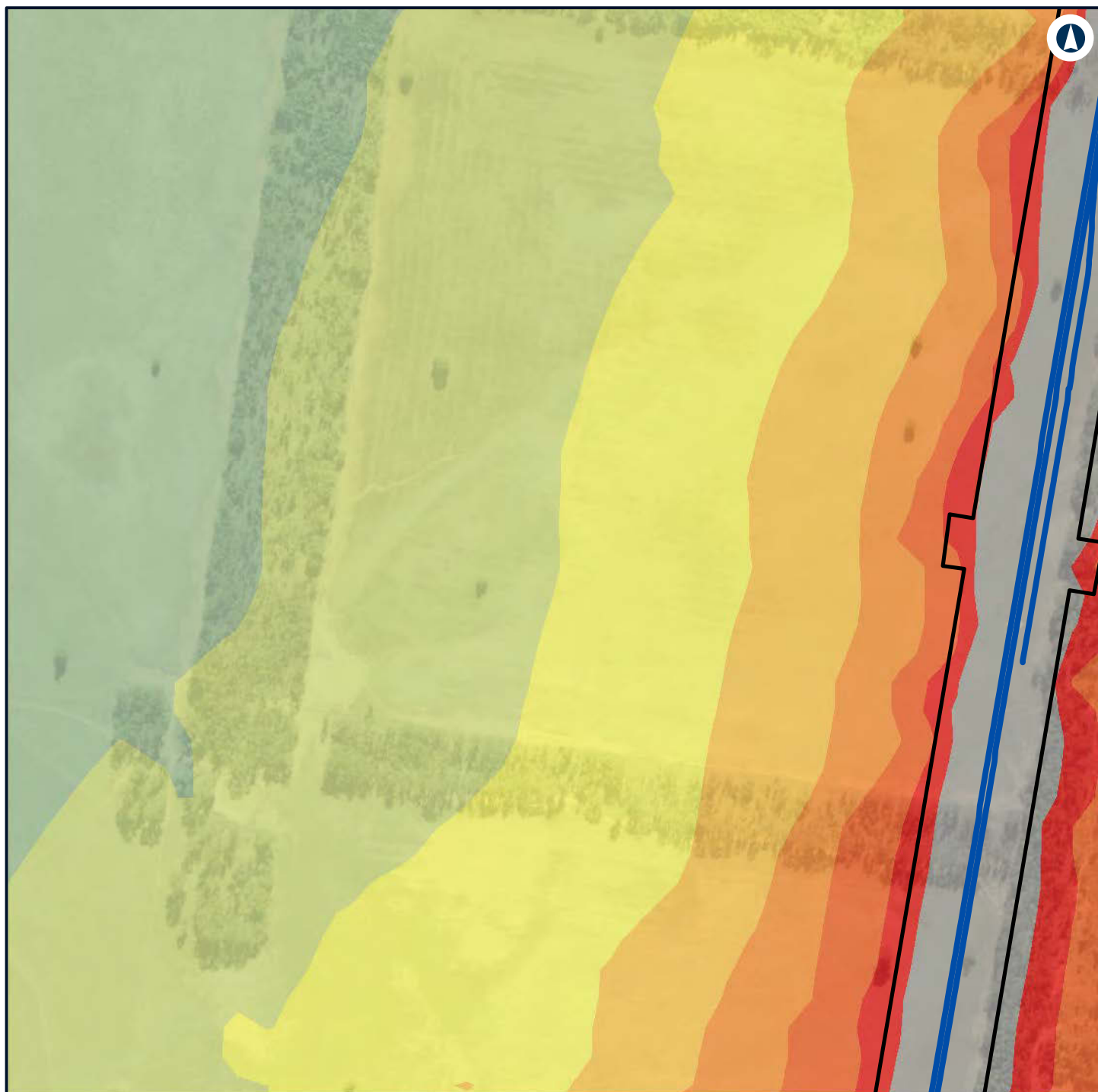
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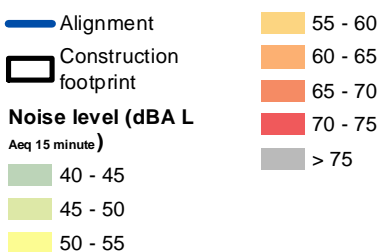
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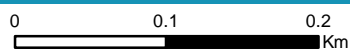
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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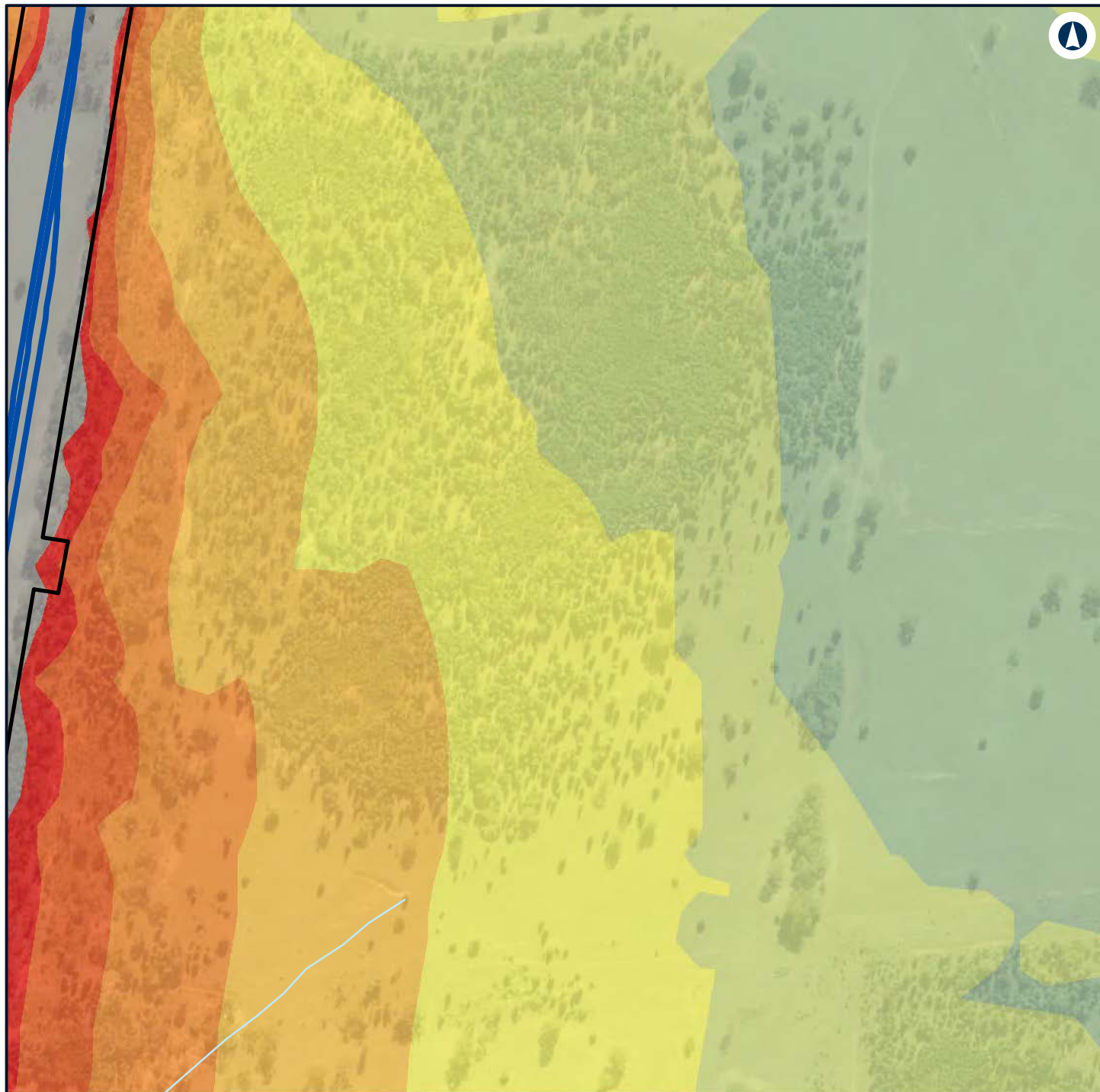
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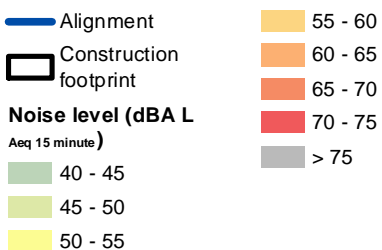
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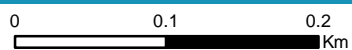
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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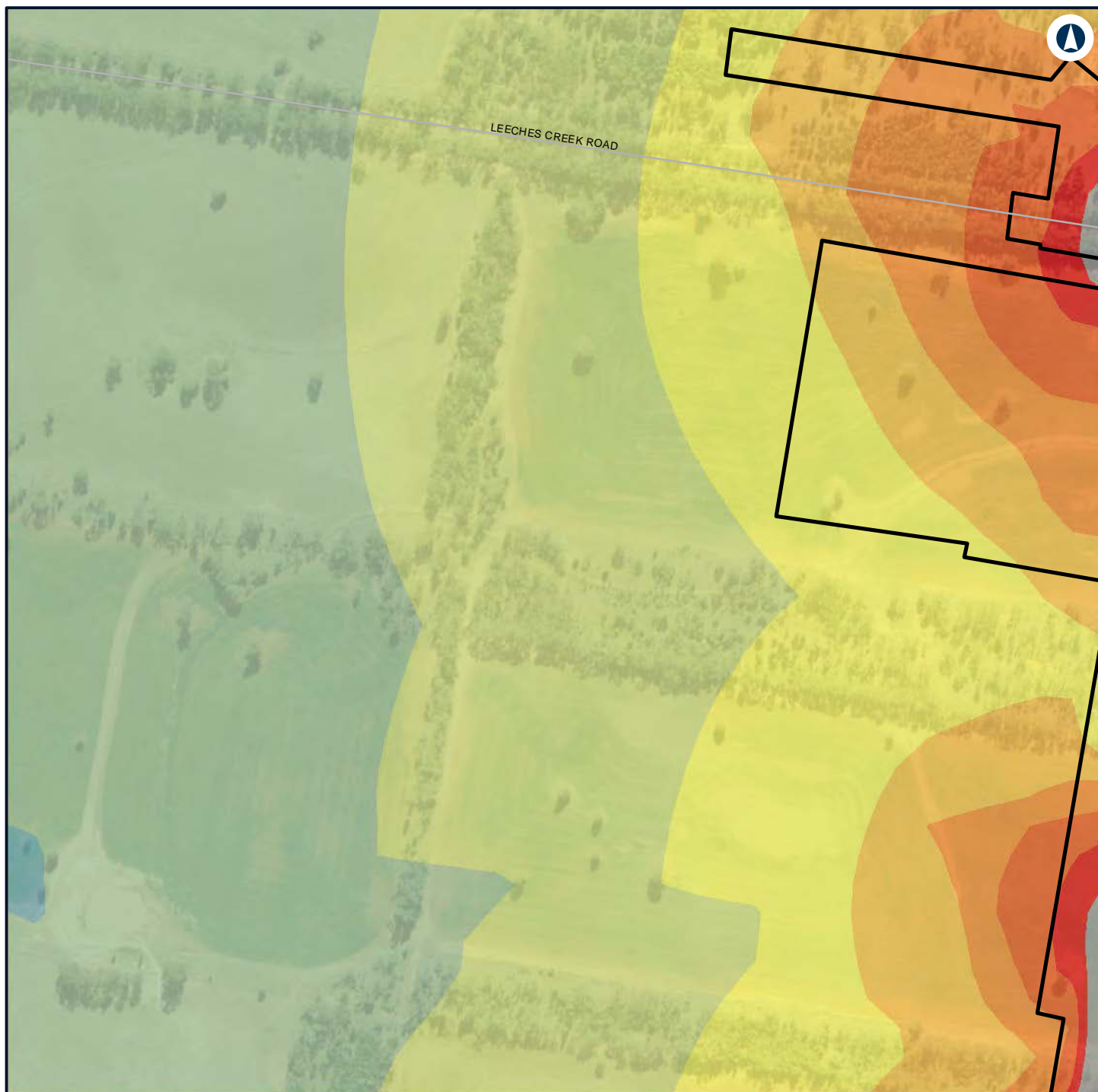
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LEGEND

Construction footprint

**Noise level (dBA L
Aeq 15 minute)**

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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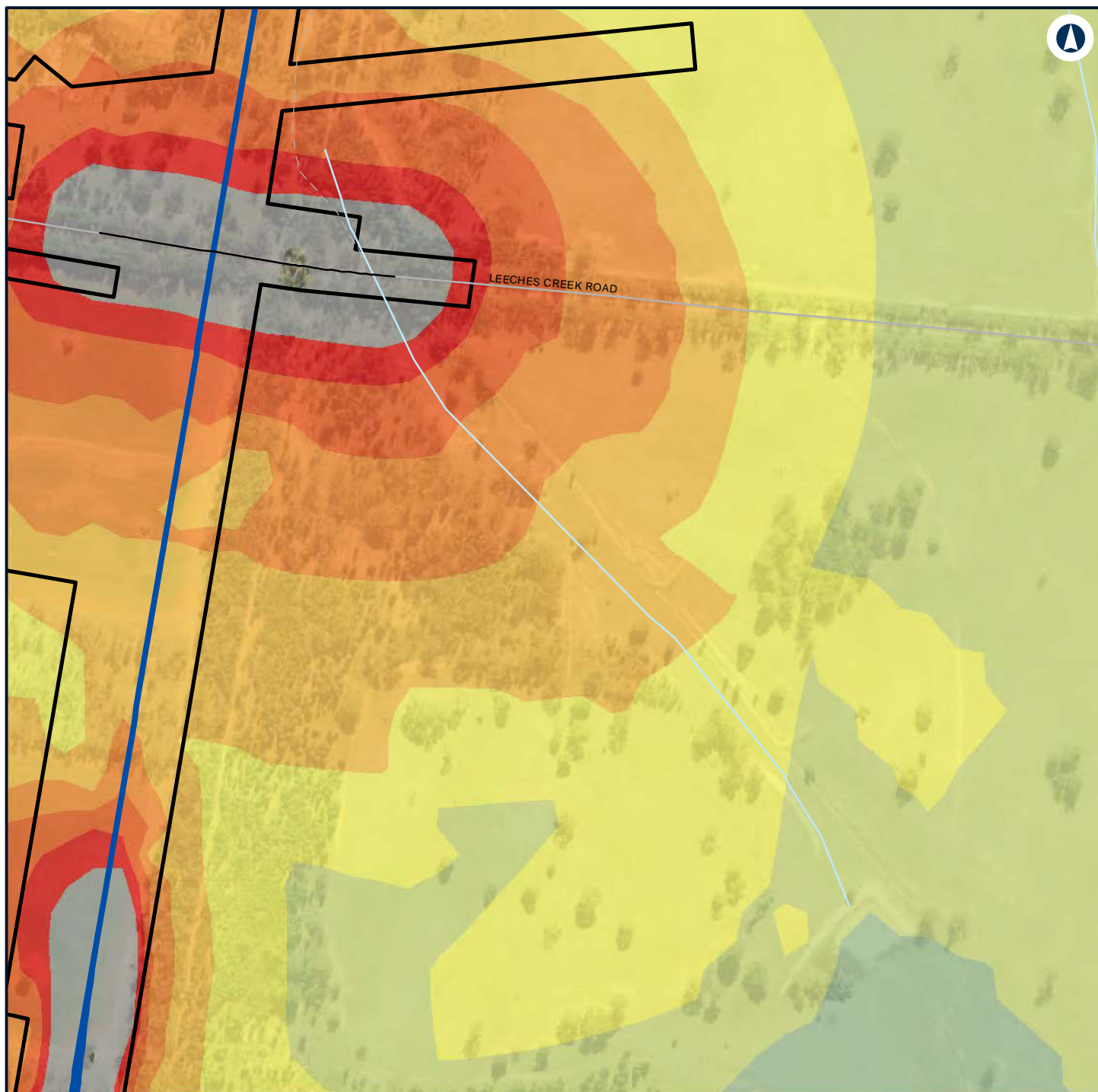
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L)**
Aeq 15 minute
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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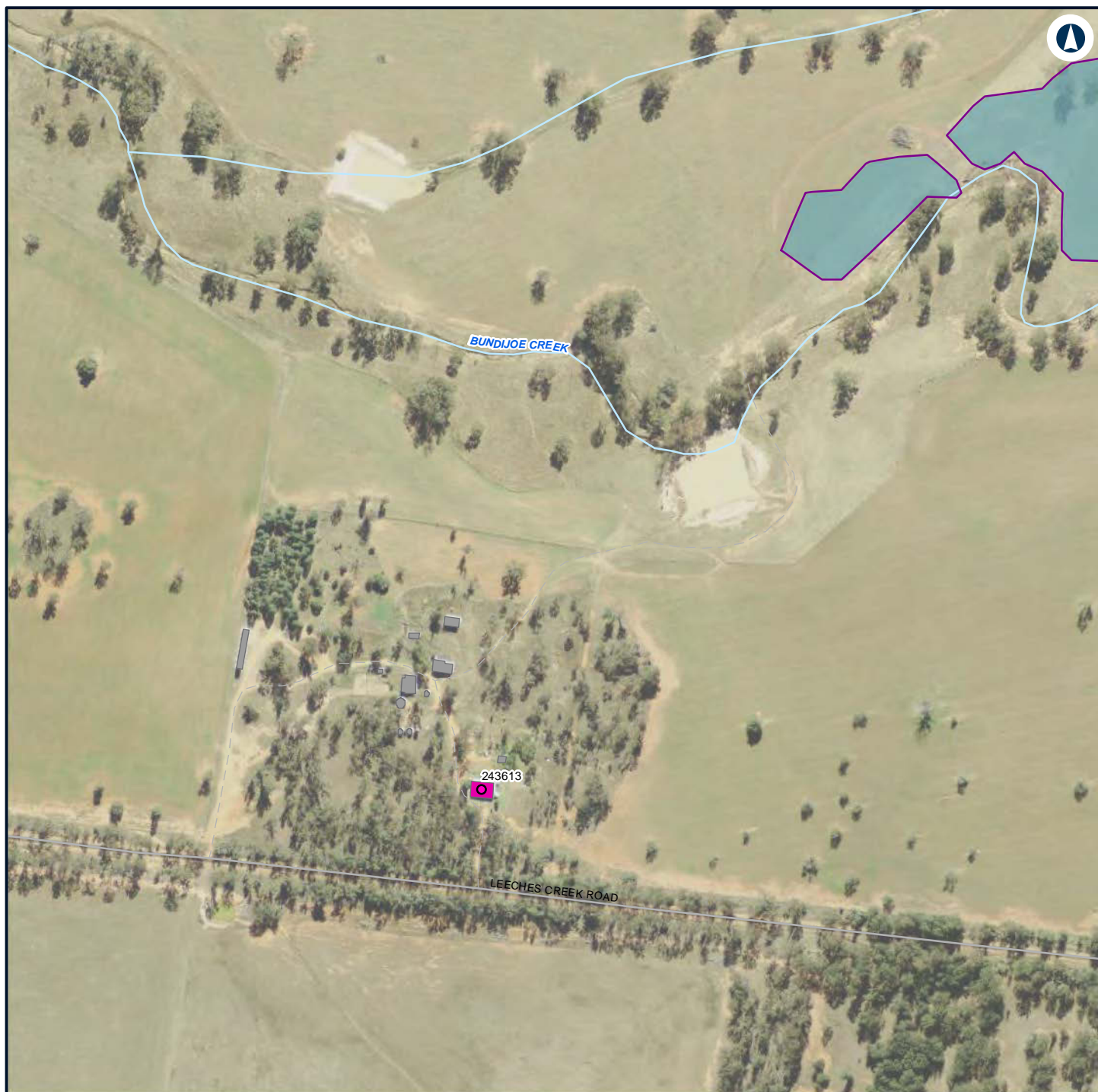
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LEGEND

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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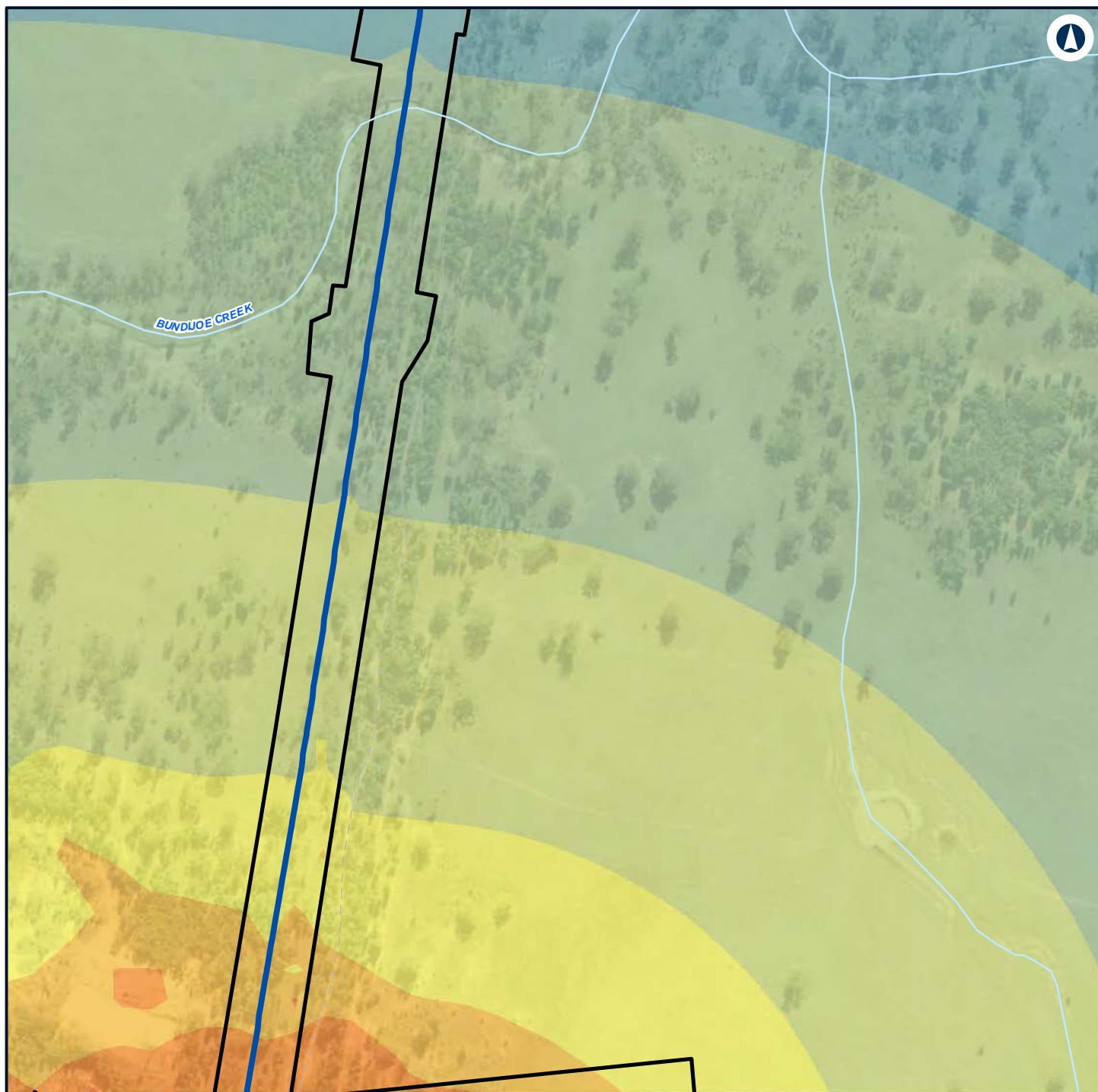
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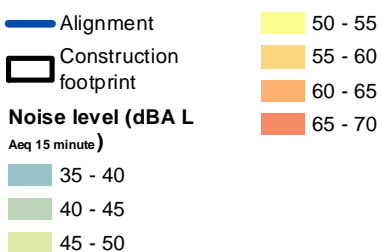
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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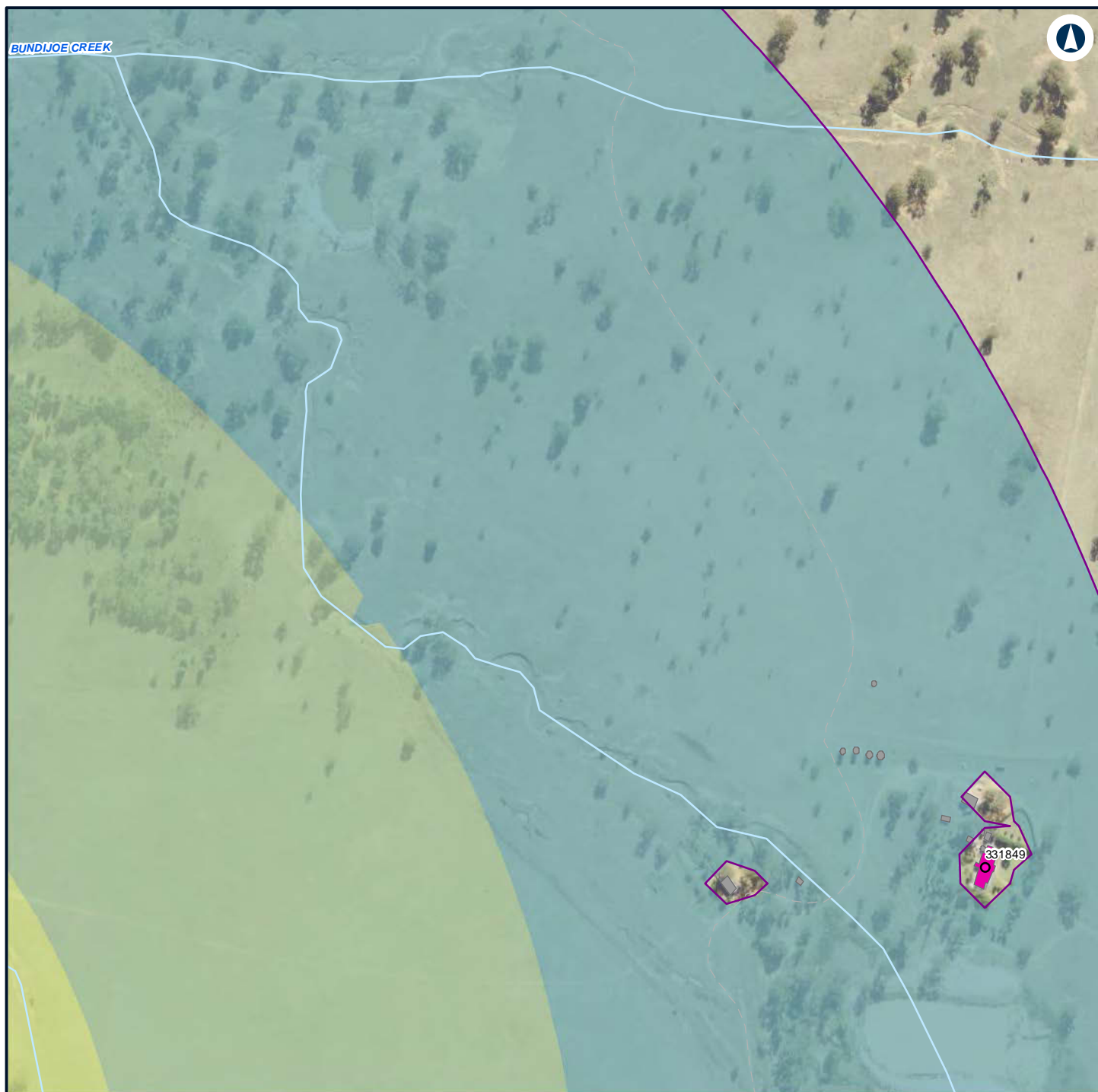
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Paper: A4

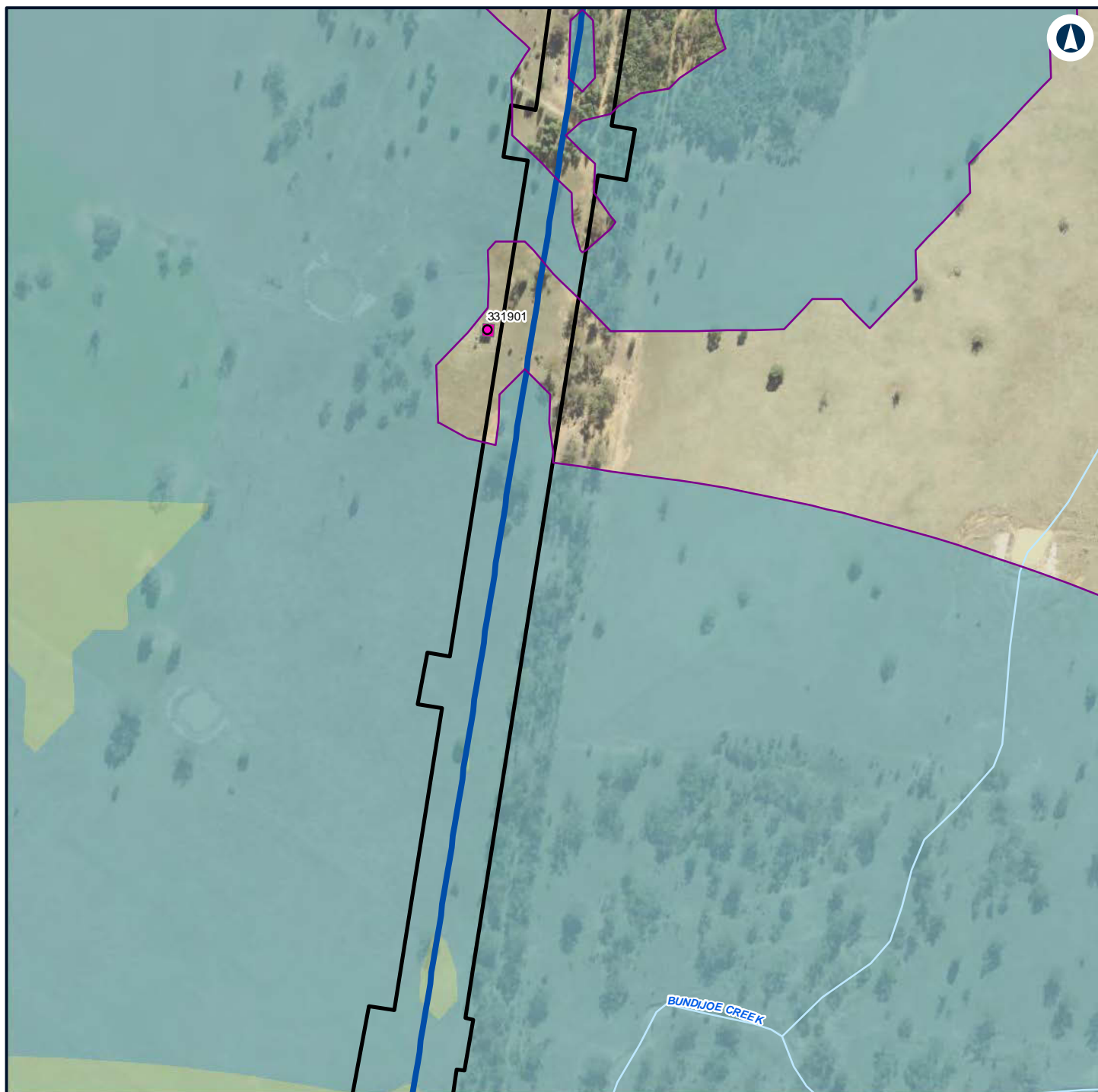
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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LEGEND

- Alignment
- Construction footprint

Structure type

- Residential
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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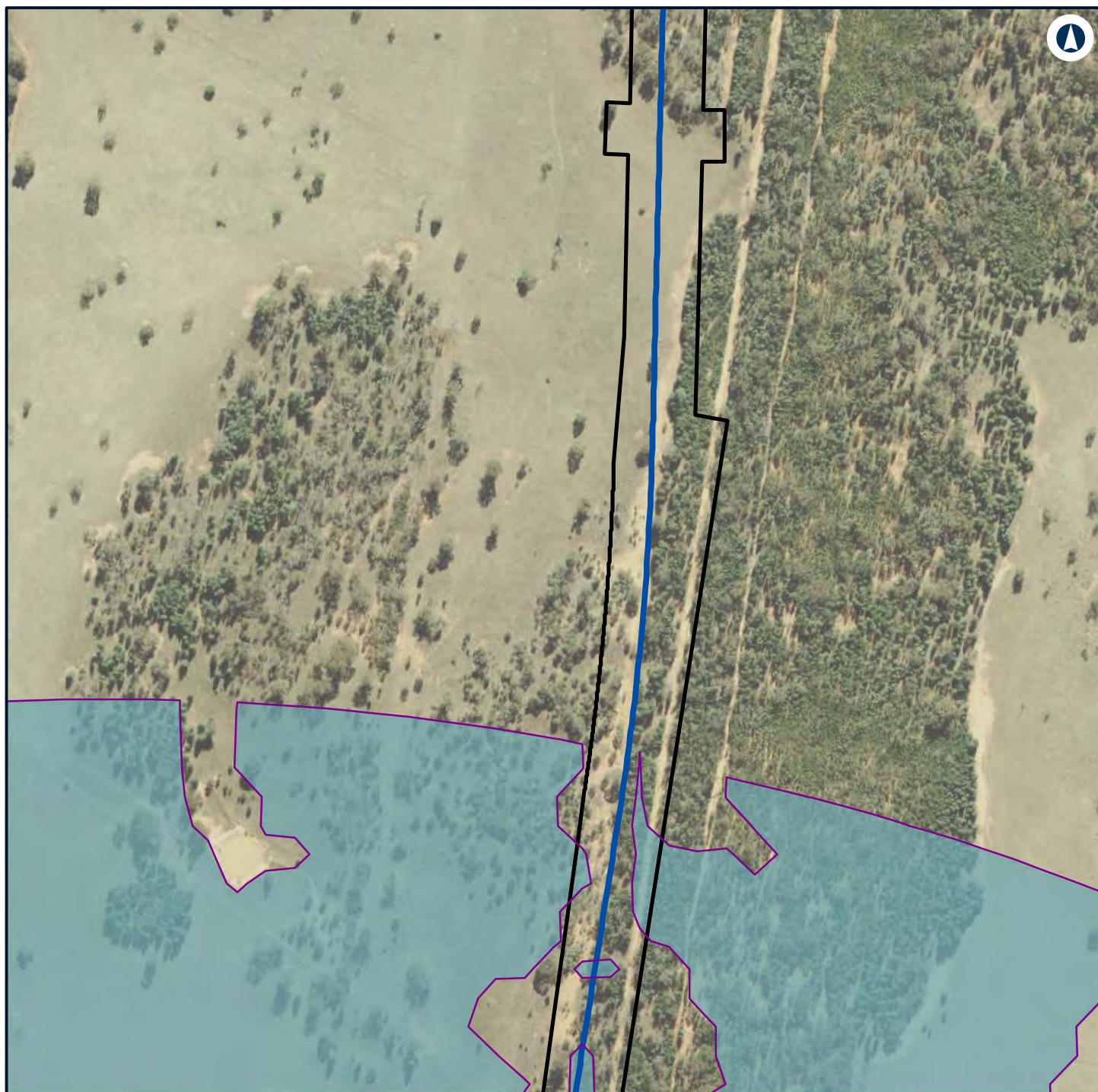
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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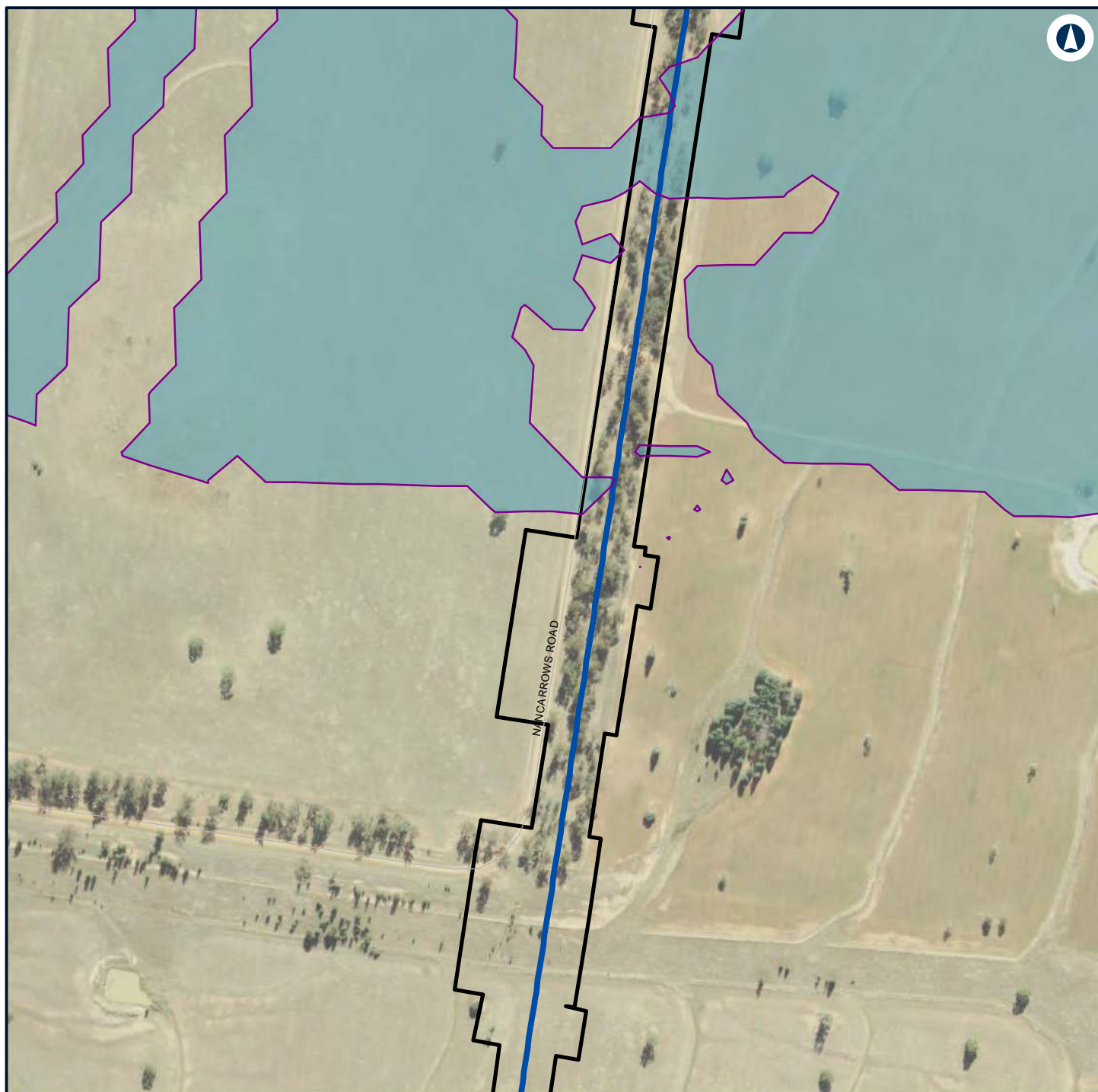
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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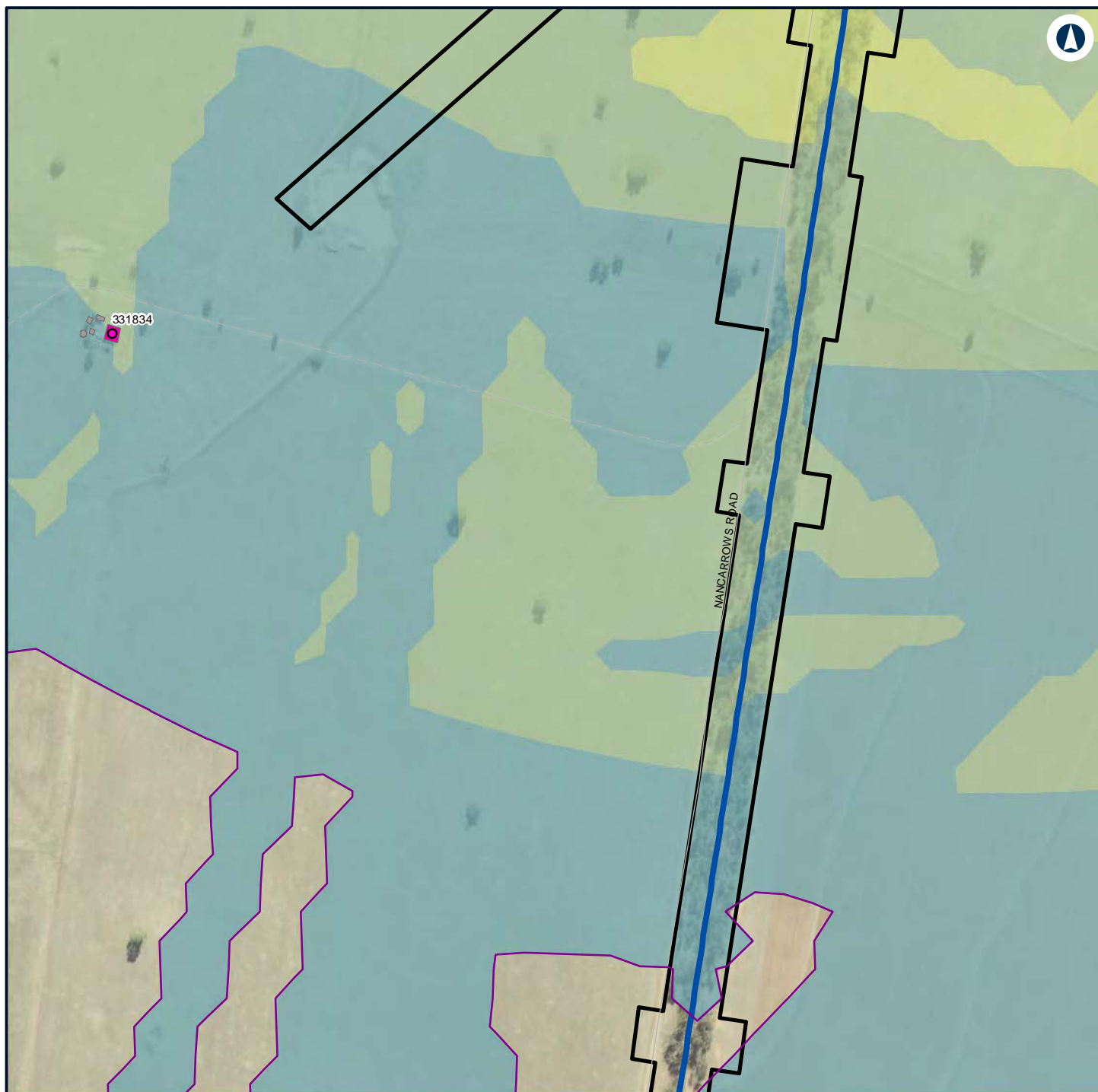
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LEGEND

- Alignment
- Construction footprint
- Structure type**
 - Residential
 - Other
 - Residential
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

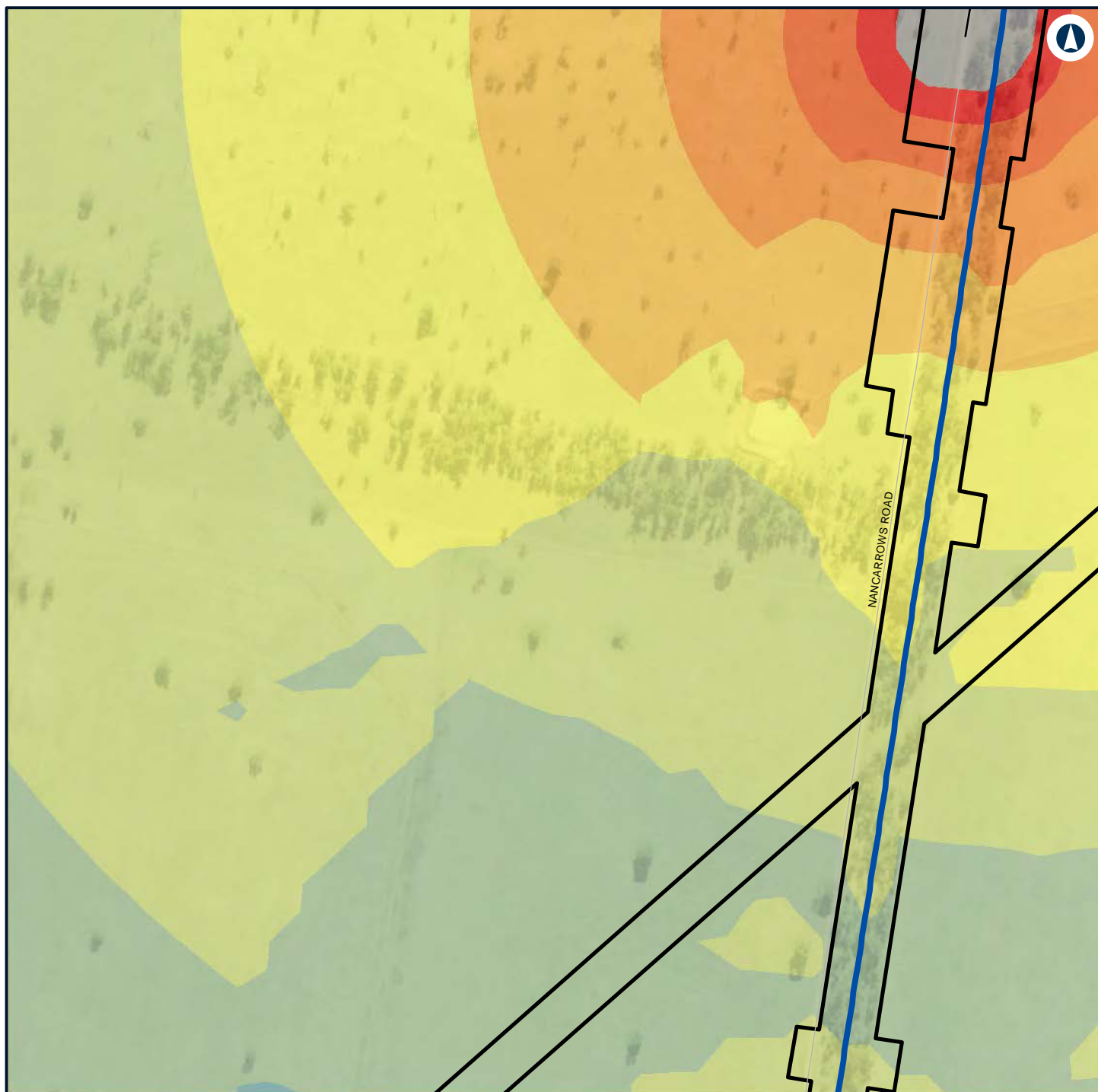
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LEGEND

- Alignment
 - Road design string
 - Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- | | |
|---|--|
| ■ 35 - 40 | ■ 45 - 50 |
| ■ 40 - 45 | ■ 50 - 55 |
| | ■ 55 - 60 |
| | ■ 60 - 65 |
| | ■ 65 - 70 |
| | ■ 70 - 75 |
| | ■ > 75 |



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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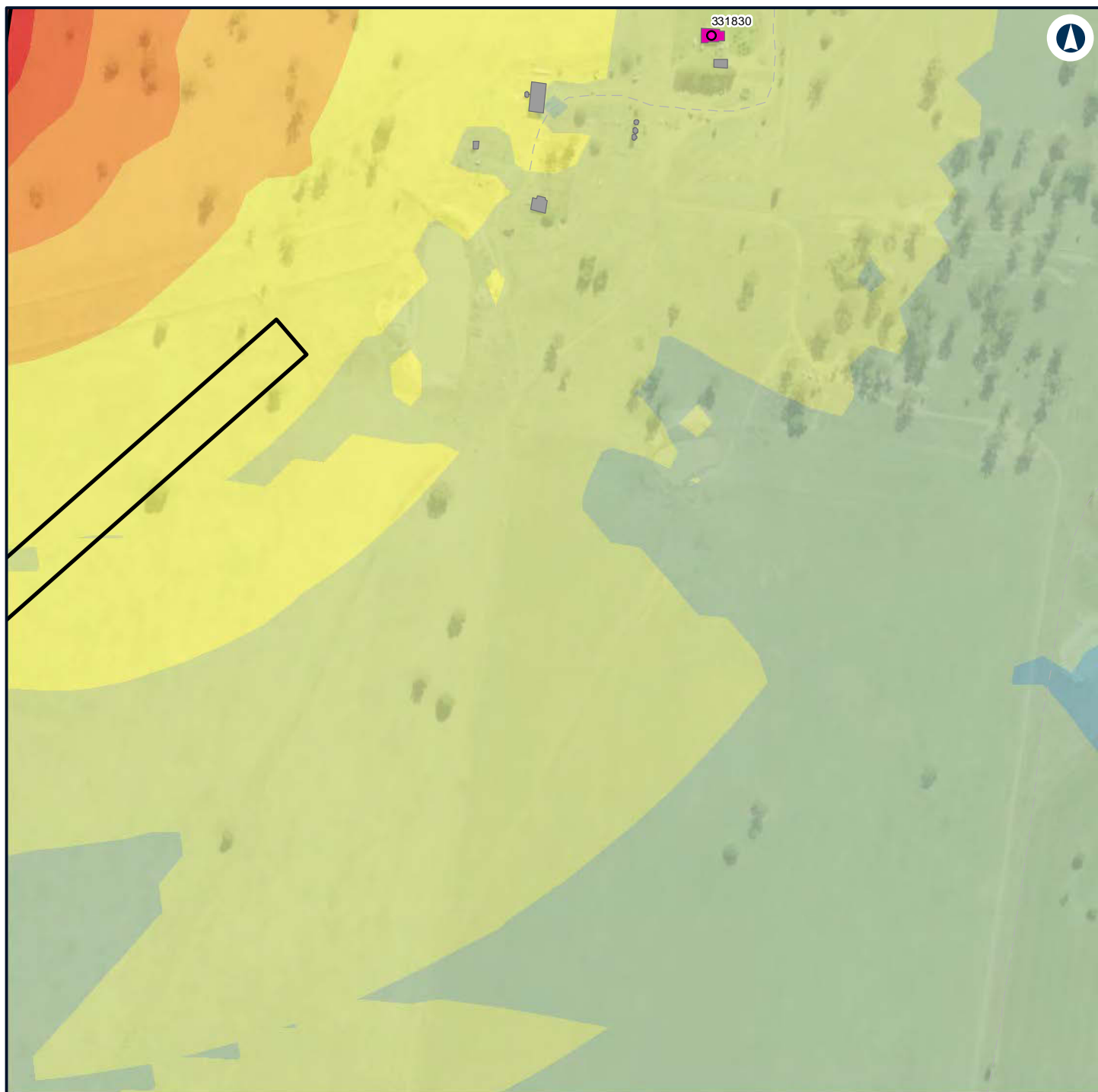
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LEGEND

Construction footprint

Structure type

- Residential
- Other
- Residential

Noise level (dBA L Aeq 15 minute)

	35 - 40		60 - 65
	40 - 45		65 - 70
	45 - 50		70 - 75
	50 - 55		
	55 - 60		



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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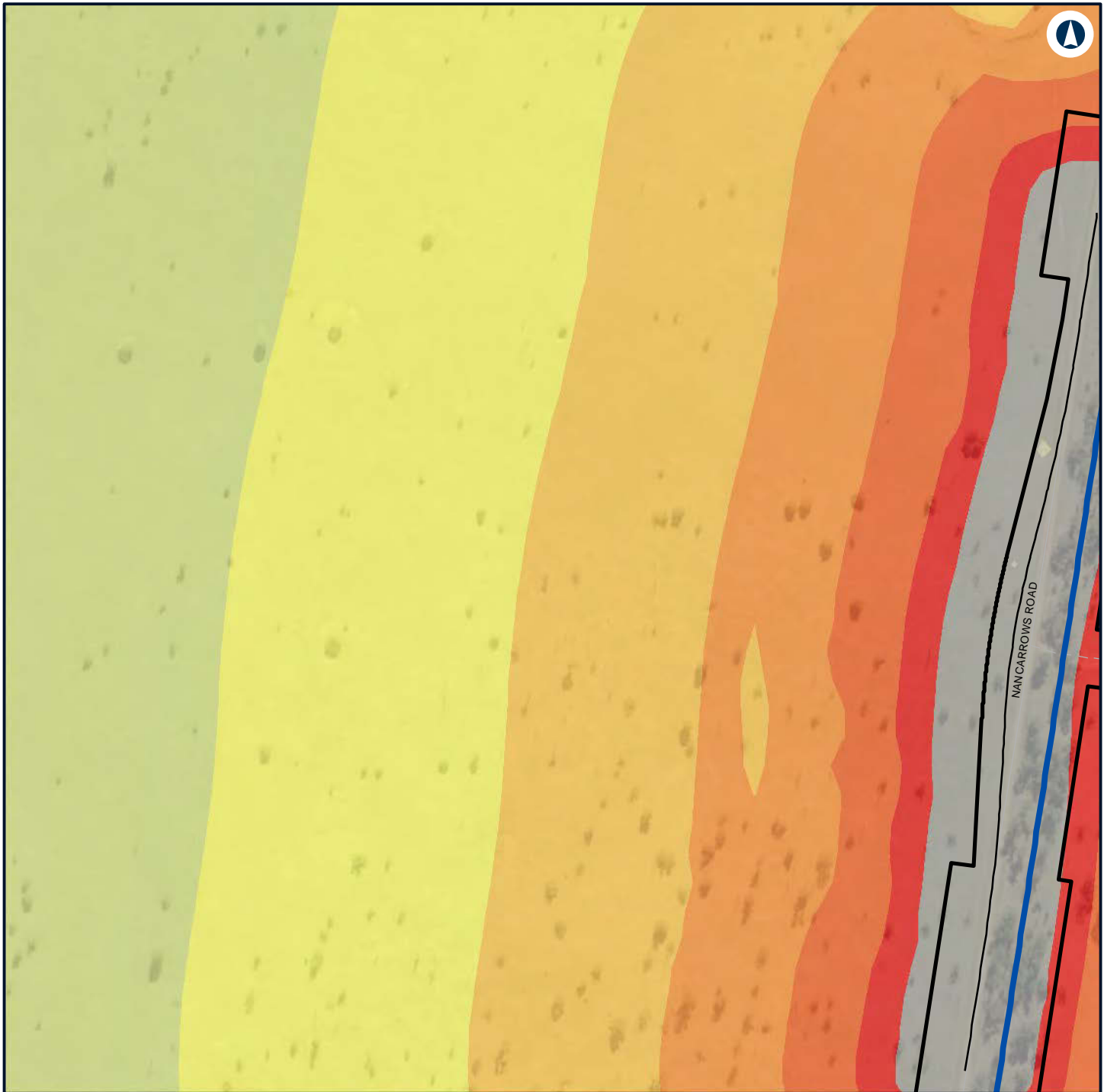
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

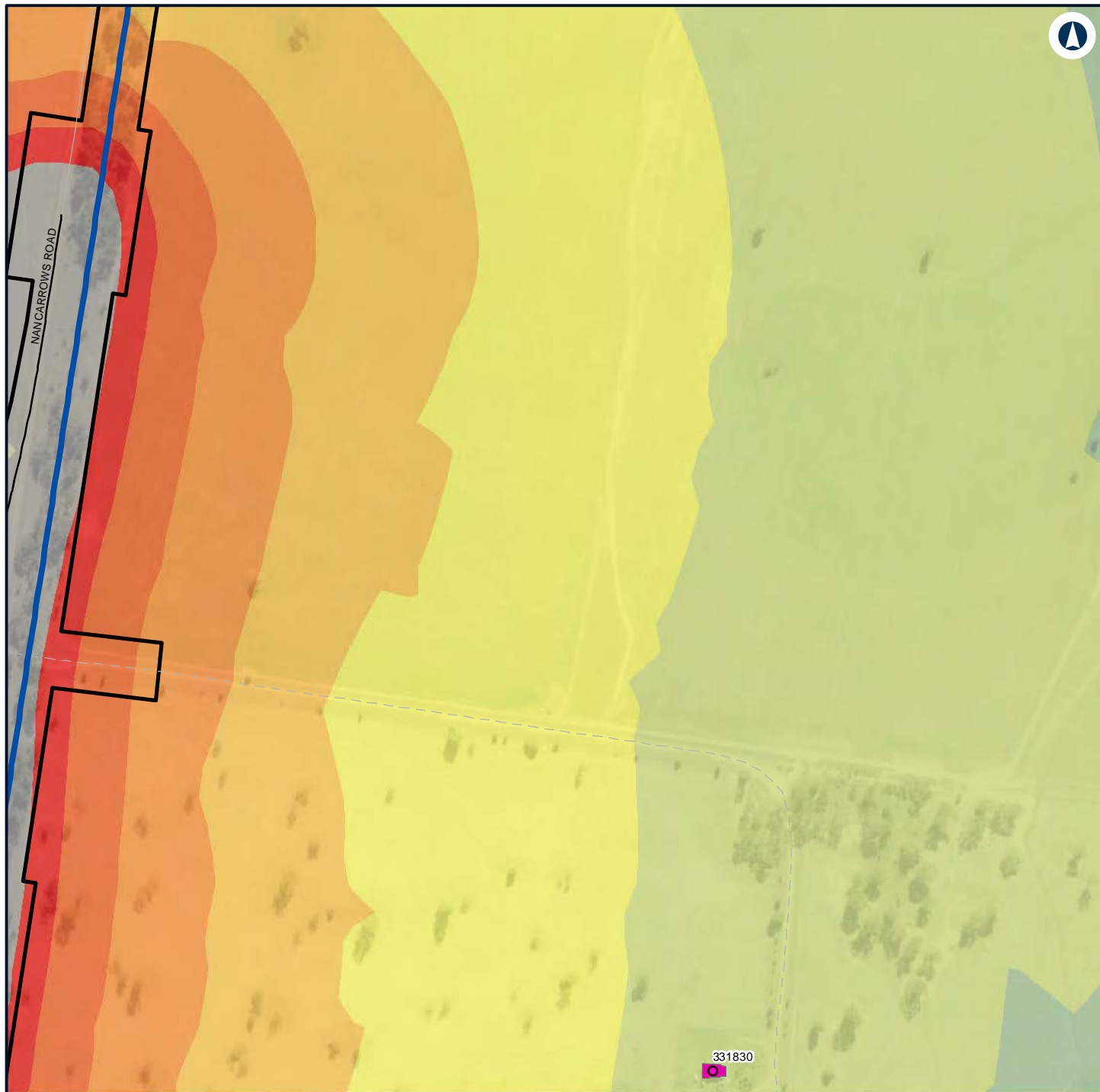
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LEGEND

Alignment	Residential	60 - 65
Road design string	Noise level (dBA L Aeq 15 minute)	65 - 70
Construction footprint	40 - 45	70 - 75
Structure type	45 - 50	> 75
Residential	50 - 55	
Other	55 - 60	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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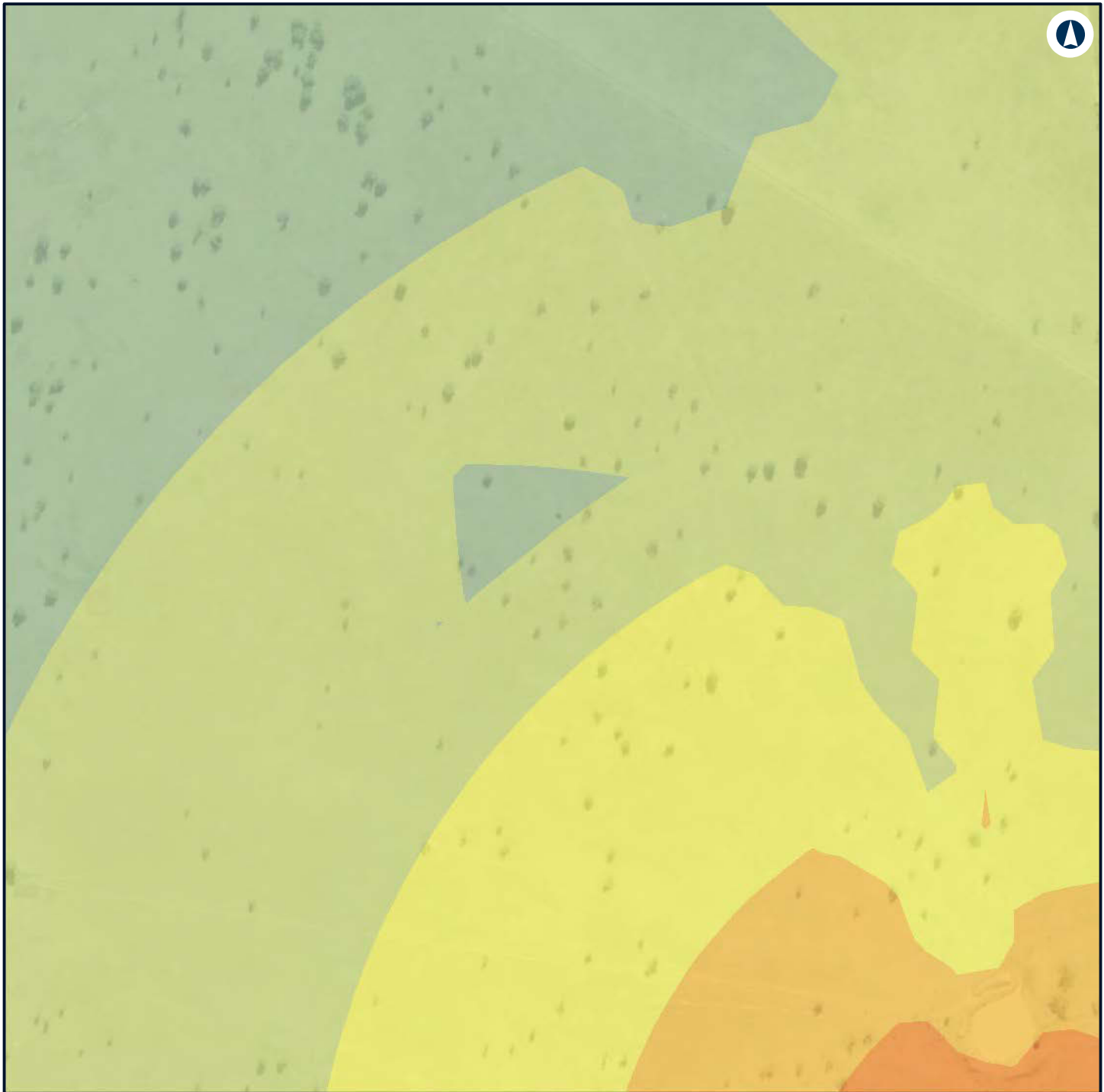
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LEGEND

Noise level (dBA L

Aeq 15 minute)

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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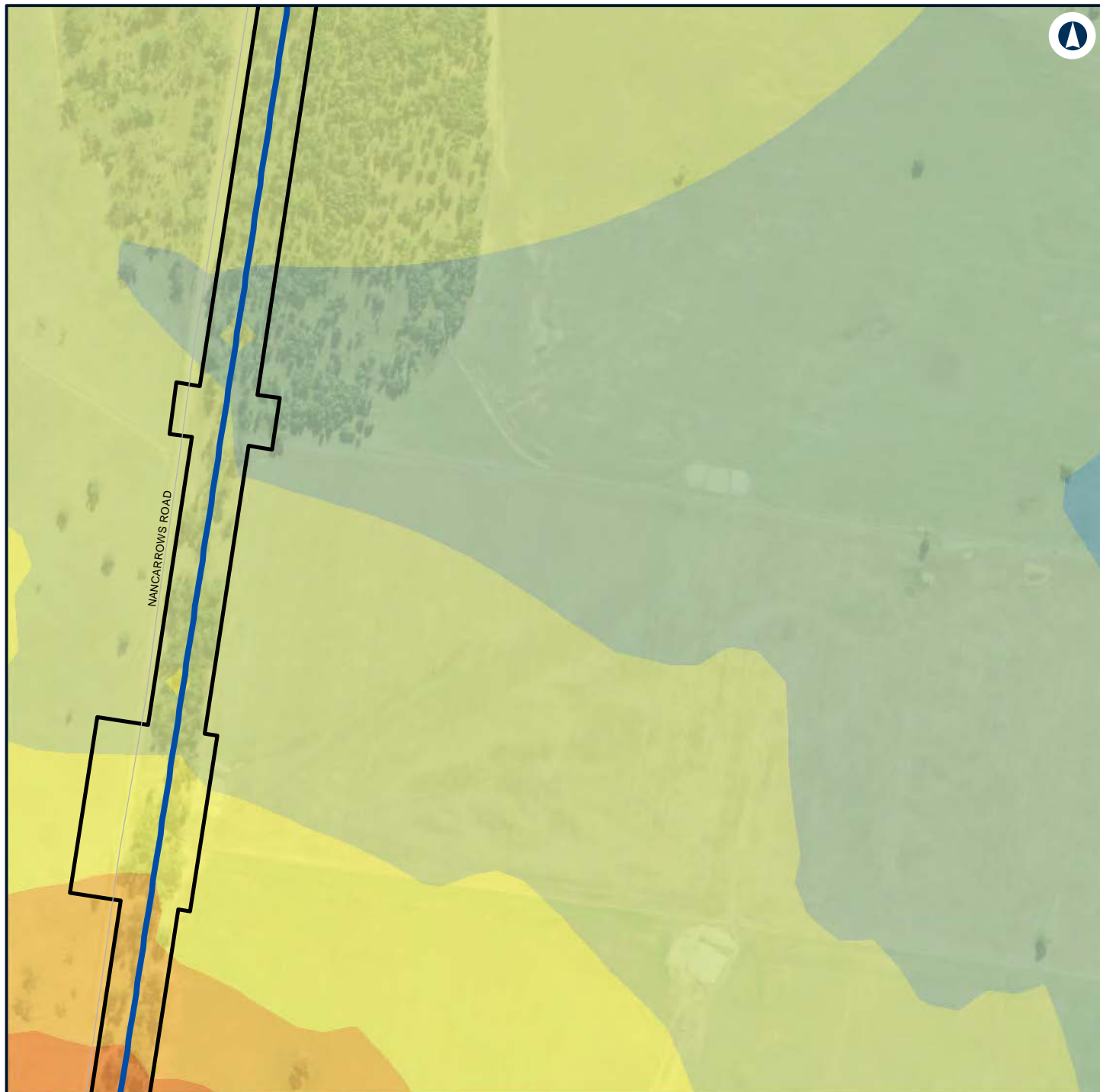
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60
- 60 - 65

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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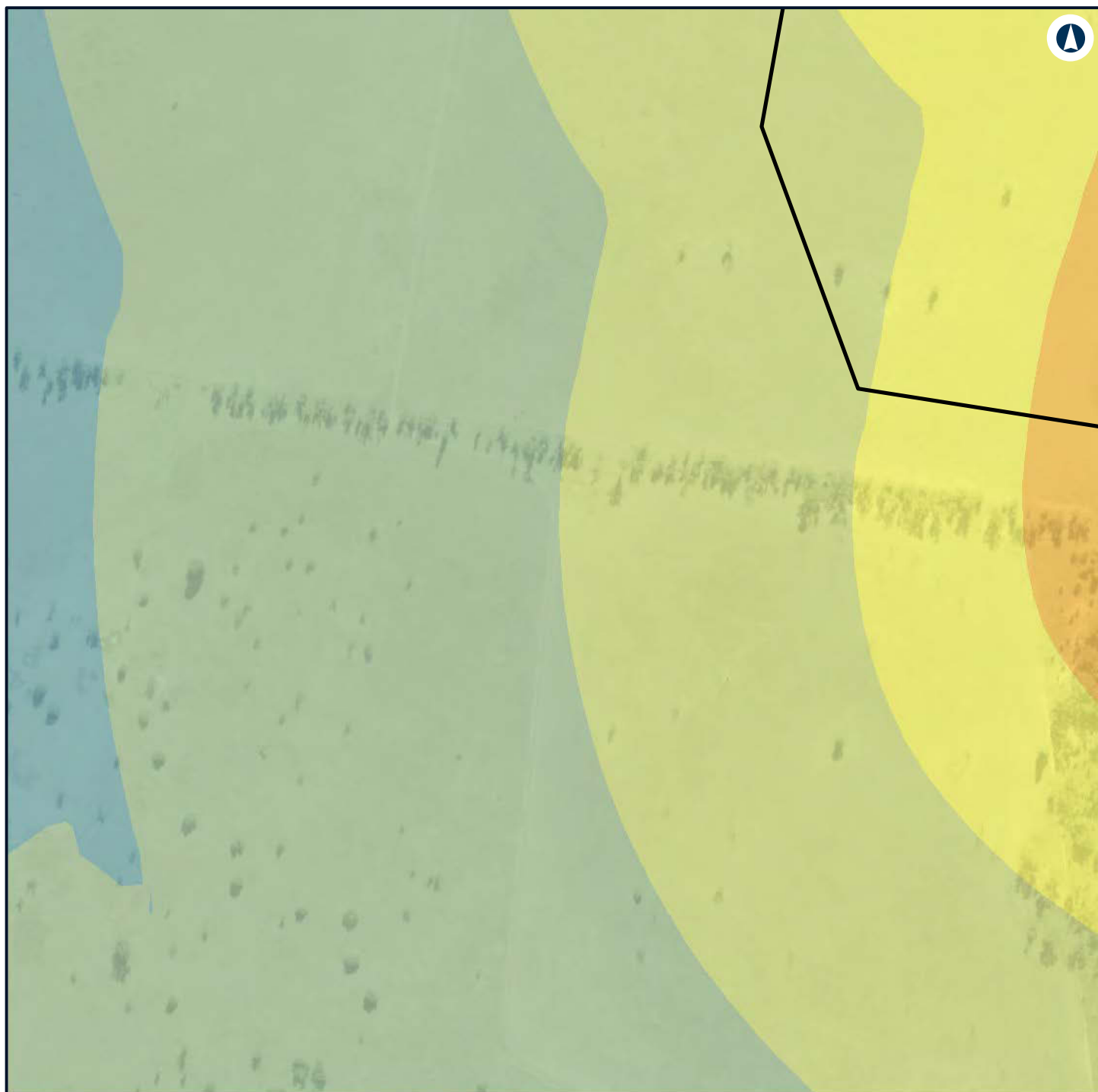
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LEGEND

 Construction footprint

 55 - 60


Noise level (dBA L)

Aeq 15 minute

 35 - 40

 40 - 45

 45 - 50

 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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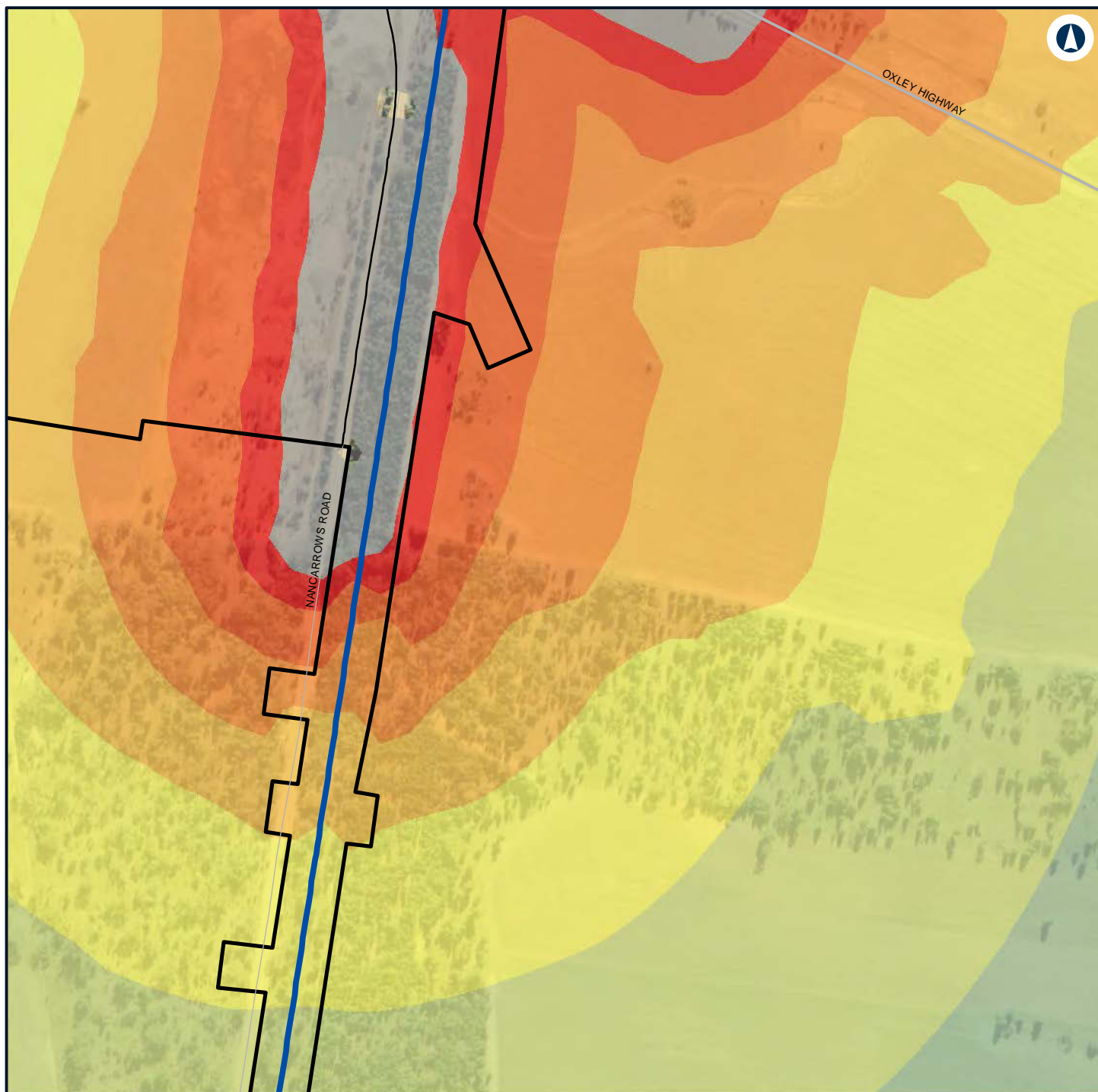
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LEGEND

	Alignment		50 - 55
	Road design string		55 - 60
	Construction footprint		60 - 65
			65 - 70
			70 - 75
			> 75
	Noise level (dBA L Aeq 15 minute)		
			40 - 45
			45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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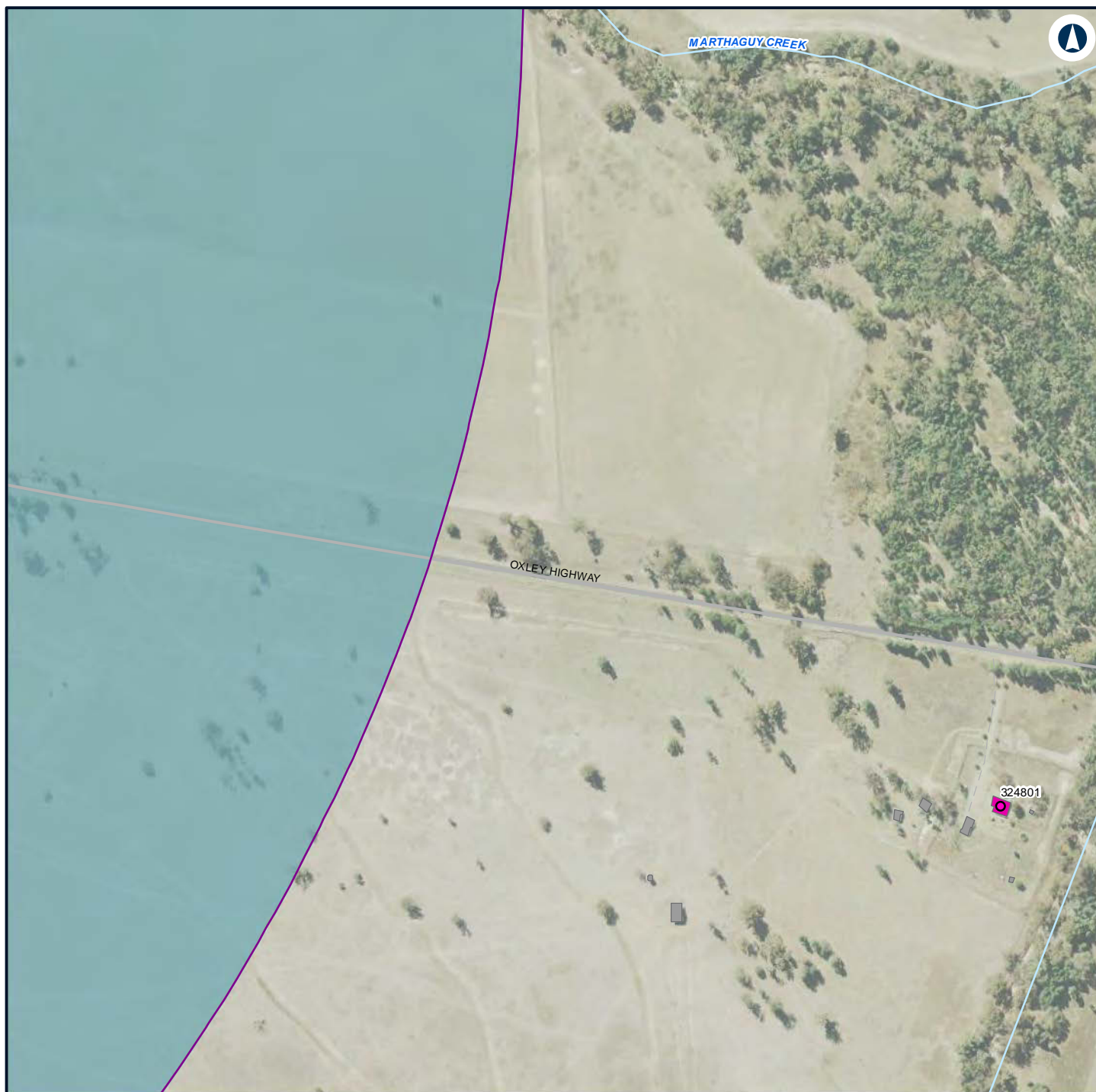
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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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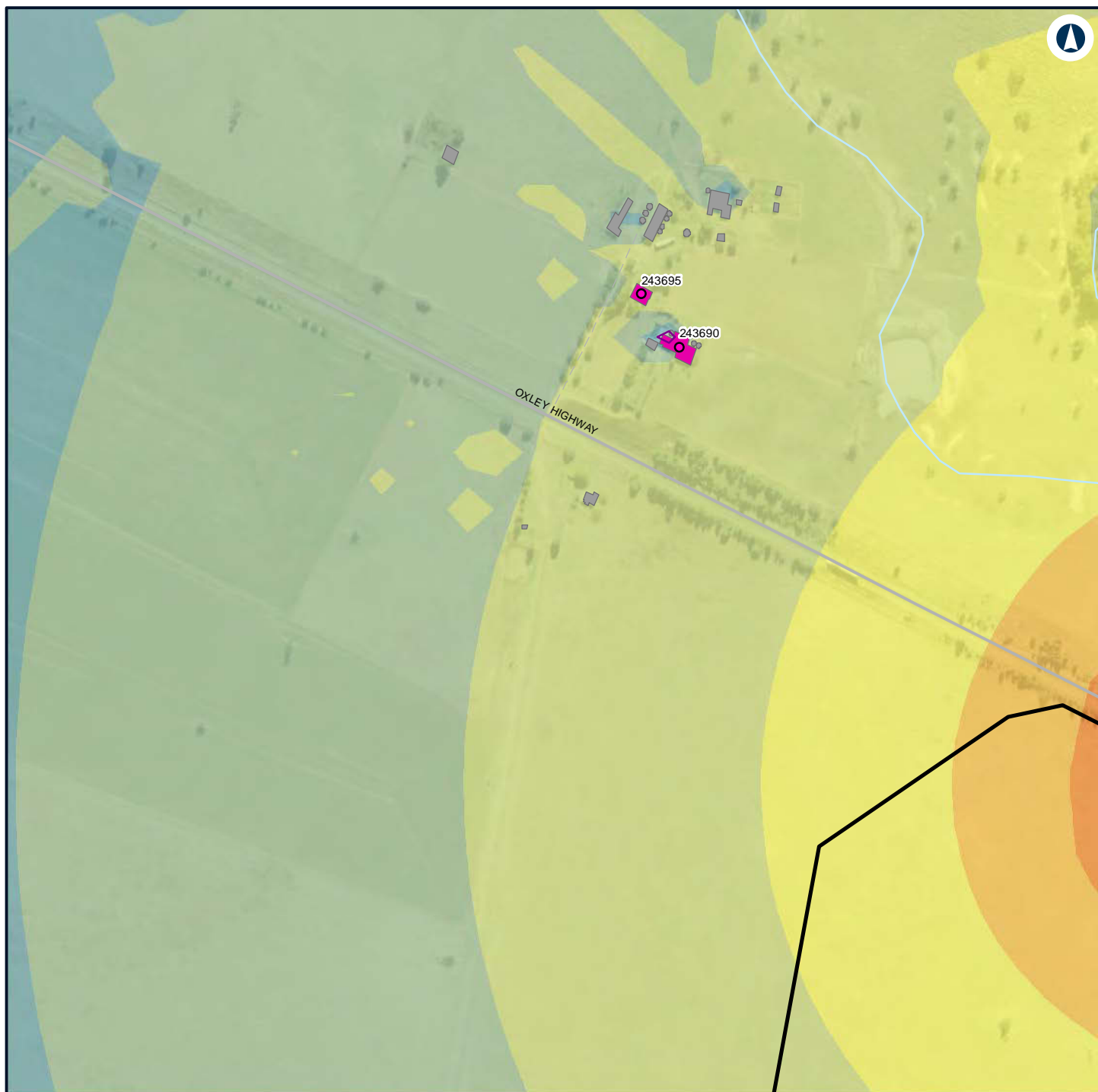
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LEGEND

Construction footprint

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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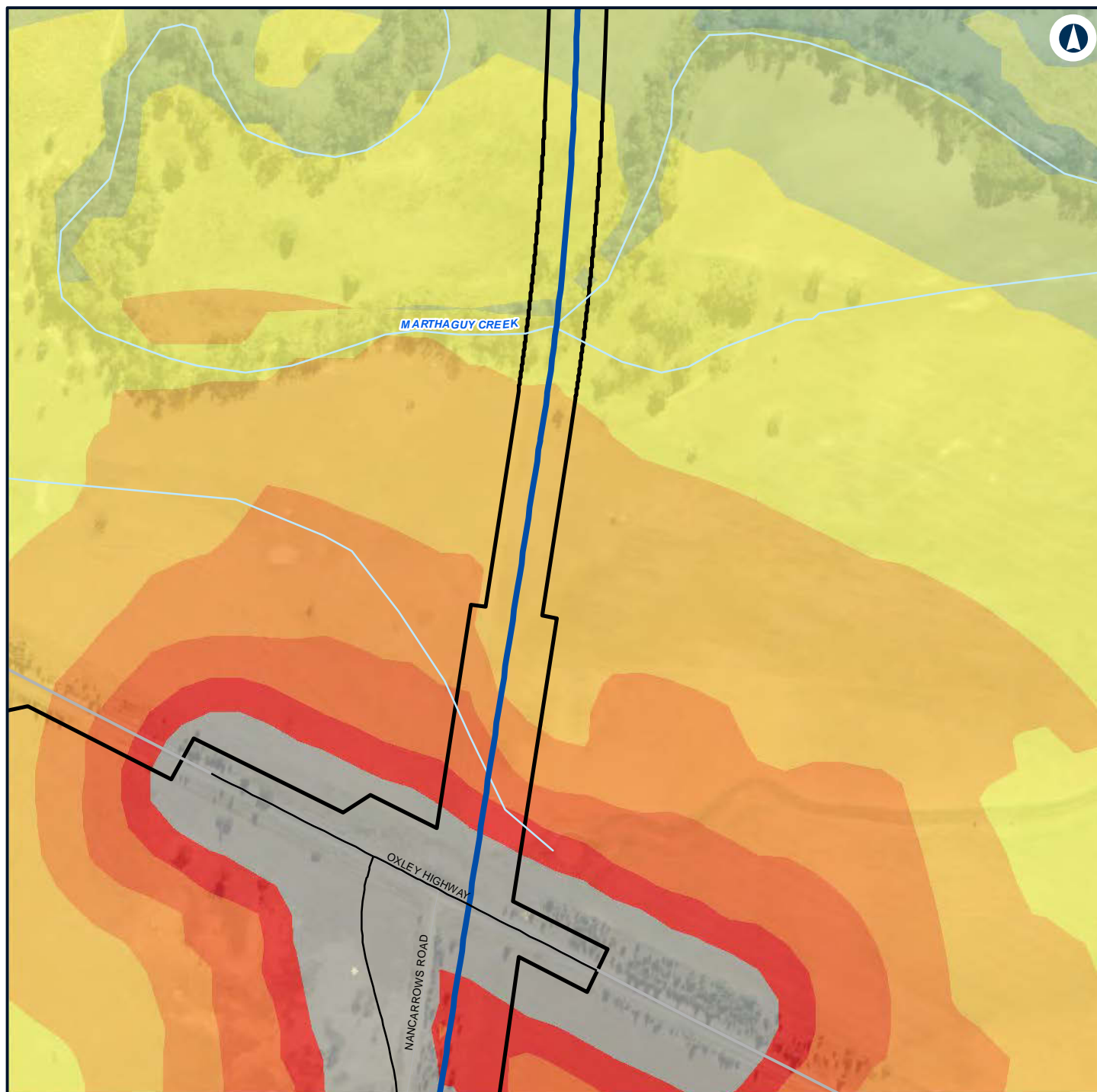
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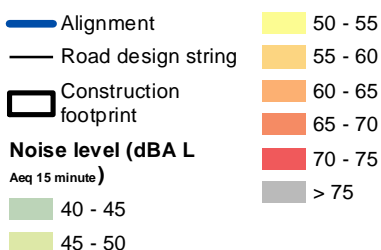
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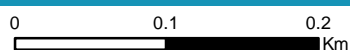
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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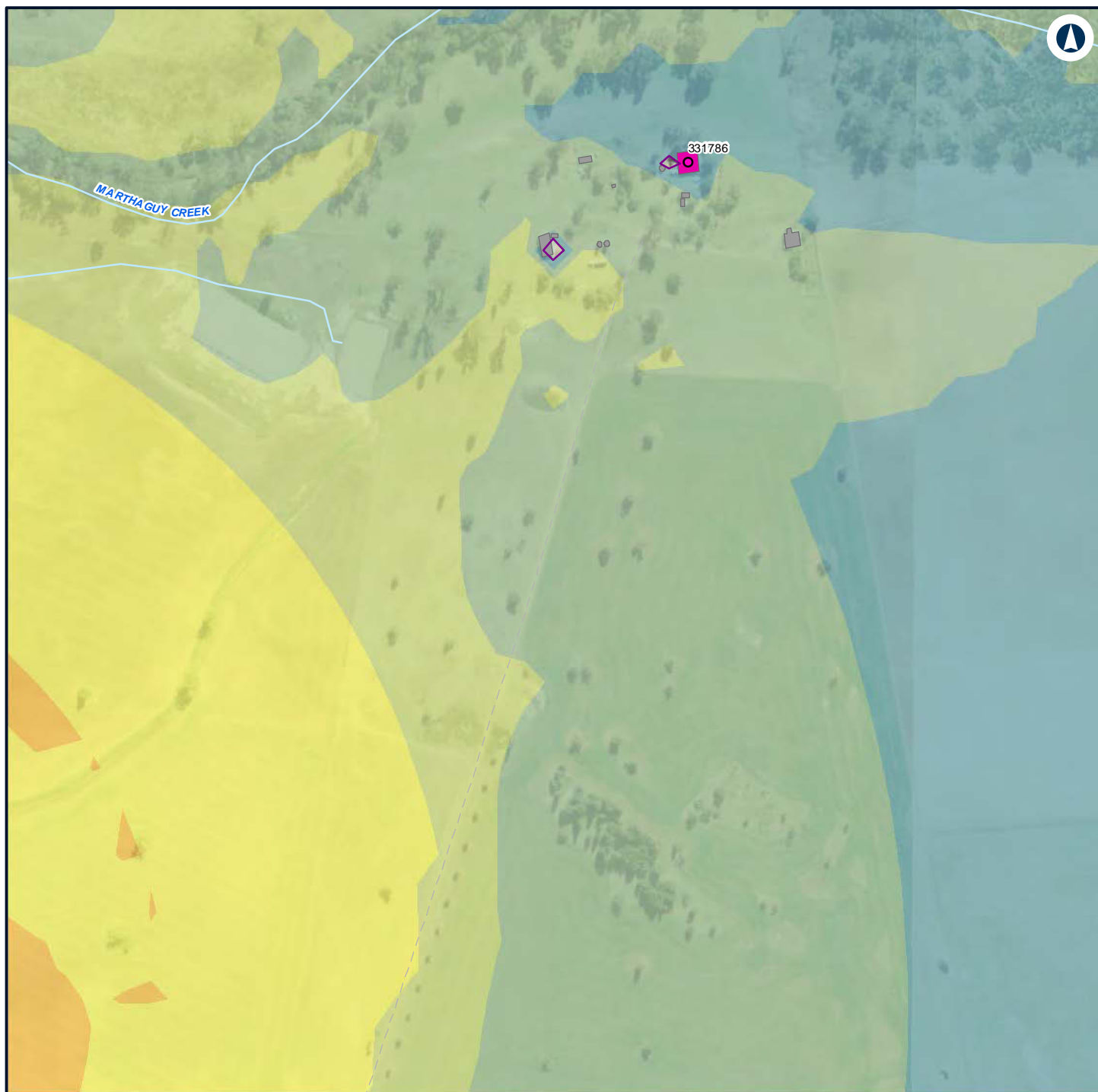
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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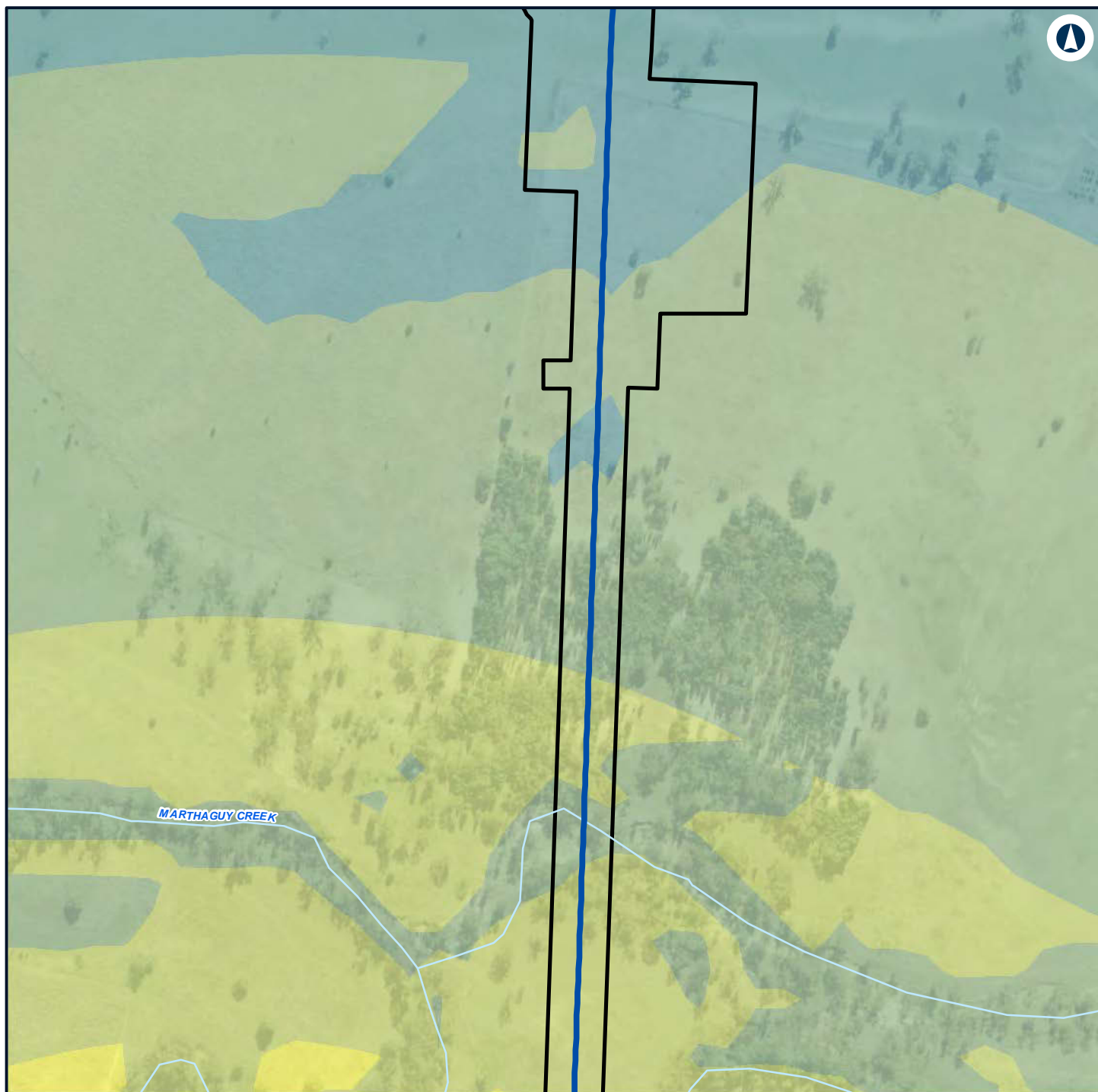
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L
Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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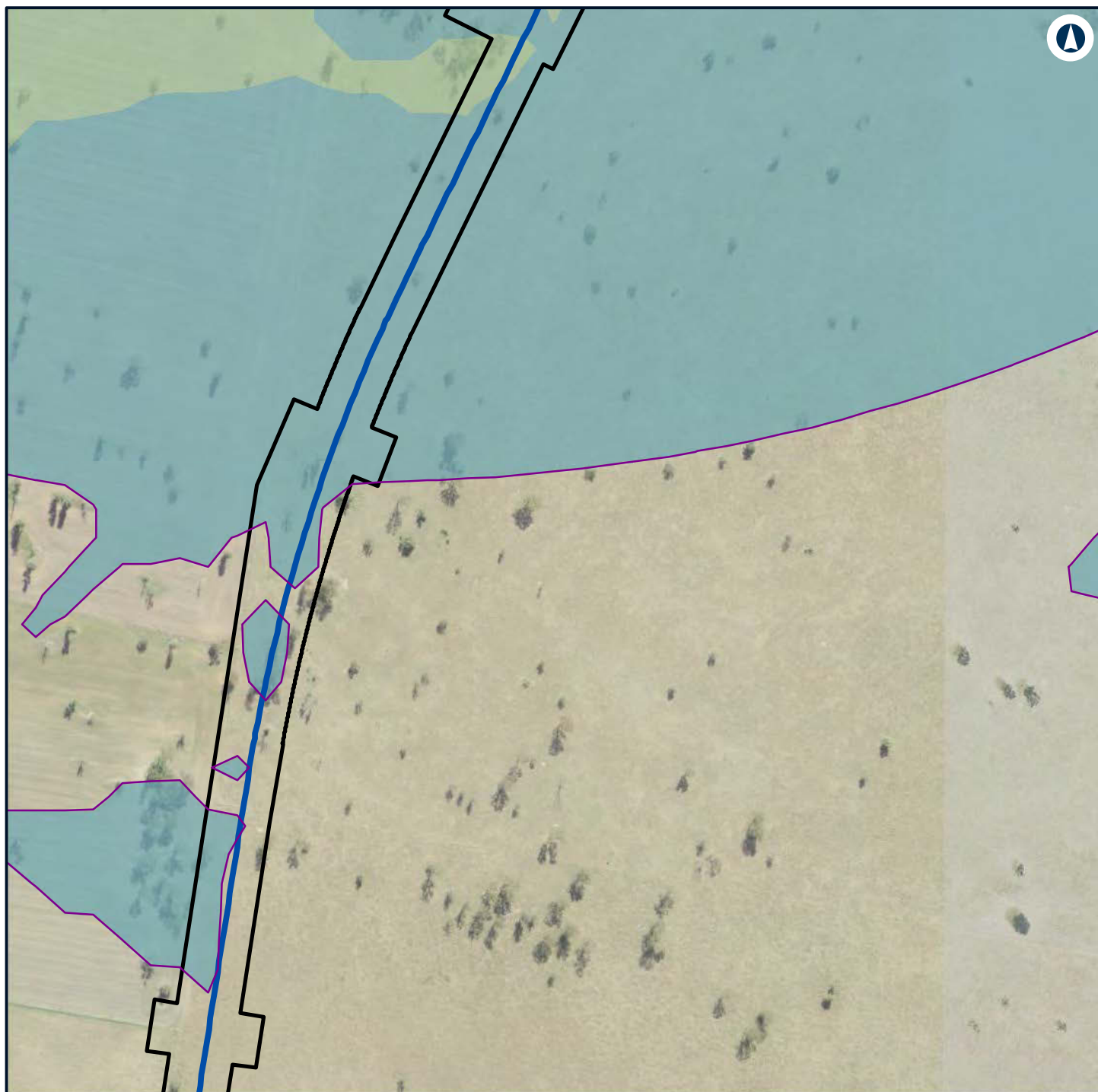
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

— 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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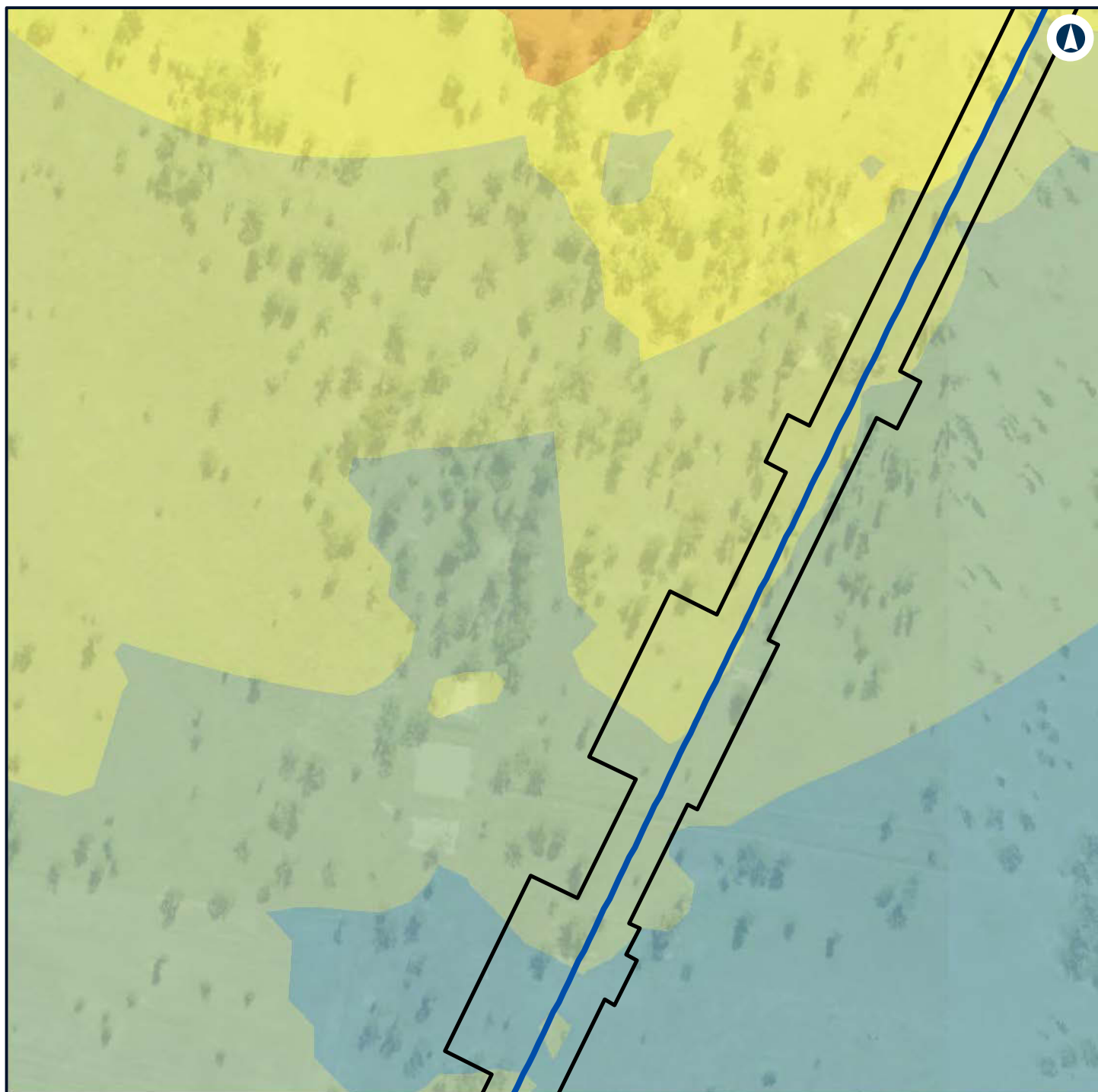
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

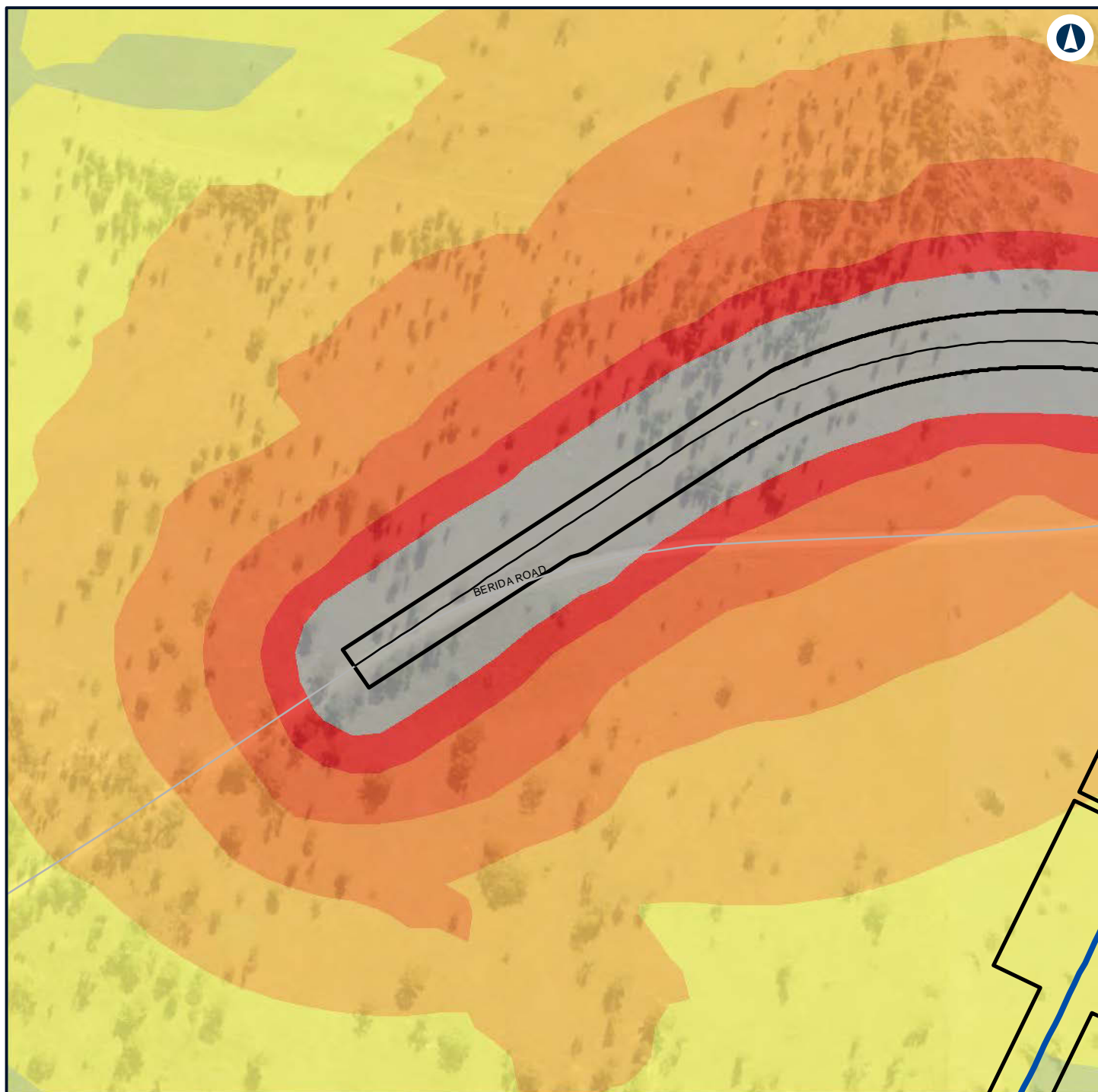
Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 191 of 554

0 0.1 0.2
Km

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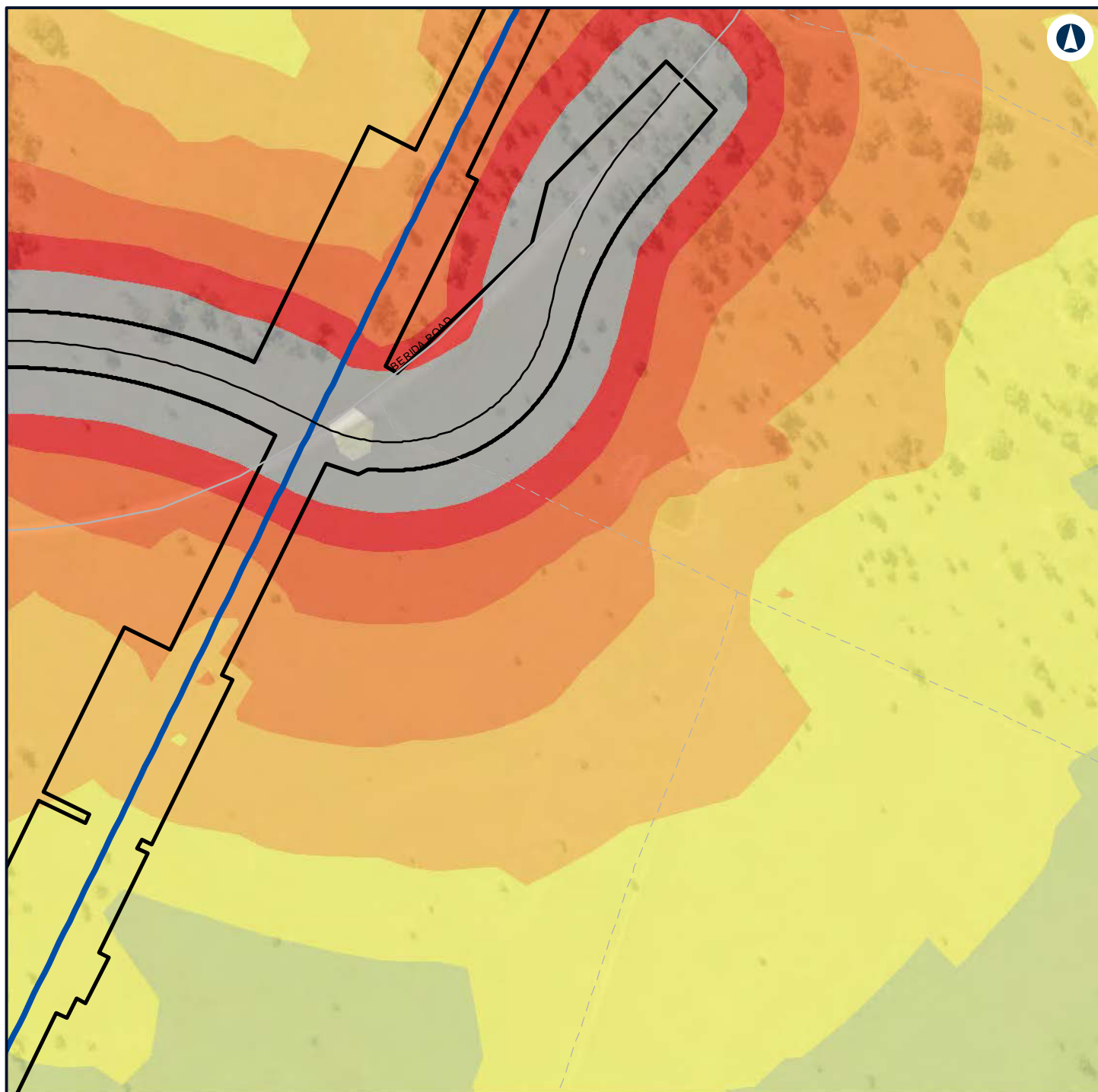
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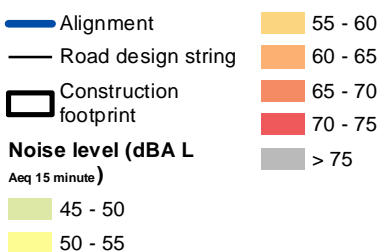
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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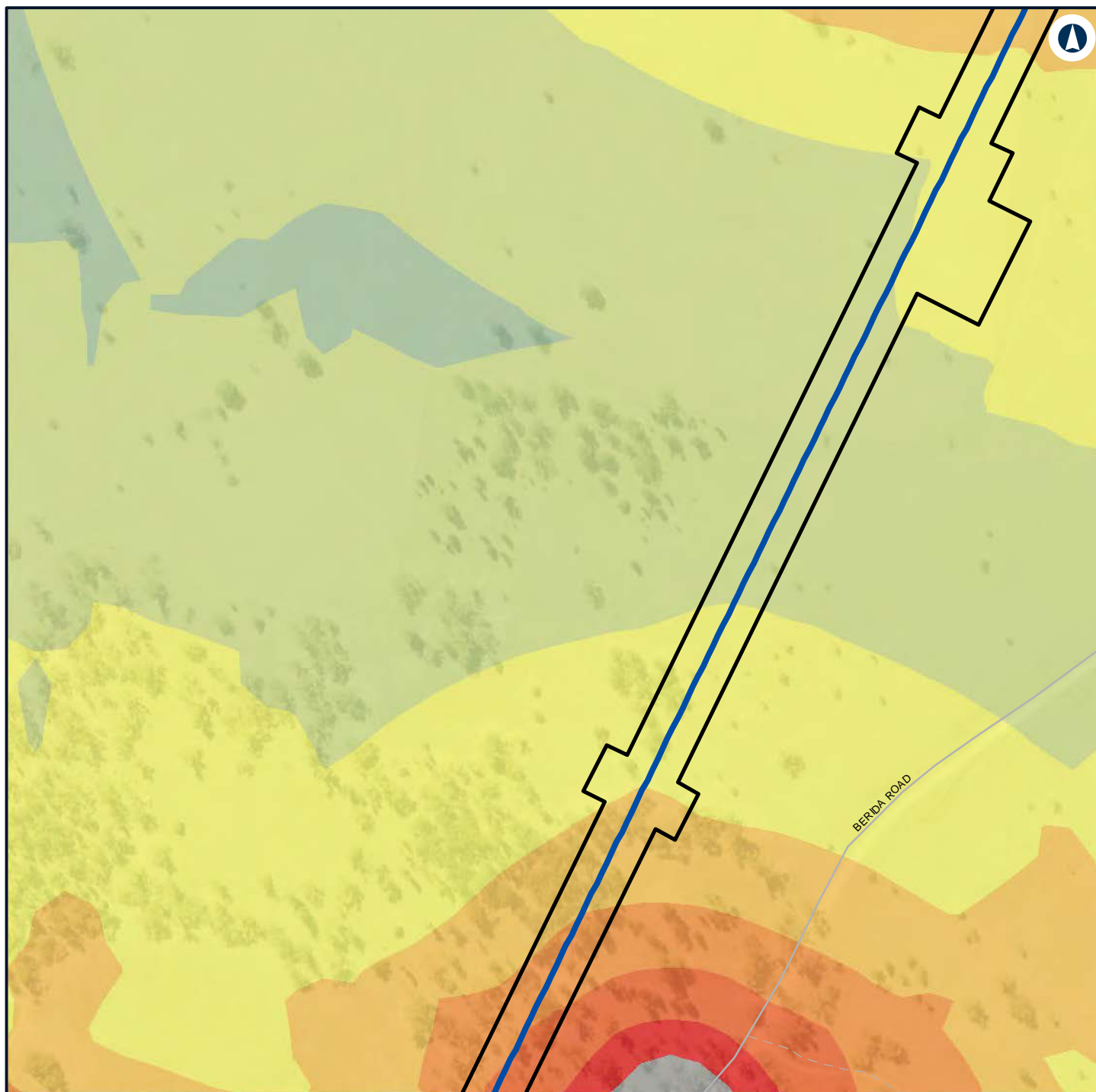
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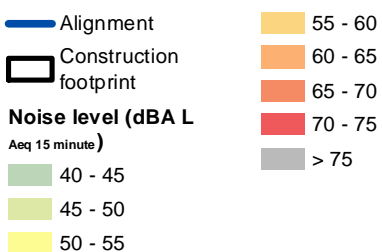
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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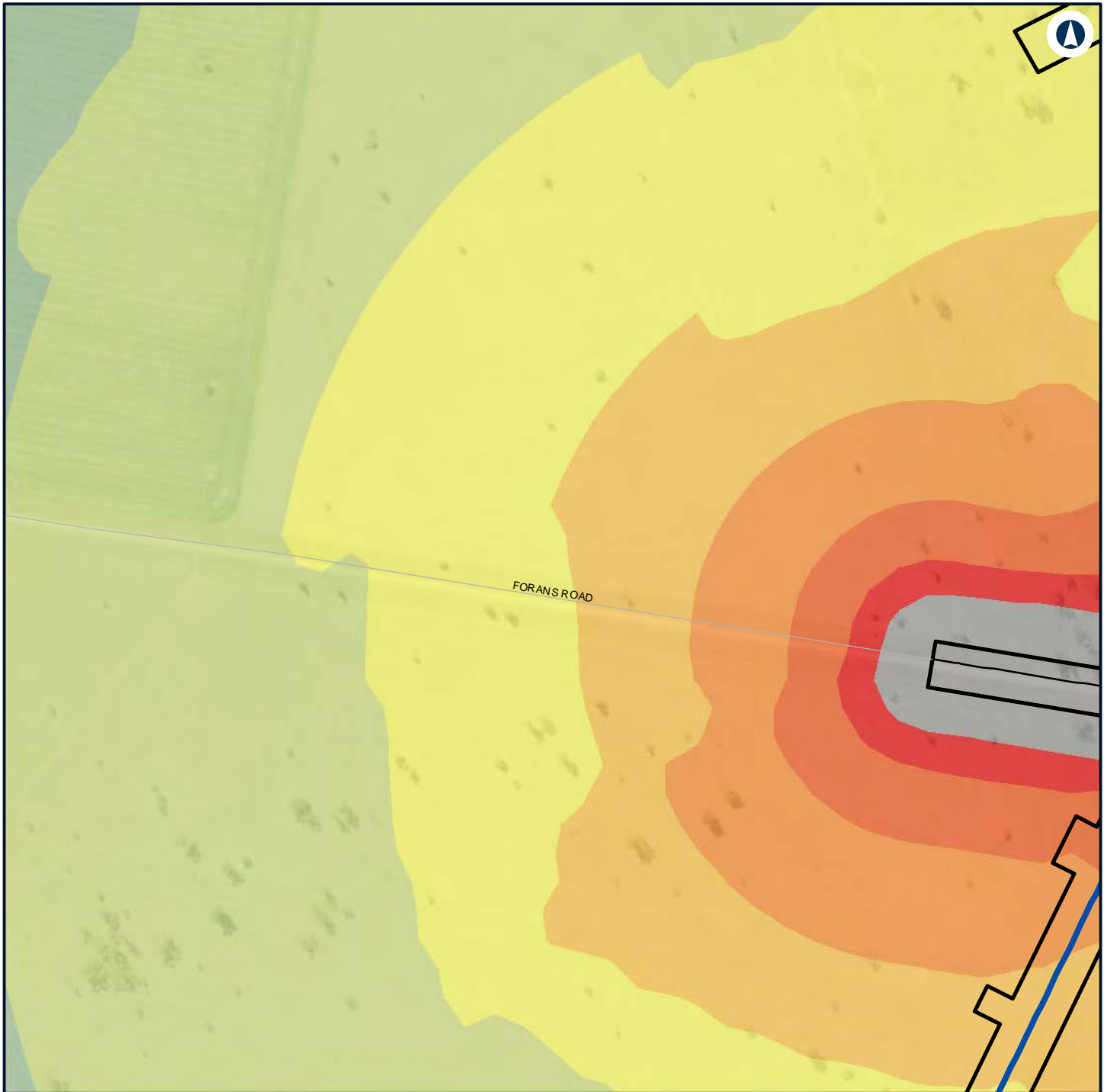
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

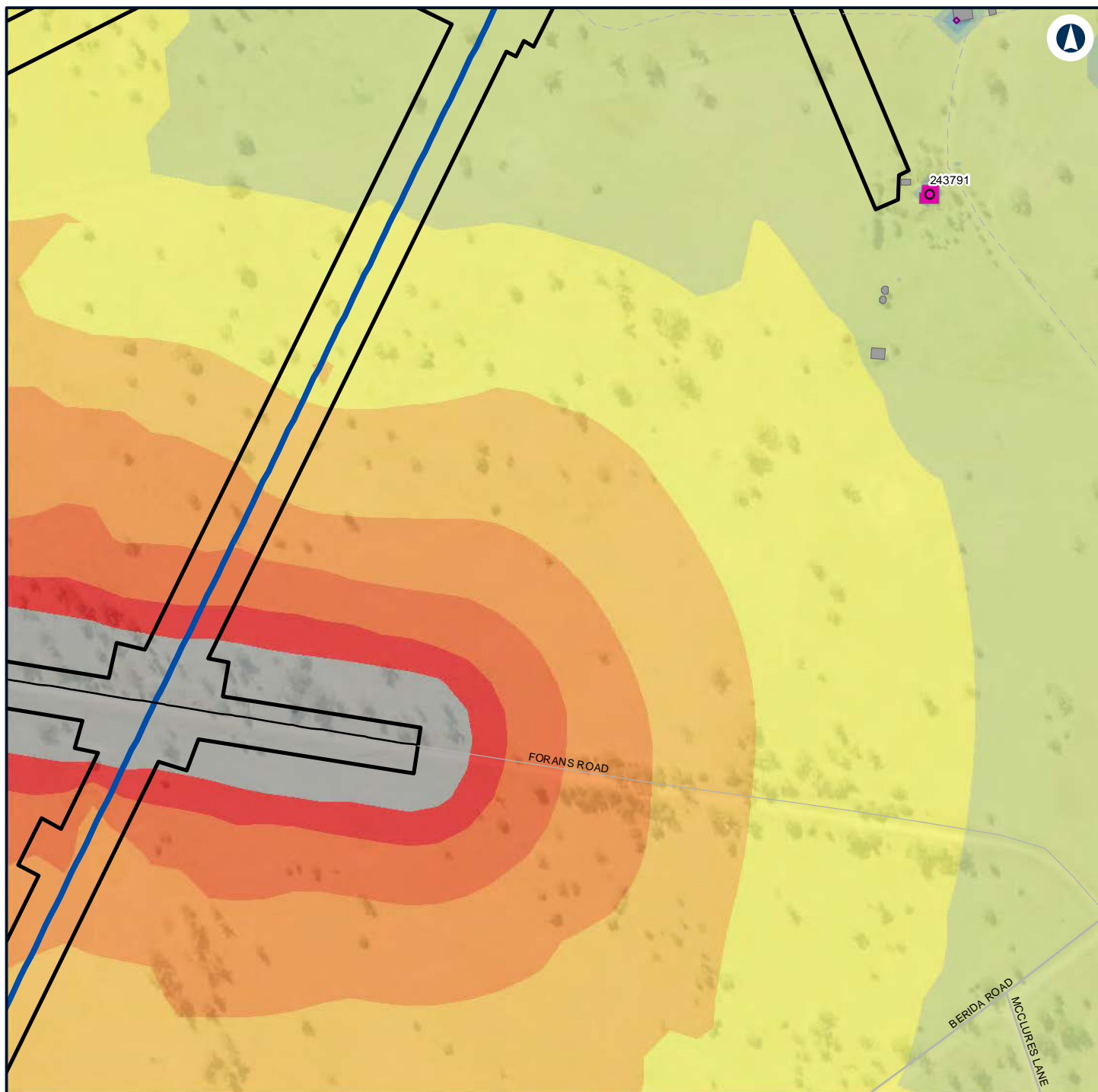
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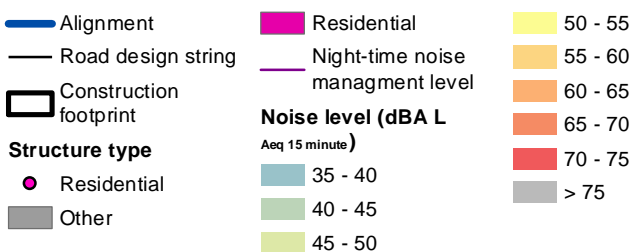
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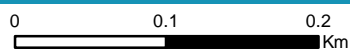
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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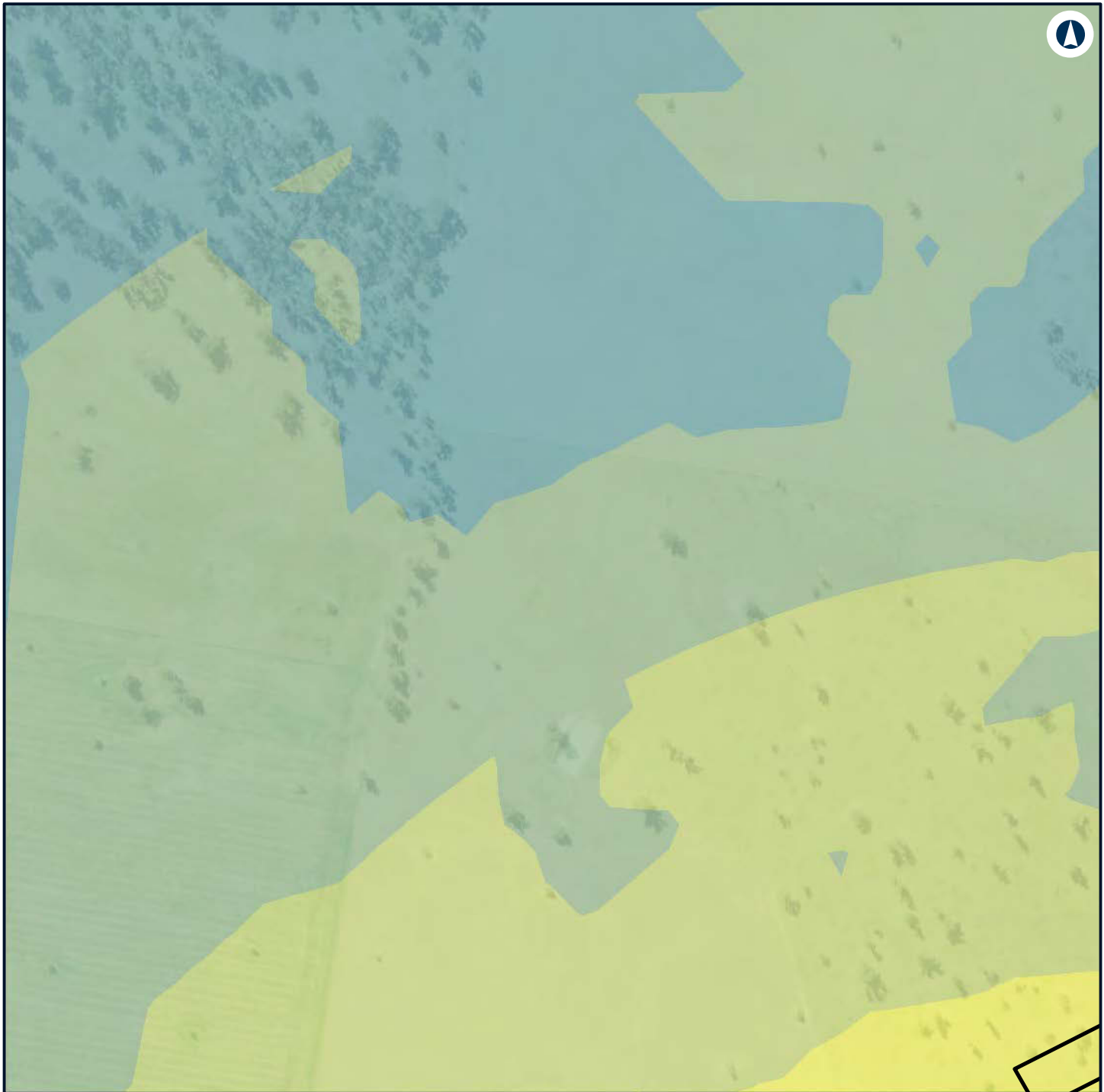
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


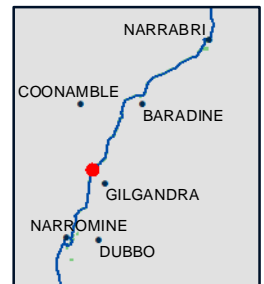
LEGEND

 Construction footprint

Noise level (dBA L

Aeq 15 minute)

-  35 - 40
-  40 - 45
-  45 - 50
-  50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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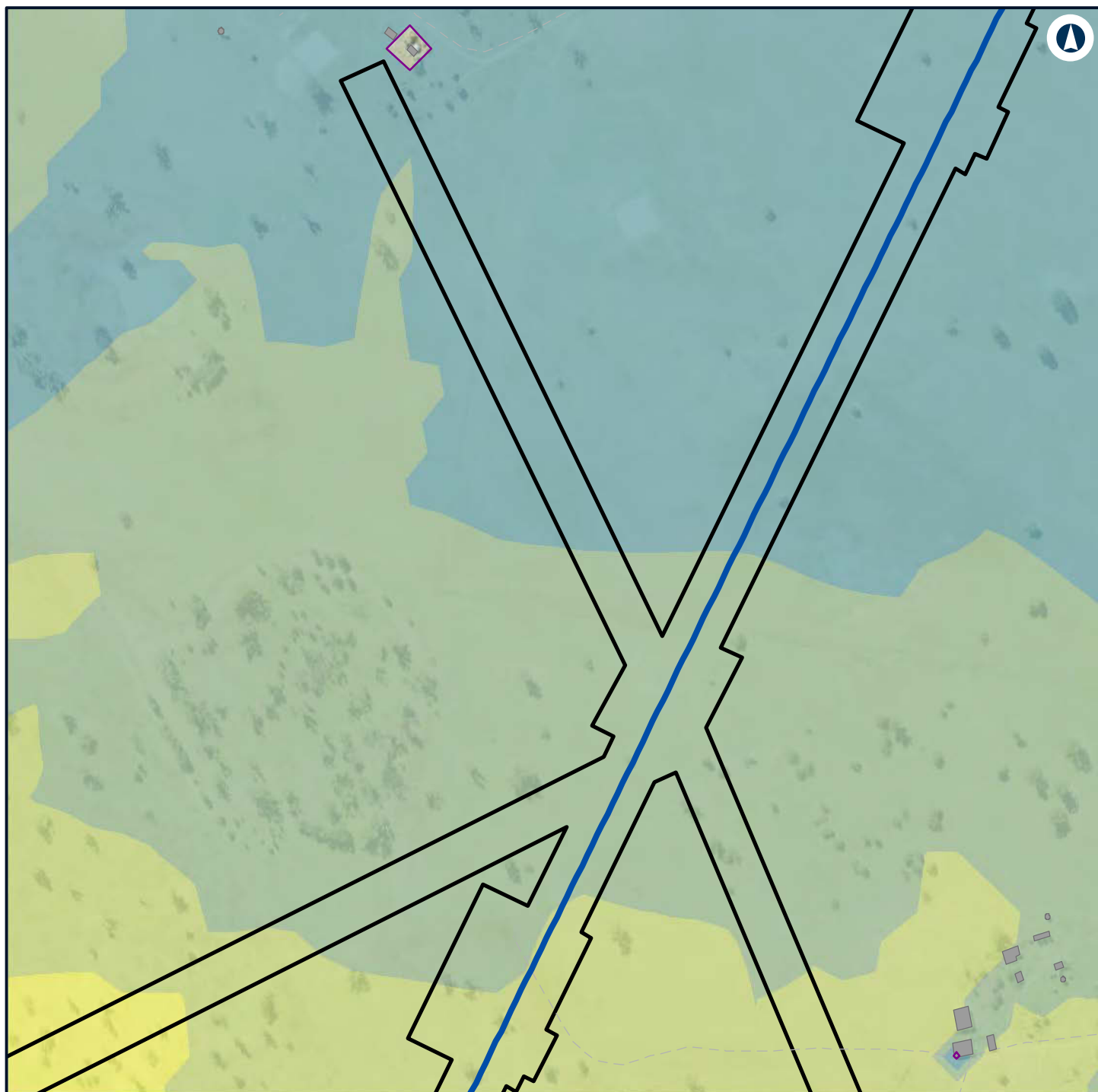
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LEGEND

- Alignment
 - Construction footprint
 - Other
 - Night-time noise management level
- | Noise level (dBA L
Aeq 15 minute) | |
|--------------------------------------|---------|
| | 35 - 40 |
| | 40 - 45 |
| | 45 - 50 |
| | 50 - 55 |



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 199 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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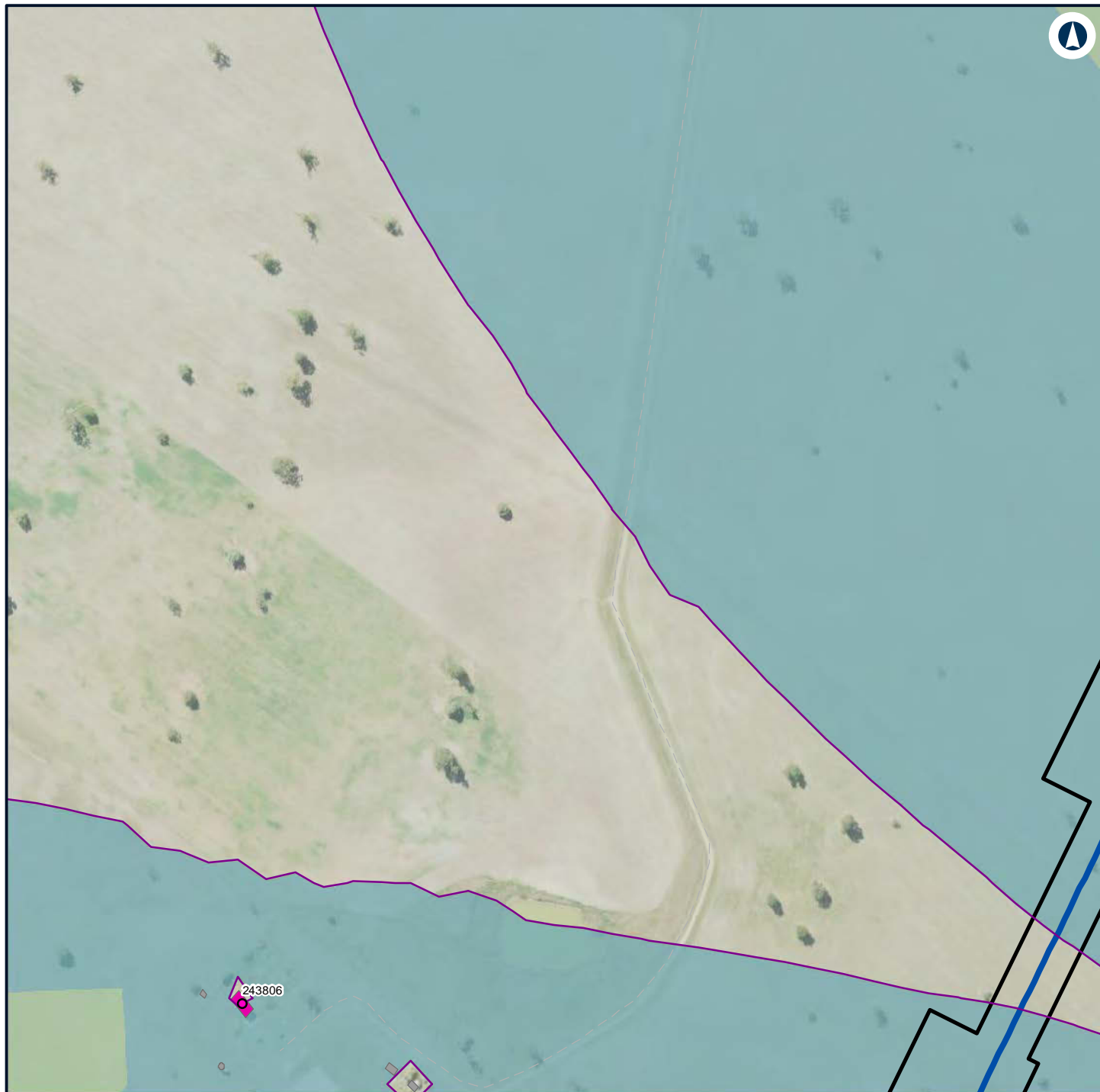
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LEGEND

Alignment

Construction footprint

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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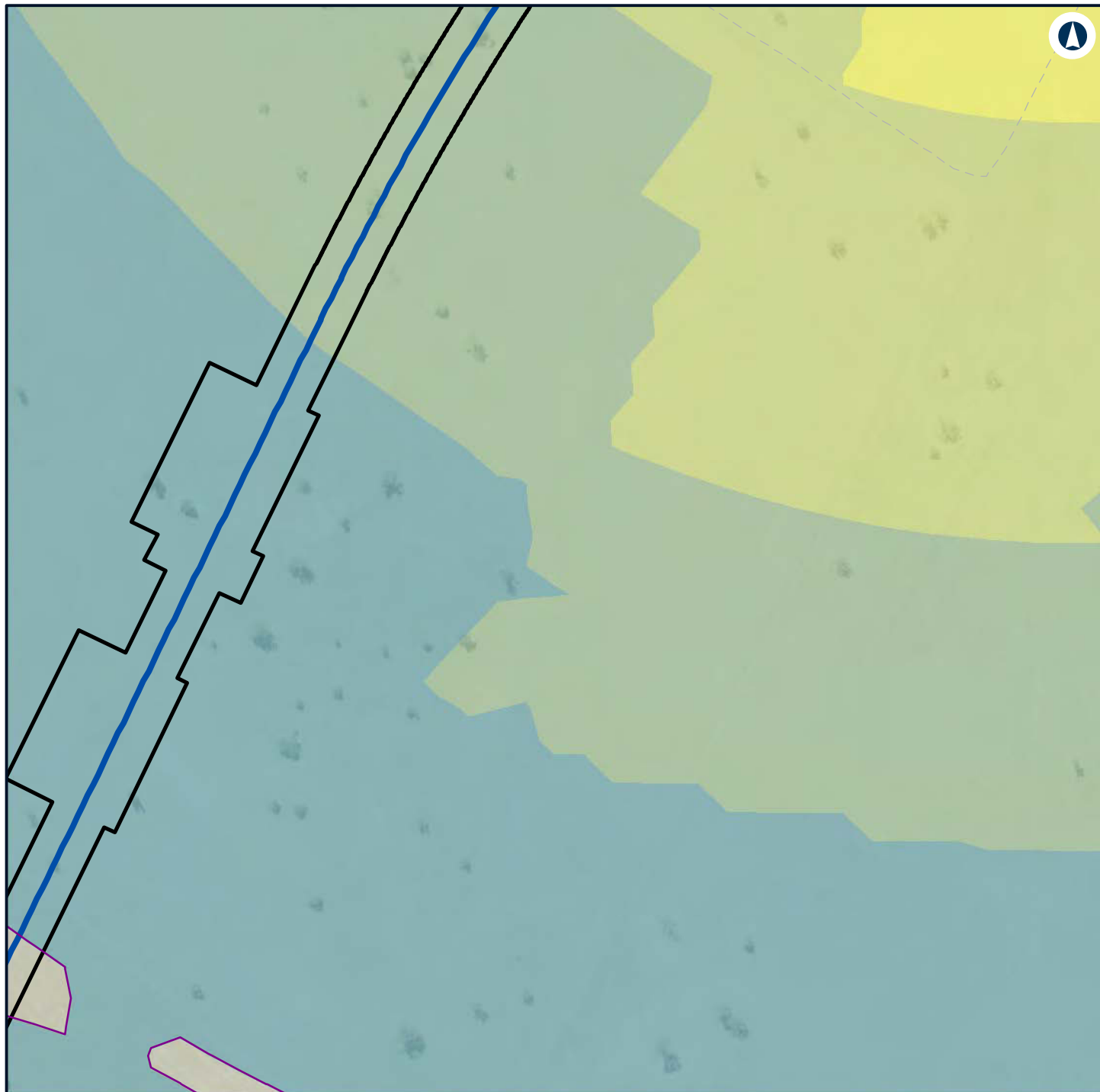
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50
- 50 - 55

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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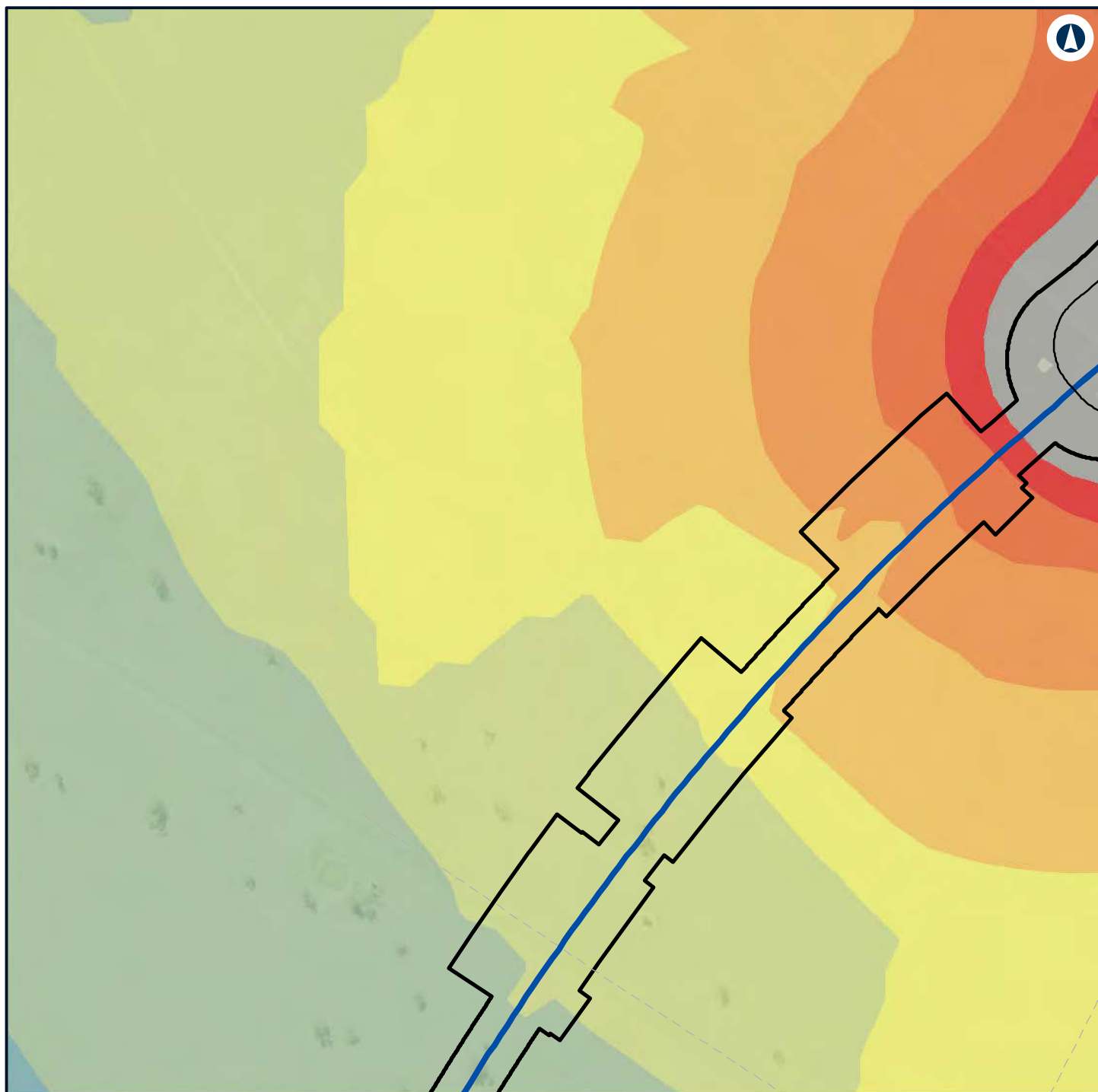
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LEGEND

Alignment	45 - 50
Road design string	50 - 55
Construction footprint	55 - 60
Noise level (dBA L	60 - 65
Aeq 15 minute)	65 - 70
35 - 40	70 - 75
40 - 45	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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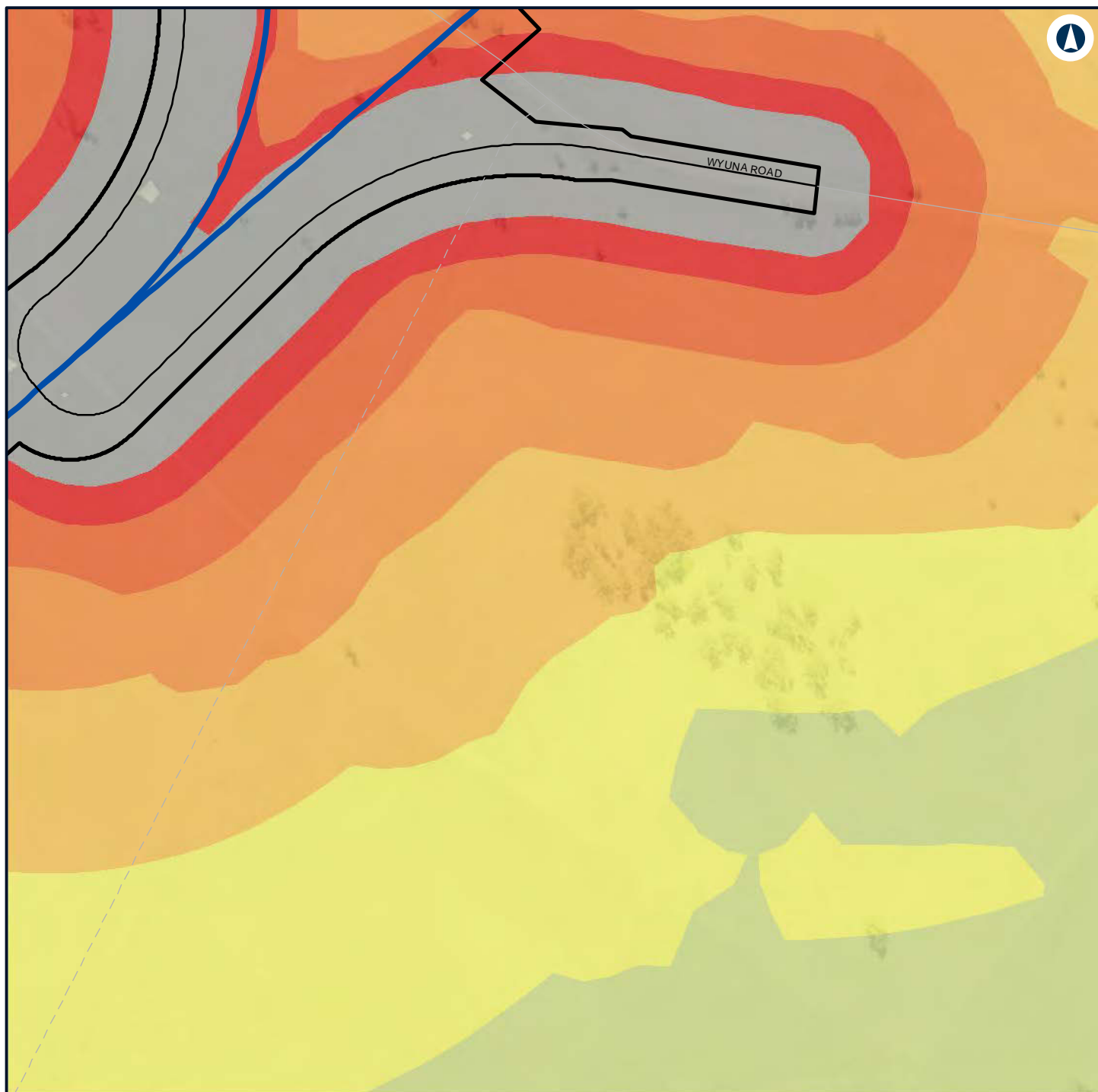
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Road design string
- Construction footprint
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75

Noise level (dBA L Aeq 15 minute)

- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

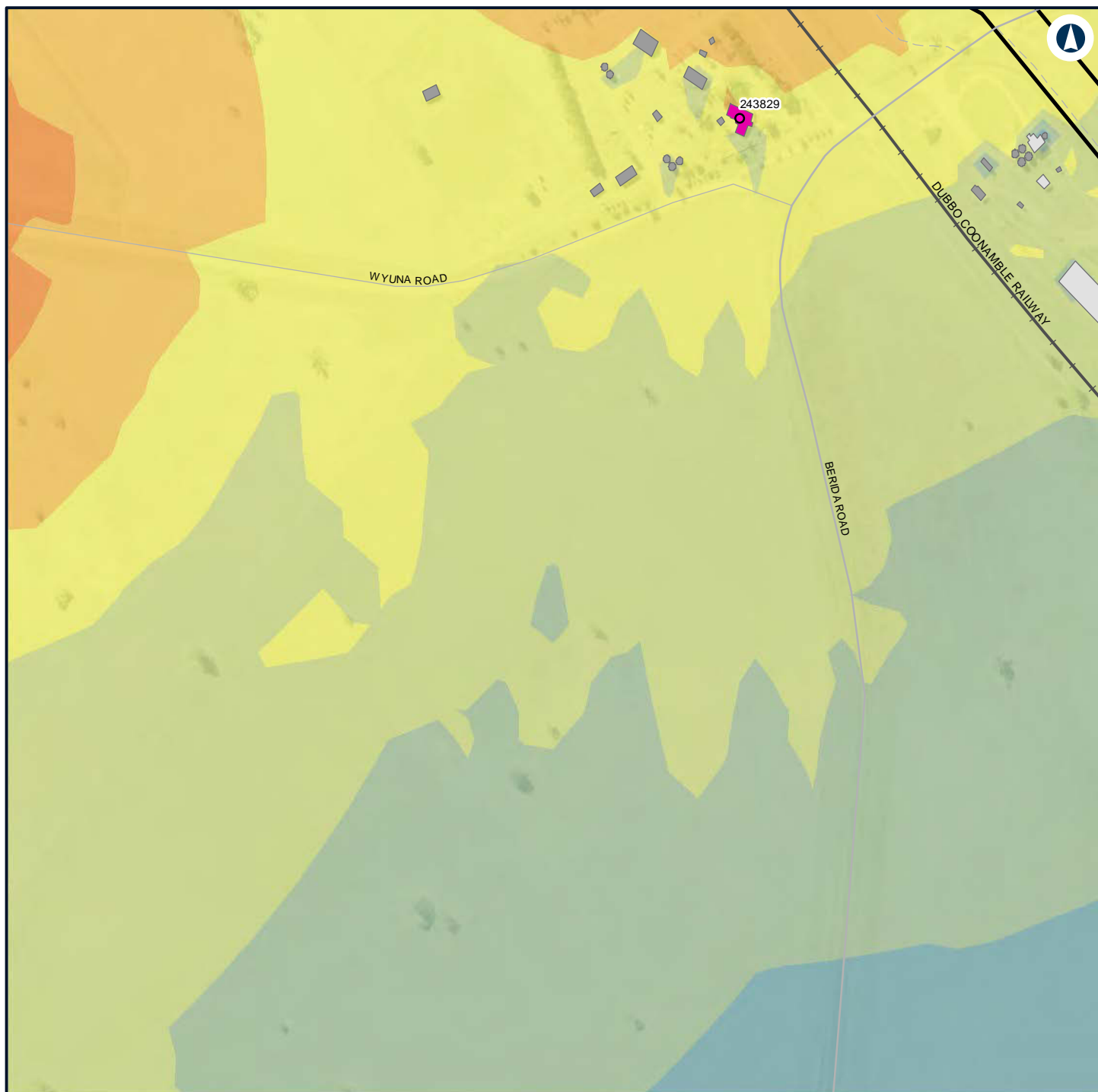
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LEGEND

Construction footprint

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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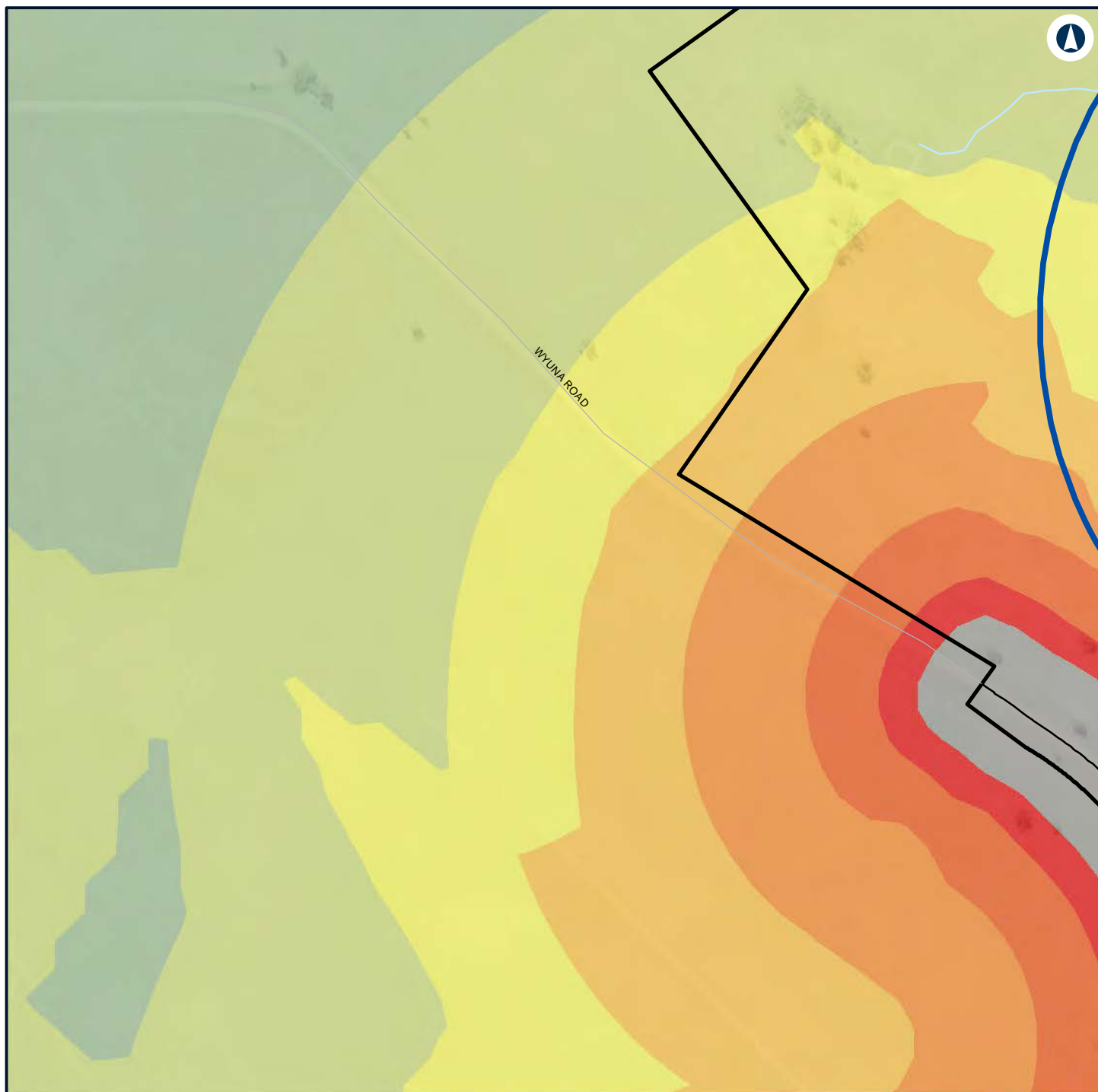
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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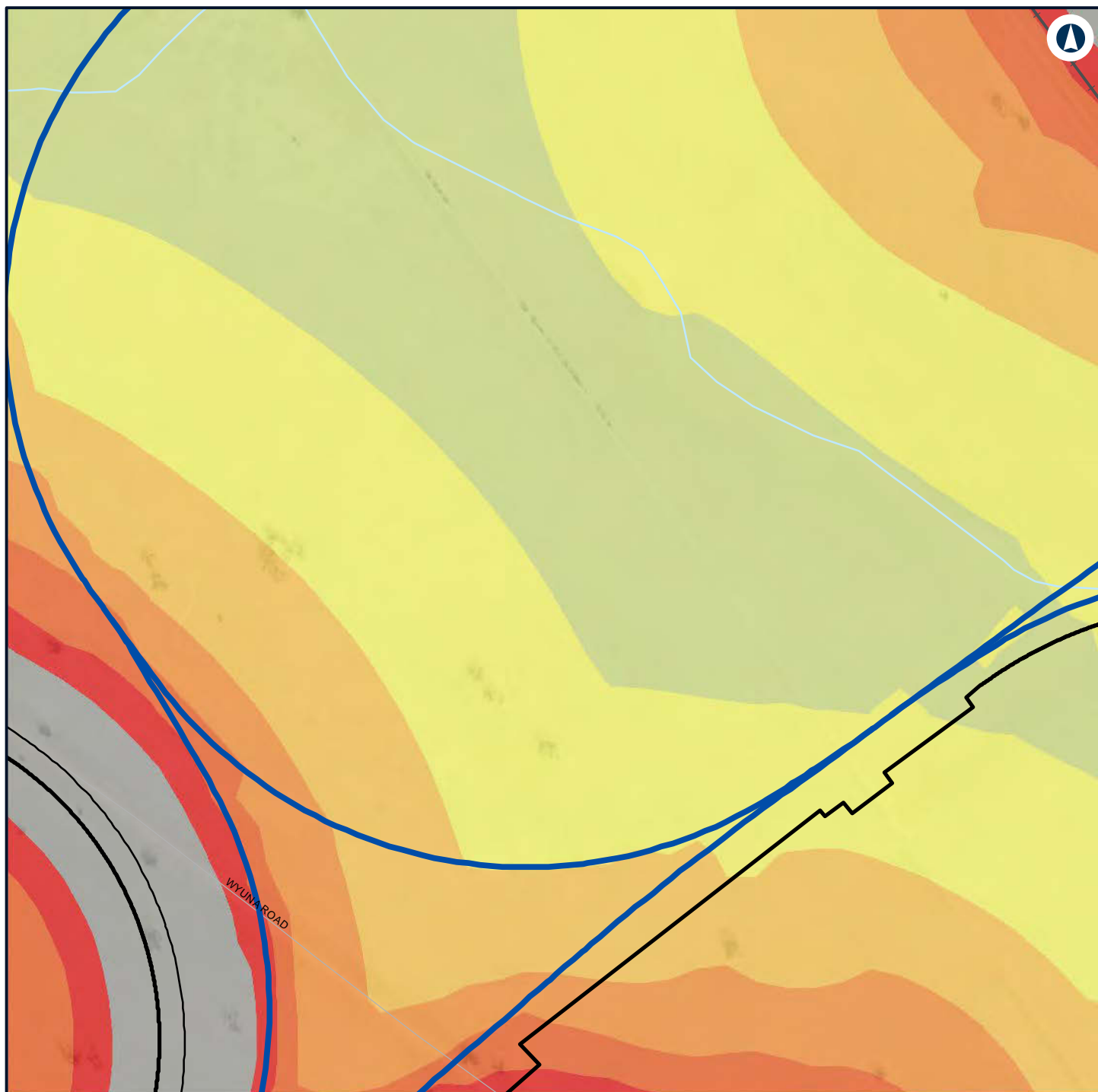
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LEGEND

- Alignment
 - Road design string
 - Construction footprint
- | | |
|---|--|
| Noise level (dBA L)
Aeq 15 minute | 55 - 60
60 - 65
65 - 70
70 - 75
> 75 |
|---|--|

- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

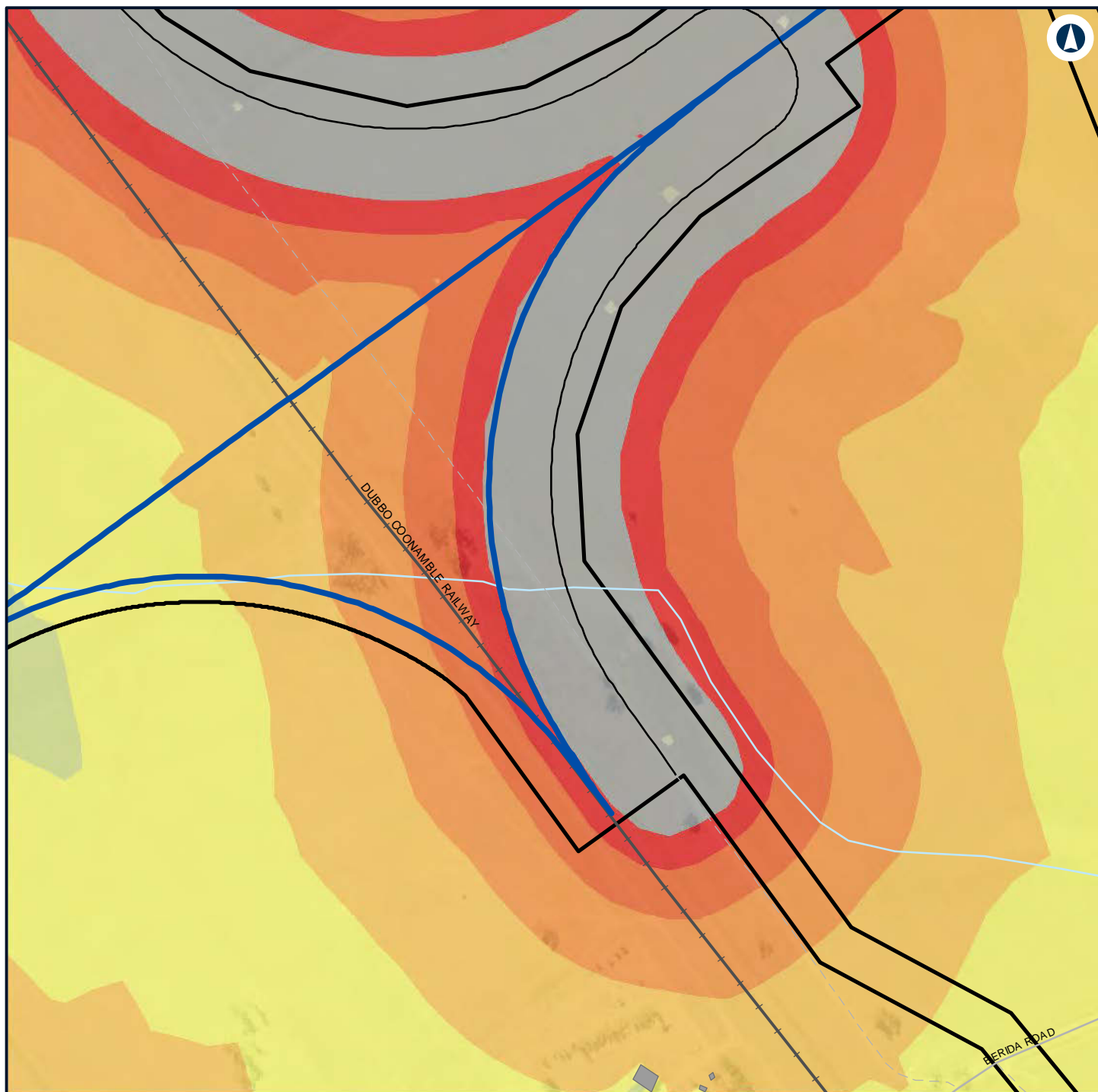
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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
Other	65 - 70
Noise level (dBA L	70 - 75
Aeq 15 minute)	> 75
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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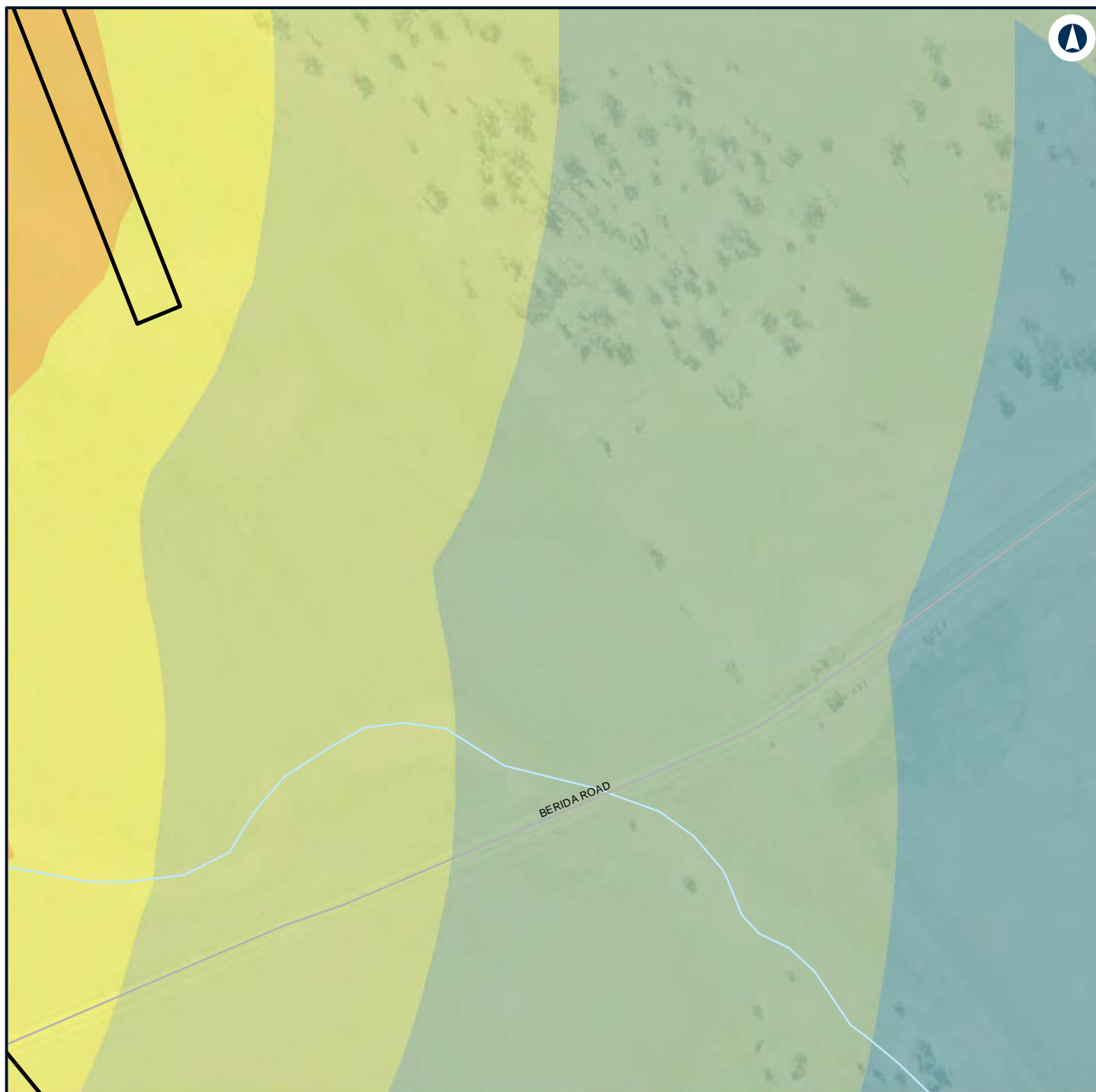
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LEGEND

Construction footprint

55 - 60

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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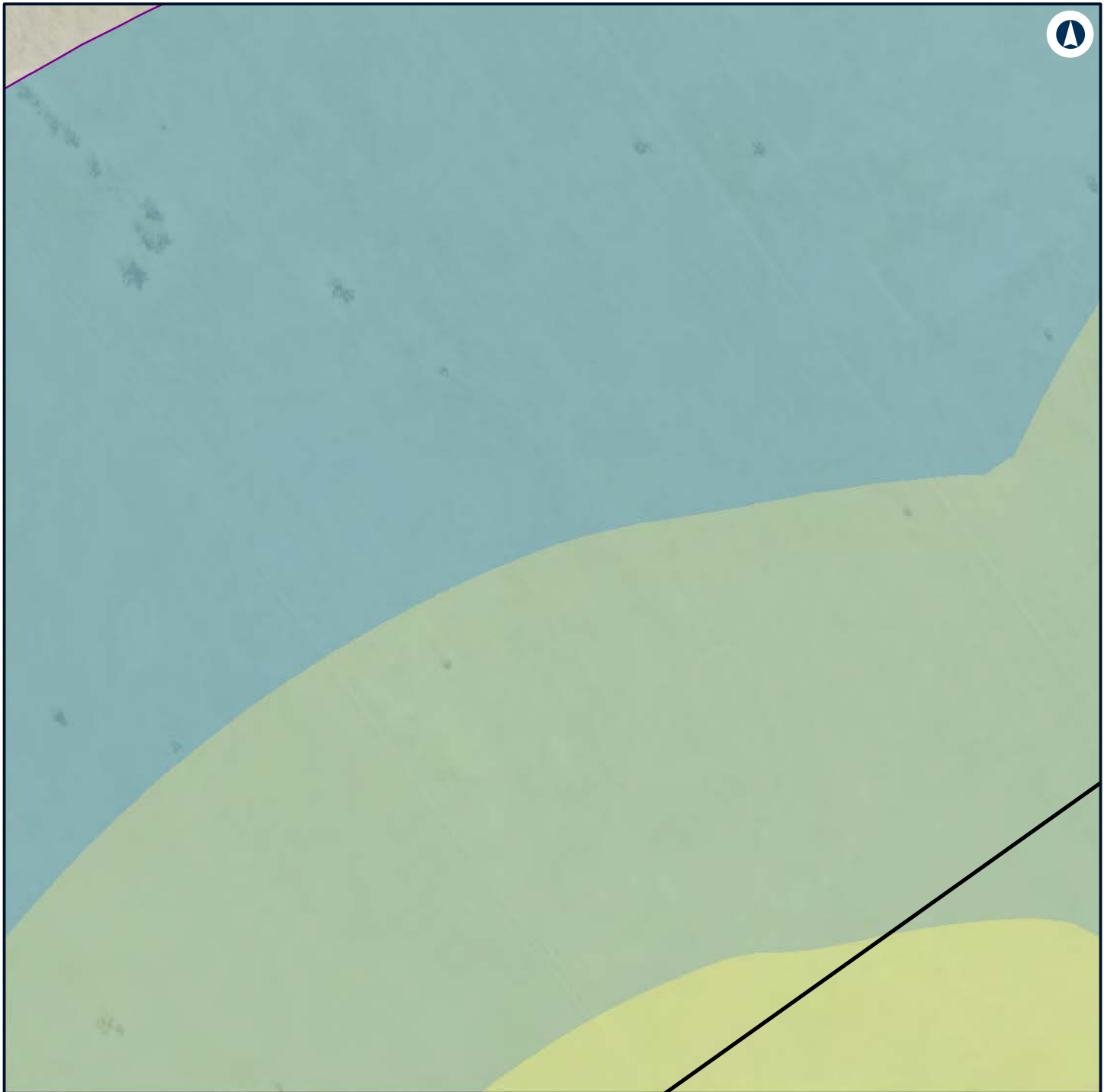
Author: GHD

Scale: 1:5,000



Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

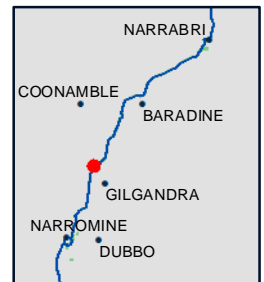
-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

-  35 - 40
-  40 - 45

 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

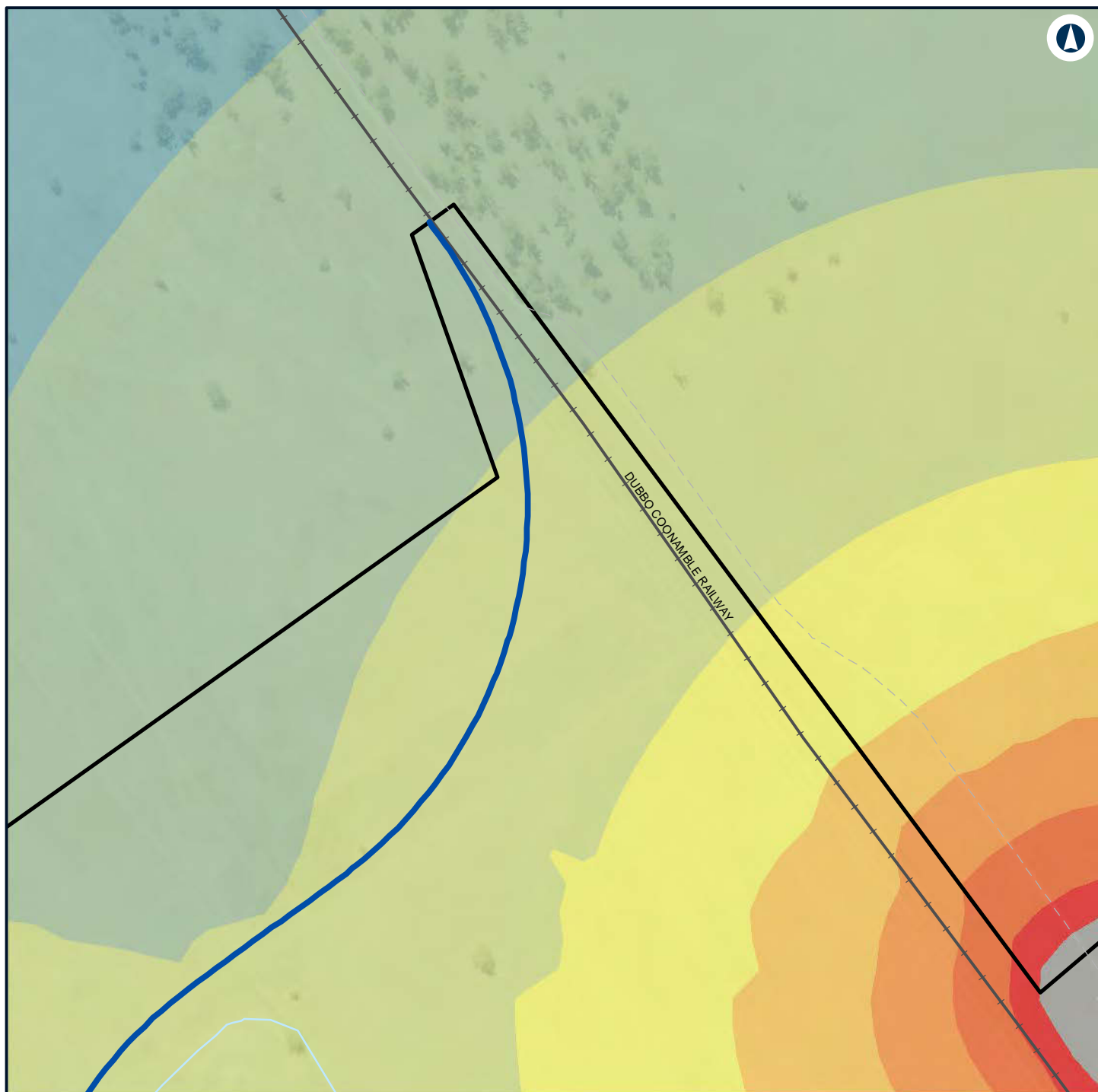
Coordinate System: GDA 1994 MGA Zone 55

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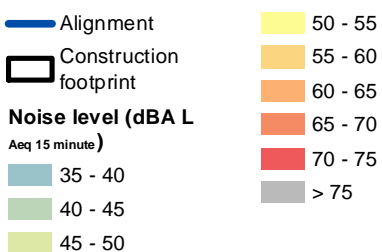
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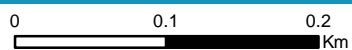
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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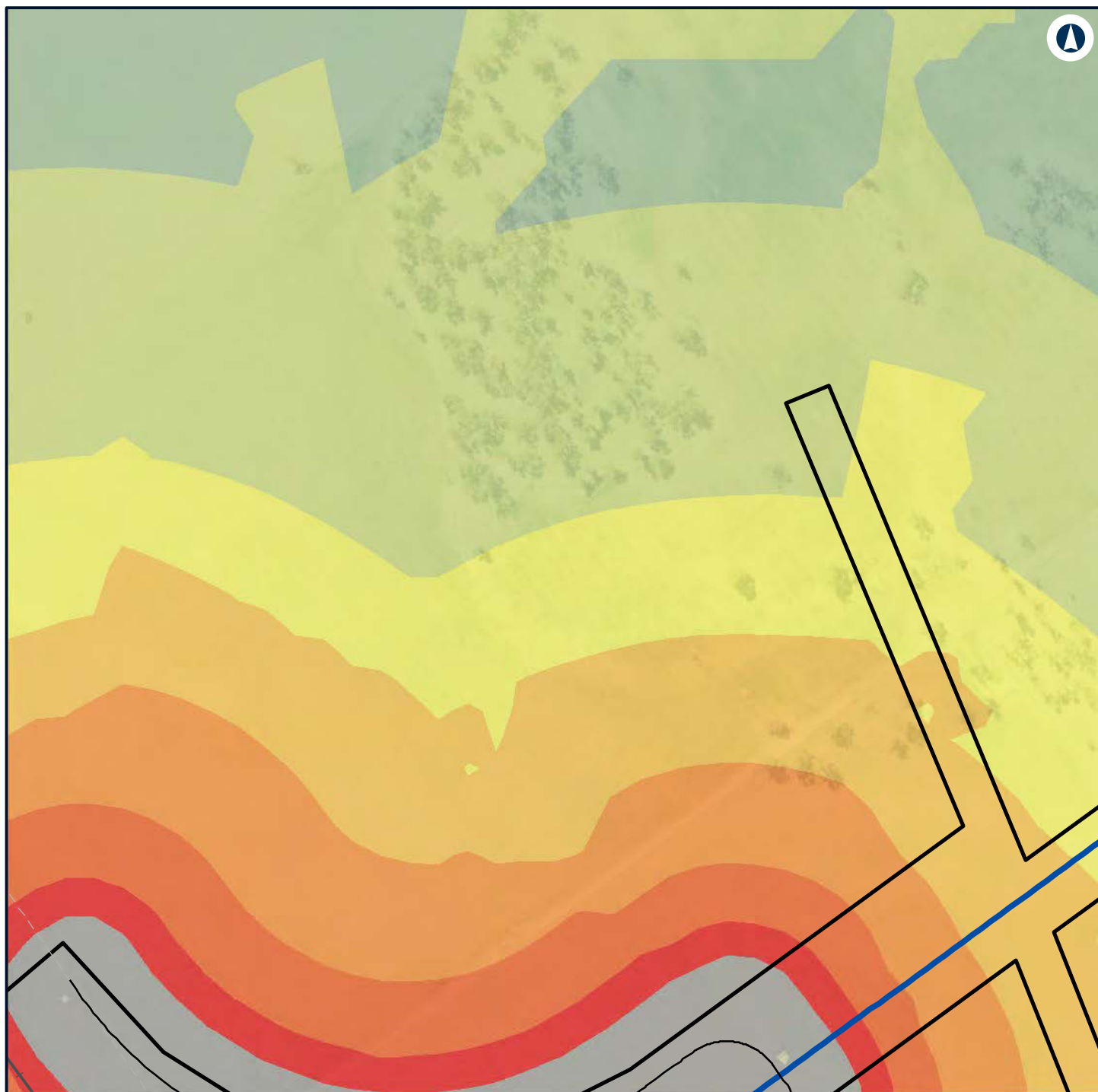
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

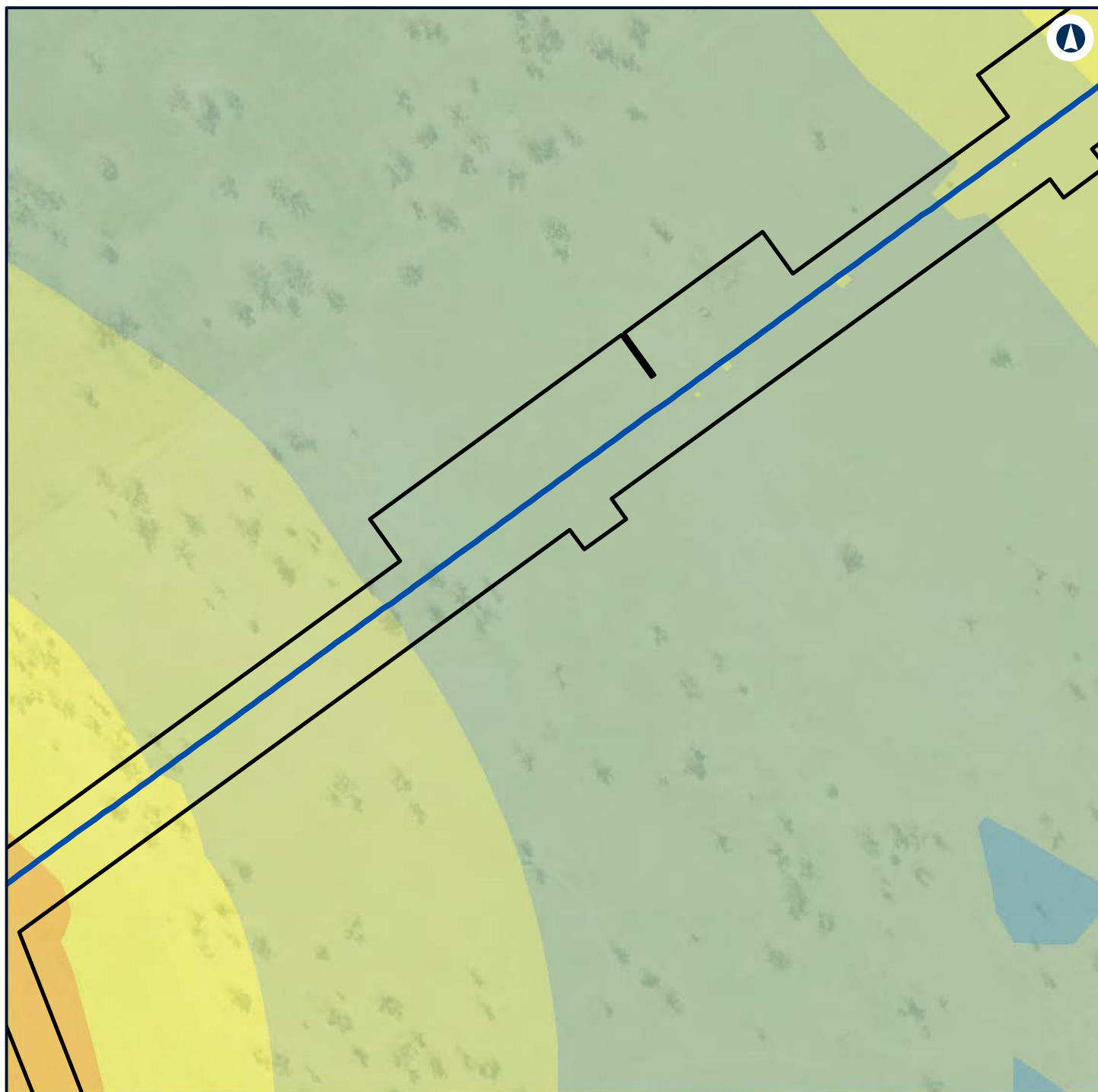
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

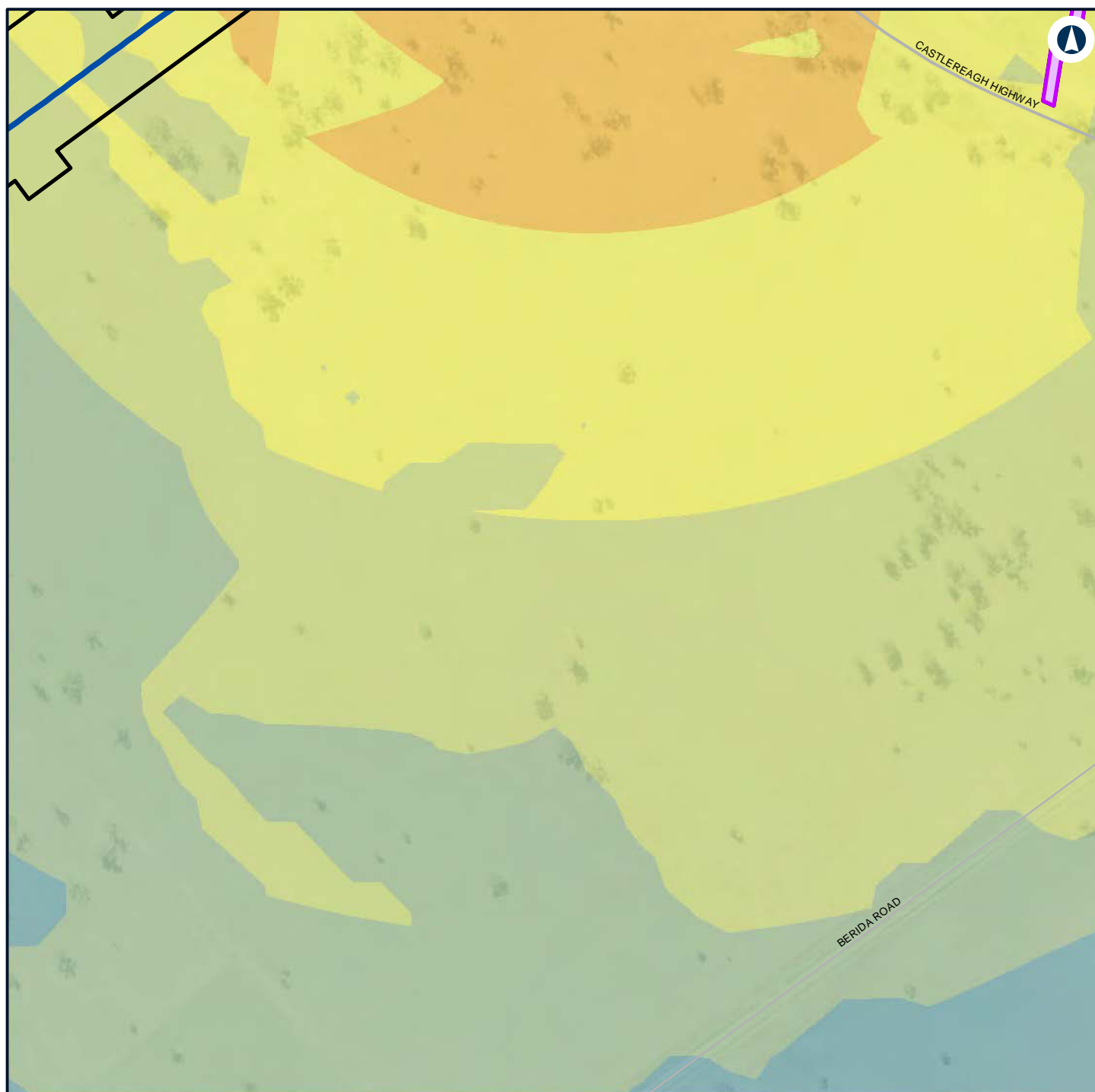
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

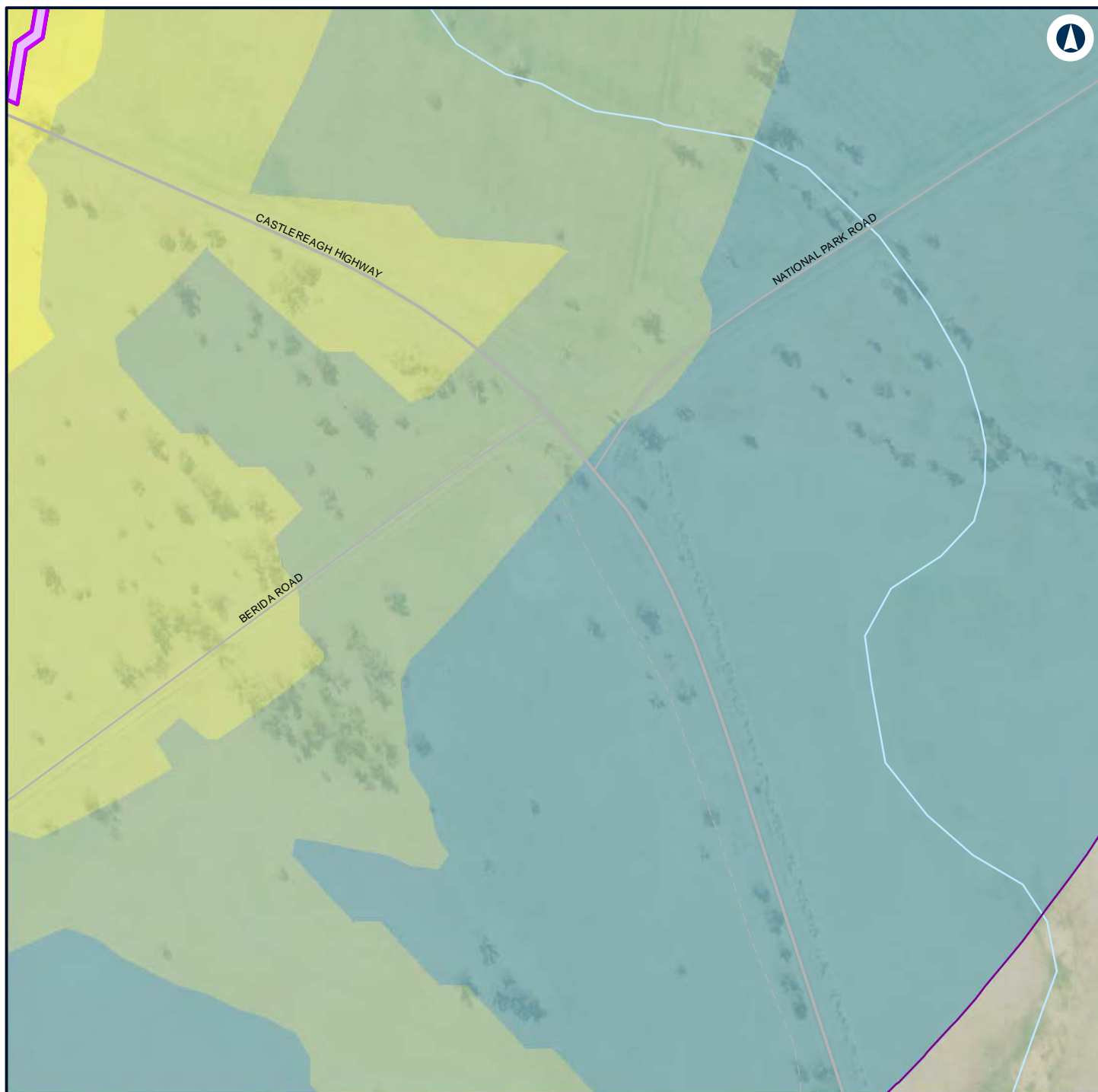
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LEGEND

- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45

- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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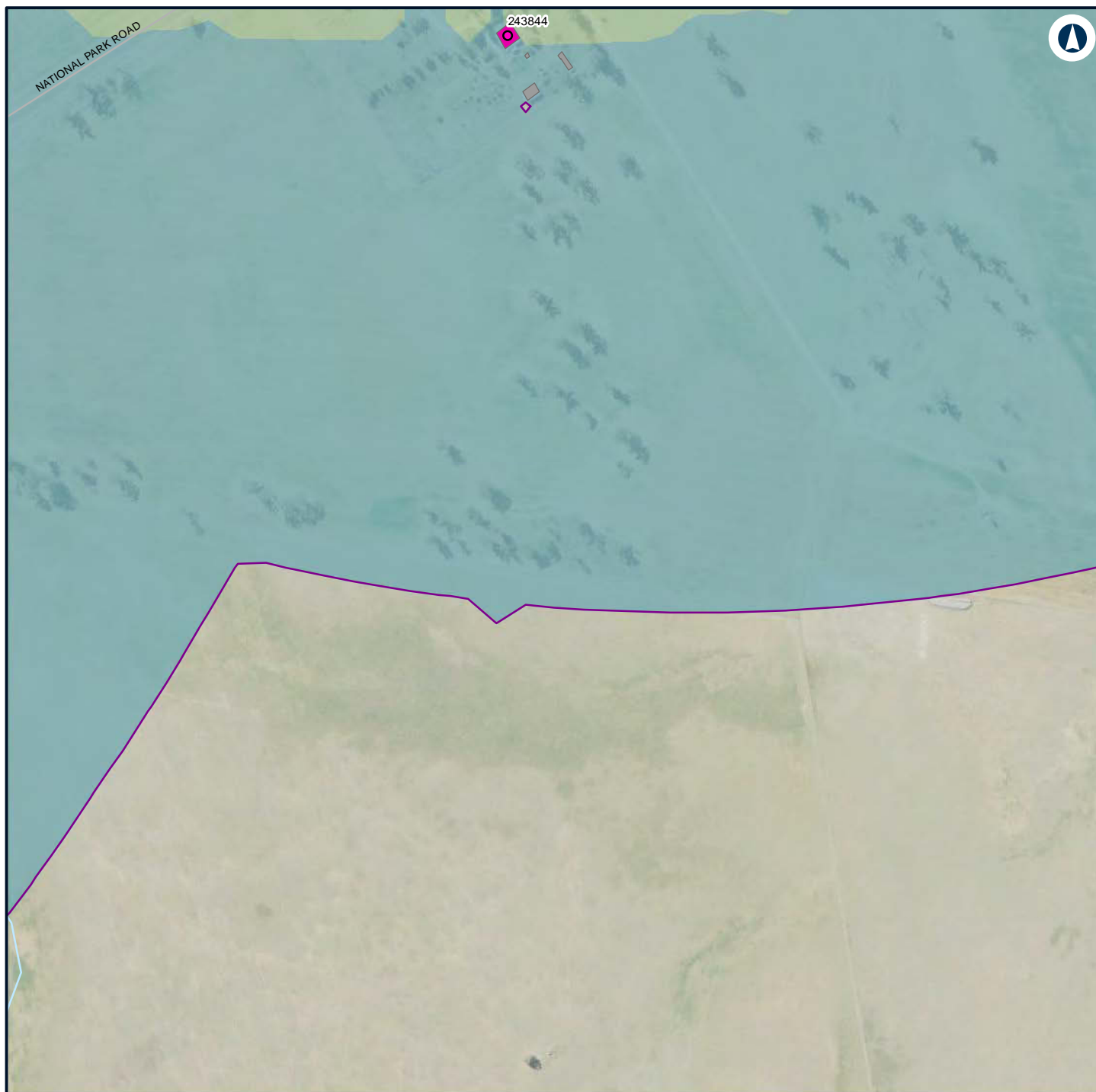
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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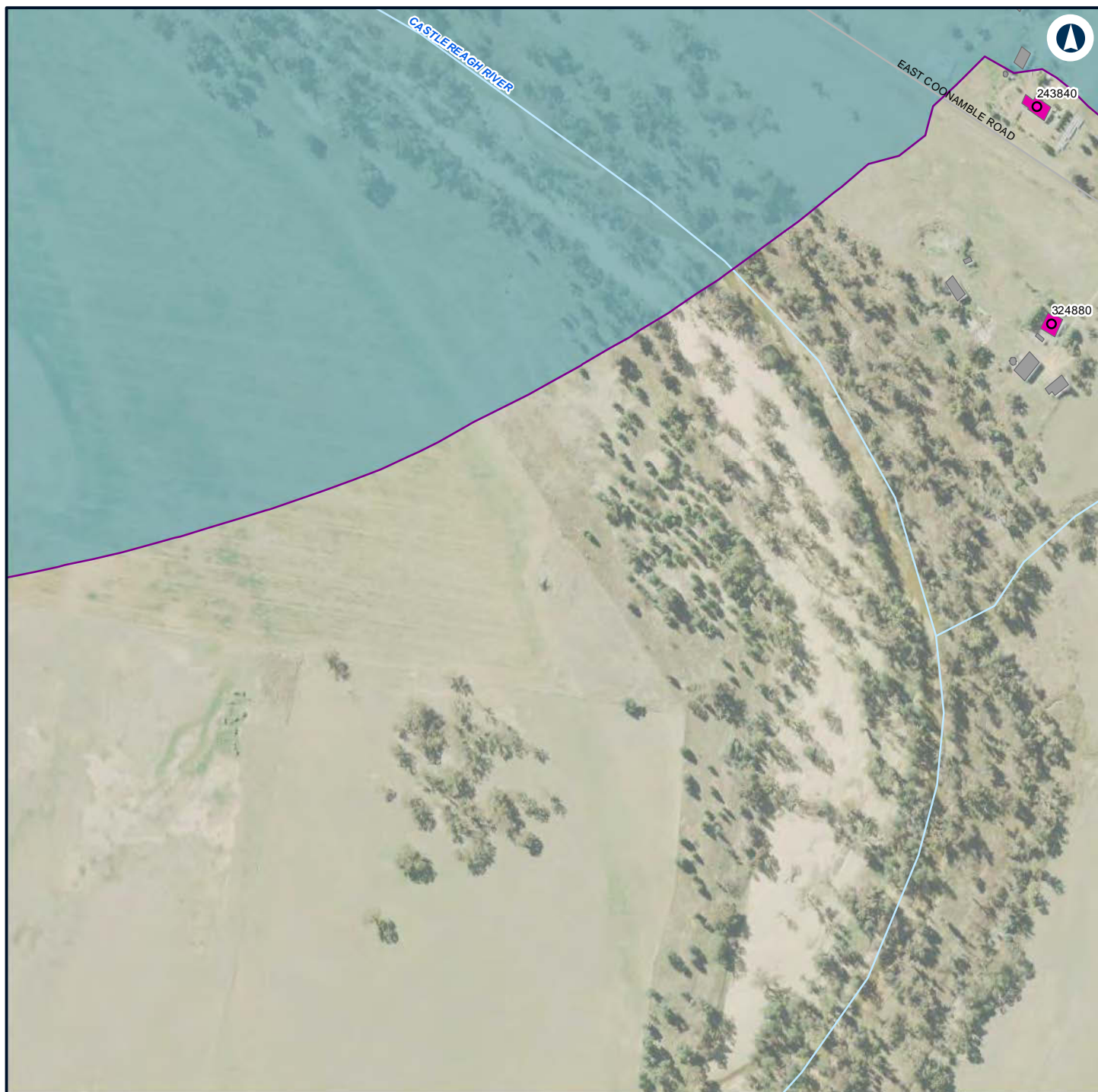
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

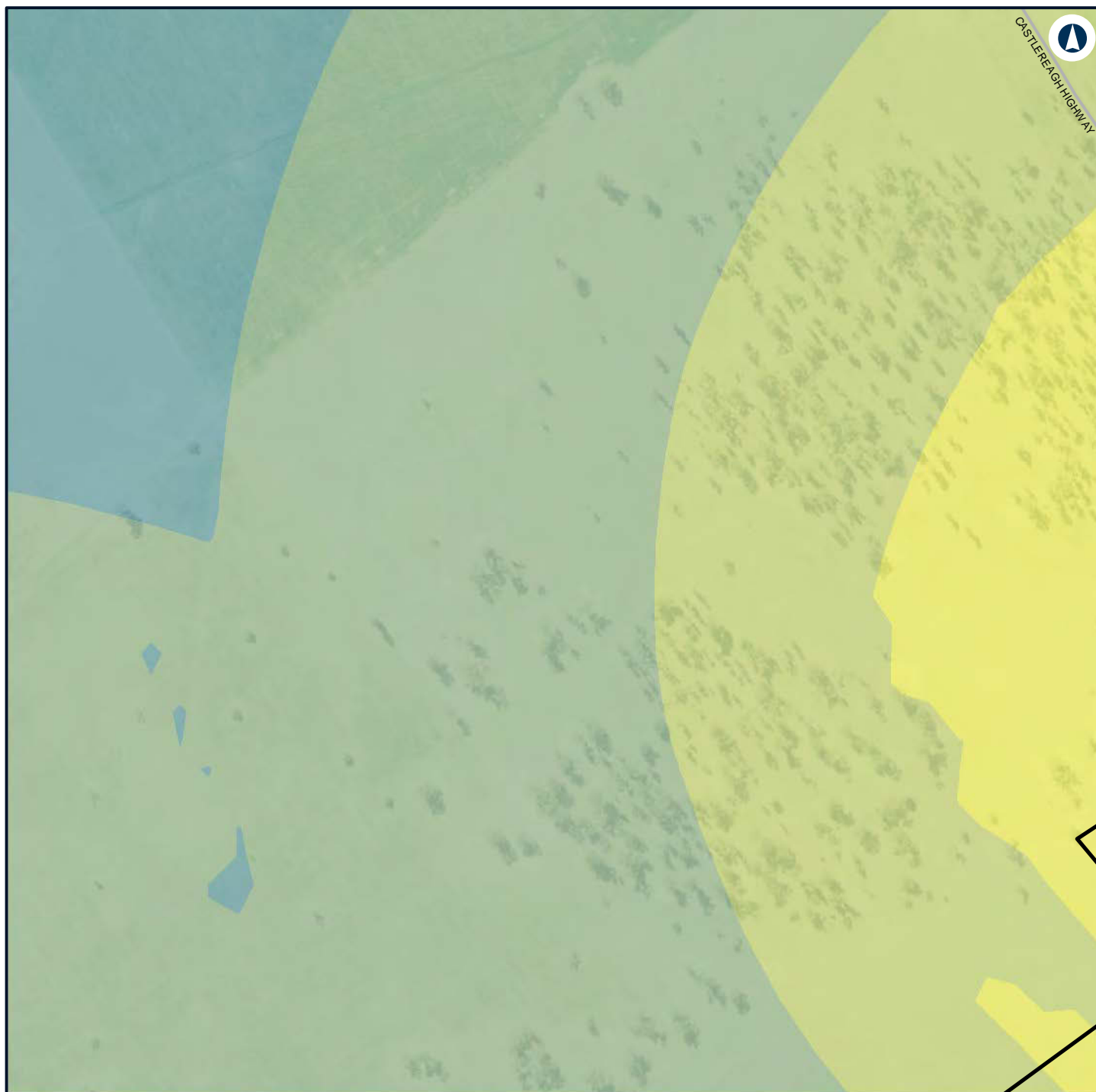
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LEGEND

 Construction footprint

Noise level (dBA L

Aeq 15 minute

 35 - 40
 40 - 45
 45 - 50
 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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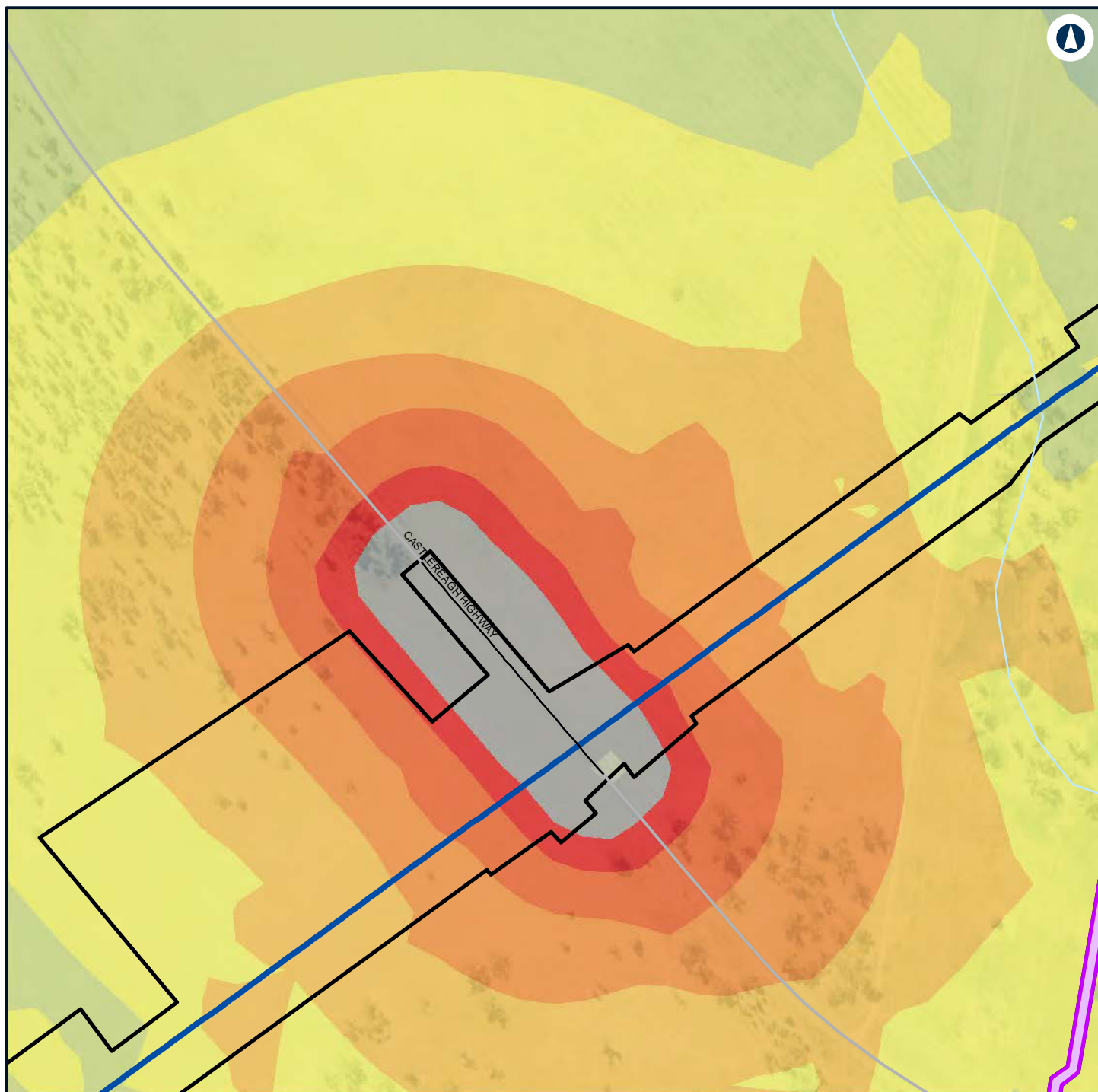
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
Noise level (dBA L	65 - 70
Aeq 15 minute)	70 - 75
40 - 45	> 75
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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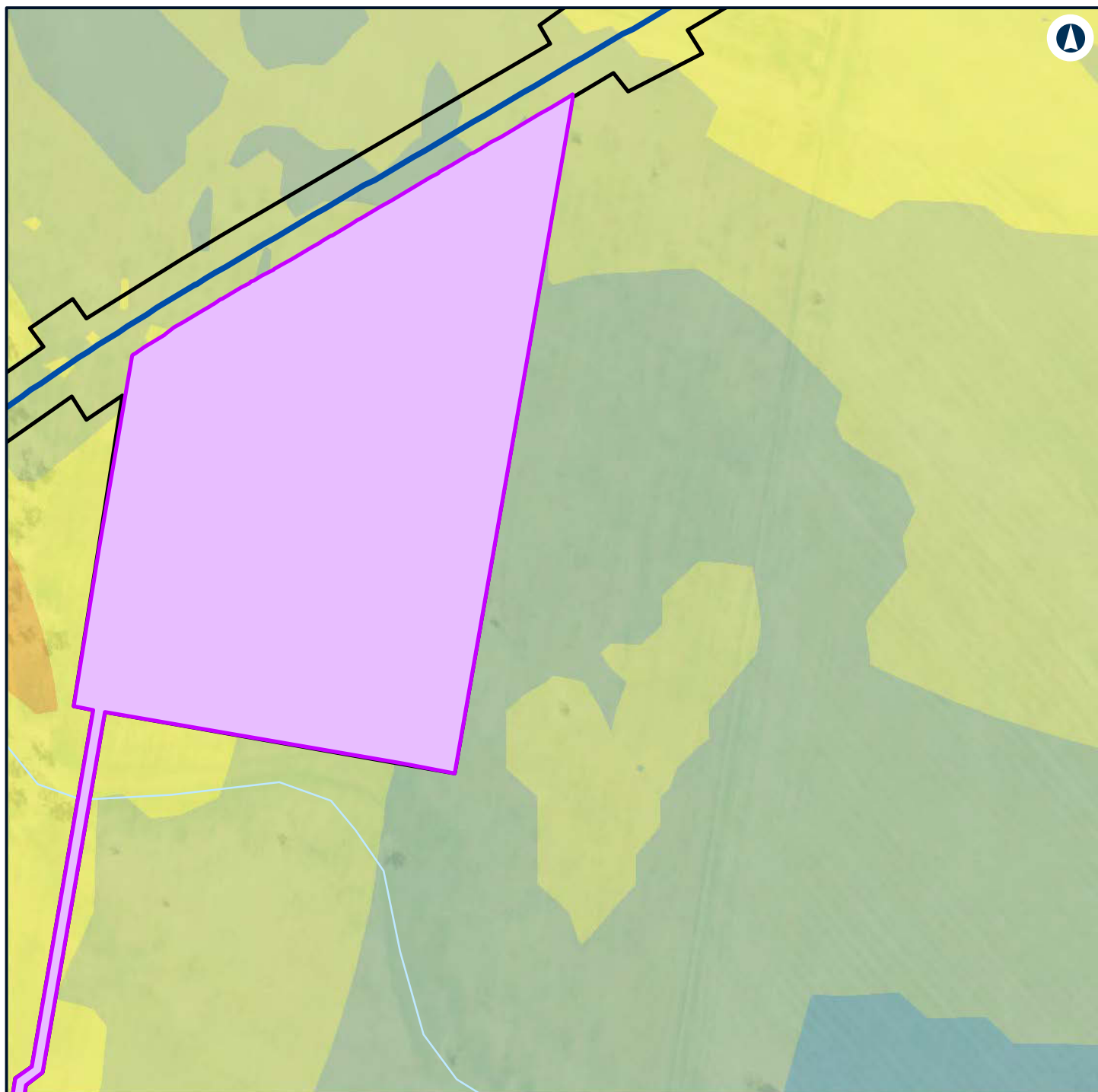
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

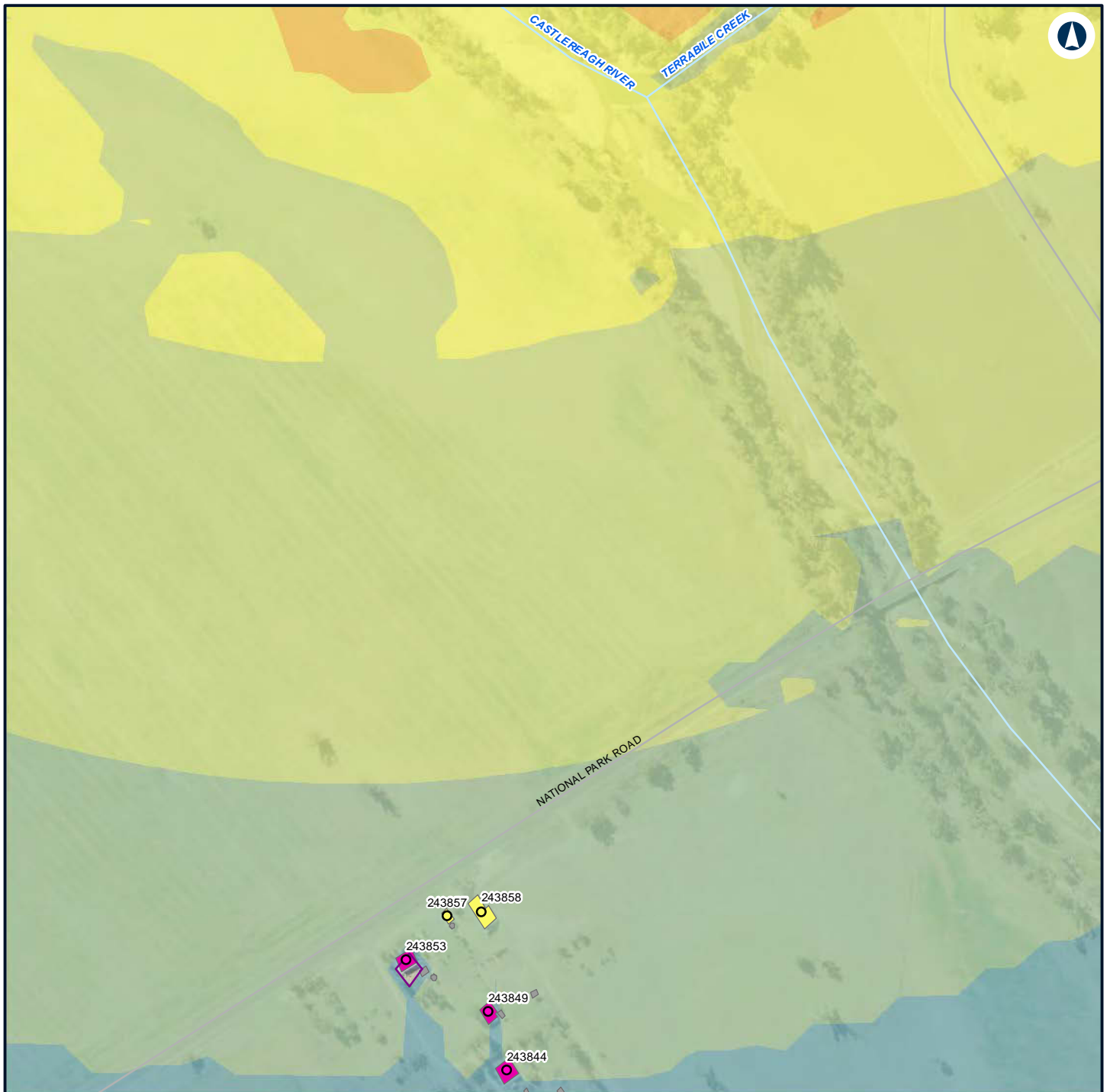
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LEGEND

Structure type	Night-time noise management level	Noise level (dBA L Aeq 15 minute)
Community		35 - 40
Residential		40 - 45
Community		45 - 50
Other		50 - 55
Residential		55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

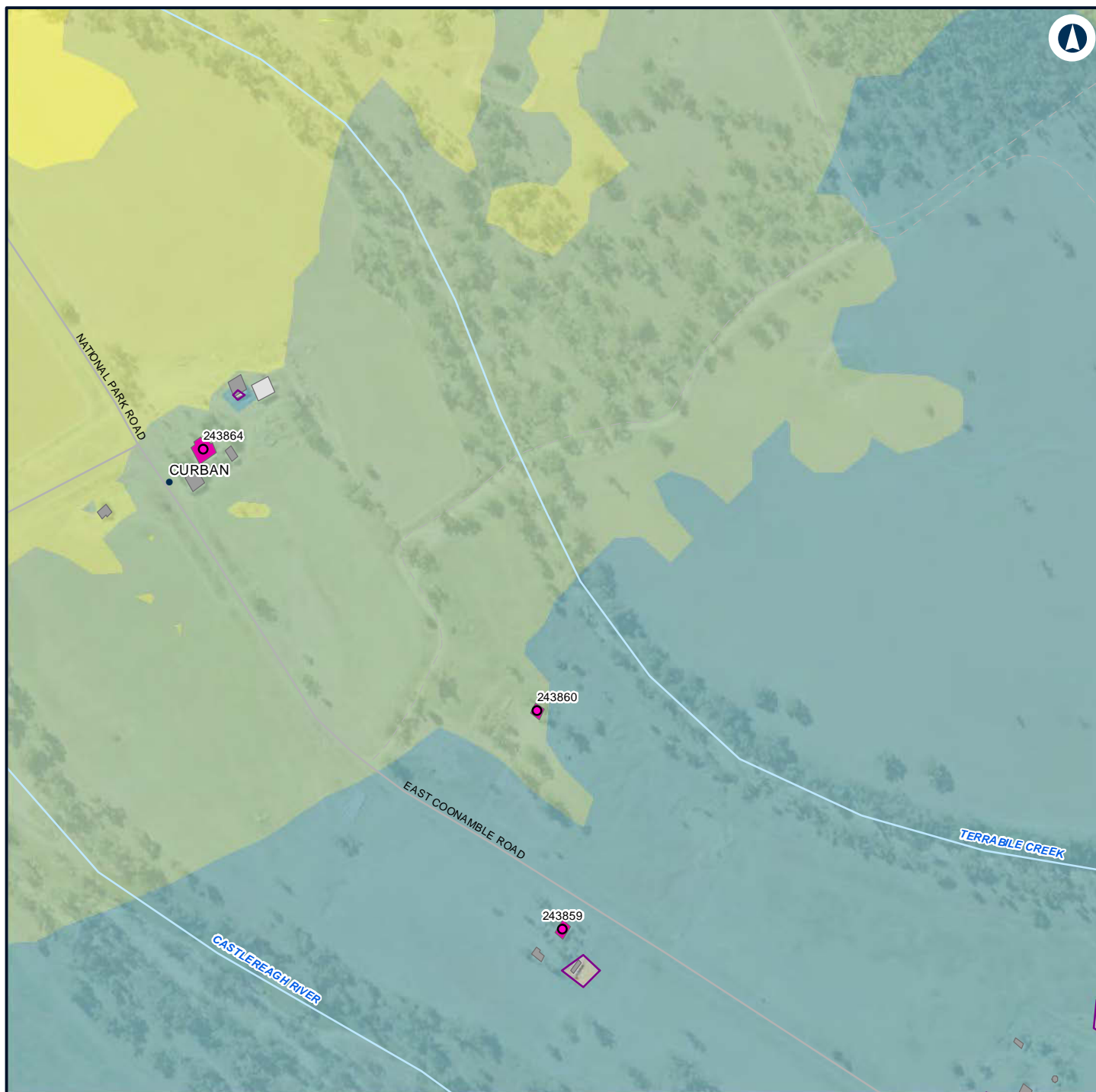
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LEGEND

Structure type

- Active recreation
- Residential
- Active recreation
- Commercial/Industrial
- Other

Residential

Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50

50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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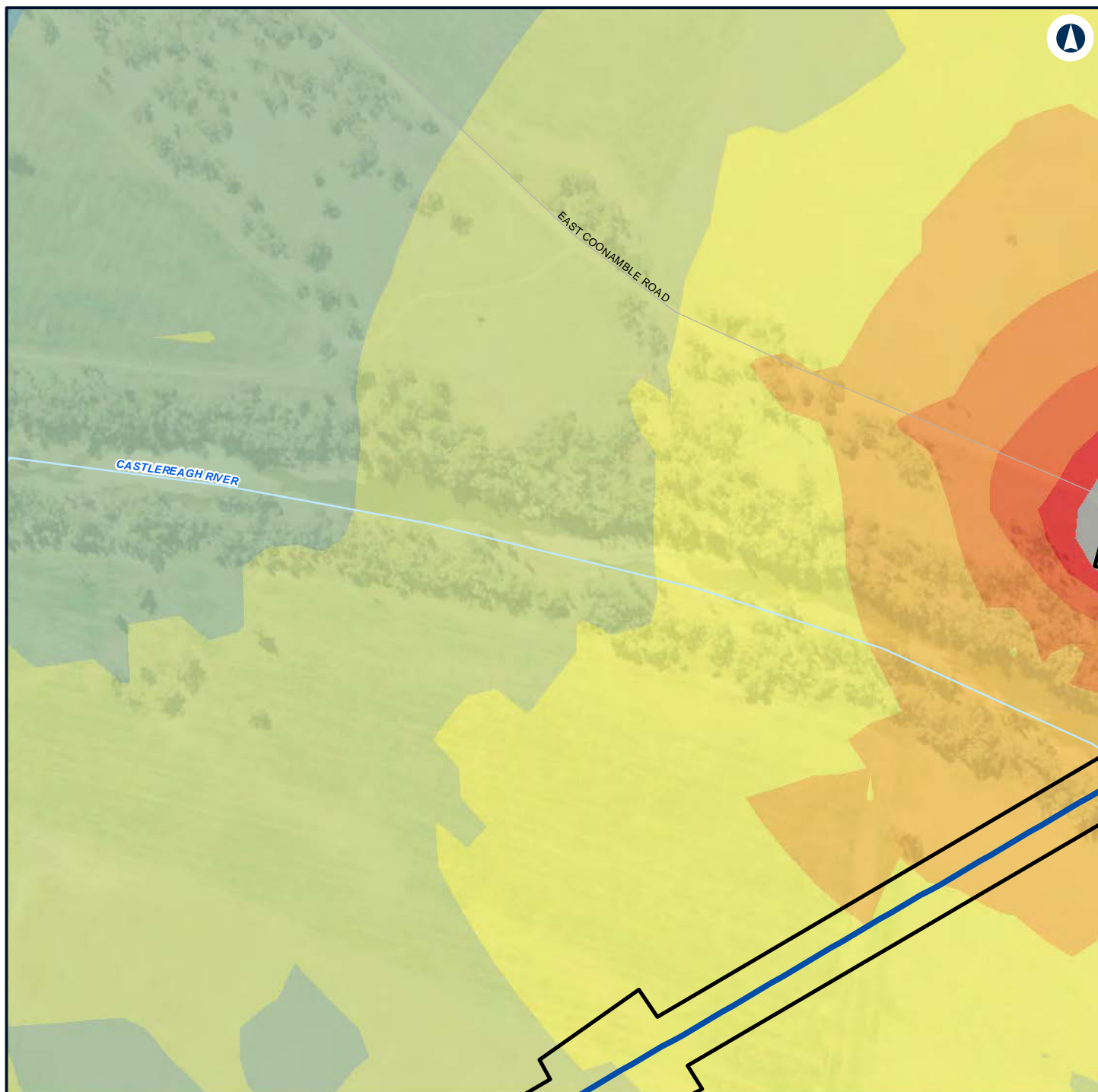
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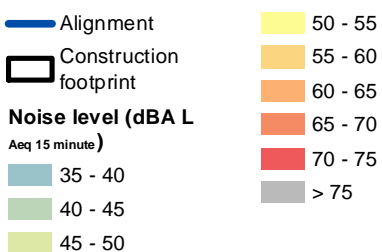
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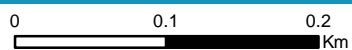
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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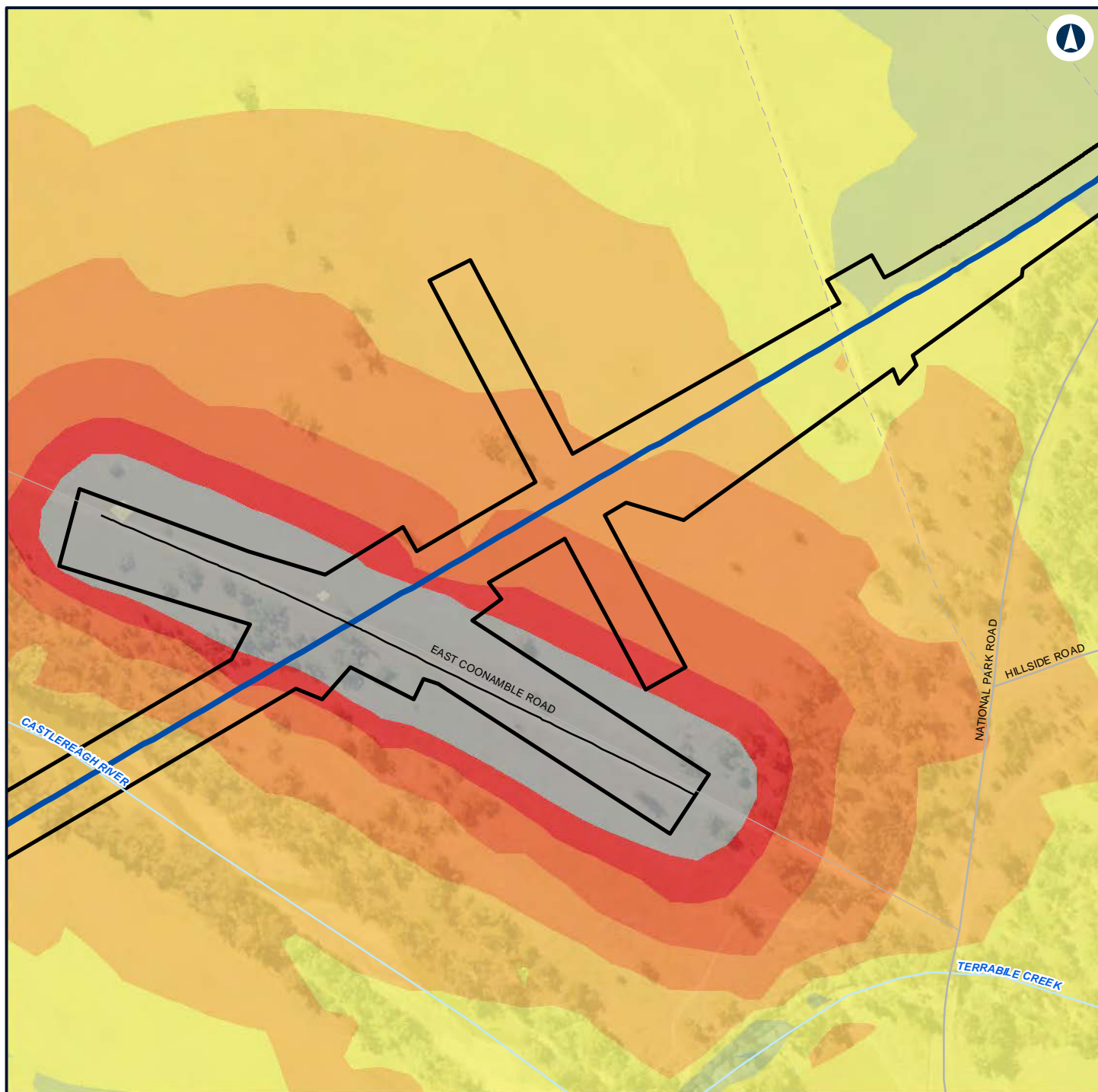
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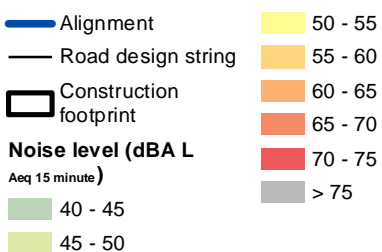
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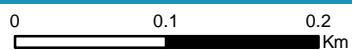
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Coordinate System: GDA 1994 MGA Zone 55

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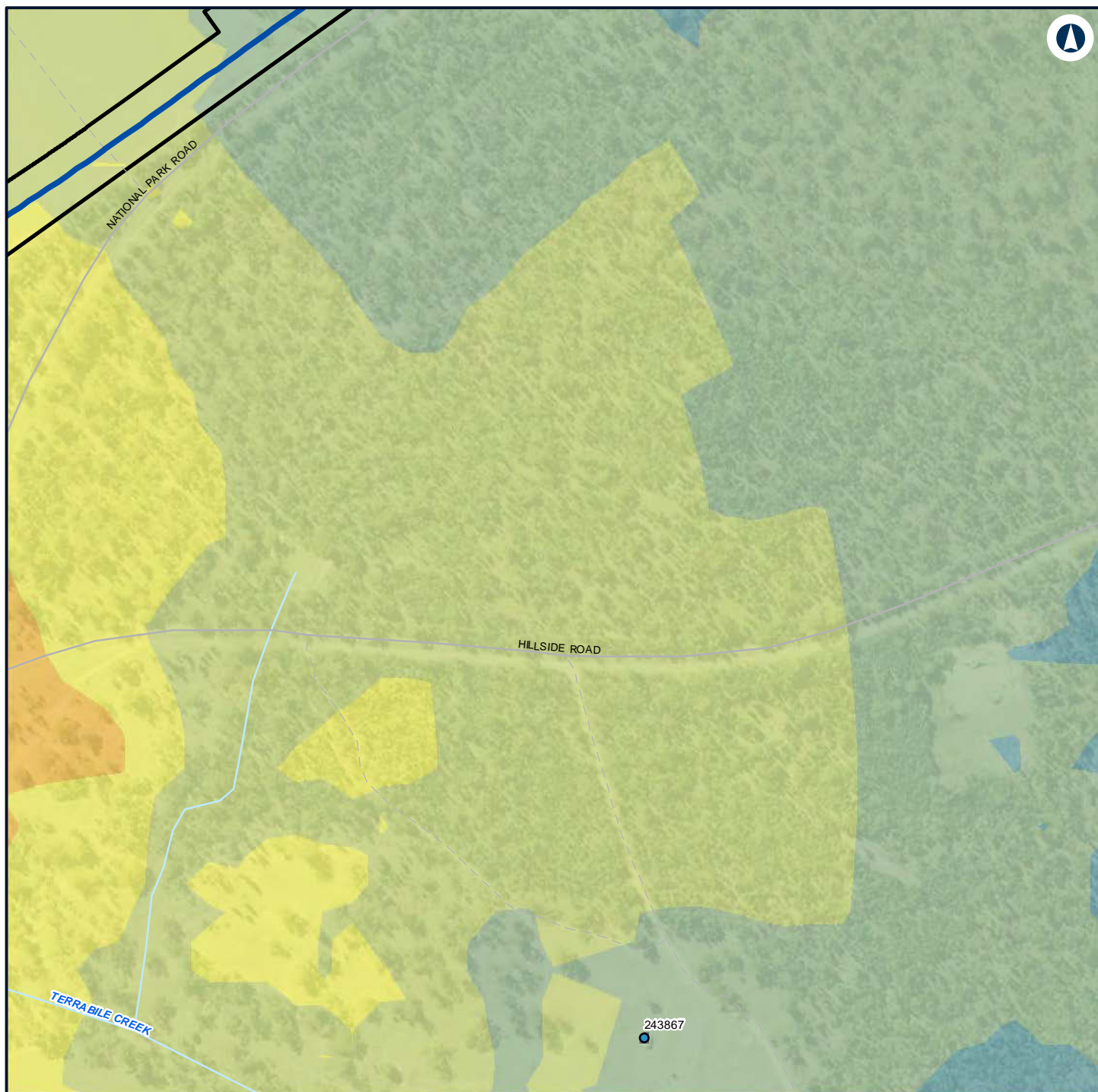
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LEGEND

Alignment

Construction footprint

Structure type

Active recreation

Active recreation

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2 Km

Coordinate System: GDA 1994 MGA Zone 55

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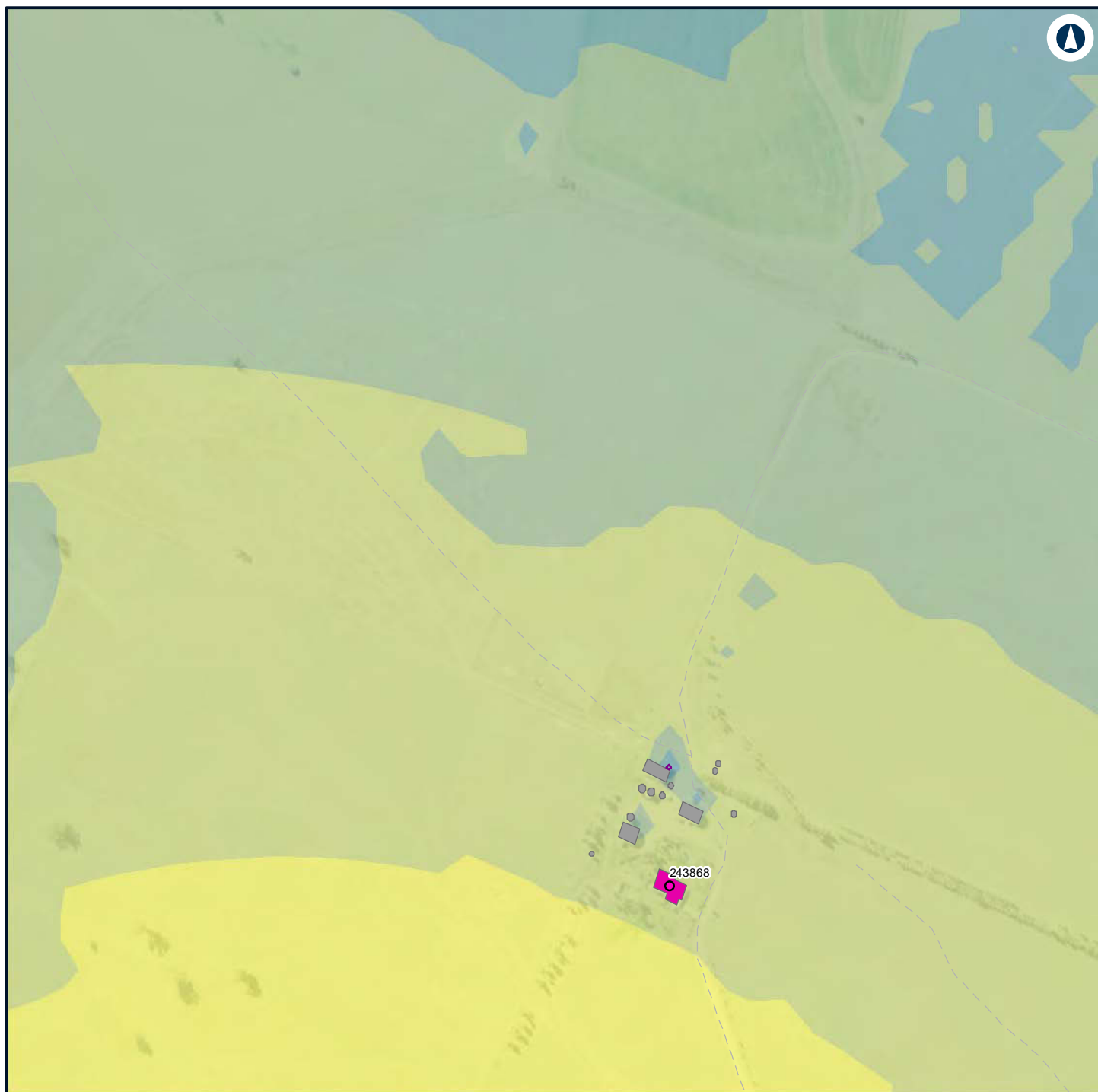
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 22/12/2021

Paper: A4

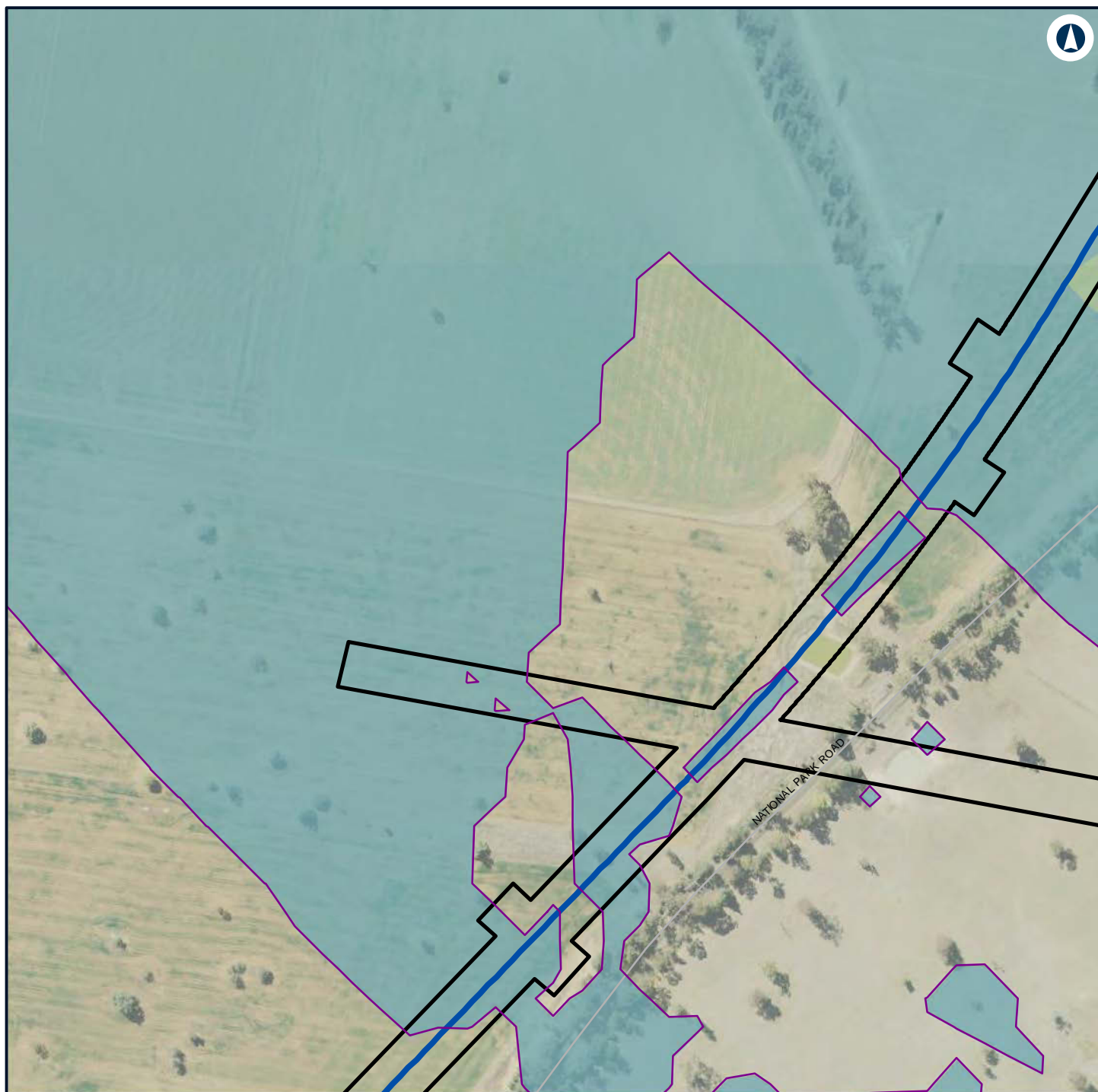
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

— 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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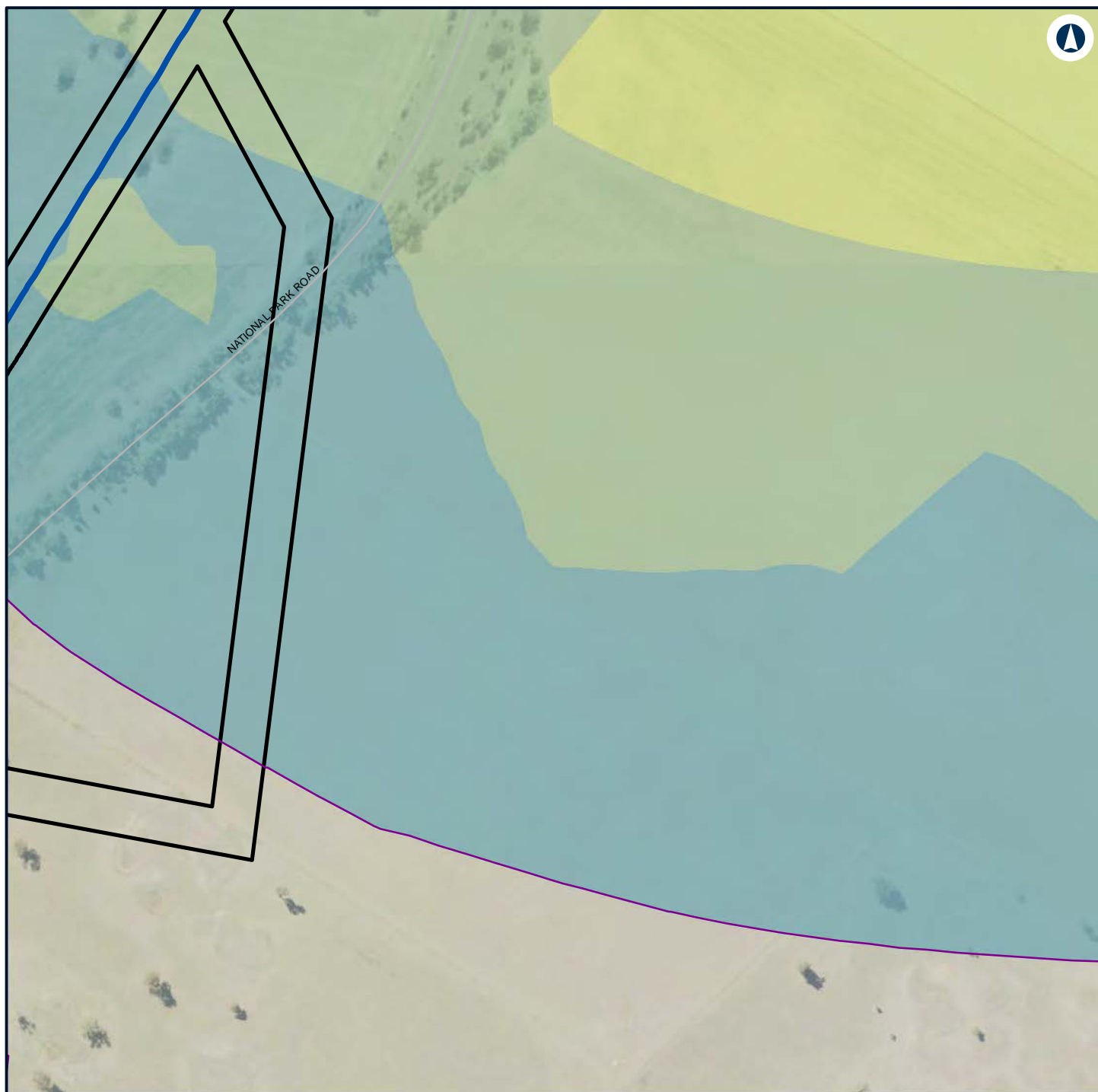
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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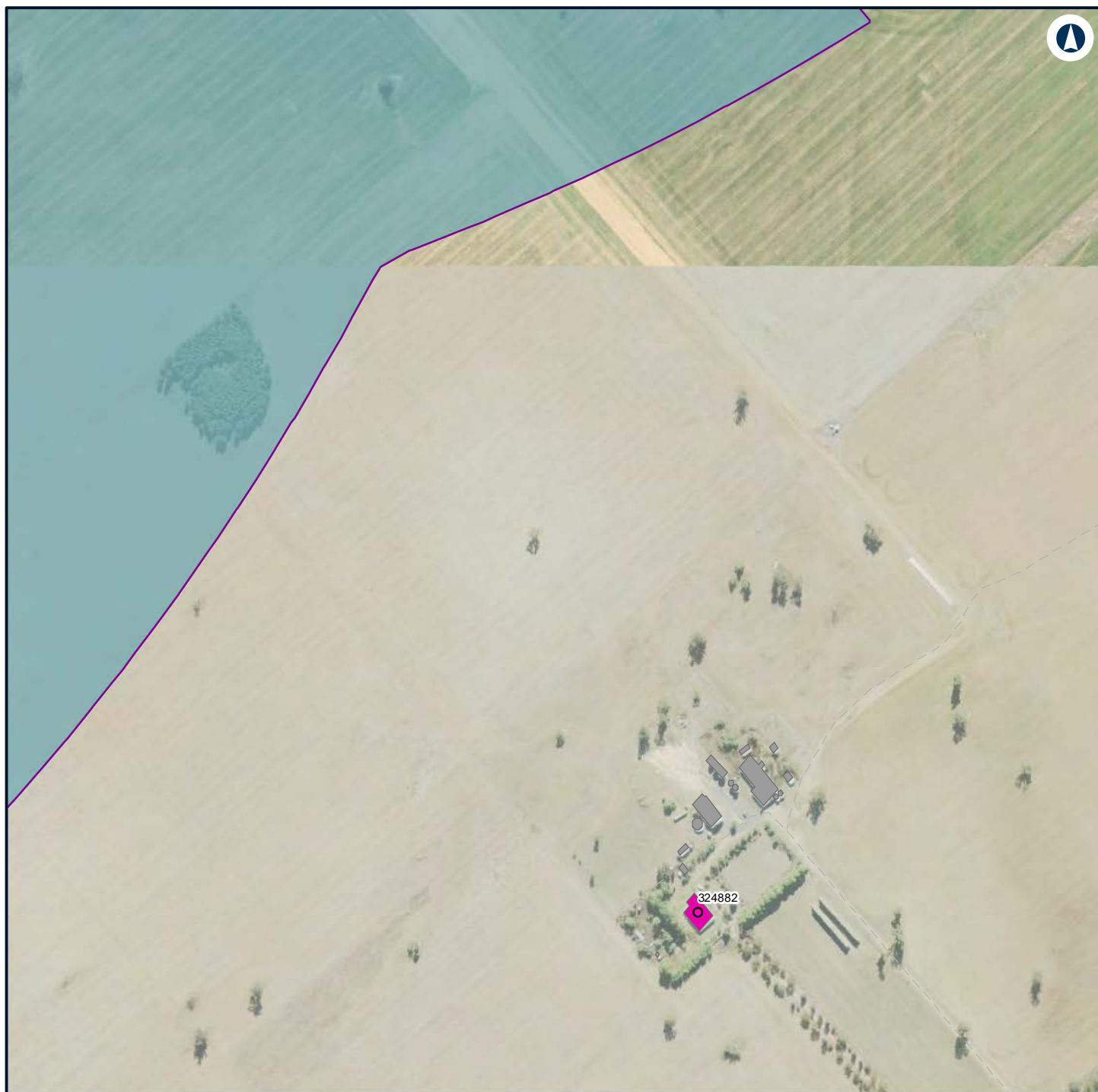
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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

-  35 - 40
-  40 - 45

 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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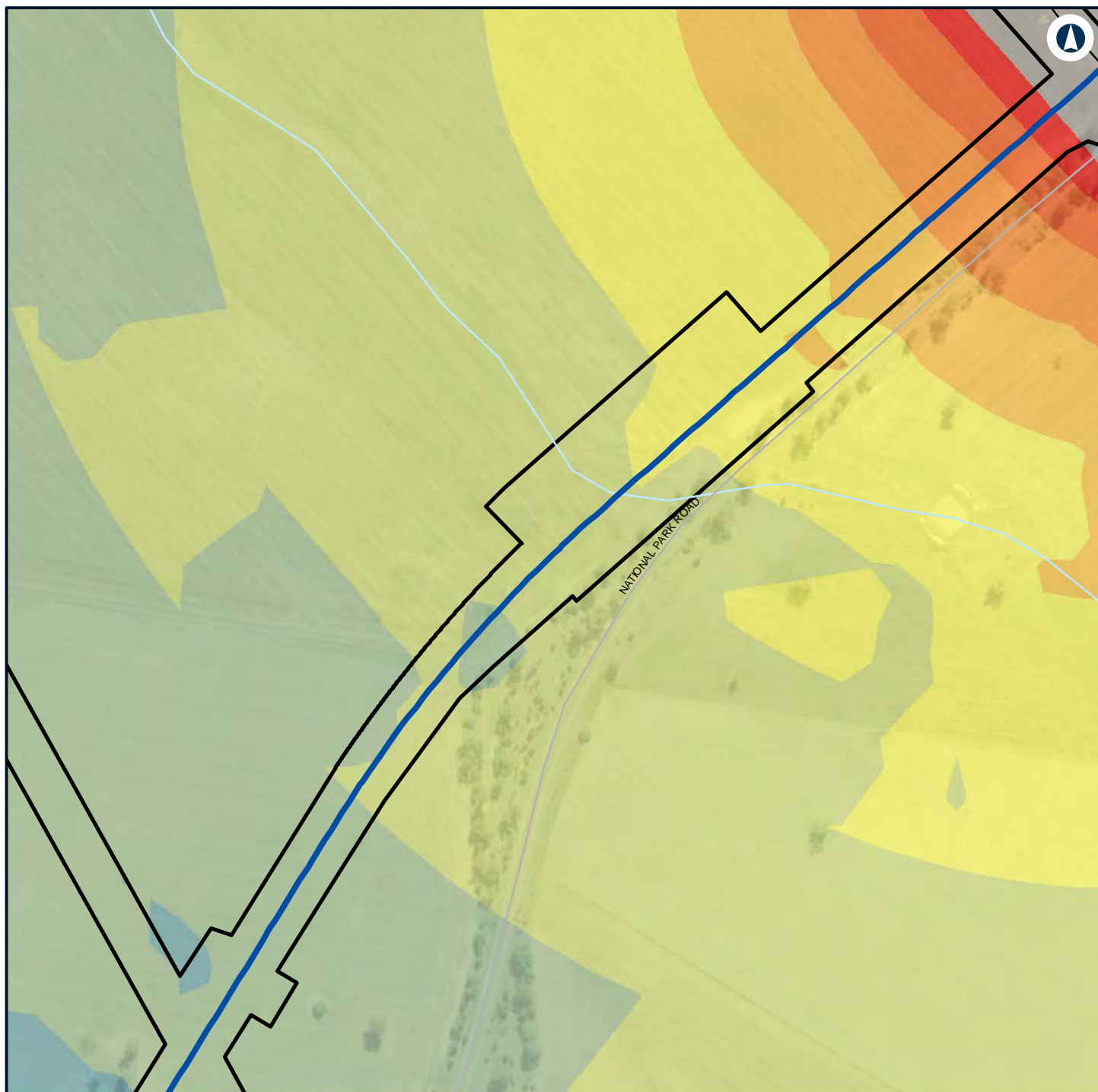
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	45 - 50
Road design string	50 - 55
Construction footprint	55 - 60
Noise level (dBA L) <small>Aeq 15 minute</small>	60 - 65
35 - 40	65 - 70
40 - 45	70 - 75
	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

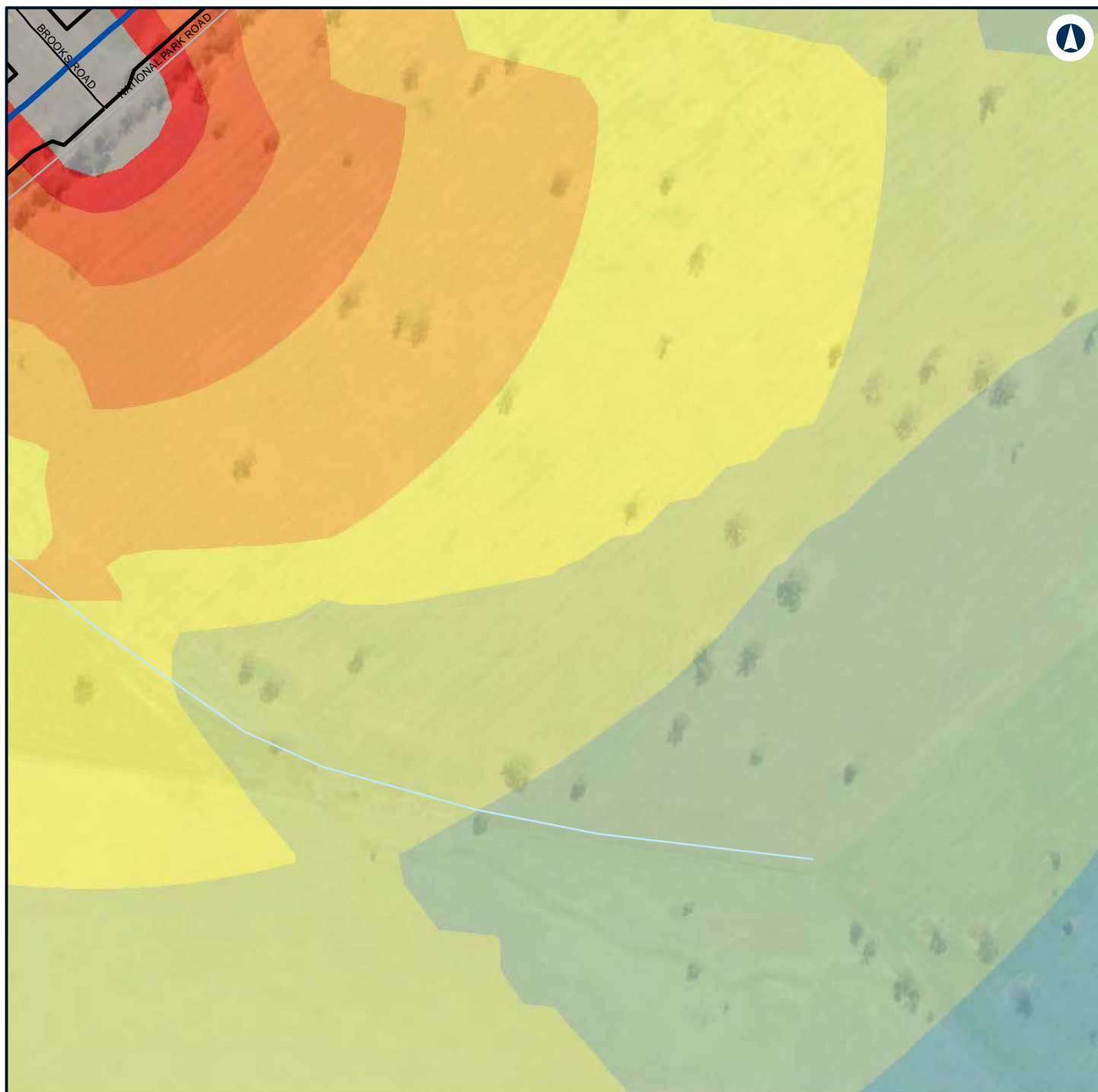
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LEGEND

Alignment	45 - 50
Road design string	50 - 55
Construction footprint	55 - 60
Noise level (dBA L	60 - 65
Aeq 15 minute)	65 - 70
35 - 40	70 - 75
40 - 45	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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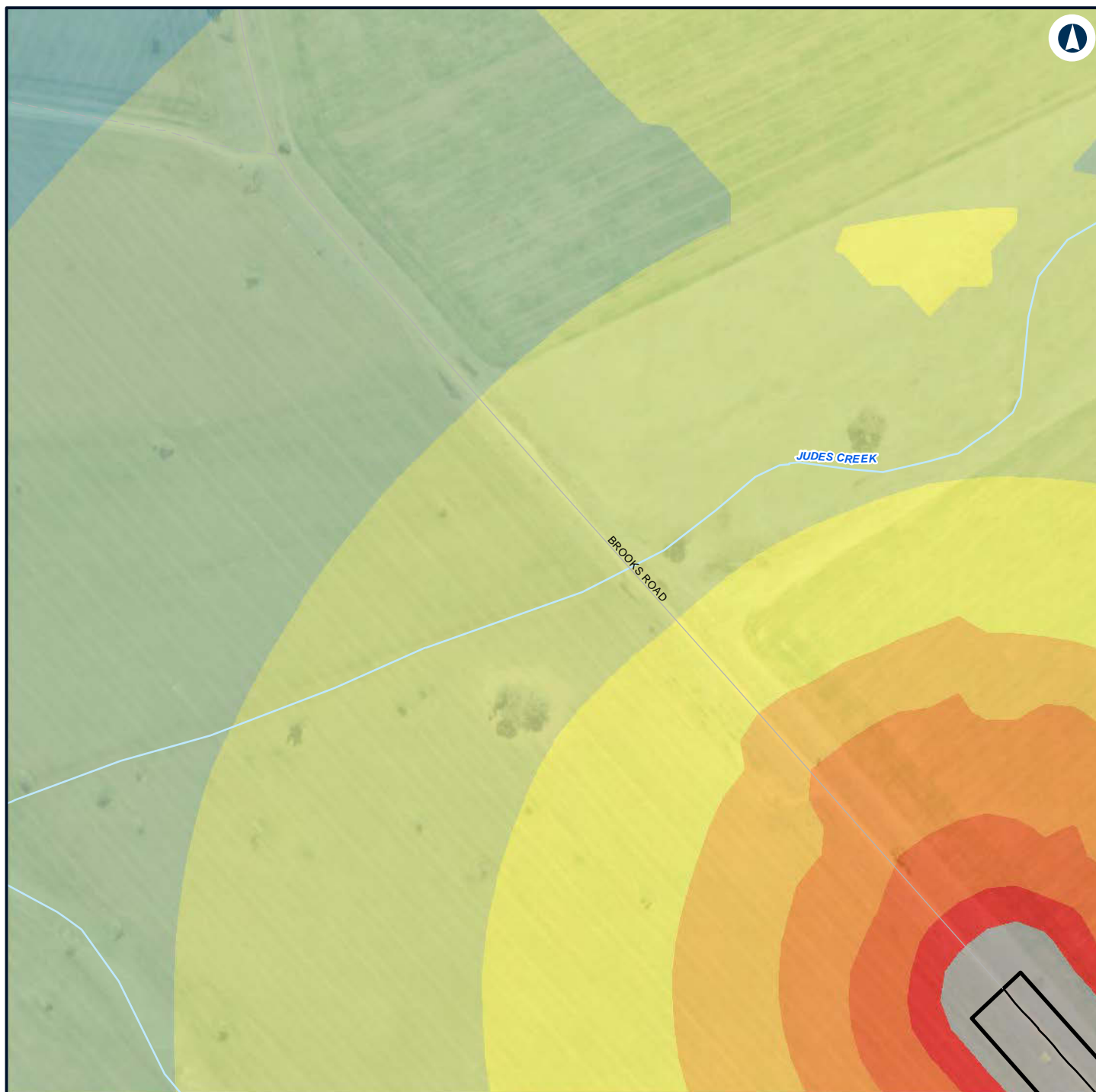
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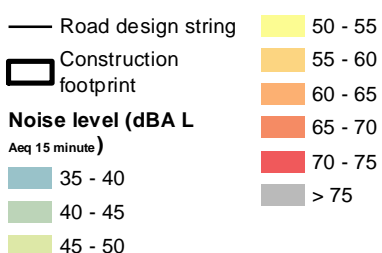
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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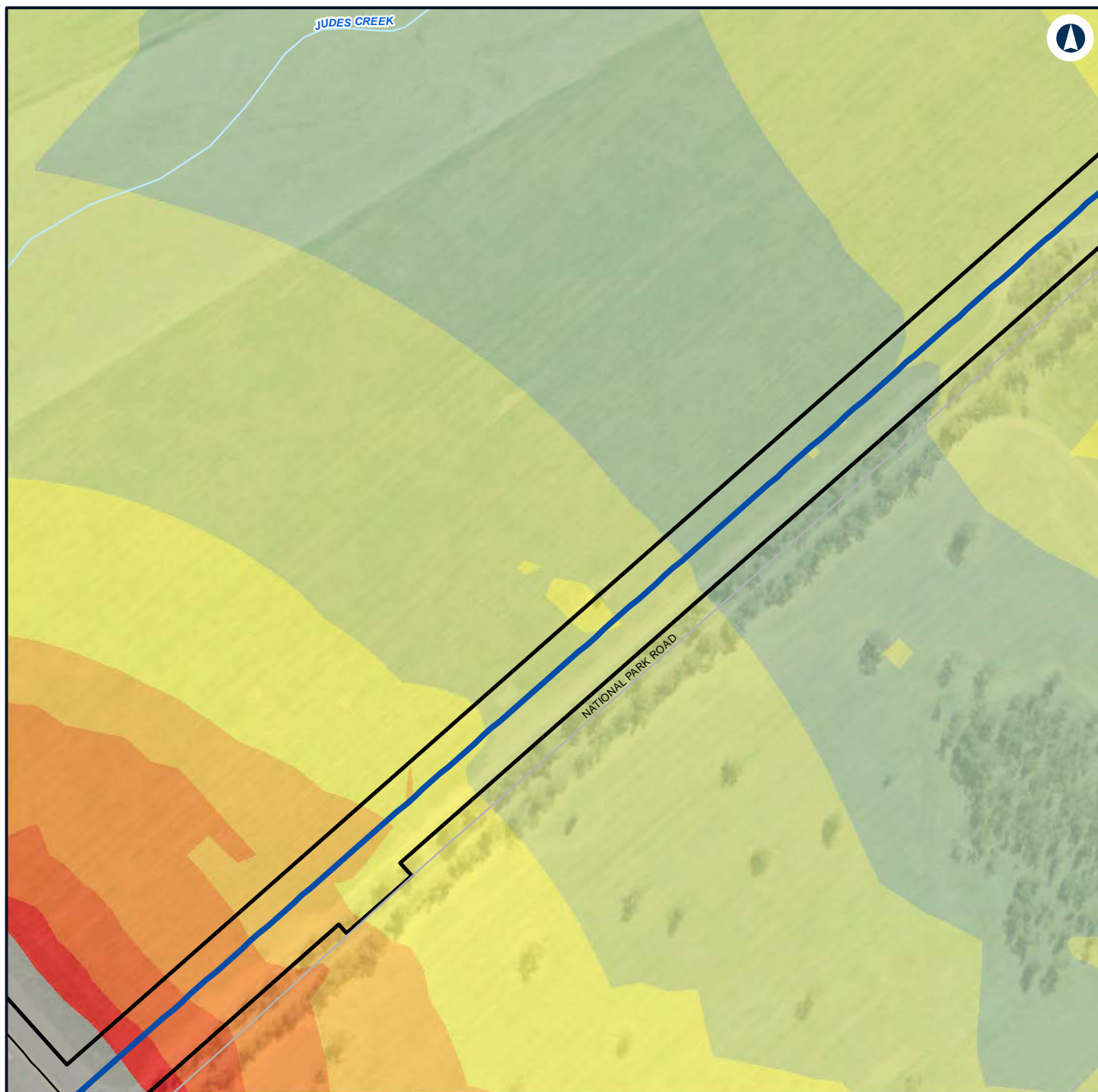
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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
	65 - 70
	70 - 75
	> 75
Noise level (dBA L Aeq 15 minute)	
40 - 45	
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

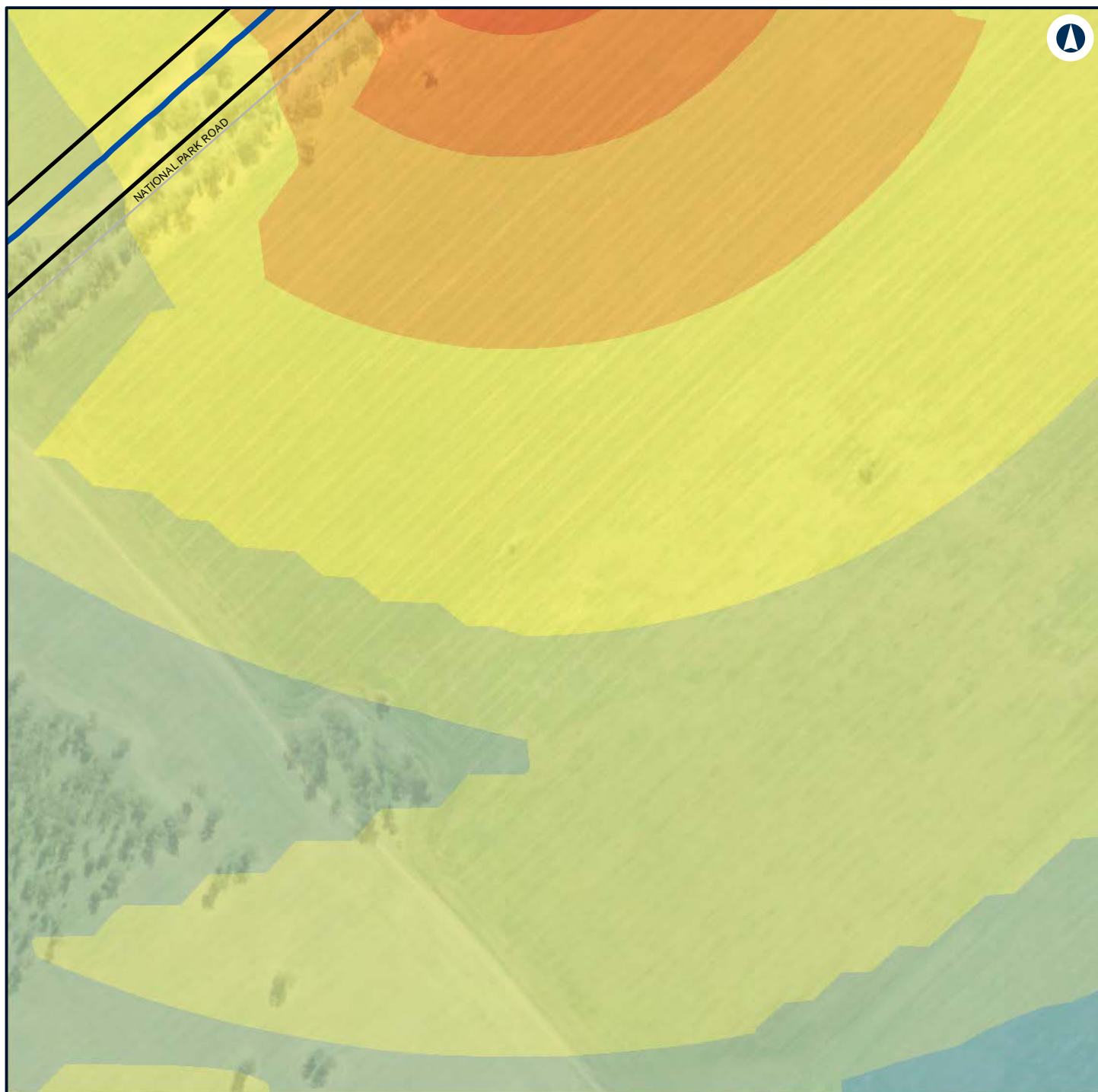
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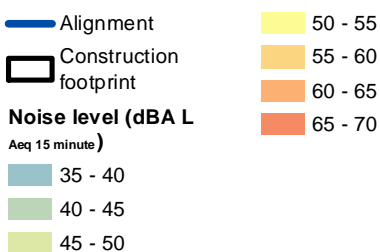
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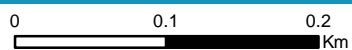
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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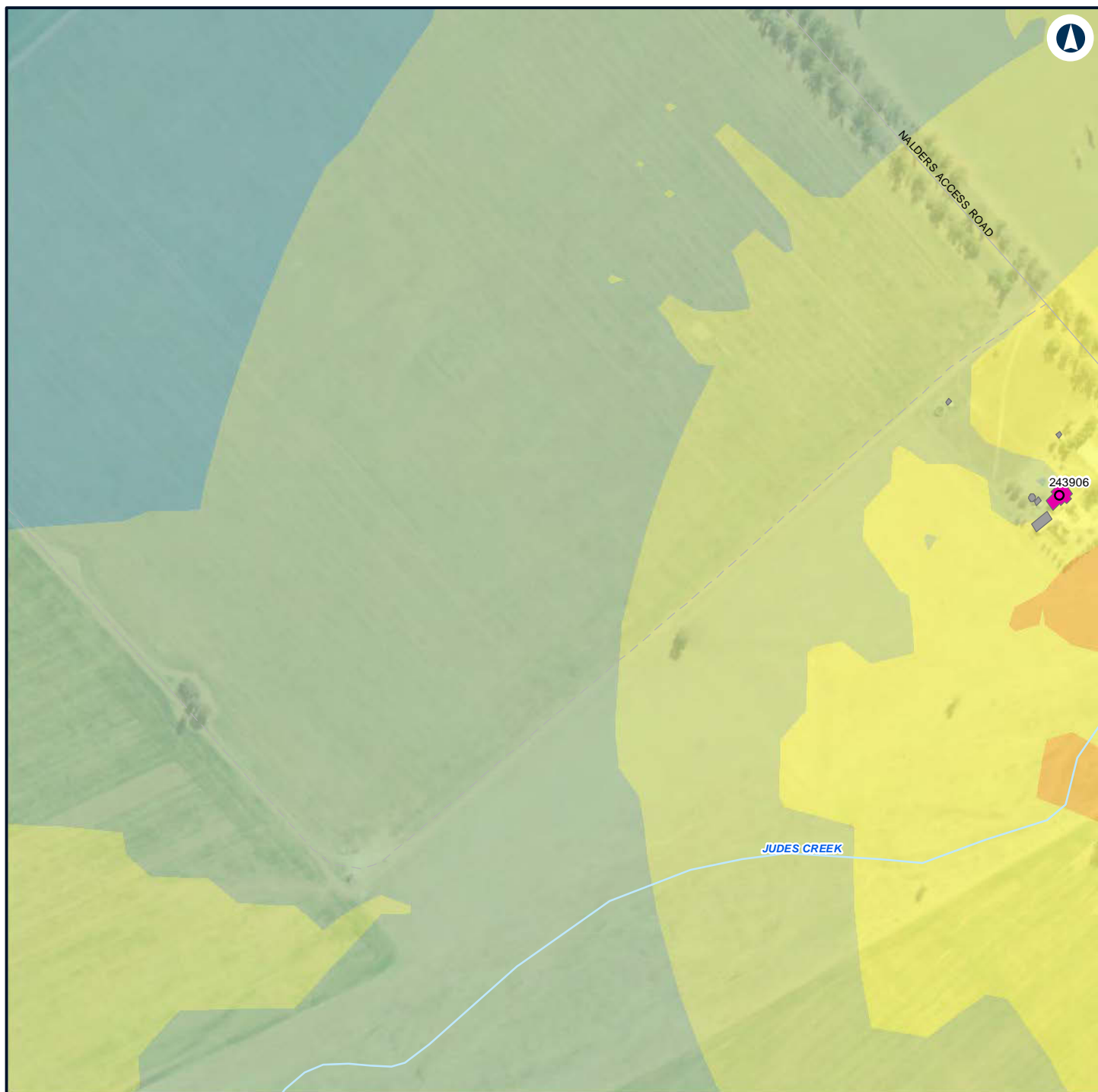
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LEGEND

Structure type		40 - 45
Residential		45 - 50
Other		50 - 55
Residential		55 - 60

Noise level (dBA L

Aeq 15 minute)

	35 - 40
--	---------



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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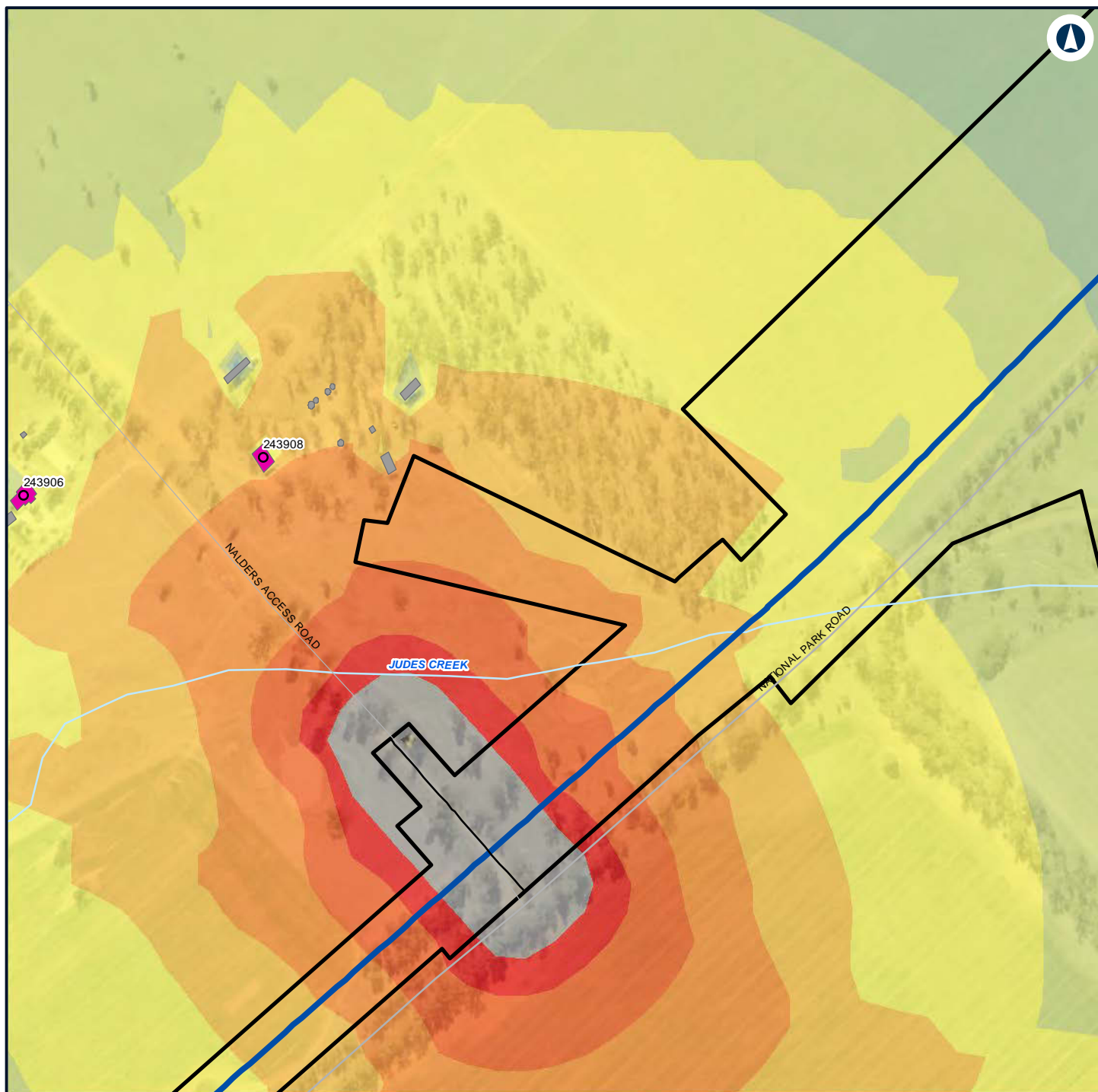
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LEGEND

Alignment	Residential	55 - 60
Road design string	Noise level (dBA L Aeq 15 minute)	60 - 65
Construction footprint	35 - 40	65 - 70
Structure type	40 - 45	70 - 75
Residential	45 - 50	> 75
Other	50 - 55	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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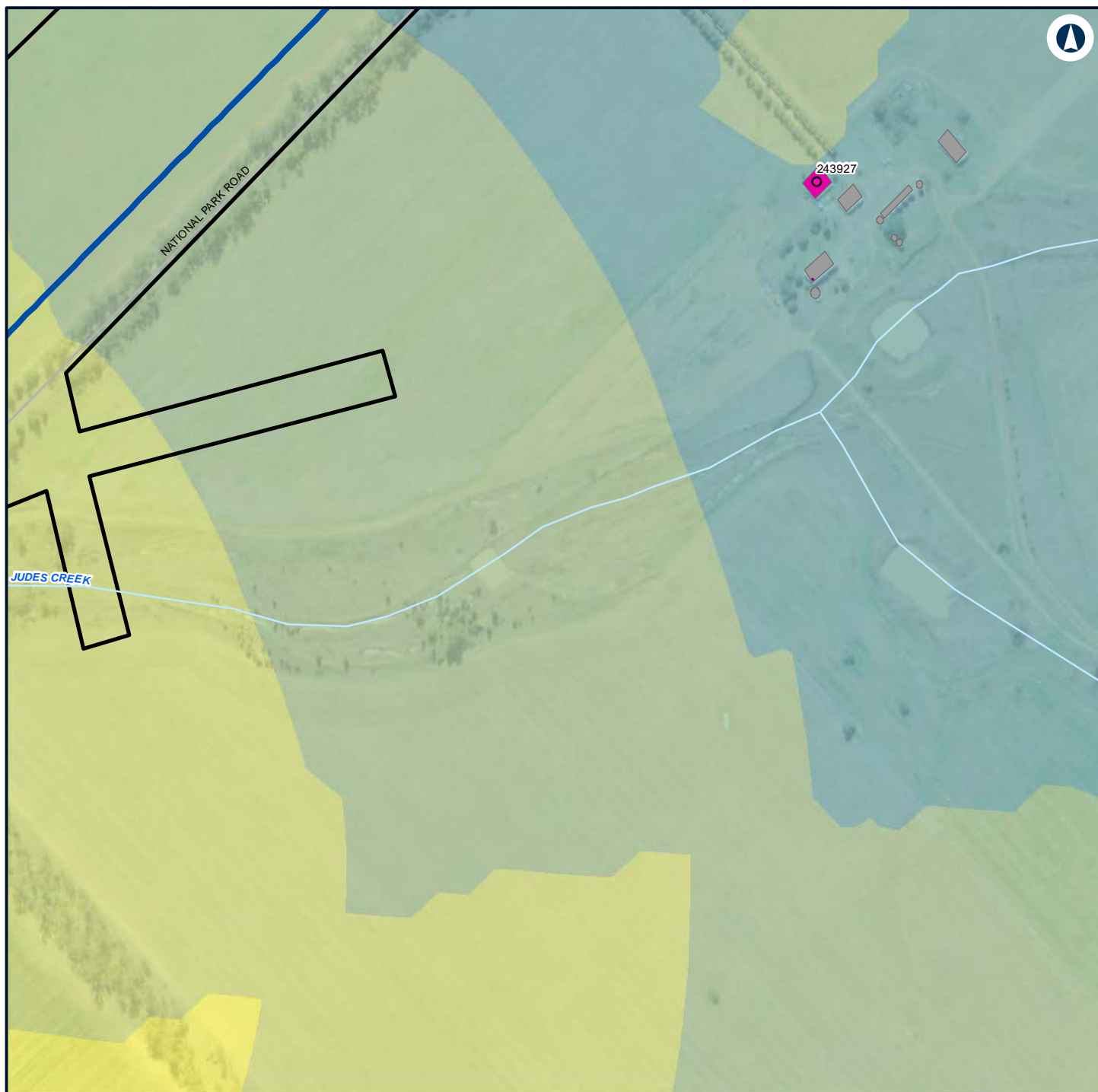
Author: GHD

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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Structure type**
 - Residential
 - Other
 - Residential
- Night-time noise management level
- Noise level (dBA L Aeq 15 minute)**
 - 35 - 40
 - 40 - 45
 - 45 - 50
 - 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

 Construction footprint

Noise level (dBA L

Aeq 15 minute)

 35 - 40

 40 - 45

 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 245 of 554

0 0.1 0.2
Km

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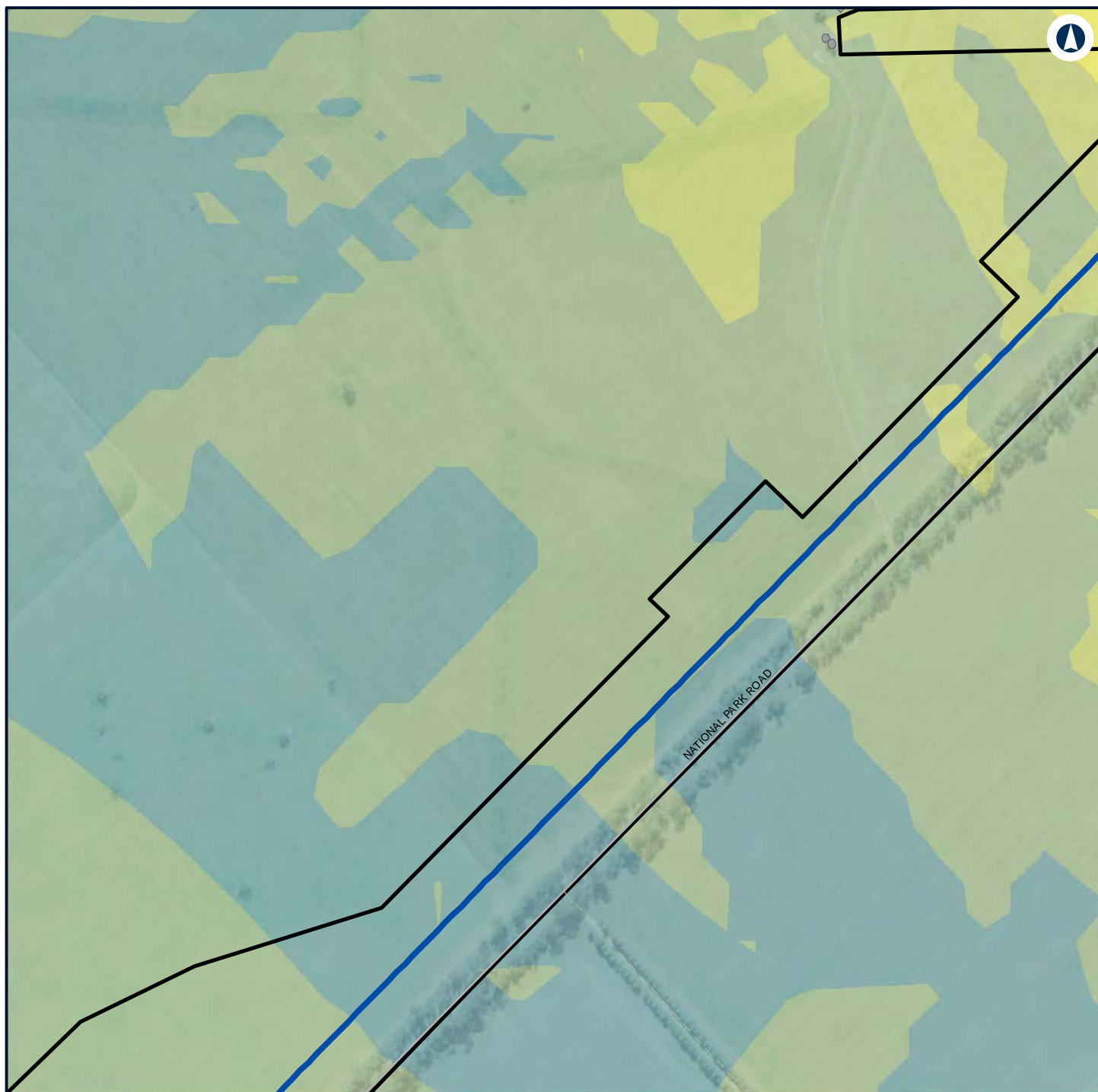
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LEGEND

- Alignment
- Construction footprint
- Other

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

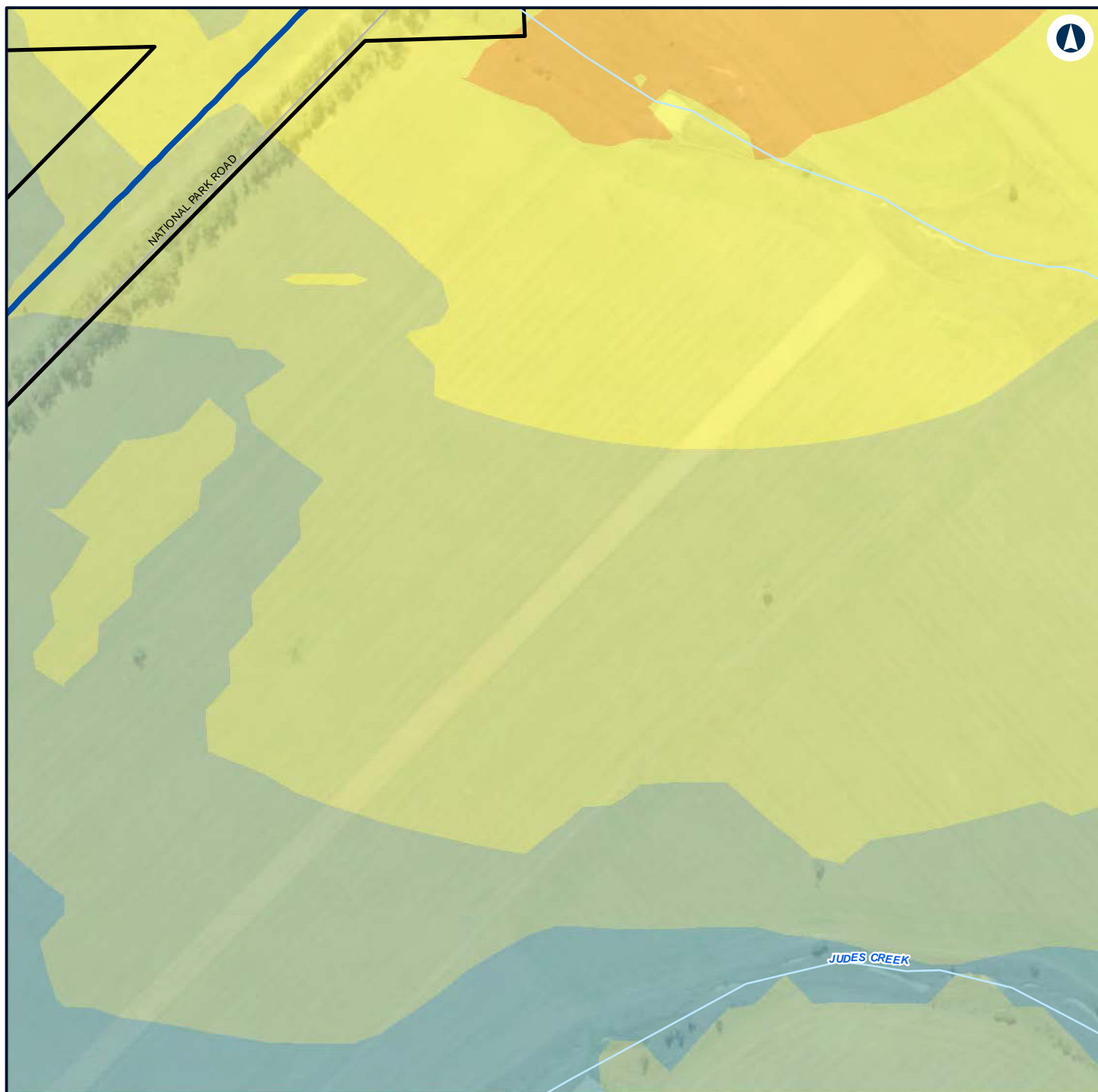
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 247 of 554

0 0.1 0.2
Km

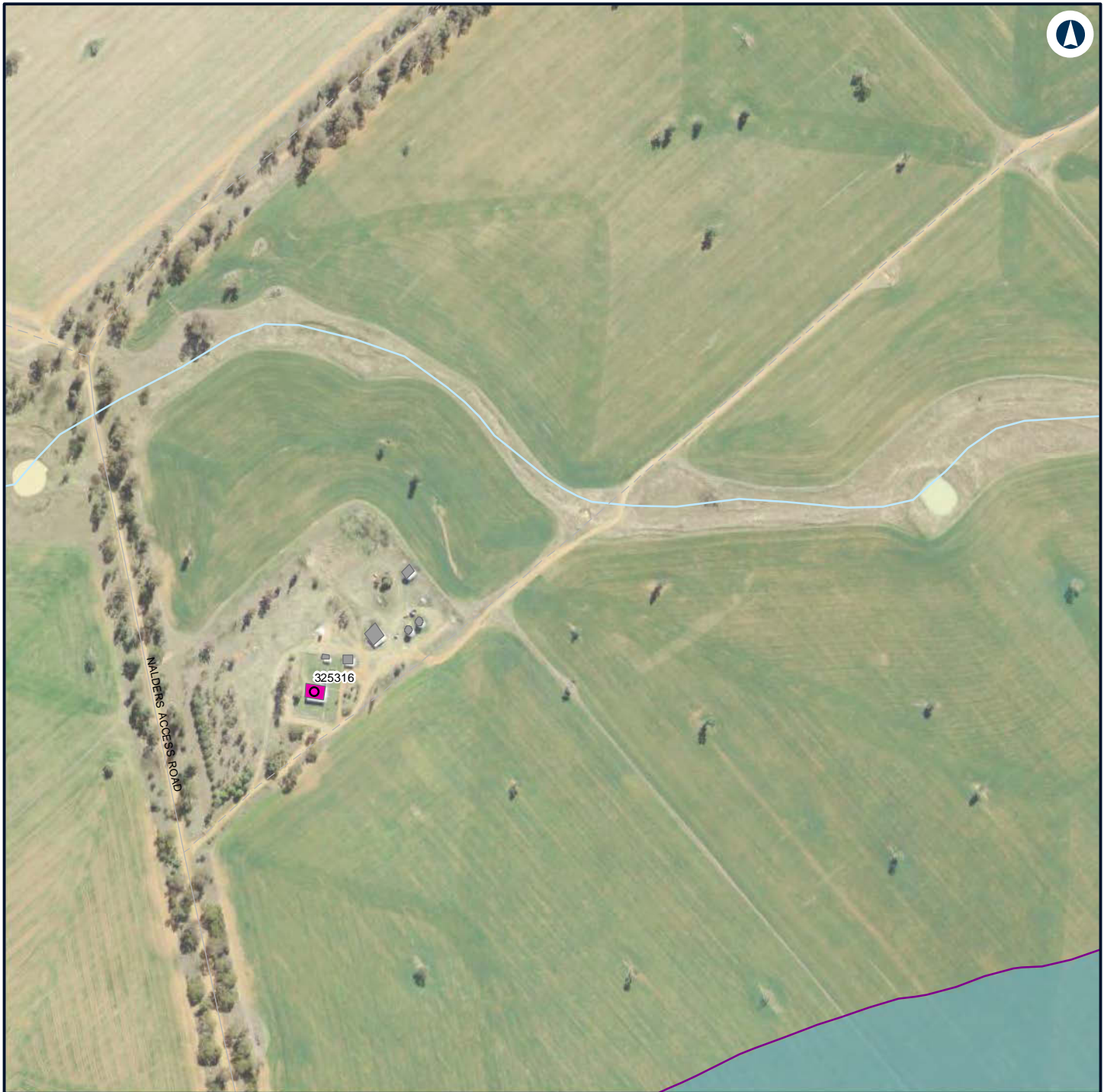
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

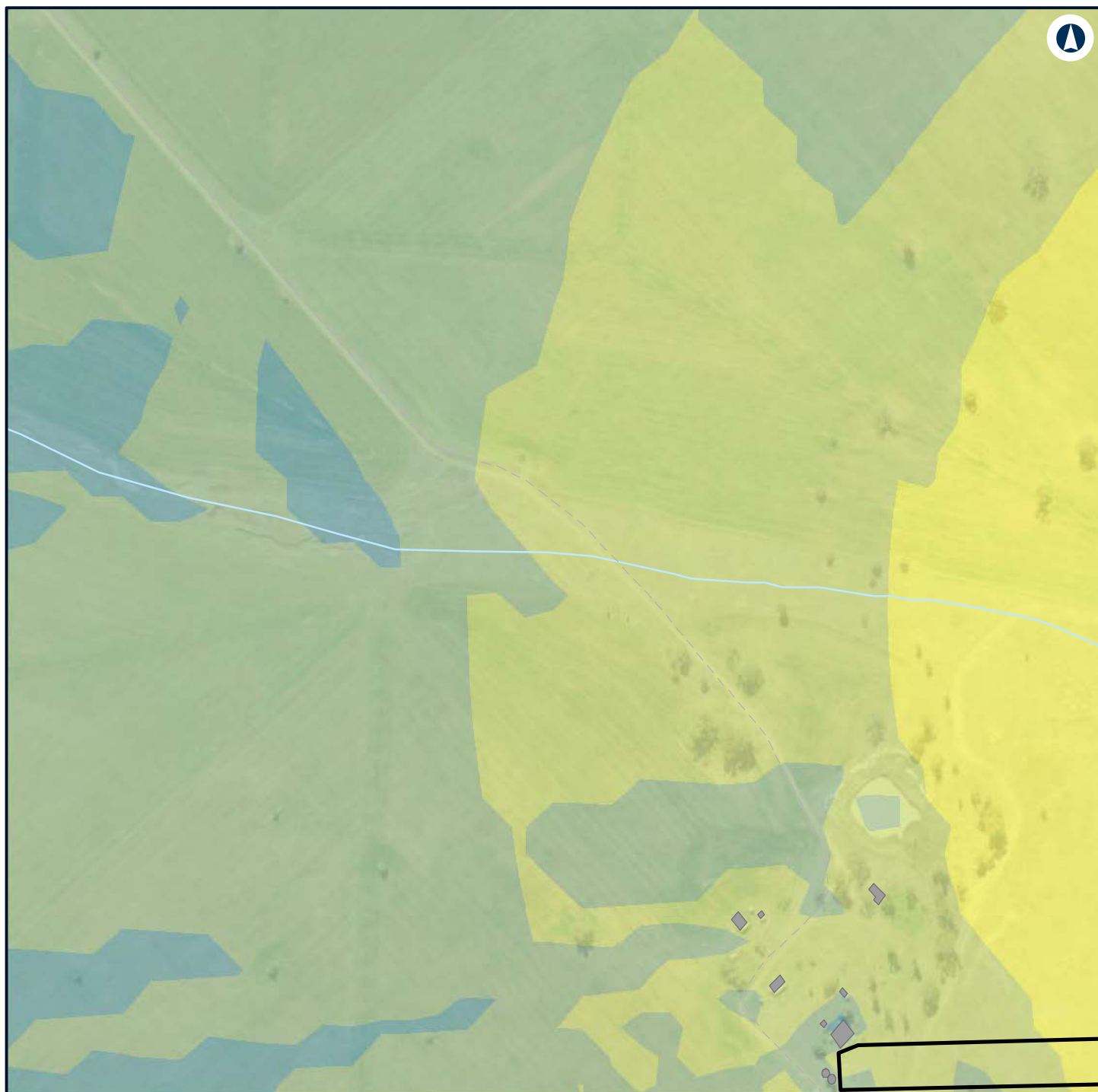
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LEGEND

Construction footprint

Other

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 249 of 554

0 0.1 0.2
Km

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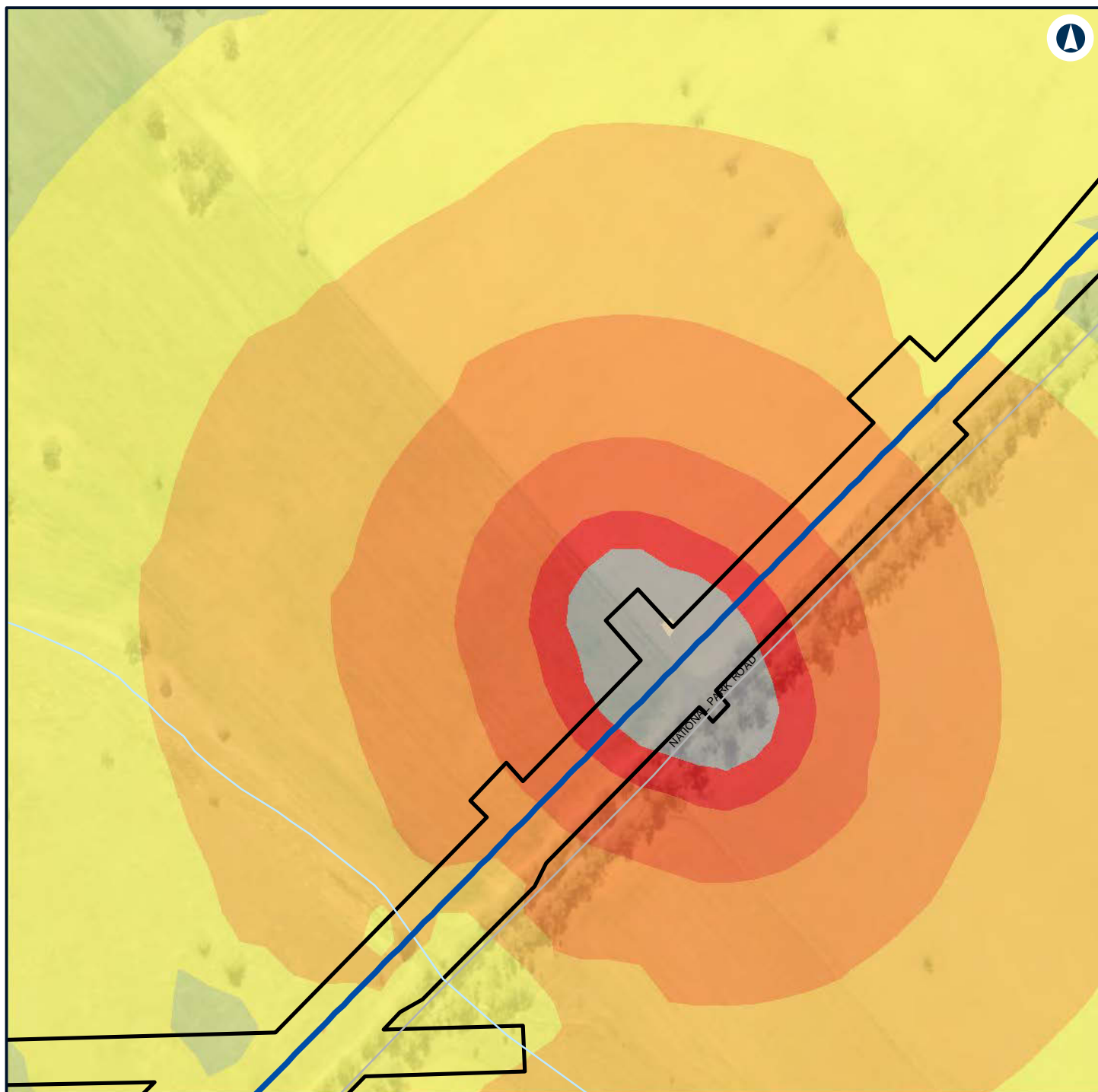
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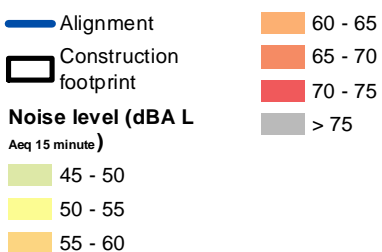
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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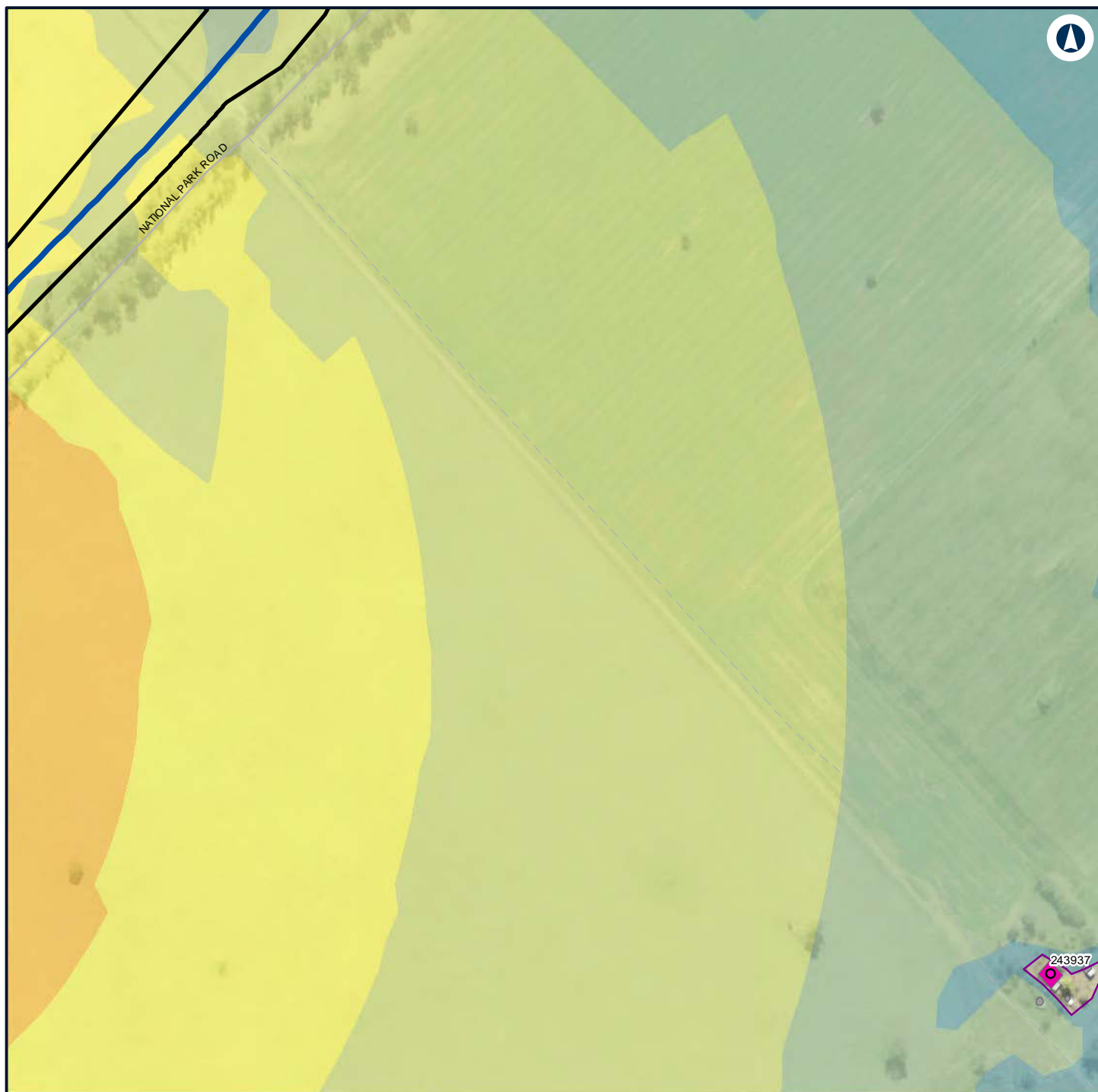
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LEGEND

- Alignment
 - Construction footprint
 - Structure type**
 - Residential
 - Other
 - Residential
 - Night-time noise management level
 - 55 - 60
- Noise level (dBA L Aeq 15 minute)**
- 35 - 40
 - 40 - 45
 - 45 - 50
 - 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 22/12/2021 Paper: A4
Author: GHD Scale: 1:5,000
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L
Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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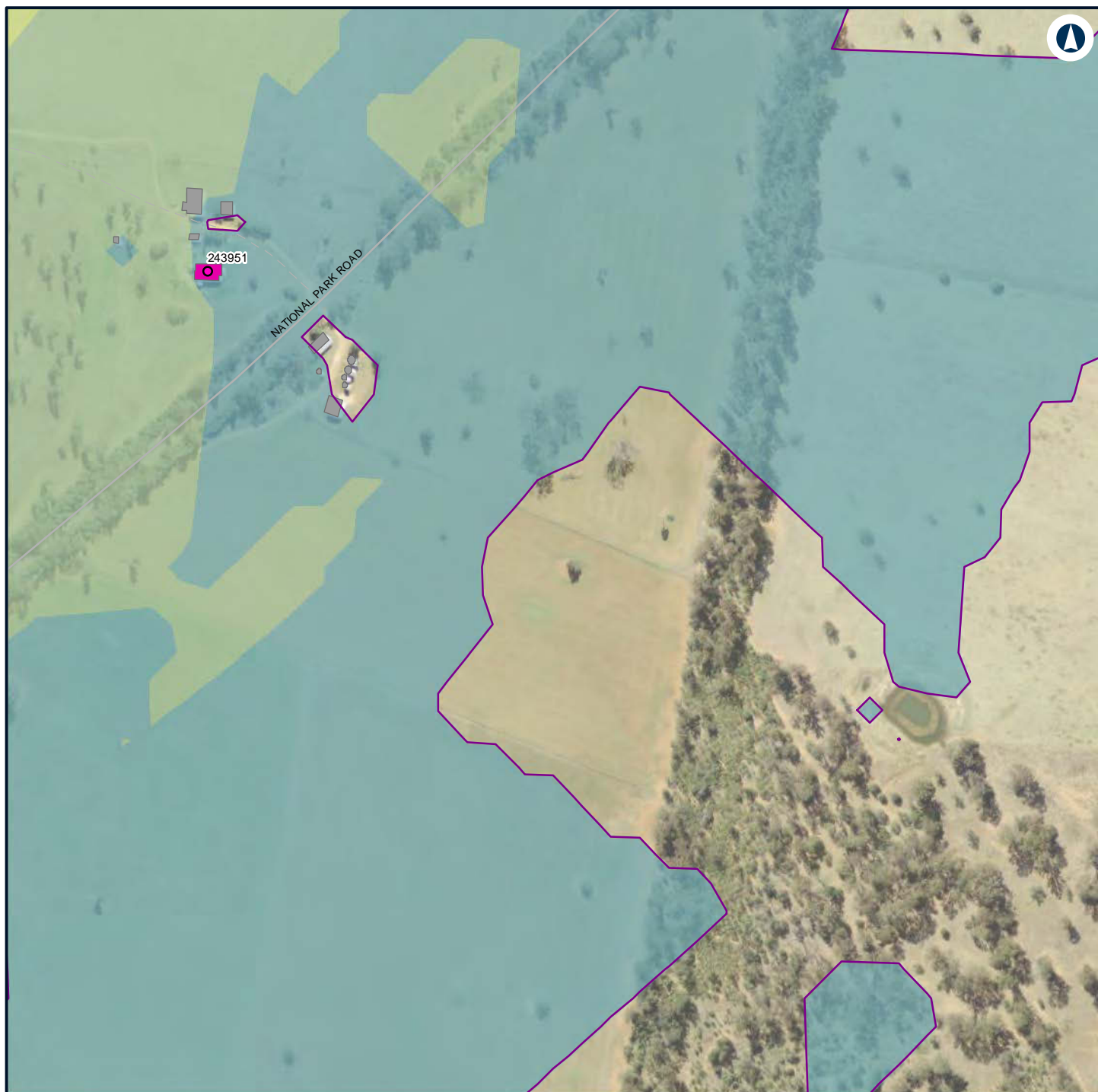
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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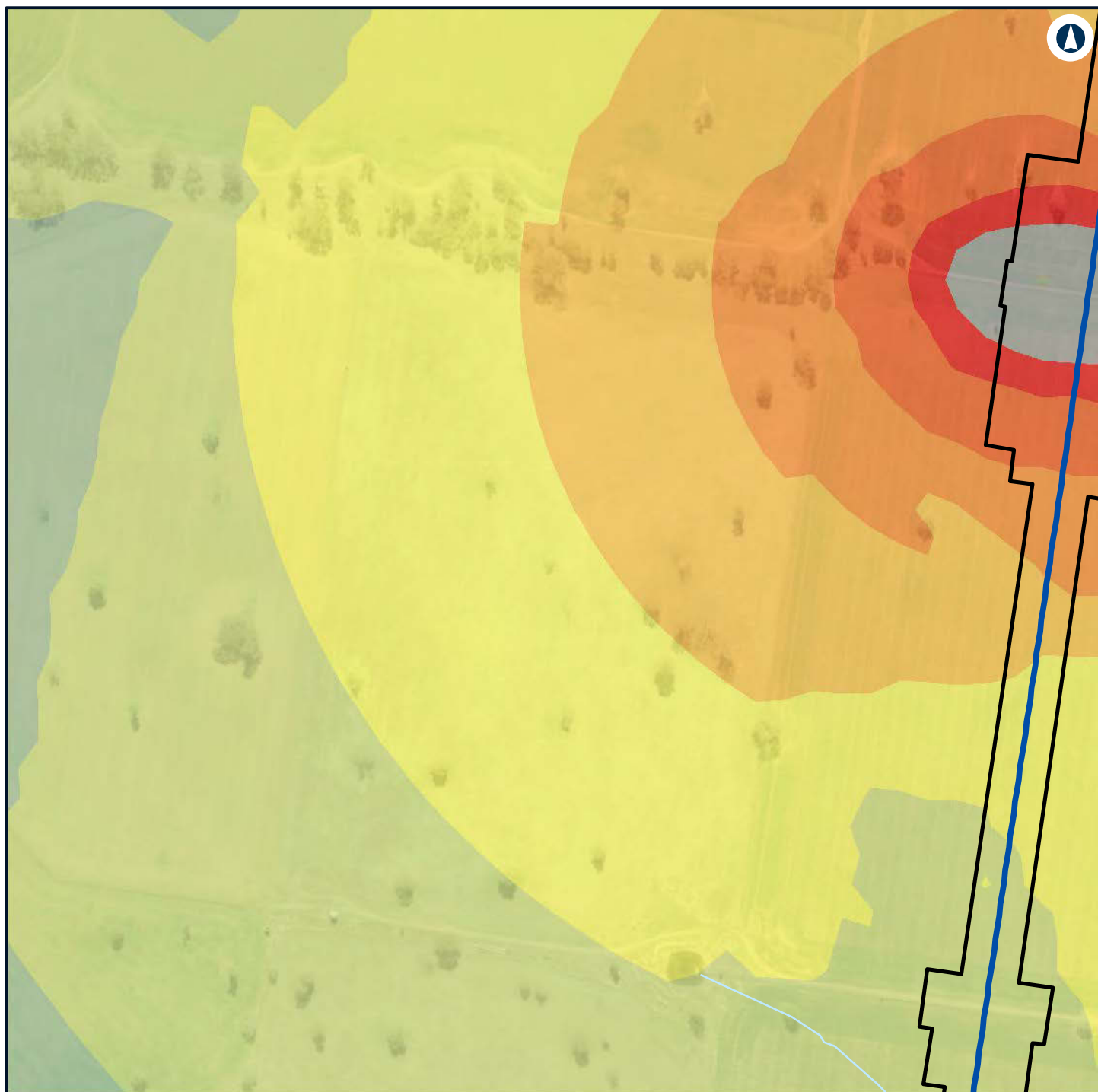
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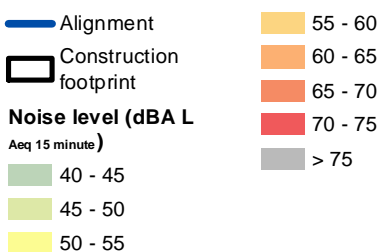
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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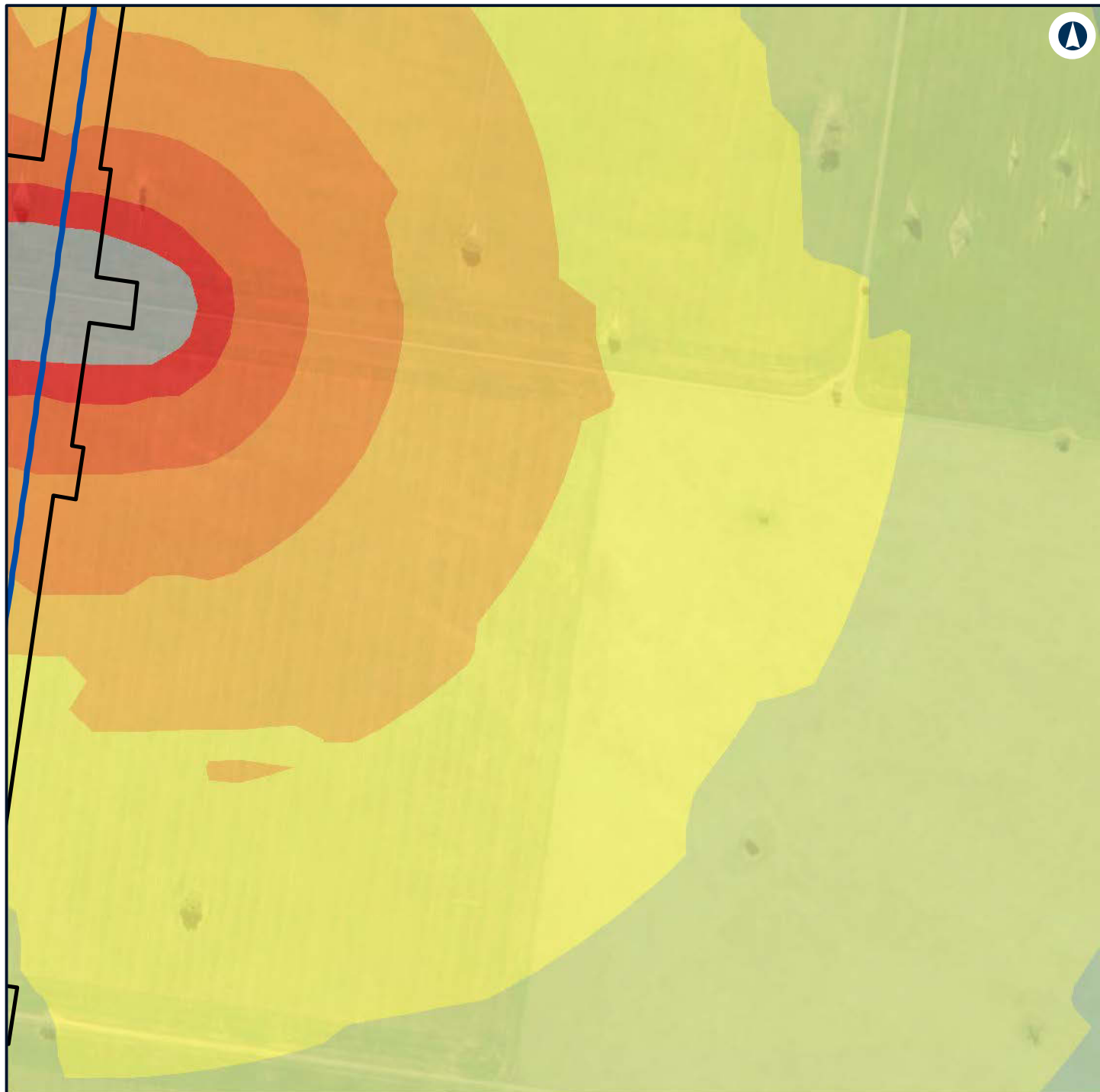
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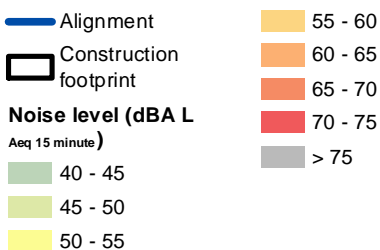
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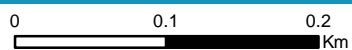
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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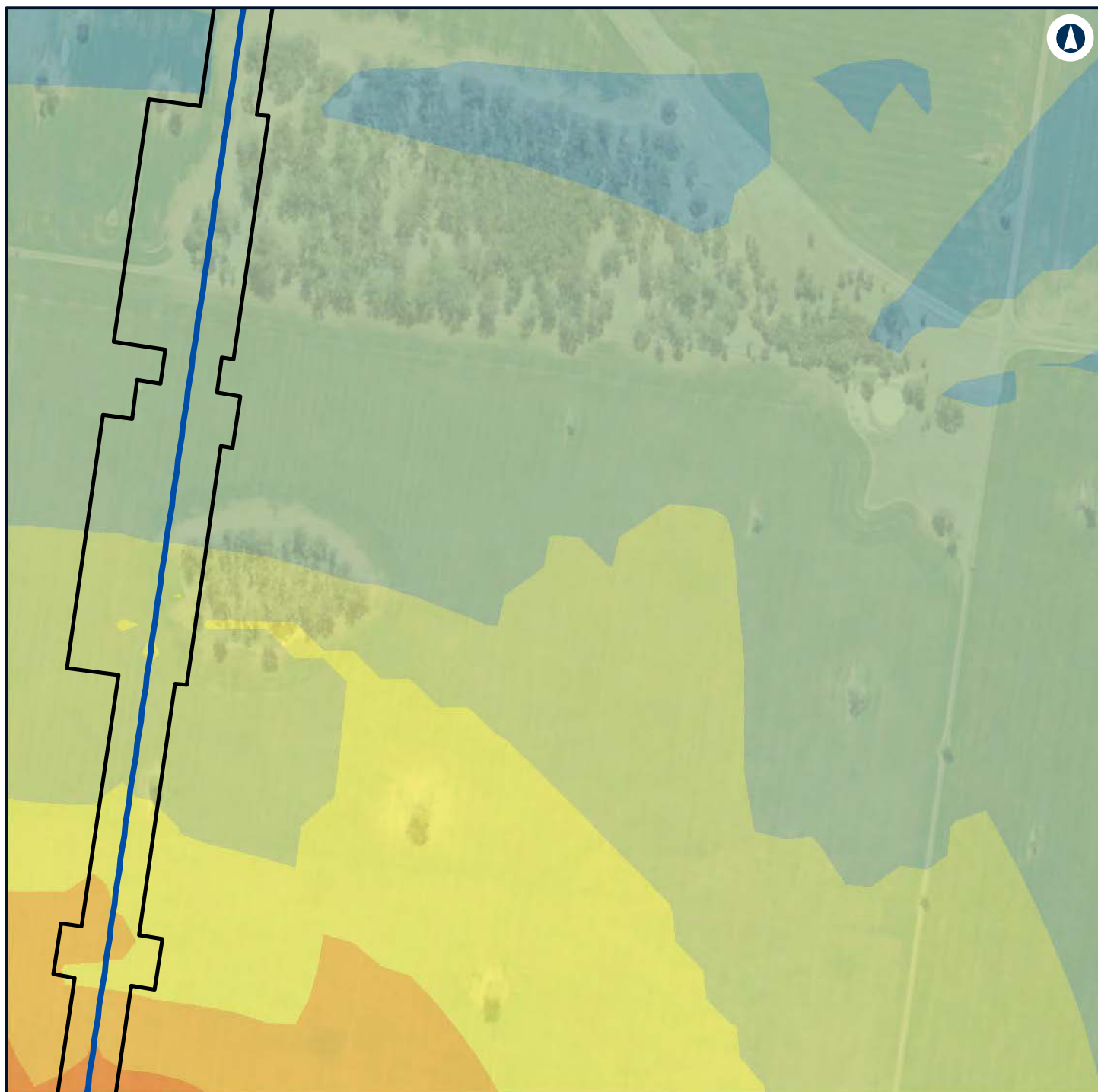
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60
- 60 - 65

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Construction footprint

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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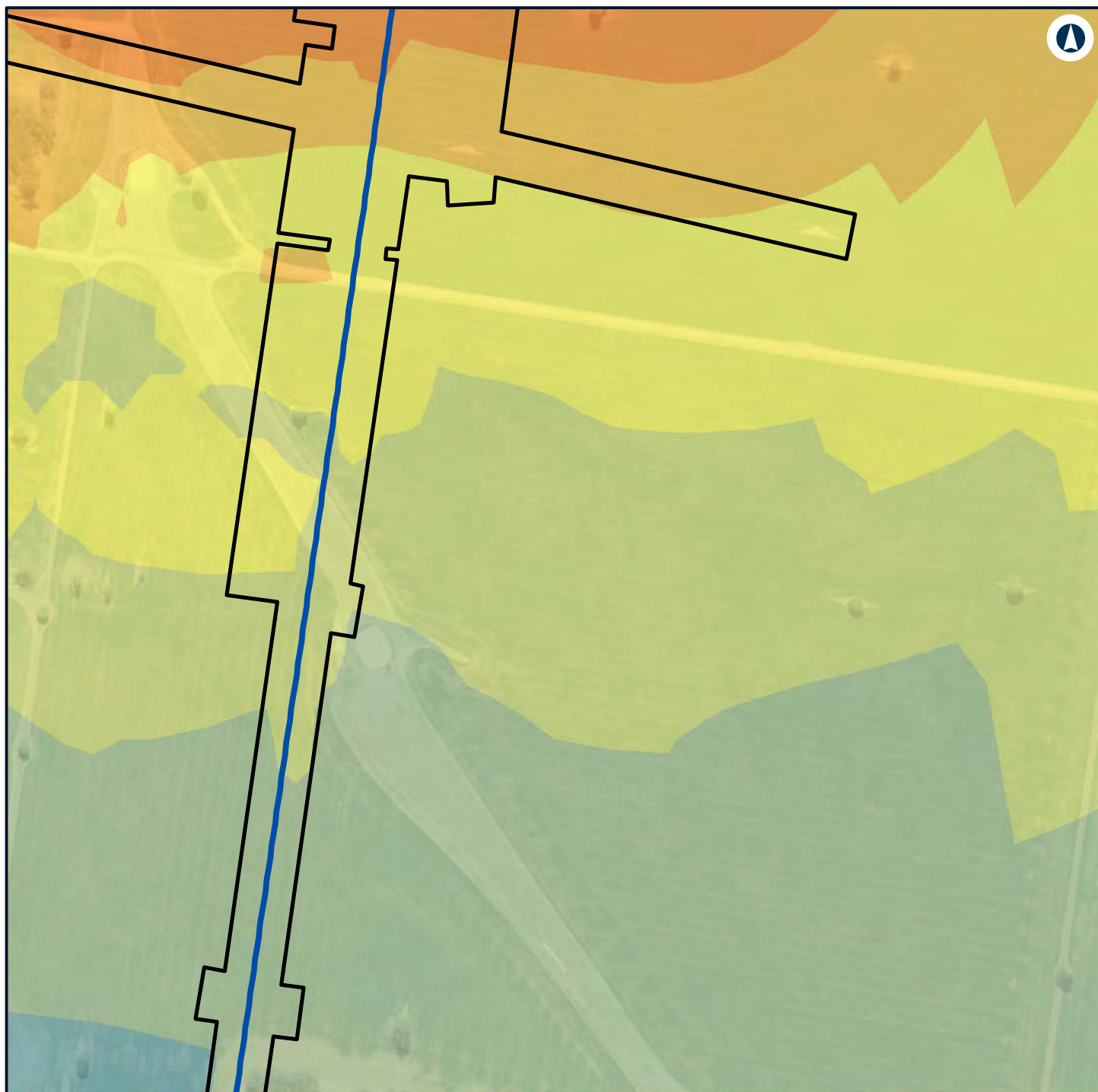
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60
- 60 - 65

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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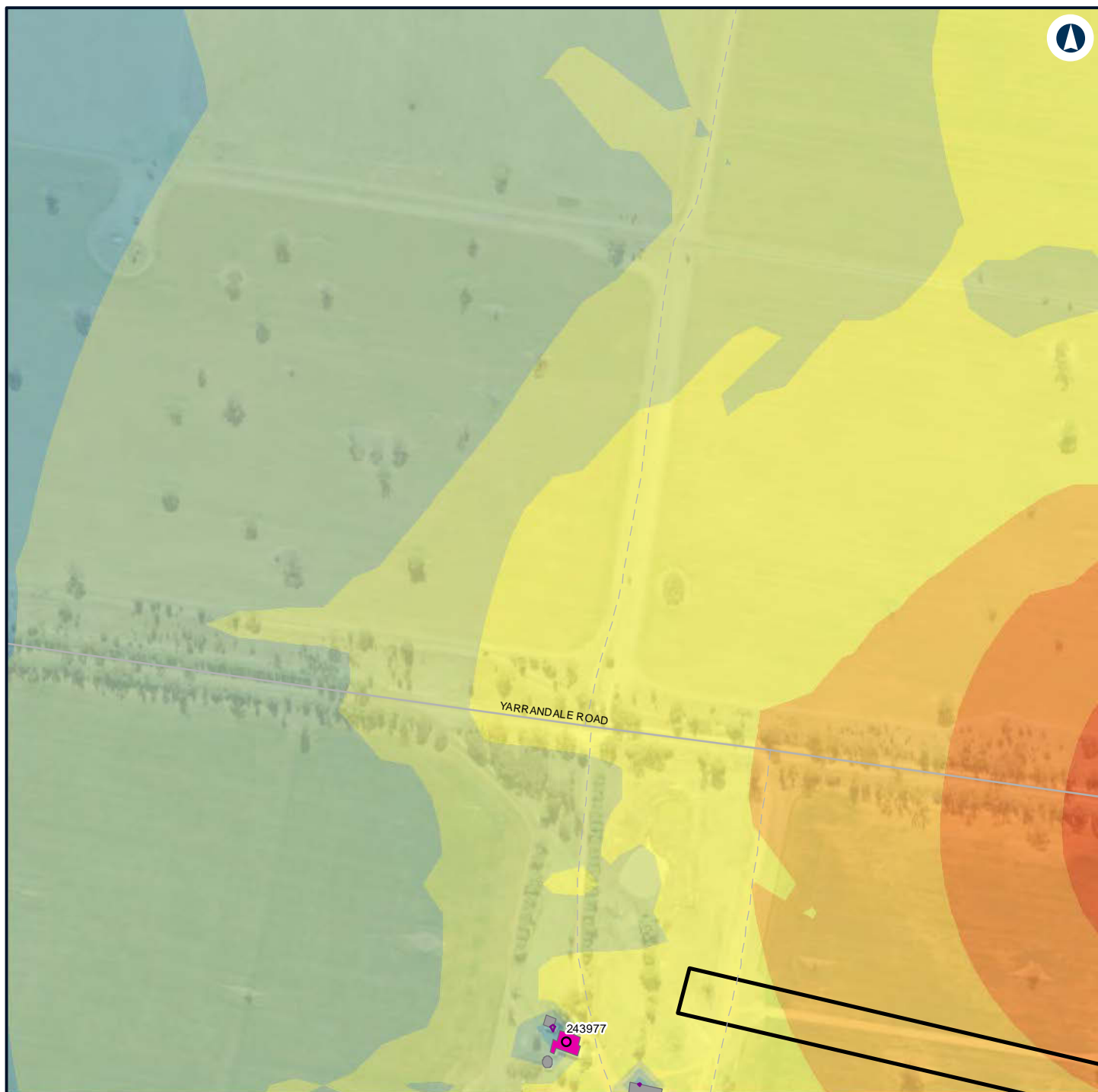
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LEGEND

Construction footprint

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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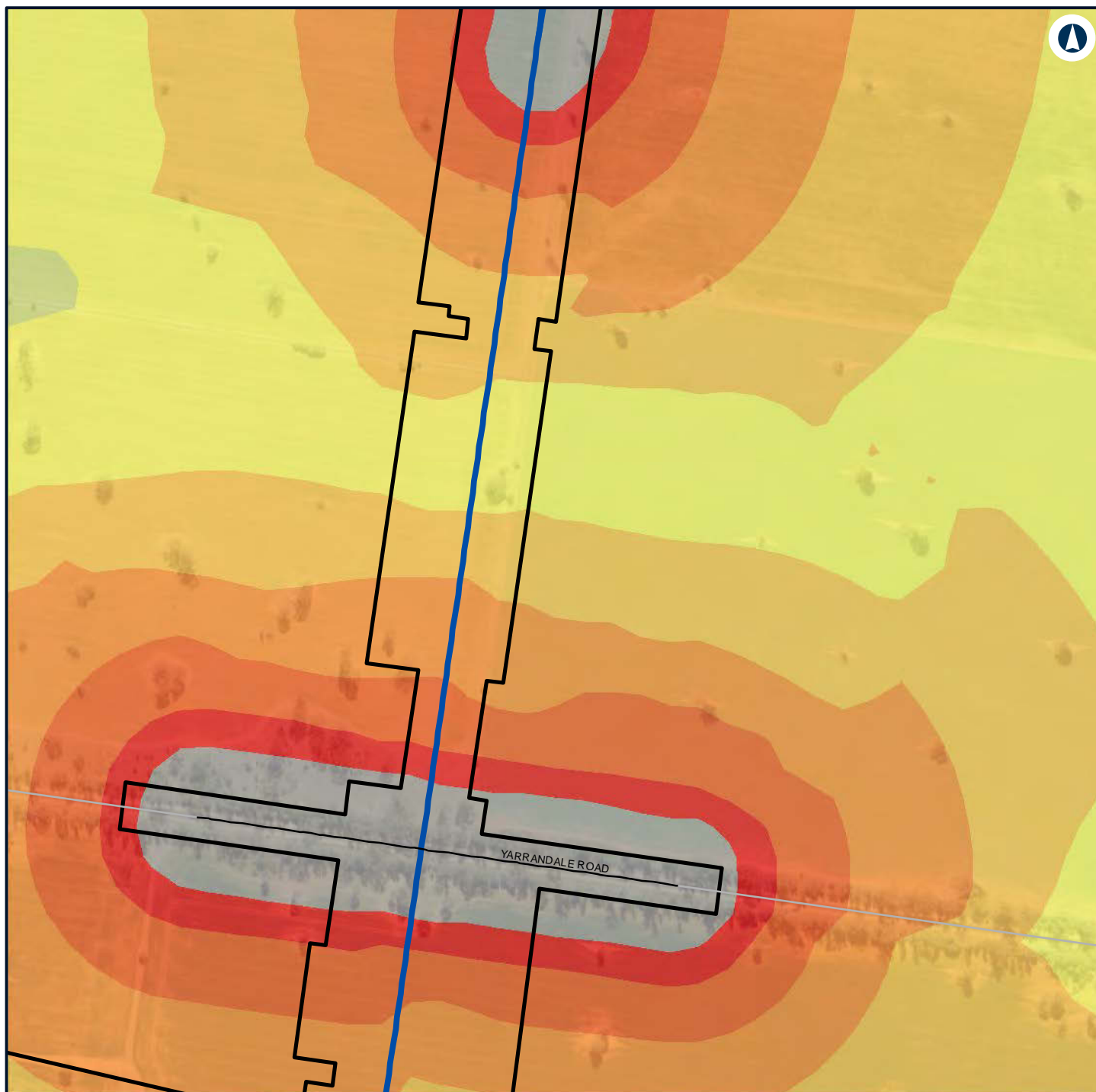
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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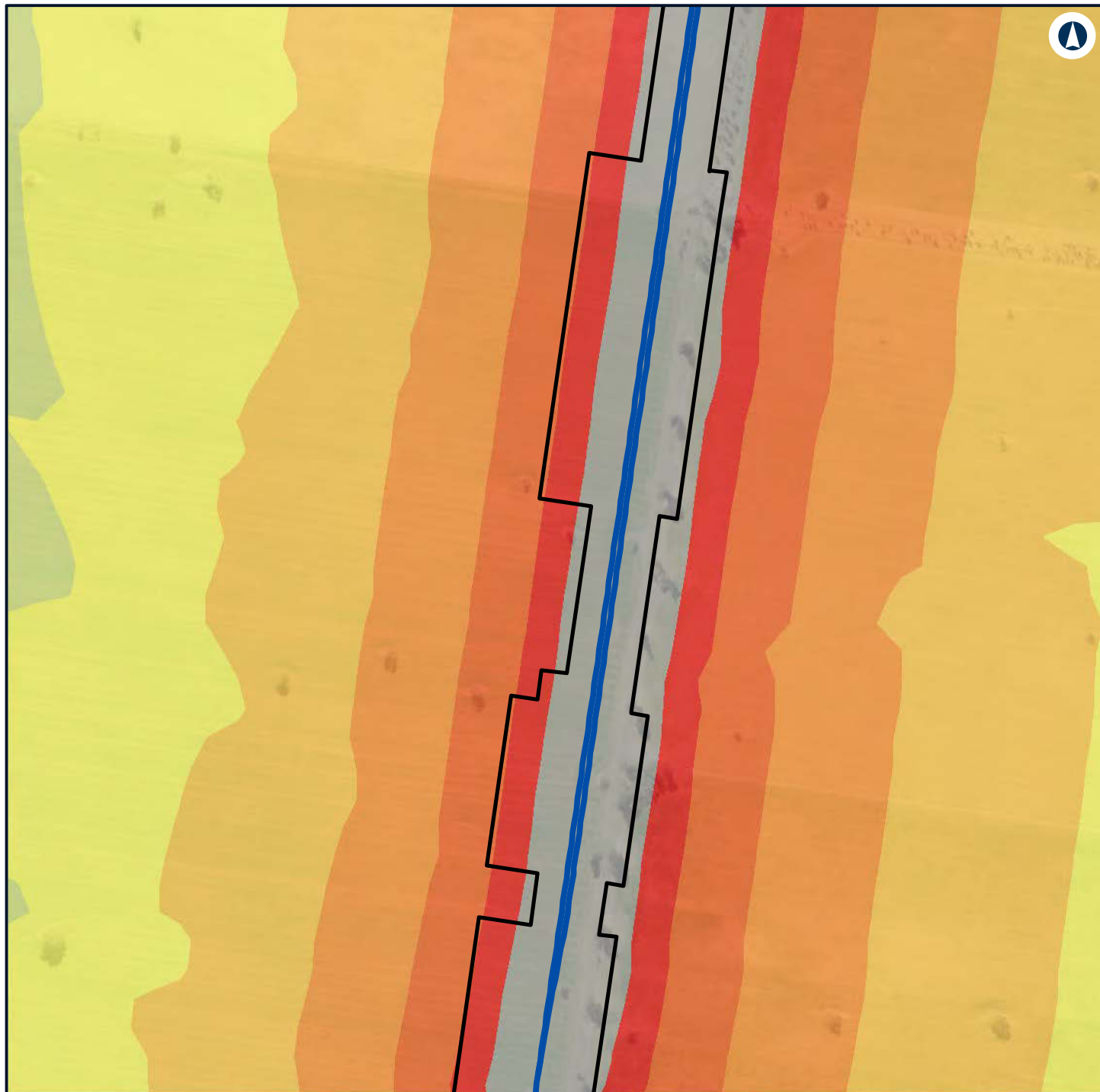
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LEGEND

- Alignment
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
 - 45 - 50
 - 50 - 55
 - 55 - 60
 - 60 - 65
 - 65 - 70
 - 70 - 75
 - > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

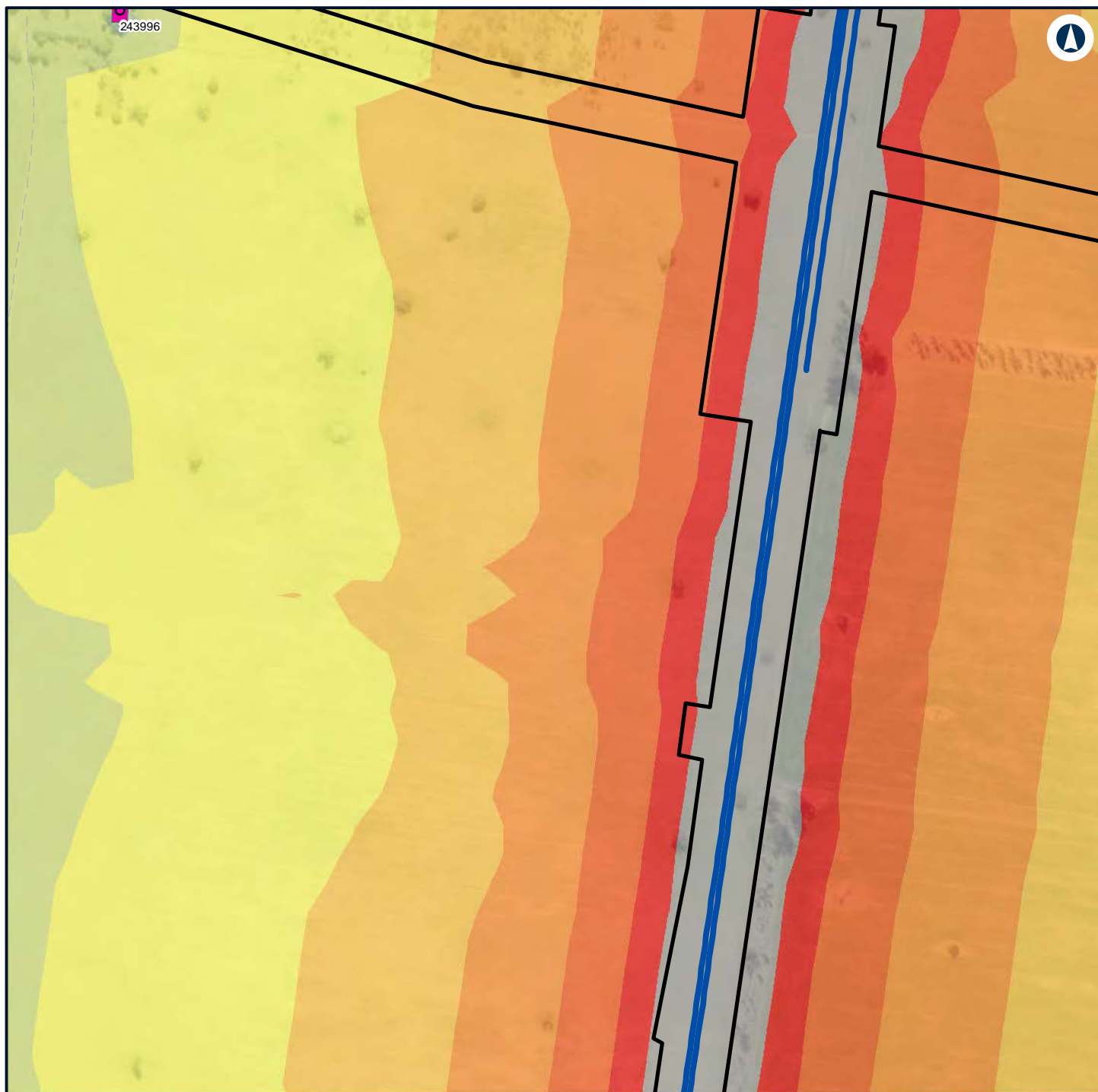
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LEGEND

Alignment

Construction footprint

Structure type

Residential

Residential

Noise level (dBA L
Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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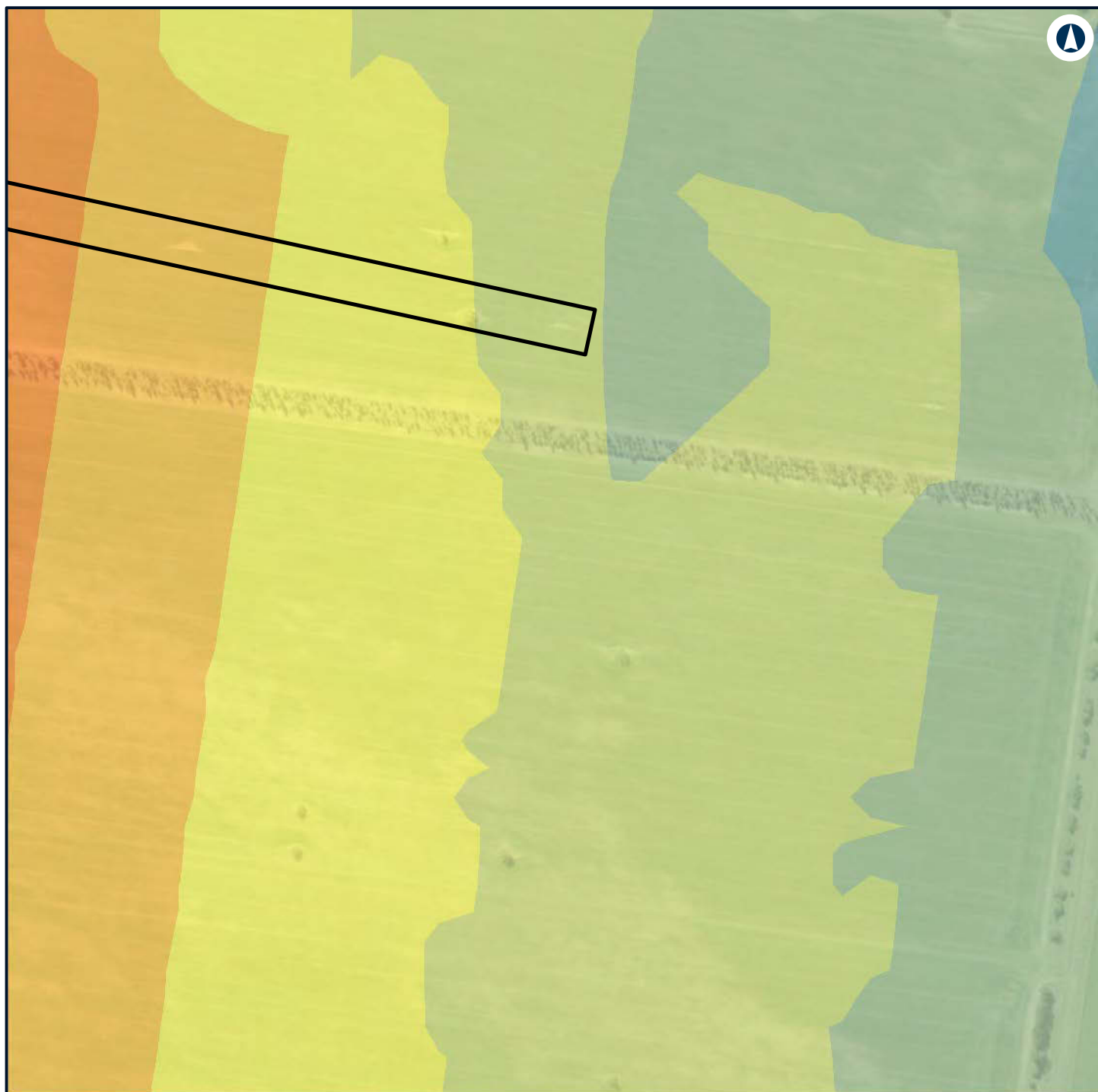
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LEGEND

Construction footprint

55 - 60
 60 - 65

Noise level (dBA L

Aeq 15 minute)

35 - 40
 40 - 45
 45 - 50
 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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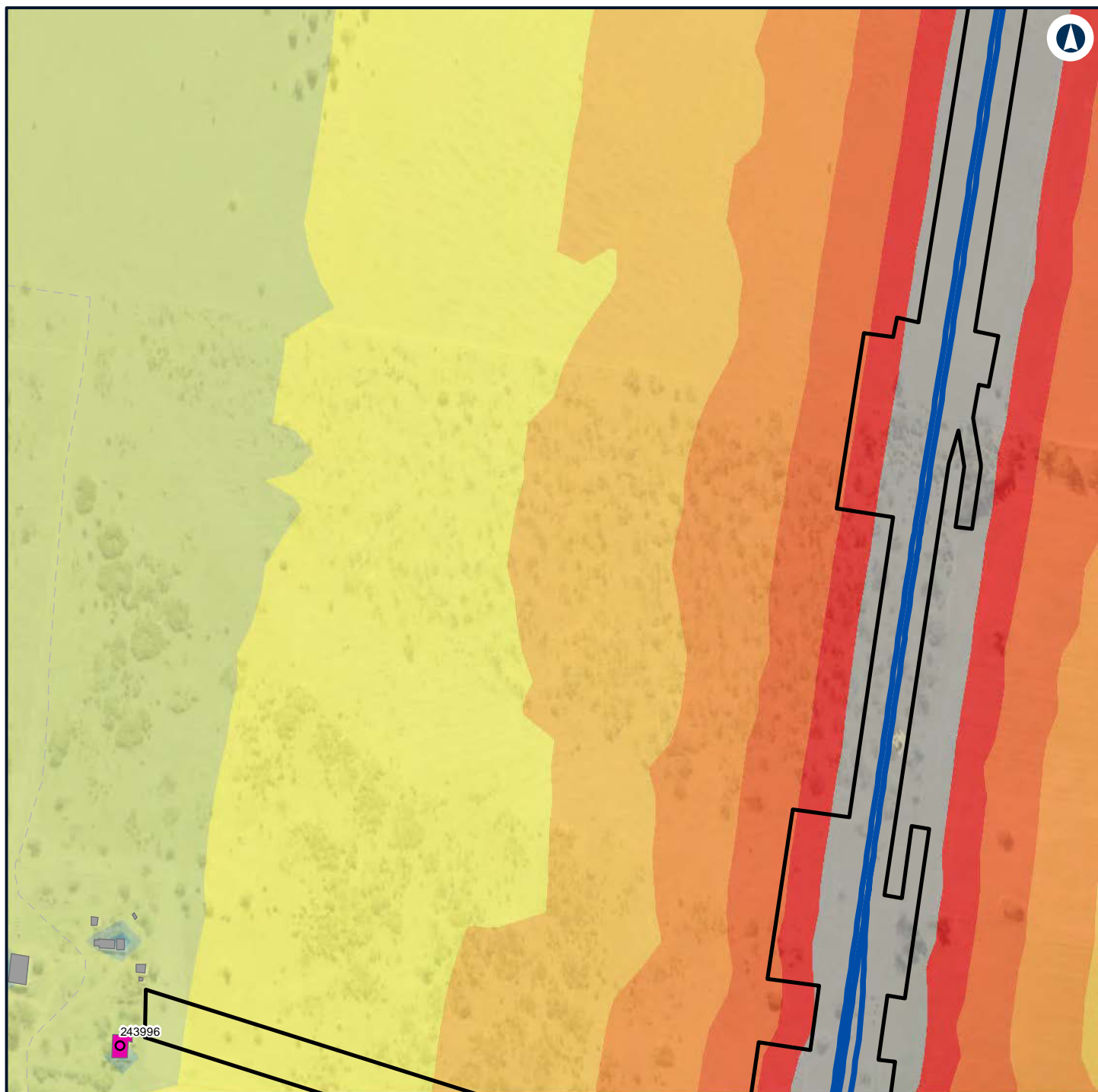
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LEGEND

Alignment

Construction footprint

Structure type

Residential

Other

Residential

Noise level (dBA L
Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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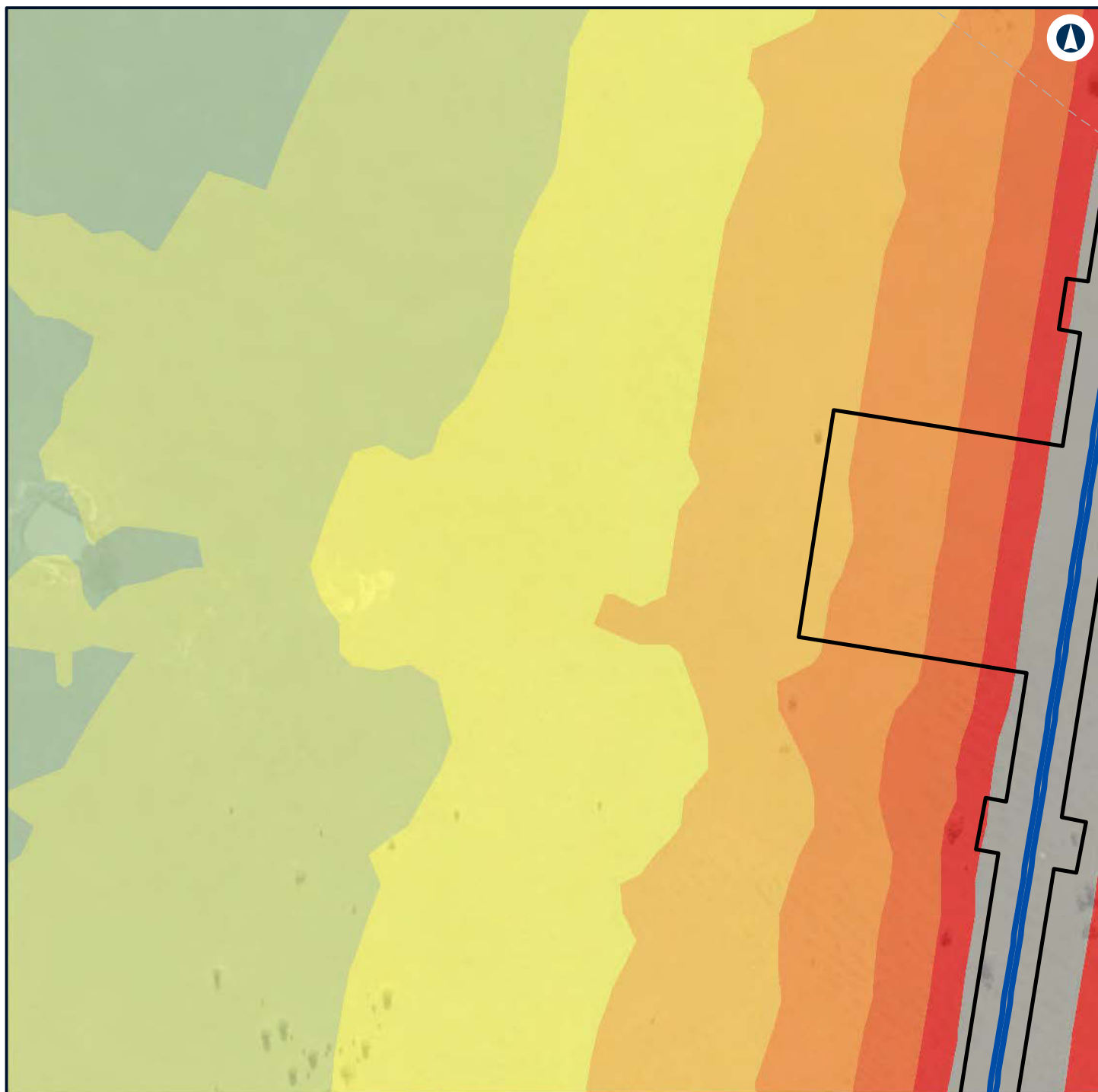
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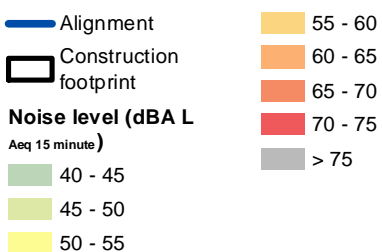
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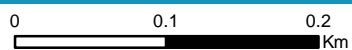
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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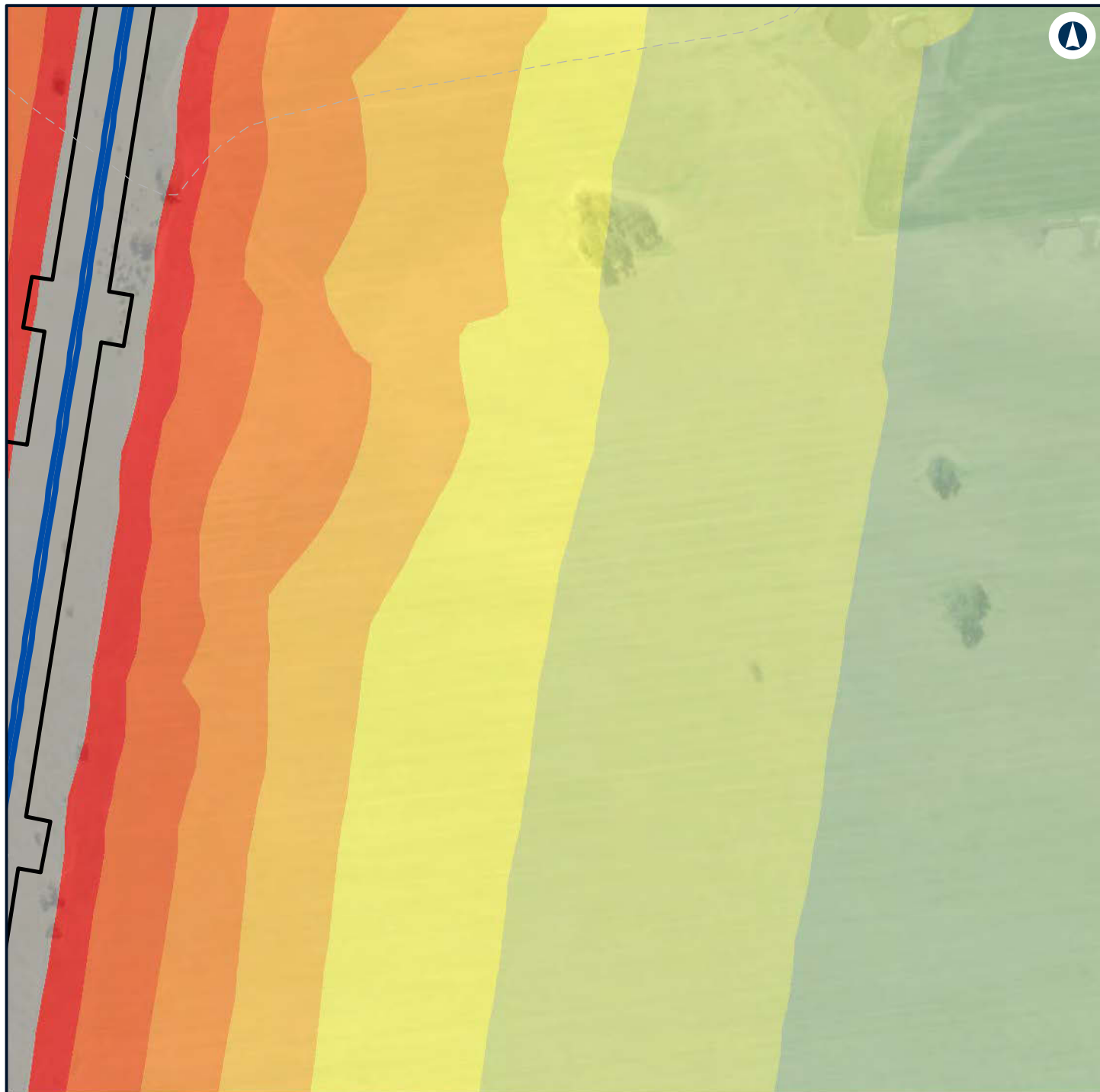
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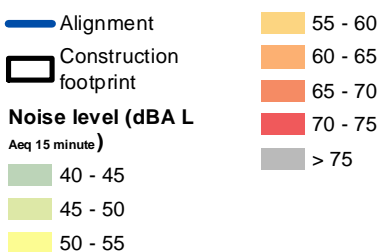
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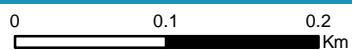
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

- Aeq 15 minute)
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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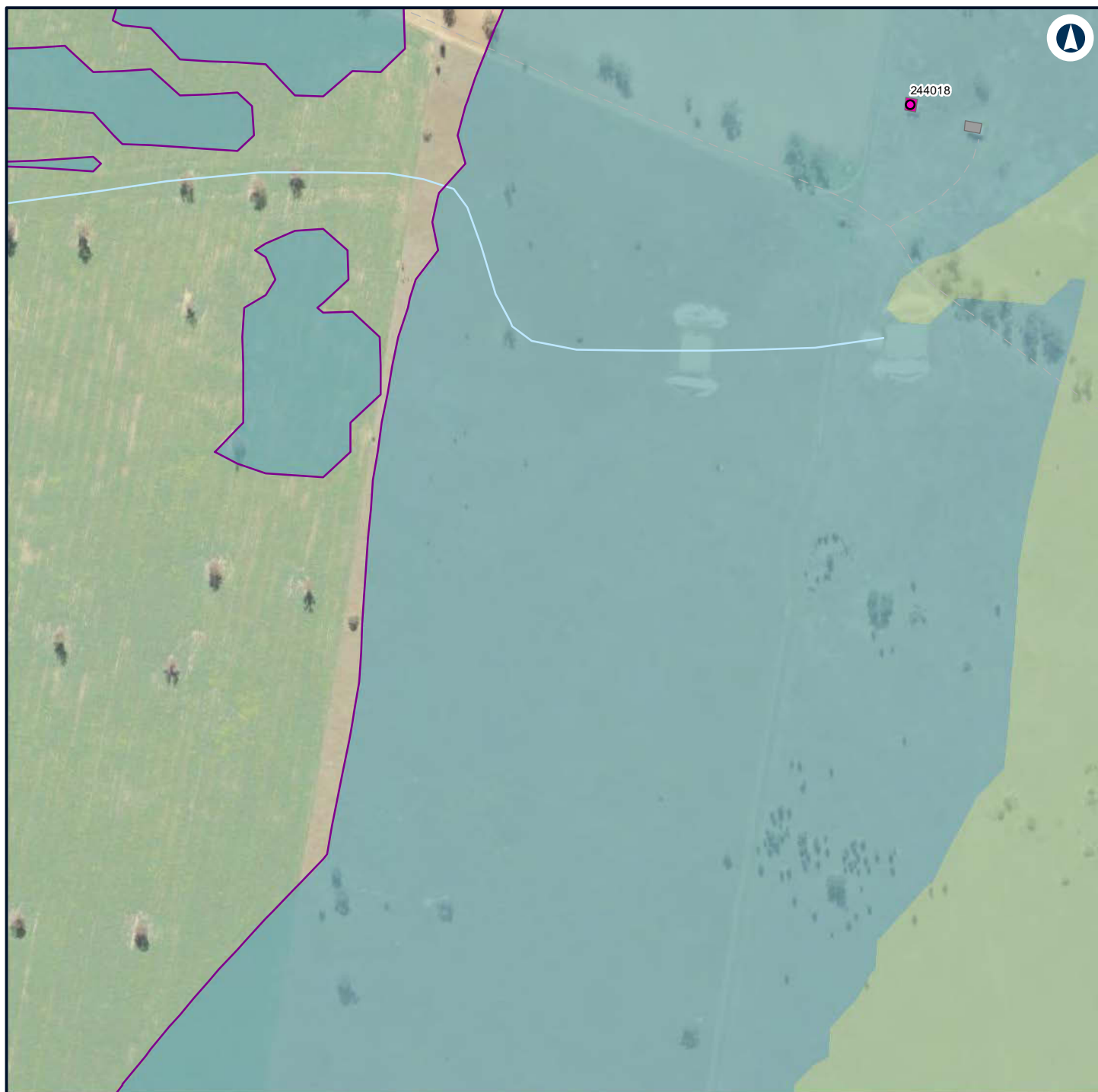
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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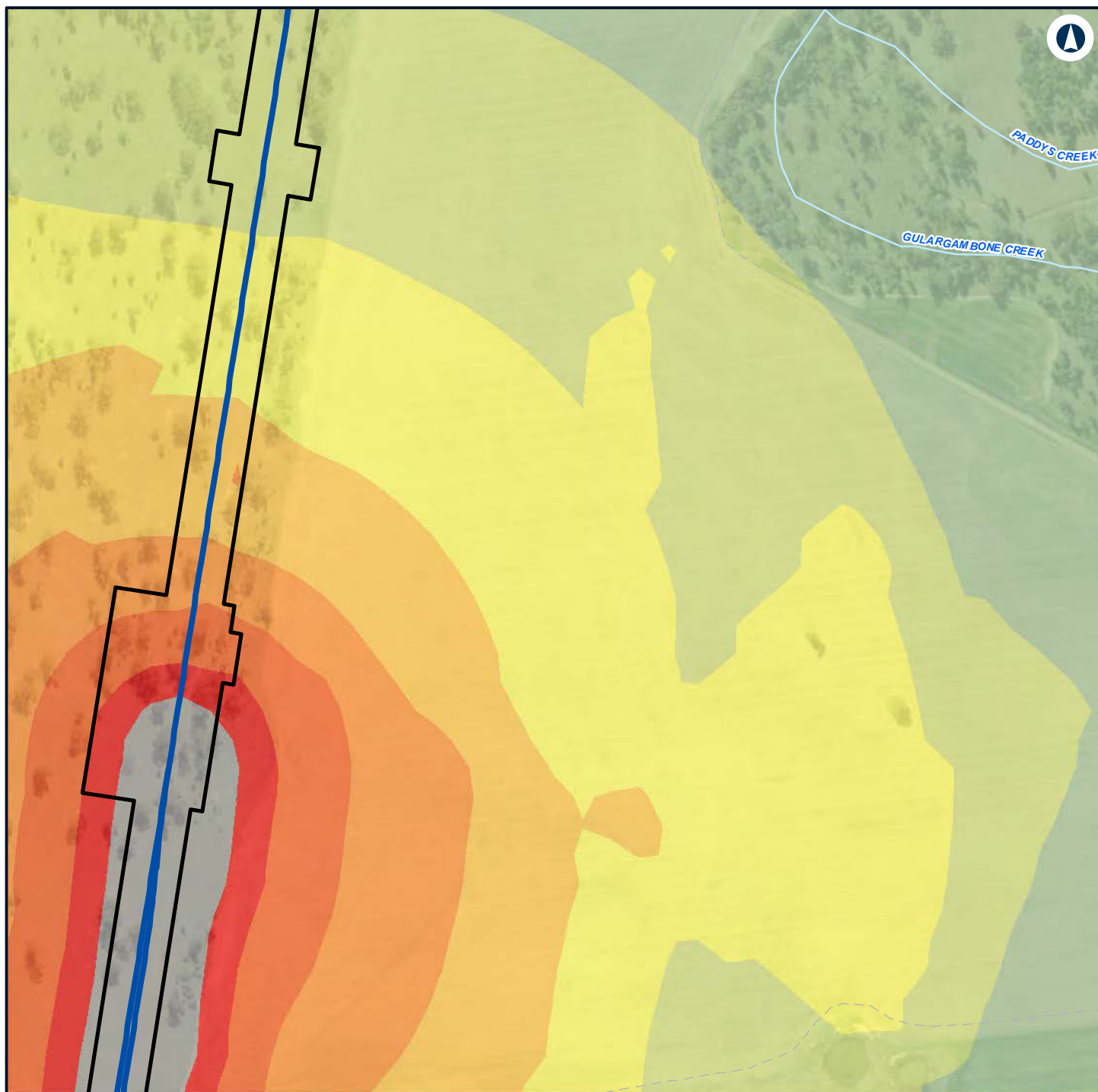
Author: GHD

Scale: 1:5,000

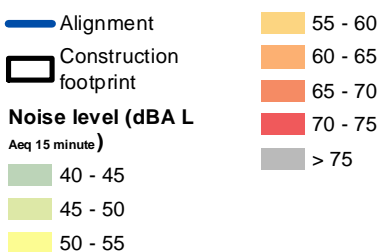
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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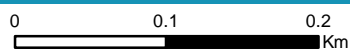
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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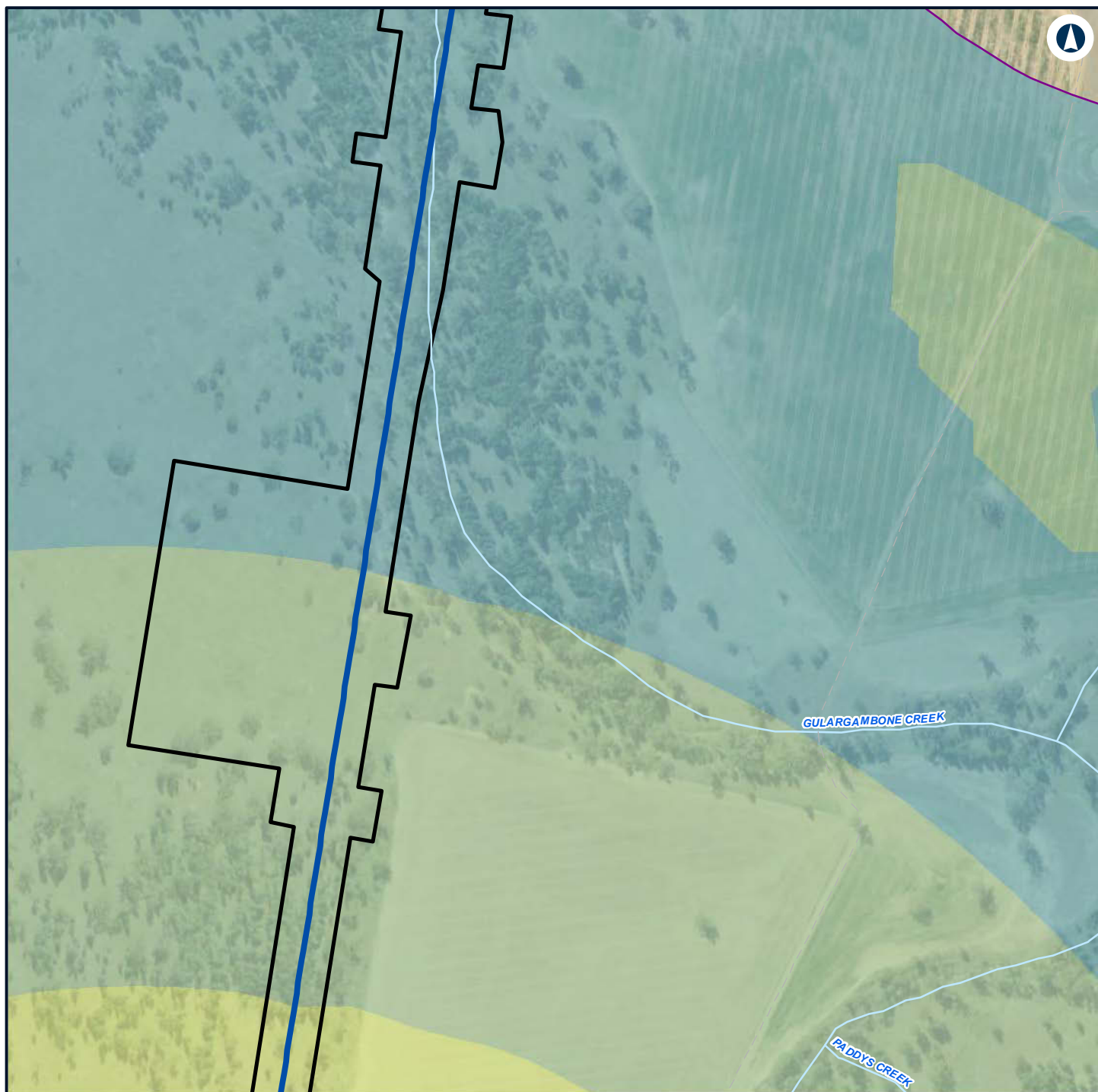
Coordinate System: GDA 1994 MGA Zone 55

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 Author: GHD Scale: 1:5,000
 Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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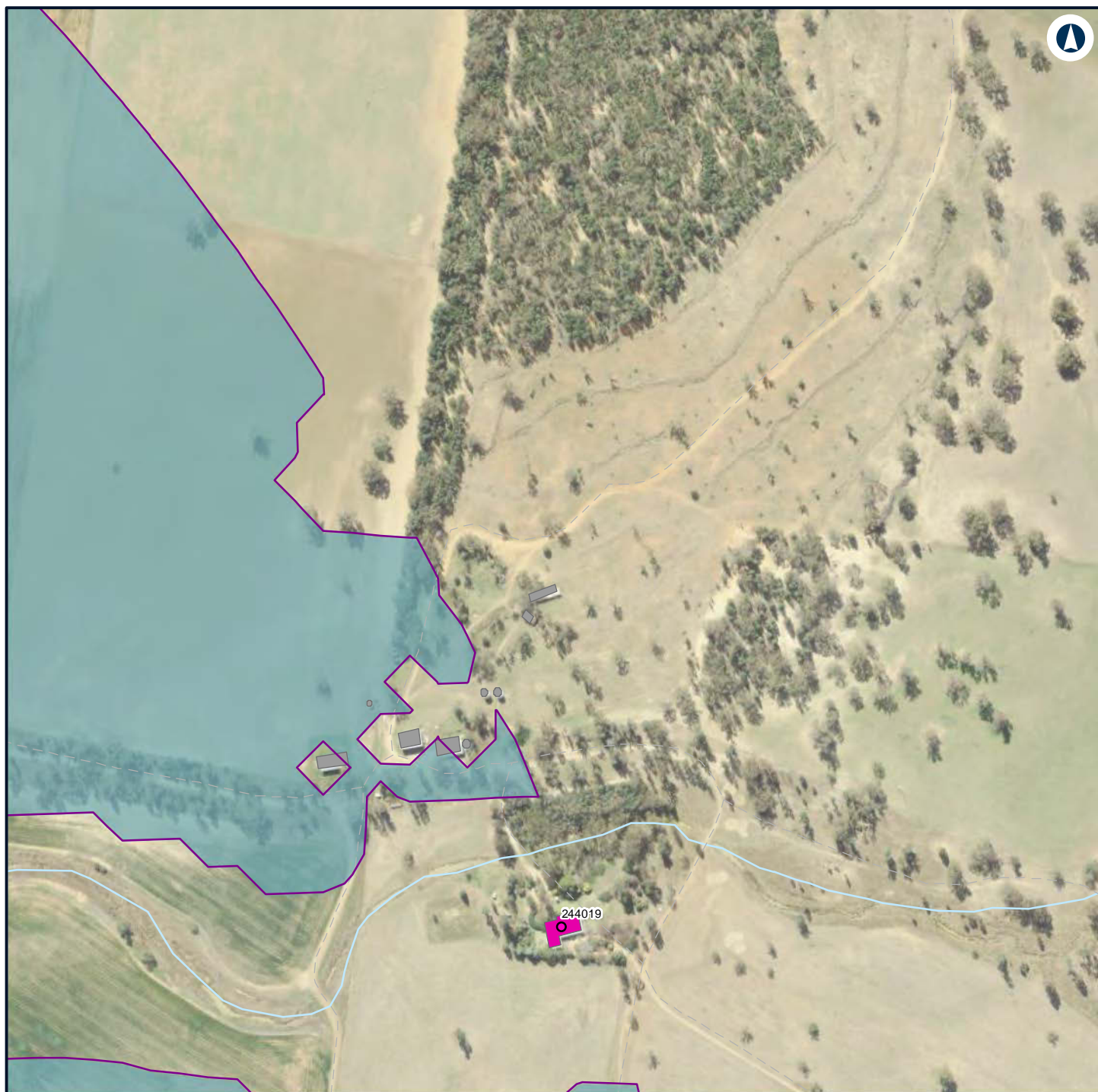
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

— 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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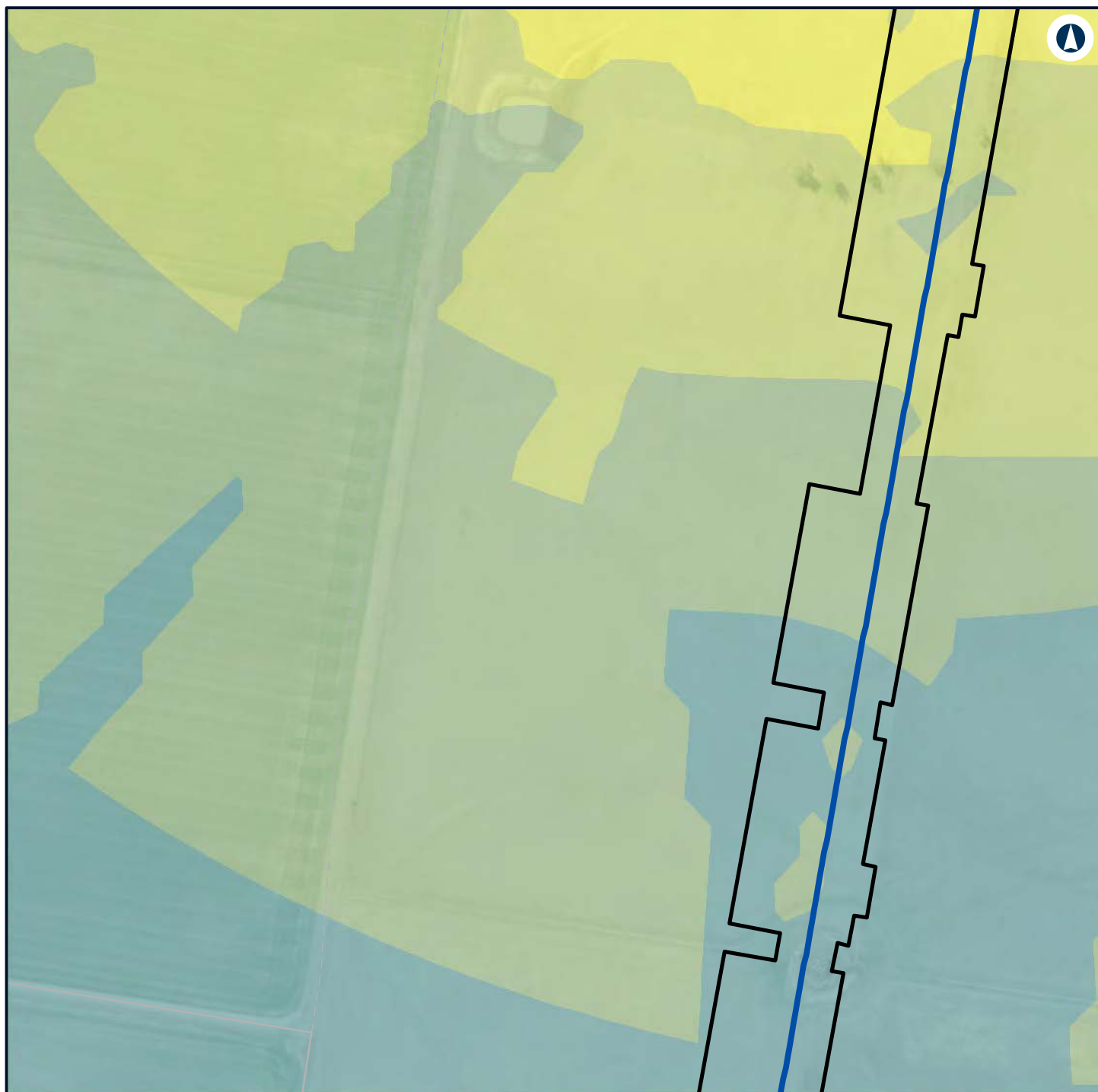
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

— Alignment 50 - 55

□ Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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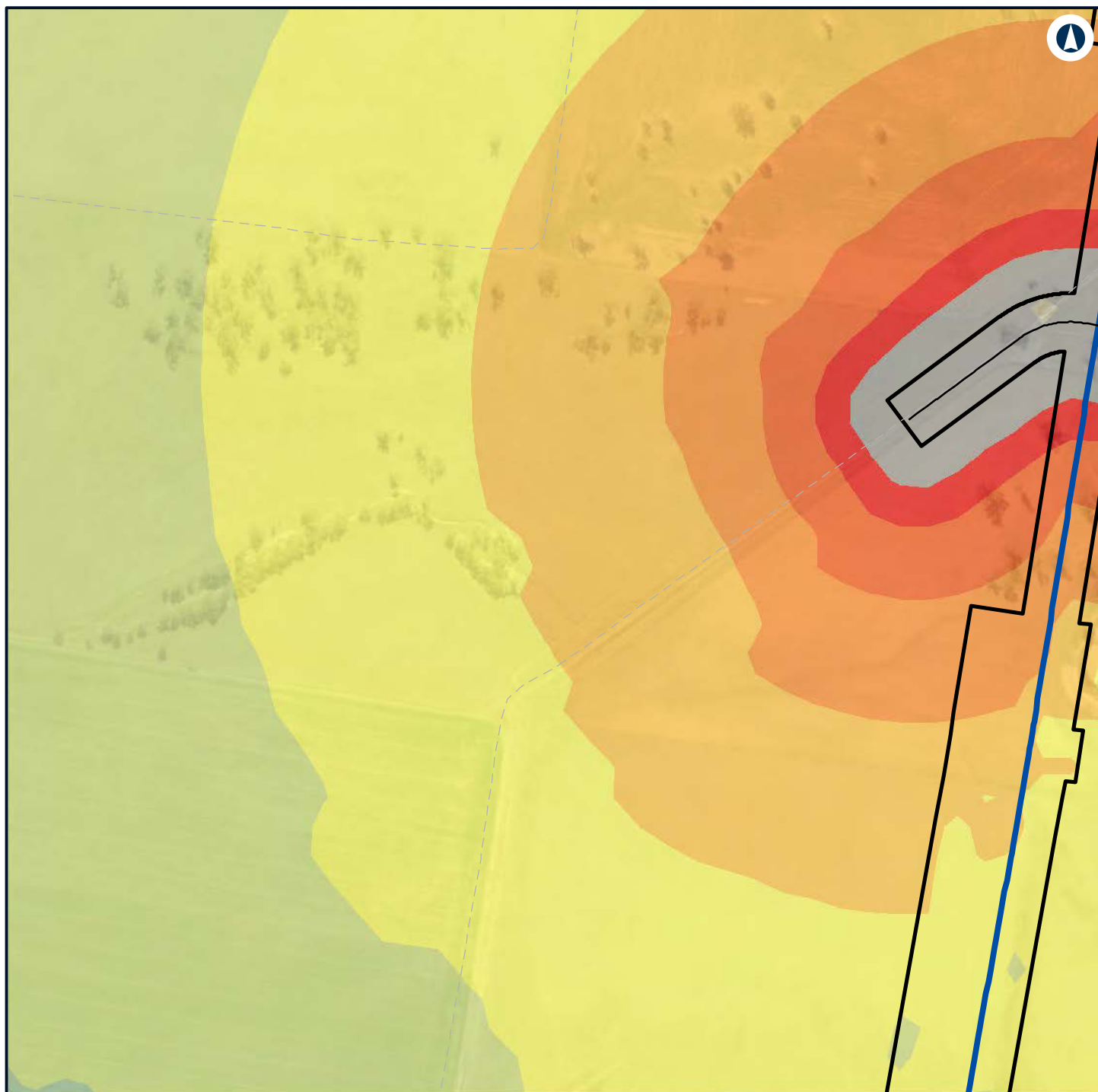
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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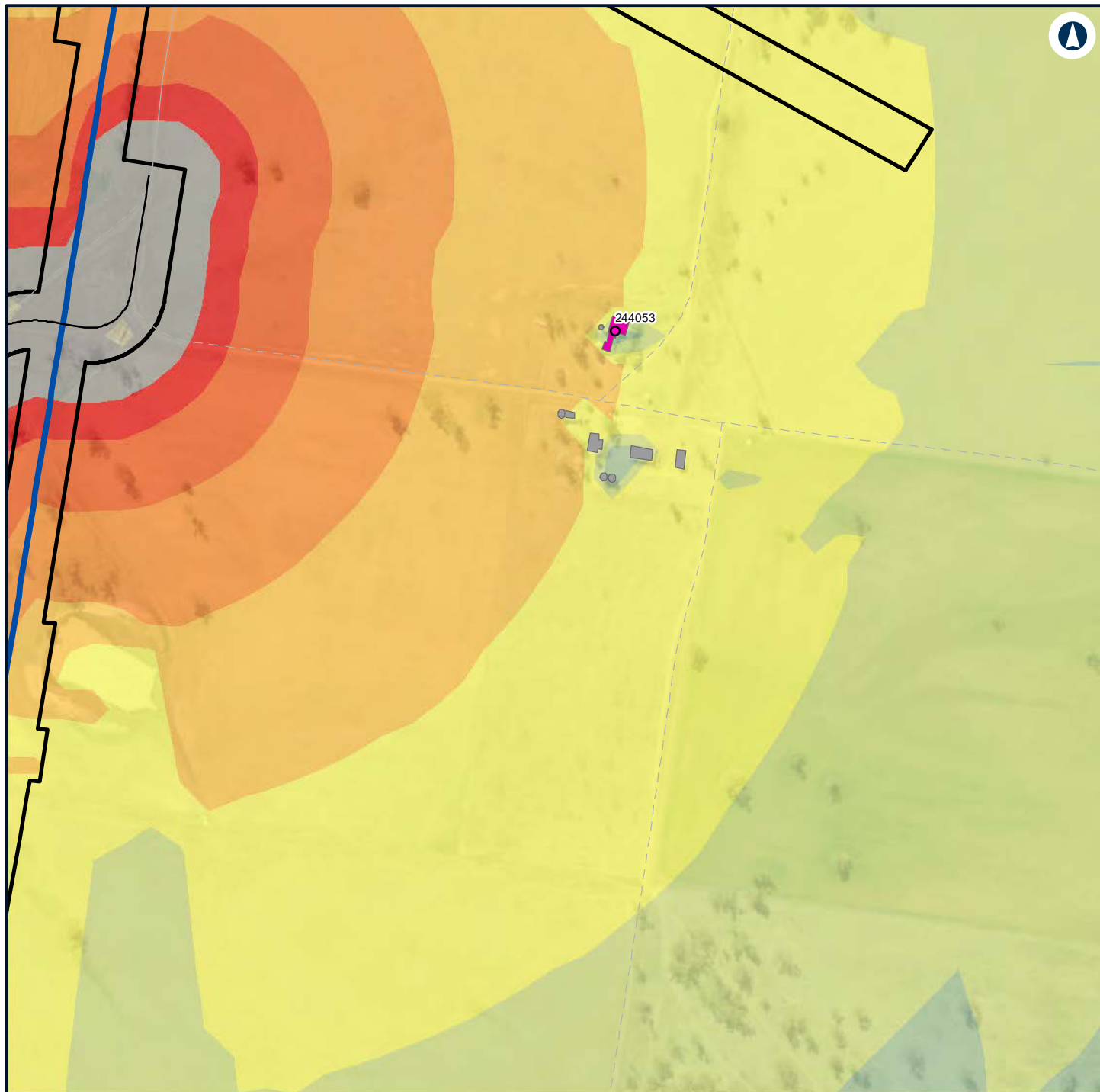
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	Residential	60 - 65
Road design string	Noise level (dBA L Aeq 15 minute)	65 - 70
Construction footprint	40 - 45	70 - 75
Structure type	45 - 50	> 75
Residential	50 - 55	
Other	55 - 60	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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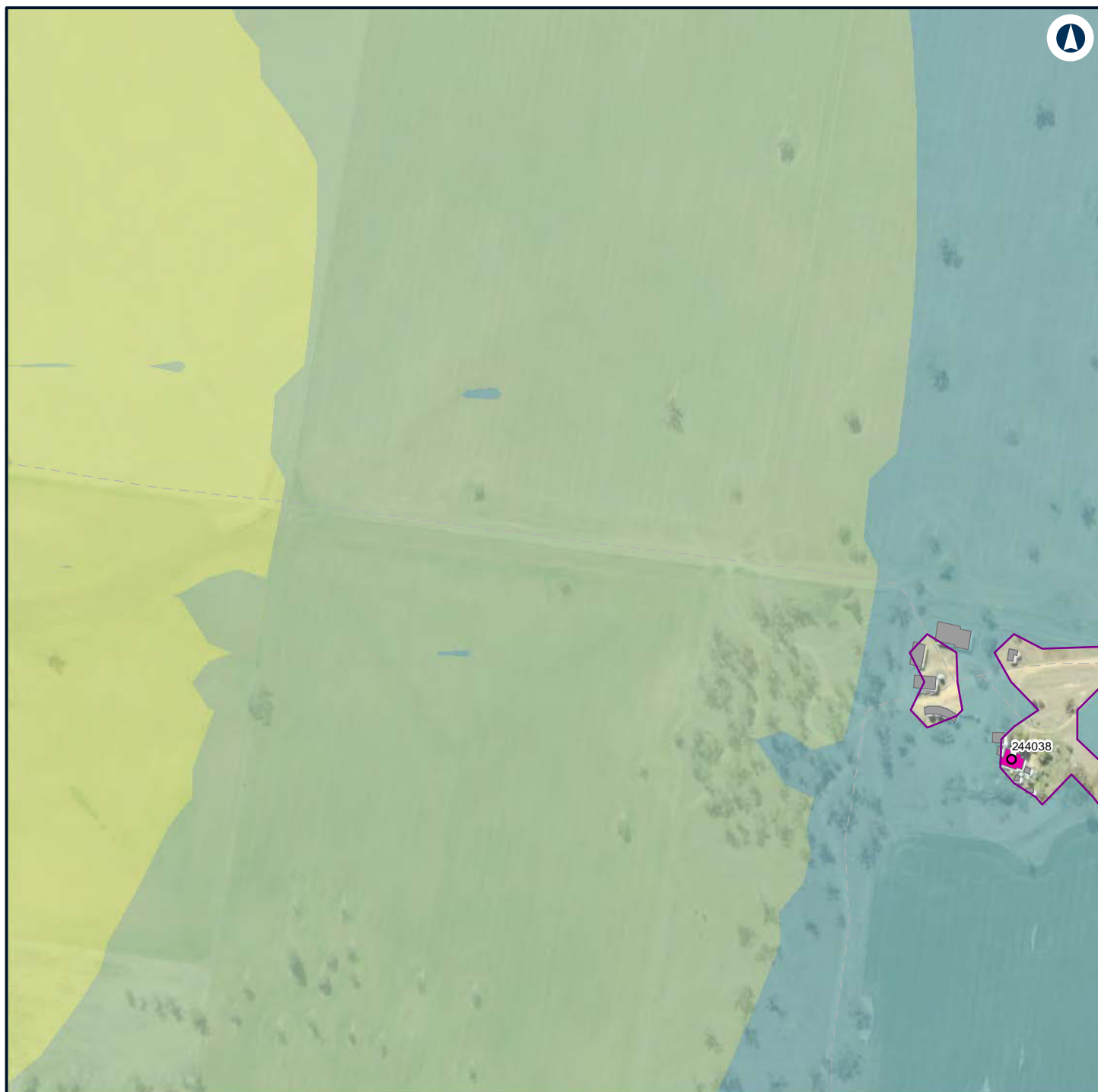
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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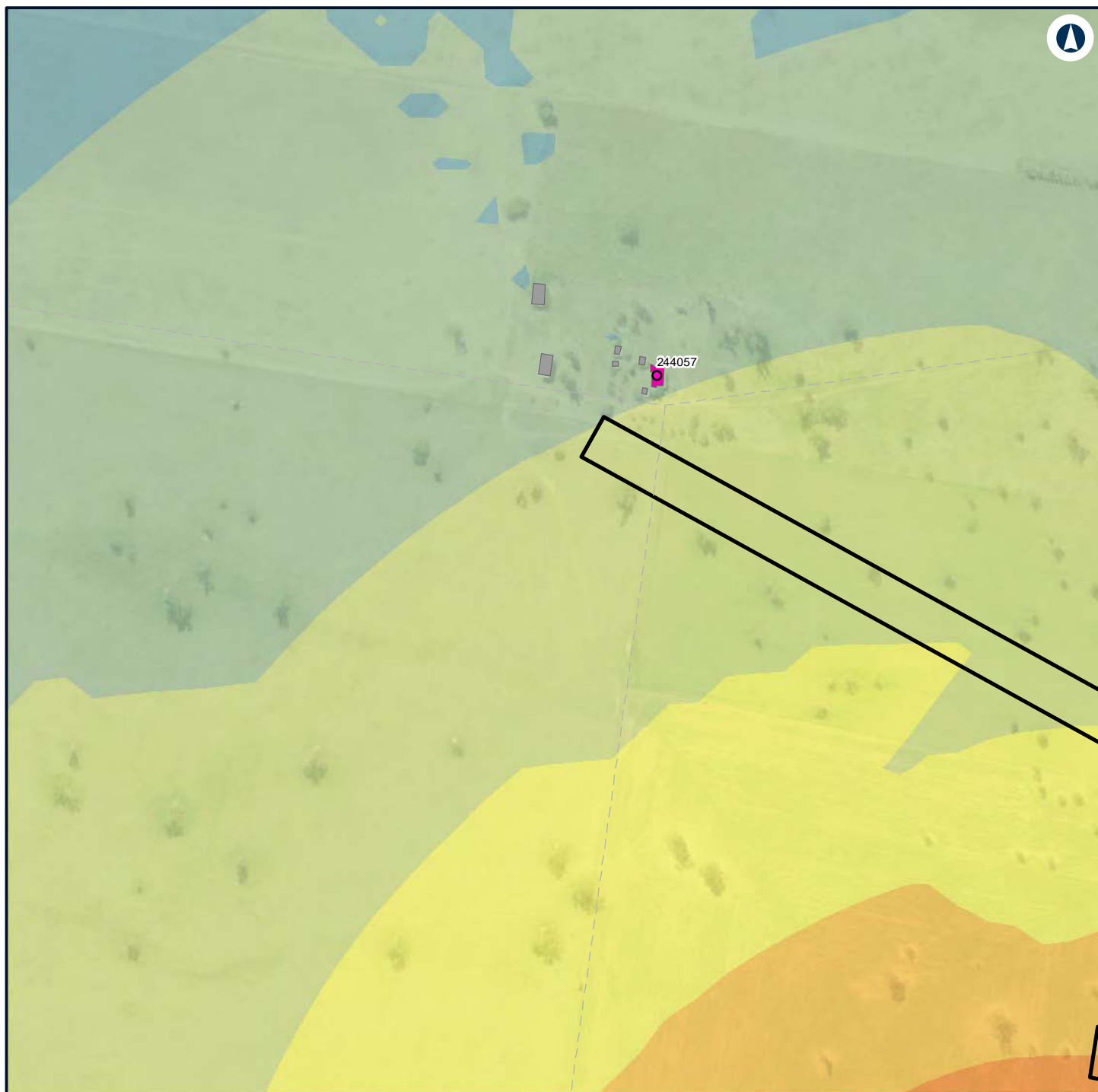
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LEGEND

Construction footprint

Structure type

- Residential
- Other
- Residential

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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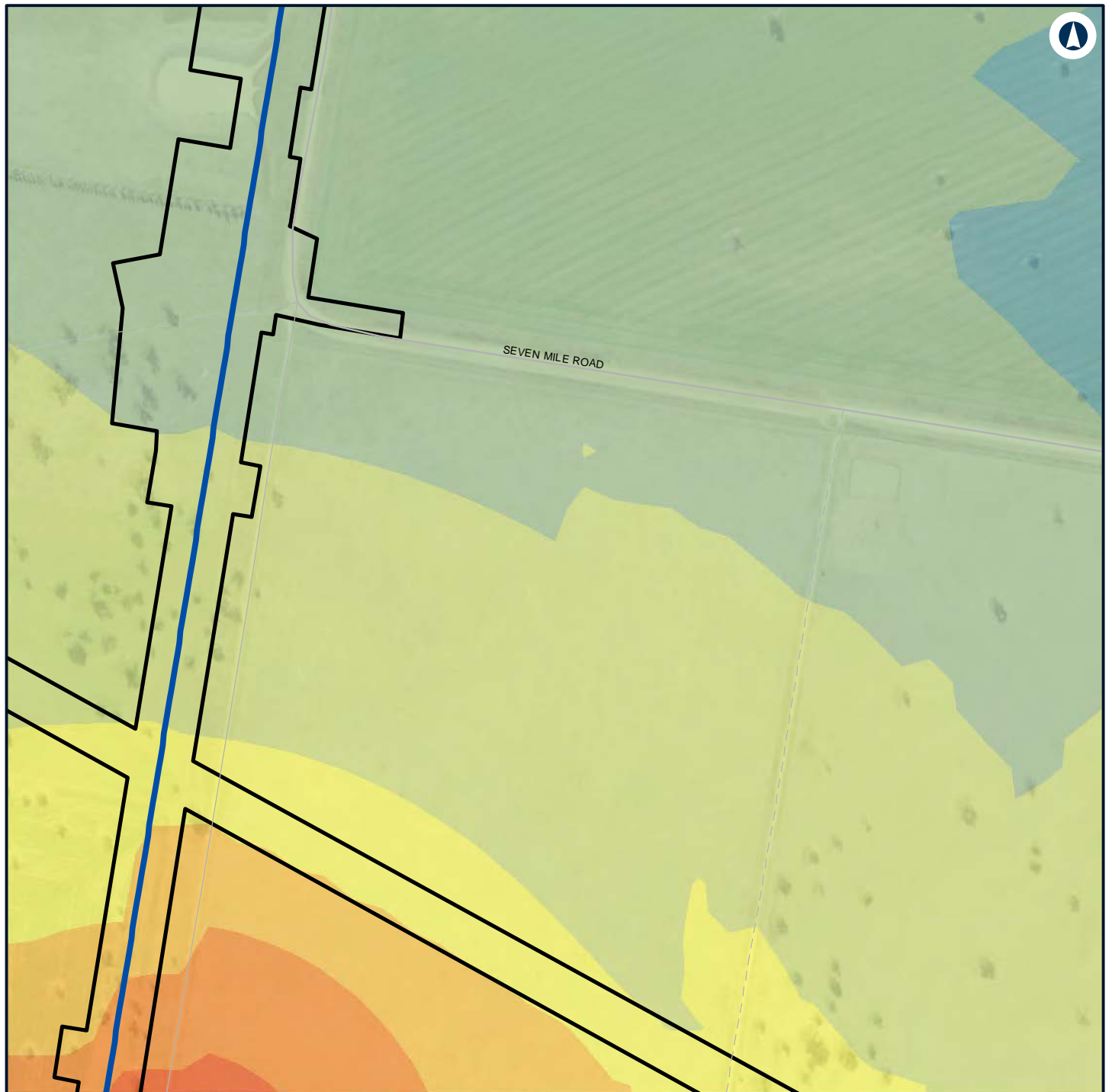
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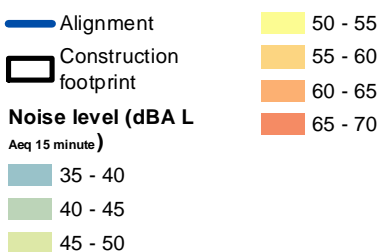
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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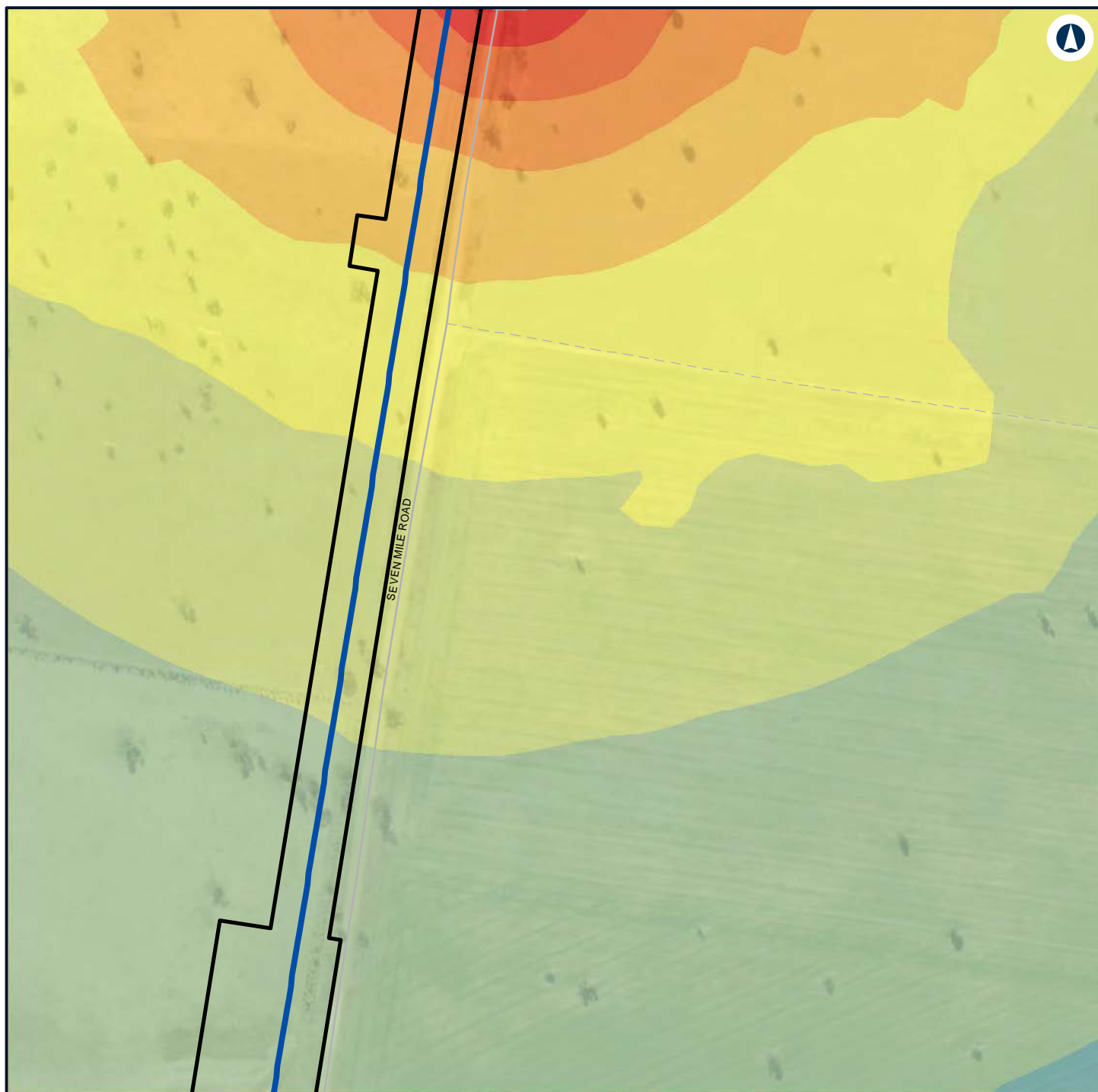
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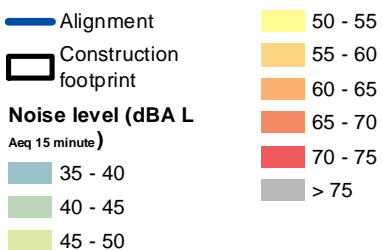
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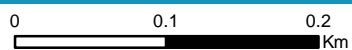
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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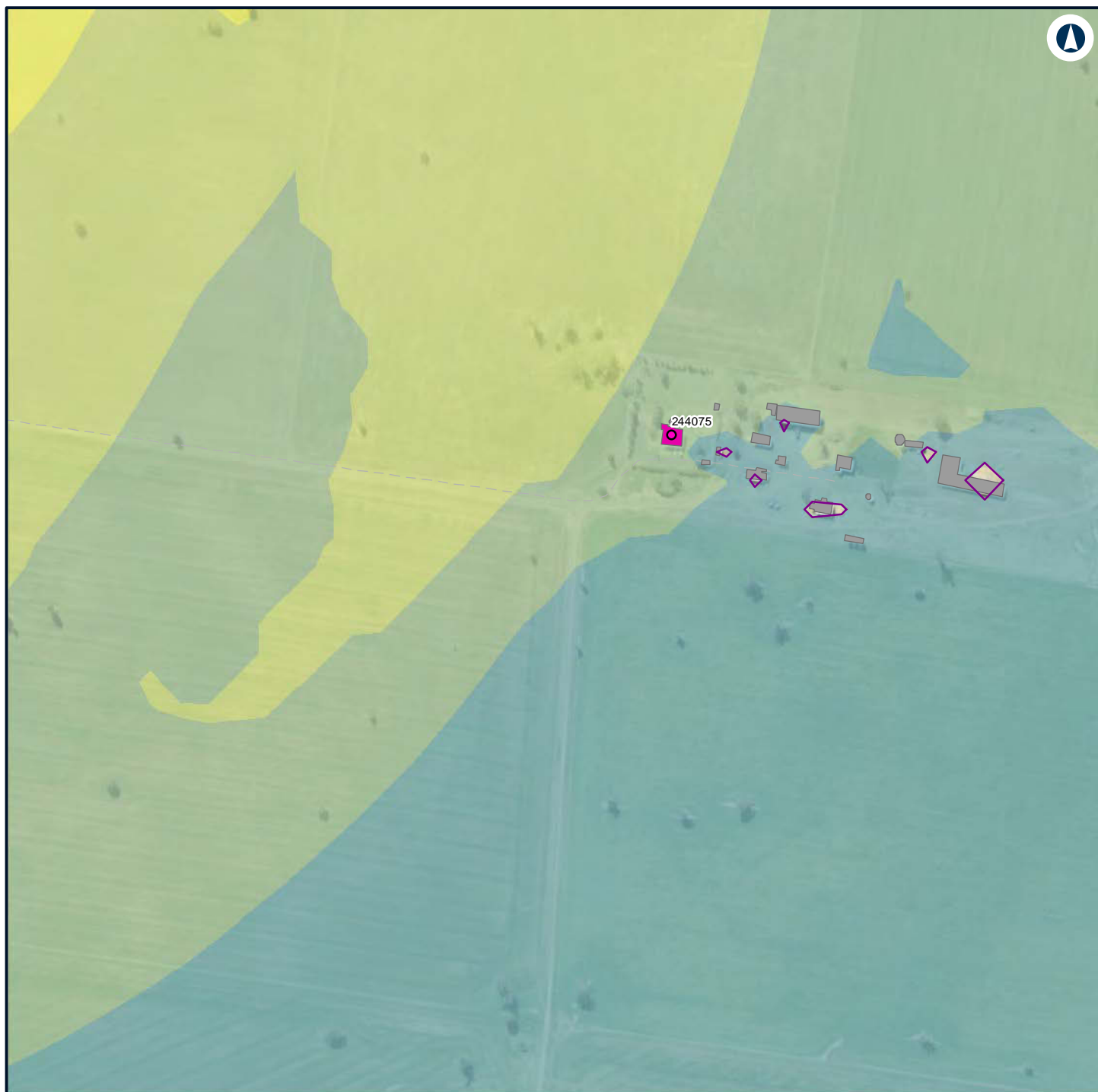
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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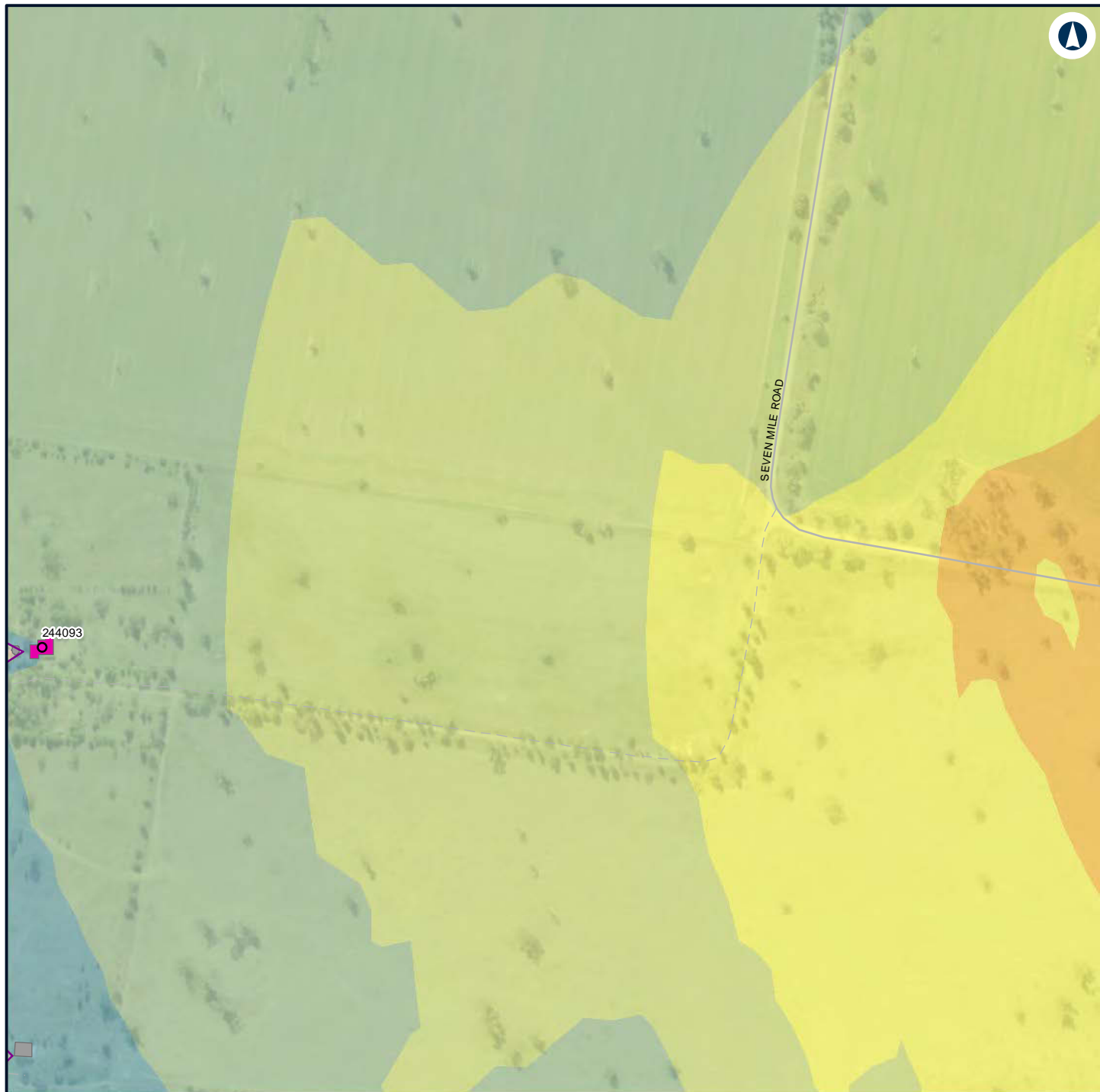
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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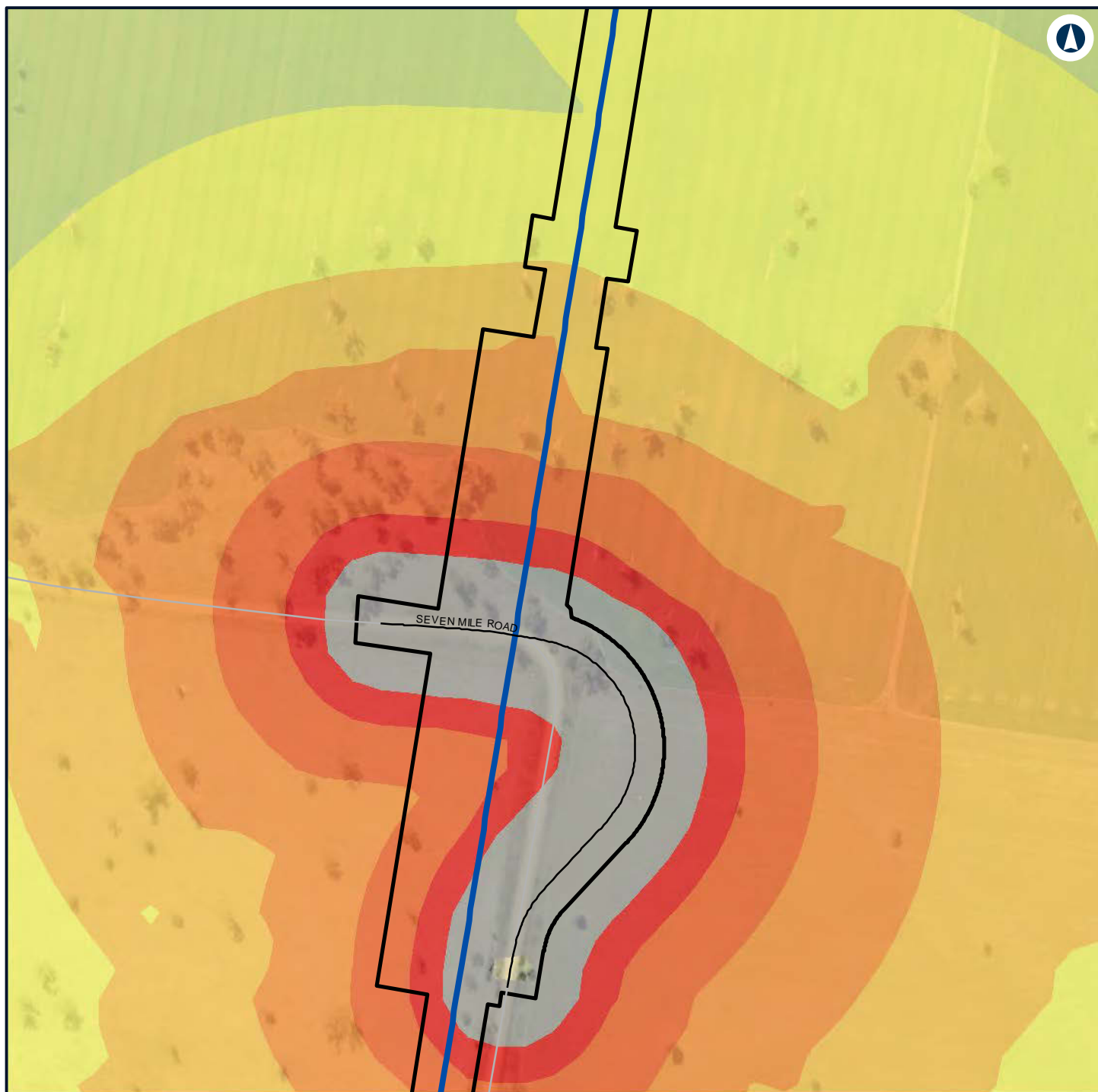
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LEGEND

- Alignment
 - Road design string
 - Construction footprint
- | | |
|---|--|
| Noise level (dBA L)
Aeq 15 minute | 55 - 60
60 - 65
65 - 70
70 - 75
> 75 |
|---|--|

- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

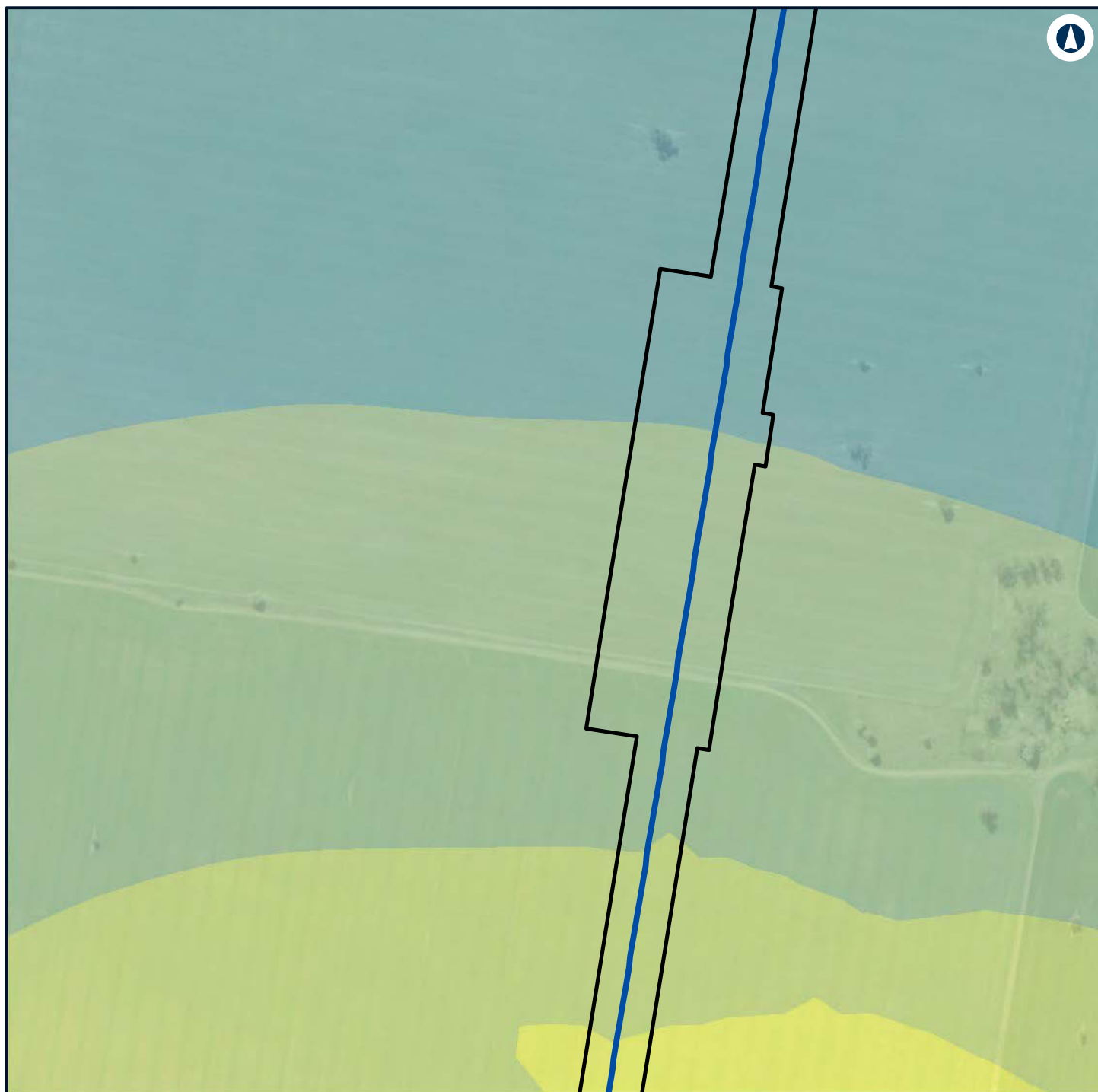
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 287 of 554

0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Structure type**
 - Residential
 - Other
 - Residential
- Night-time noise management level
- Noise level (dBA L Aeq 15 minute)**
 - 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- | | |
|-----------------------------------|---------------------------|
| Alignment | Noise level (dBA L |
| Construction footprint | Aeq 15 minute) |
| Other | 35 - 40 |
| Night-time noise management level | 40 - 45 |
| | 45 - 50 |
| | 50 - 55 |



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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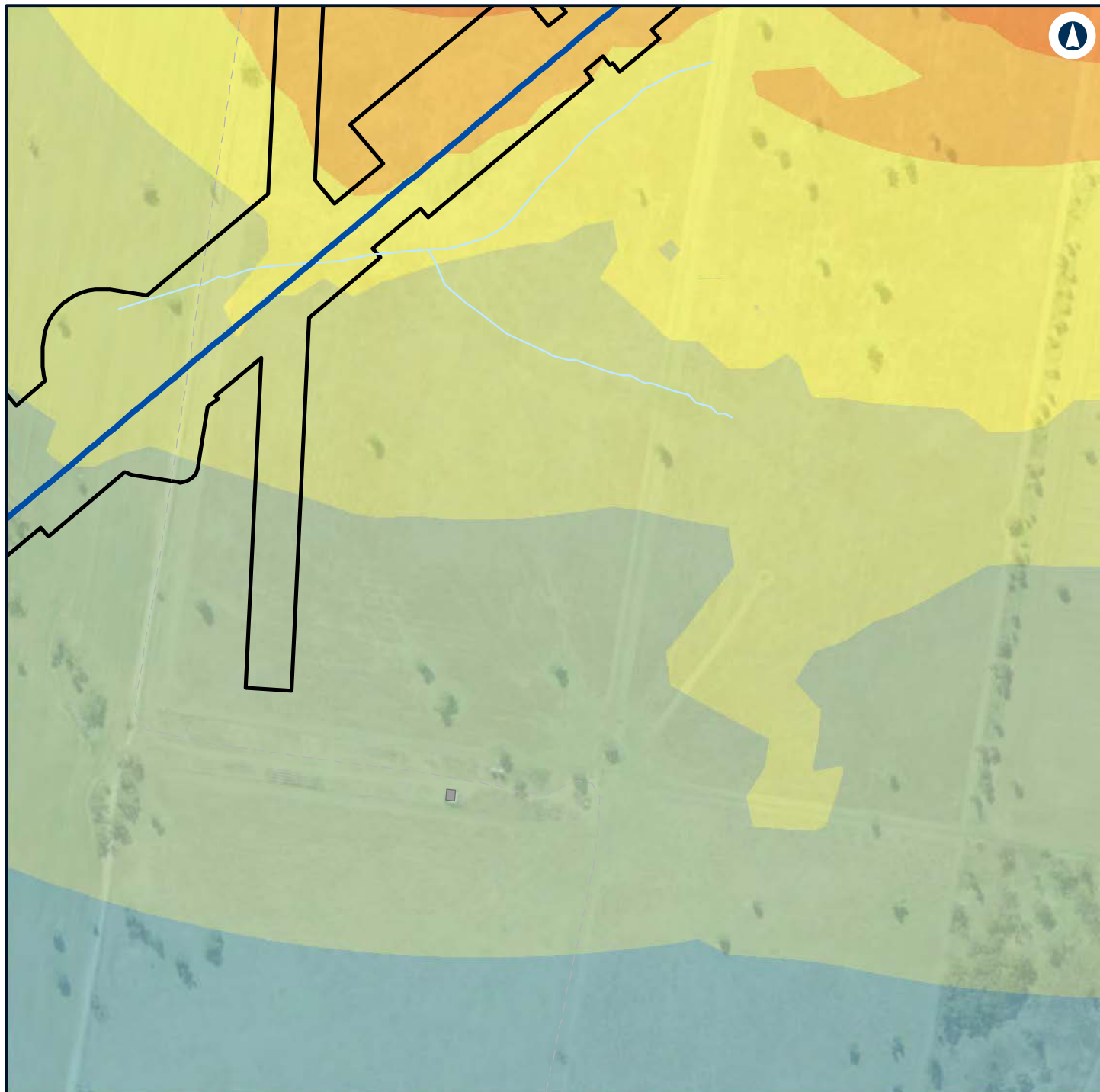
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
 - Construction footprint
 - Other
- | | |
|--|---------|
| | 45 - 50 |
| | 50 - 55 |
| | 55 - 60 |
| | 60 - 65 |

Noise level (dBA L)

Aeq 15 minute

- | | |
|--|---------|
| | 35 - 40 |
| | 40 - 45 |



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

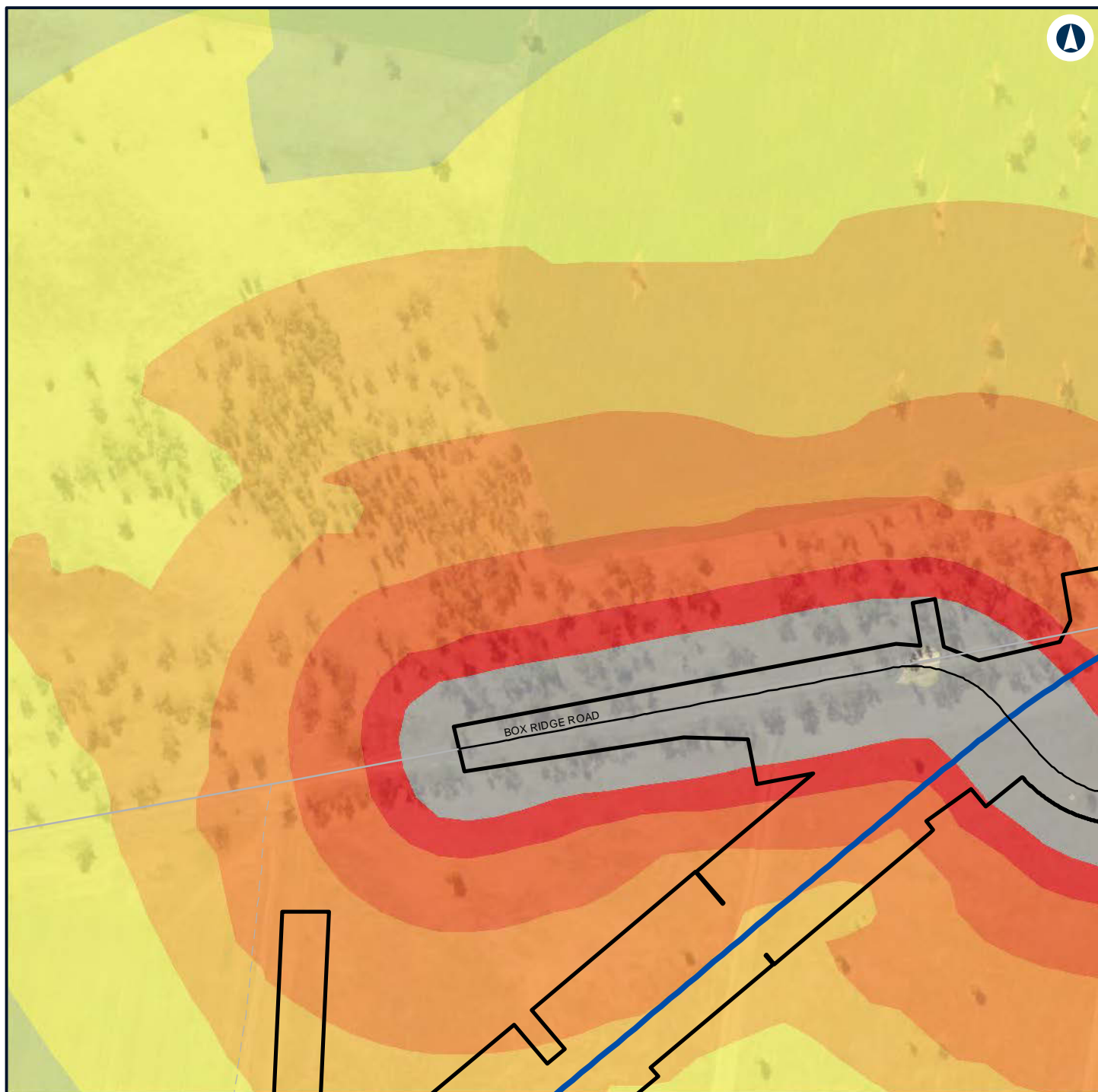
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

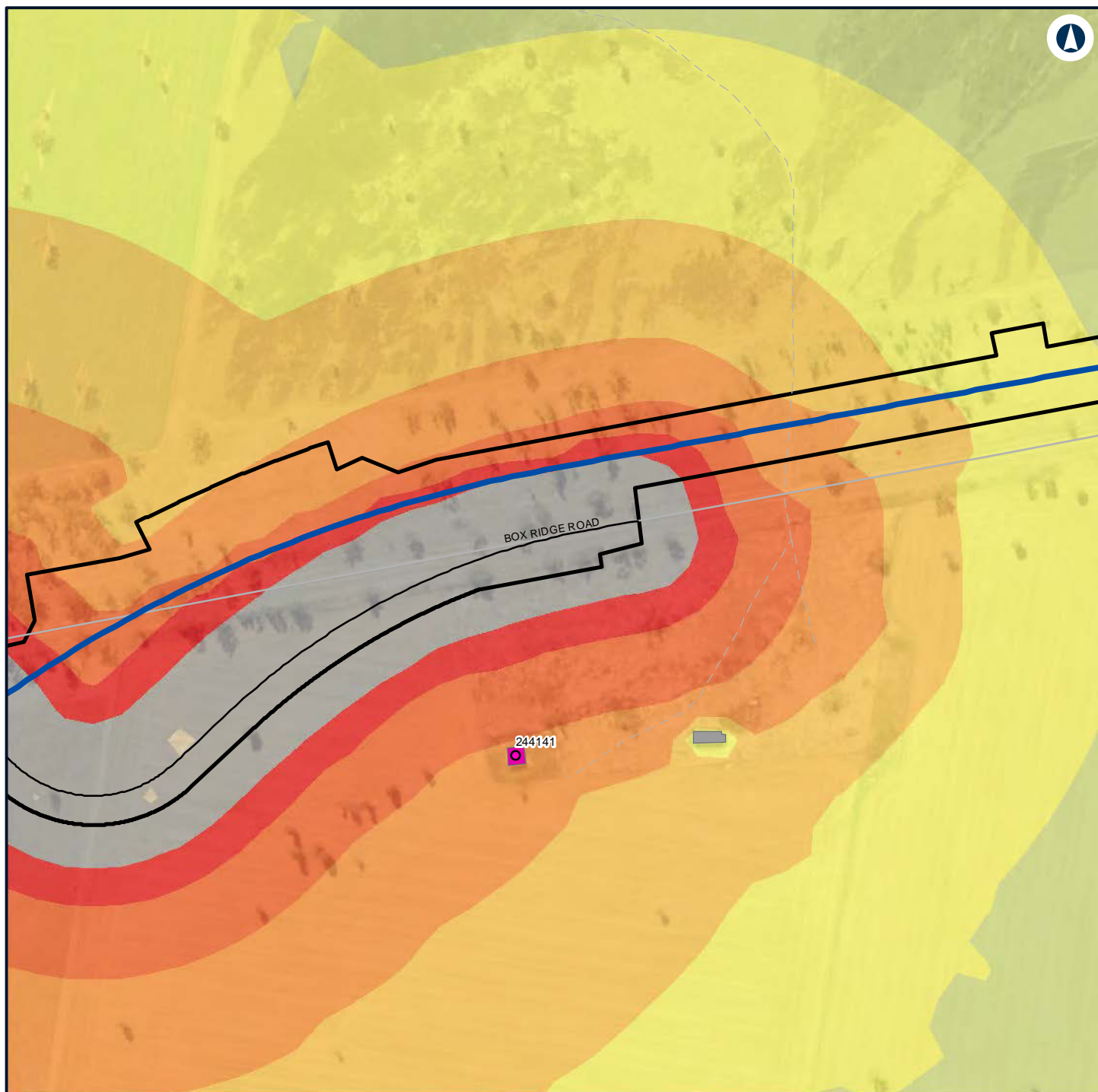
Coordinate System: GDA 1994 MGA Zone 55

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Date: 22/12/2021 Paper: A4
Author: GHD Scale: 1:5,000
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

	Alignment		Residential		65 - 70
	Road design string		Other		70 - 75
	Construction footprint		45 - 50		> 75
	Residential		50 - 55		
			55 - 60		
			60 - 65		



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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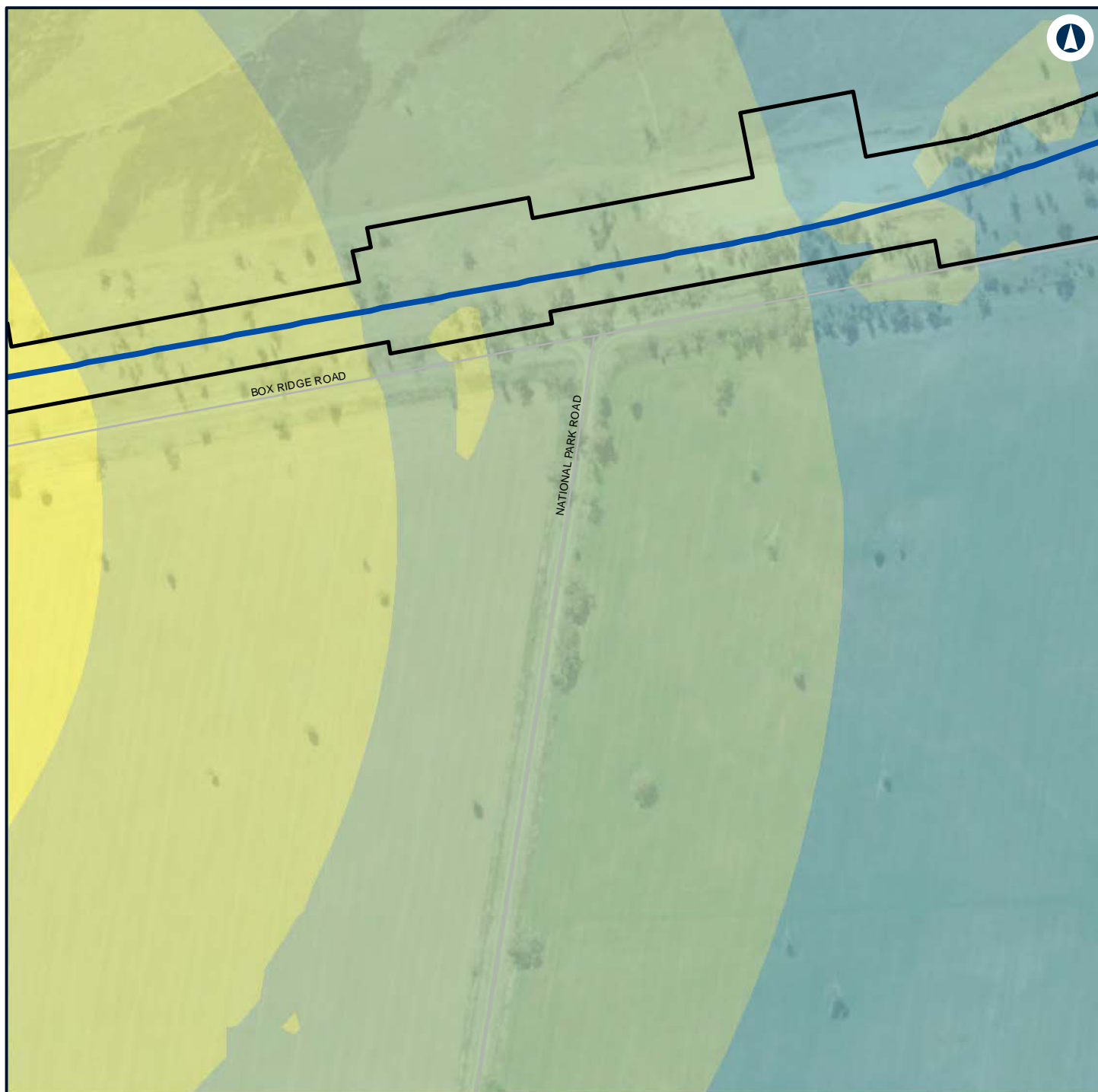
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Scale: 1:5,000

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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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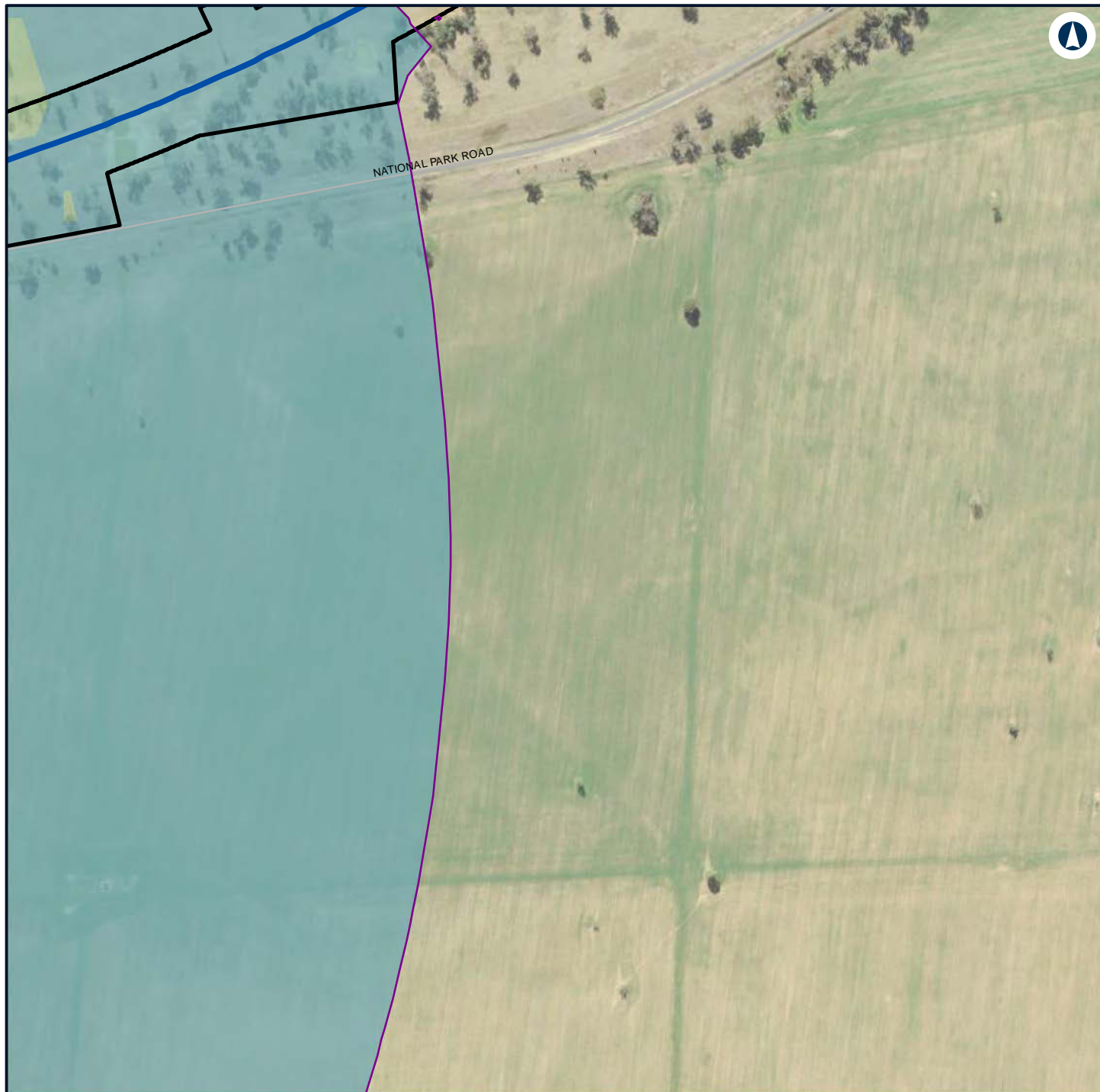
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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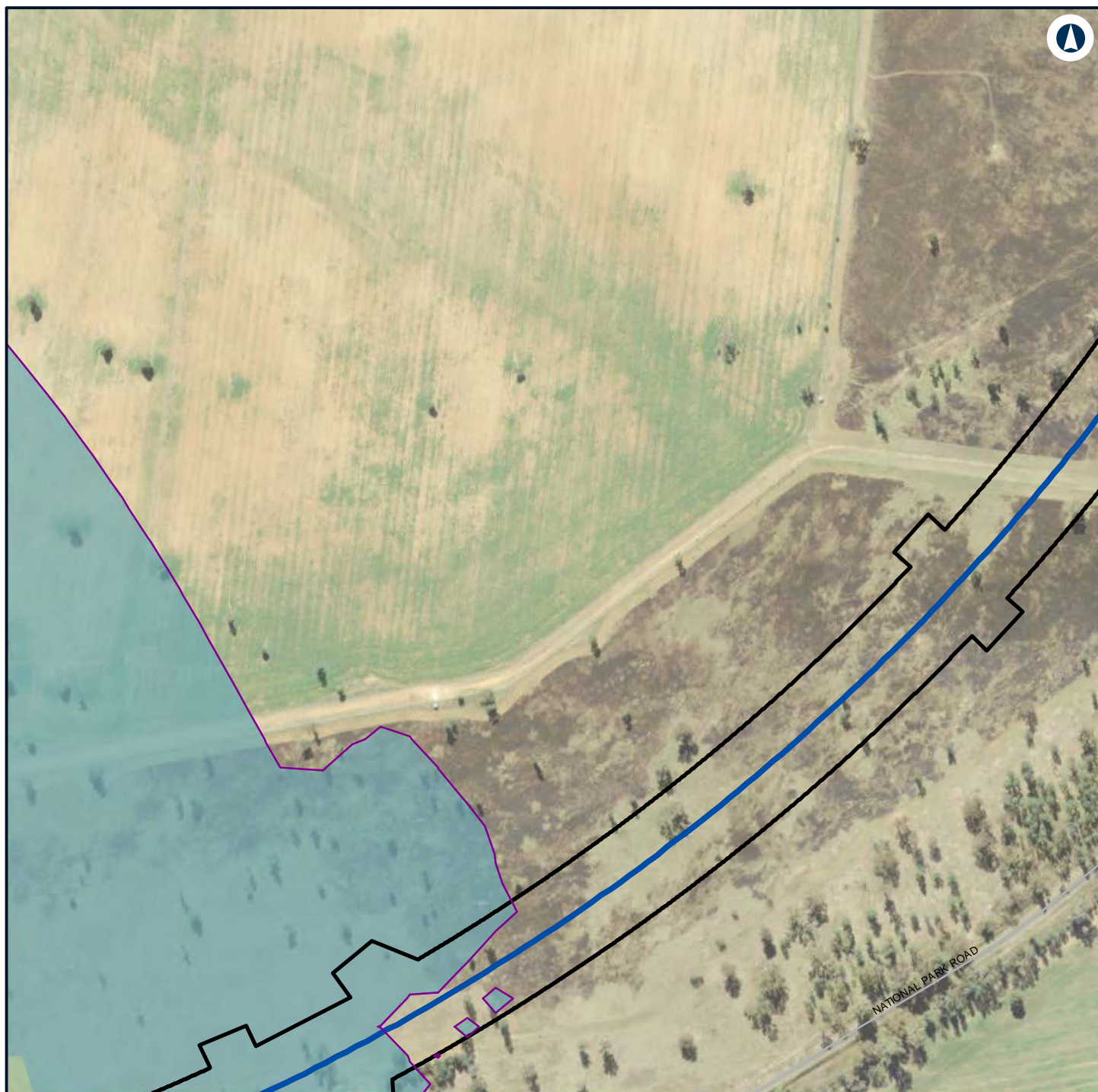
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARRABRI TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

-  35 - 40
-  40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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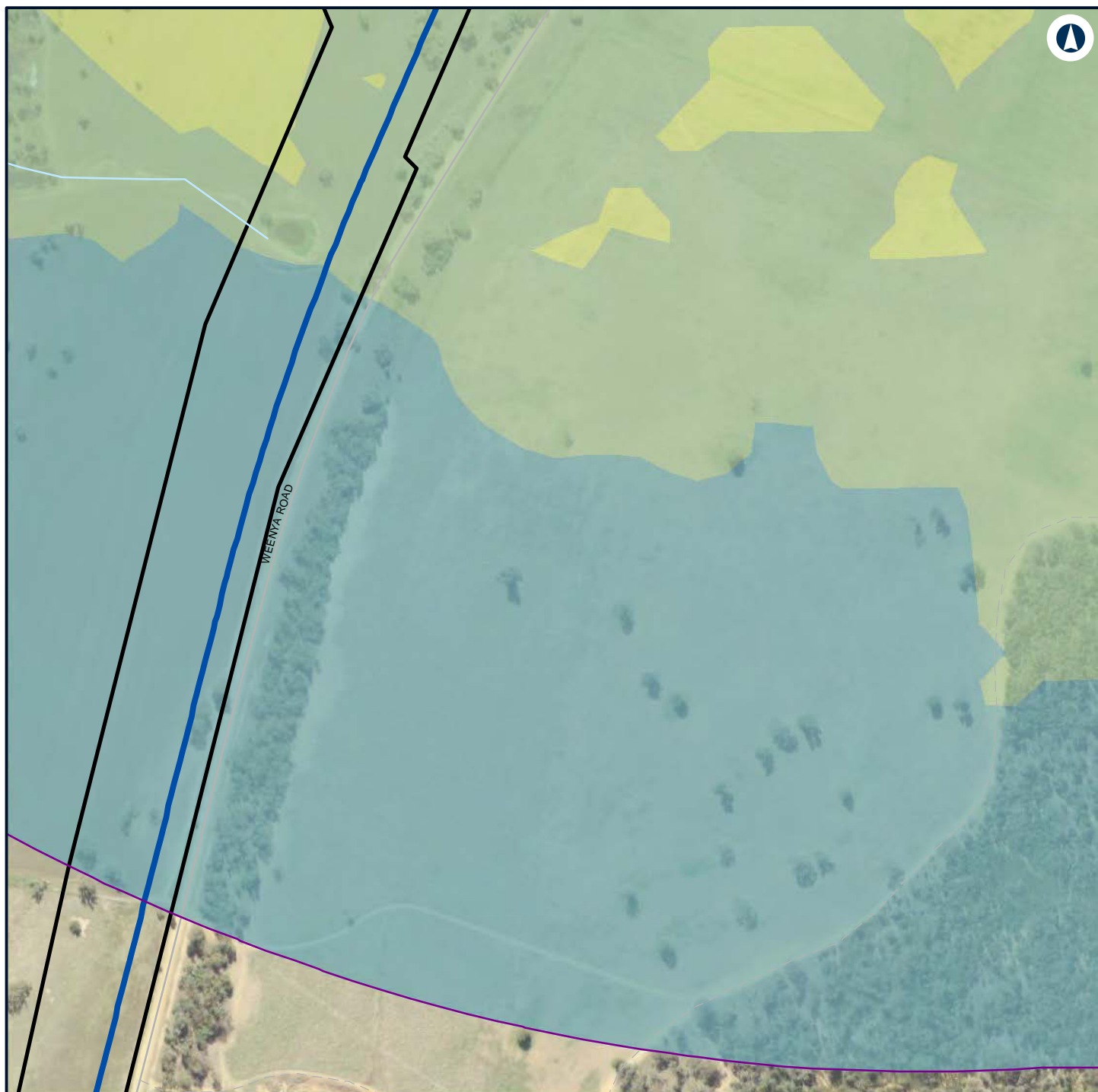
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

— 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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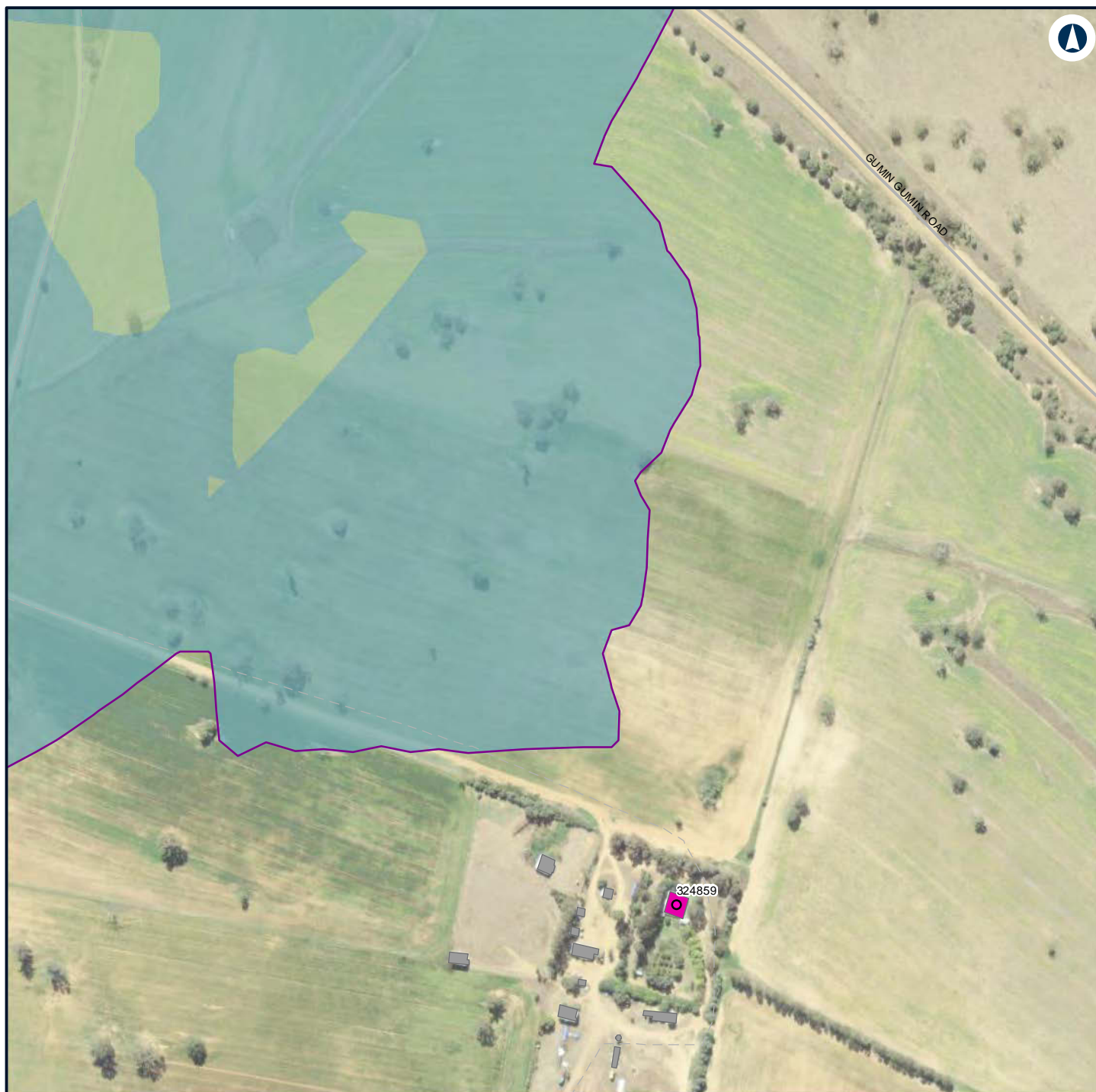
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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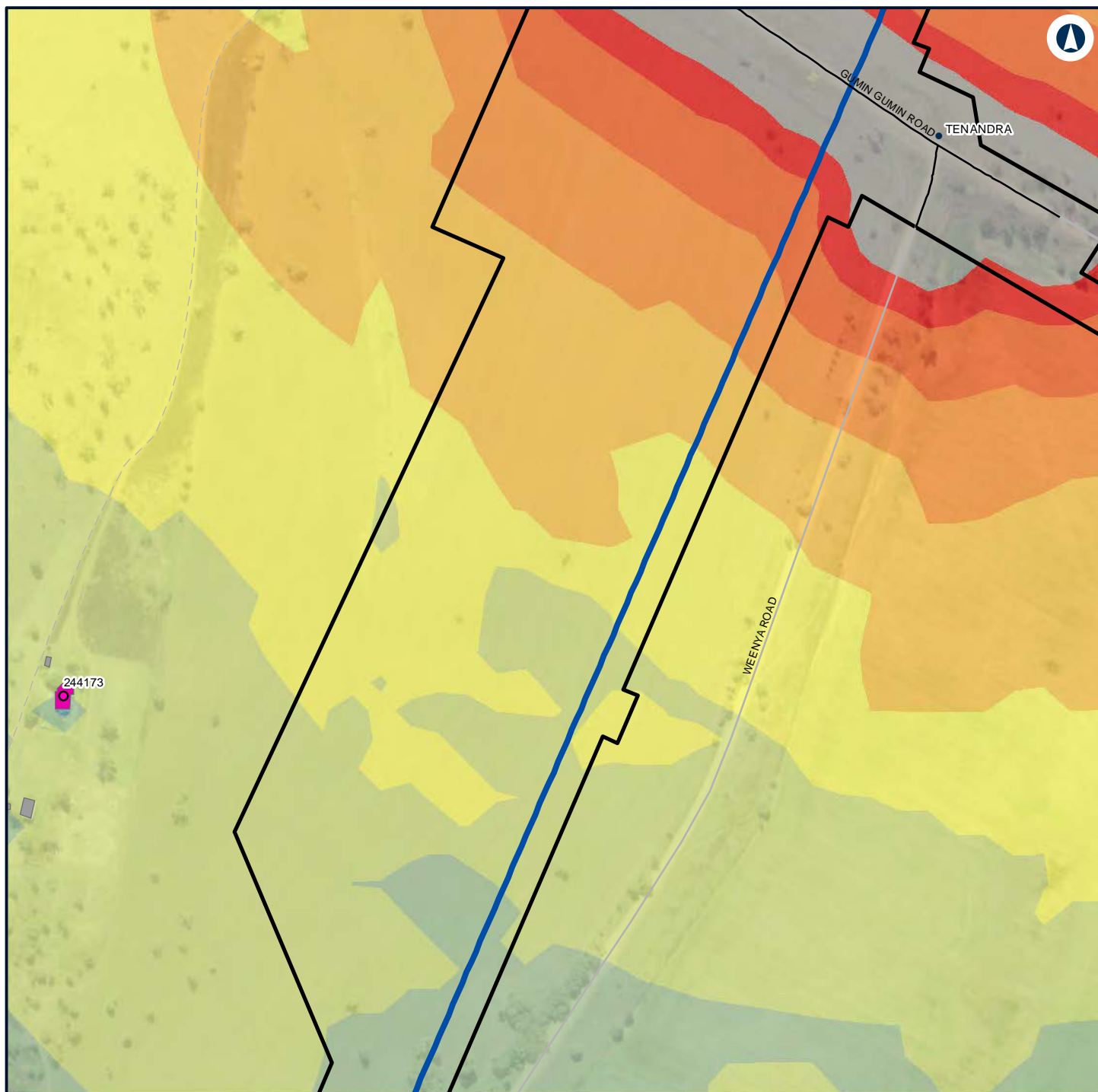
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LEGEND

Alignment	Residential	55 - 60
Road design string	Noise level (dBA L	60 - 65
Construction footprint	Aeq 15 minute)	65 - 70
Structure type	35 - 40	70 - 75
Residential	40 - 45	> 75
Other	45 - 50	
	50 - 55	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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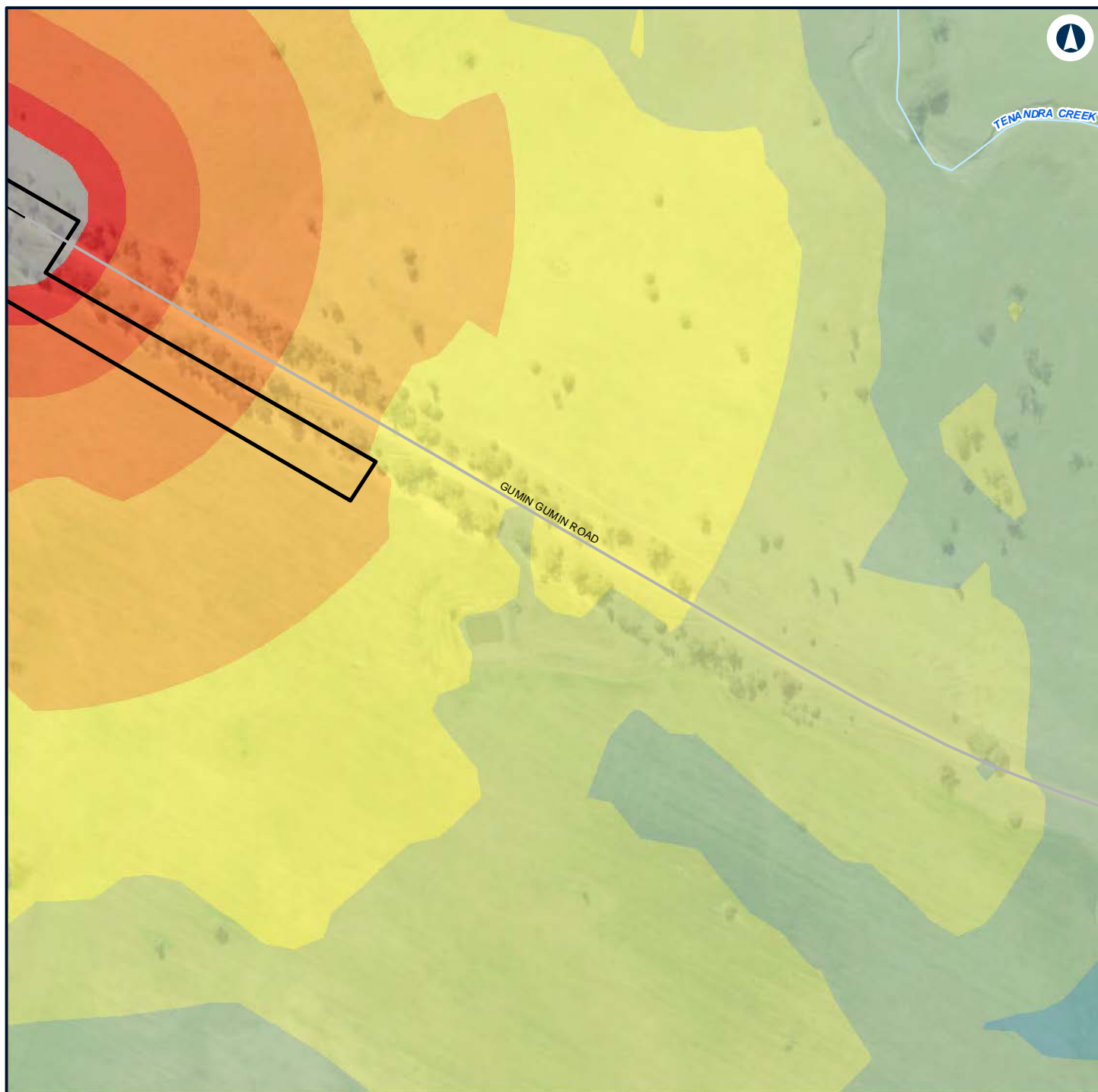
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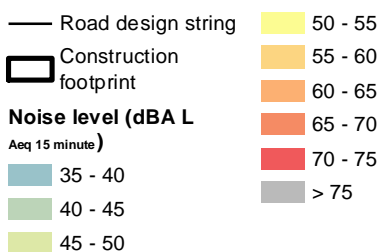
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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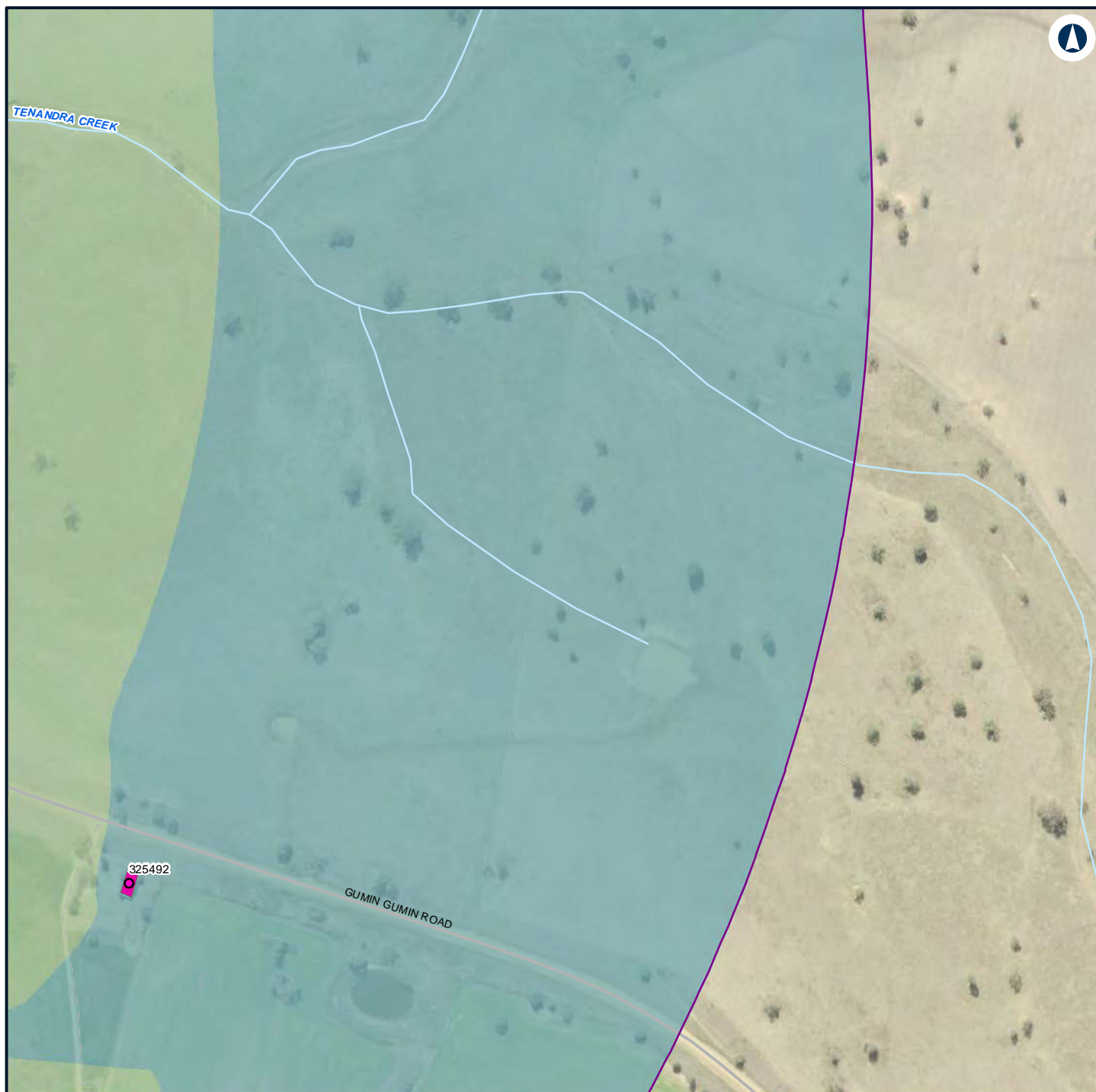
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LEGEND

Structure type

- Residential
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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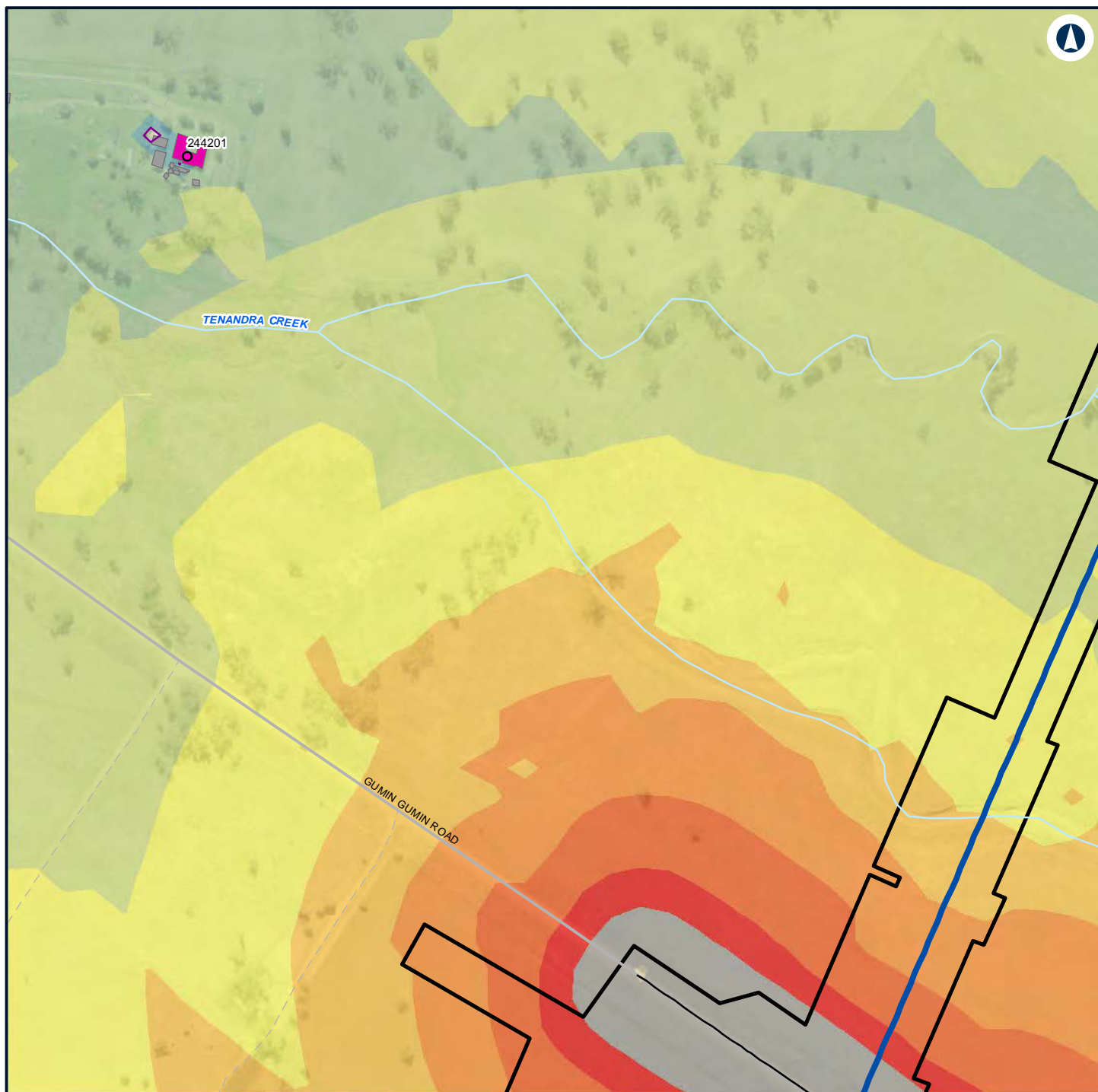
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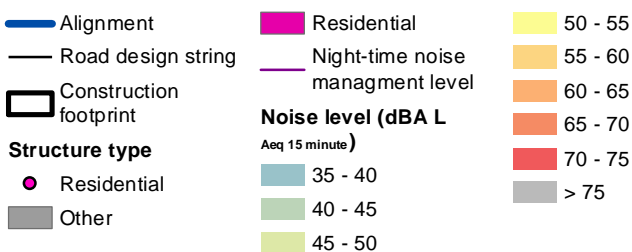
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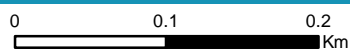
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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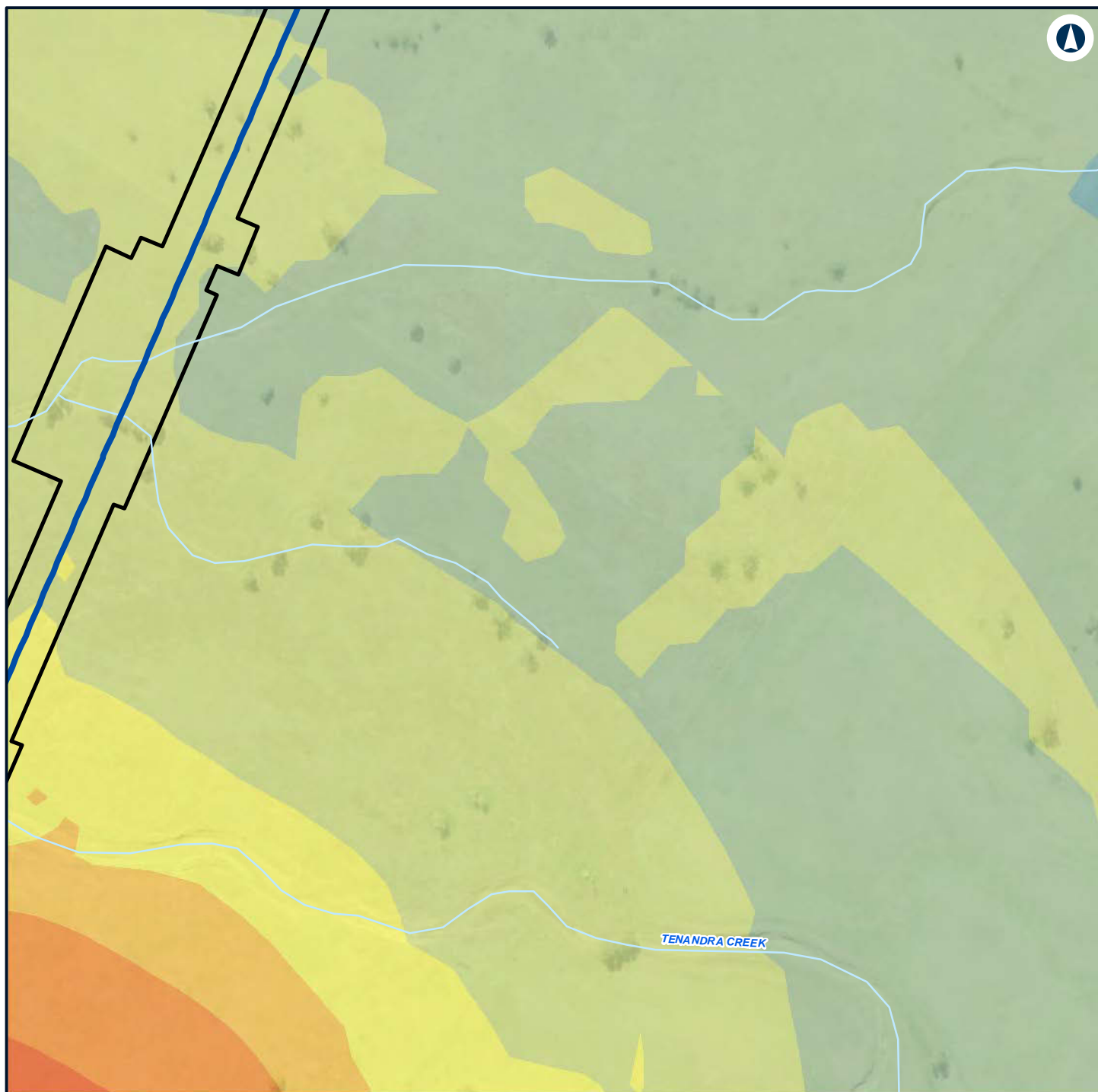
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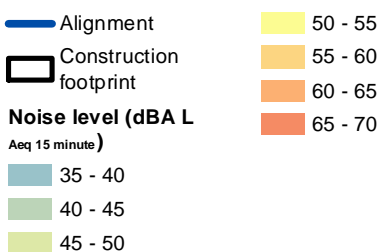
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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LEGEND

- Alignment
- Construction footprint
- DEMOLISH - Other
- Other

Noise level (dBA L)

Aeq 15 minute

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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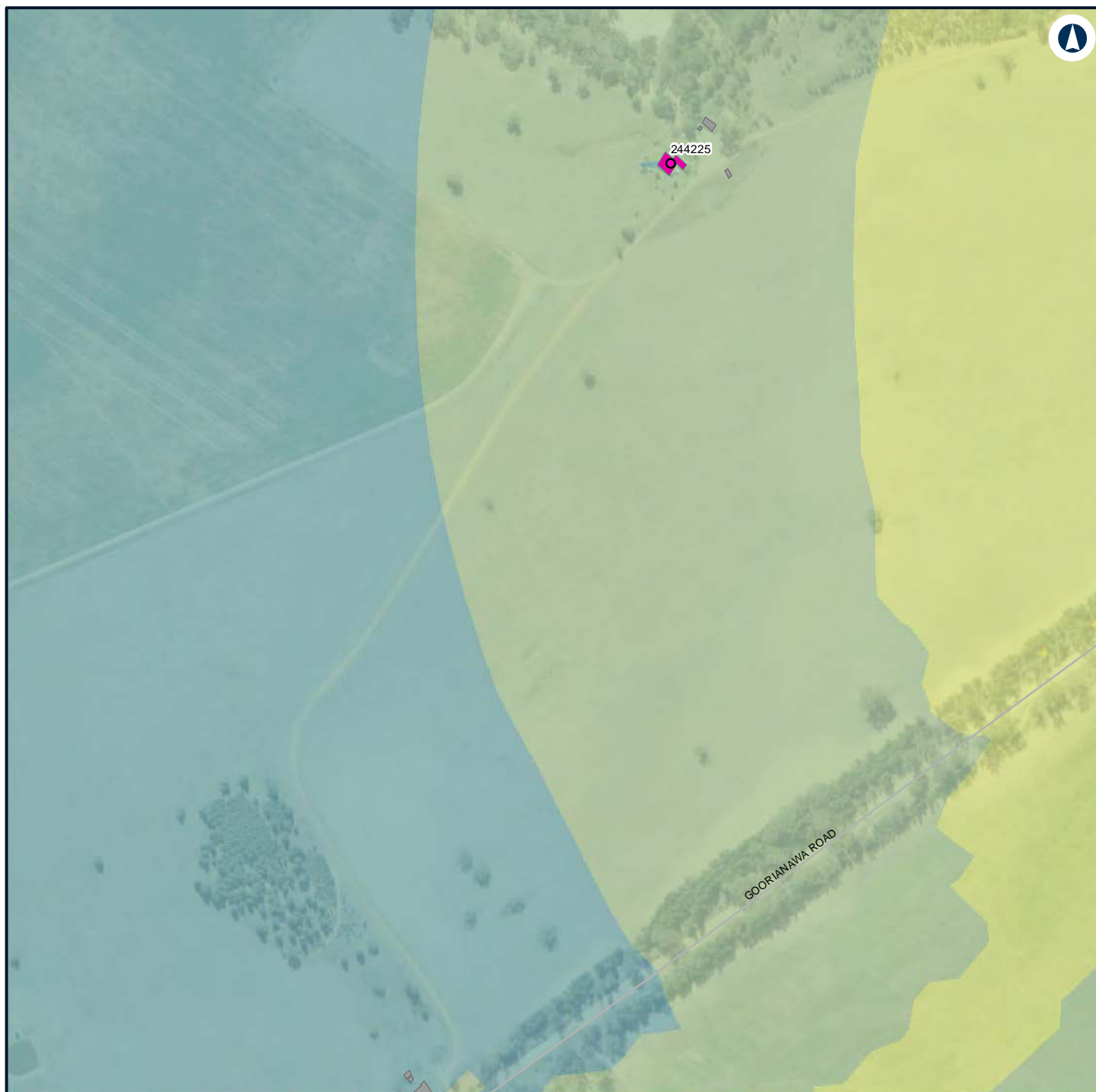
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LEGEND

Structure type		40 - 45
Residential		45 - 50
Other		50 - 55
Residential		
Noise level (dBA L Aeq 15 minute)		
		35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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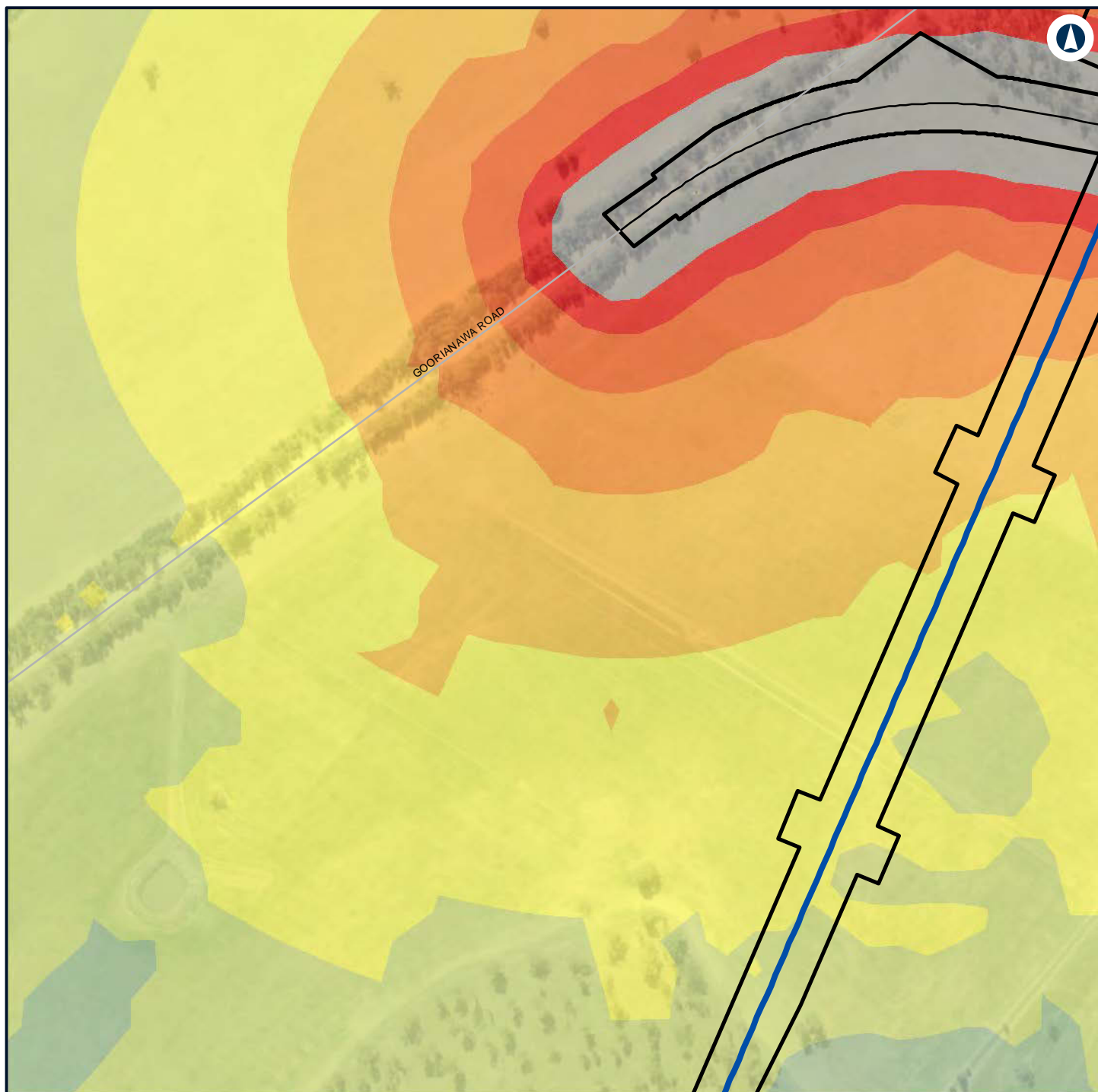
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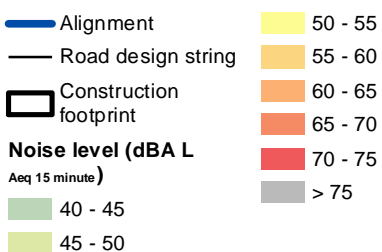
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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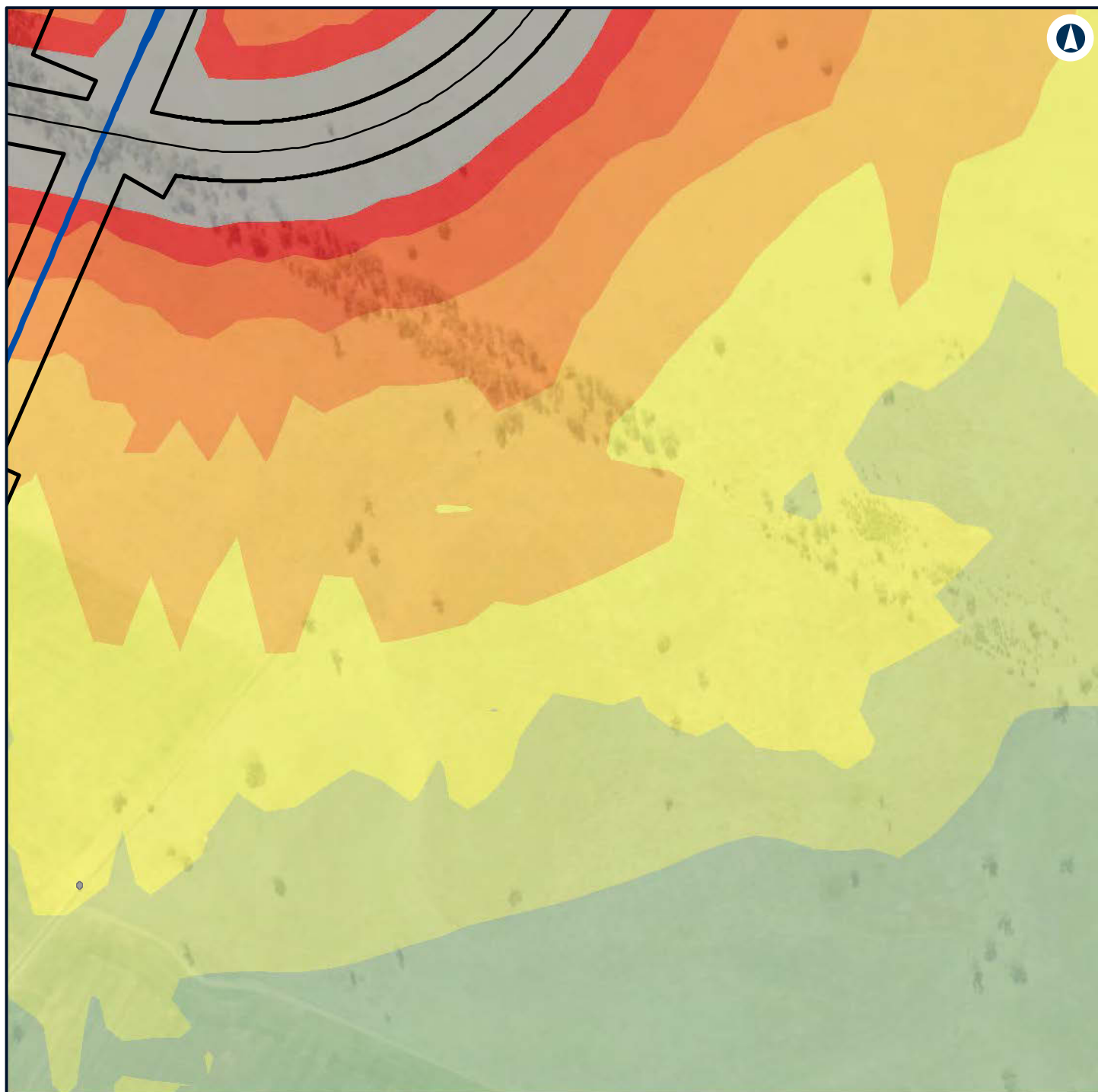
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LEGEND

Alignment	45 - 50
Road design string	50 - 55
Construction footprint	55 - 60
Other	60 - 65
Noise level (dBA L	65 - 70
Aeq 15 minute)	70 - 75
40 - 45	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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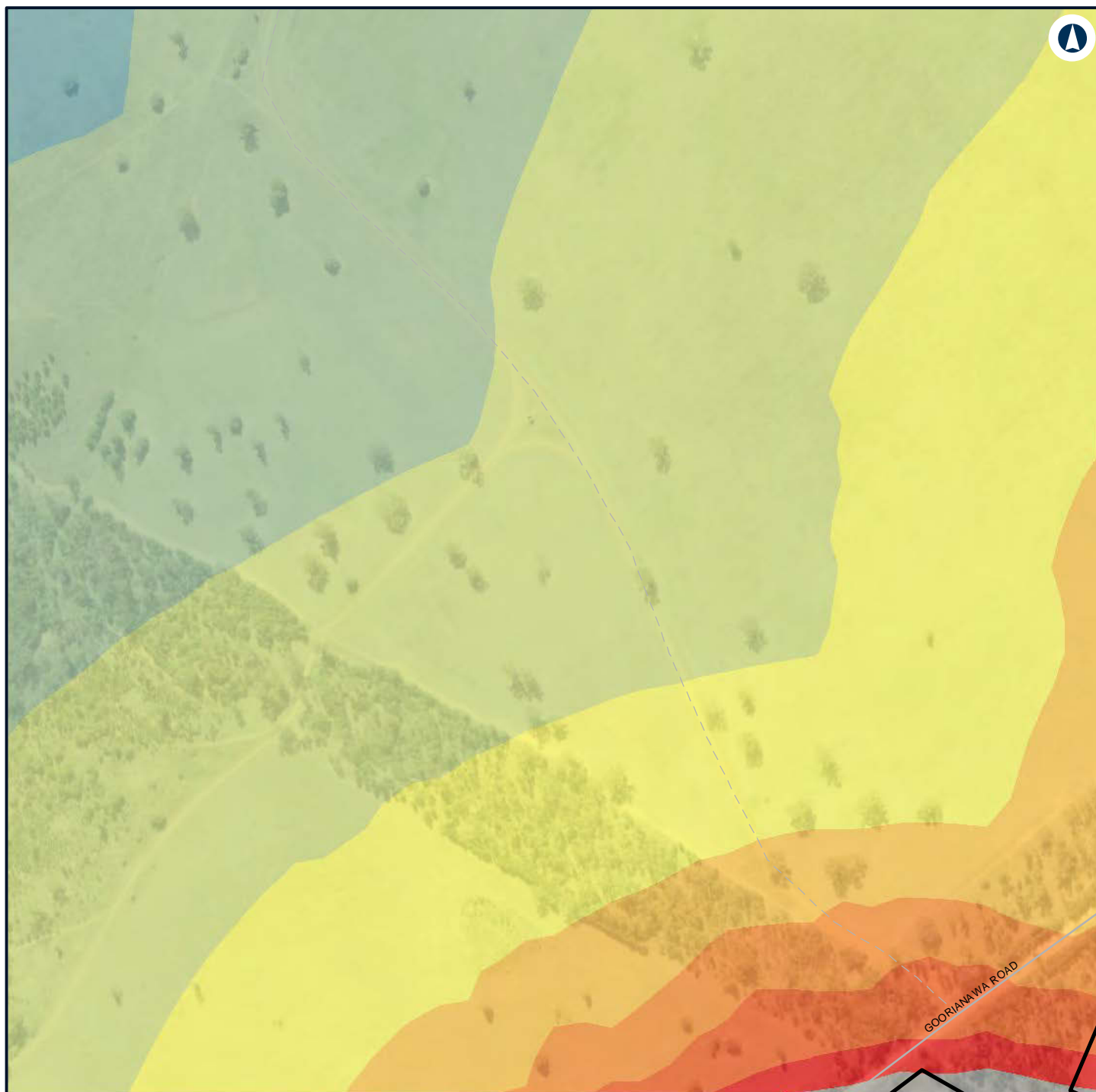
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LEGEND


 Construction footprint

Noise level (dBA L)
Aeq 15 minute)

 35 - 40

 40 - 45

 45 - 50

 50 - 55

 55 - 60

 60 - 65

 65 - 70

 70 - 75

 > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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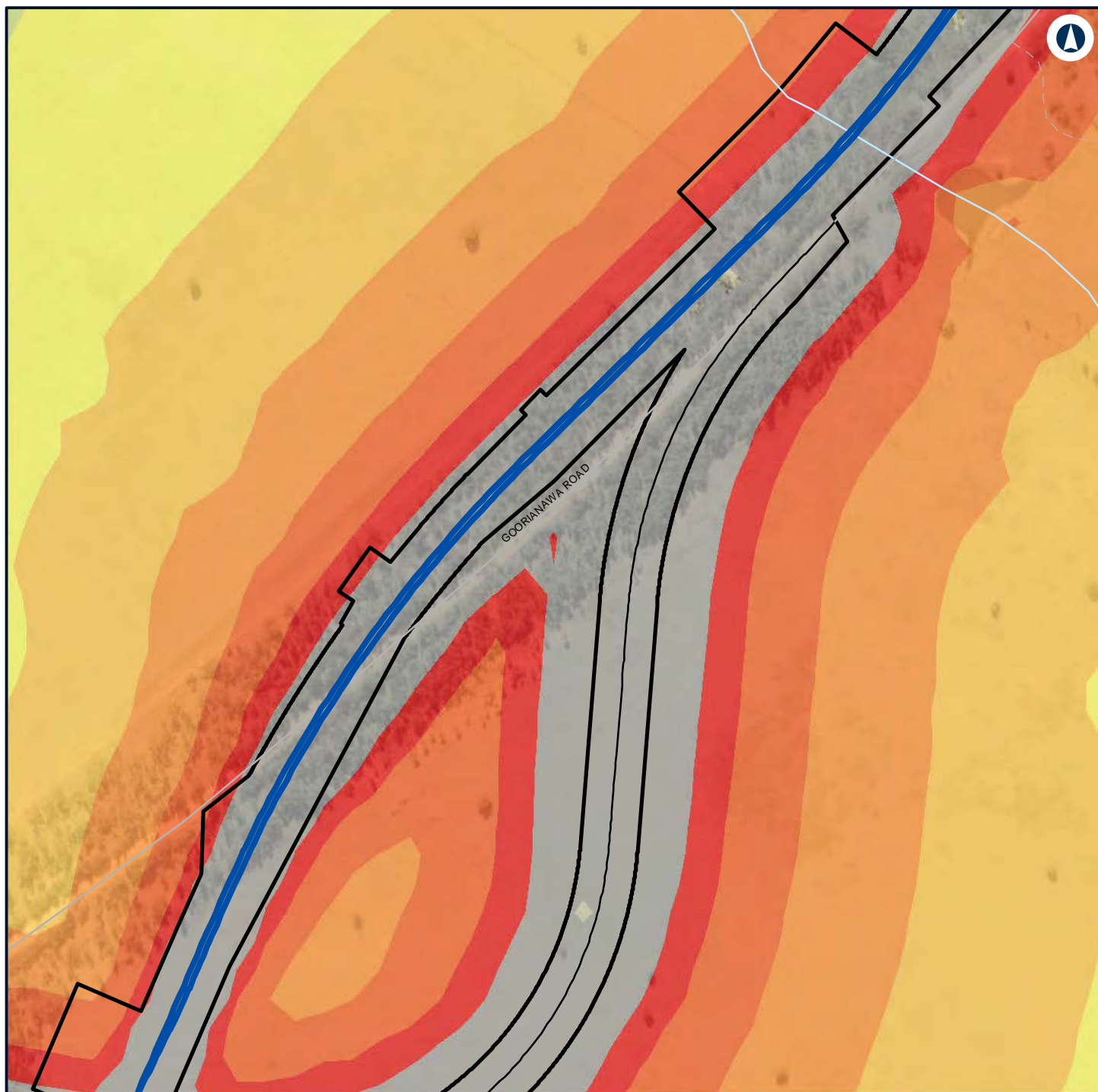
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LEGEND

- Alignment
- Road design string
- Construction footprint
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75
- Noise level (dBA L Aeq 15 minute)**
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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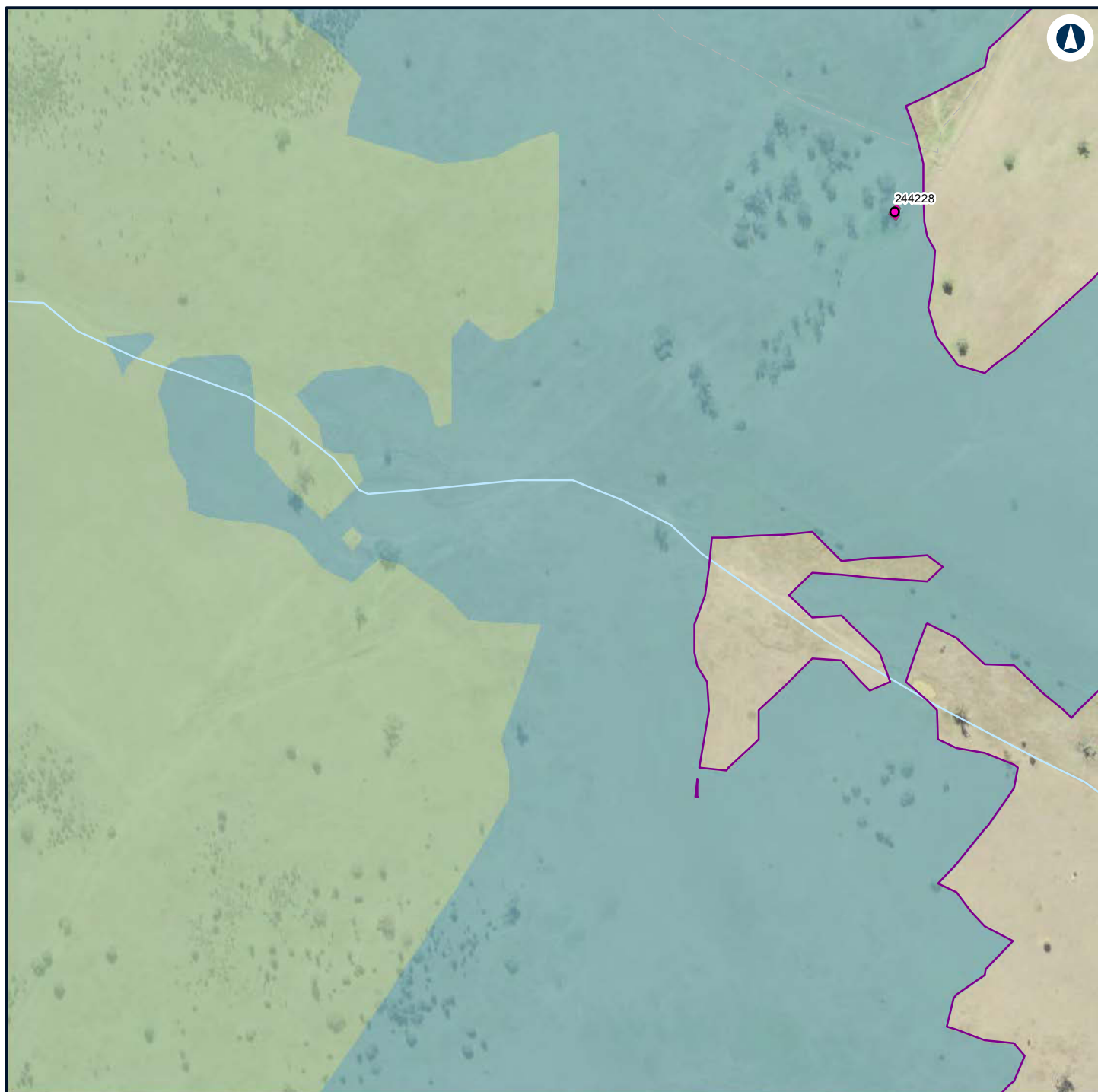
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LEGEND

Structure type

● Residential

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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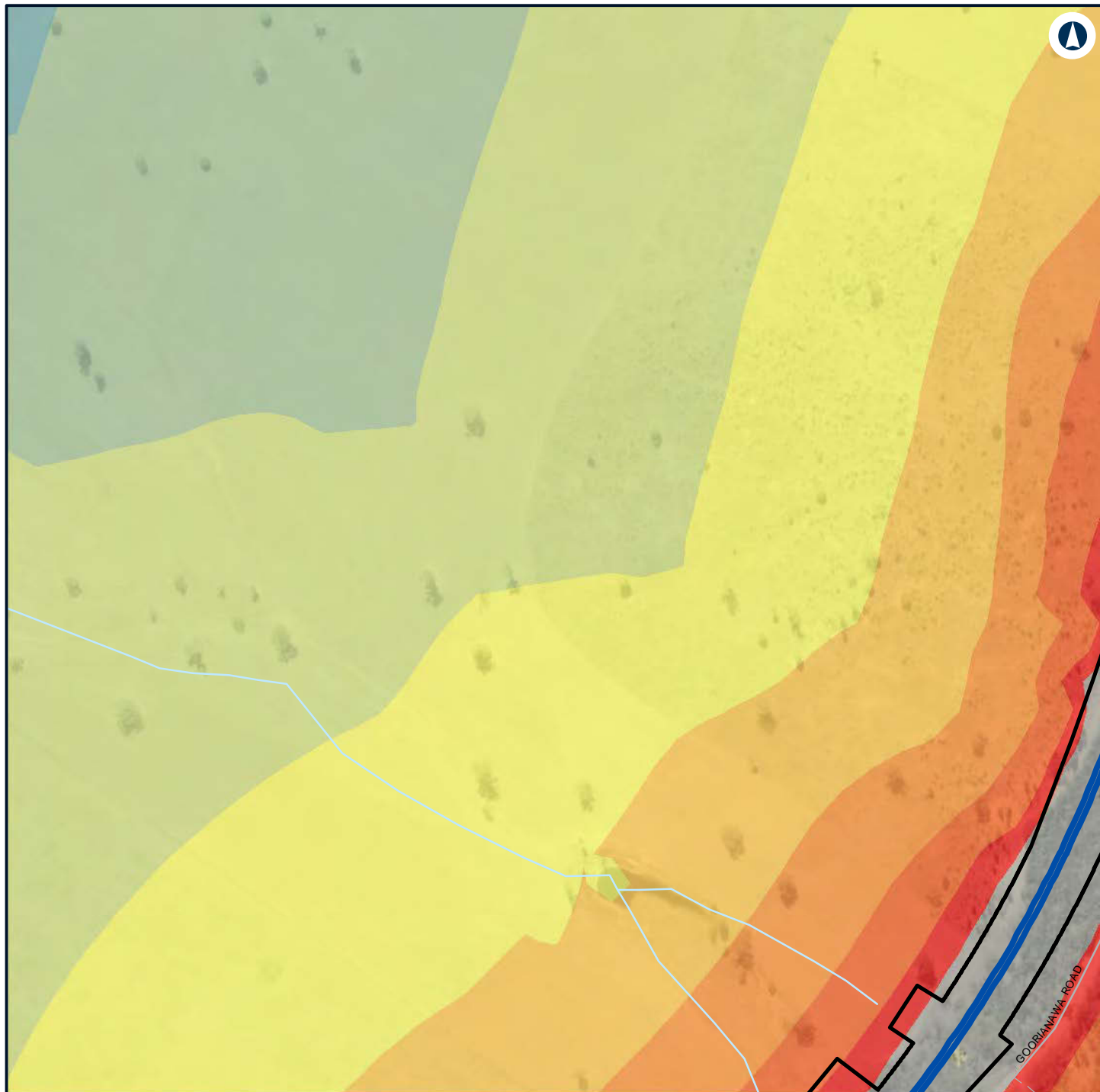
Author: GHD

Scale: 1:5,000

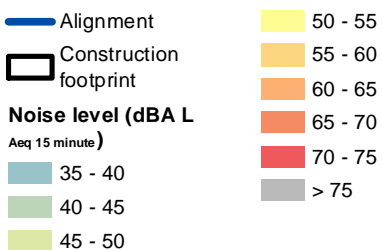
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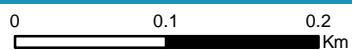
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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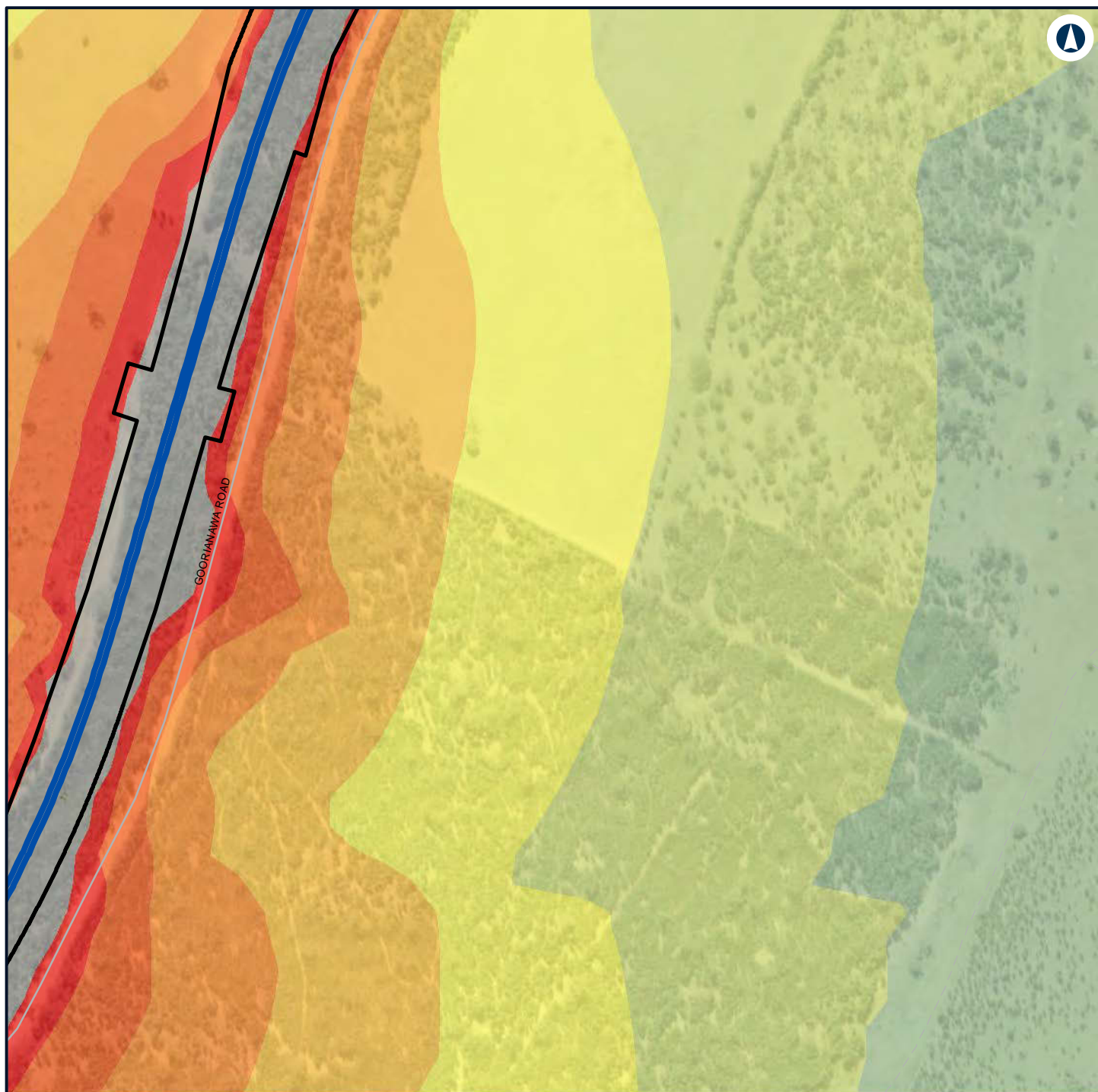
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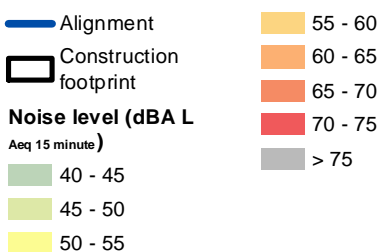
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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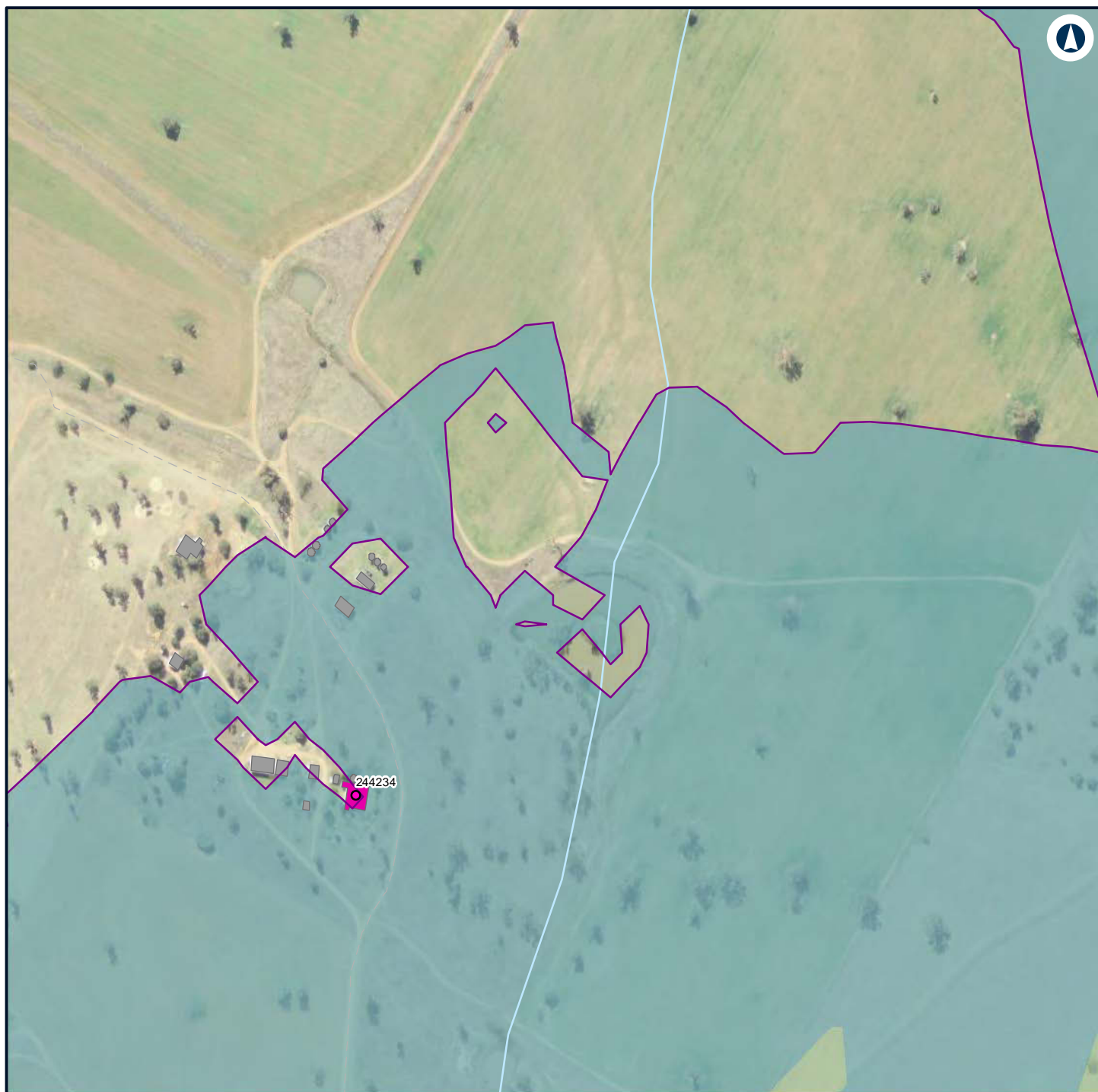
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

- Aeq 15 minute)
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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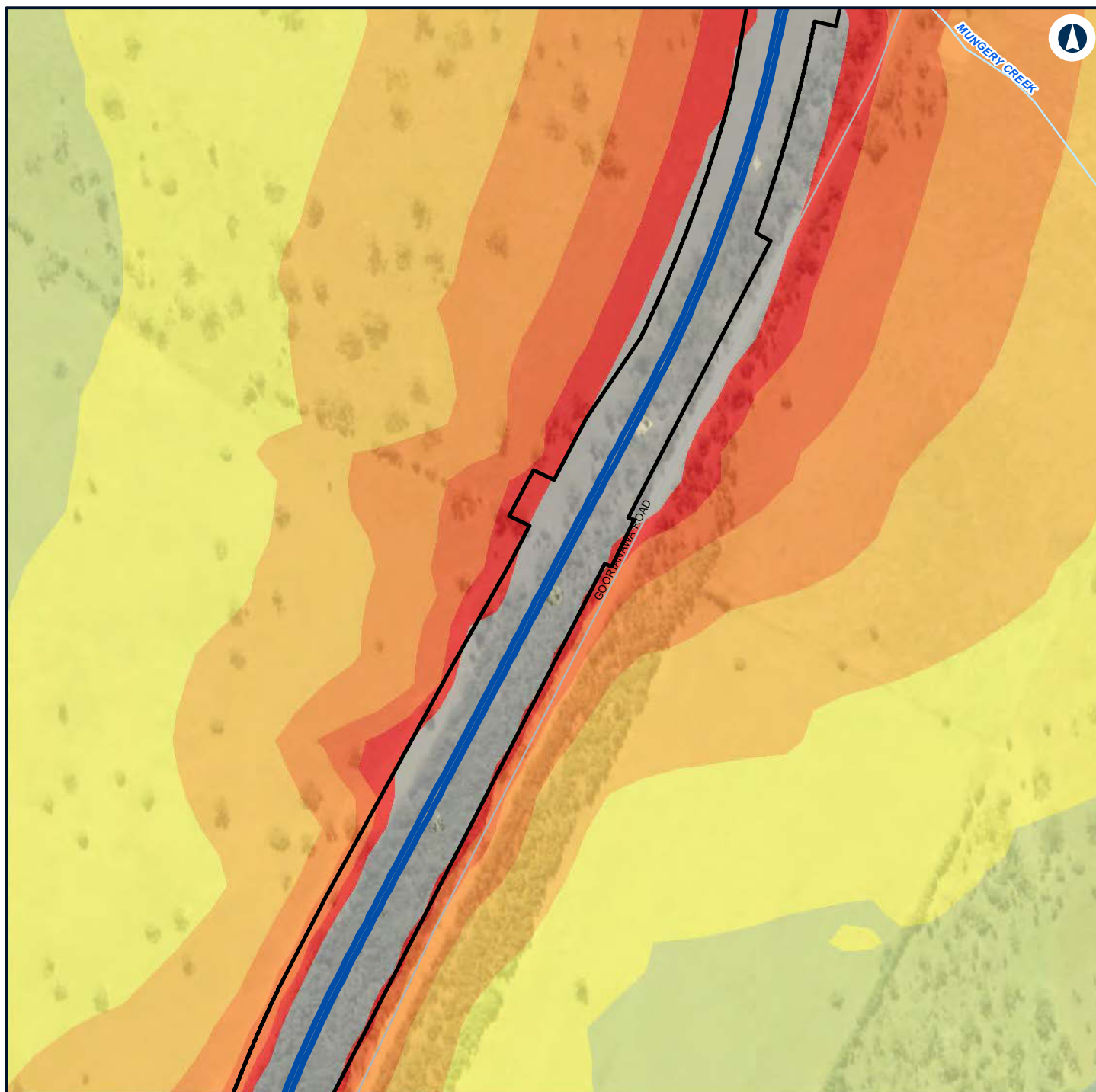
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LEGEND

Alignment	55 - 60
Construction footprint	60 - 65
Noise level (dBA L Aeq 15 minute)	65 - 70
40 - 45	70 - 75
45 - 50	> 75
50 - 55	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

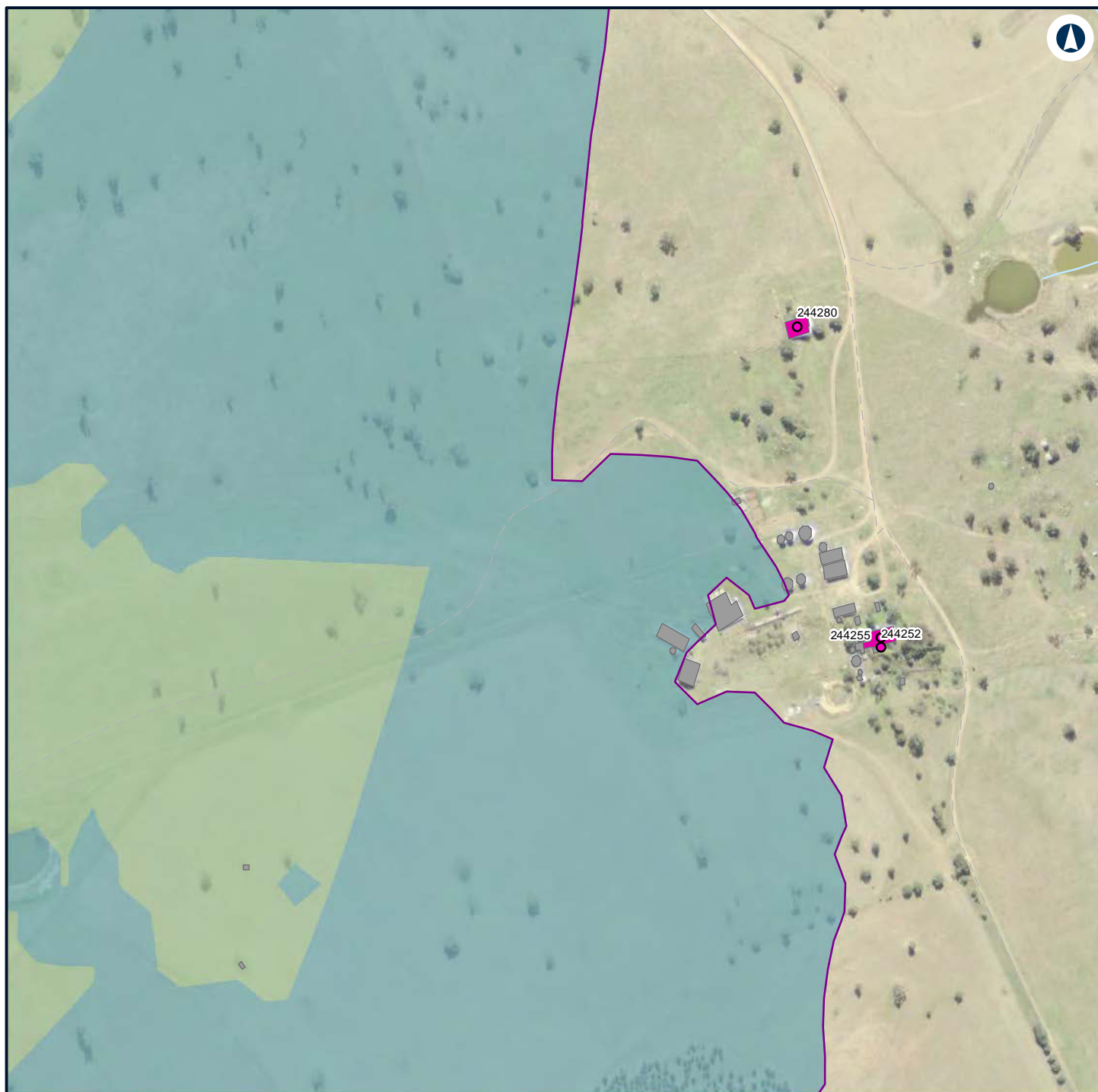
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

- Aeq 15 minute)
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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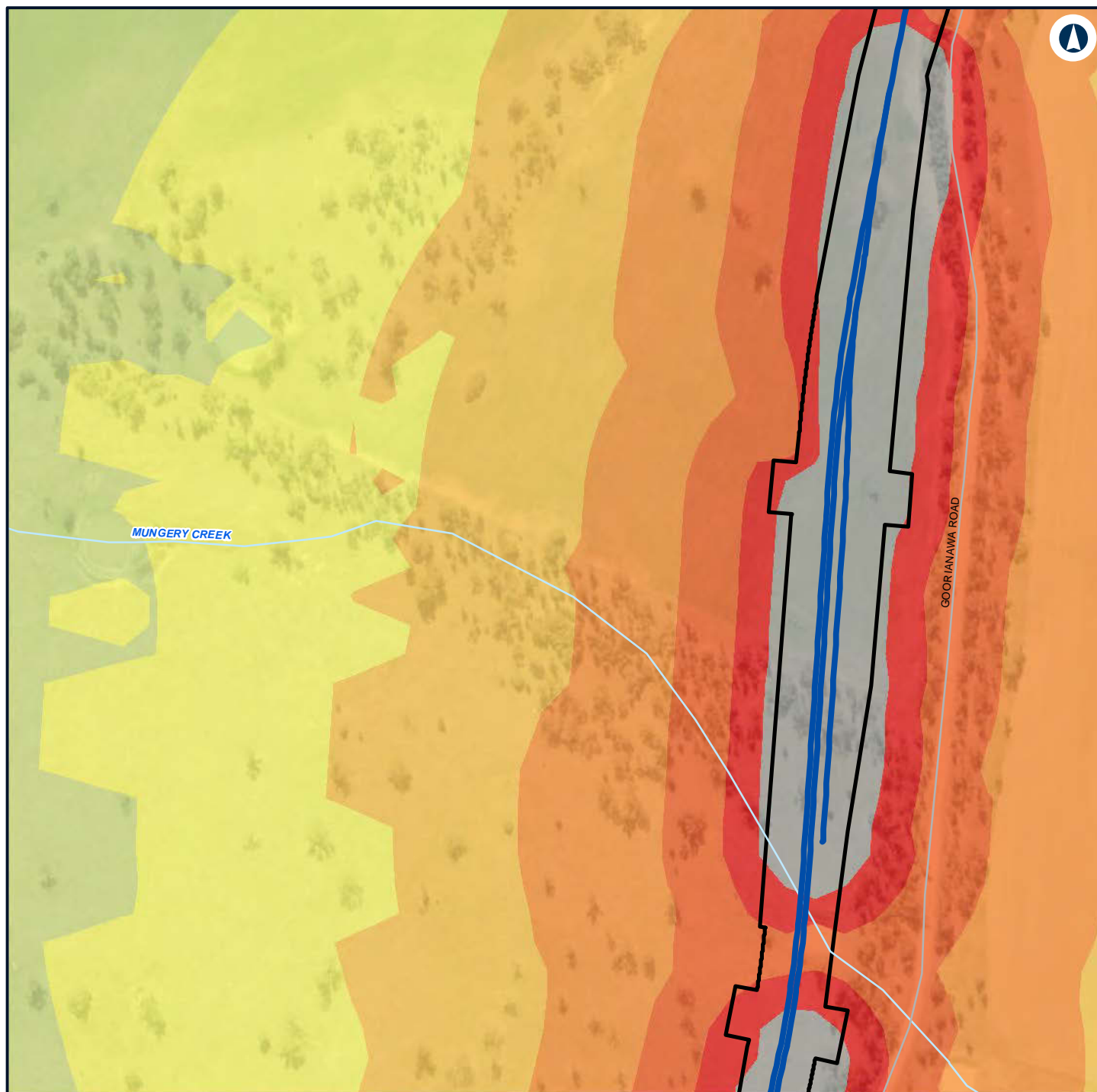
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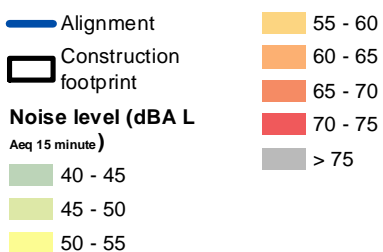
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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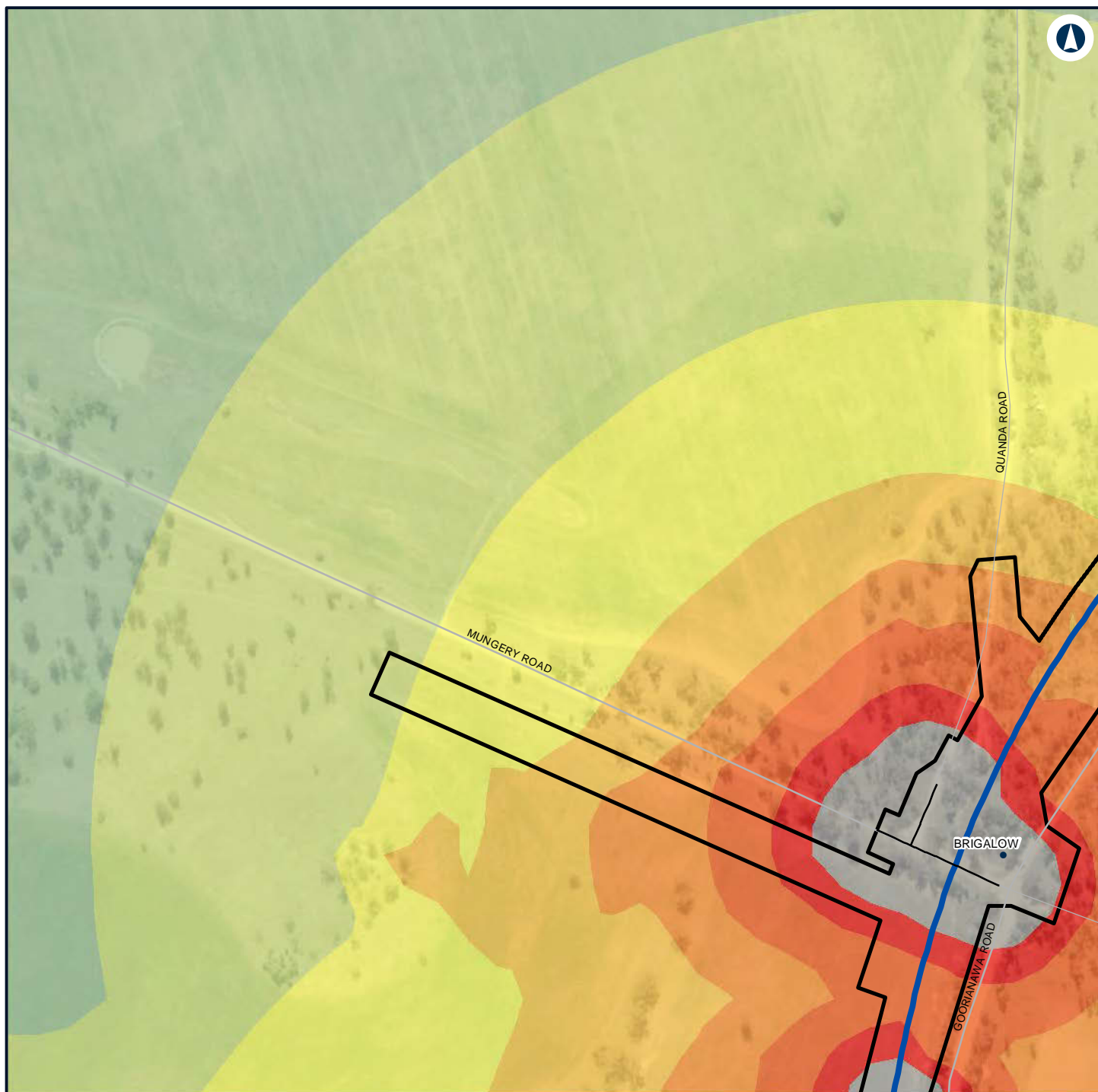
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LEGEND

- Alignment
 - Road design string
 - Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- | | |
|---|---|
| 40 - 45 | 50 - 55 |
| 45 - 50 | 55 - 60 |
| | 60 - 65 |
| | 65 - 70 |
| | 70 - 75 |
| | > 75 |



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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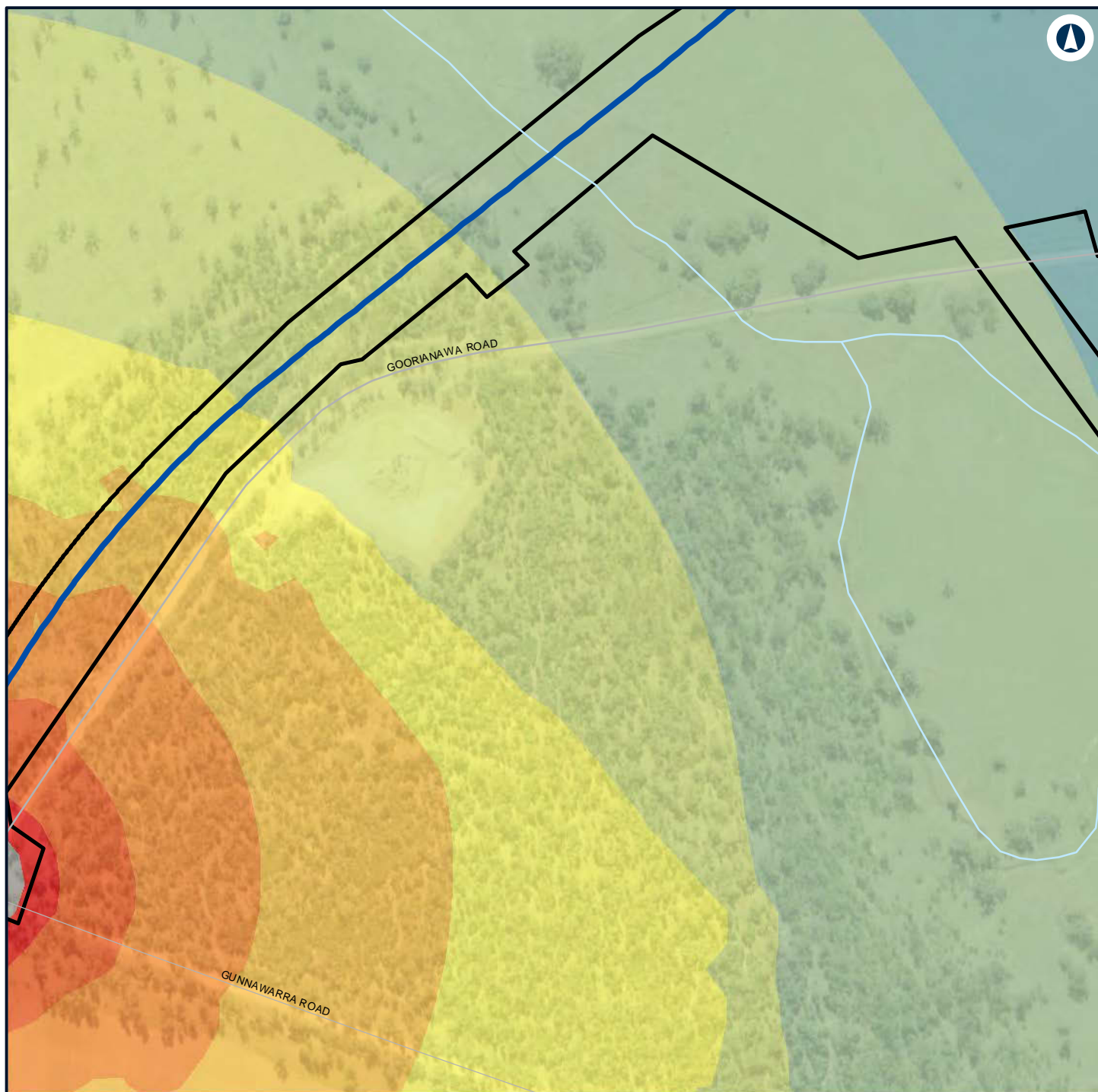
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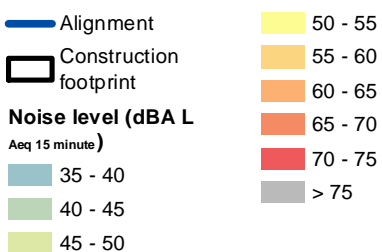
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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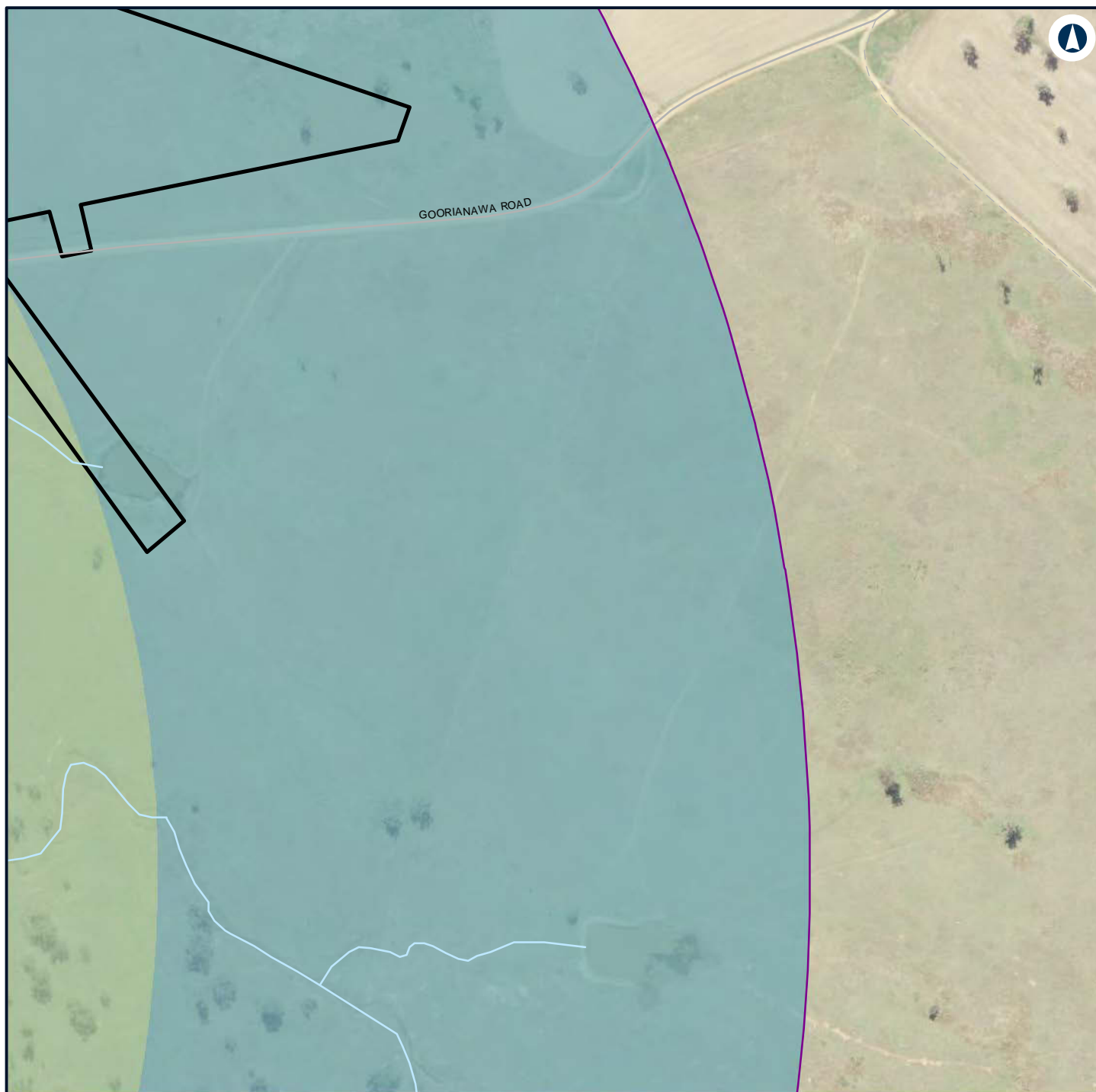
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LEGEND

-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

-  35 - 40
-  40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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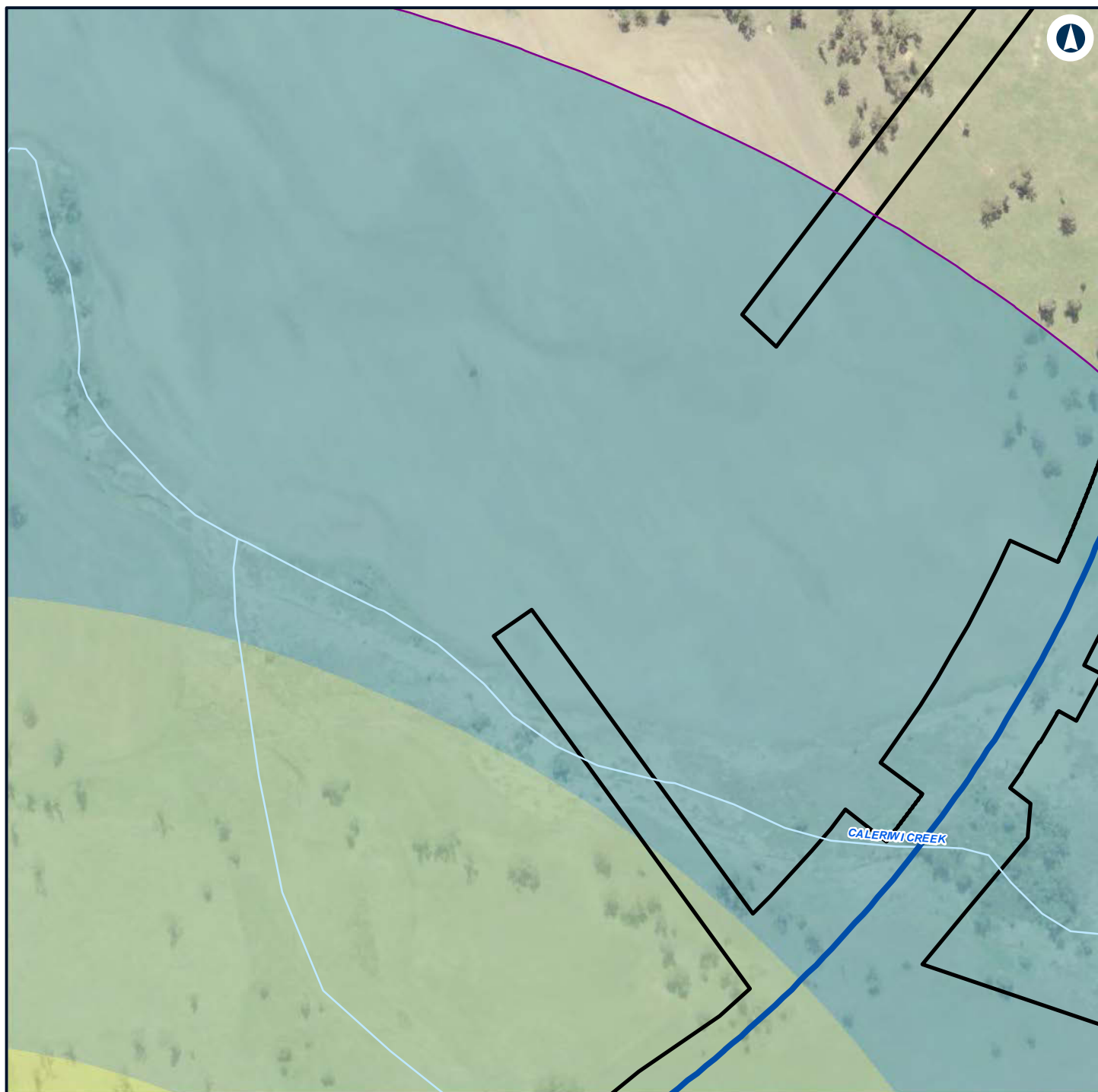
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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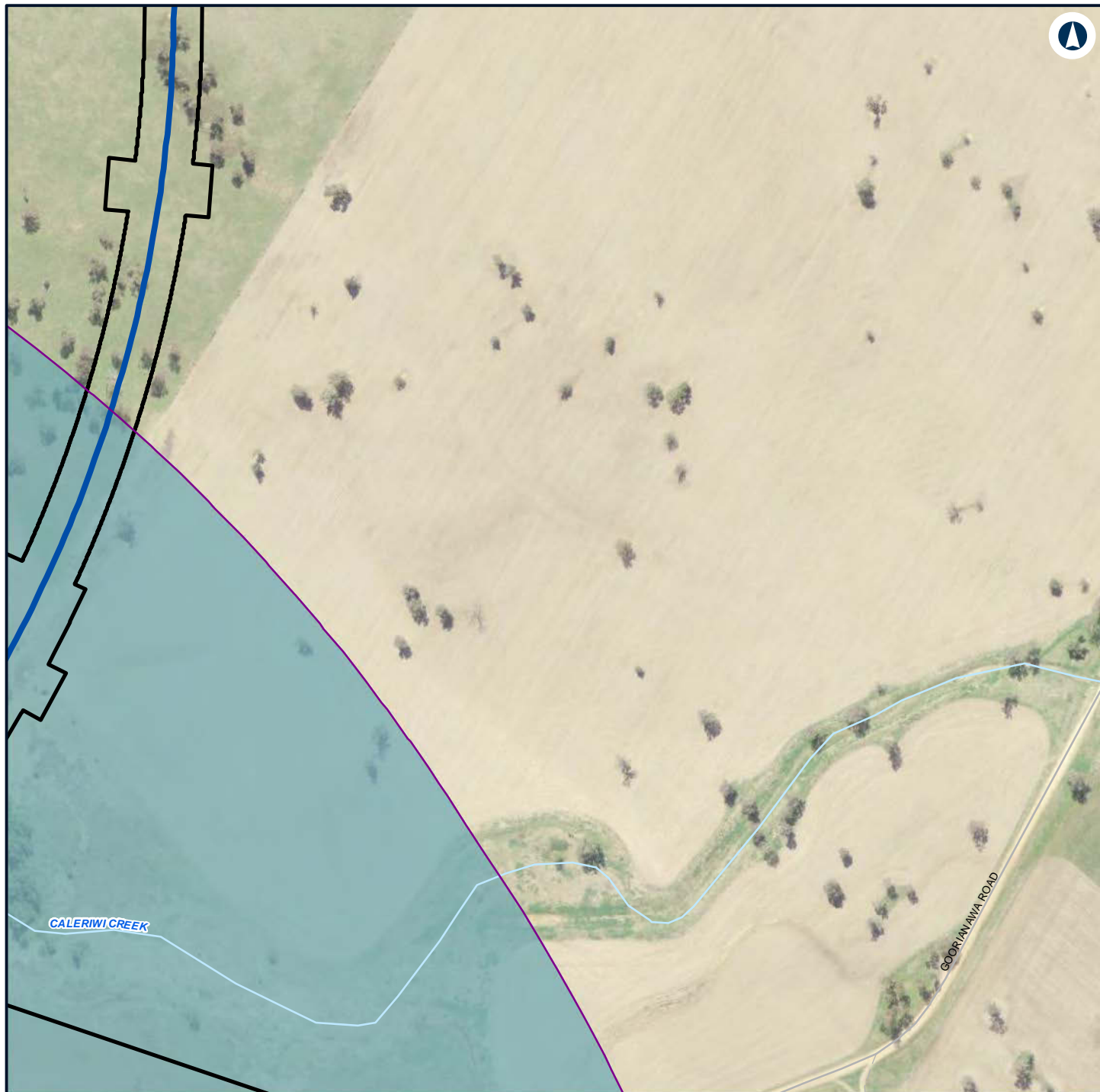
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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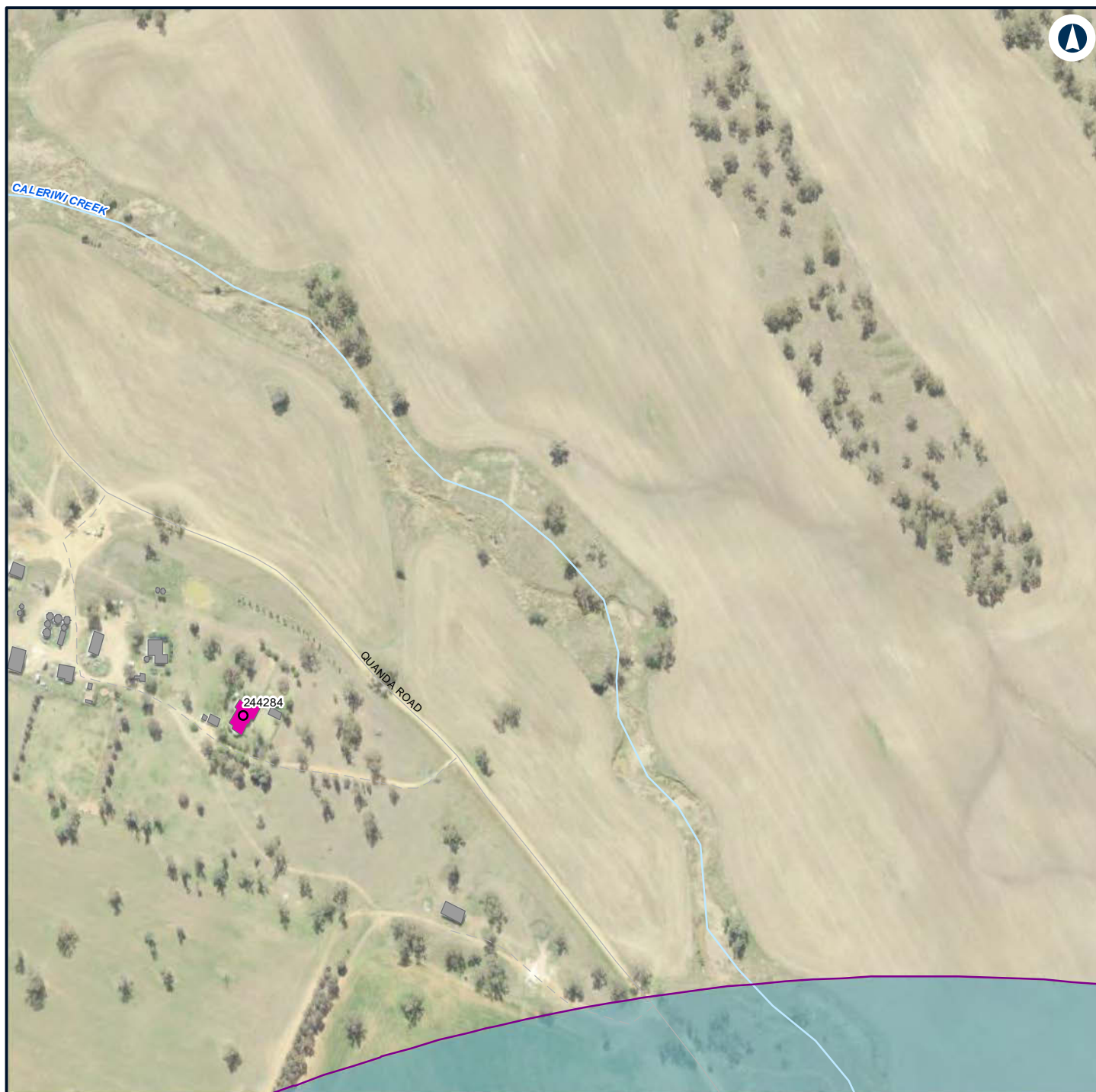
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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LEGEND

-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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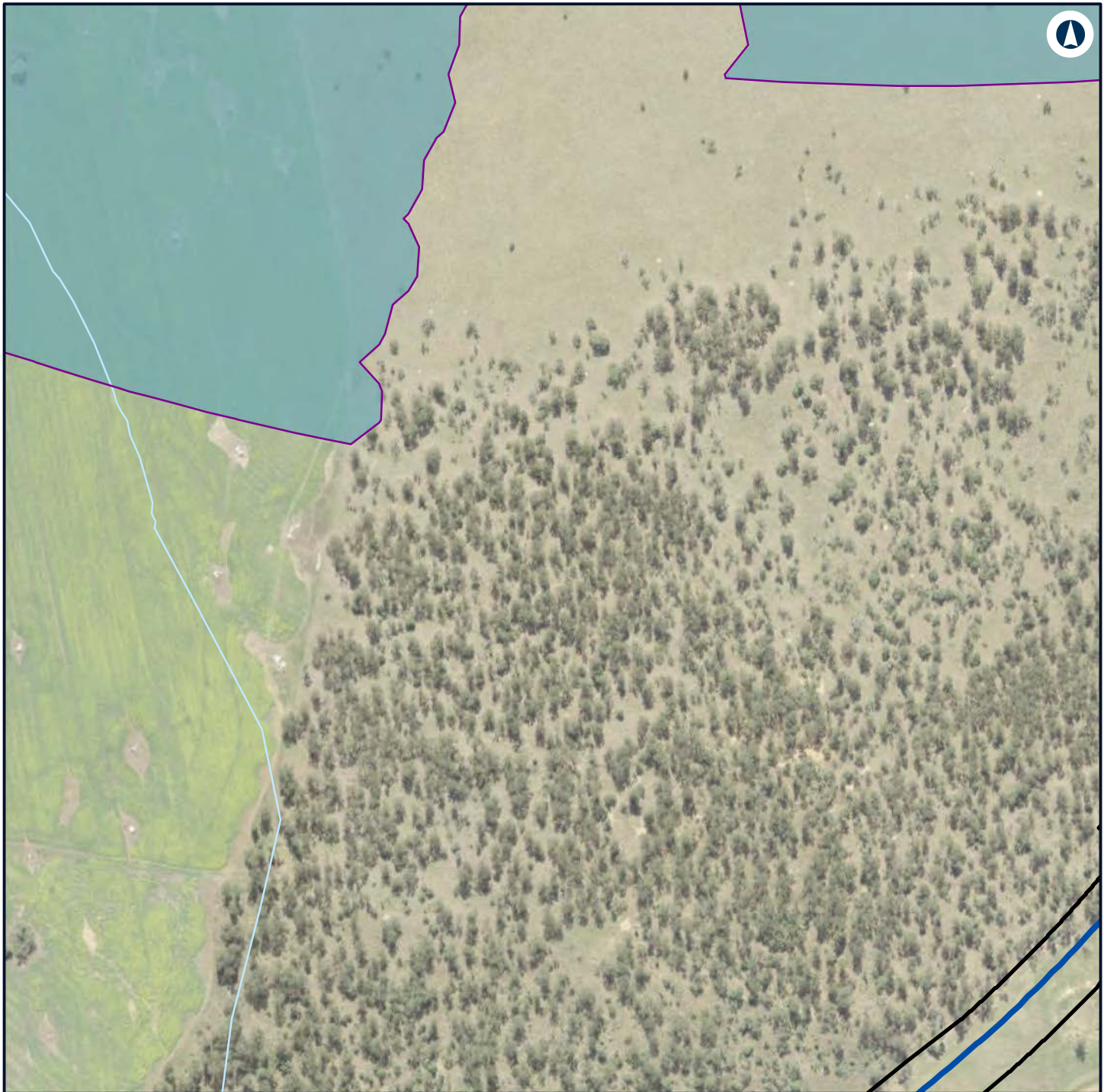
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LEGEND

-  Alignment
-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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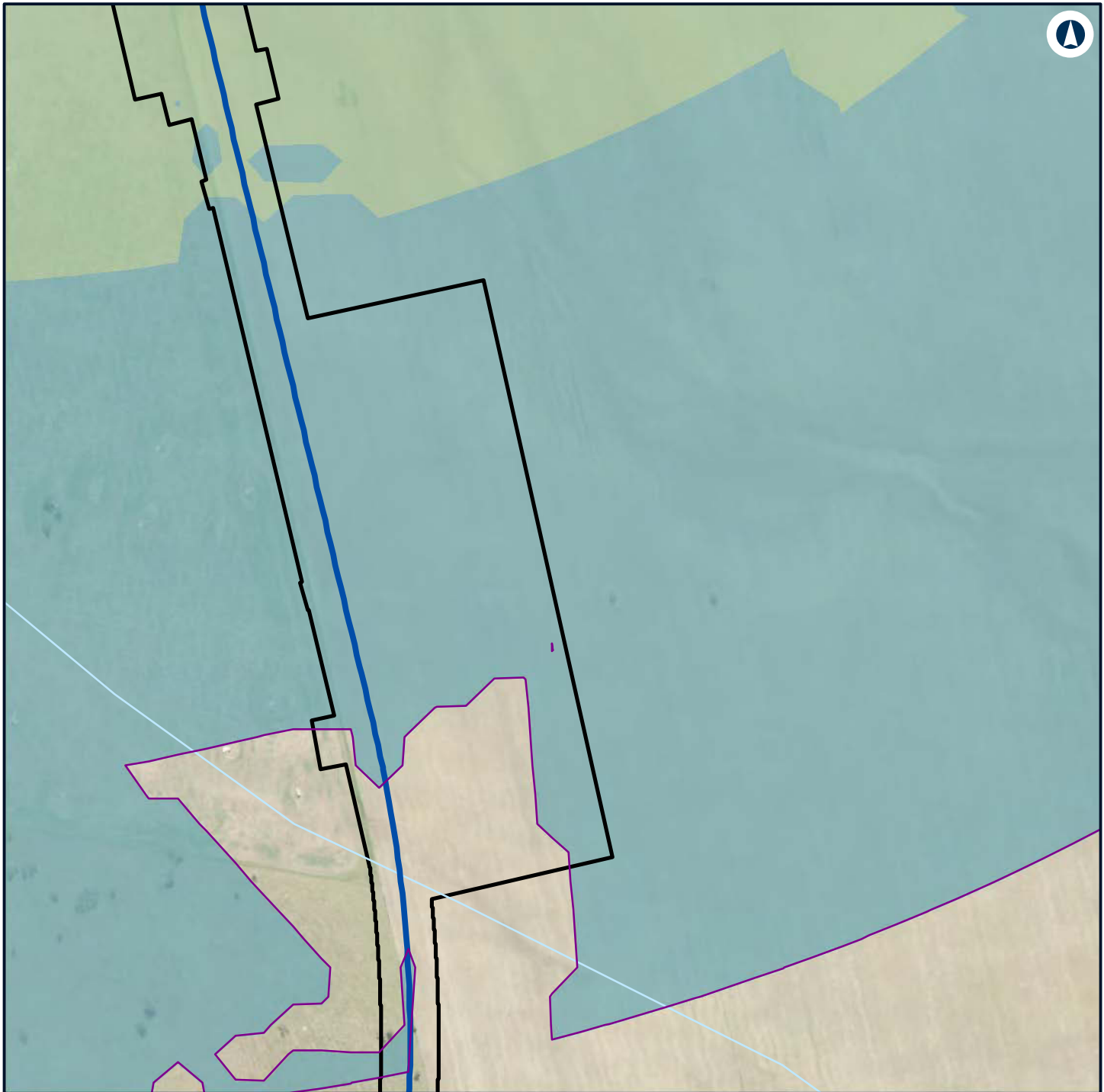
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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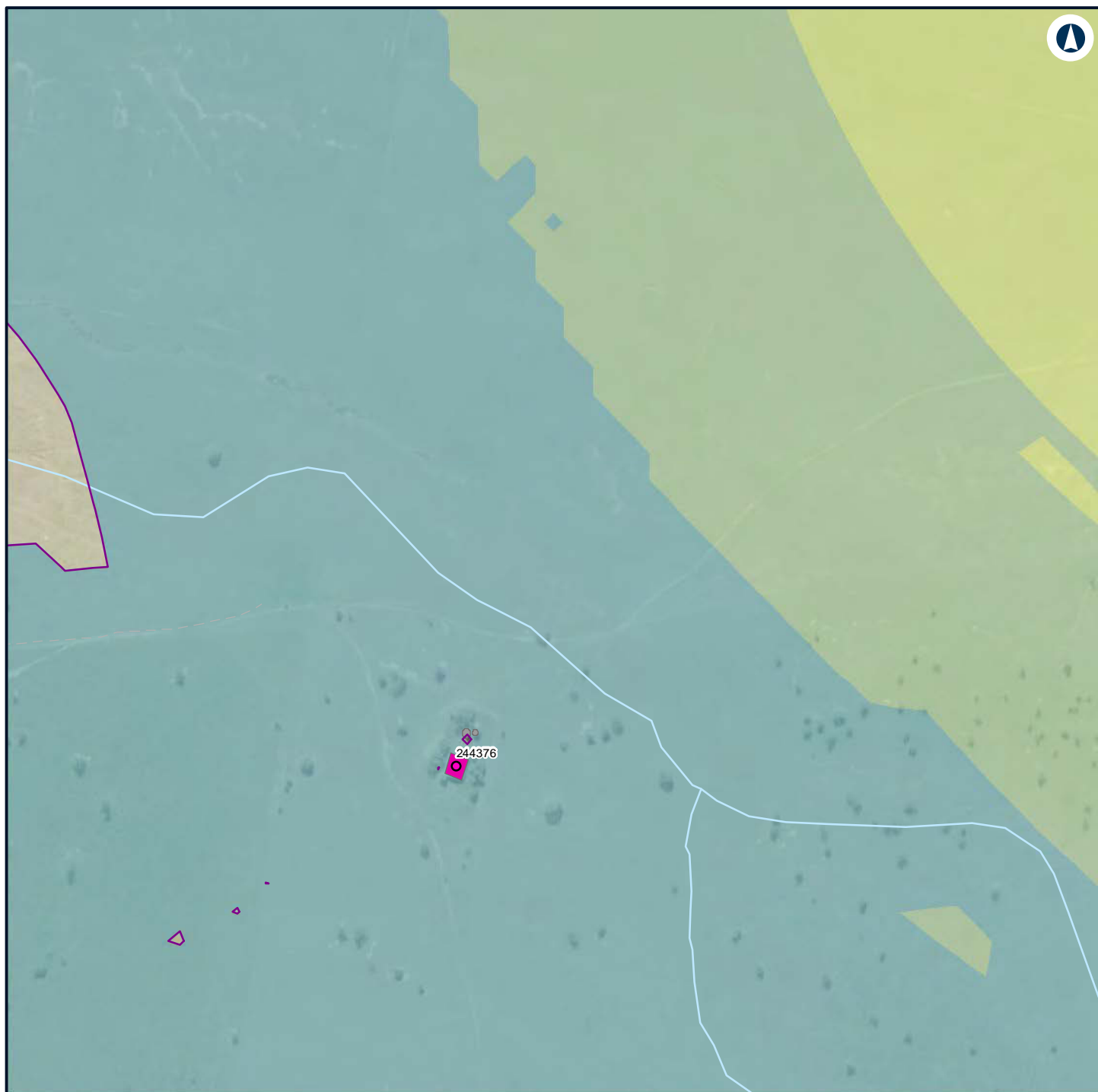
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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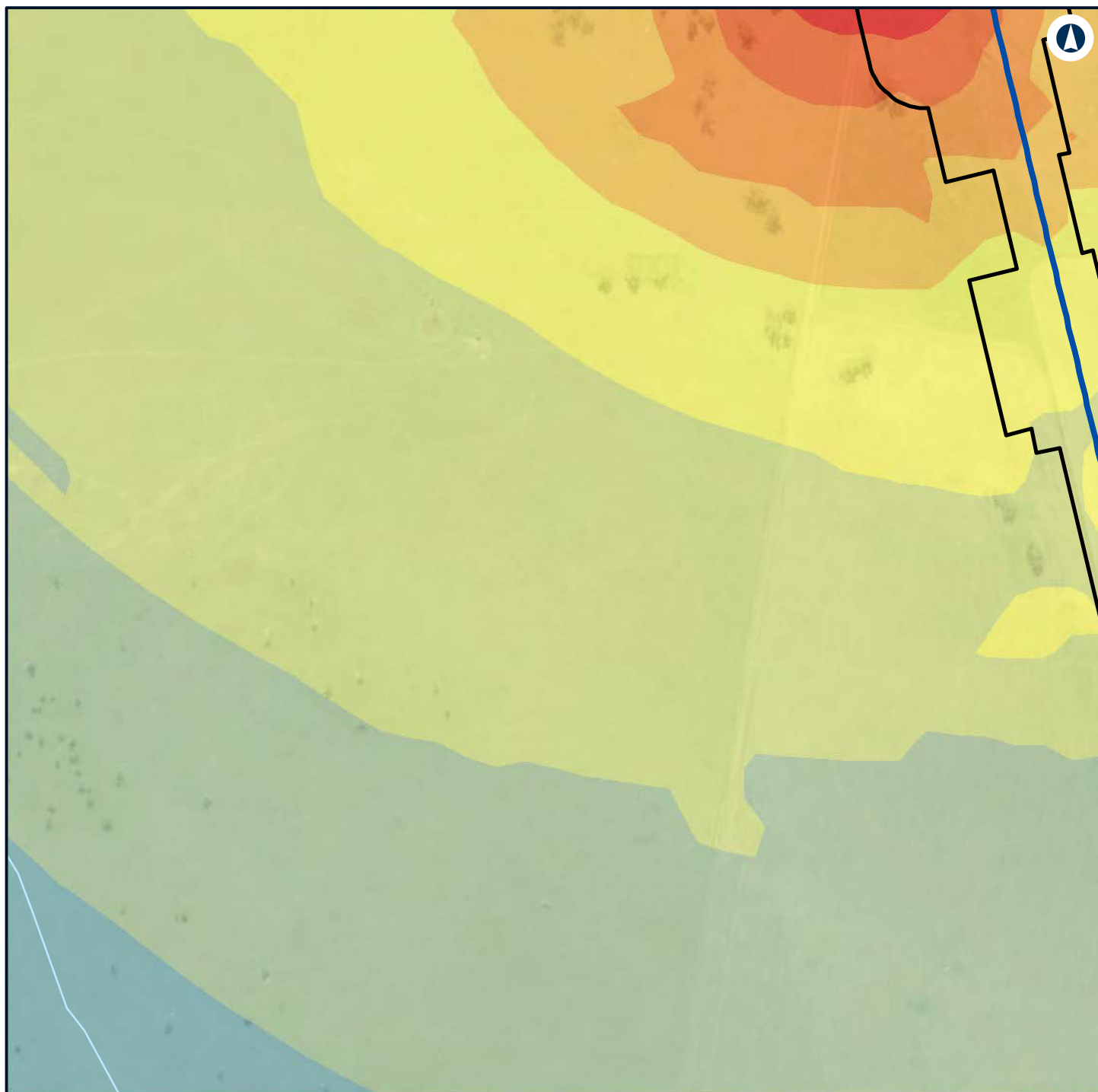
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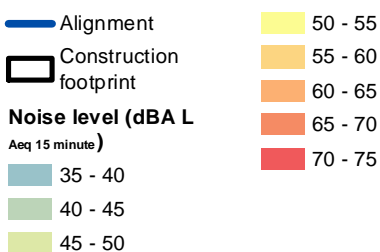
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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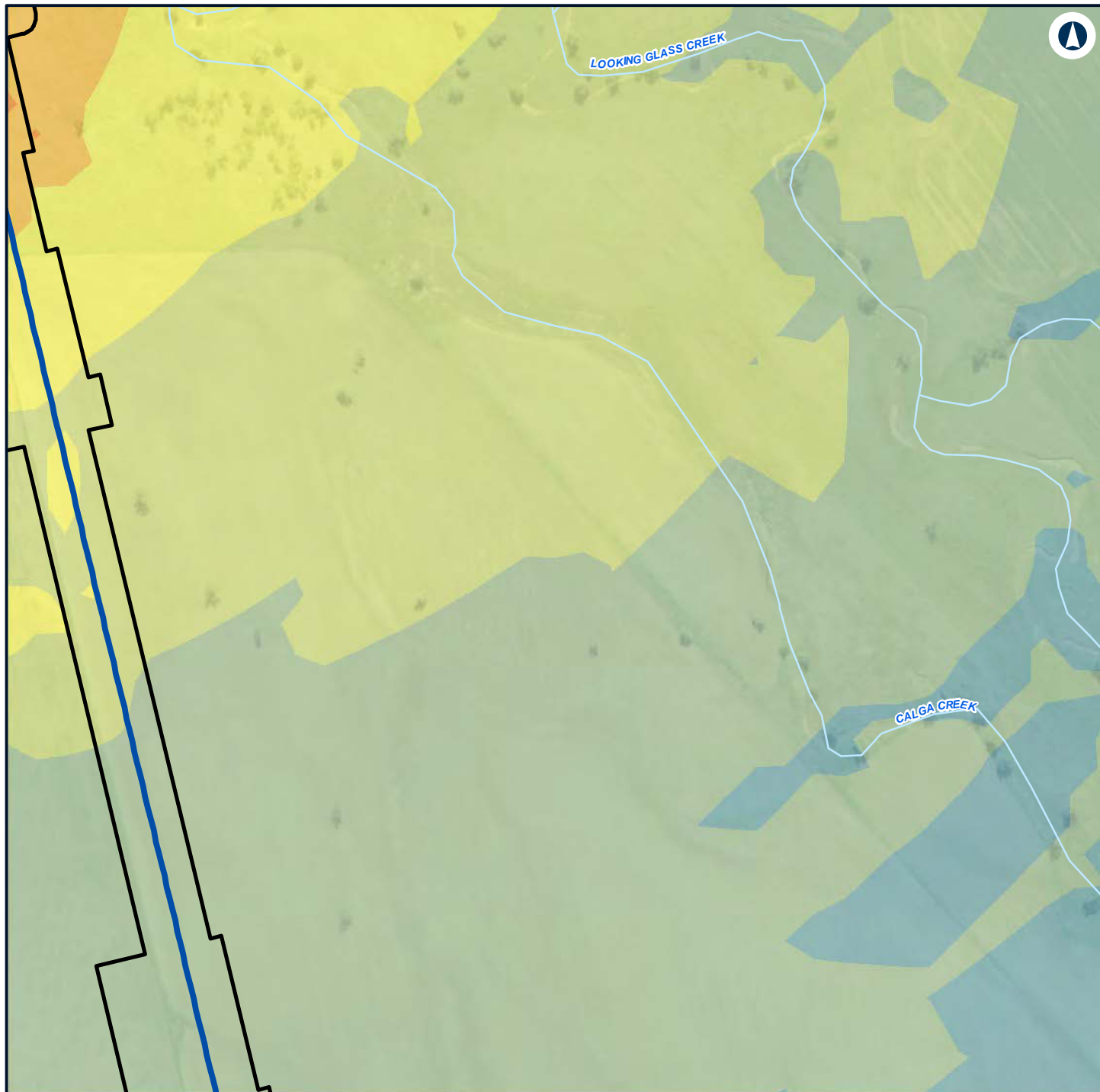
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60
- 60 - 65

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

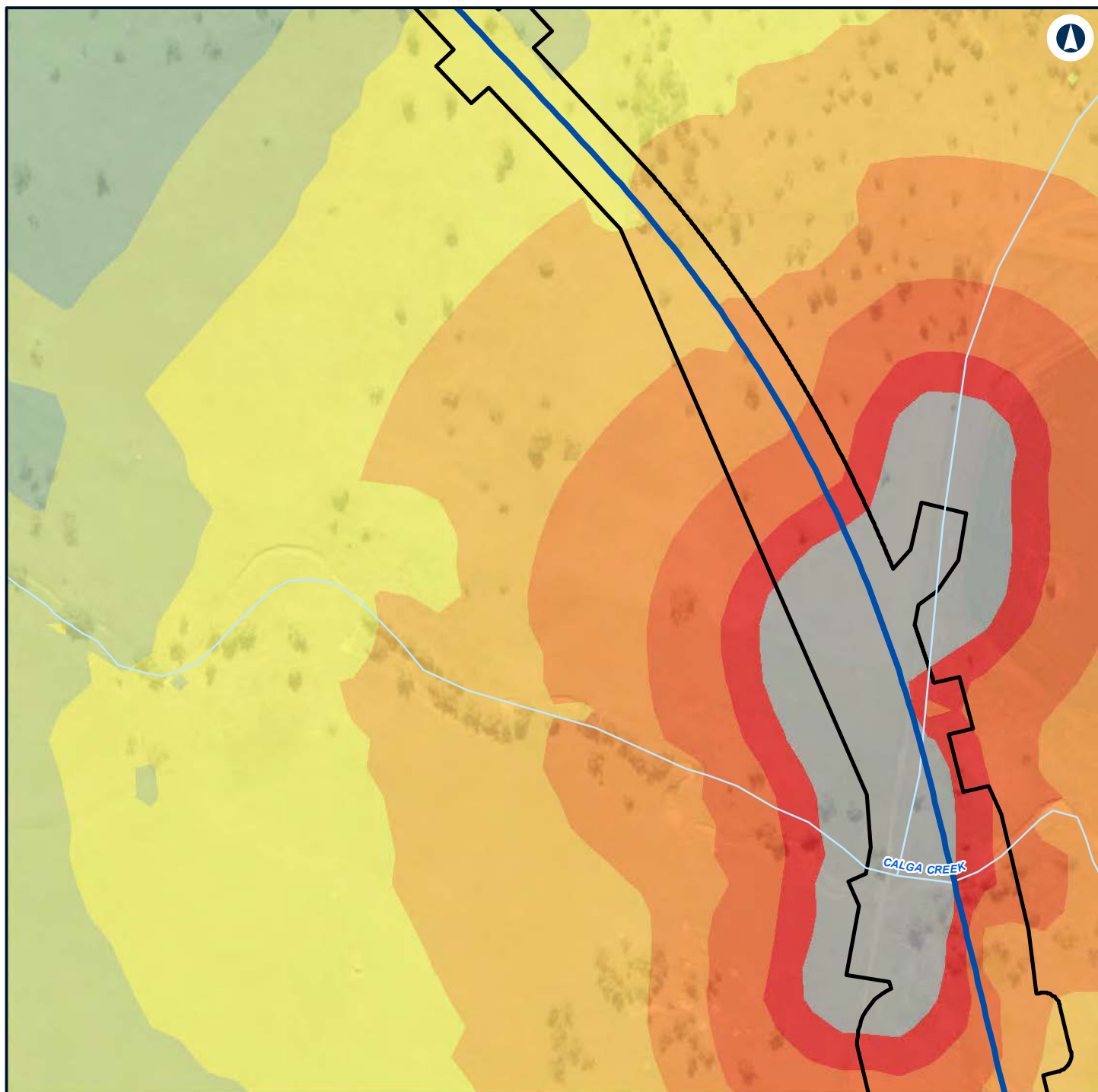
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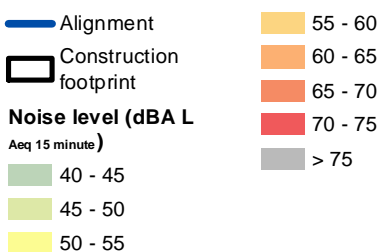
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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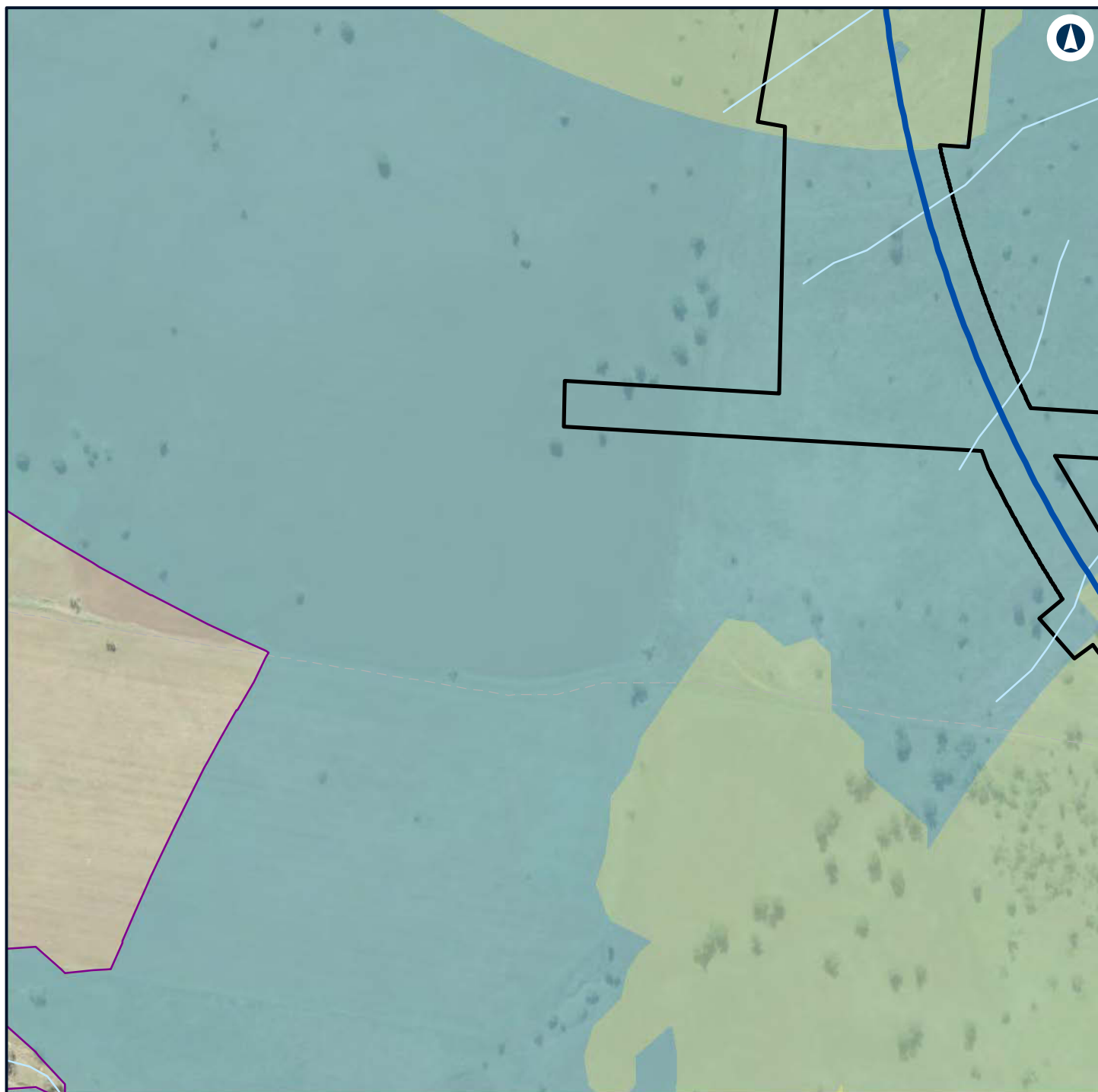
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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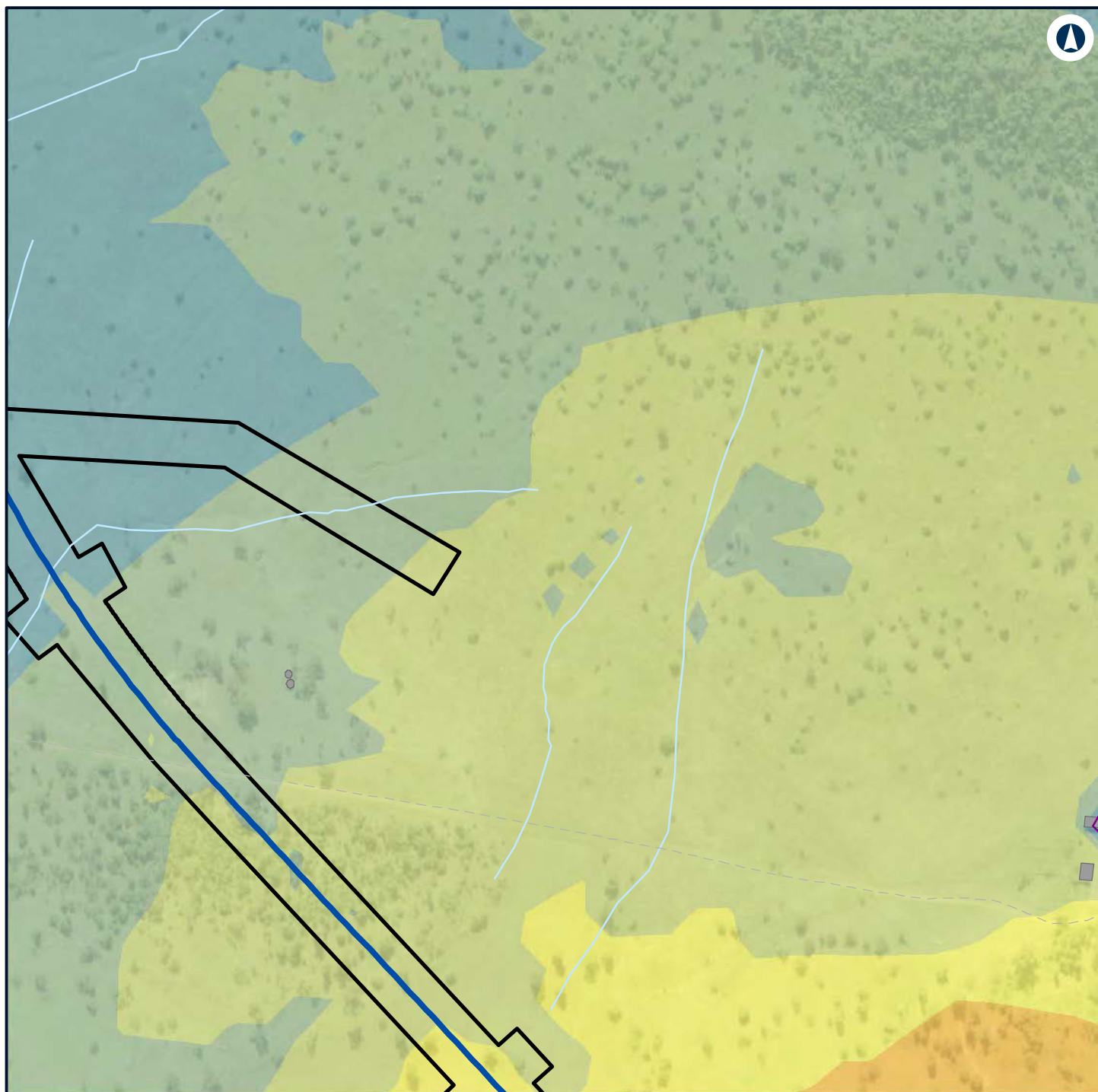
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)	
	35 - 40
	40 - 45
	45 - 50
	50 - 55
	55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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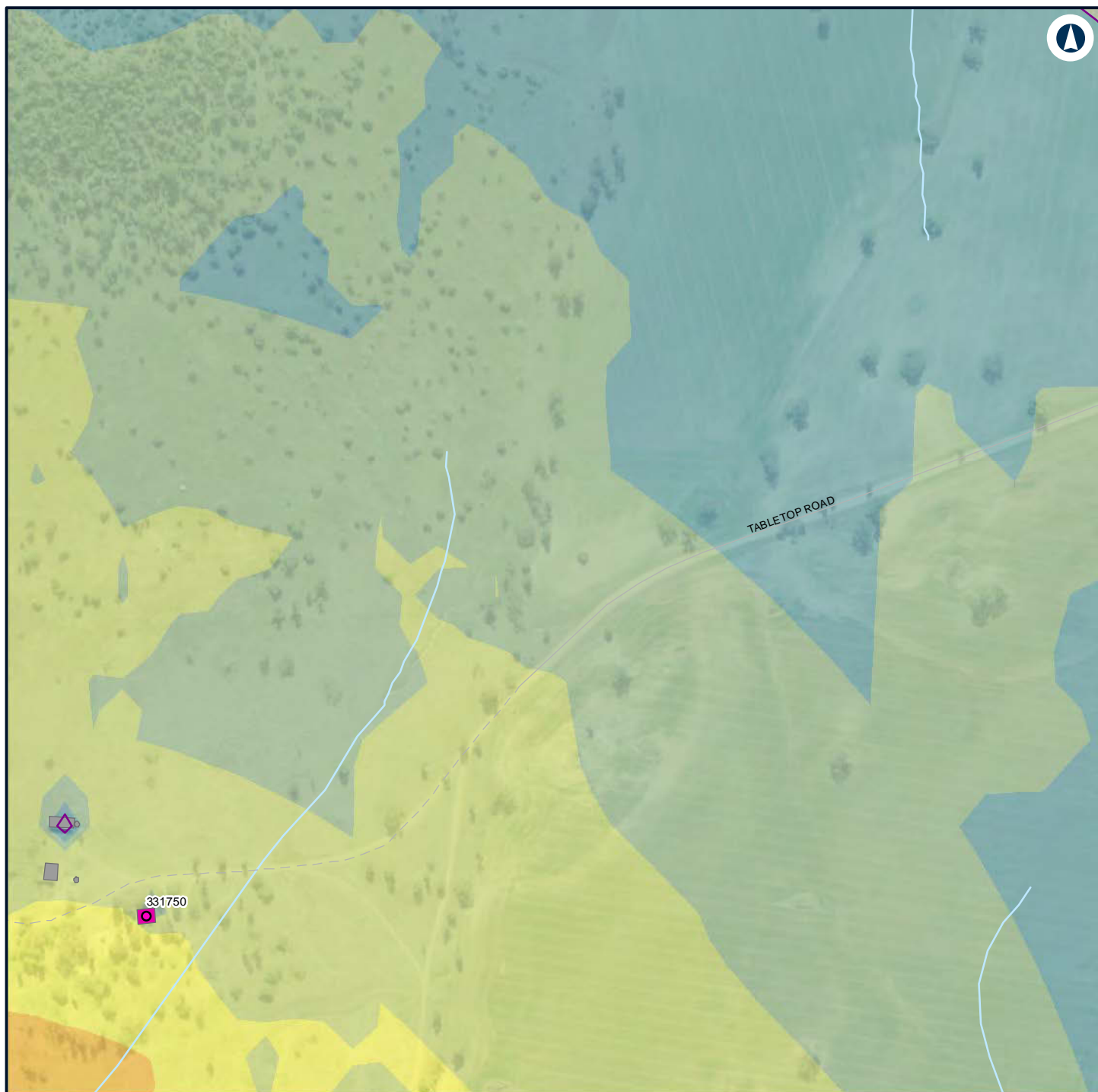
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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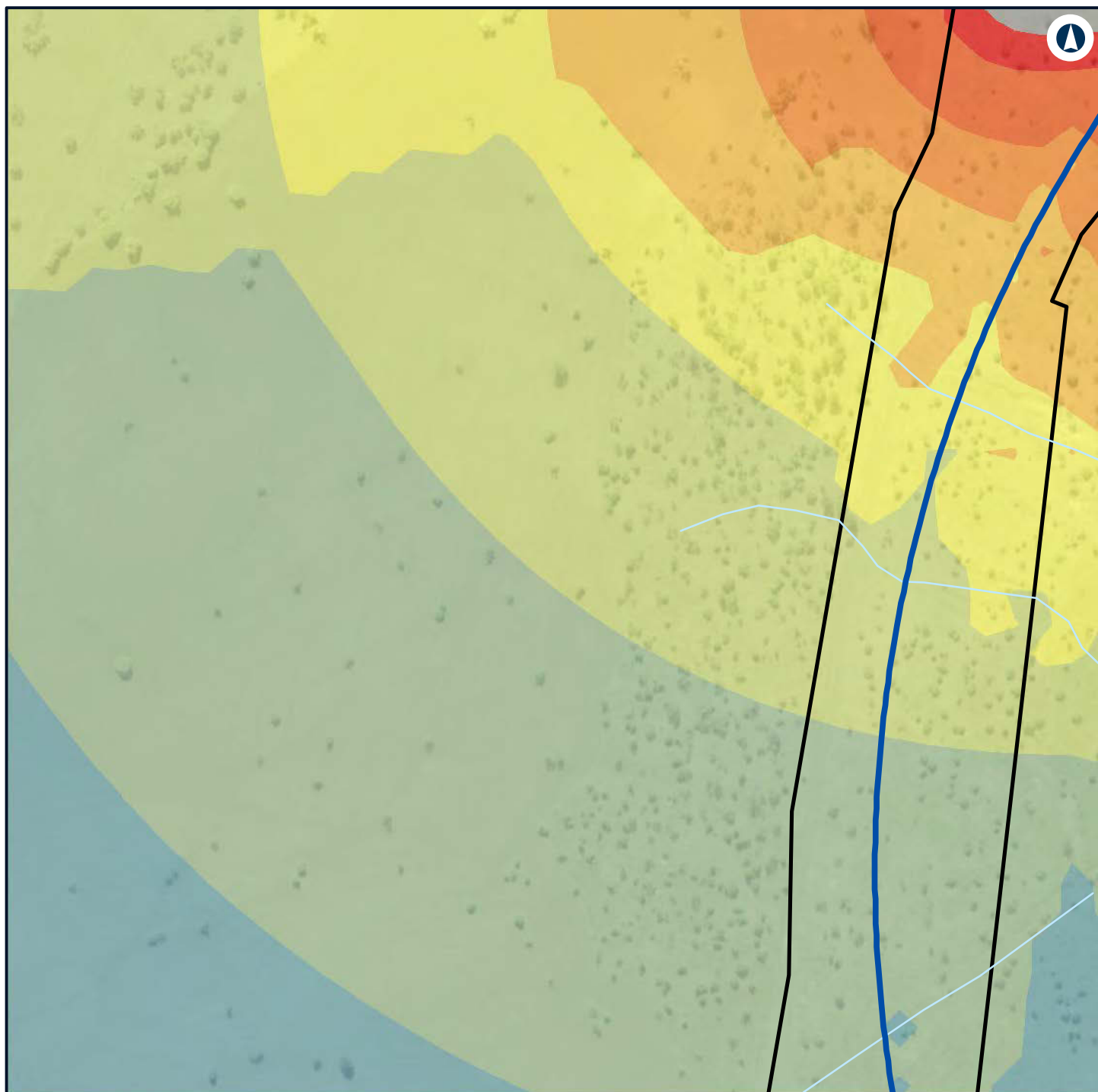
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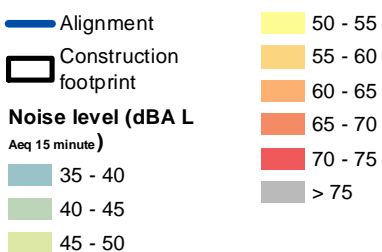
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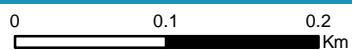
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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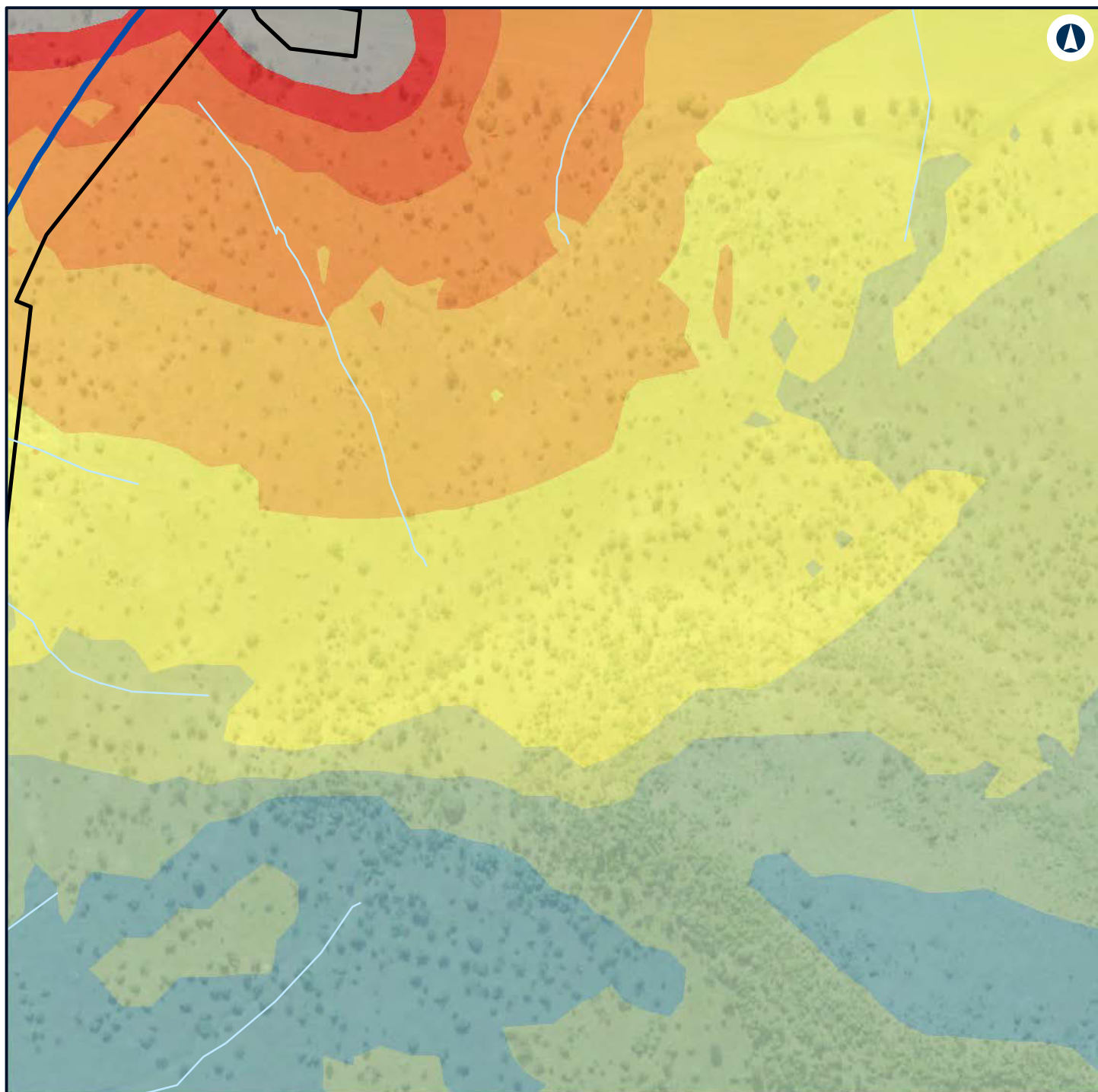
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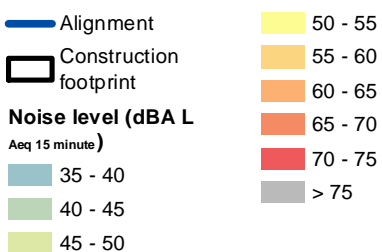
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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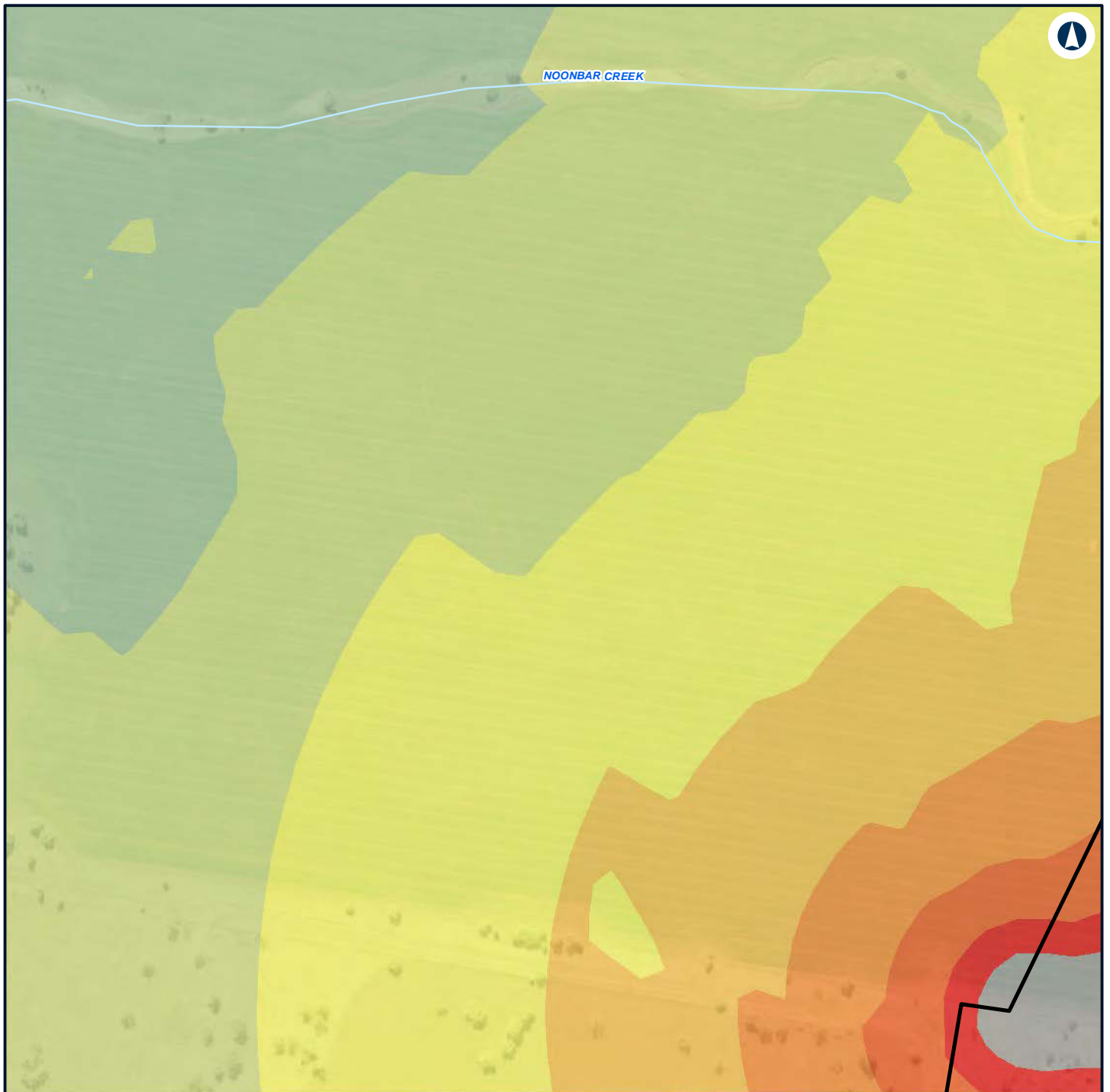
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LEGEND

Construction footprint

**Noise level (dBA L
Aeq 15 minute)**

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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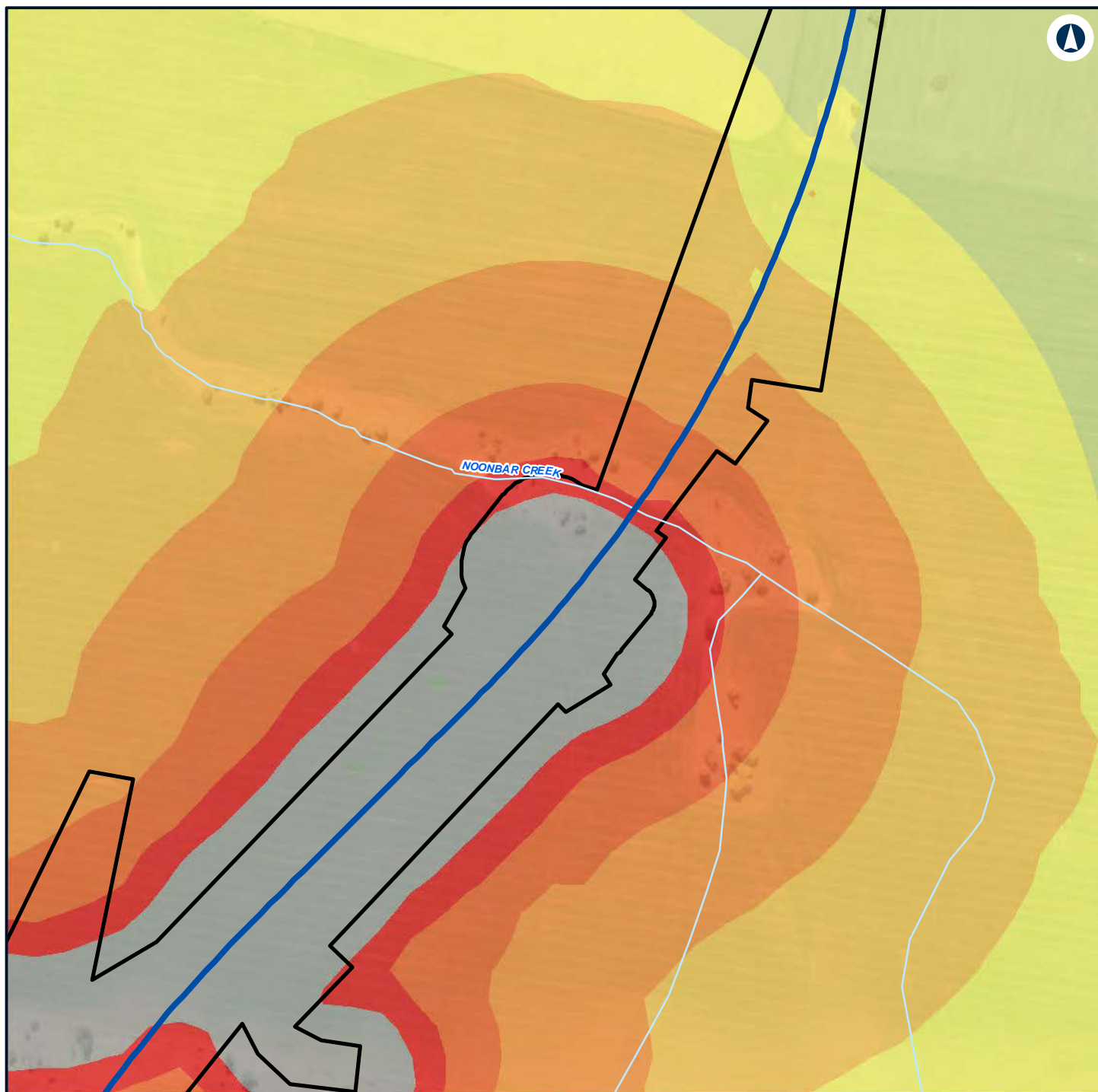
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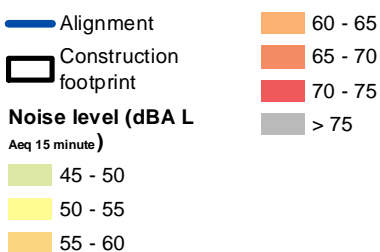
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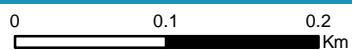
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60
- 60 - 65

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

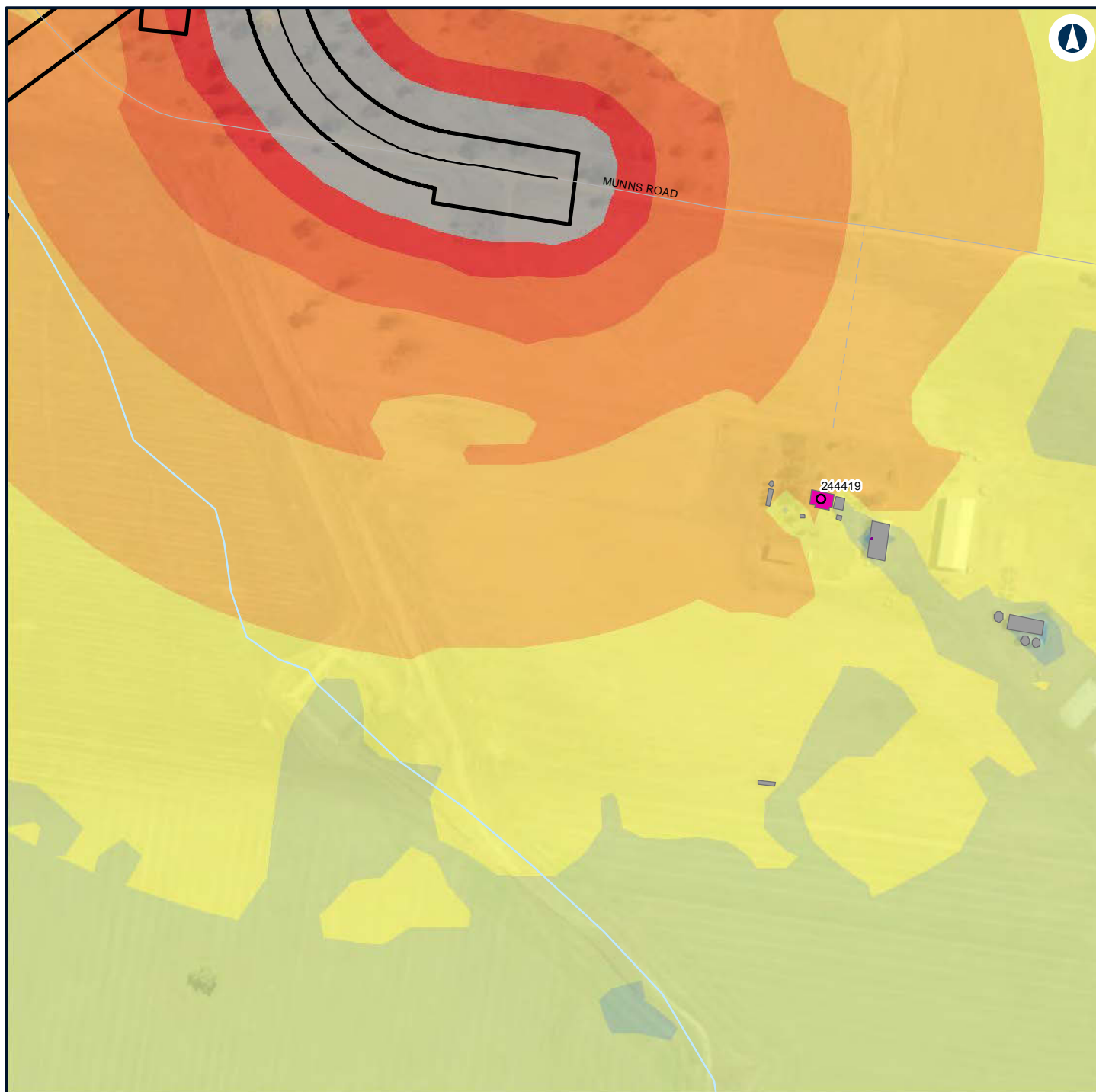
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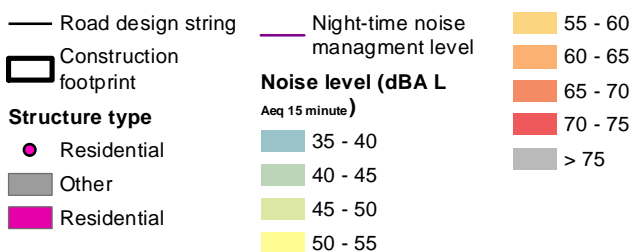
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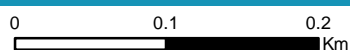
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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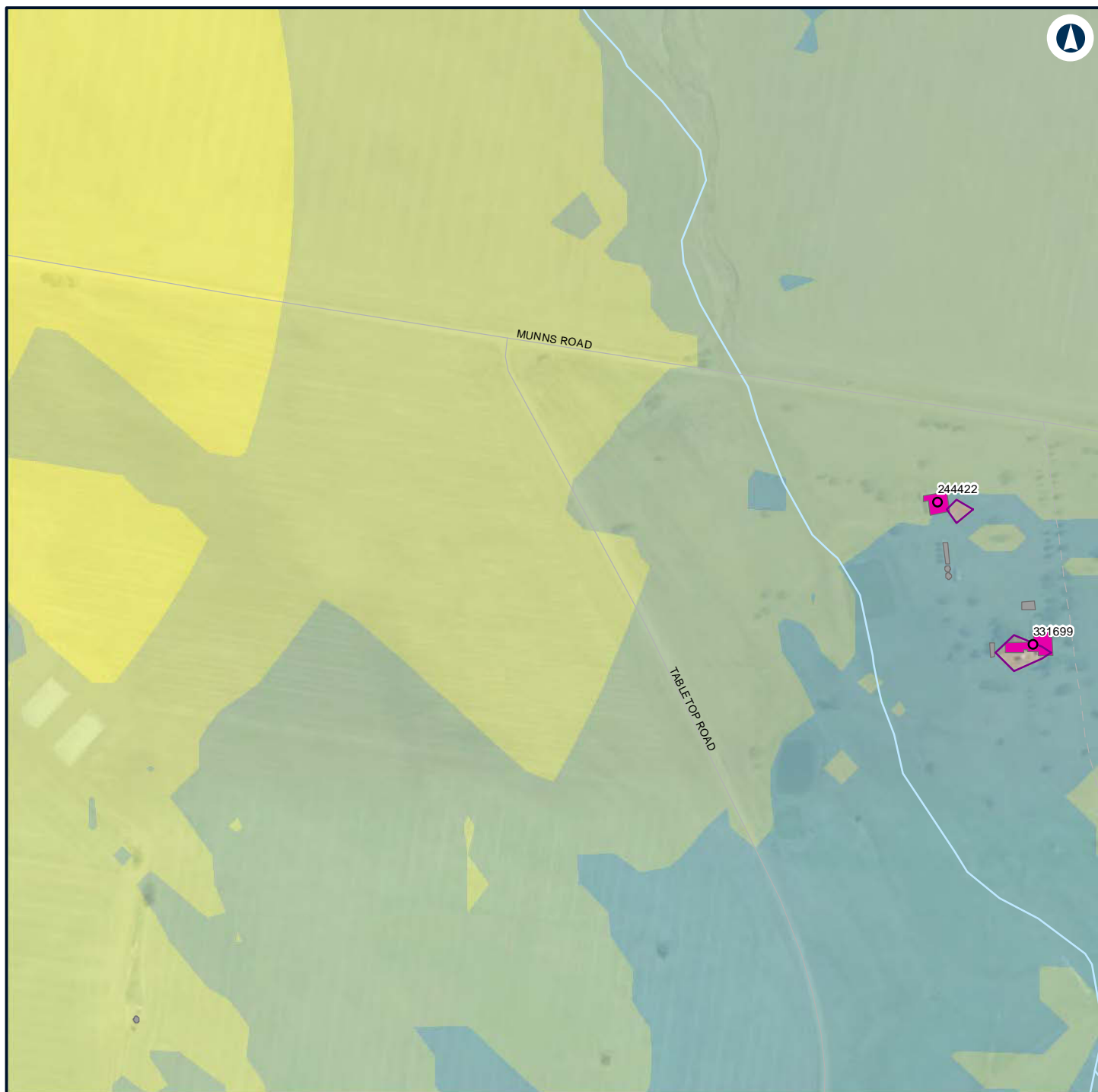
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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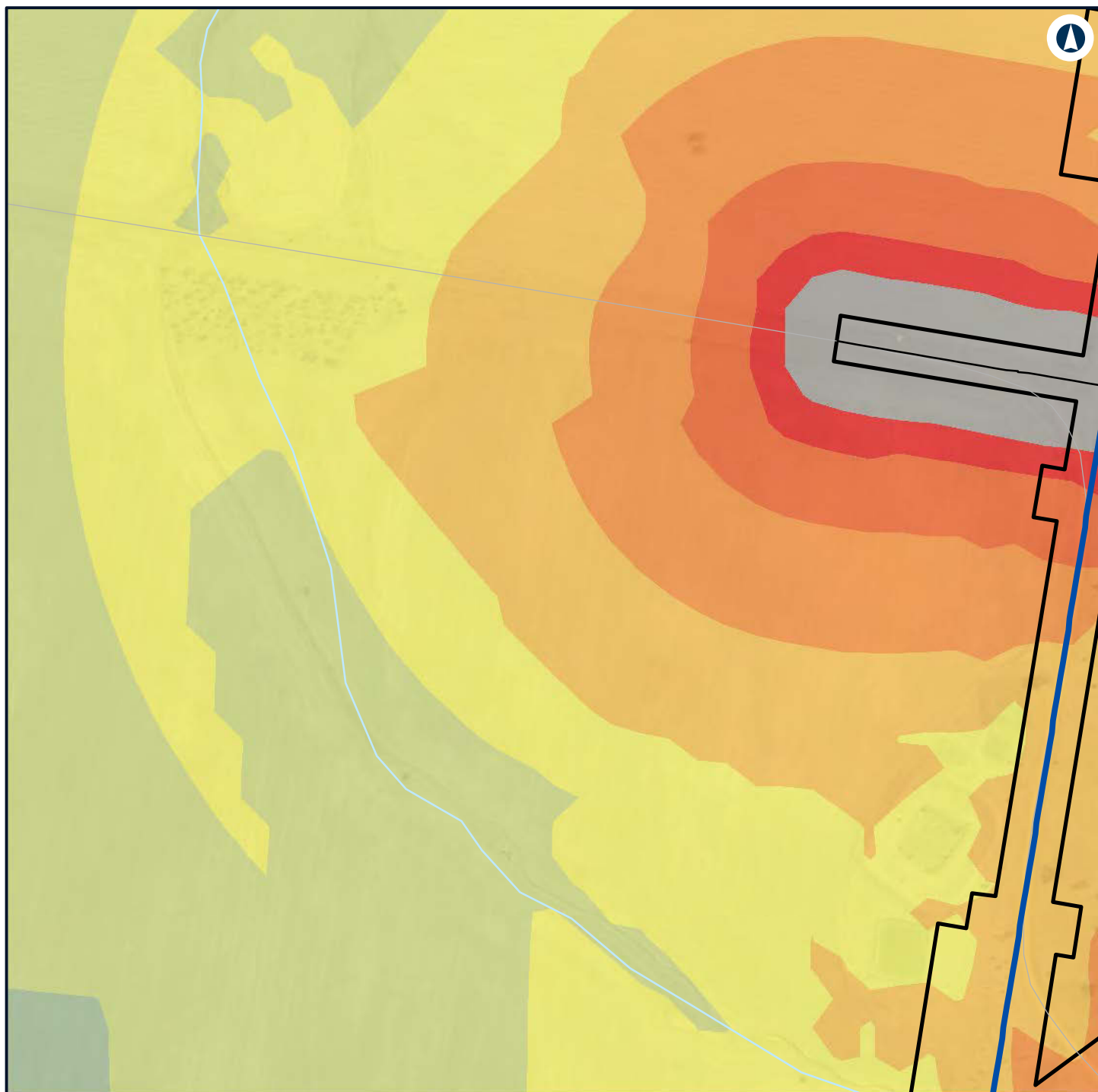
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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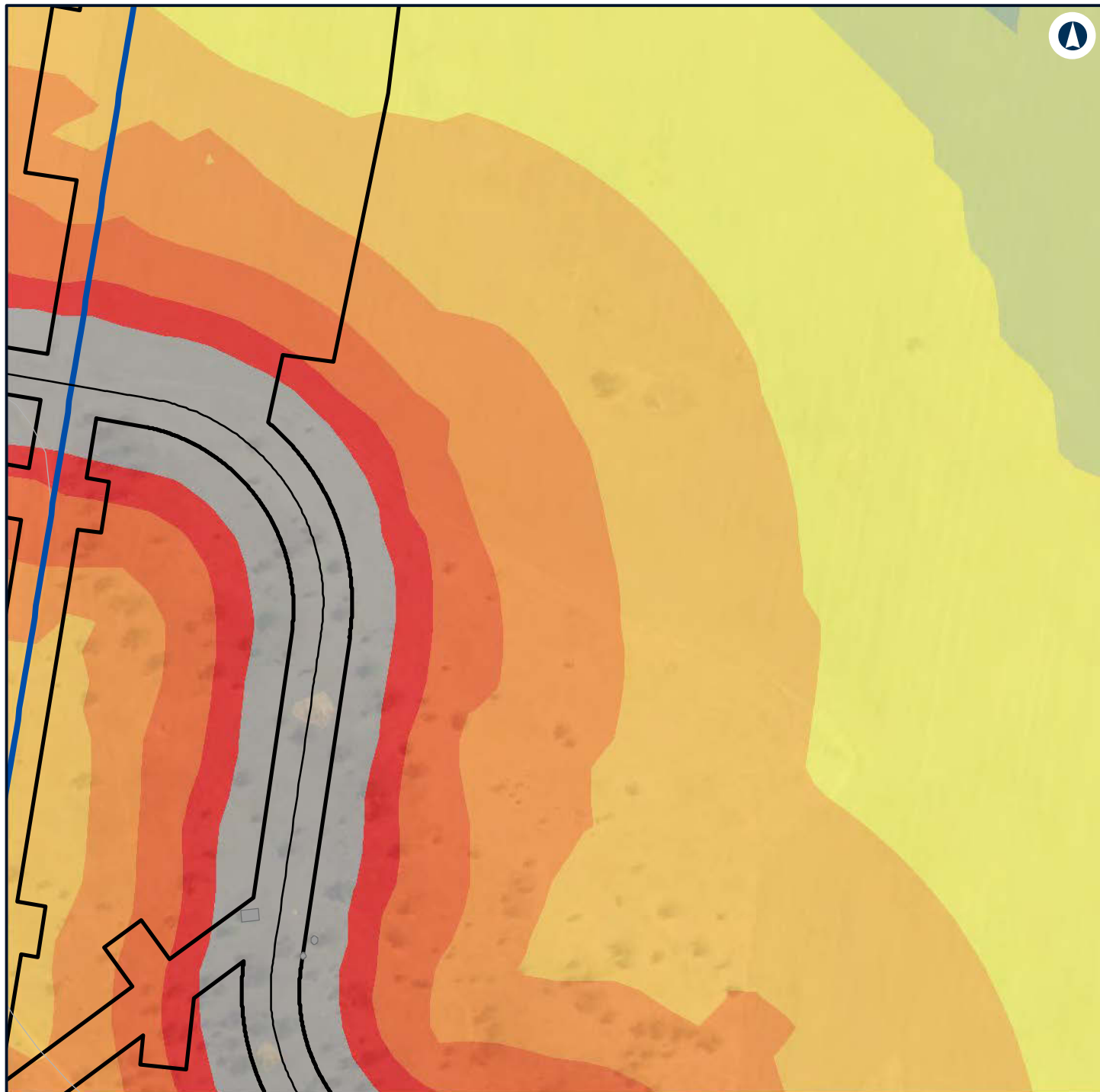
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LEGEND

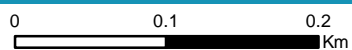
Alignment	45 - 50
Road design string	50 - 55
Construction footprint	55 - 60
Other	60 - 65
Noise level (dBA L	65 - 70
Aeq 15 minute)	70 - 75
40 - 45	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Coordinate System: GDA 1994 MGA Zone 55

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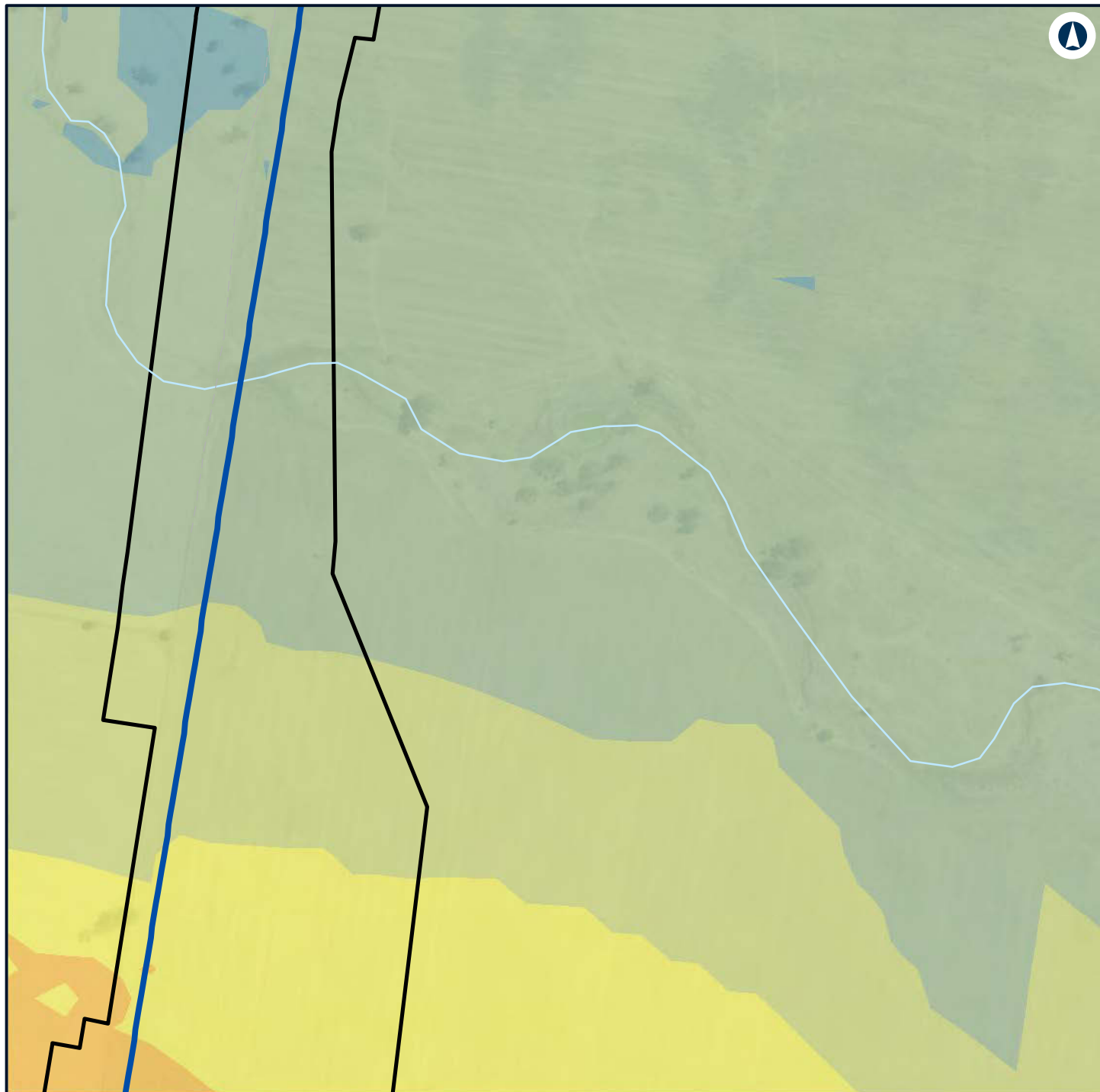
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

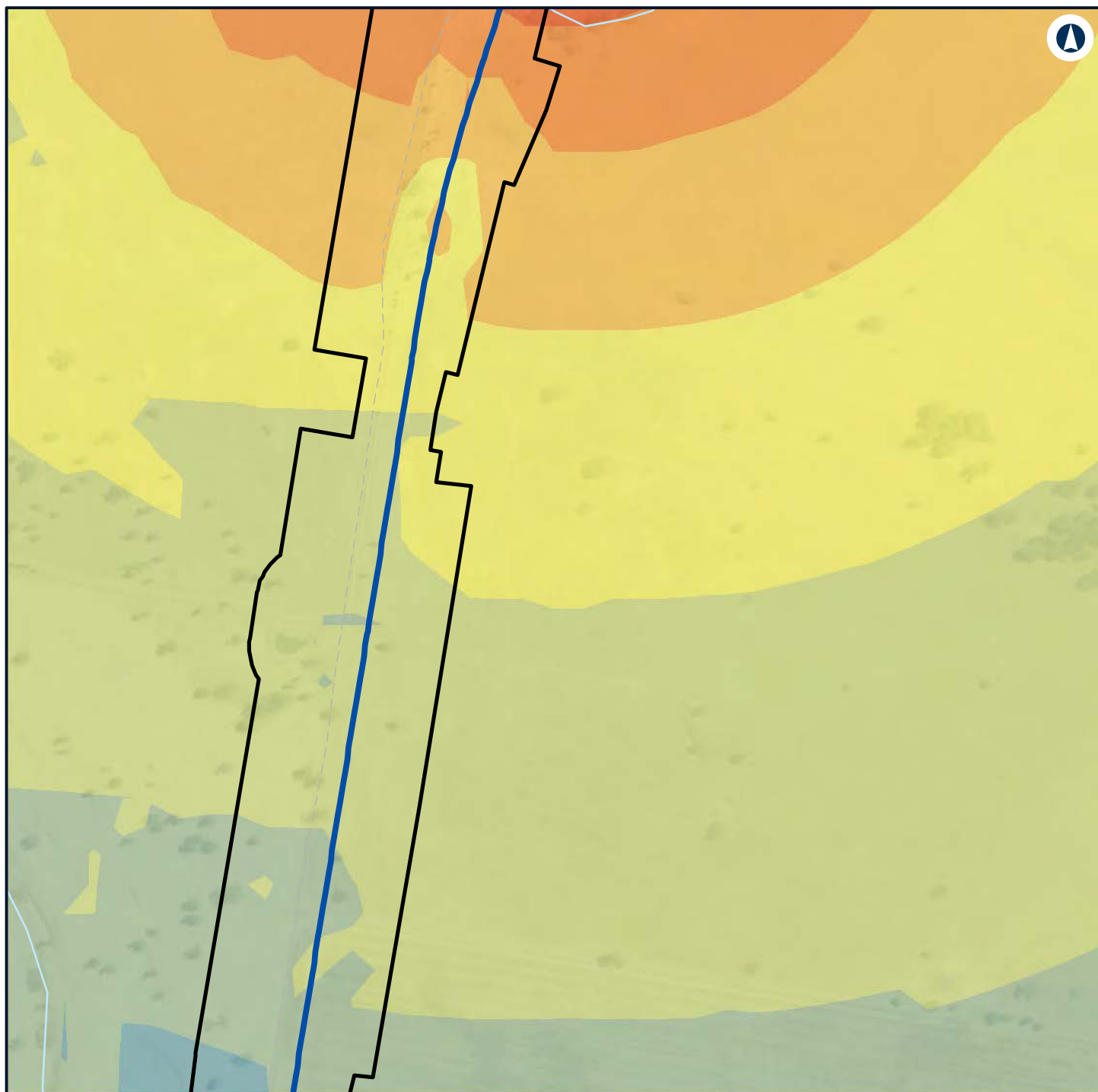
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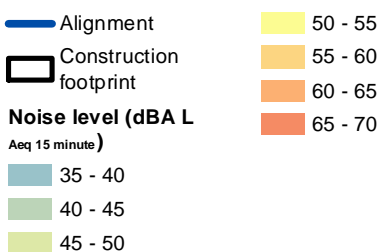
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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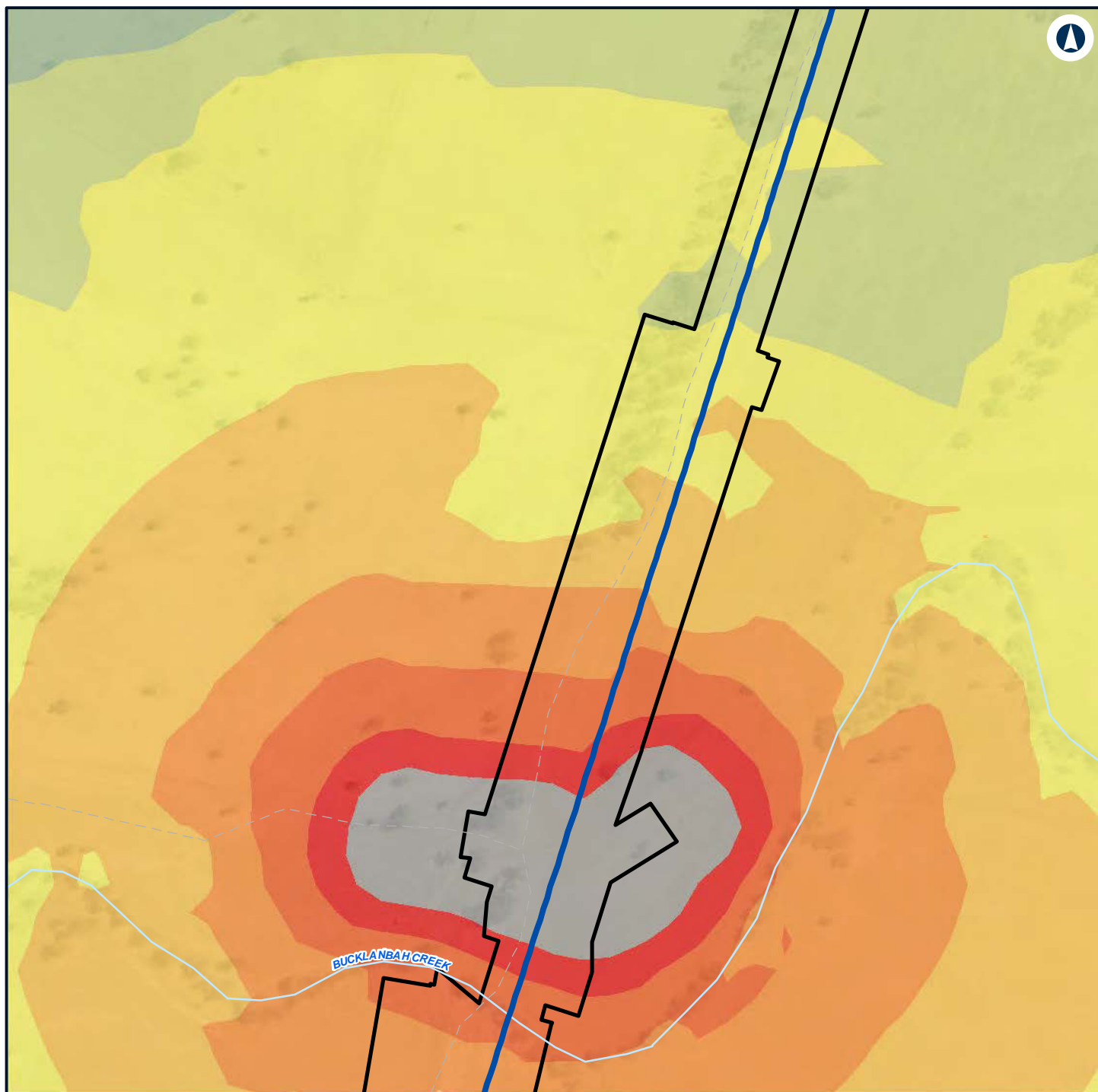
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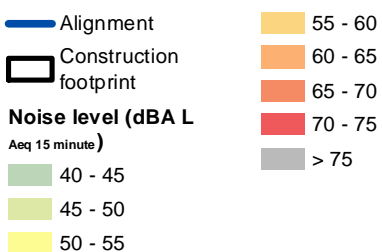
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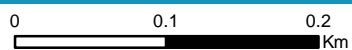
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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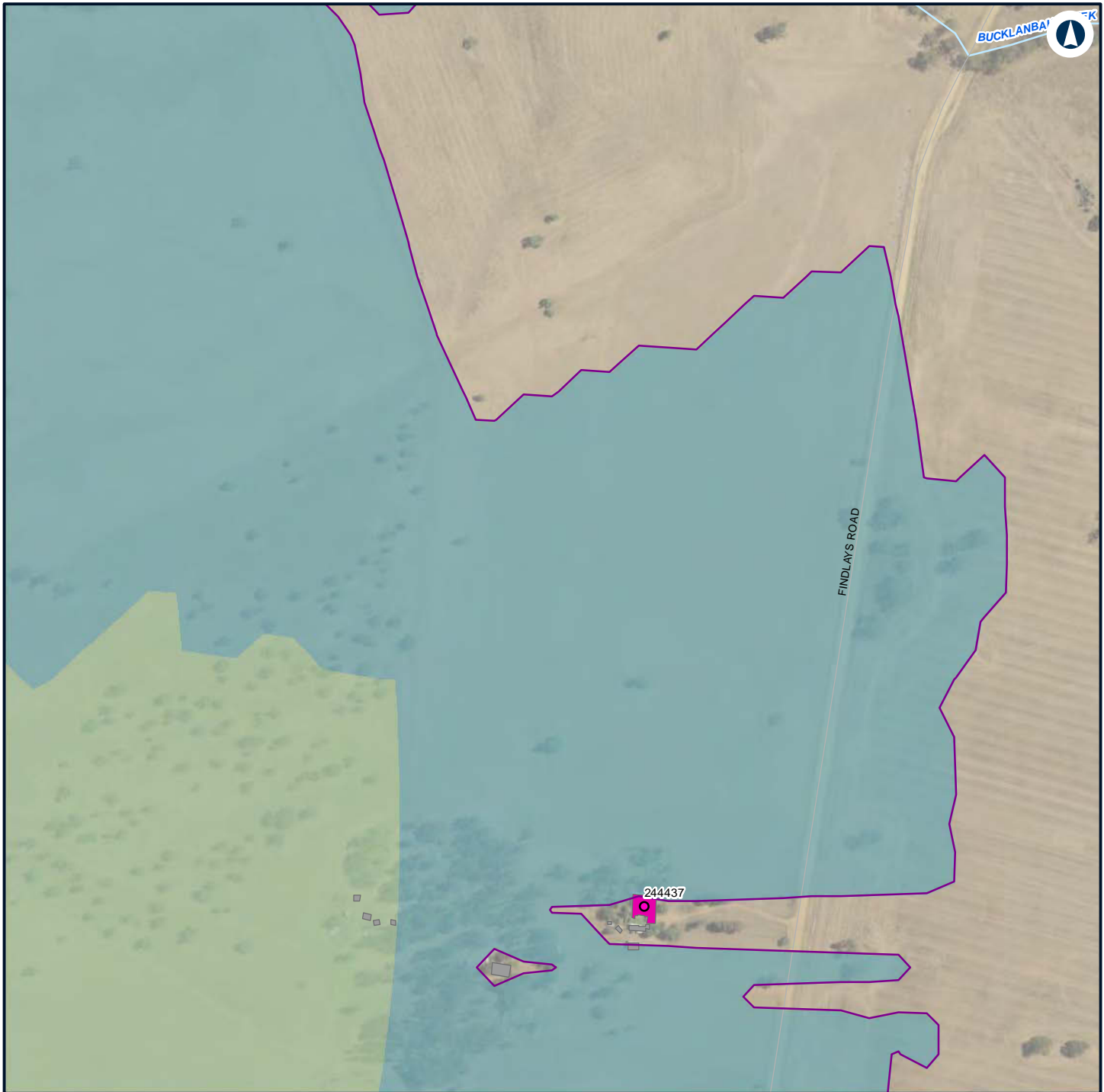
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

- Aeq 15 minute)
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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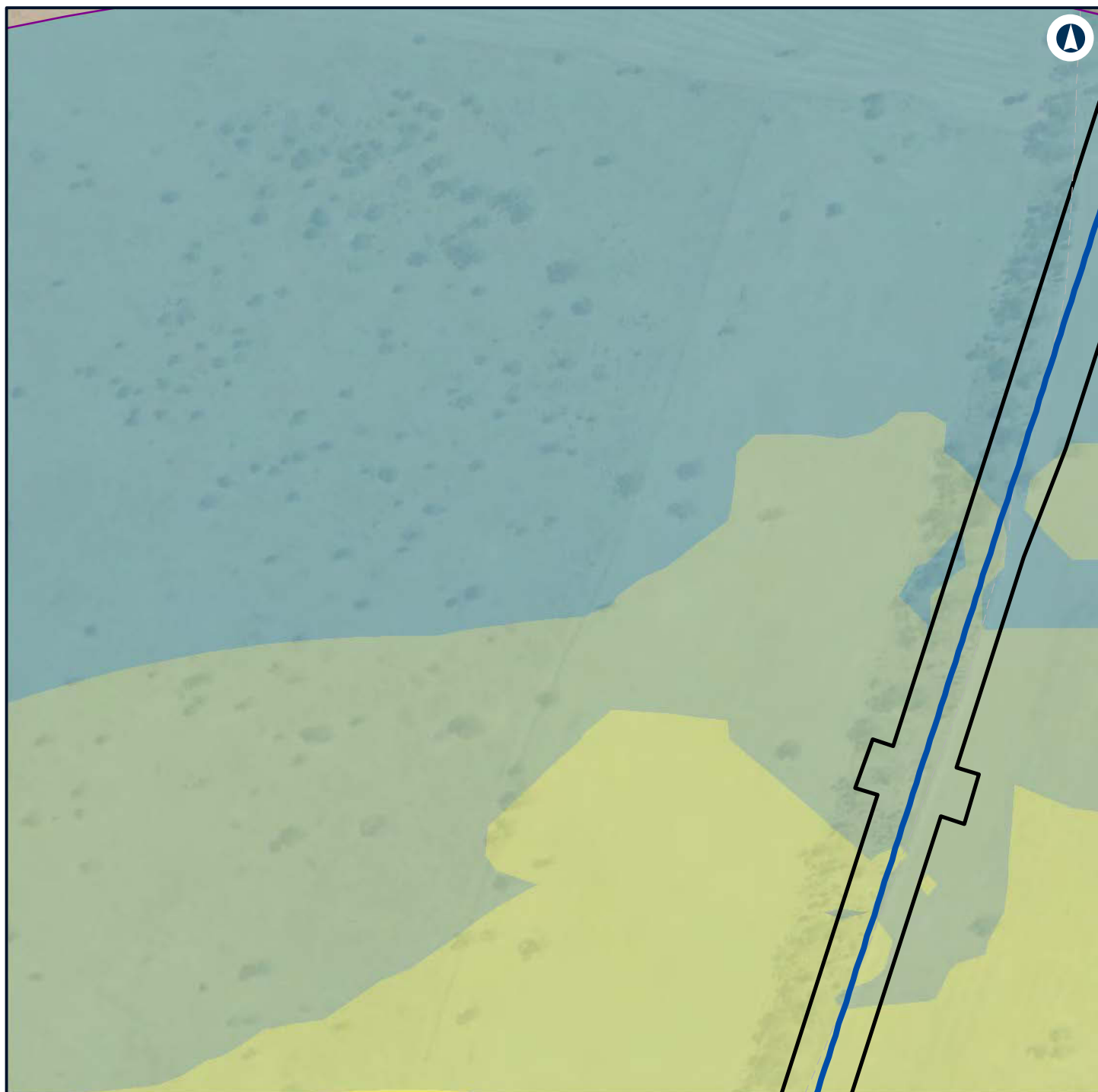
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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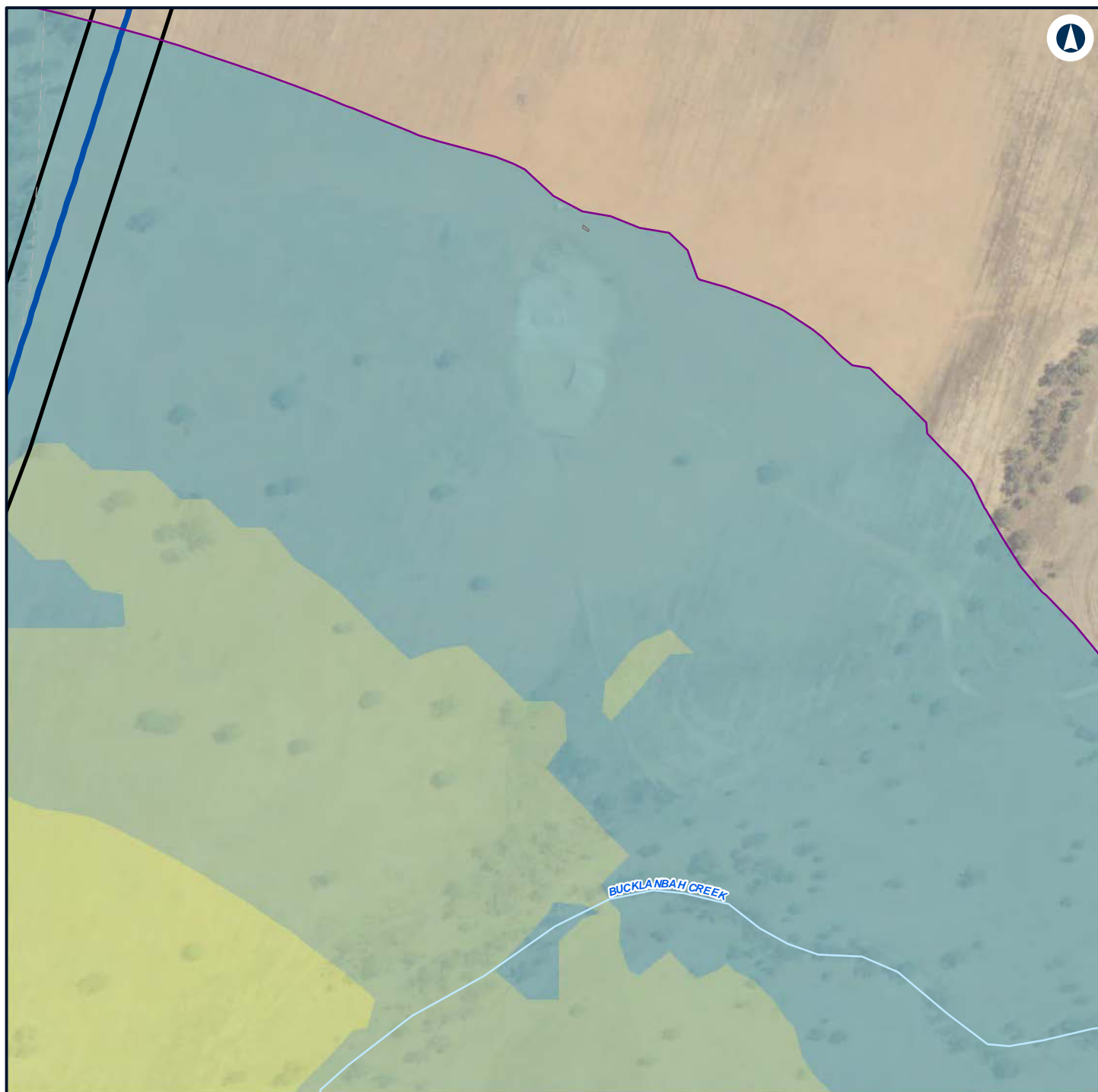
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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)	
	35 - 40
	40 - 45
	45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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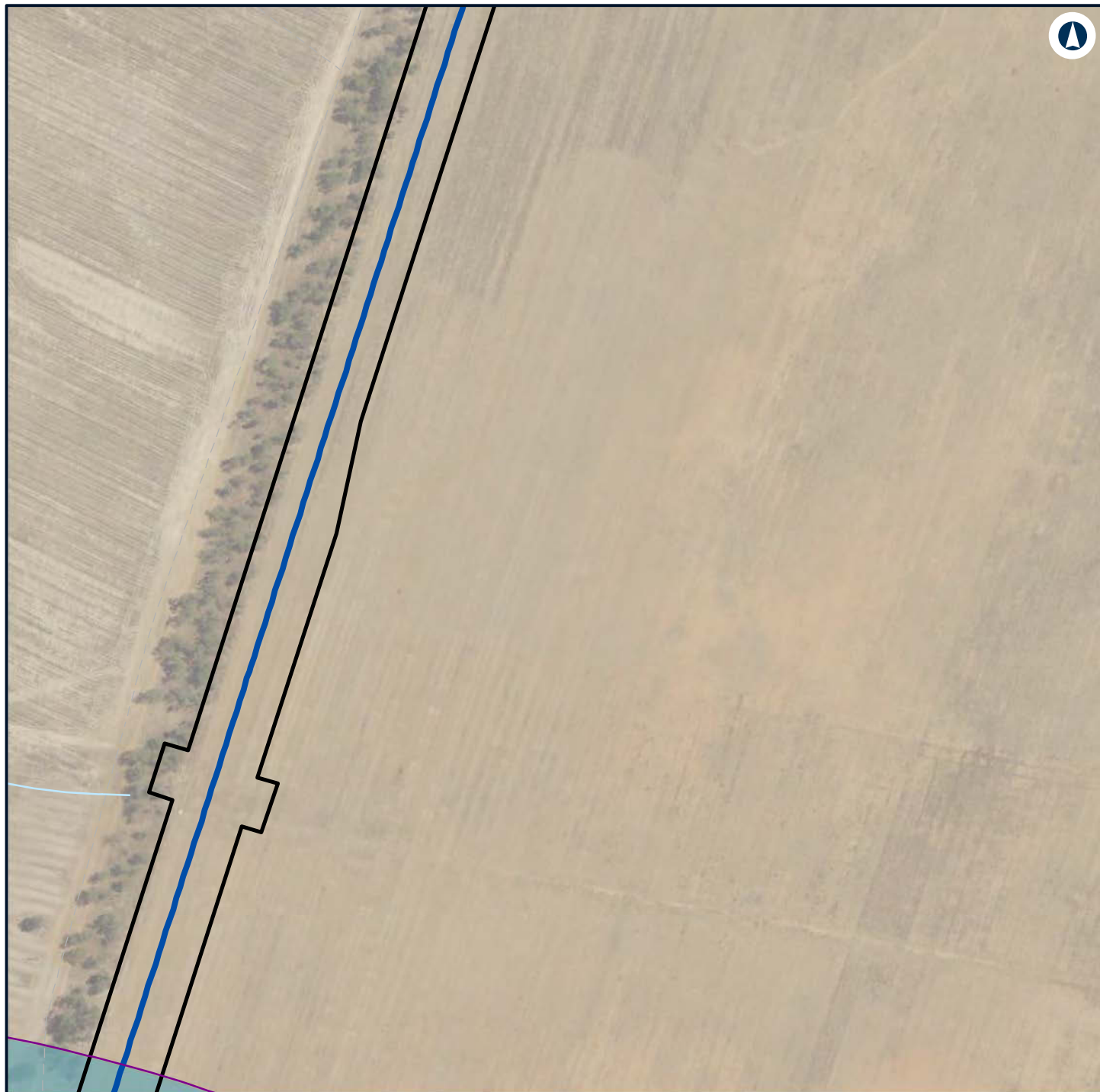
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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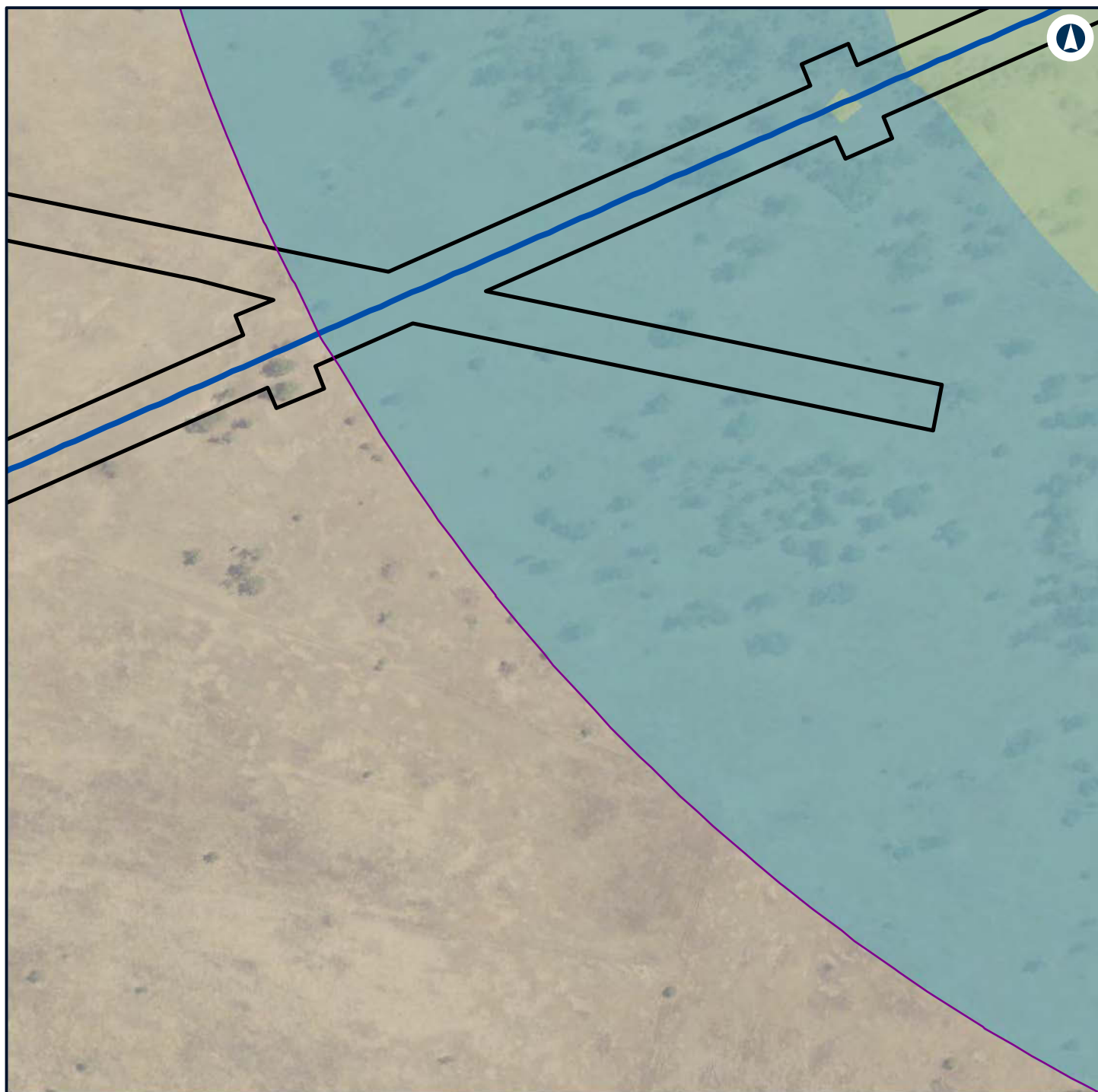
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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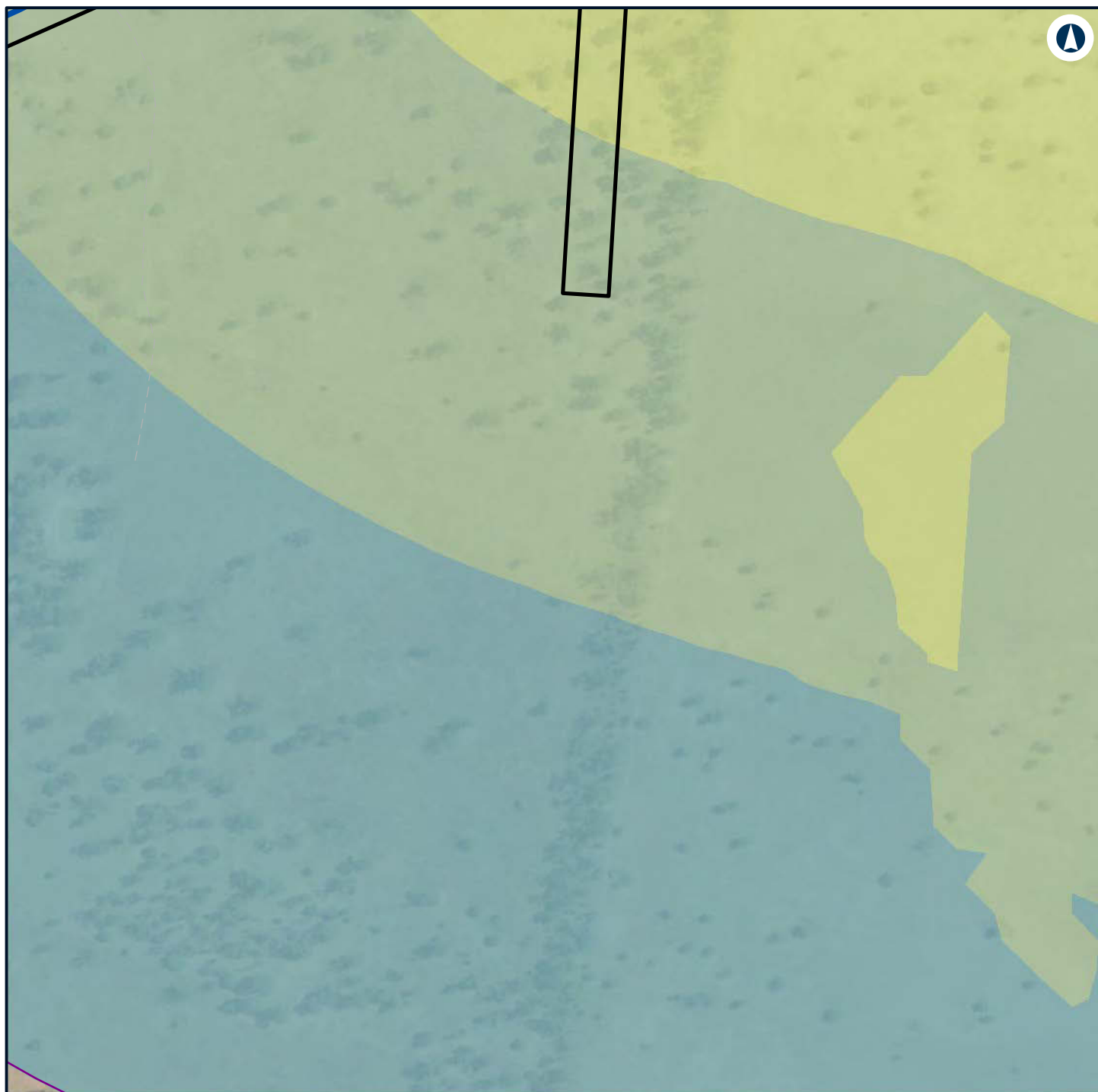
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50
- 50 - 55

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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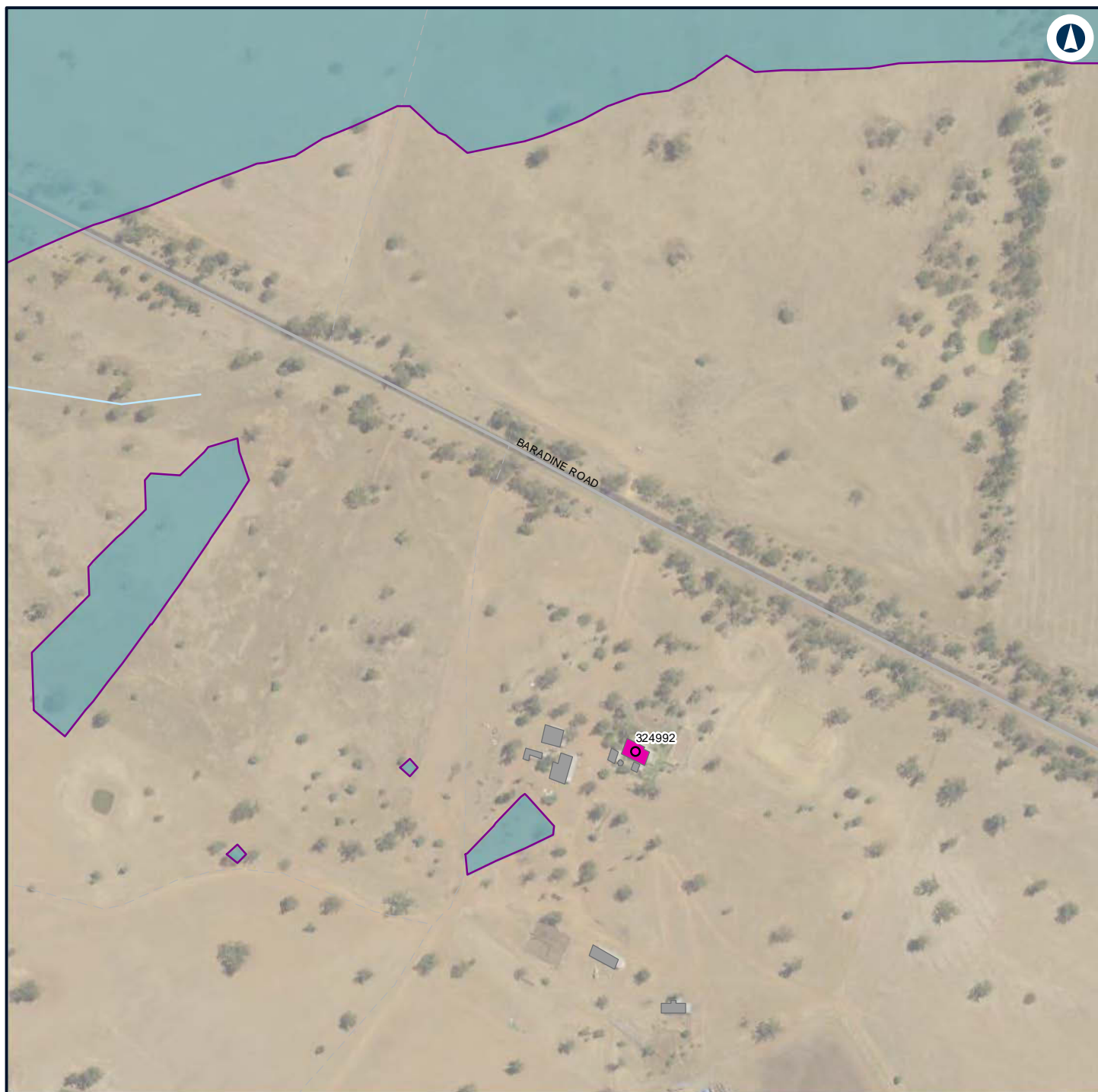
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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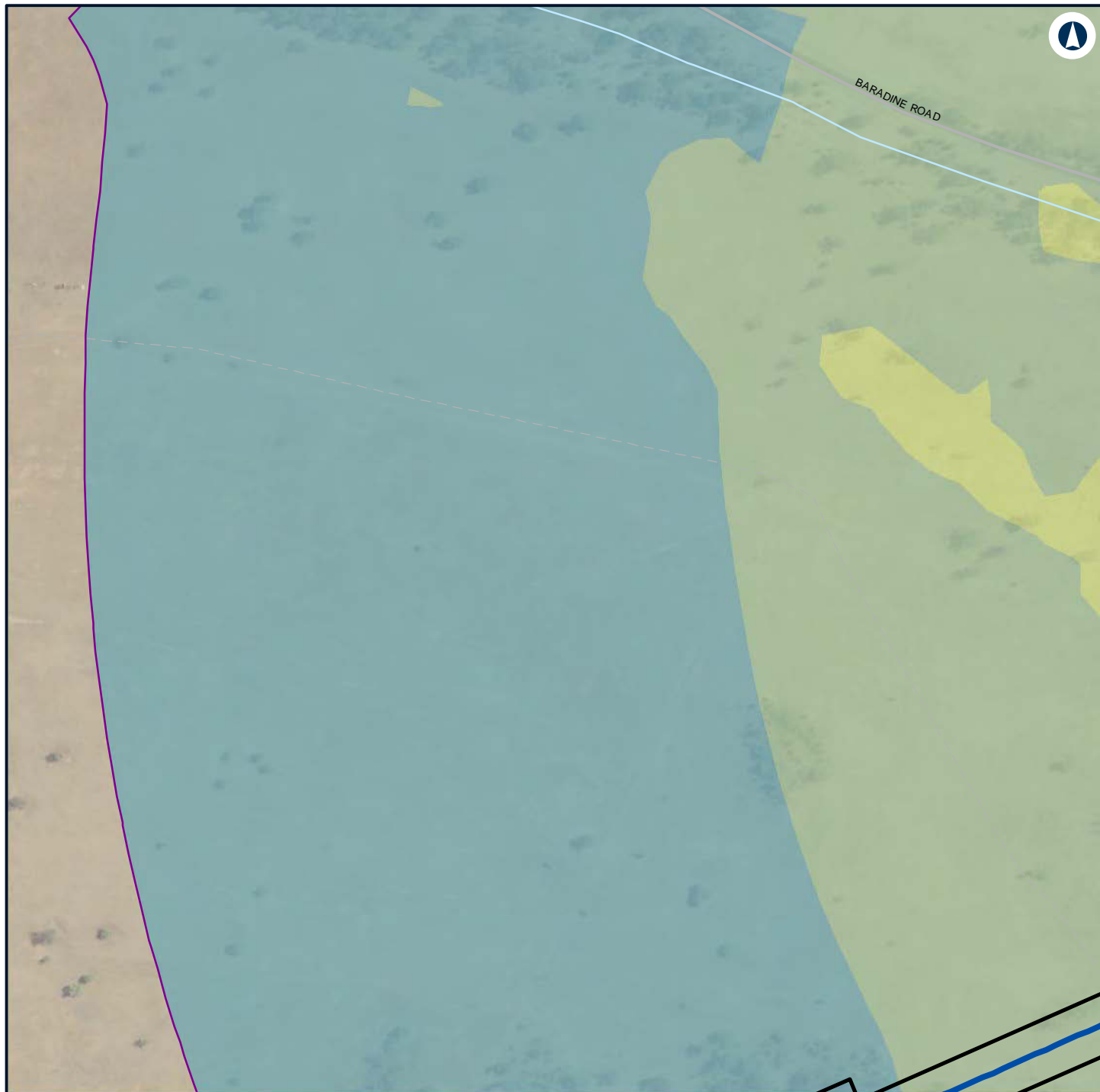
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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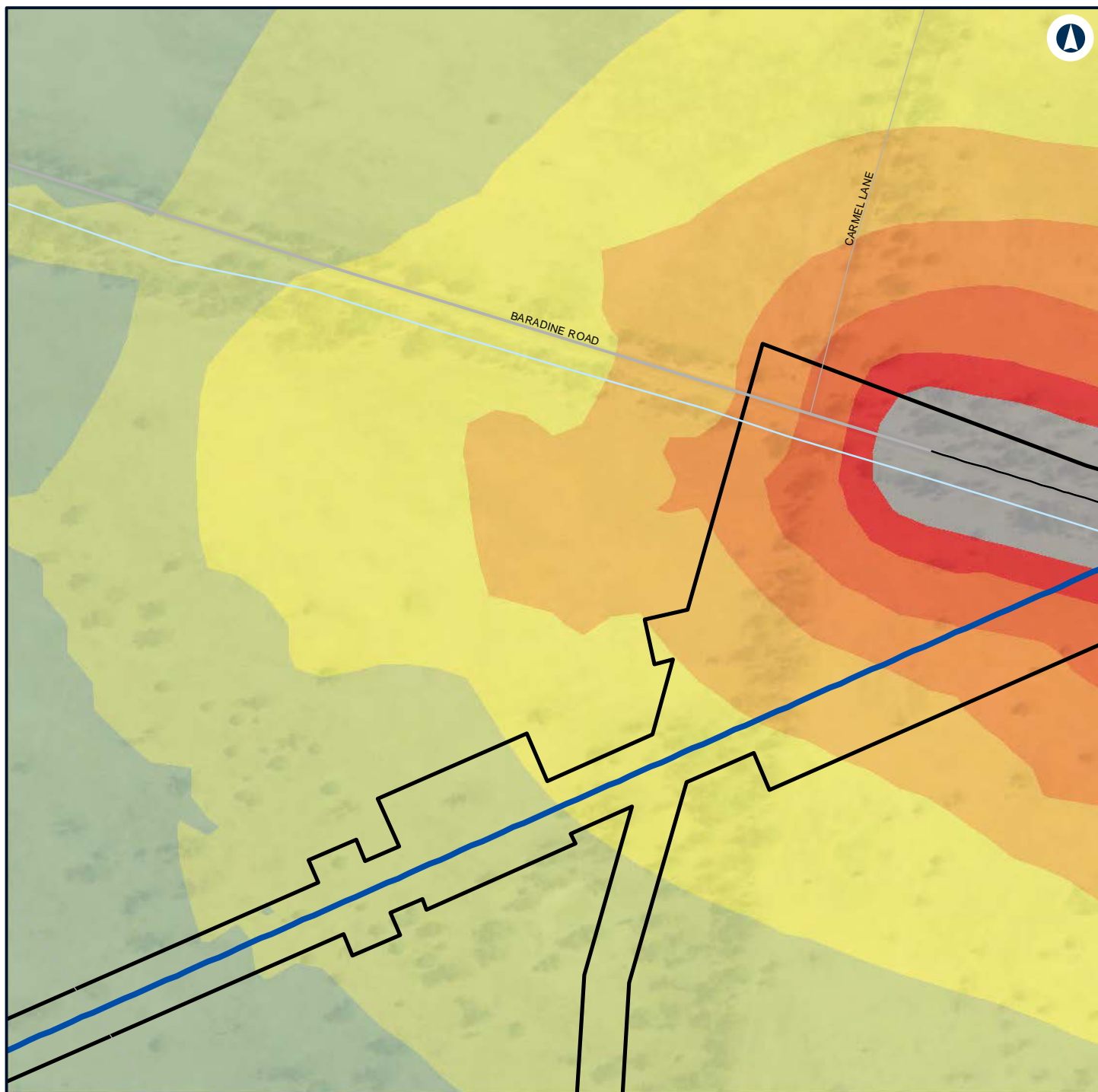
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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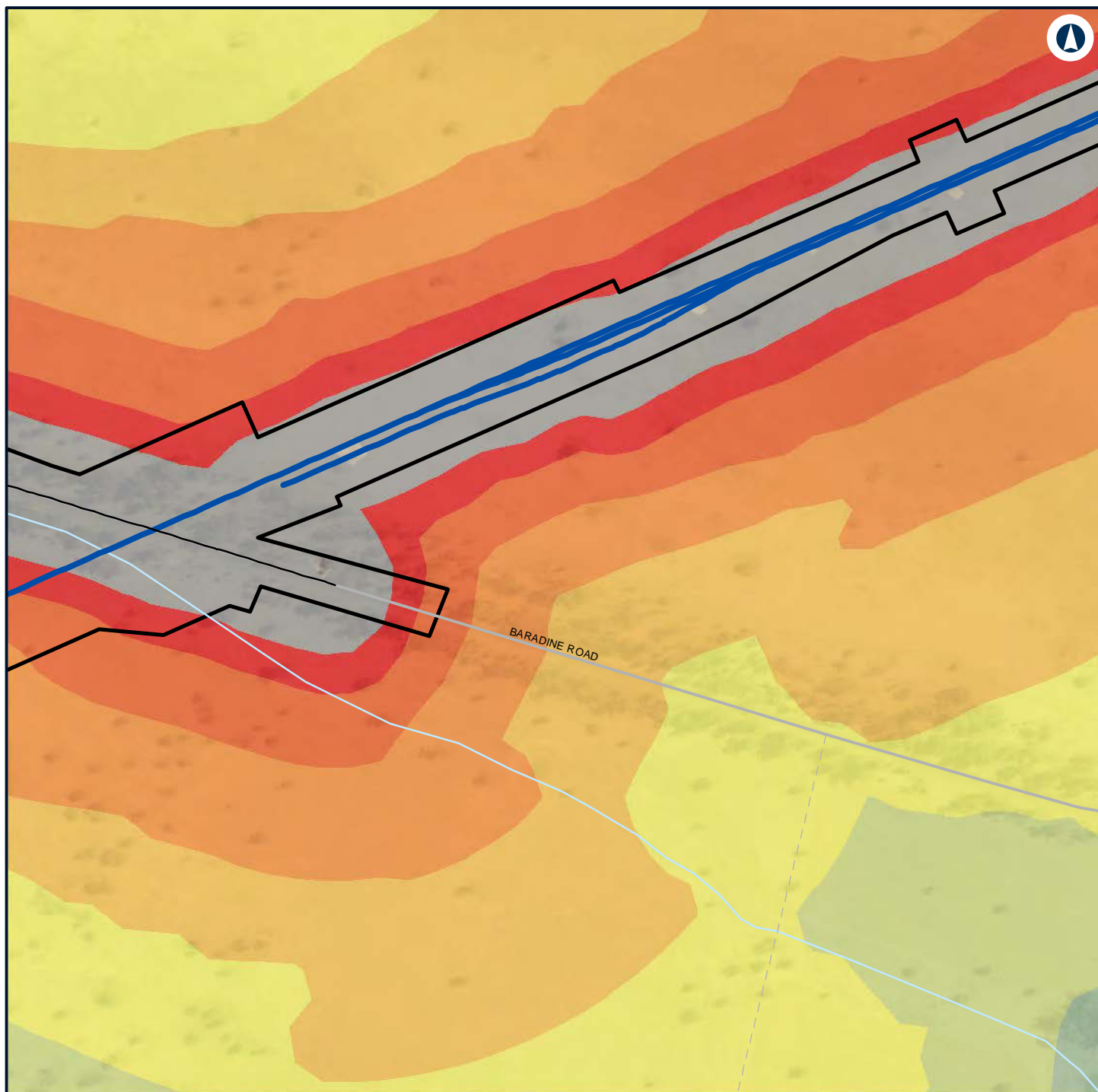
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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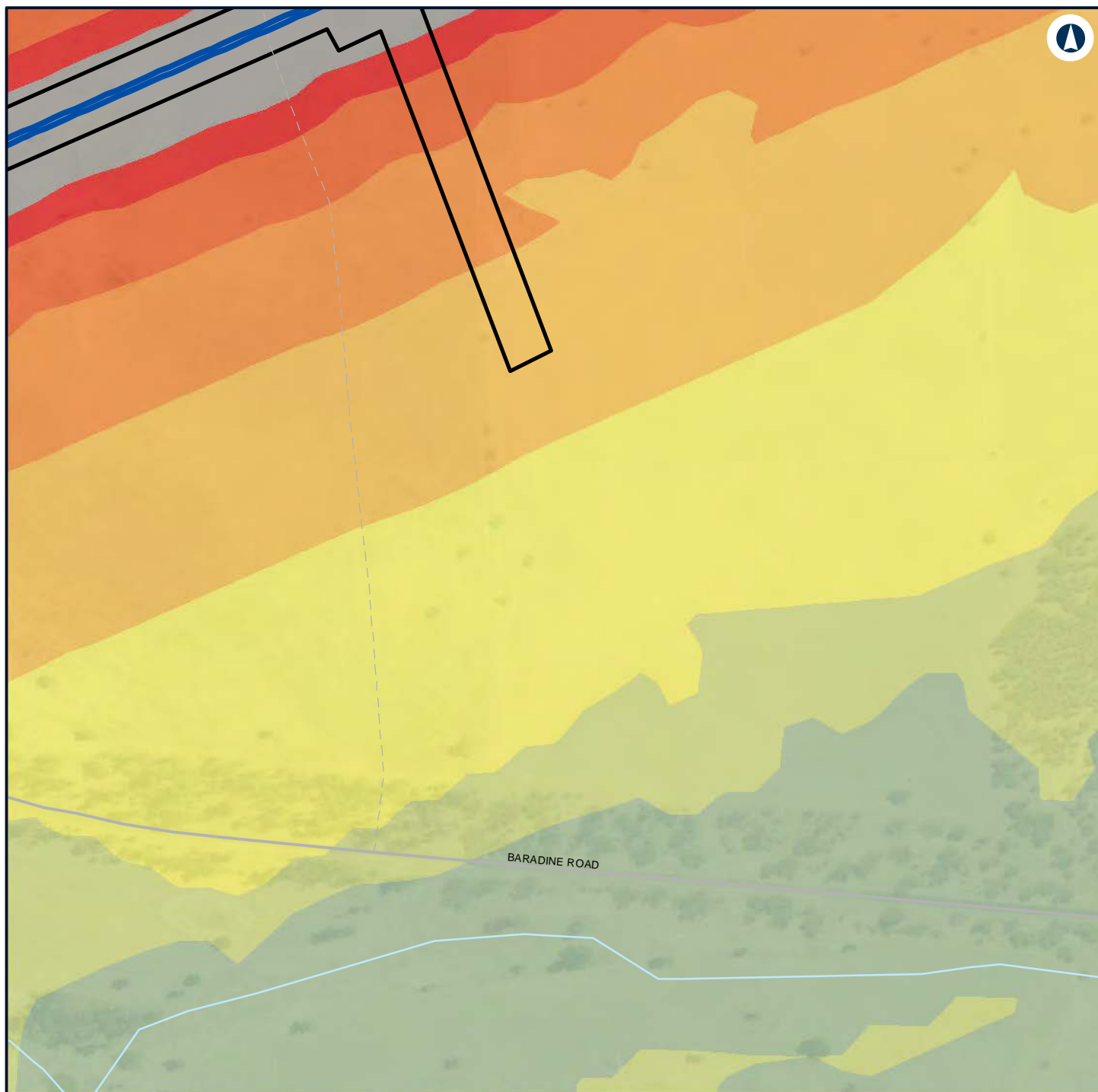
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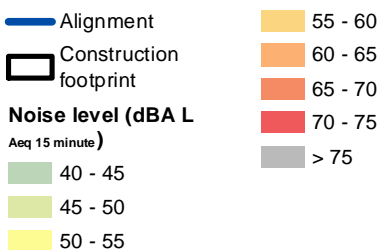
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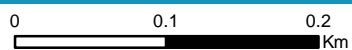
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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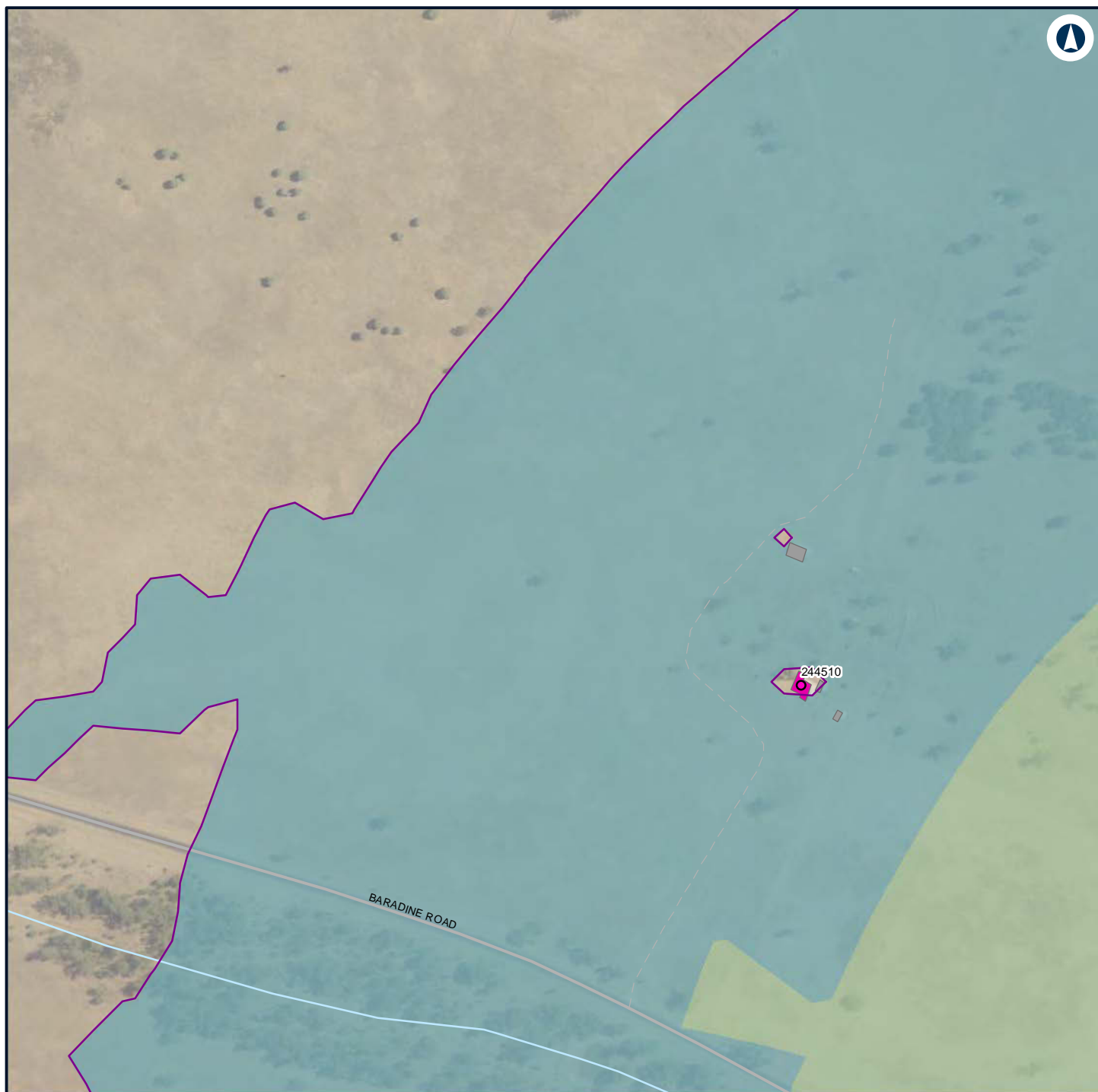
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

- Aeq 15 minute)
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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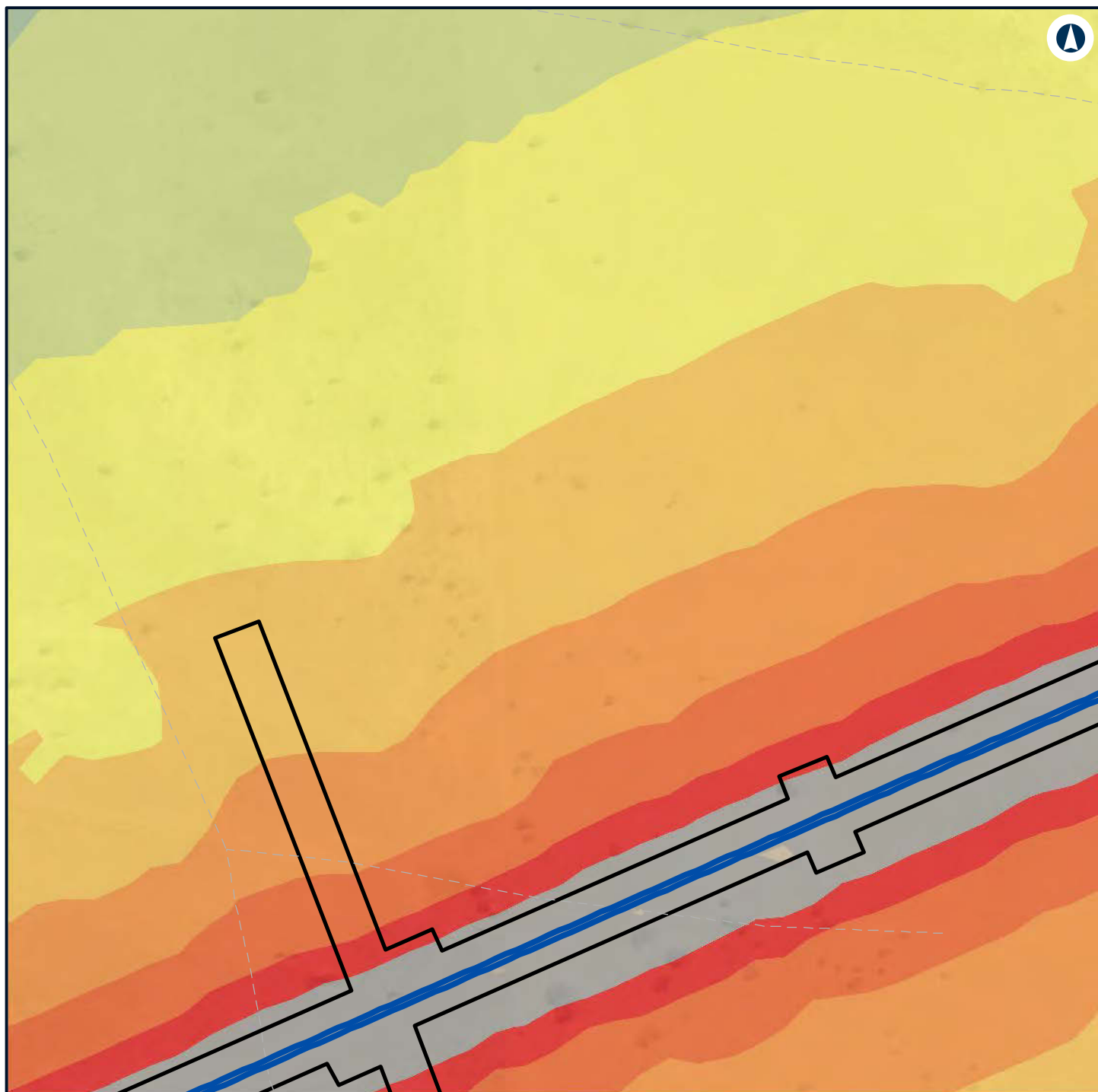
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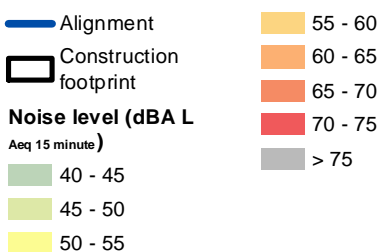
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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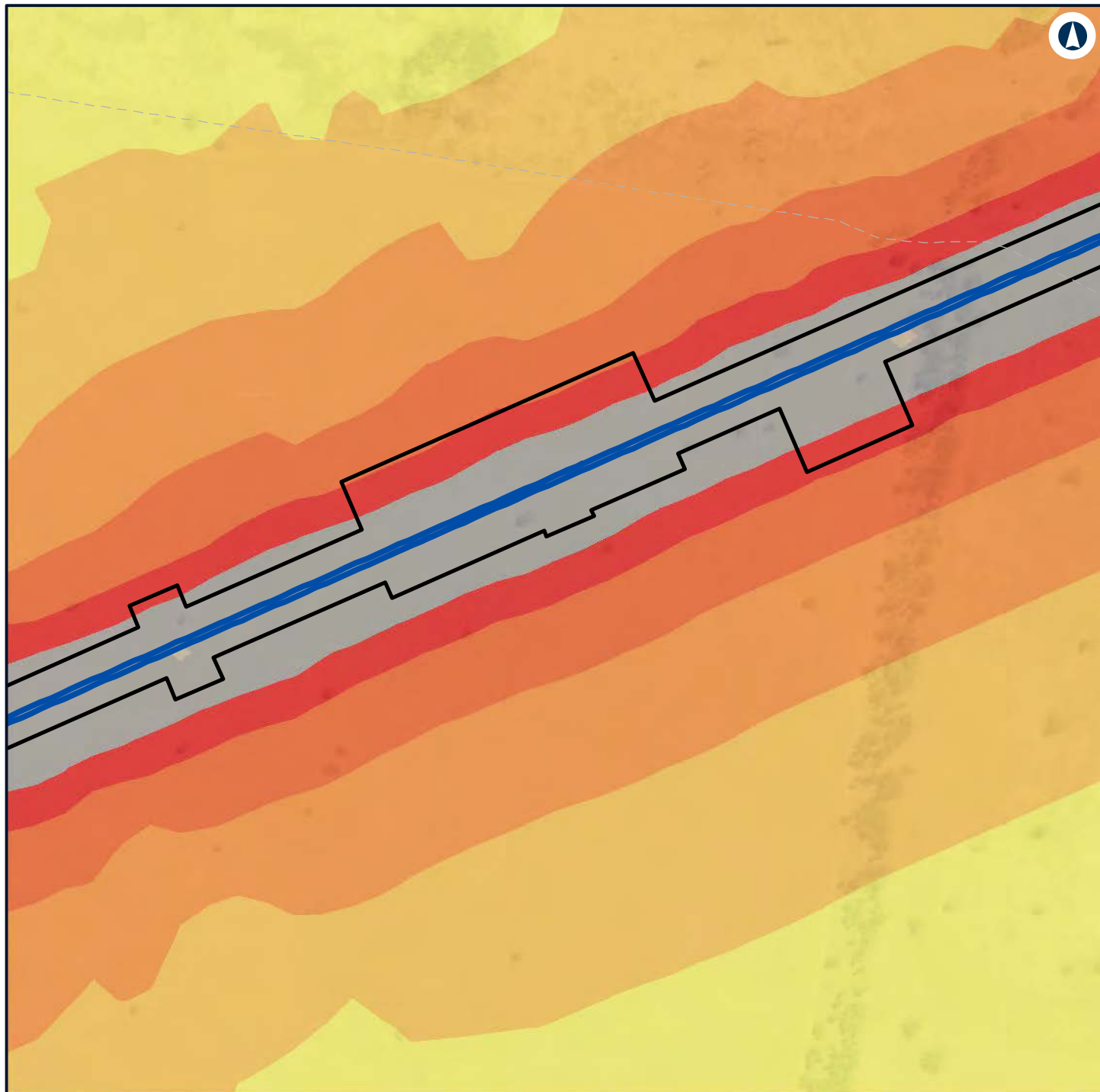
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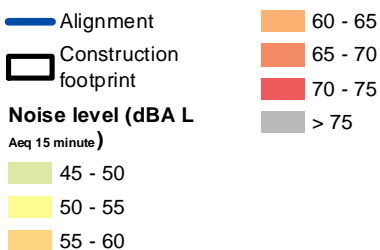
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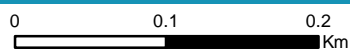
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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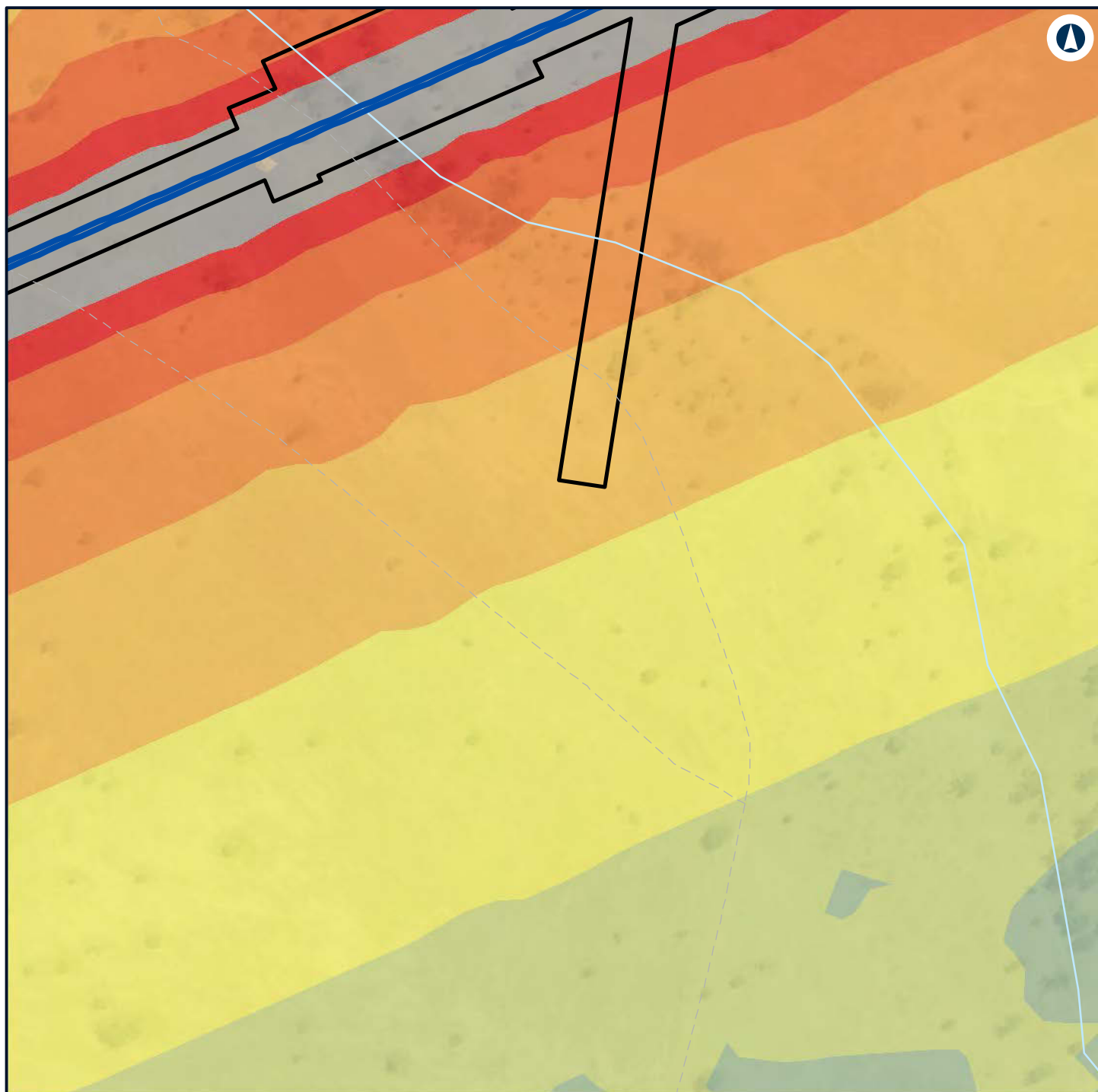
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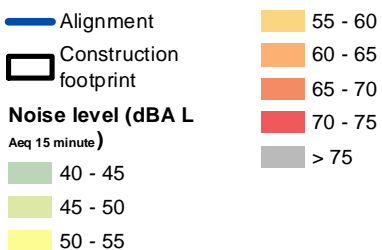
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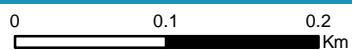
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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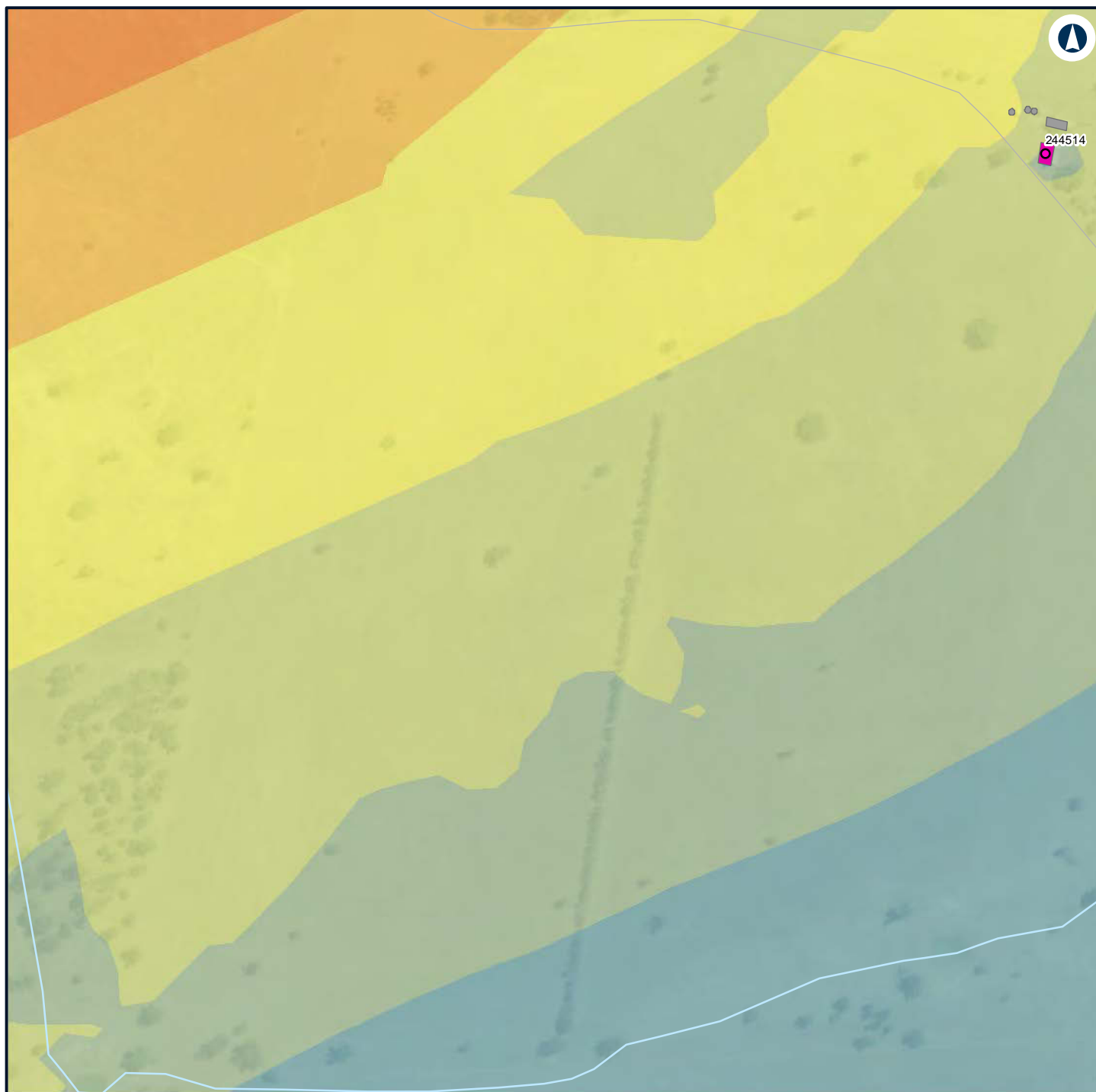
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LEGEND

Structure type		40 - 45
● Residential		45 - 50
■ Other		50 - 55
■ Residential		55 - 60
Noise level (dBA L Aeq 15 minute)		60 - 65
		35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

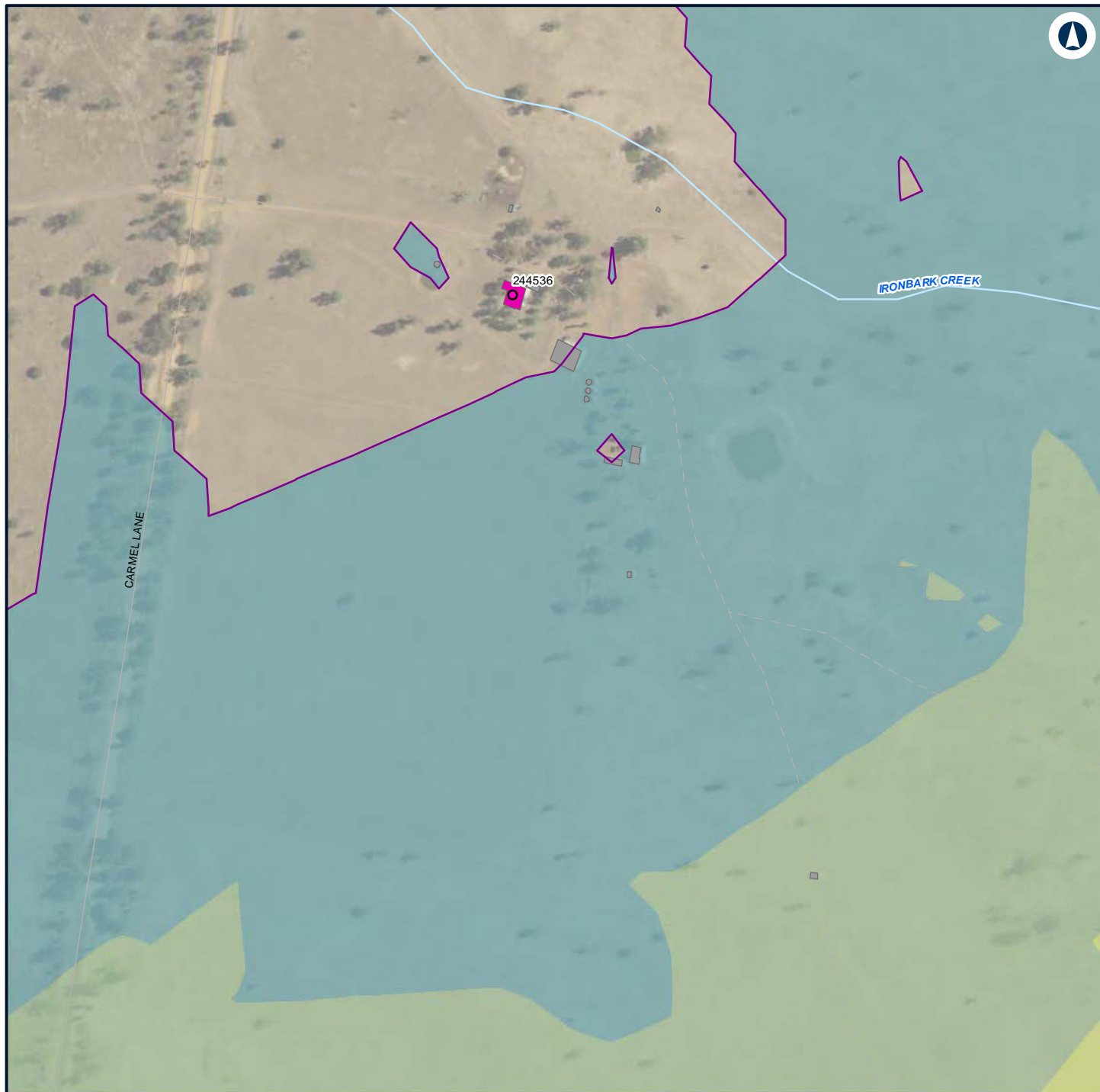
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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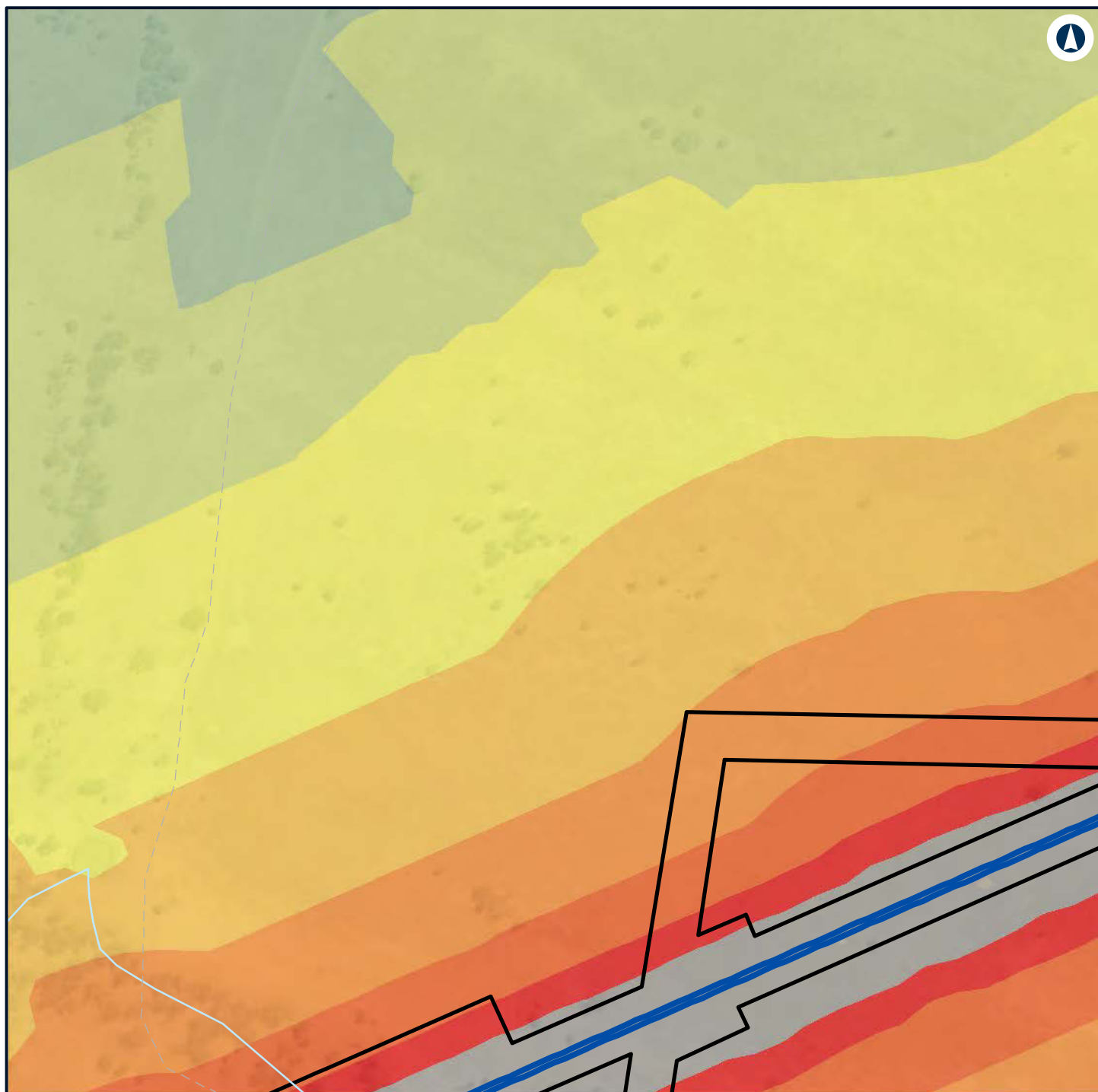
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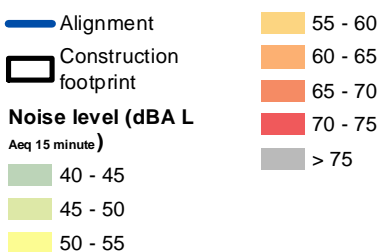
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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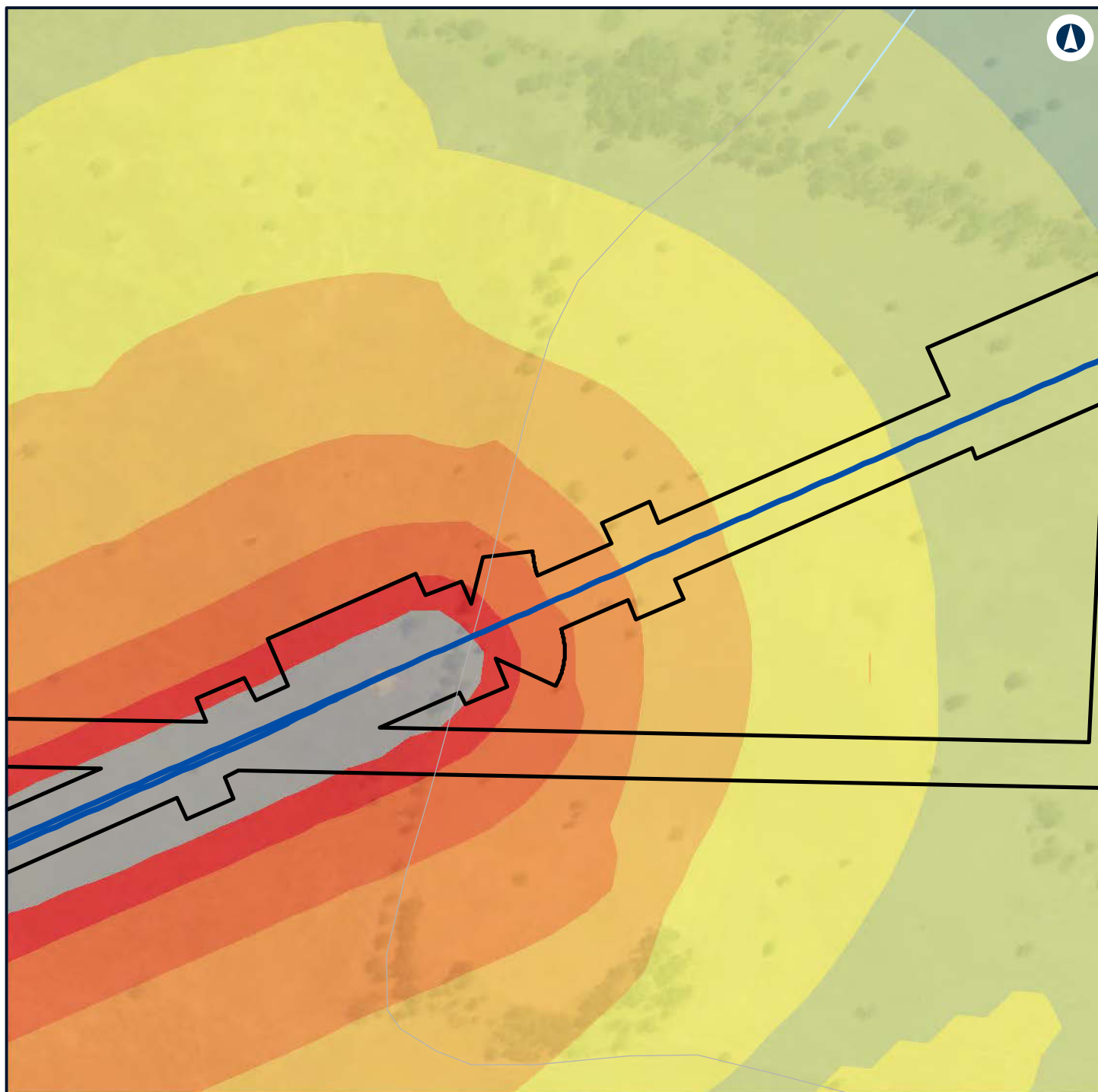
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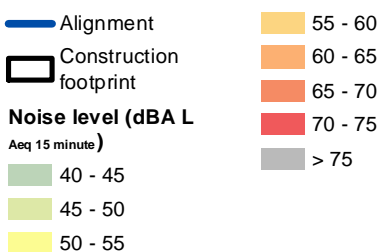
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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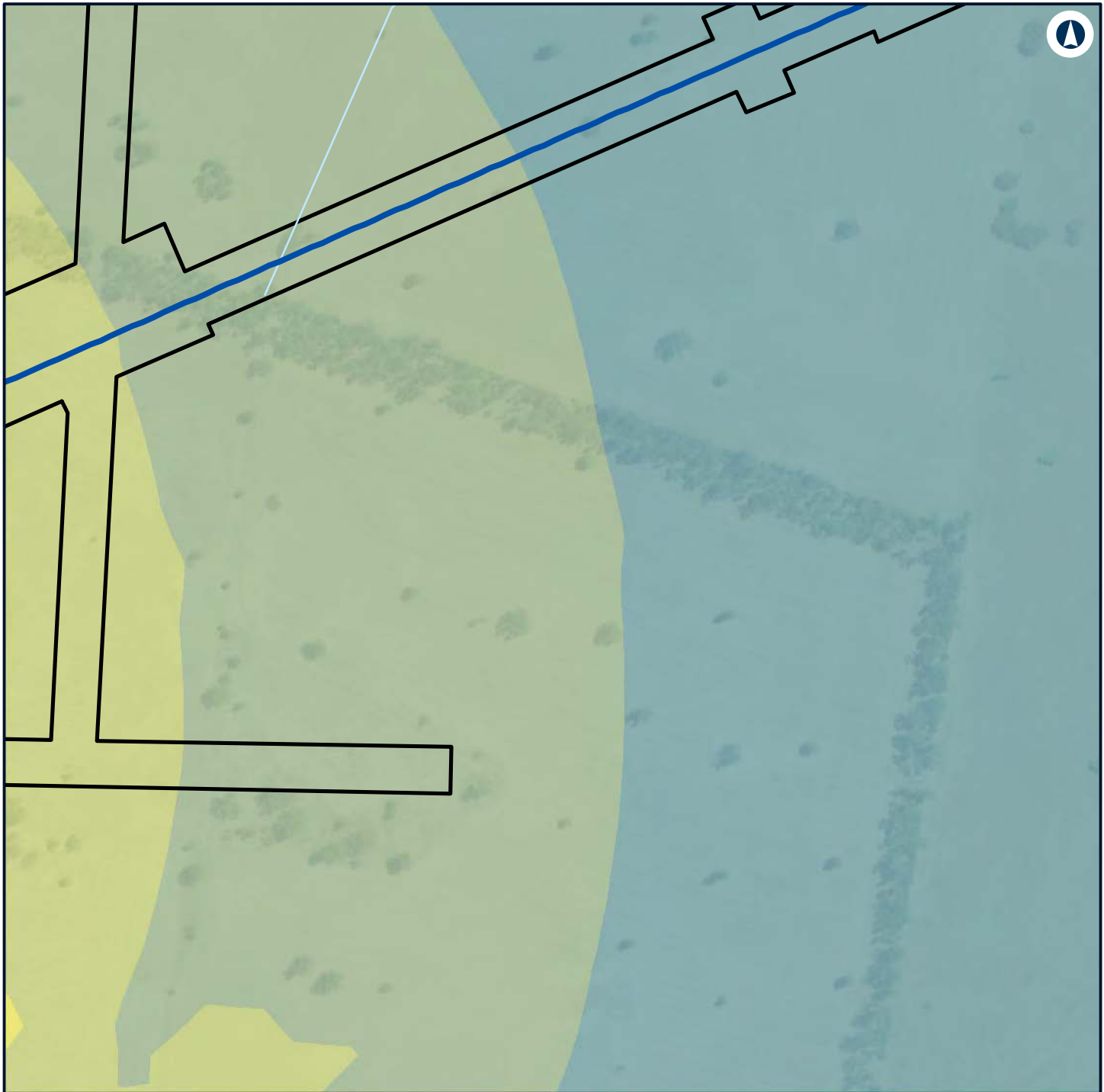
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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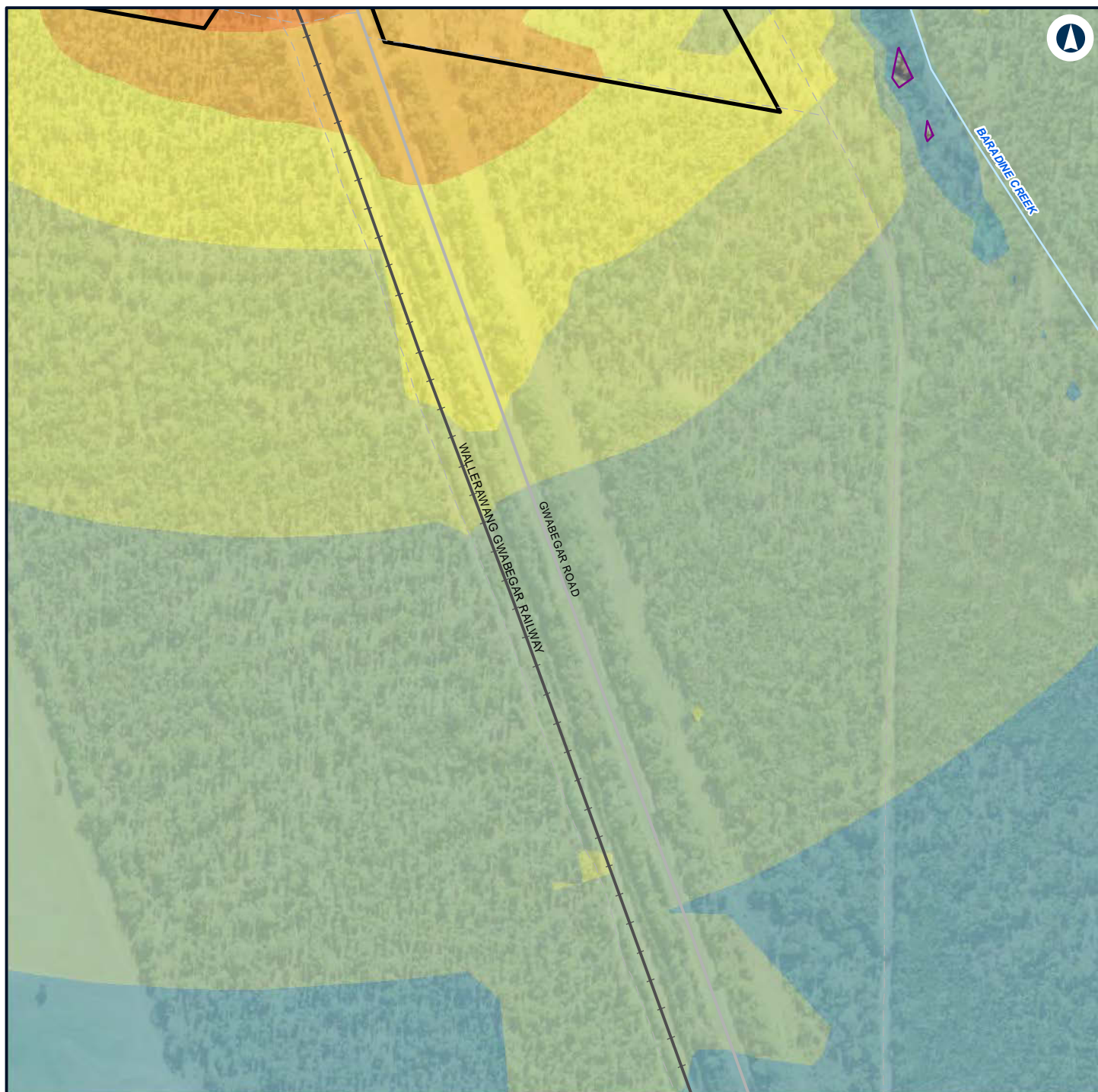
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Construction footprint
- Night-time noise management level
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 371 of 554

0 0.1 0.2
Km

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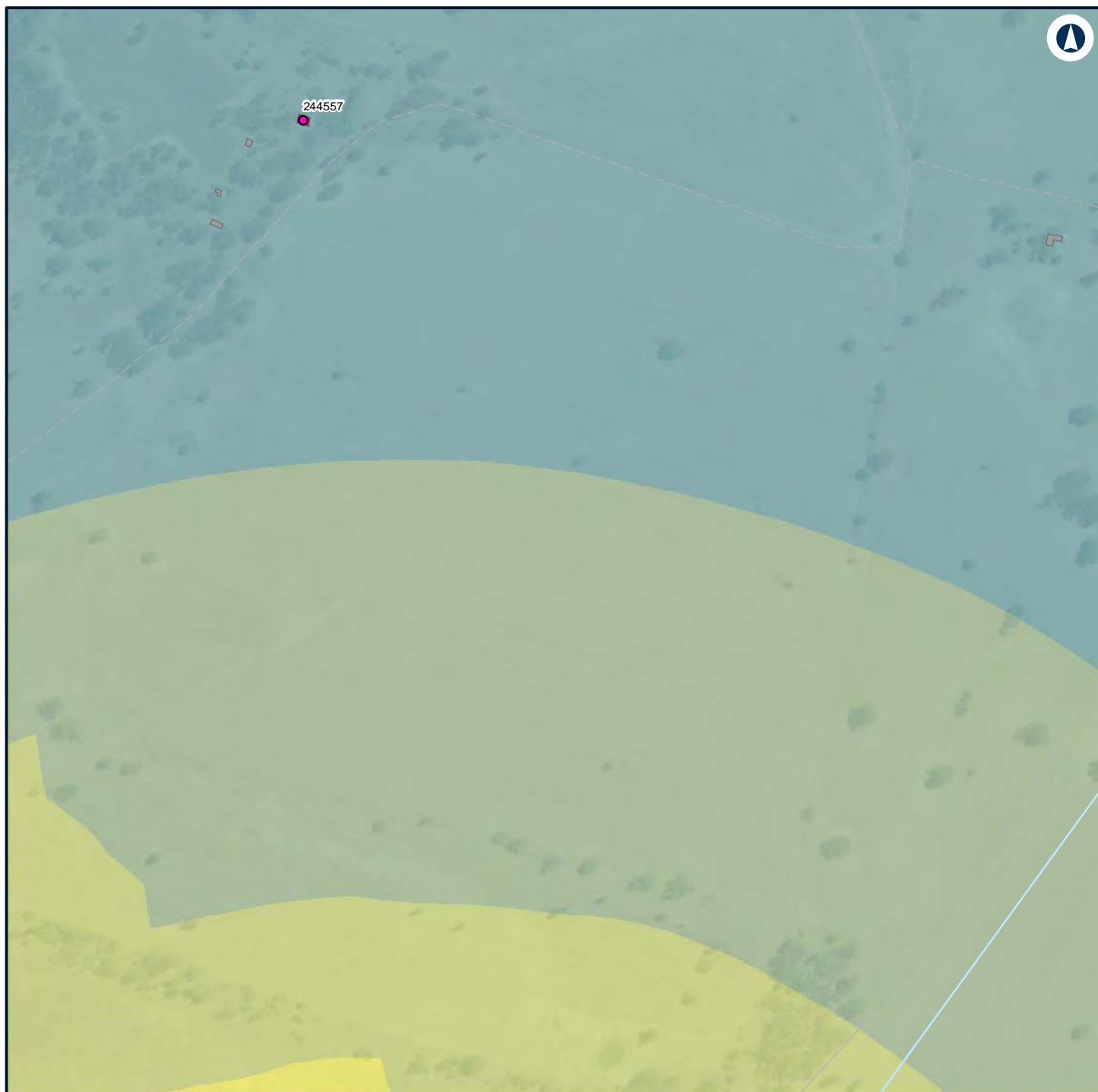
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LEGEND

Structure type		40 - 45
Residential	45 - 50	
Other	50 - 55	
Residential		
Noise level (dBA L Aeq 15 minute)		
35 - 40		



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

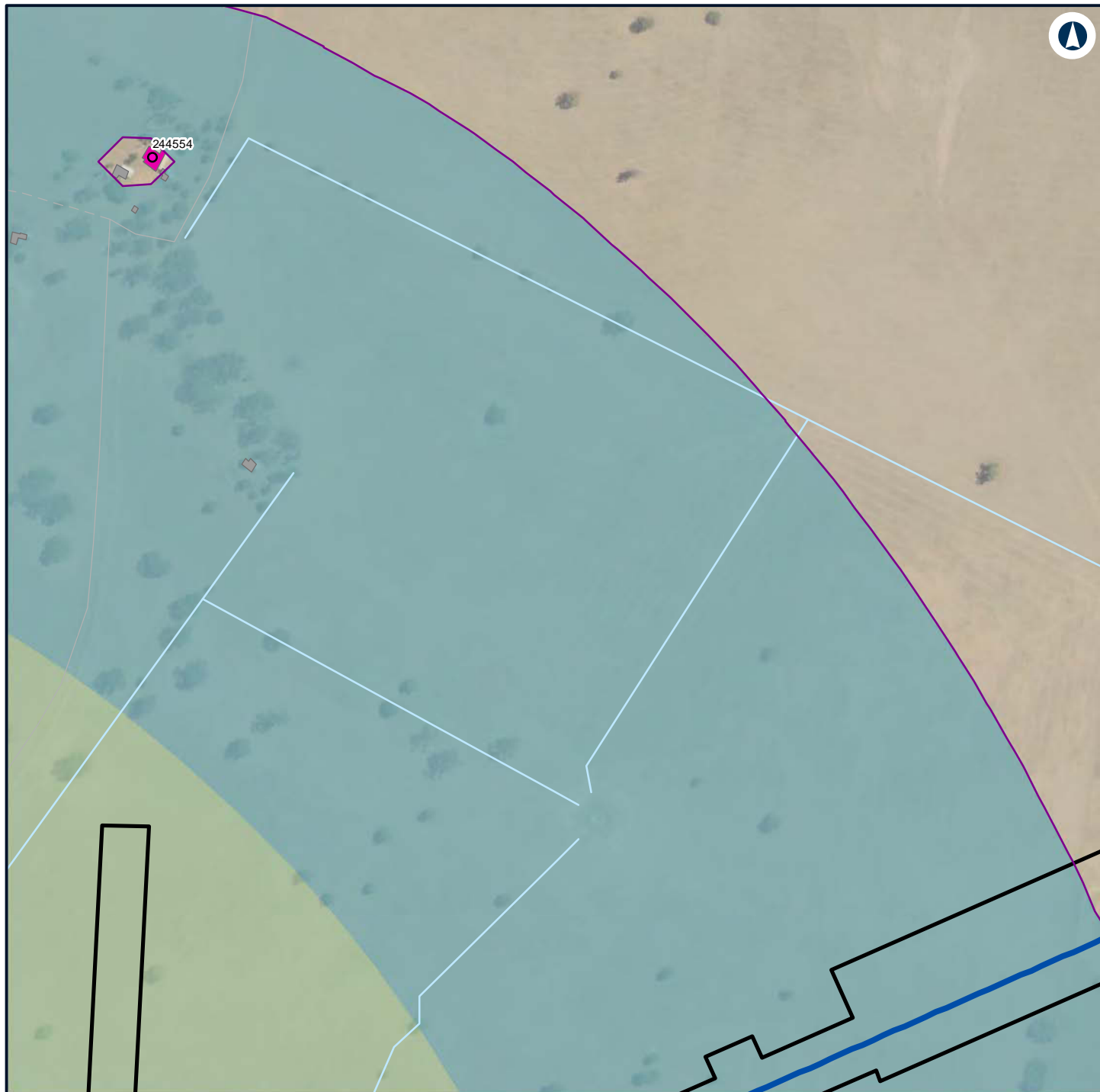
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LEGEND

Alignment

Construction footprint

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Paper: A4

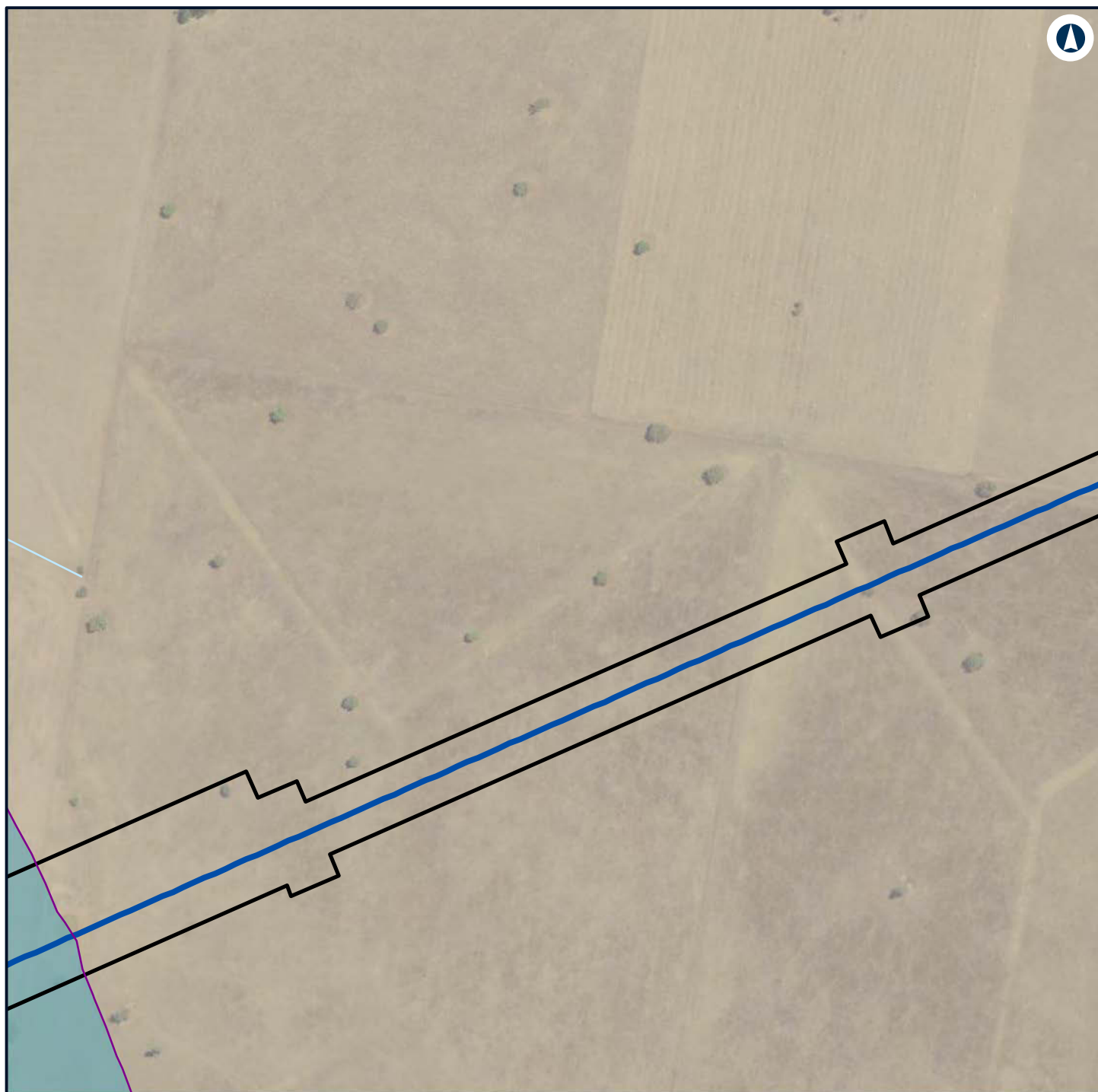
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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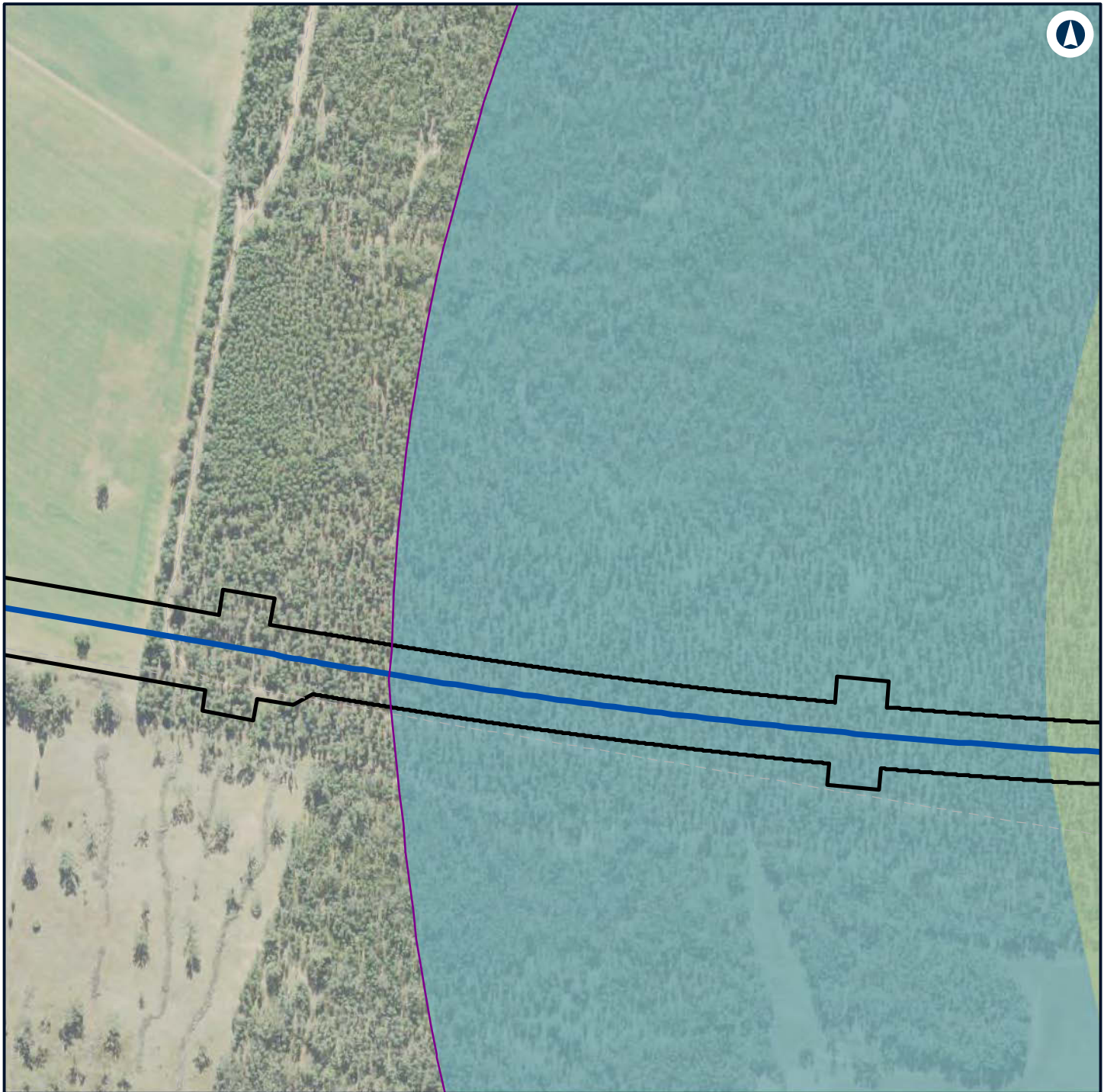
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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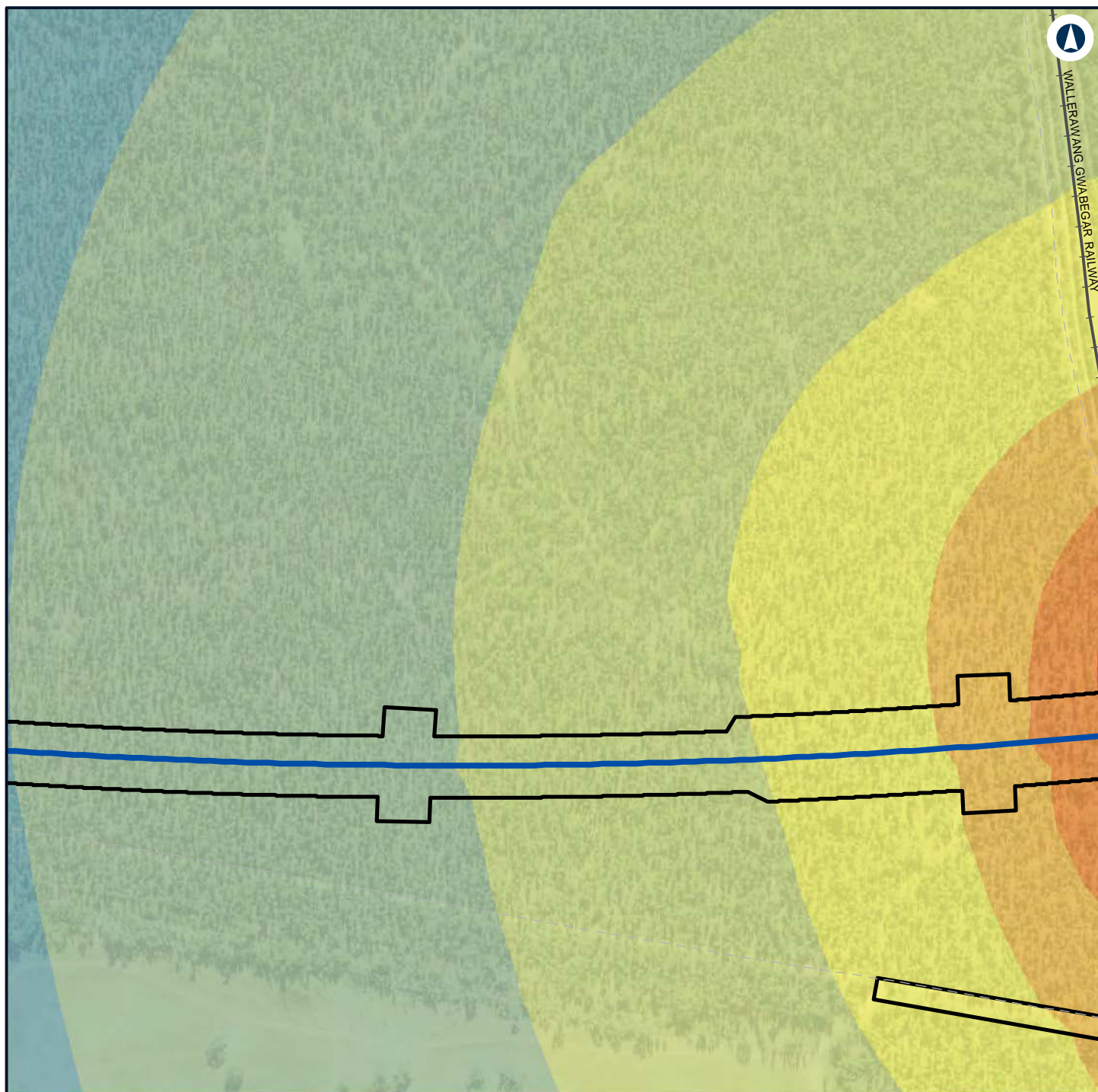
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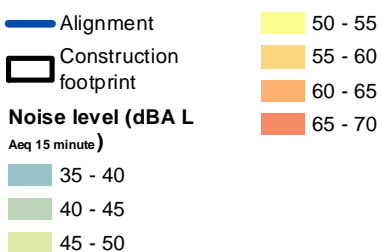
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

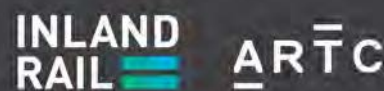
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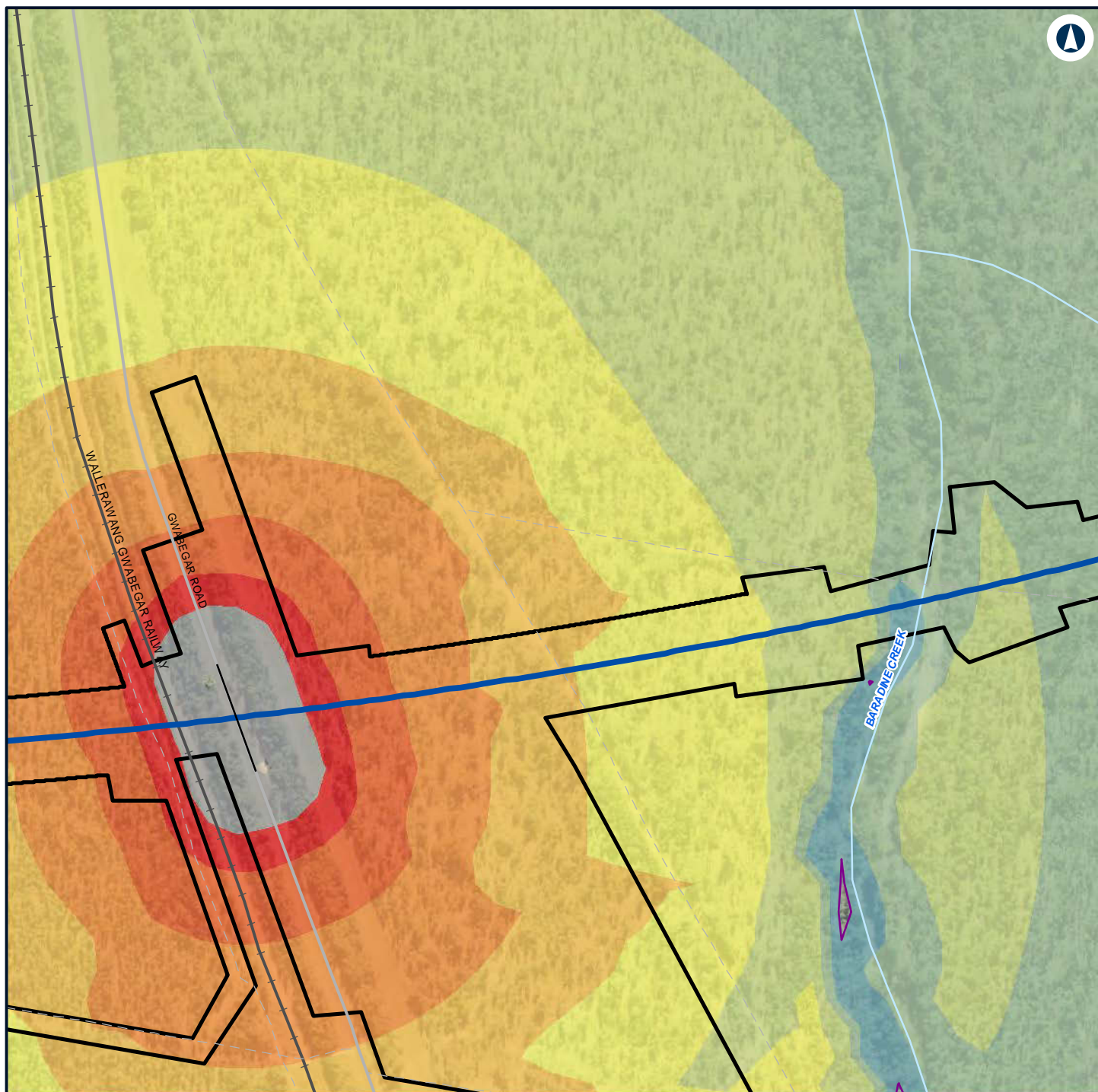
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LEGEND

	Alignment		60 - 65
	Road design string		65 - 70
	Construction footprint		70 - 75
	Night-time noise management level		> 75
			35 - 40
			40 - 45
			45 - 50
			50 - 55
			55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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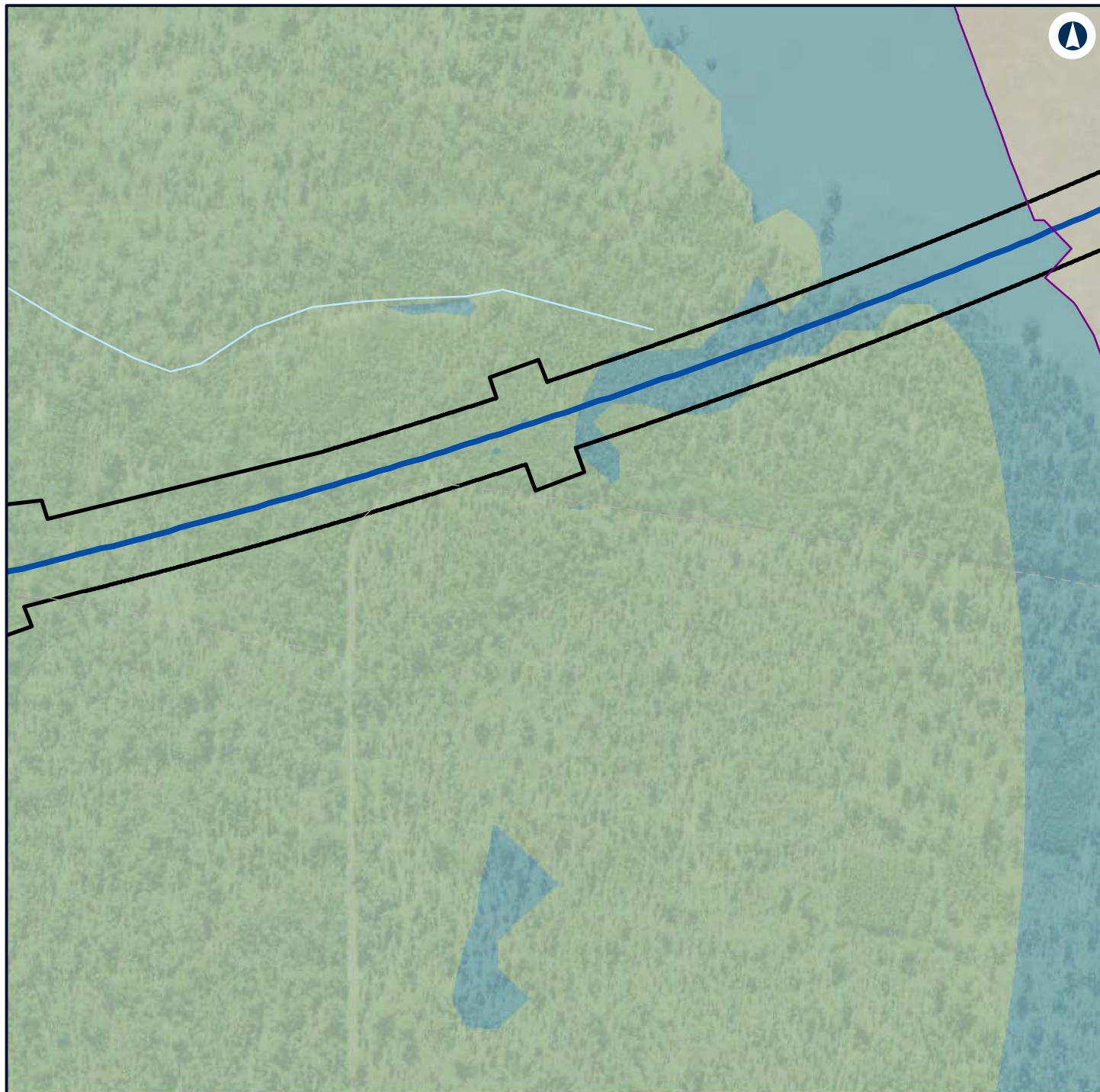
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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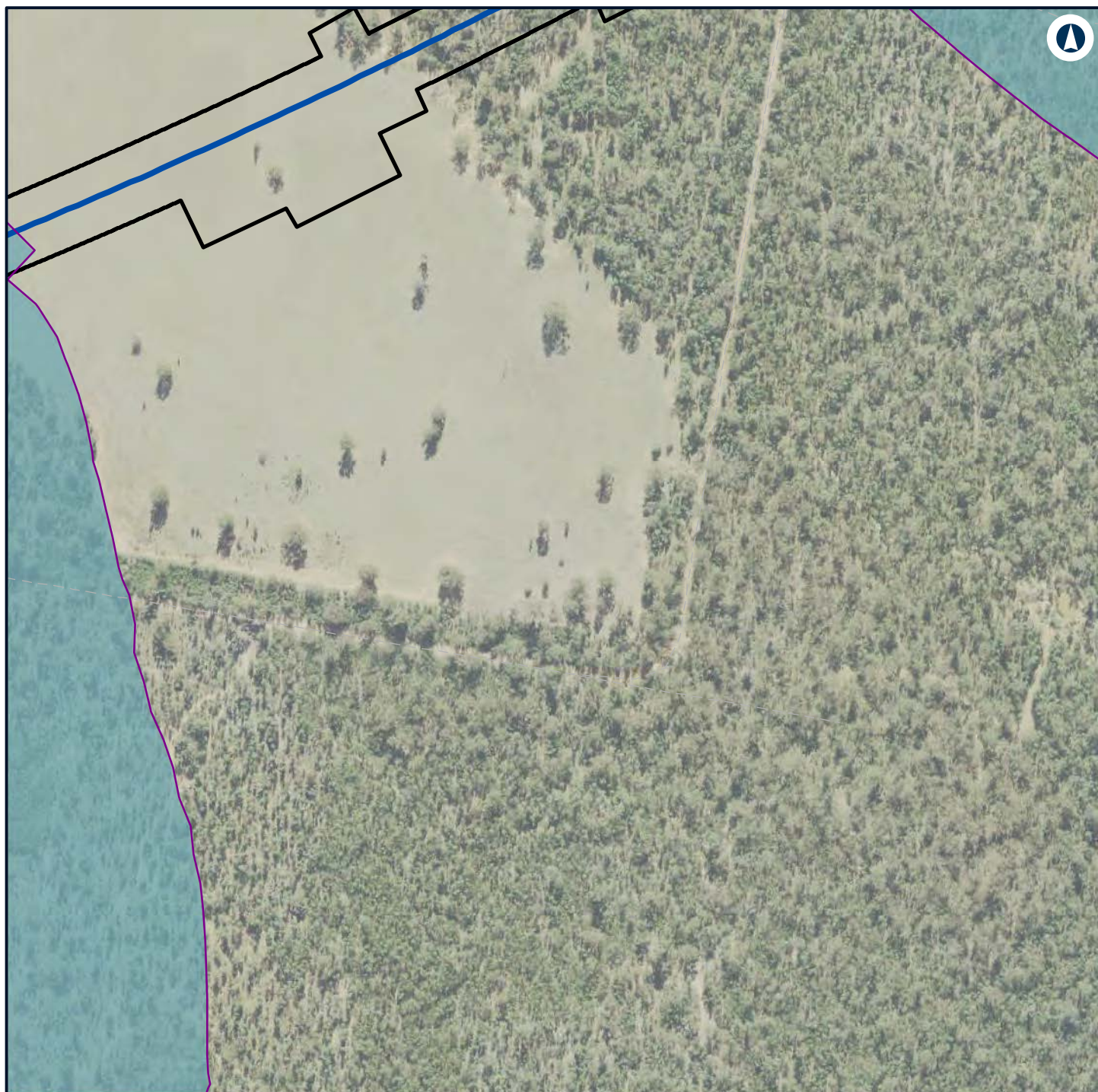
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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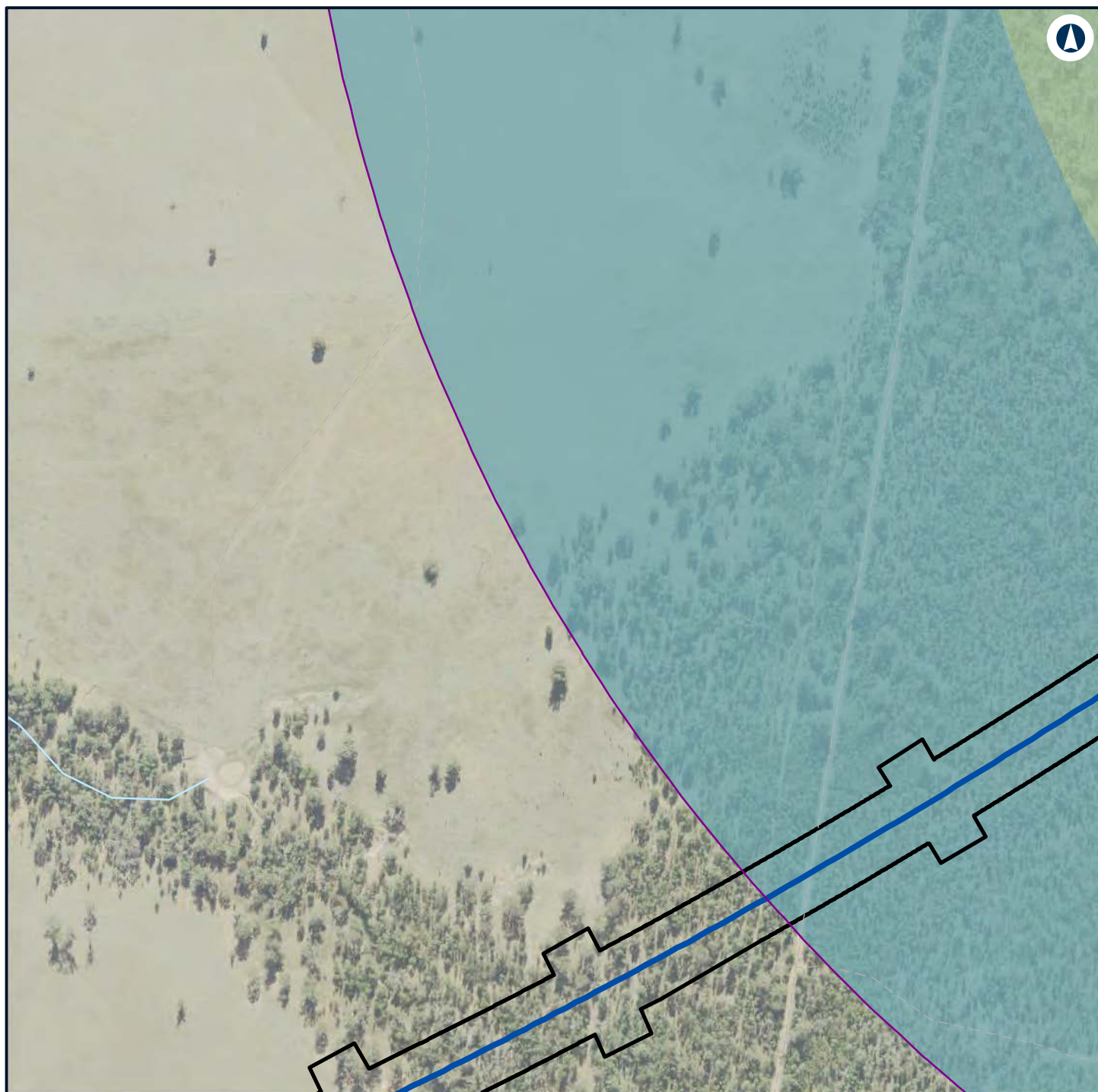
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment 40 - 45
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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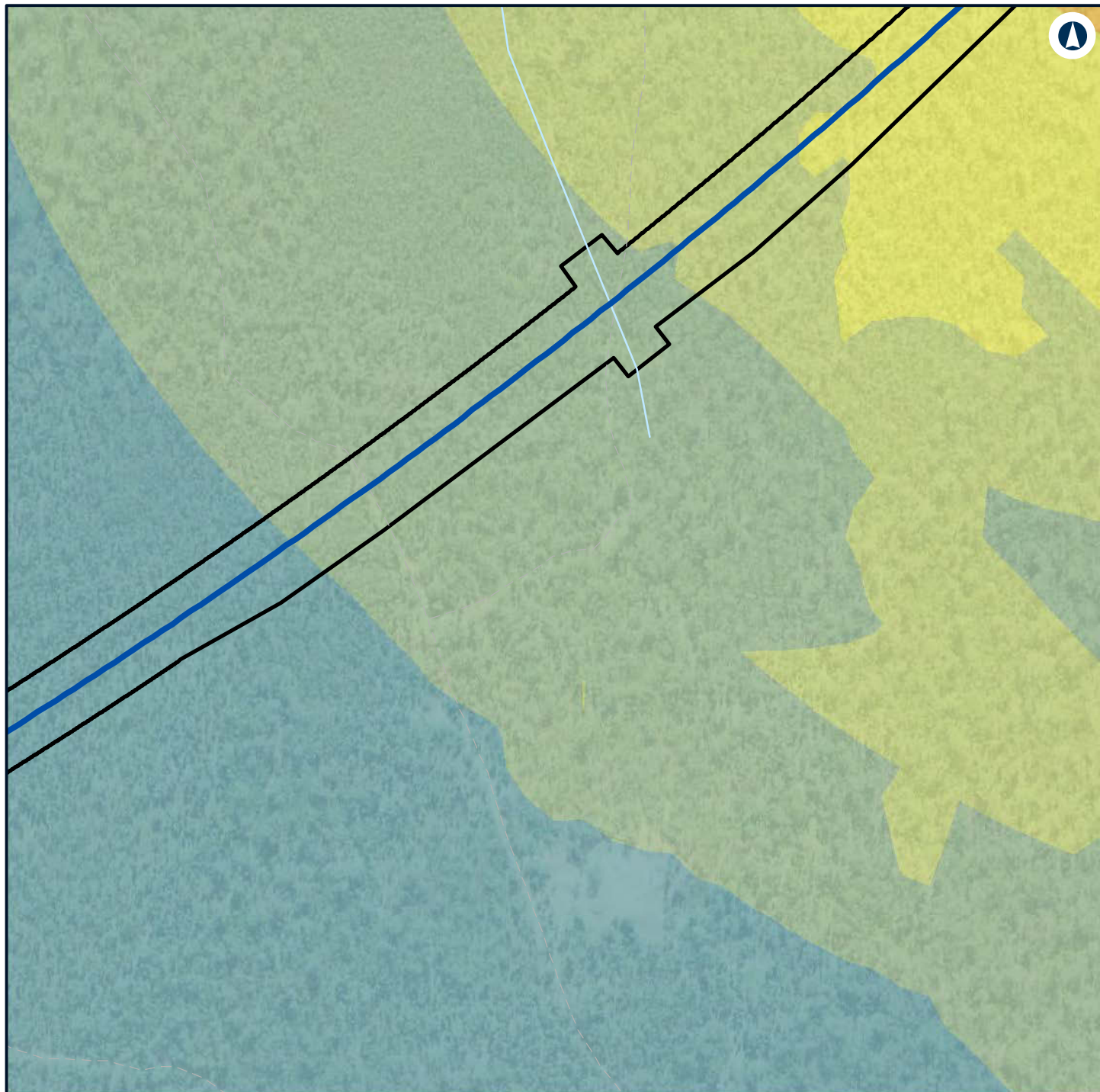
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

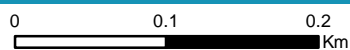
- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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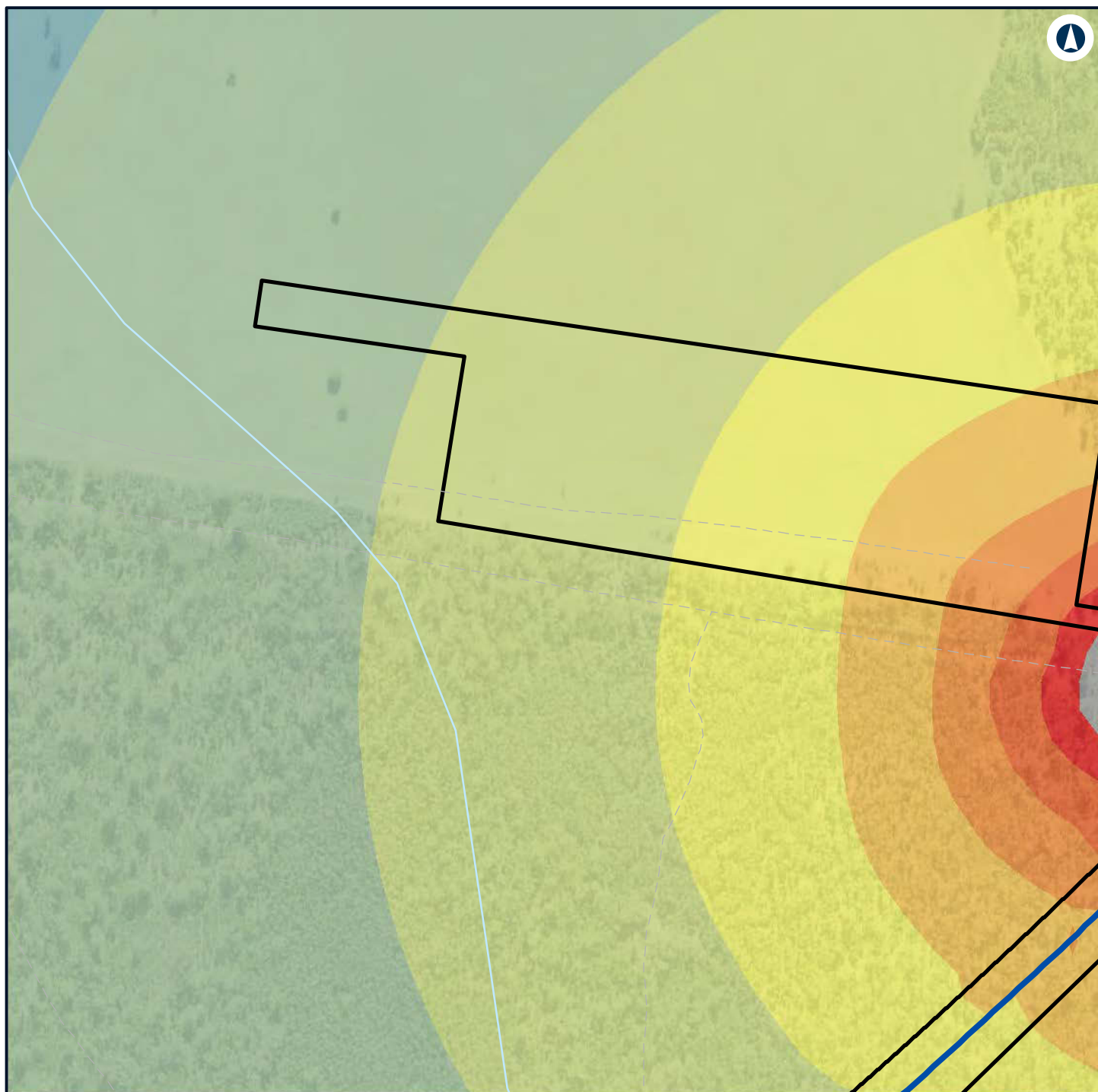
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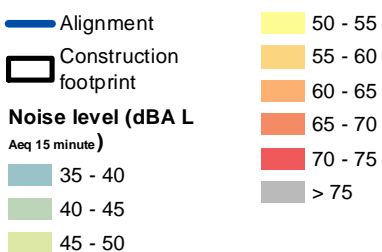
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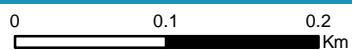
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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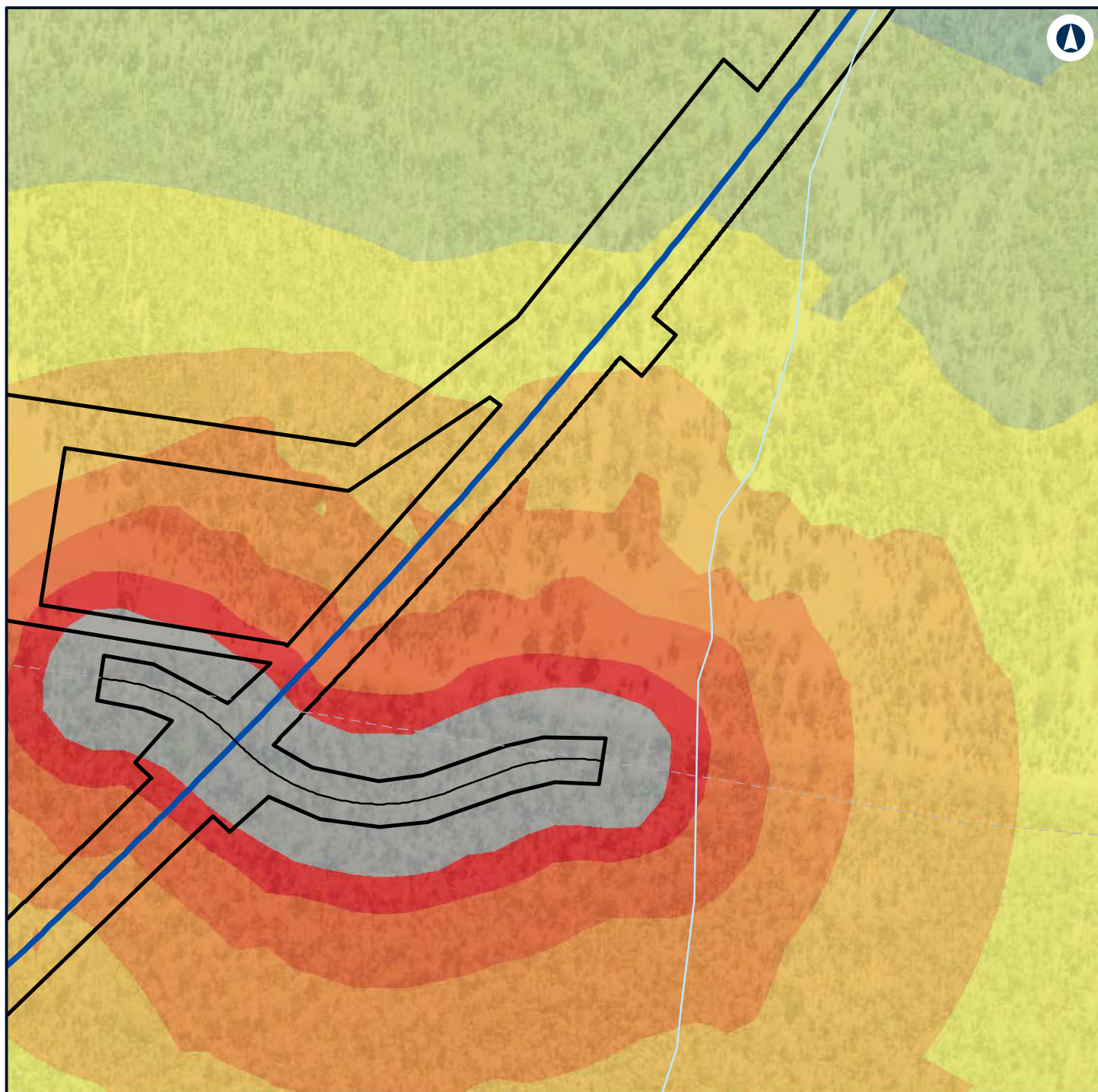
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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
	65 - 70
Noise level (dBA L	70 - 75
Aeq 15 minute)	> 75
40 - 45	
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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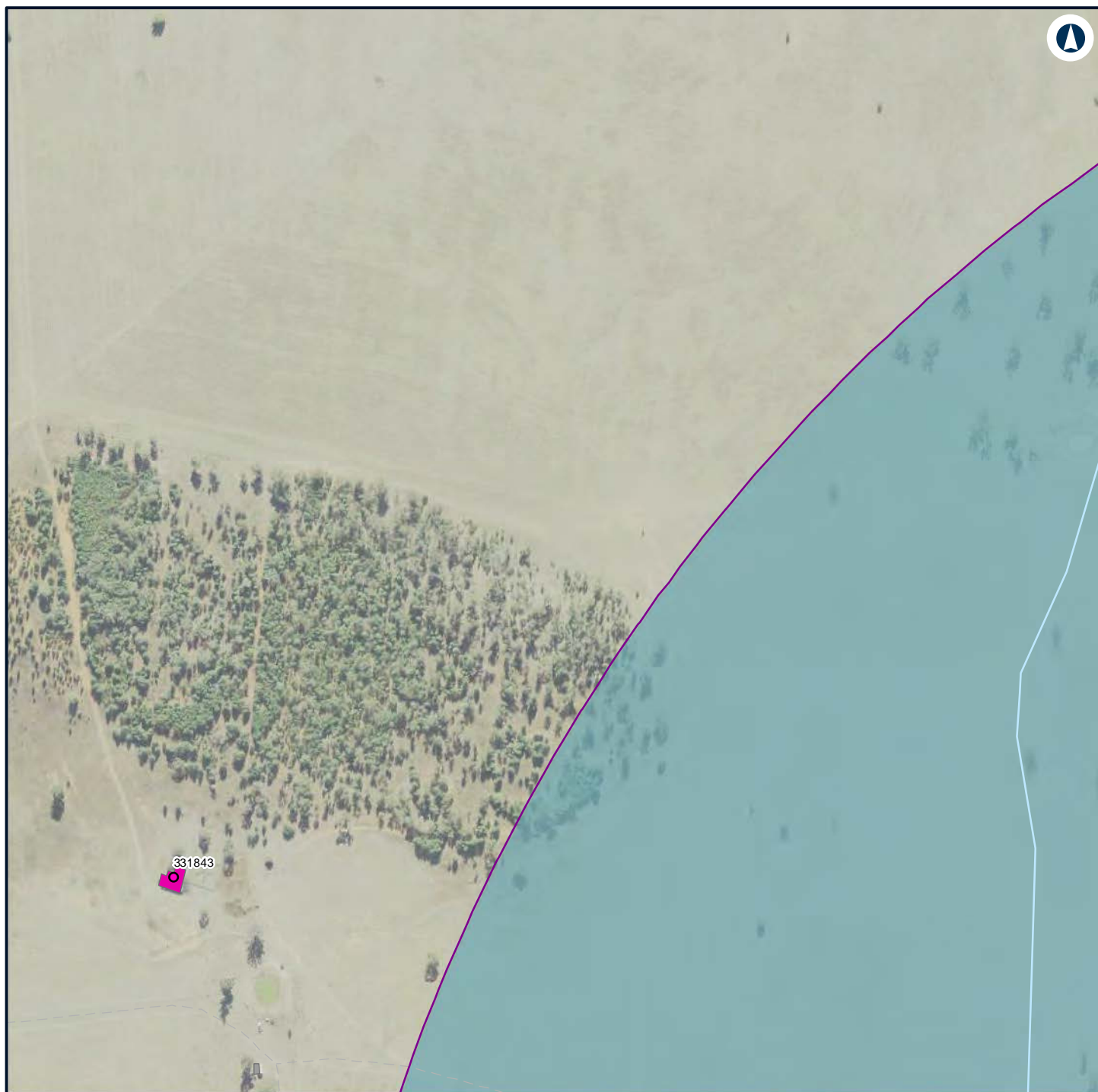
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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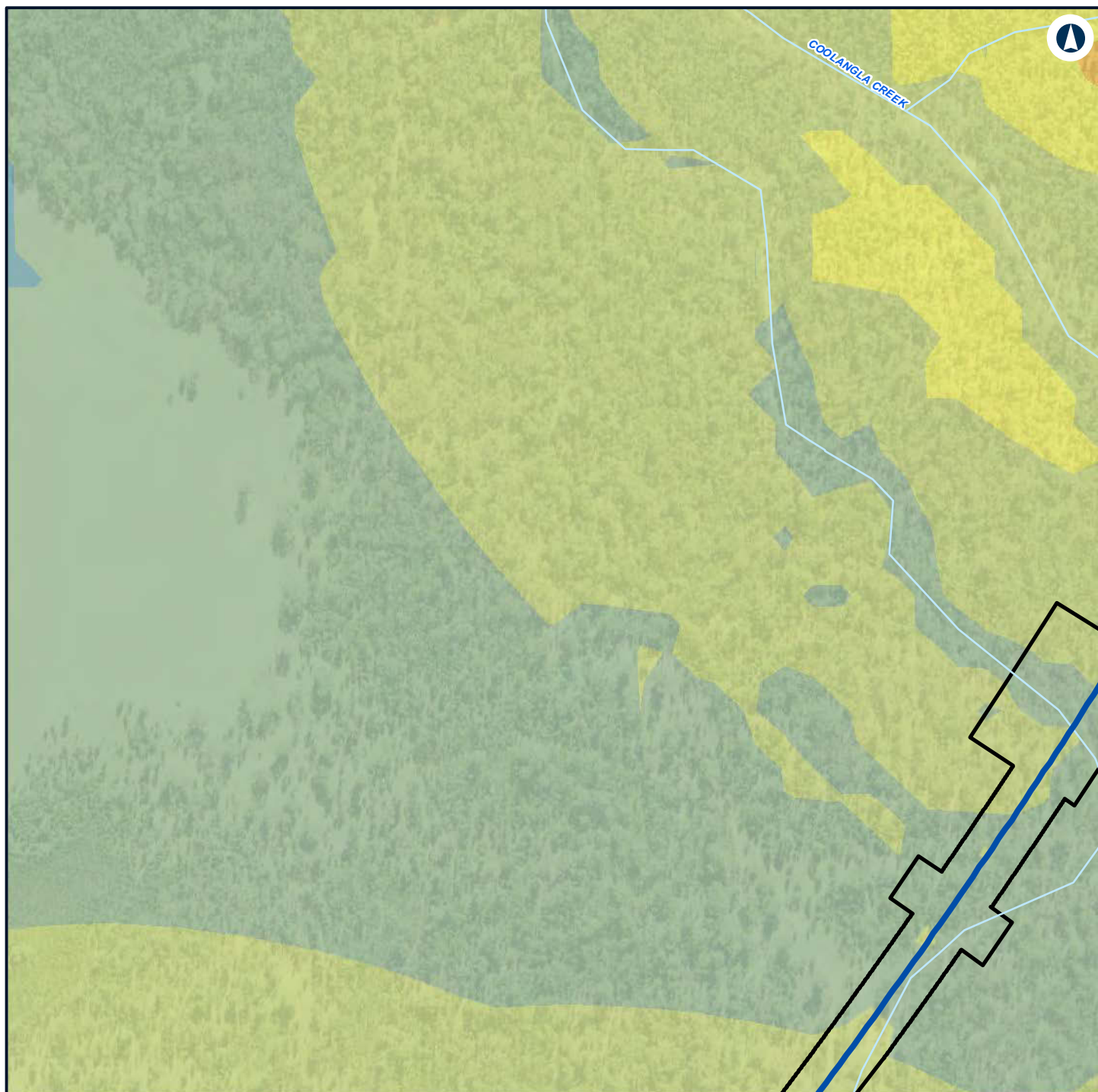
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

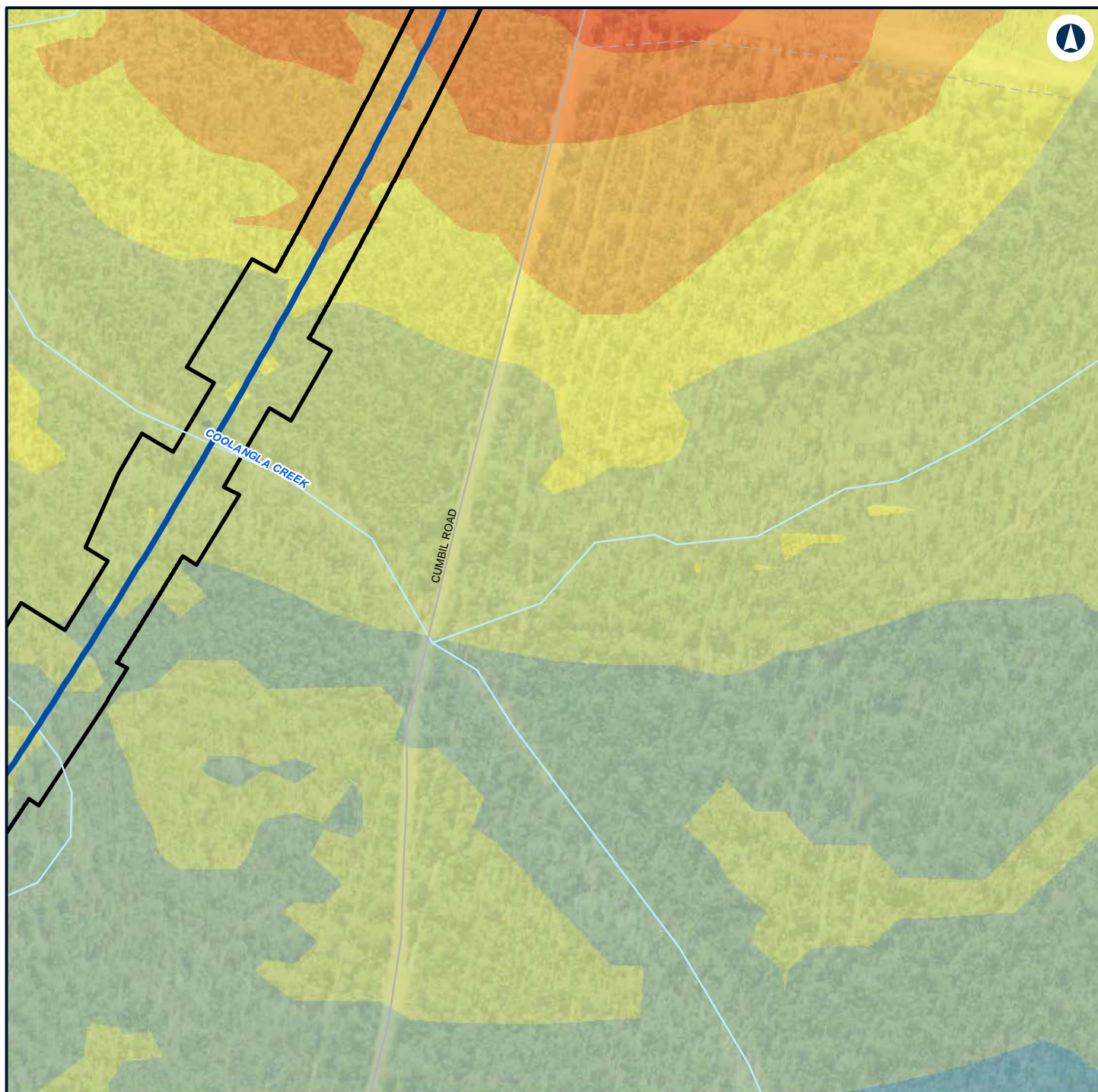
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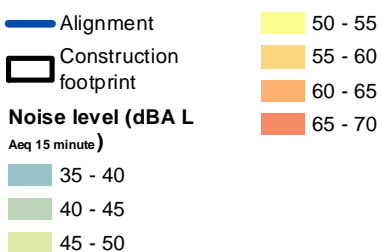
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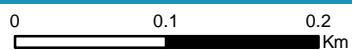
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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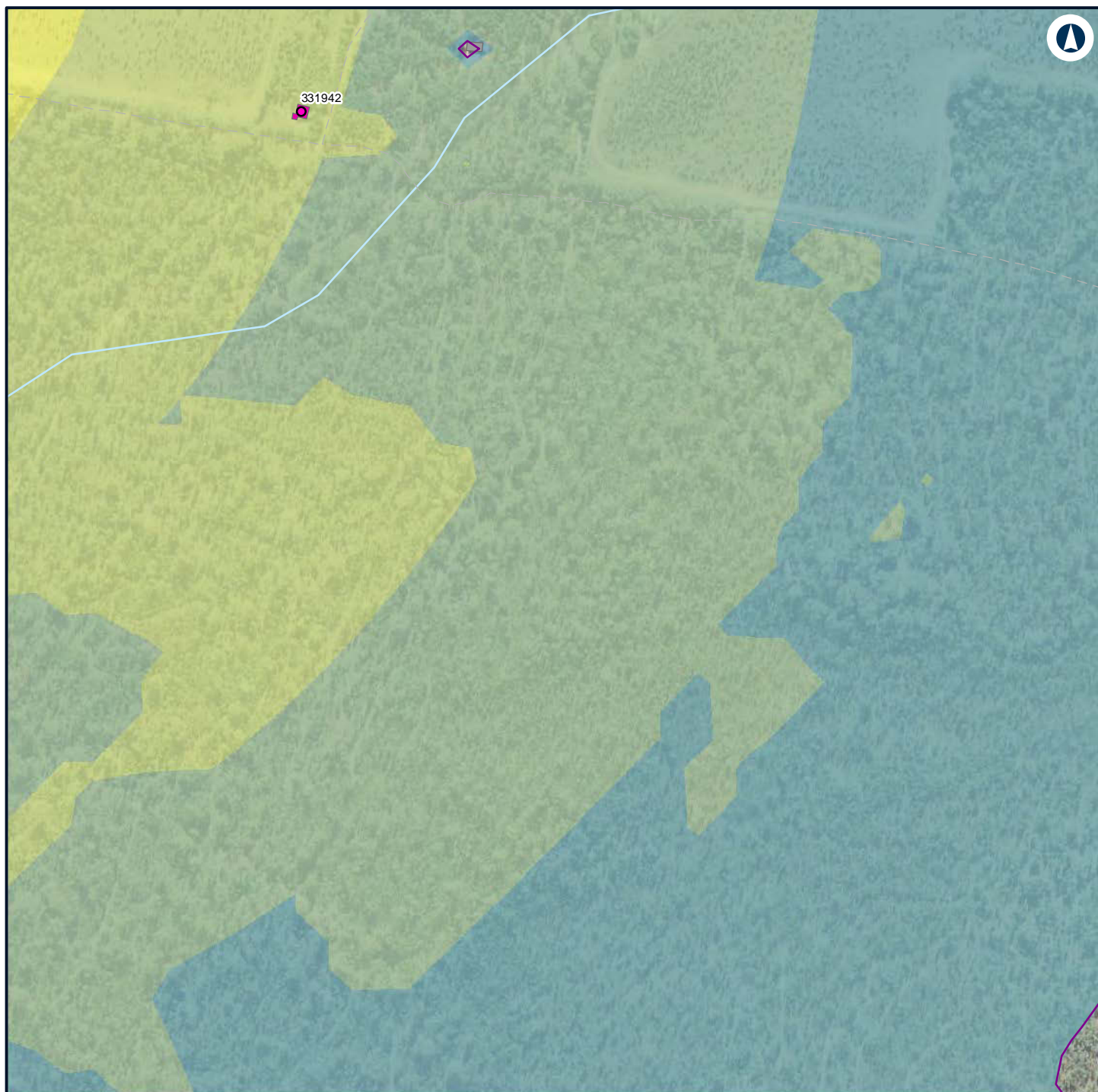
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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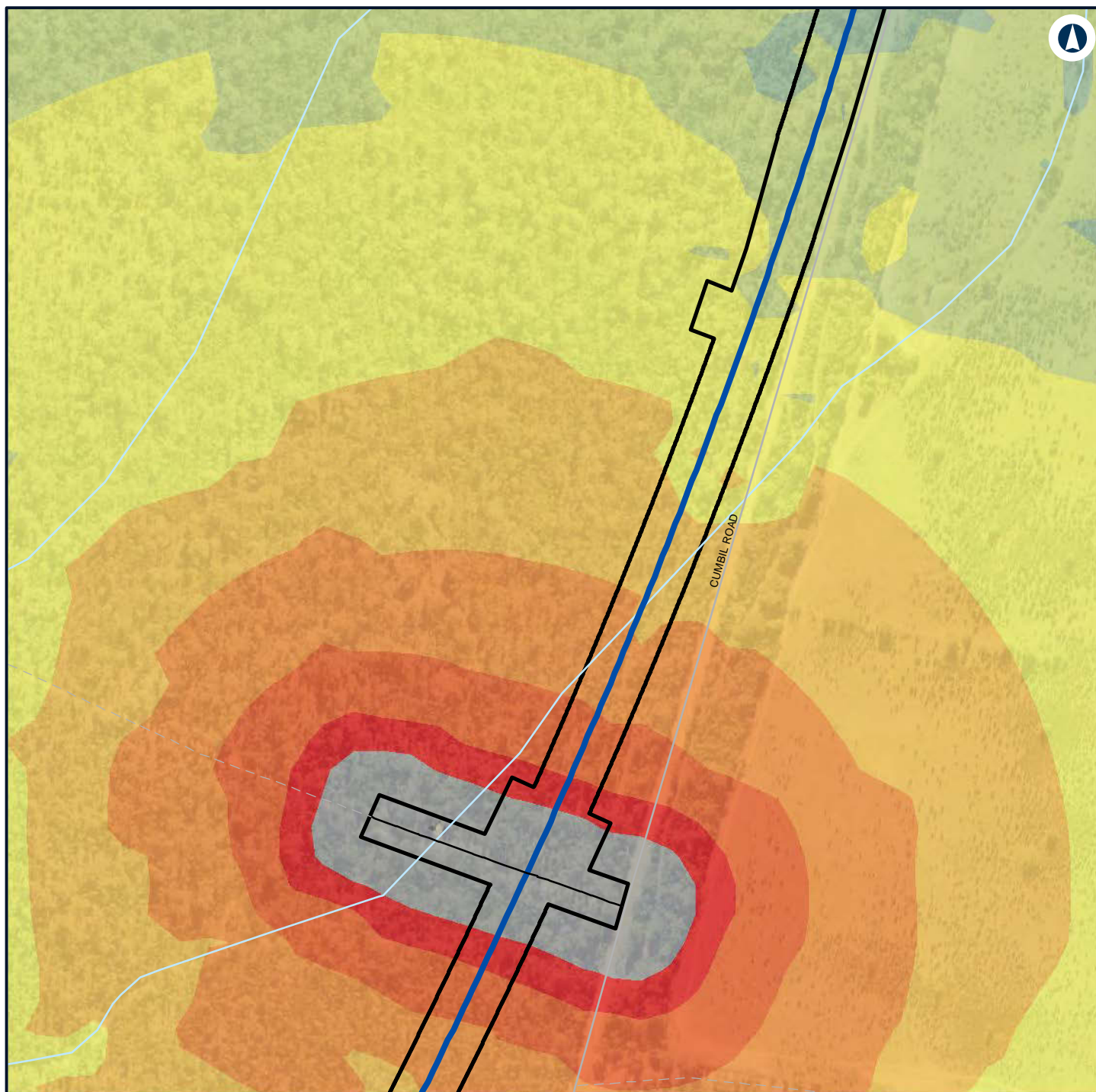
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LEGEND

	Alignment		50 - 55
	Road design string		55 - 60
	Construction footprint		60 - 65
			65 - 70
			70 - 75
			> 75
			40 - 45
			45 - 50

Noise level (dBA L
Aeq 15 minute)



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

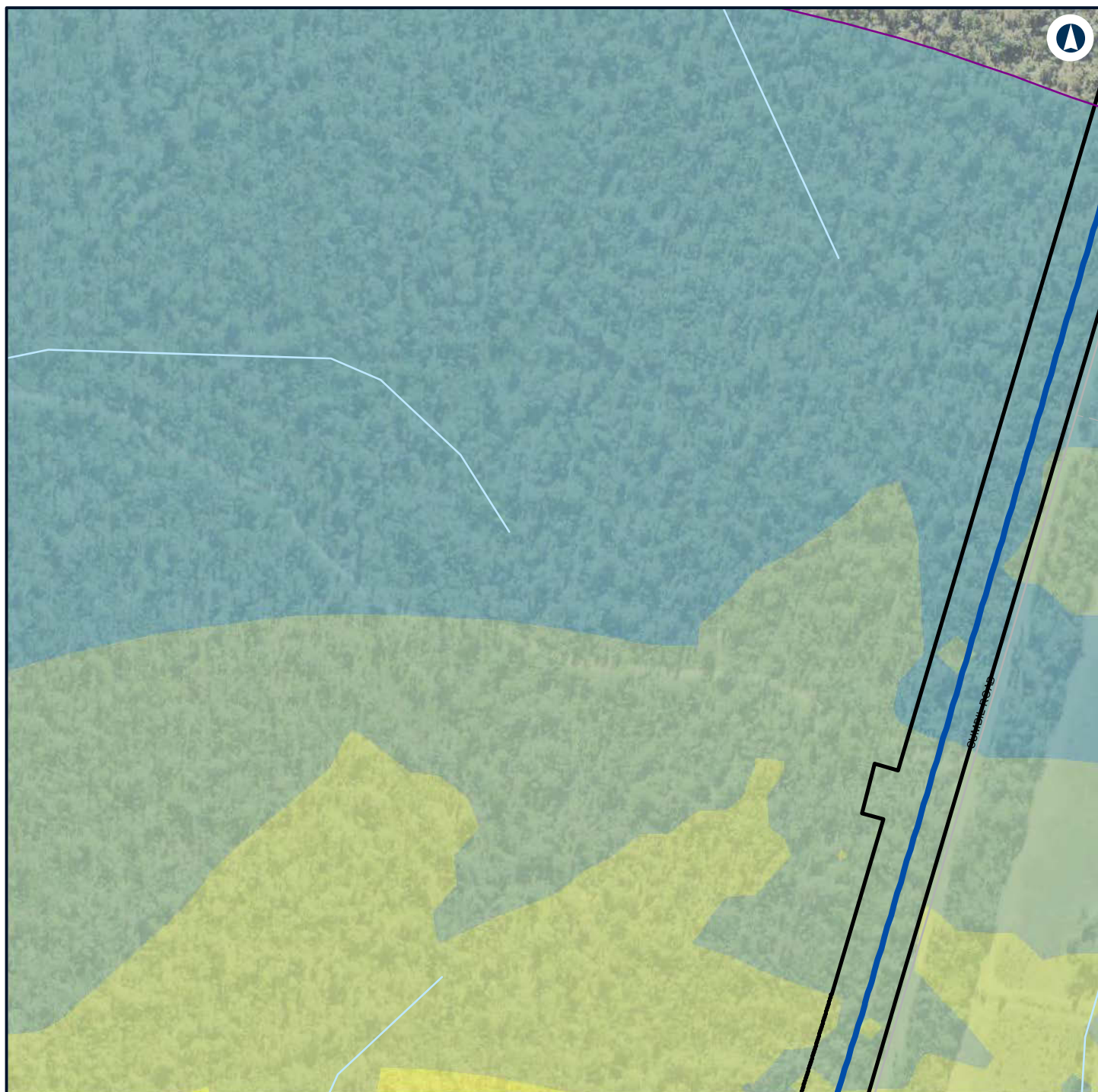
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50
- 50 - 55

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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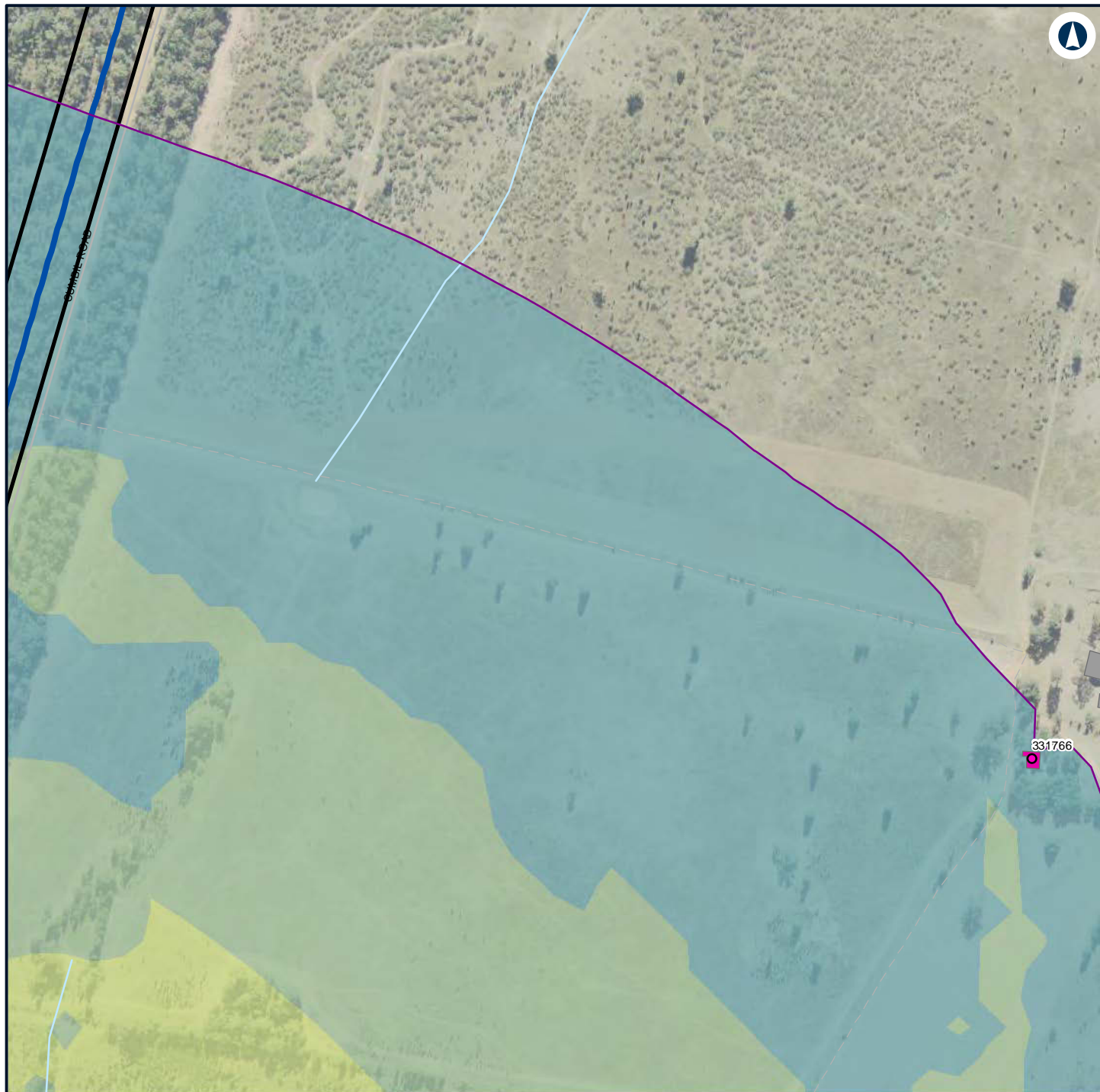
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LEGEND

- Alignment
- Construction footprint
- Structure type**
 - Residential
 - Other
 - Residential
- Night-time noise management level
- Noise level (dBA L Aeq 15 minute)**
 - 35 - 40
 - 40 - 45
 - 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

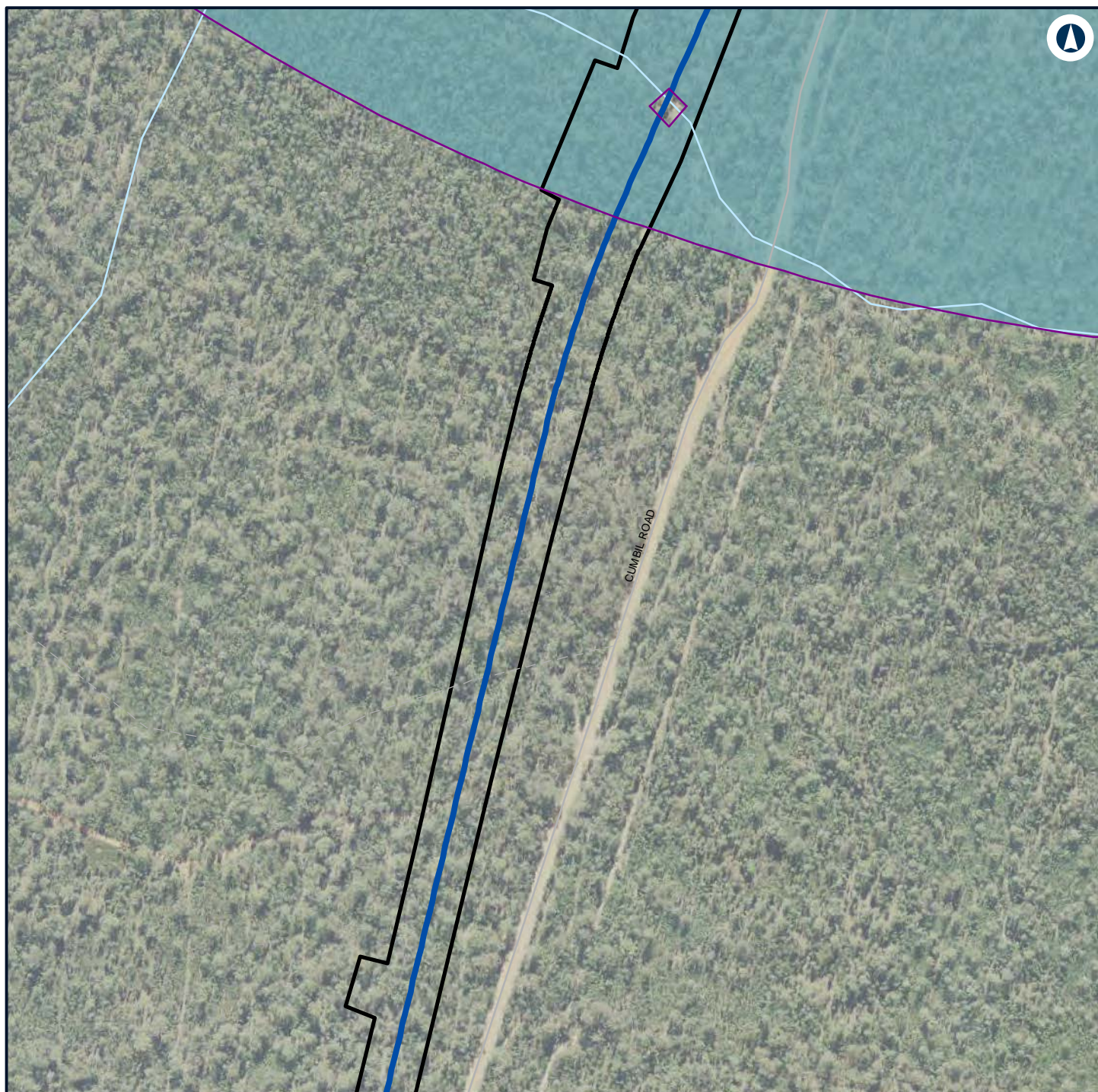
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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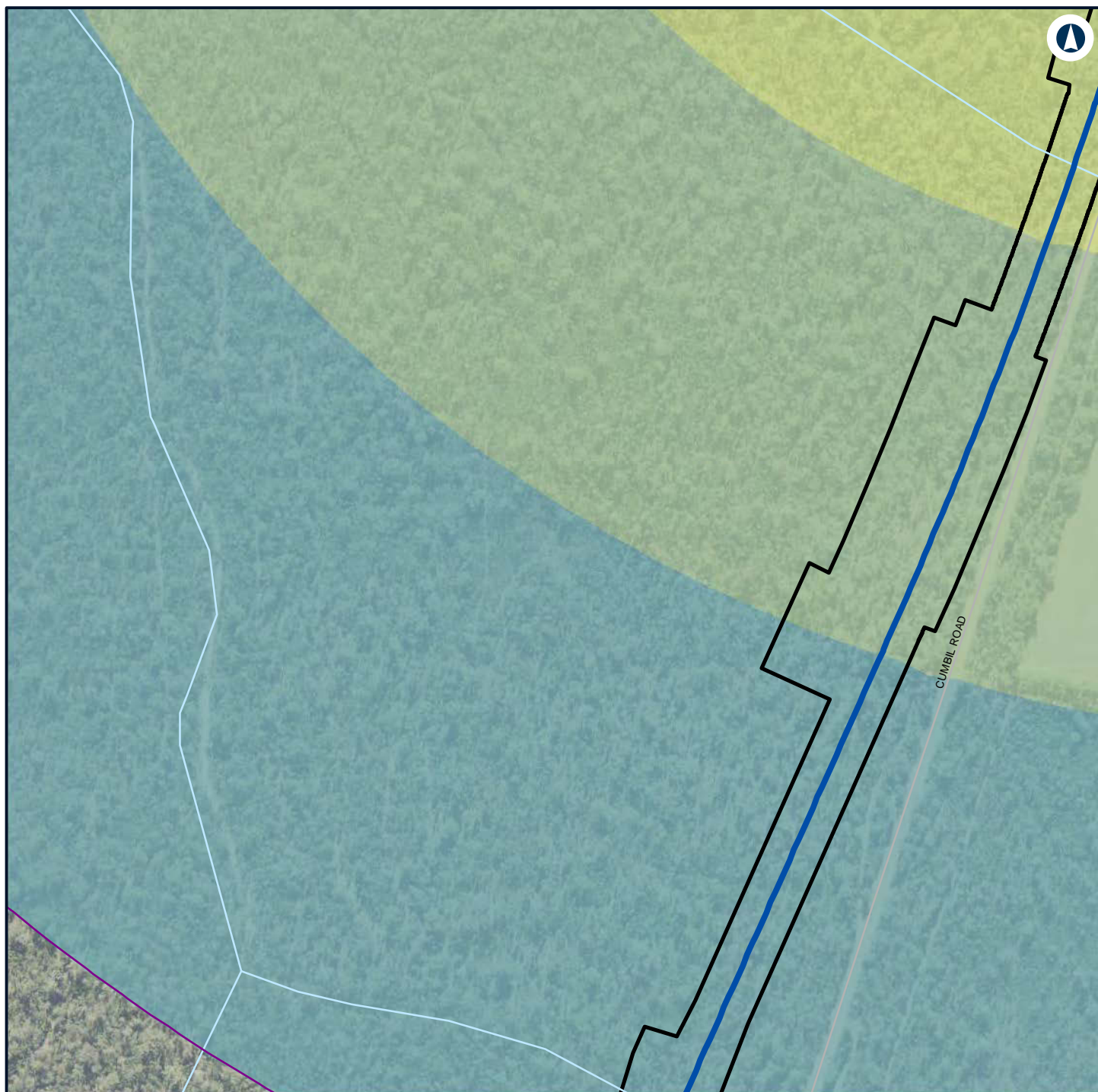
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Alignment

Construction footprint

Noise level (dBA L
Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Date: 22/12/2021

Paper: A4

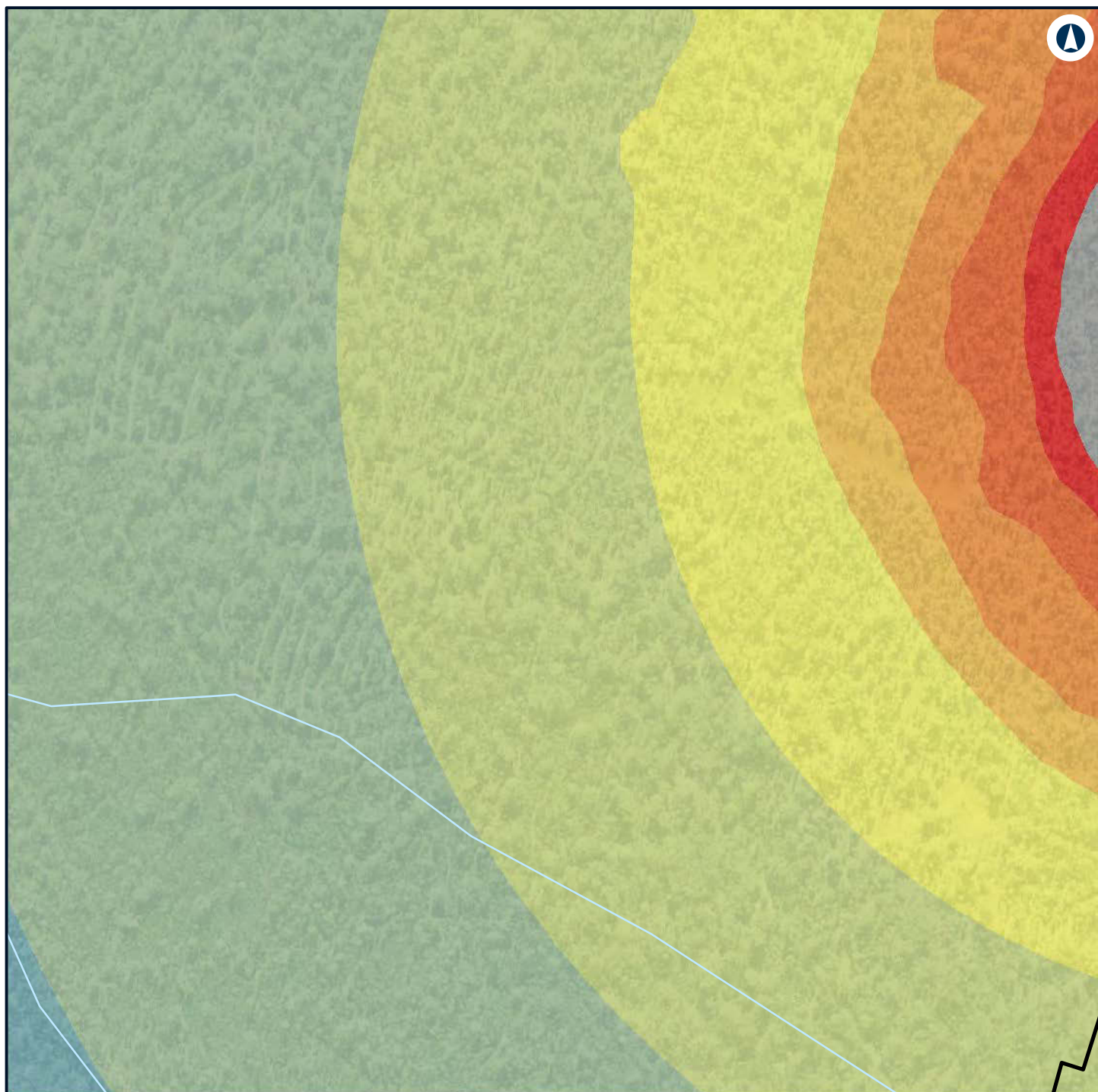
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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LEGEND

Construction footprint

**Noise level (dBA L
Aeq 15 minute)**

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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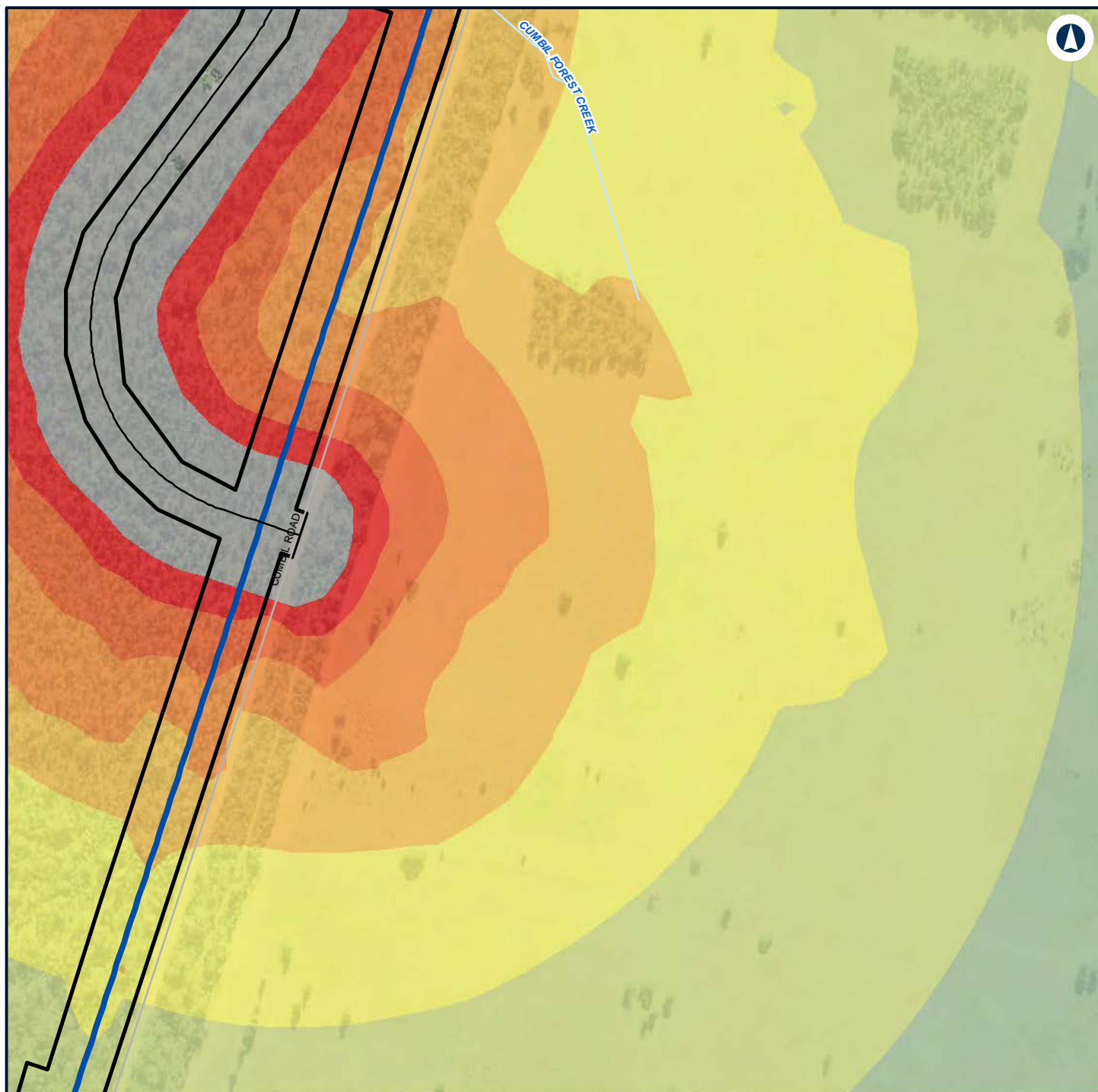
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L)**
Aeq 15 minute)
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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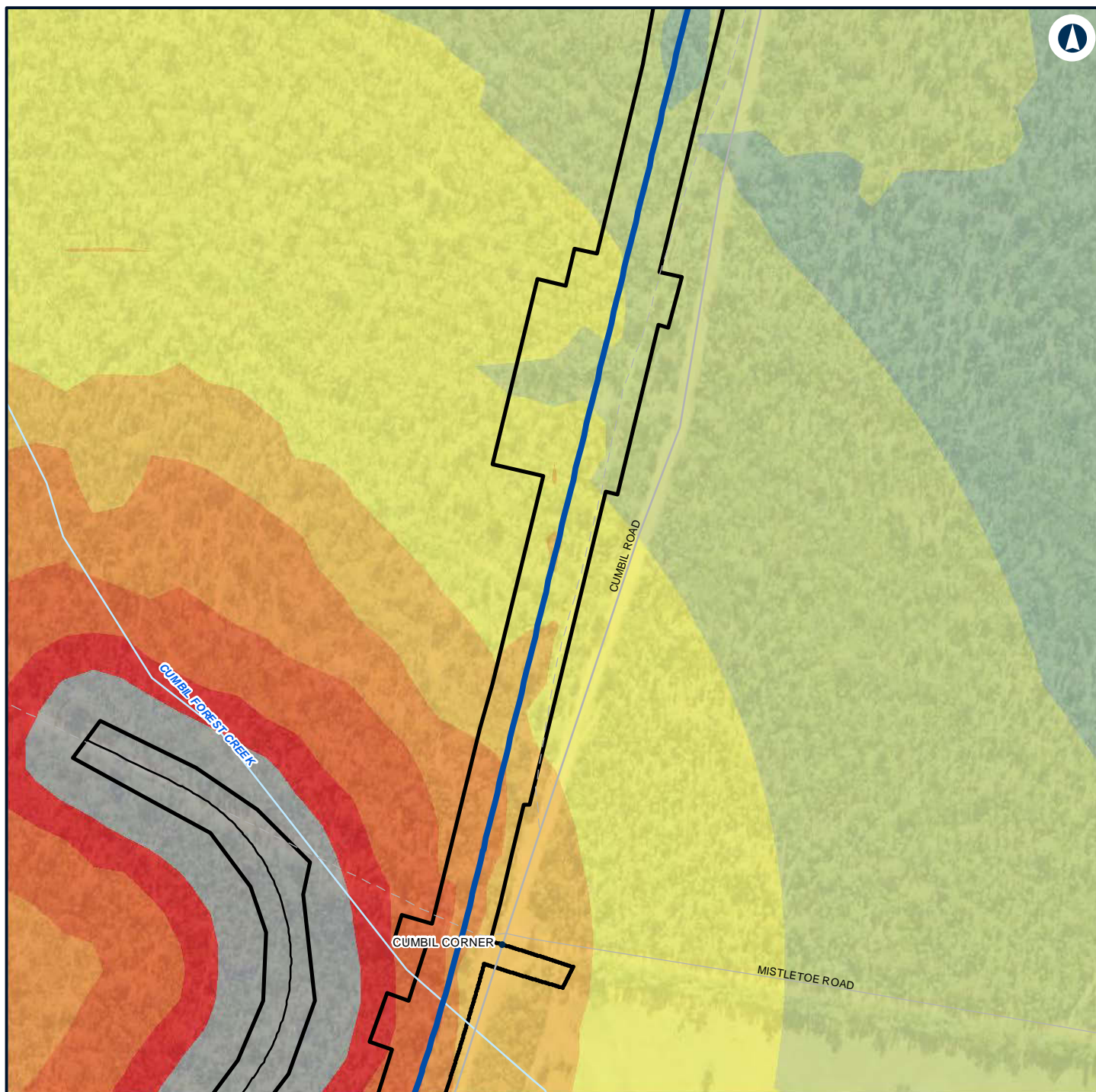
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

	Alignment		50 - 55
	Road design string		55 - 60
	Construction footprint		60 - 65
			65 - 70
			70 - 75
			> 75
			40 - 45
			45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50
- 50 - 55

Noise level (dBA L)

Aeq 15 minute

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 398 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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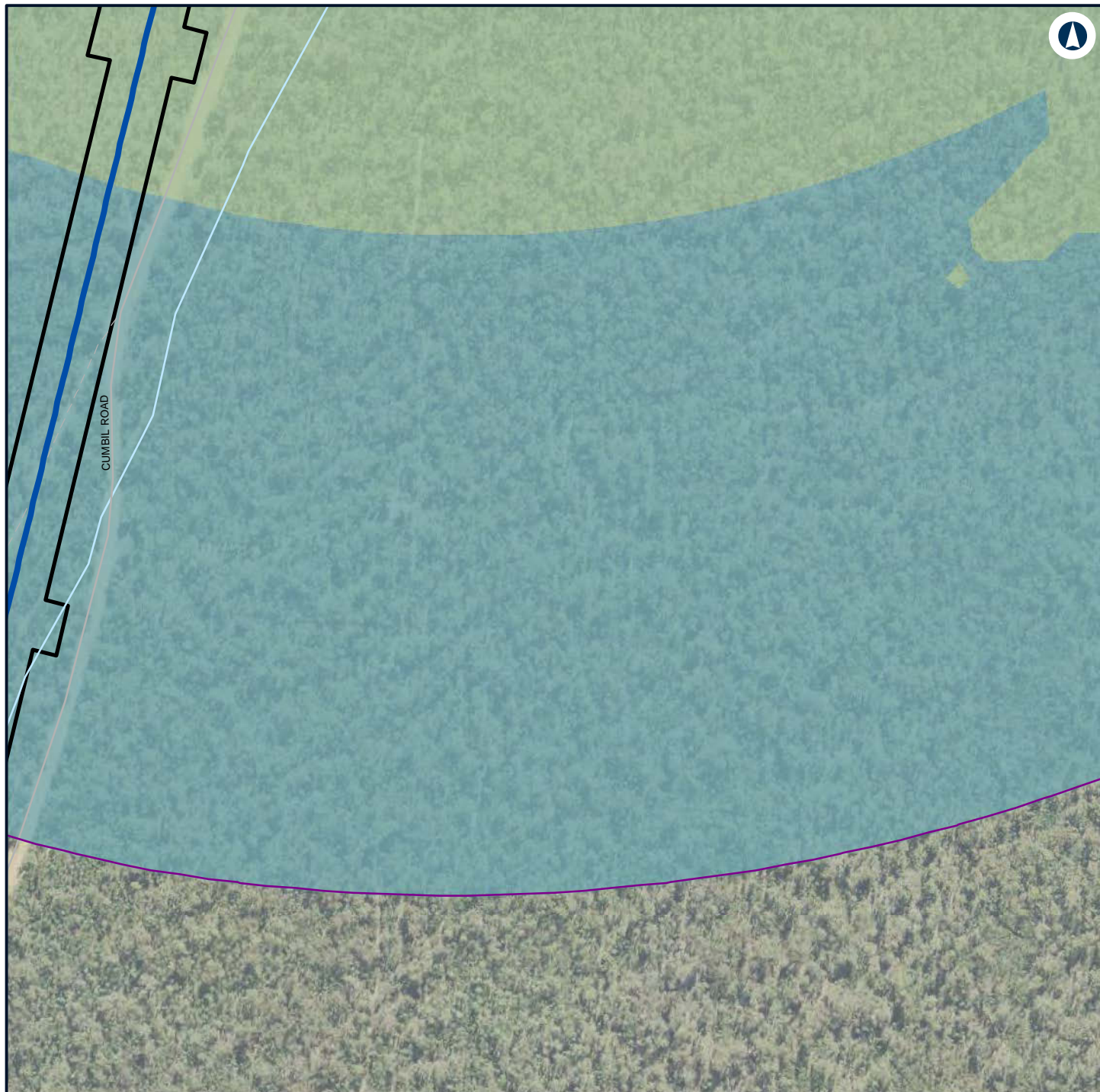
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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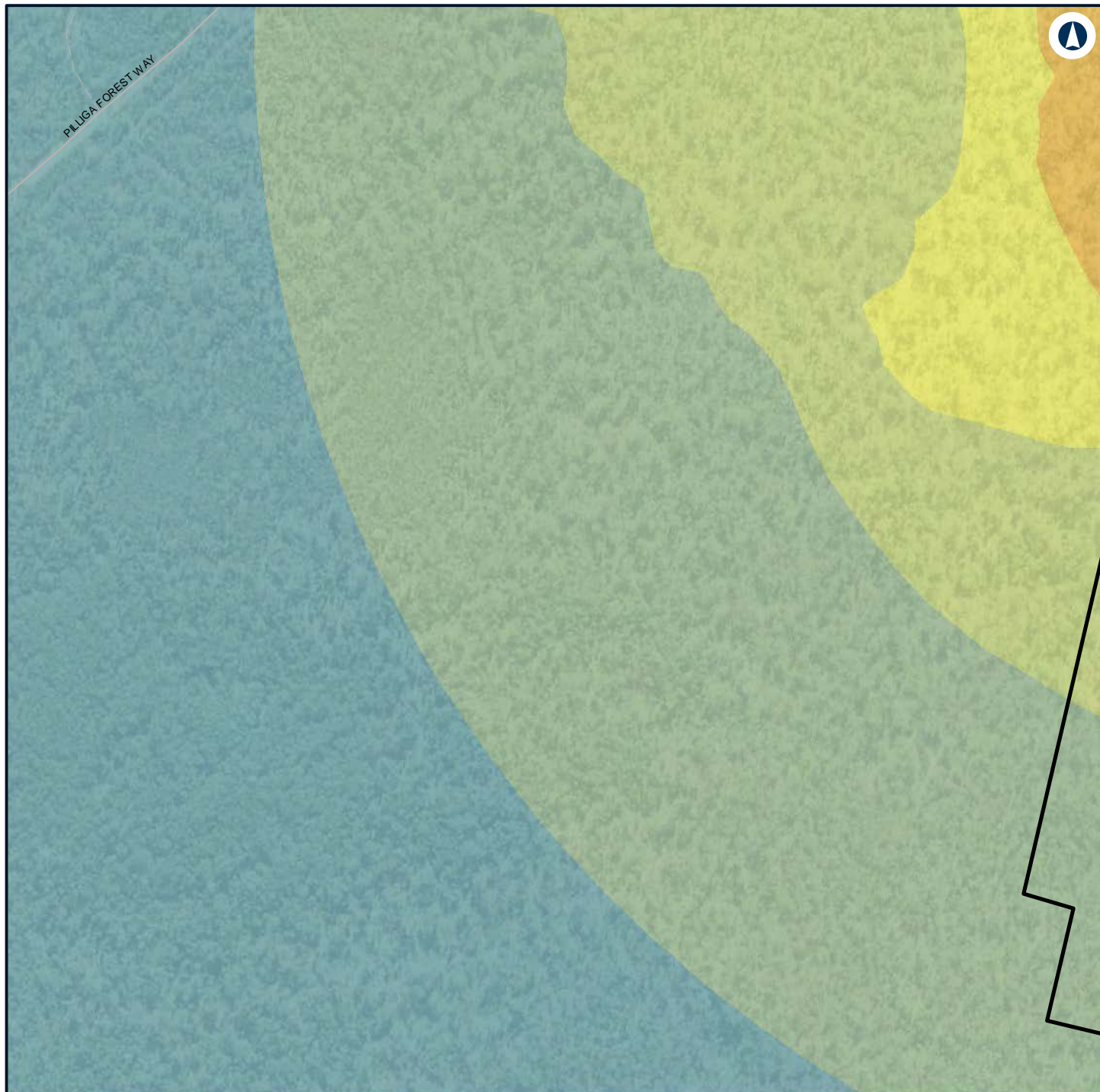
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

 Construction footprint

 55 - 60


Noise level (dBA L

Aeq 15 minute)

 35 - 40

 40 - 45

 45 - 50

 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 400 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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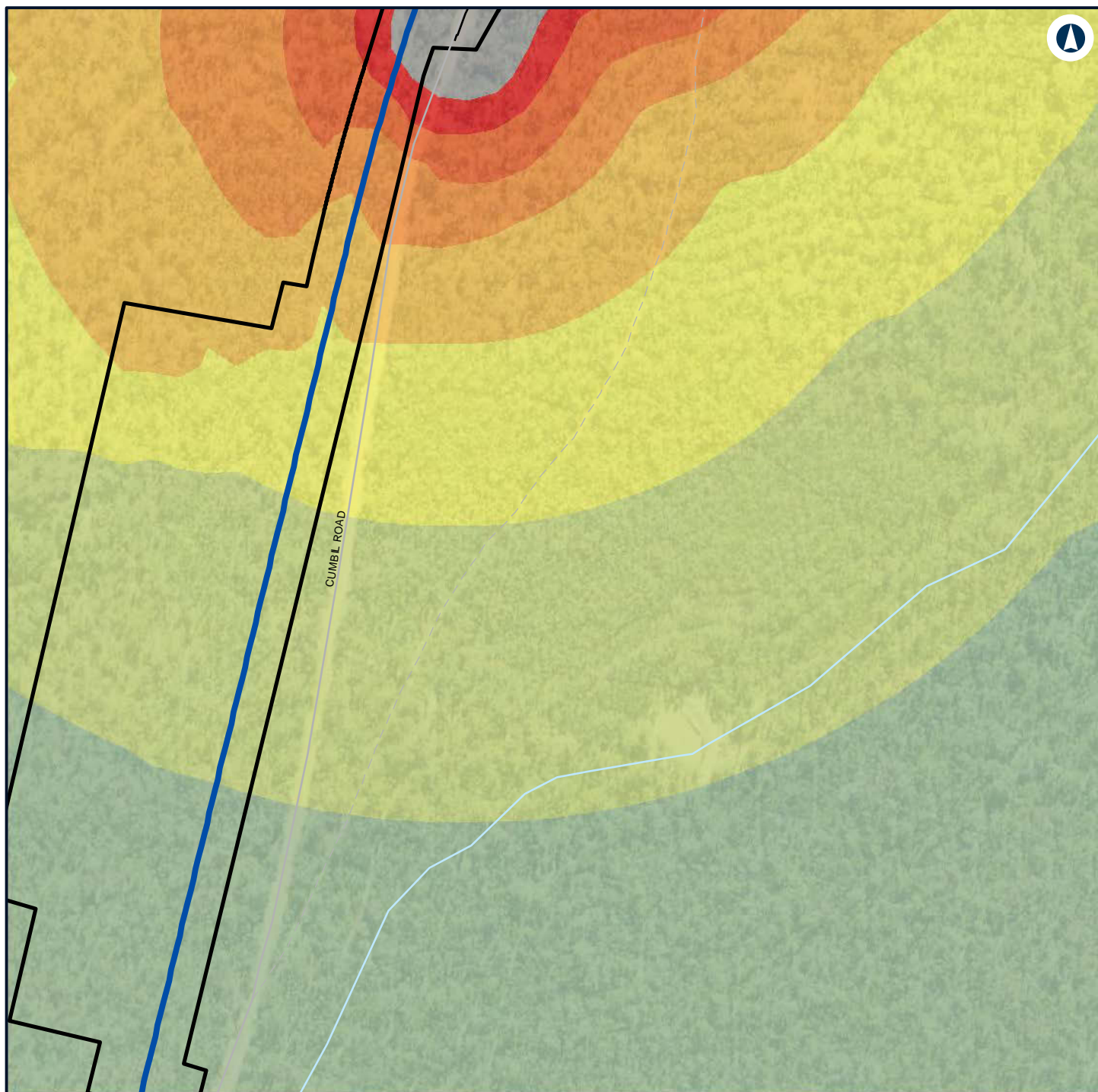
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
 - Road design string
 - Construction footprint
- Noise level (dBA L
Aeq 15 minute)**
- 40 - 45
 - 45 - 50
 - 50 - 55
 - 55 - 60
 - 60 - 65
 - 65 - 70
 - 70 - 75
 - > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 401 of 554

0 0.1 0.2
Km

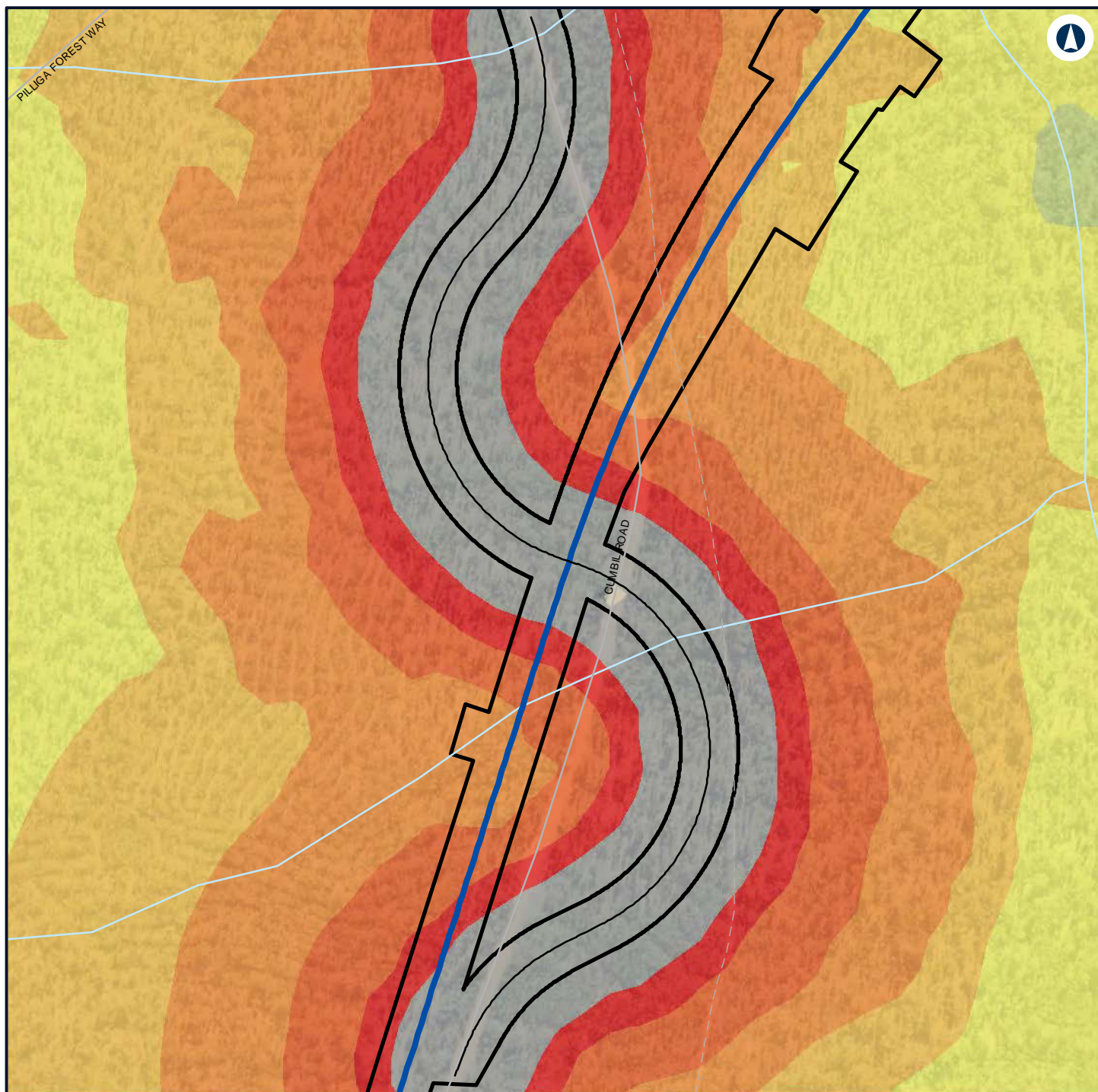
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L)**
Aeq 15 minute)
 - 45 - 50
 - 50 - 55
 - 55 - 60
 - 60 - 65
 - 65 - 70
 - 70 - 75
 - > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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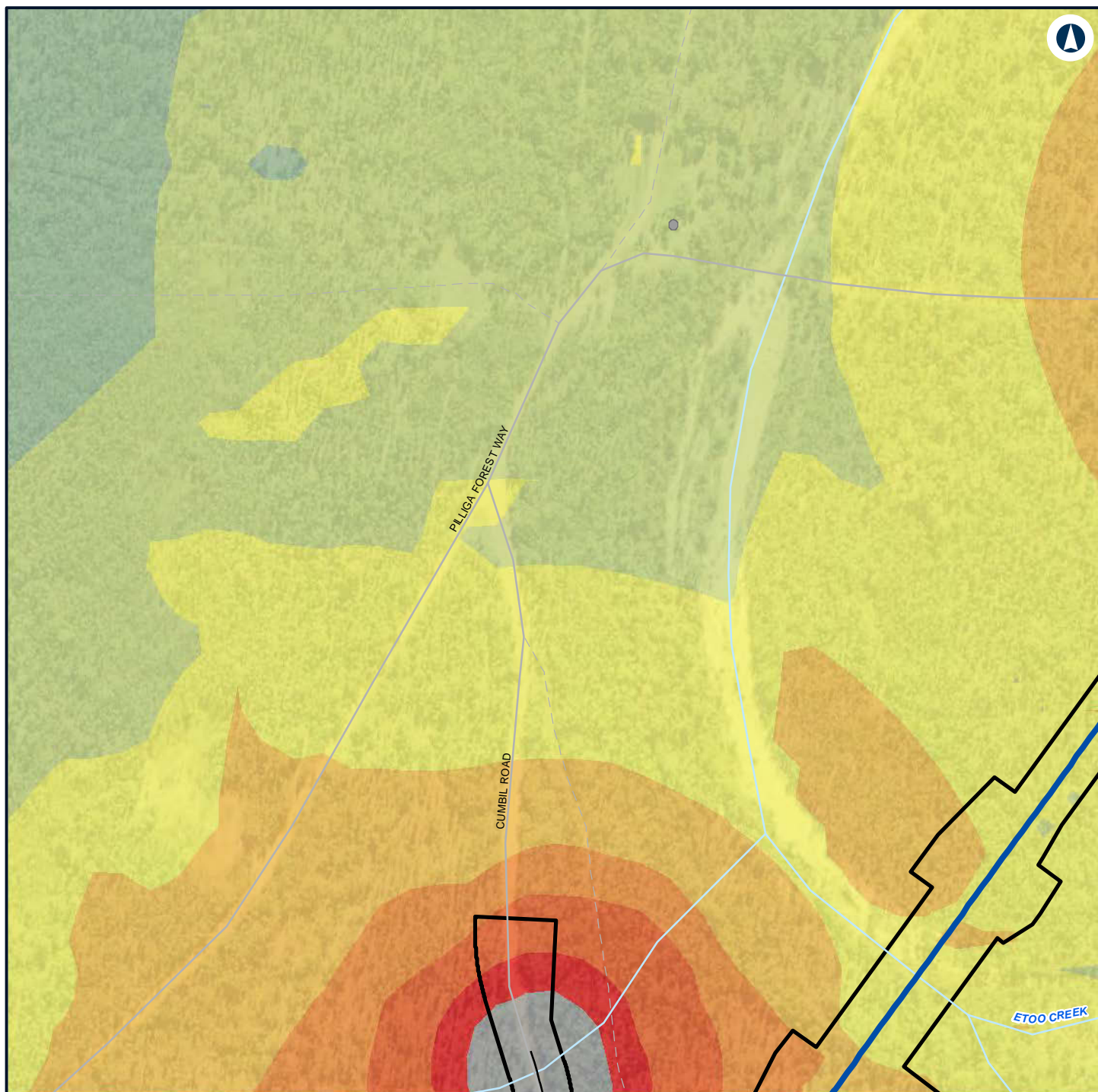
Author: GHD

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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	45 - 50
Road design string	50 - 55
Construction footprint	55 - 60
Other	60 - 65
Noise level (dBA L	65 - 70
Aeq 15 minute)	70 - 75
40 - 45	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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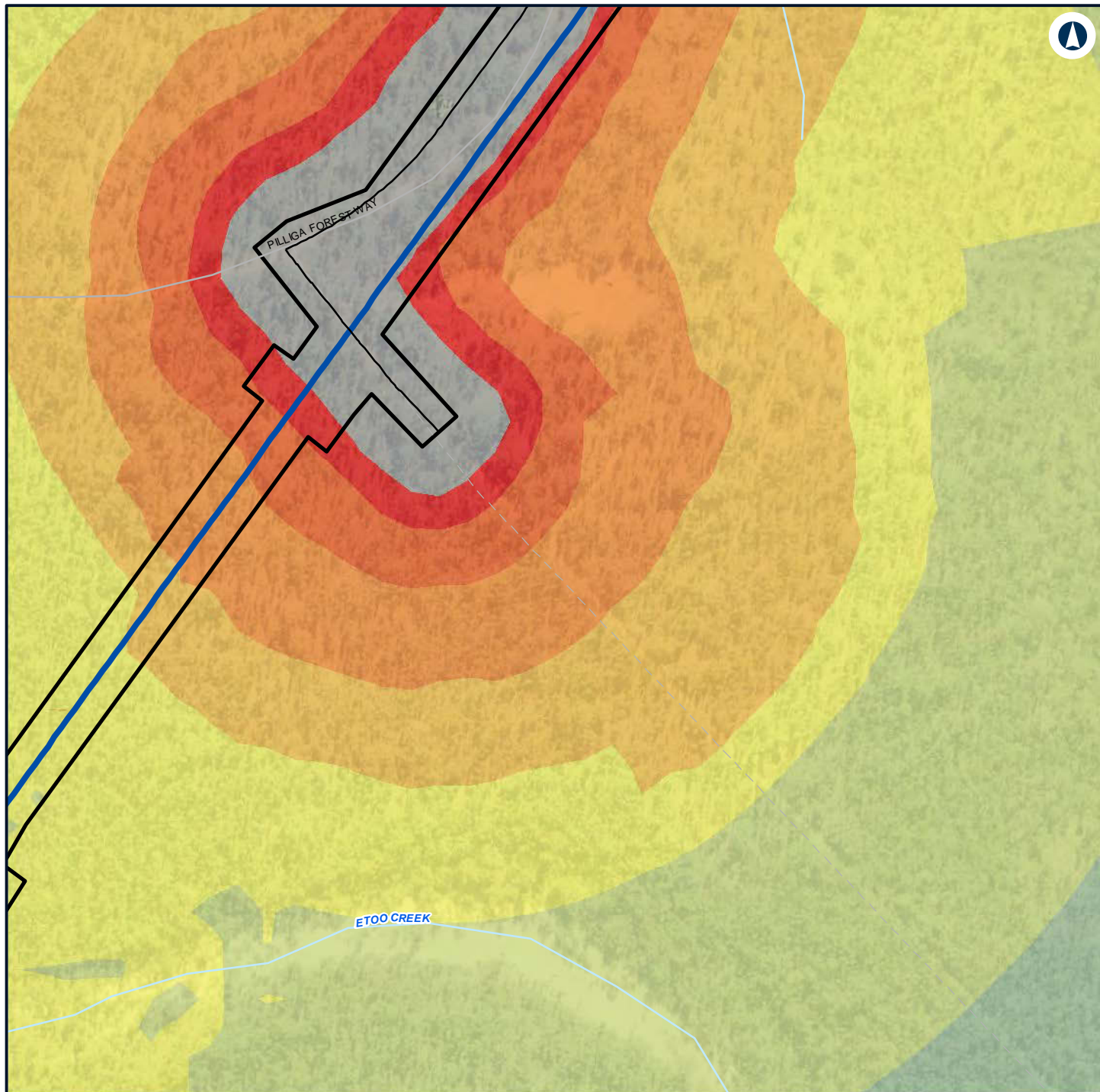
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
	65 - 70
	70 - 75
	> 75
Noise level (dBA L) Aeq 15 minute)	
40 - 45	
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 404 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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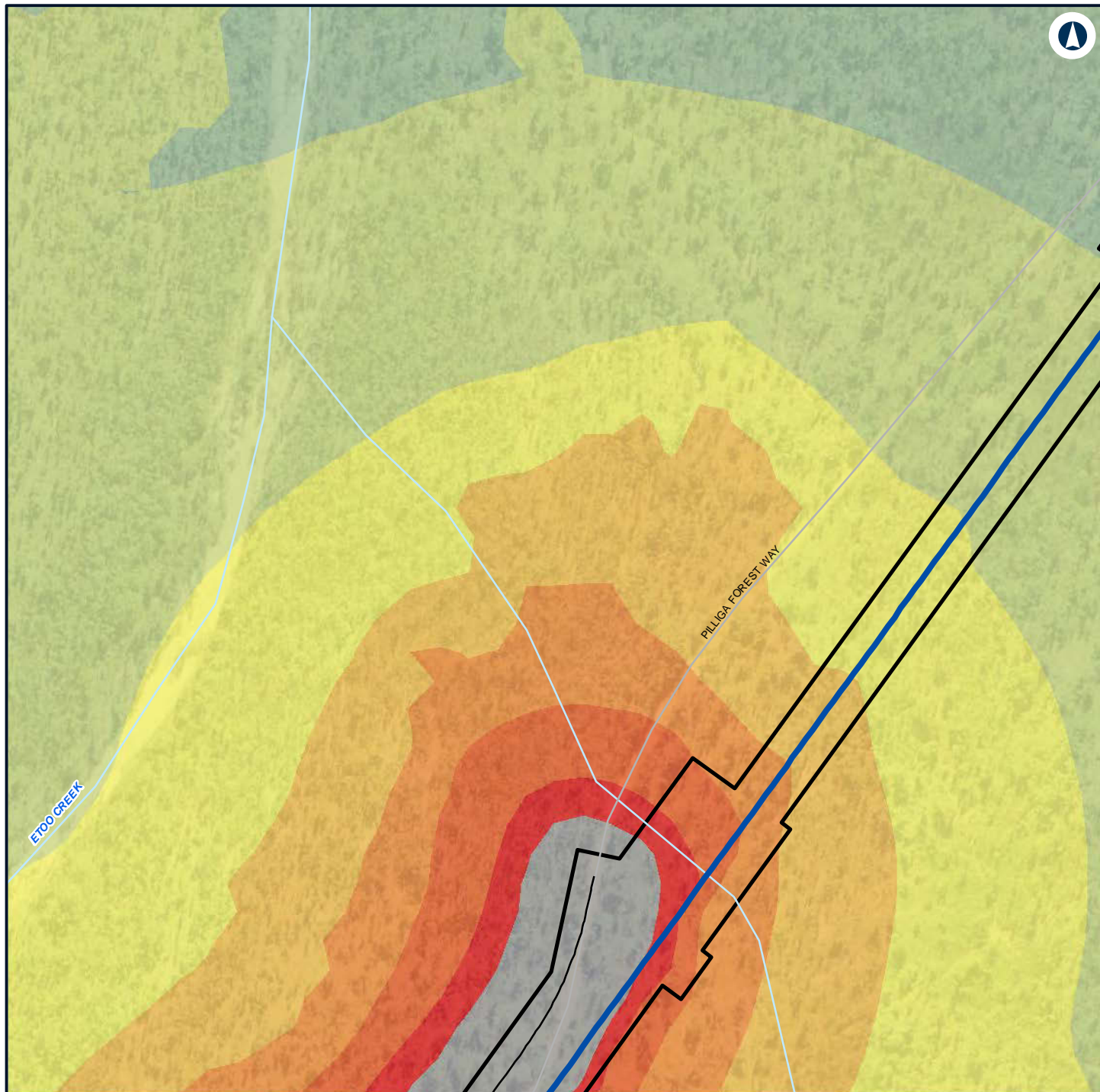
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
Noise level (dBA L	65 - 70
Aeq 15 minute)	70 - 75
40 - 45	> 75
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 405 of 554

0 0.1 0.2
Km

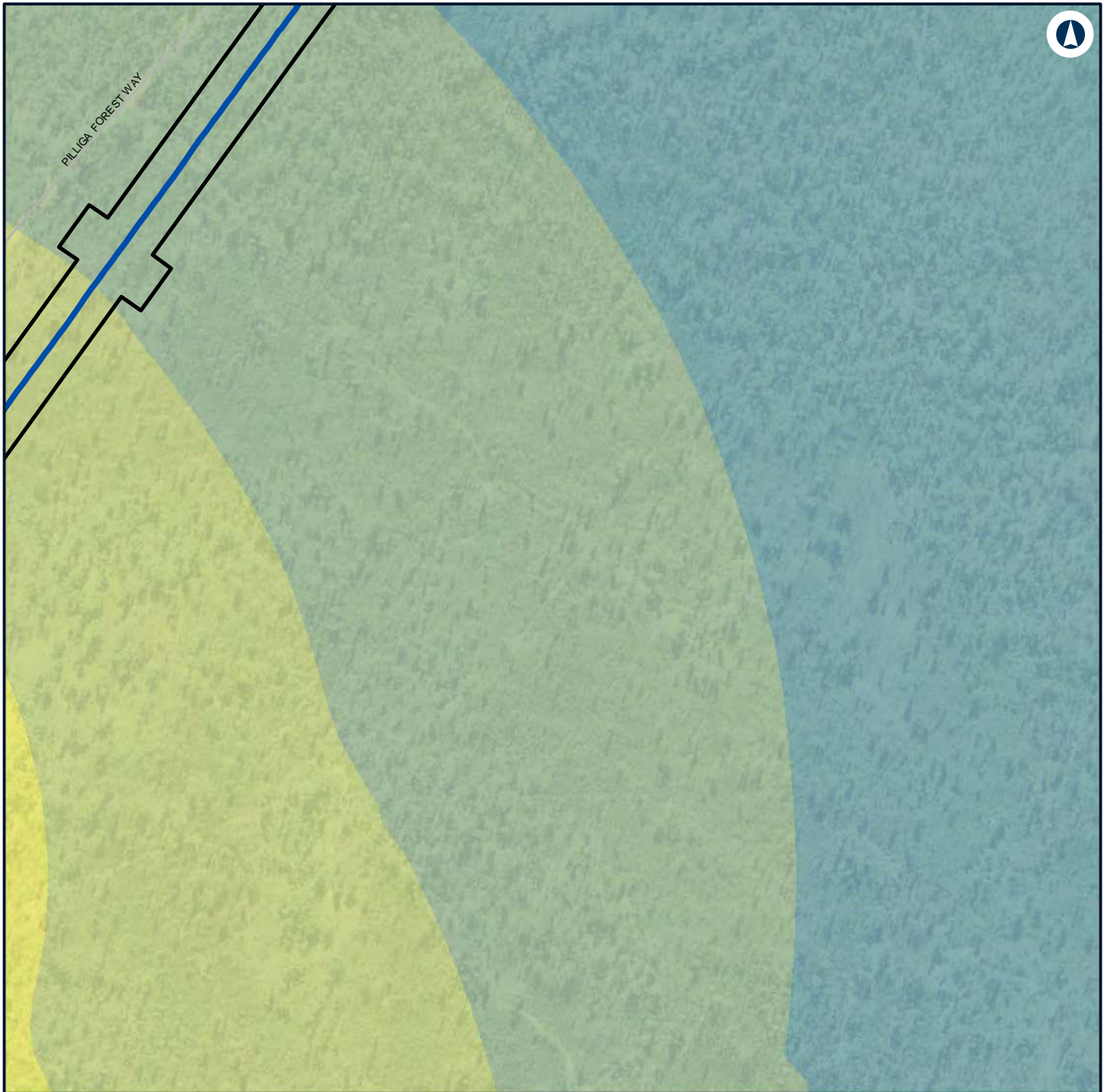
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LEGEND

- Alignment
- Construction footprint

Noise level (dBA L

Aeq 15 minute)

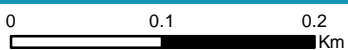
- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

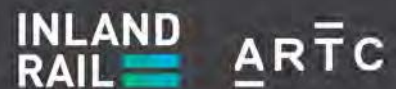
Appendix G - Page 406 of 554



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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 407 of 554

0 0.1 0.2
Km

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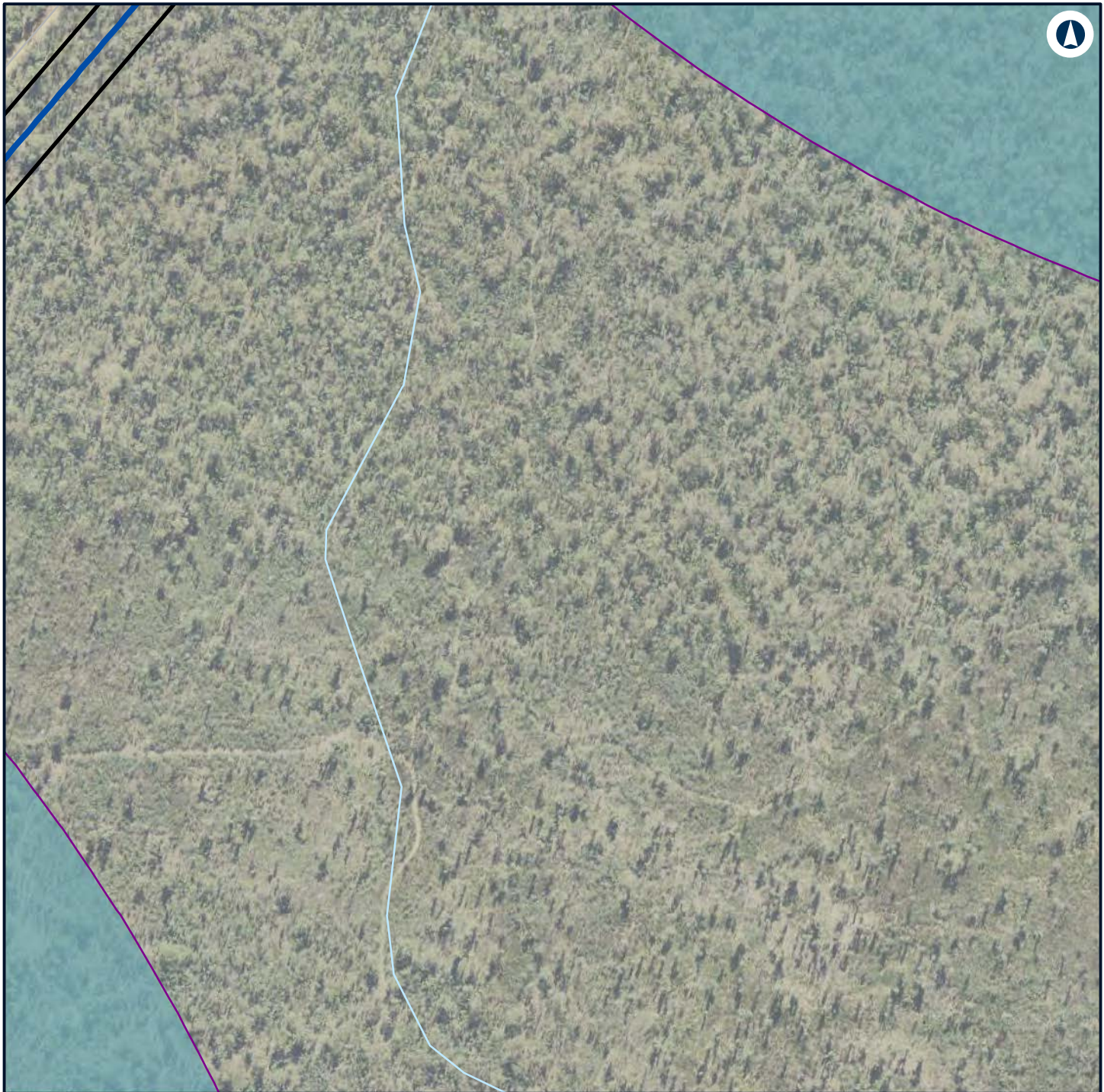
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 408 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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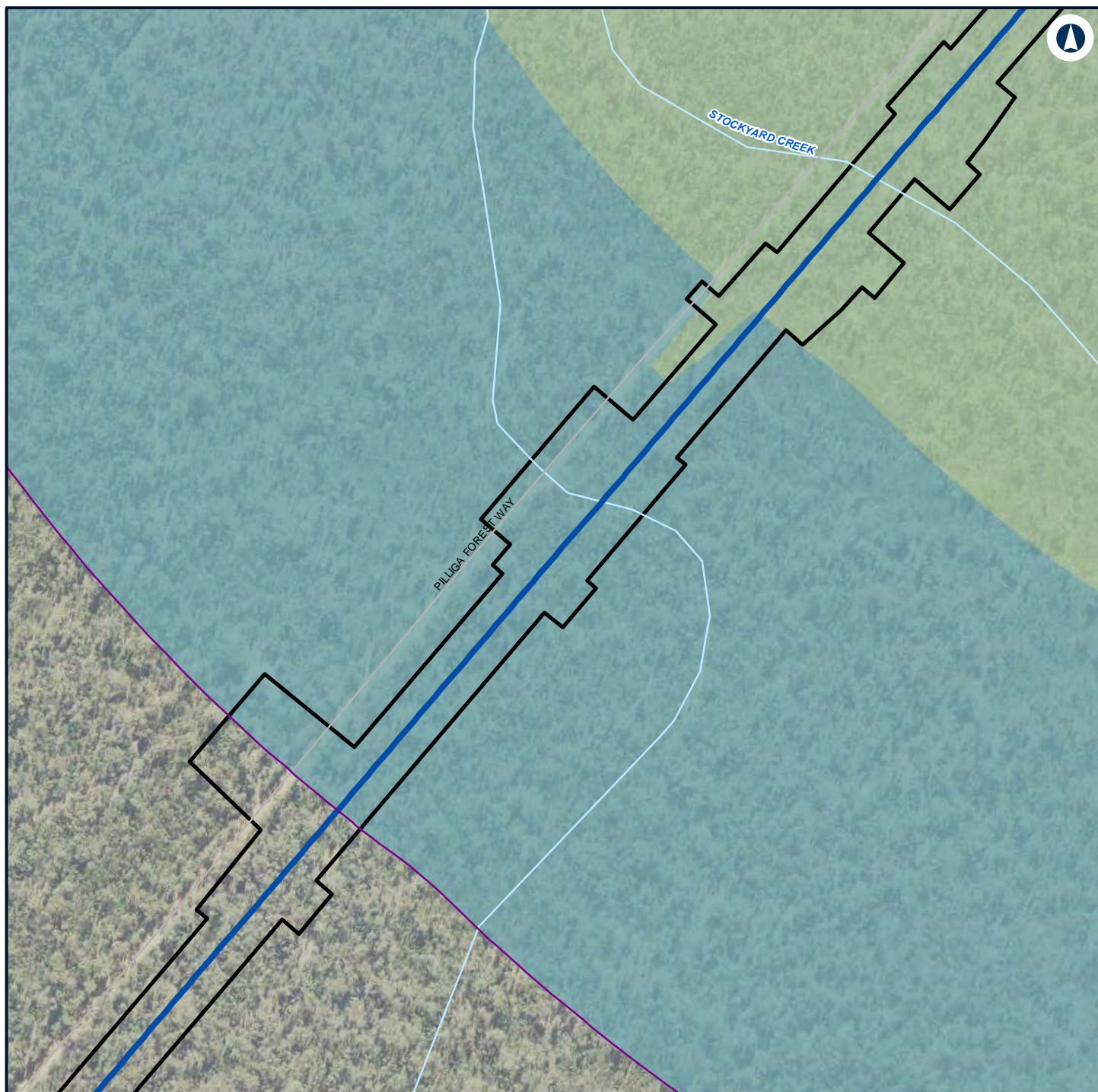
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 409 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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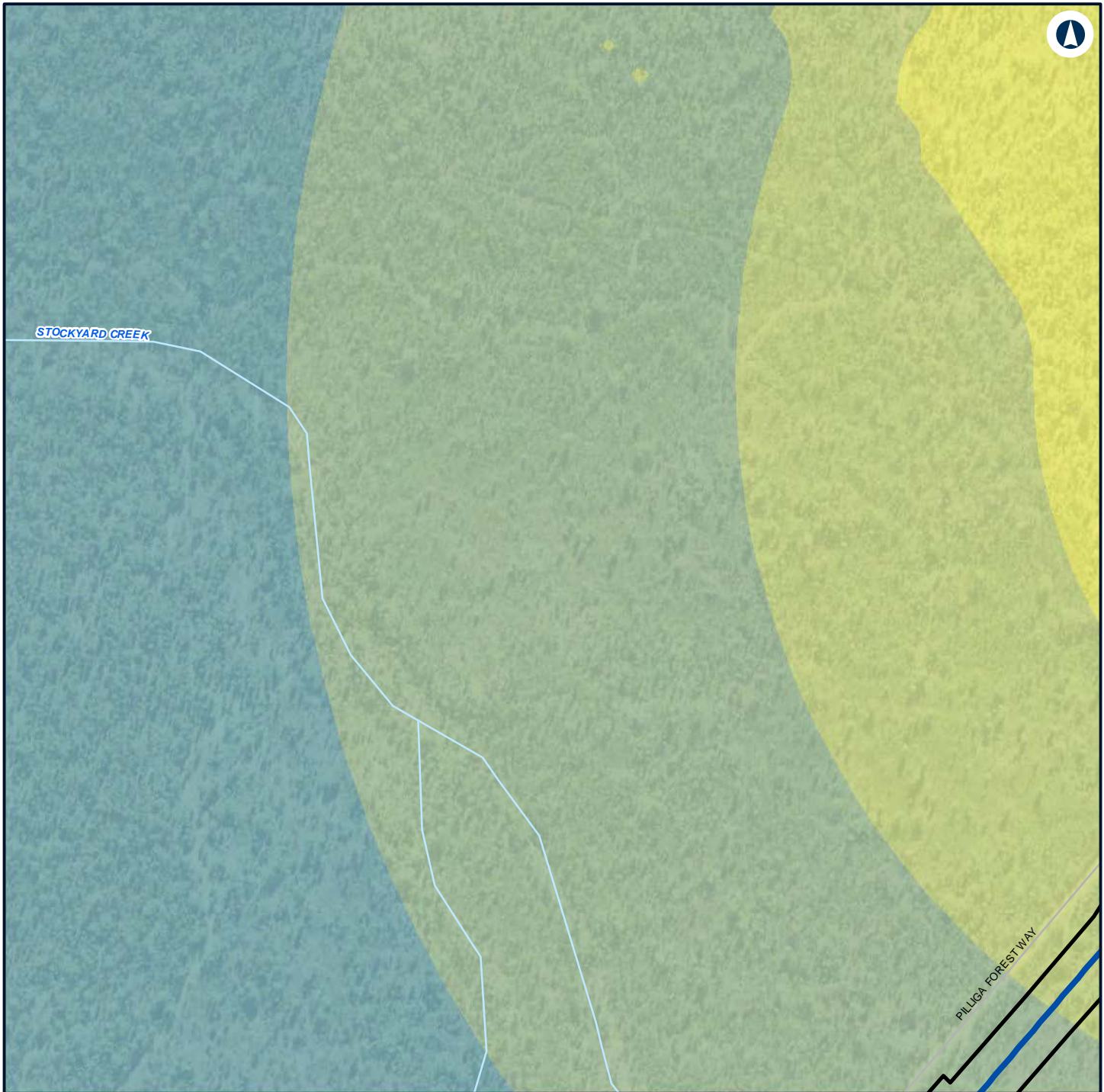
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 410 of 554

0 0.1 0.2
Km

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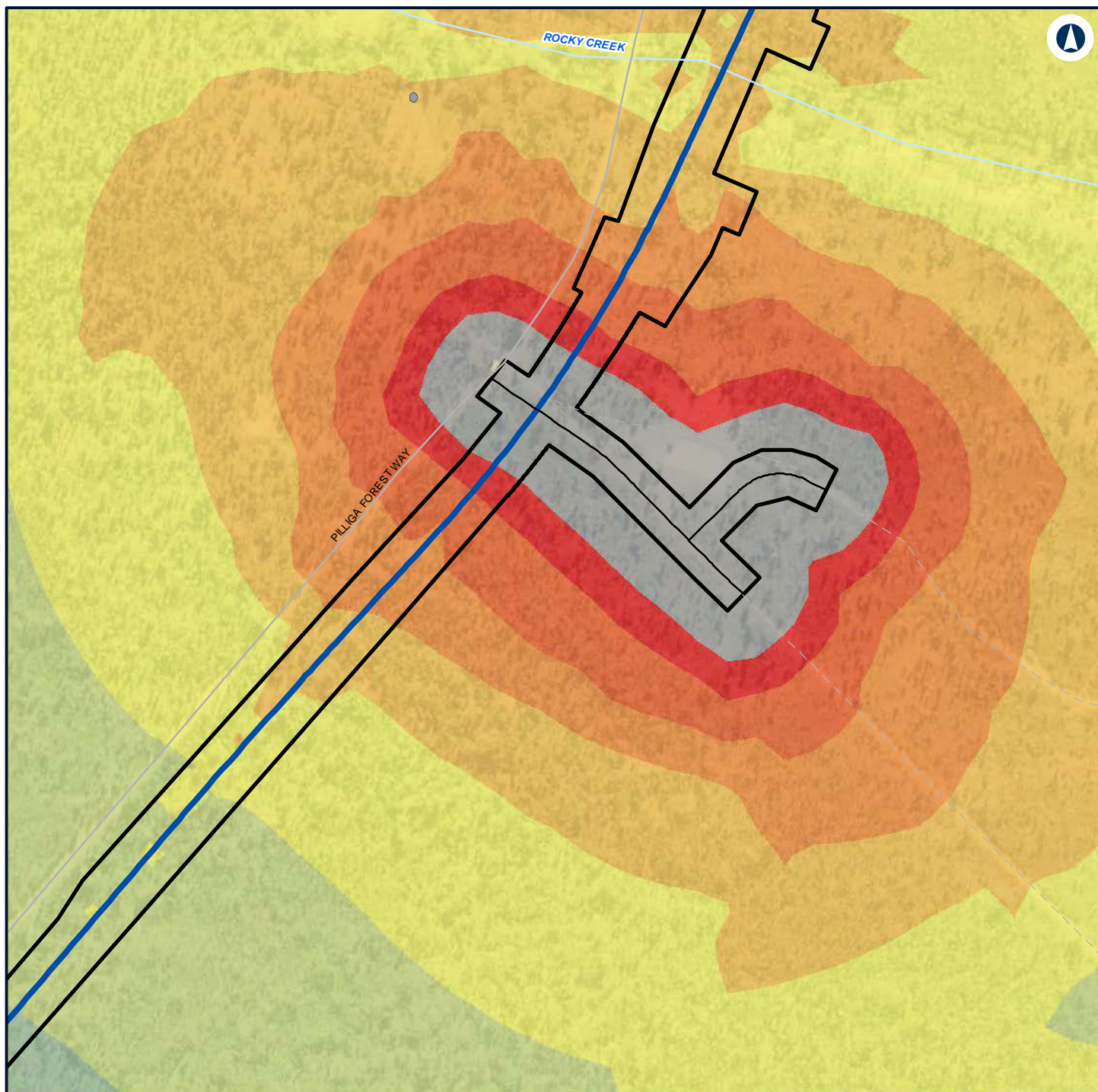
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LEGEND

	Alignment		45 - 50
	Road design string		50 - 55
	Construction footprint		55 - 60
	Other		60 - 65
Noise level (dBA L			65 - 70
Aeq 15 minute)			70 - 75
	40 - 45		> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 411 of 554

0 0.1 0.2
Km

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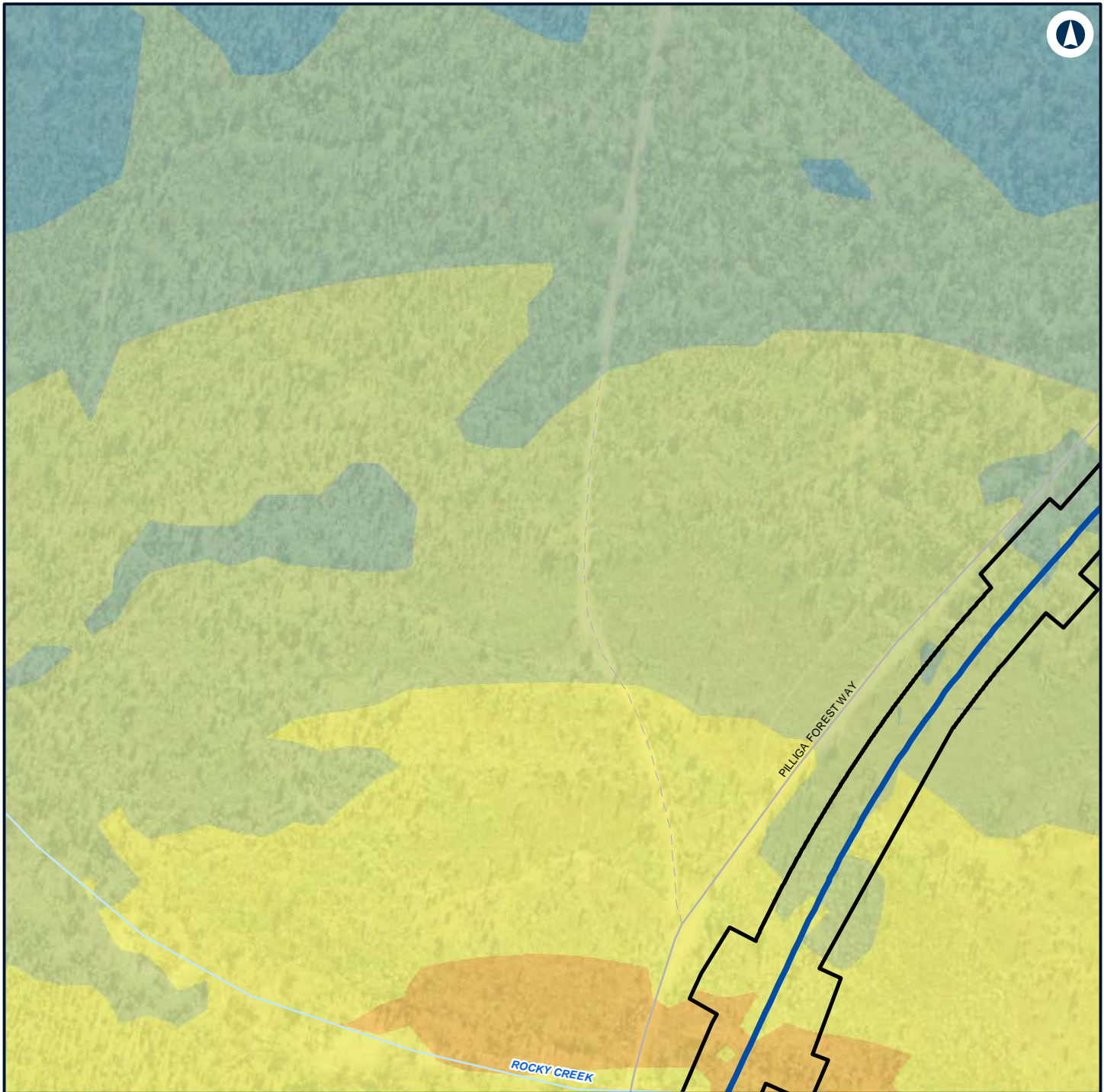
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 412 of 554

0 0.1 0.2
Km

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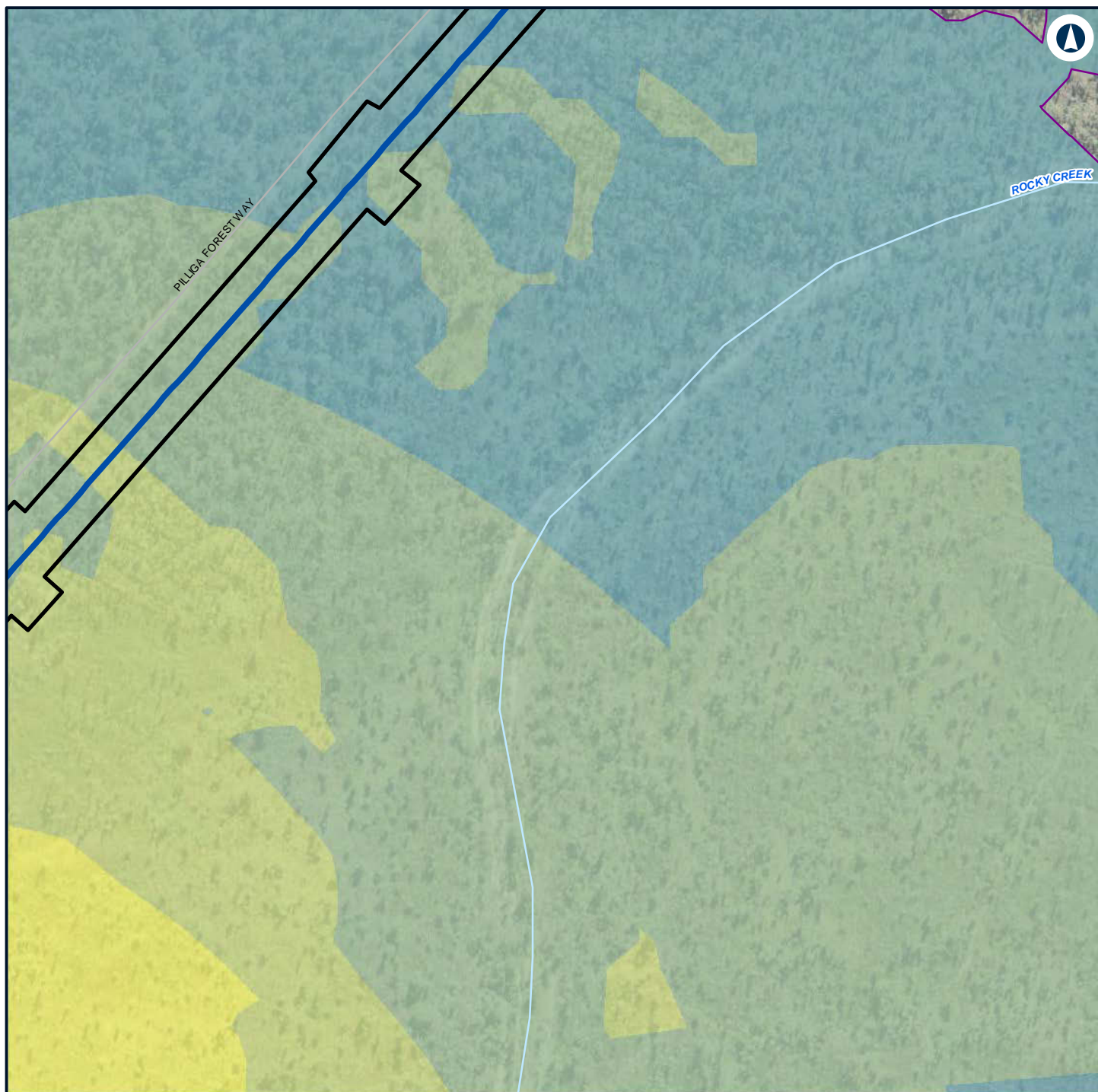
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50
- 50 - 55

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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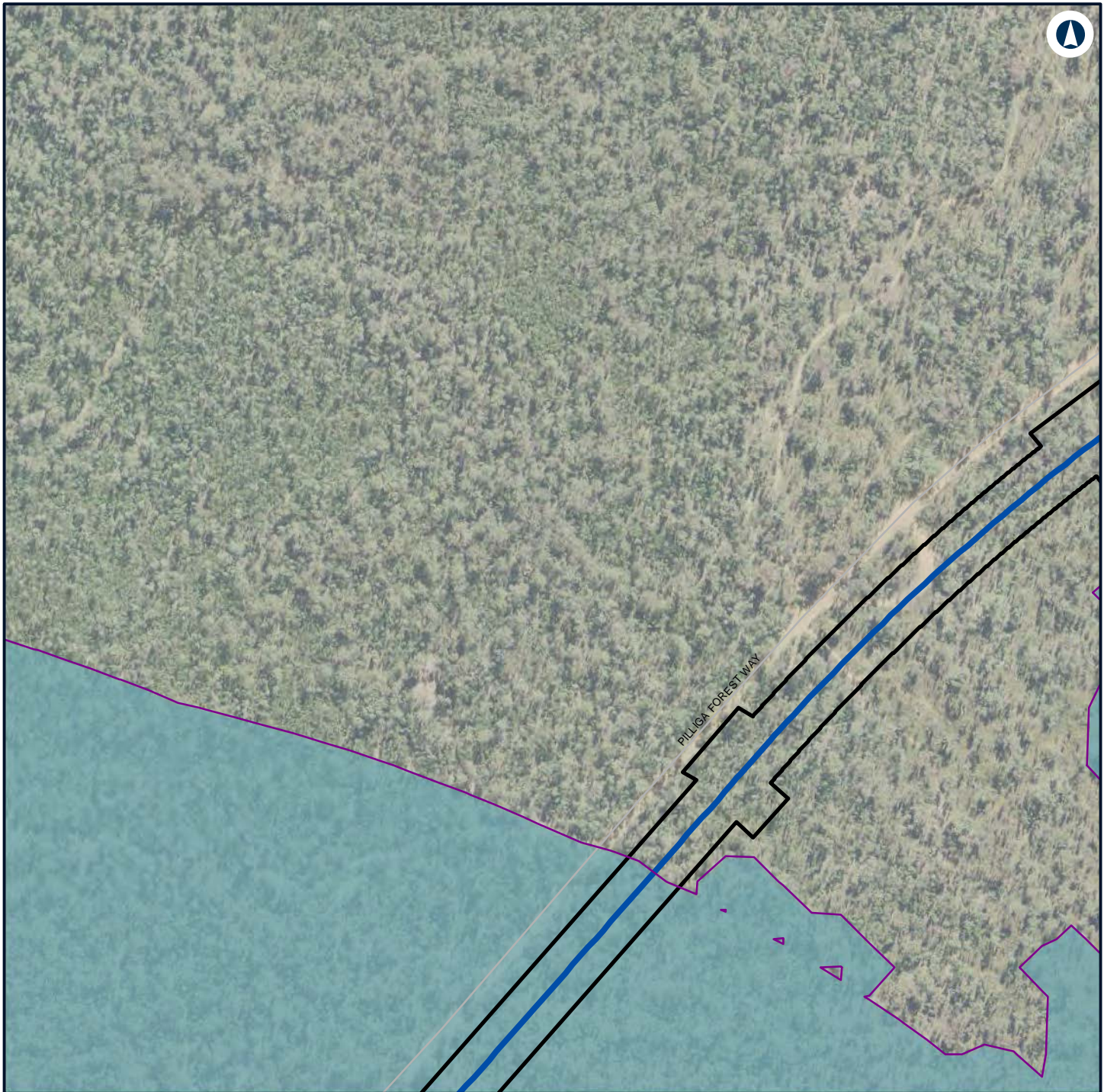
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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Paper: A4

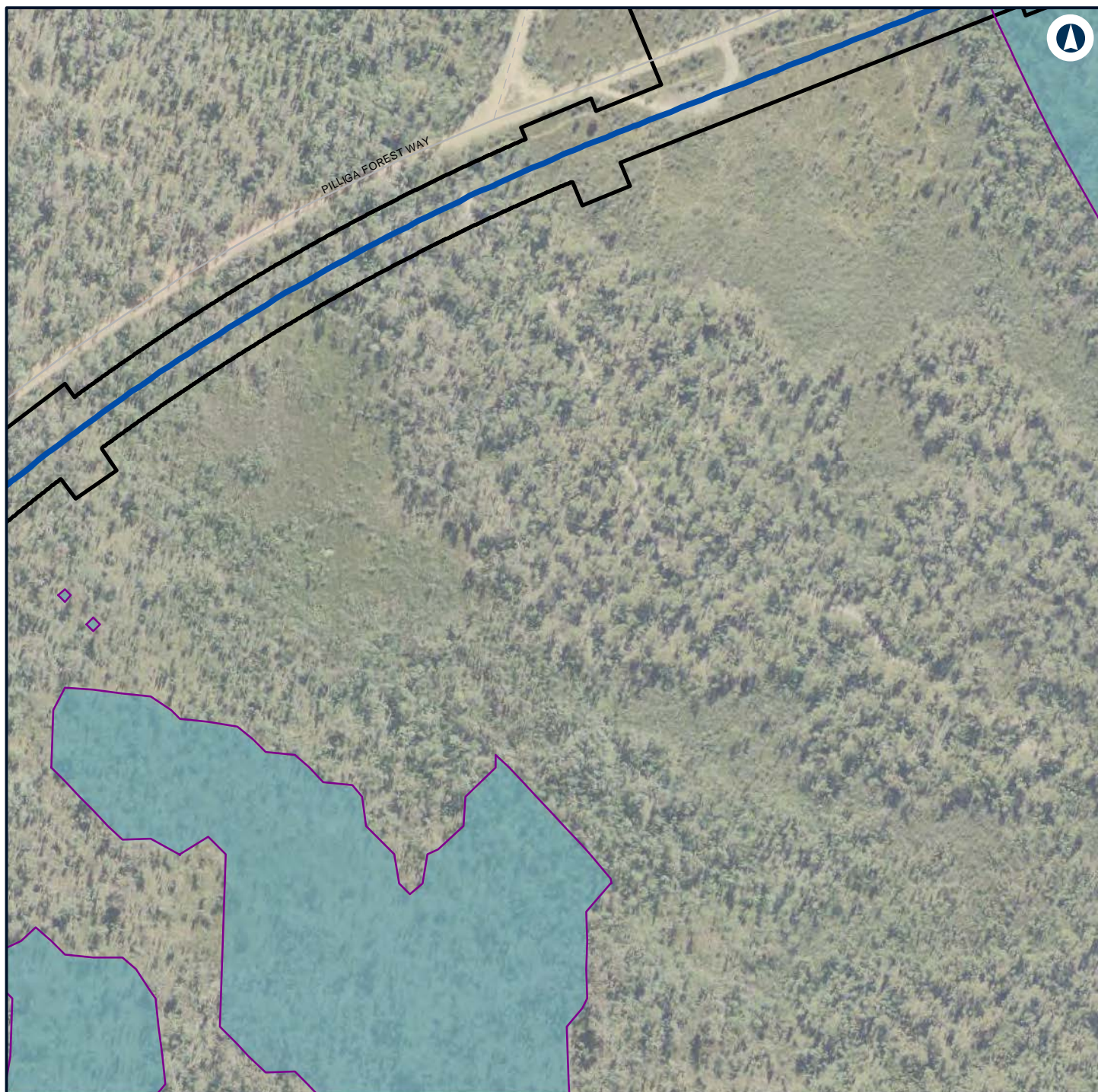
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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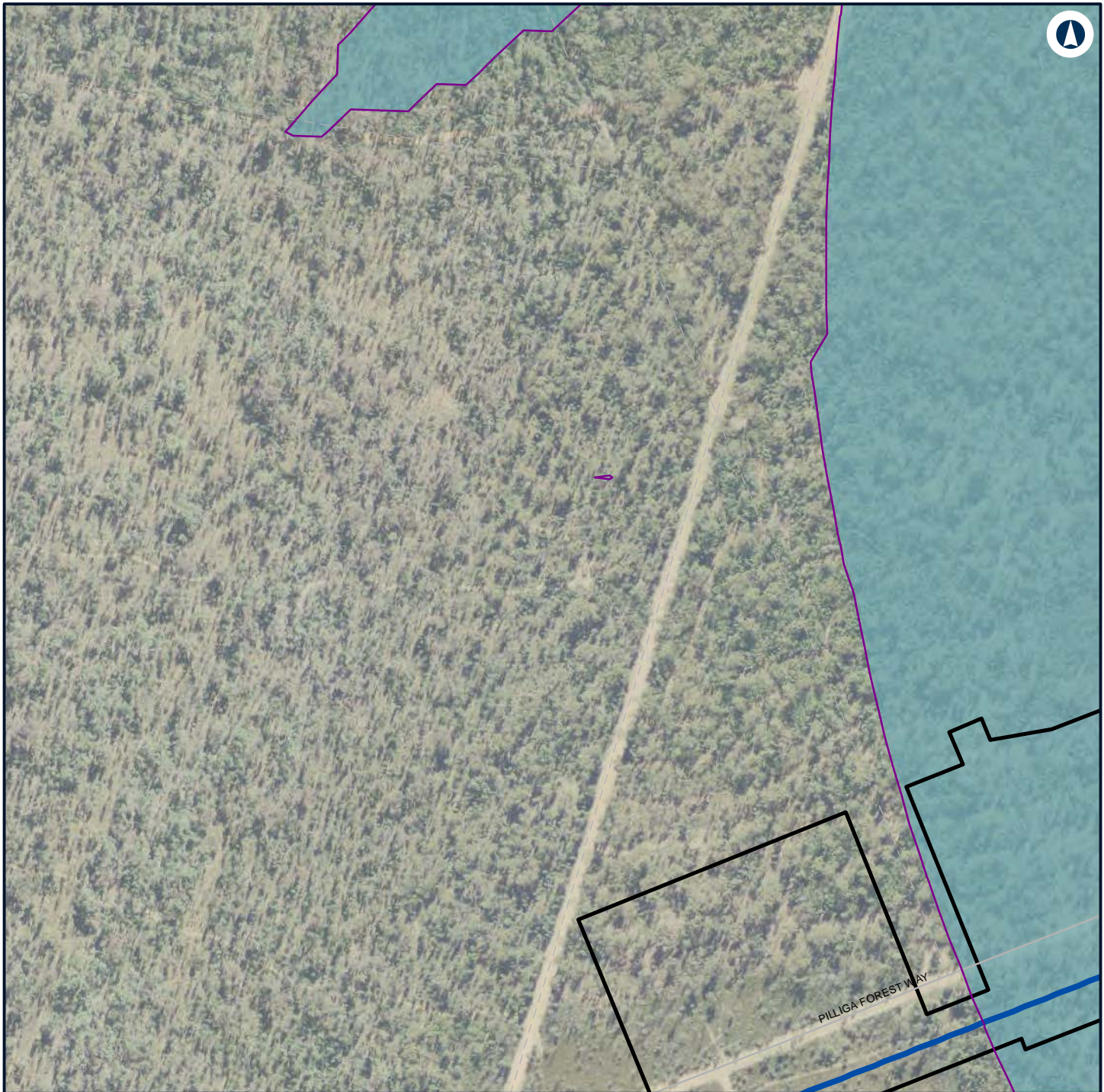
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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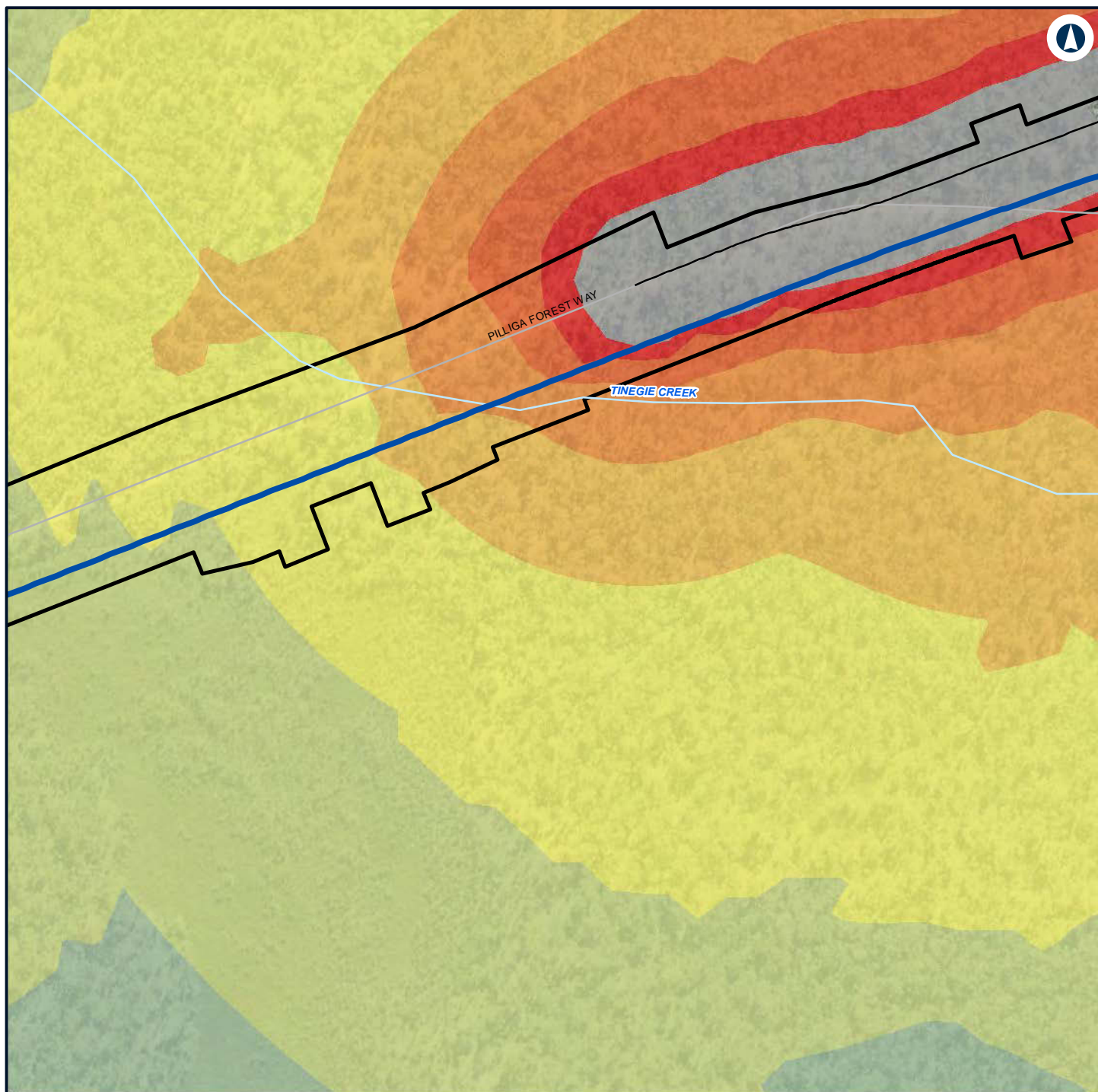
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
	65 - 70
	70 - 75
	> 75
Noise level (dBA L) Aeq 15 minute)	
40 - 45	
45 - 50	



NARRABINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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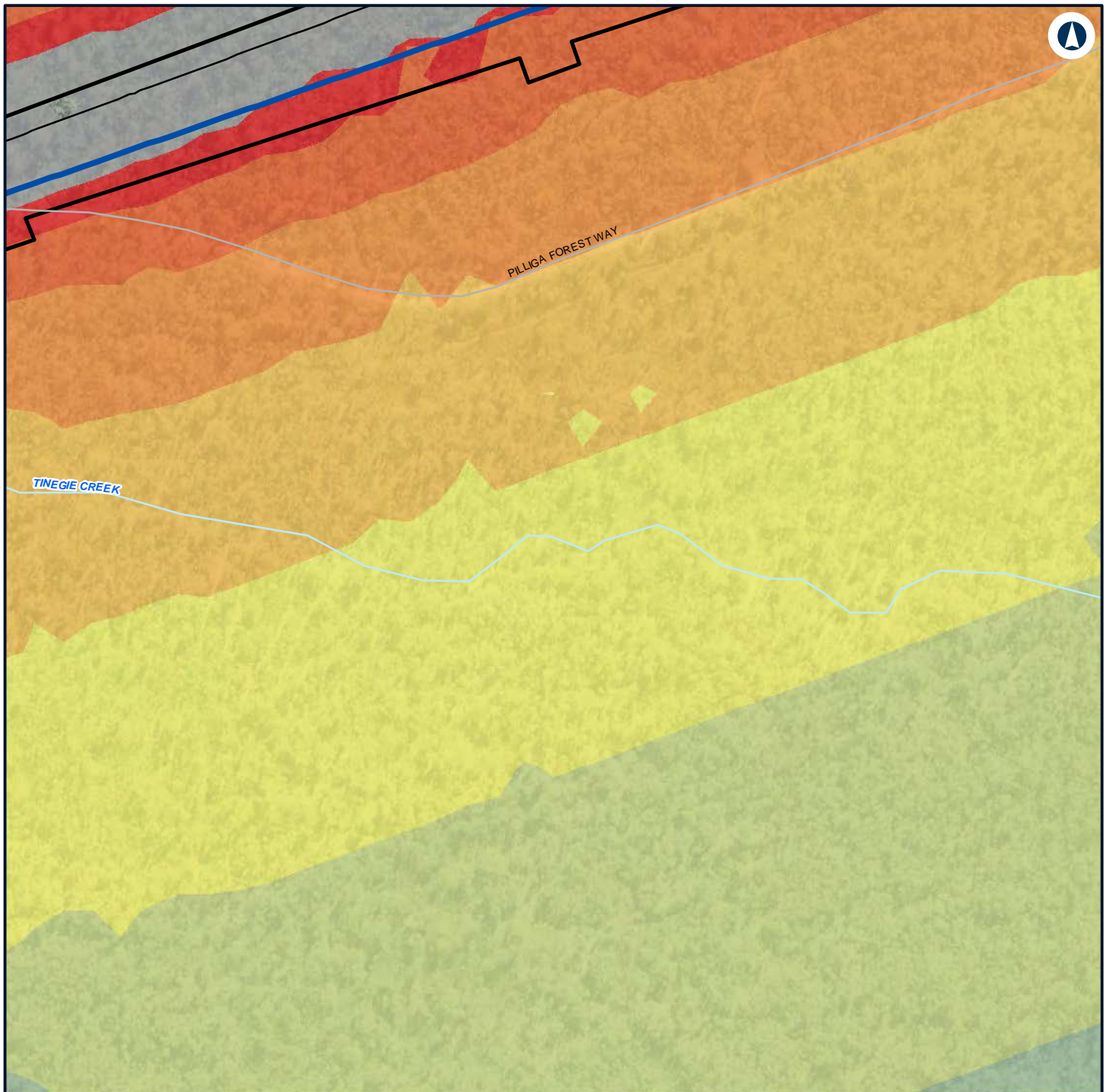
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
Noise level (dBA L	65 - 70
Aeq 15 minute)	70 - 75
40 - 45	> 75
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

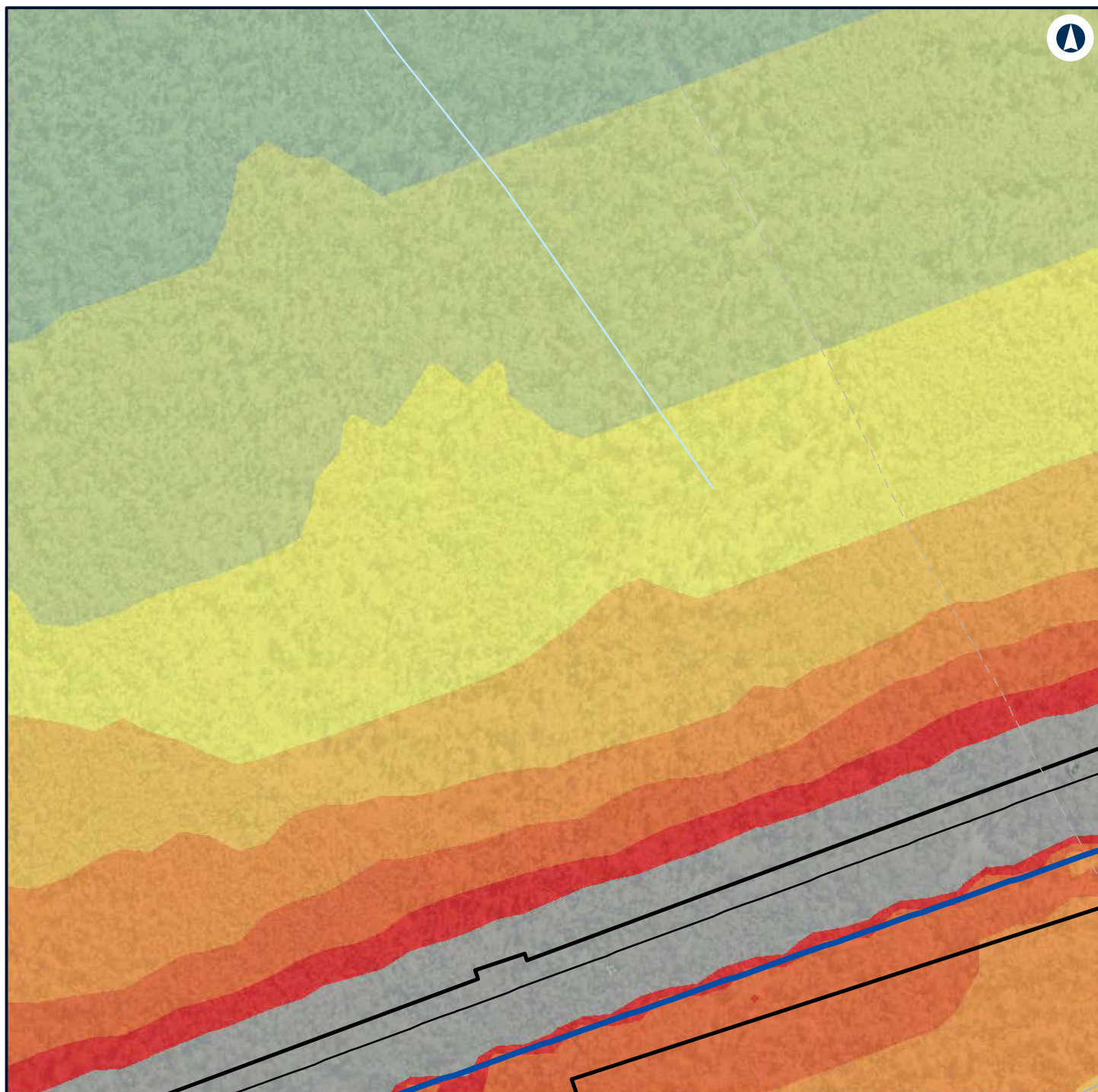
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

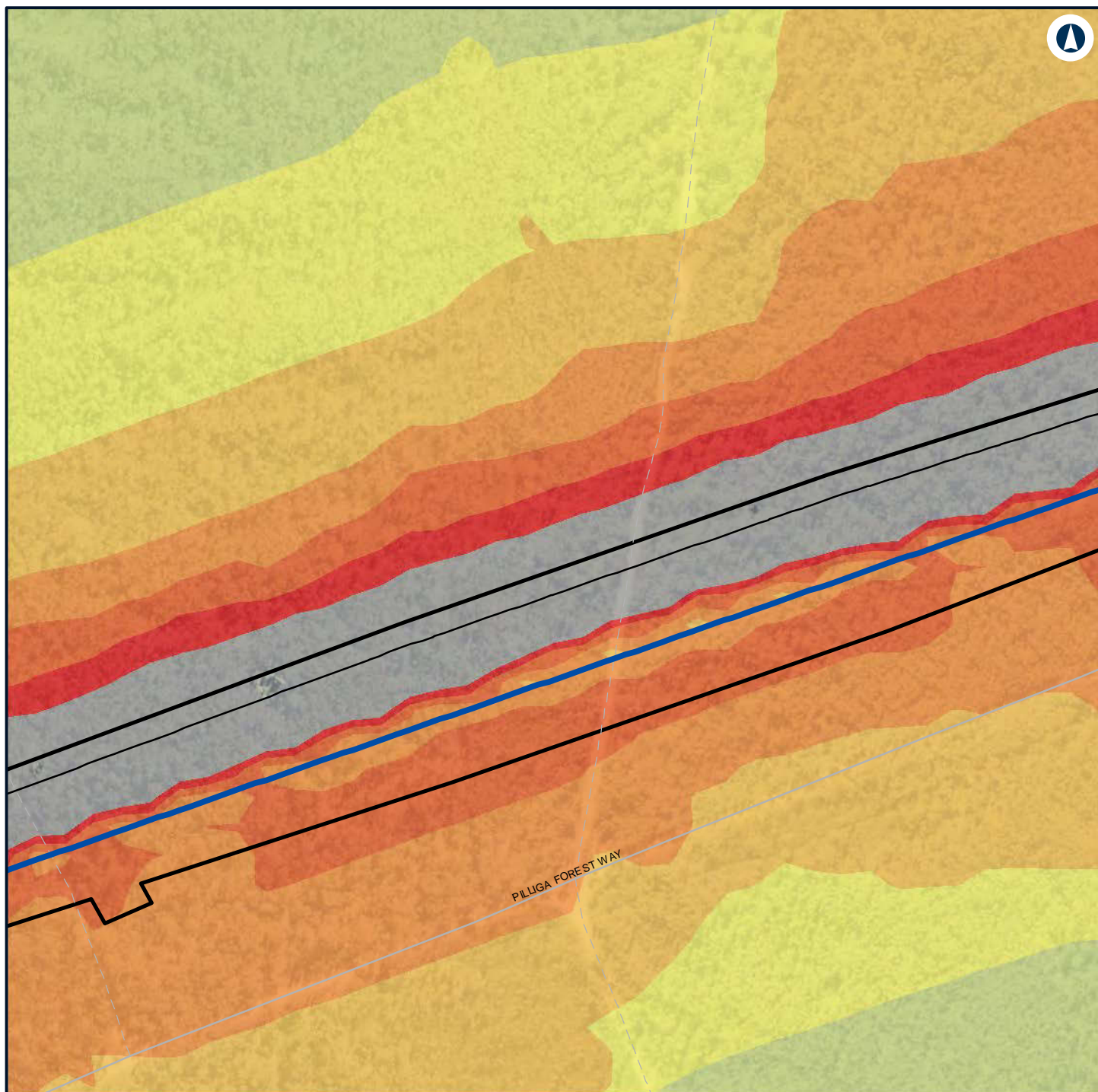
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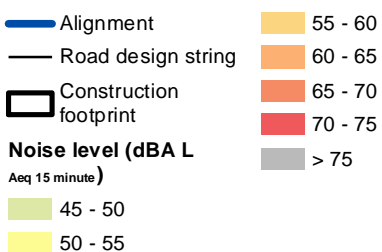
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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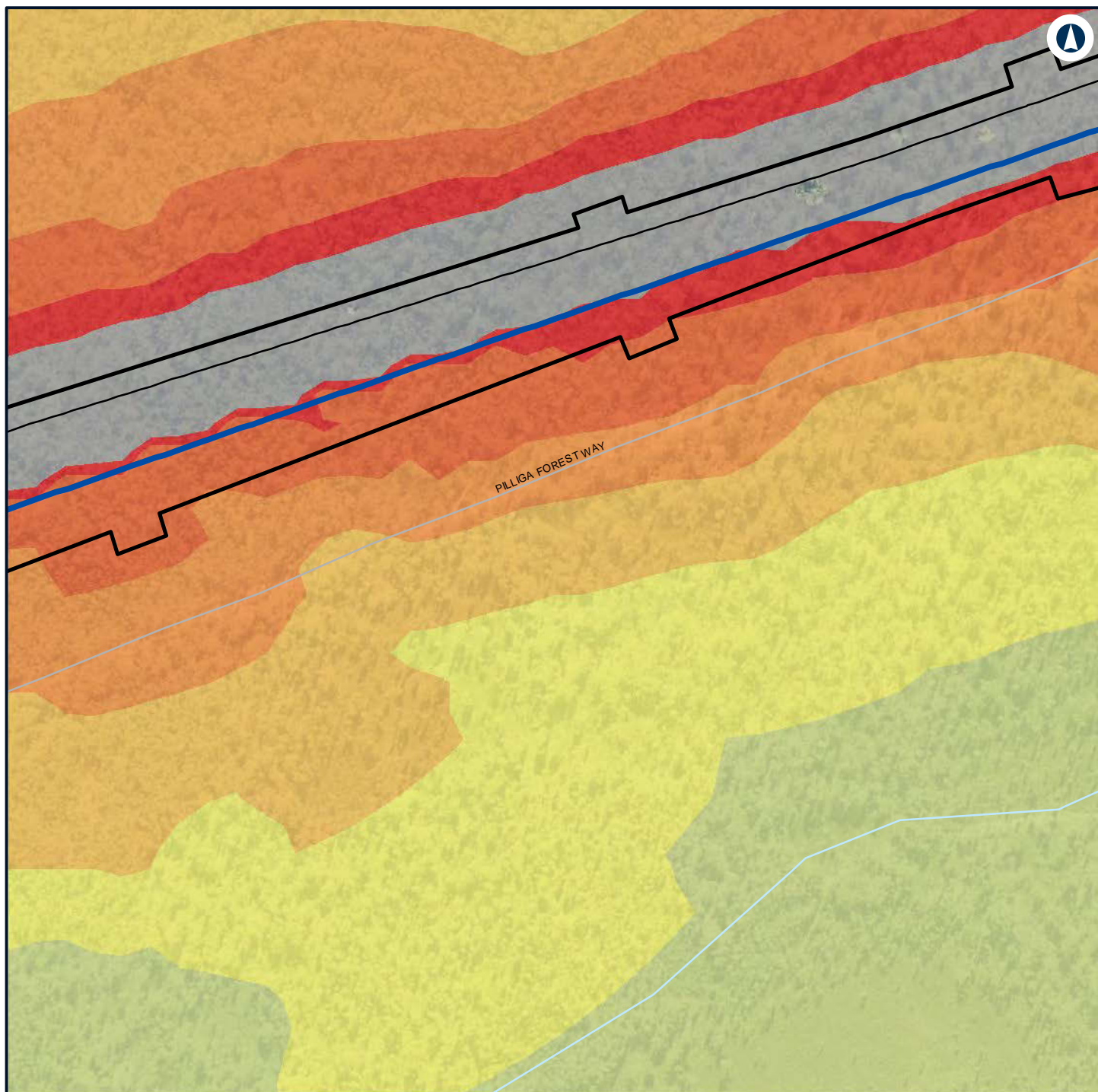
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LEGEND

- Alignment
- Road design string
- Construction footprint
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75

Noise level (dBA L

Aeq 15 minute)

- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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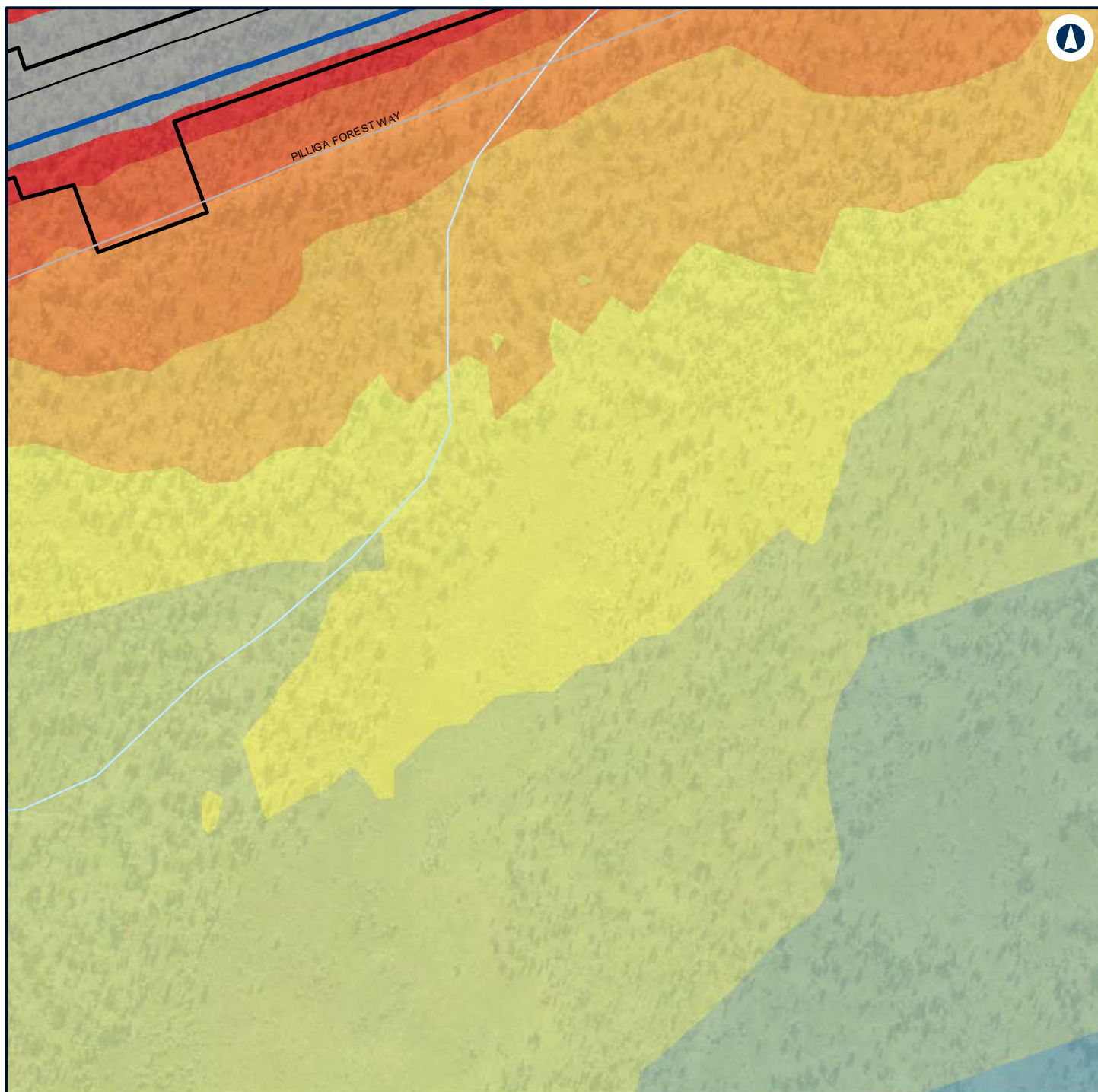
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	45 - 50
Road design string	50 - 55
Construction footprint	55 - 60
Noise level (dBA L	60 - 65
Aeq 15 minute)	65 - 70
35 - 40	70 - 75
40 - 45	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

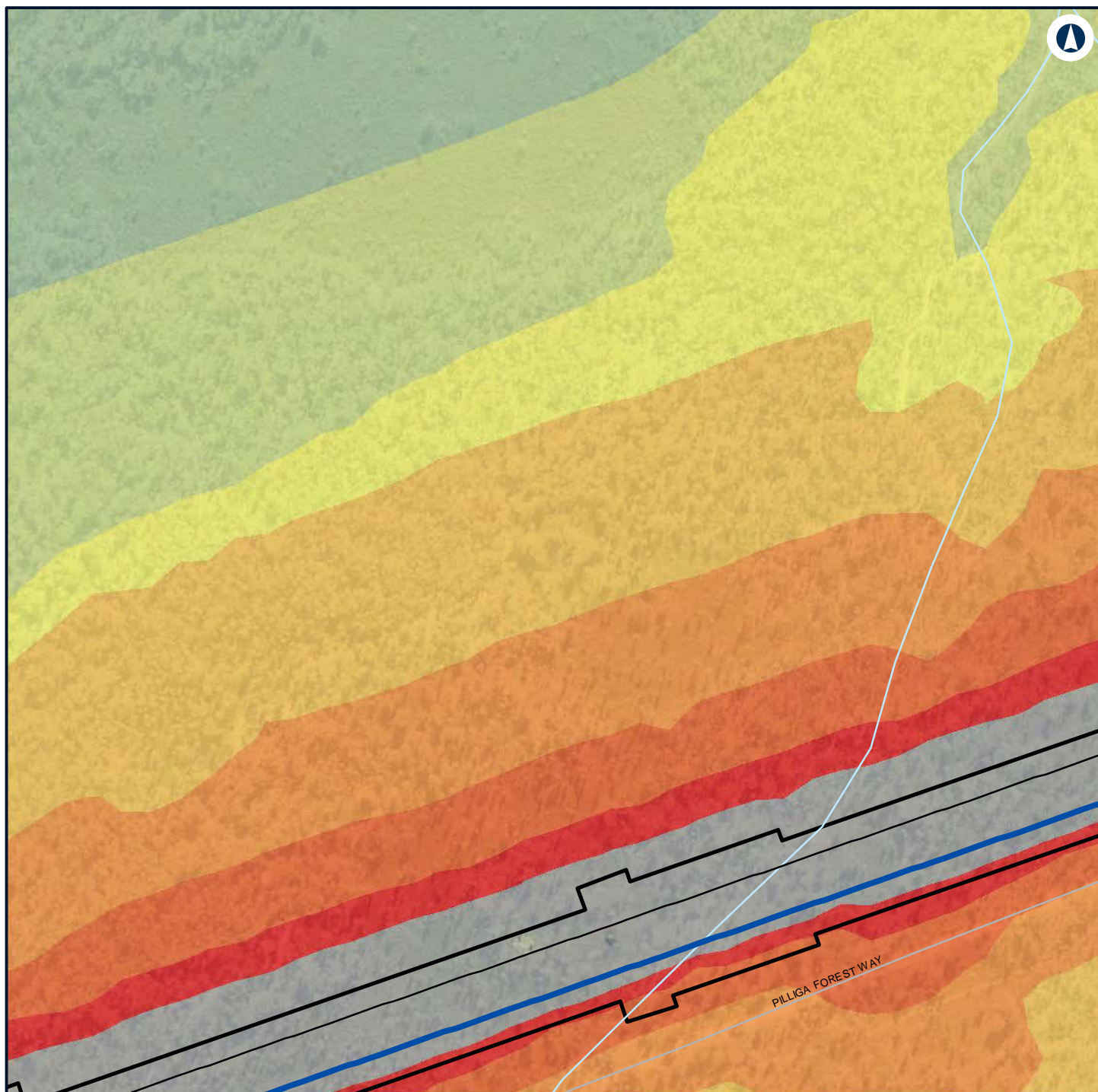
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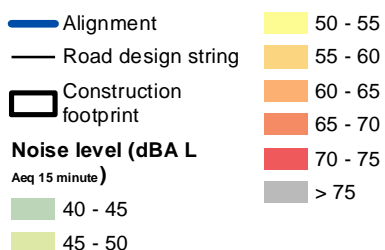
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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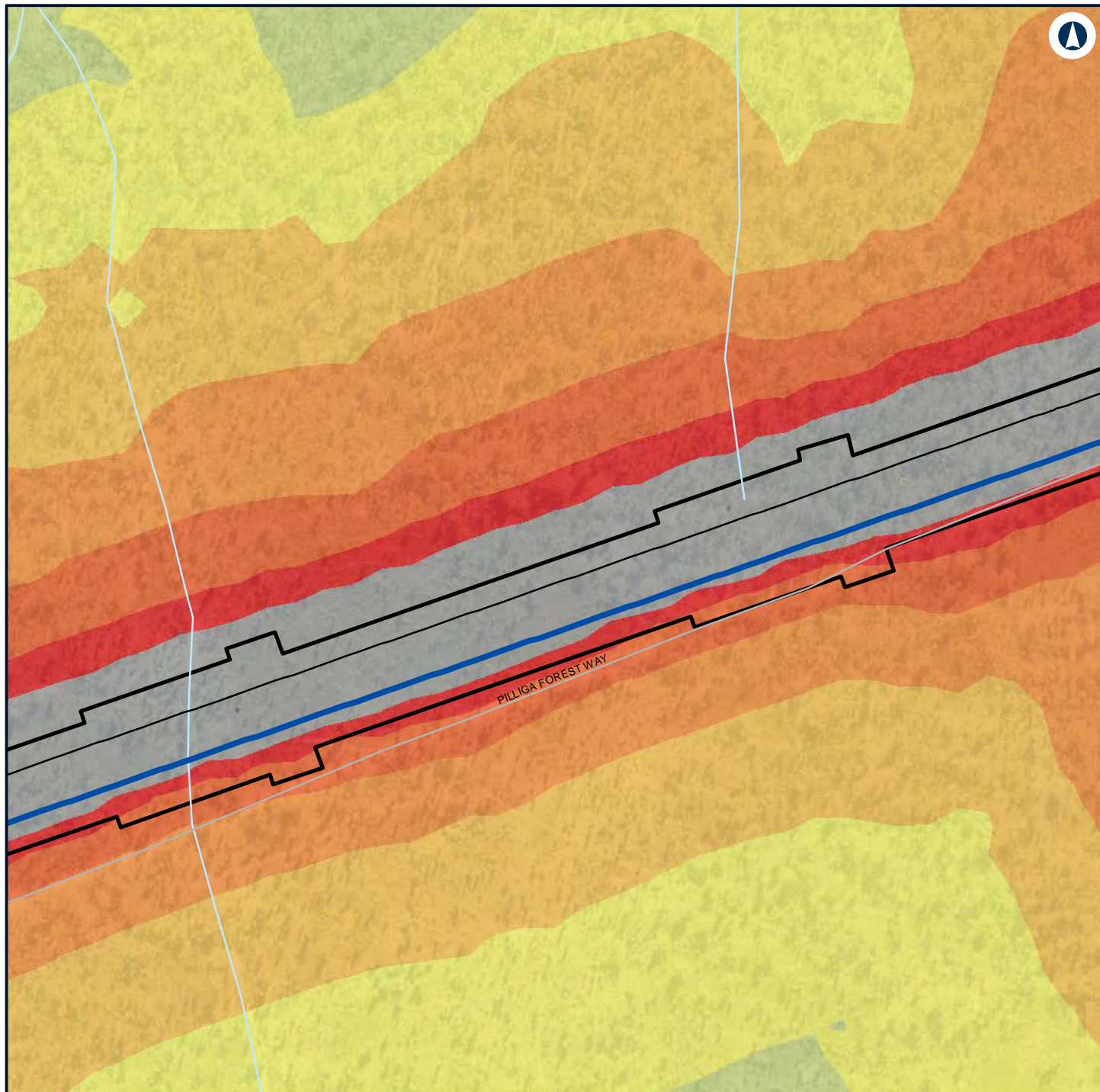
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LEGEND

- Alignment
- Road design string
- Construction footprint
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75

Noise level (dBA L
Aeq 15 minute)



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

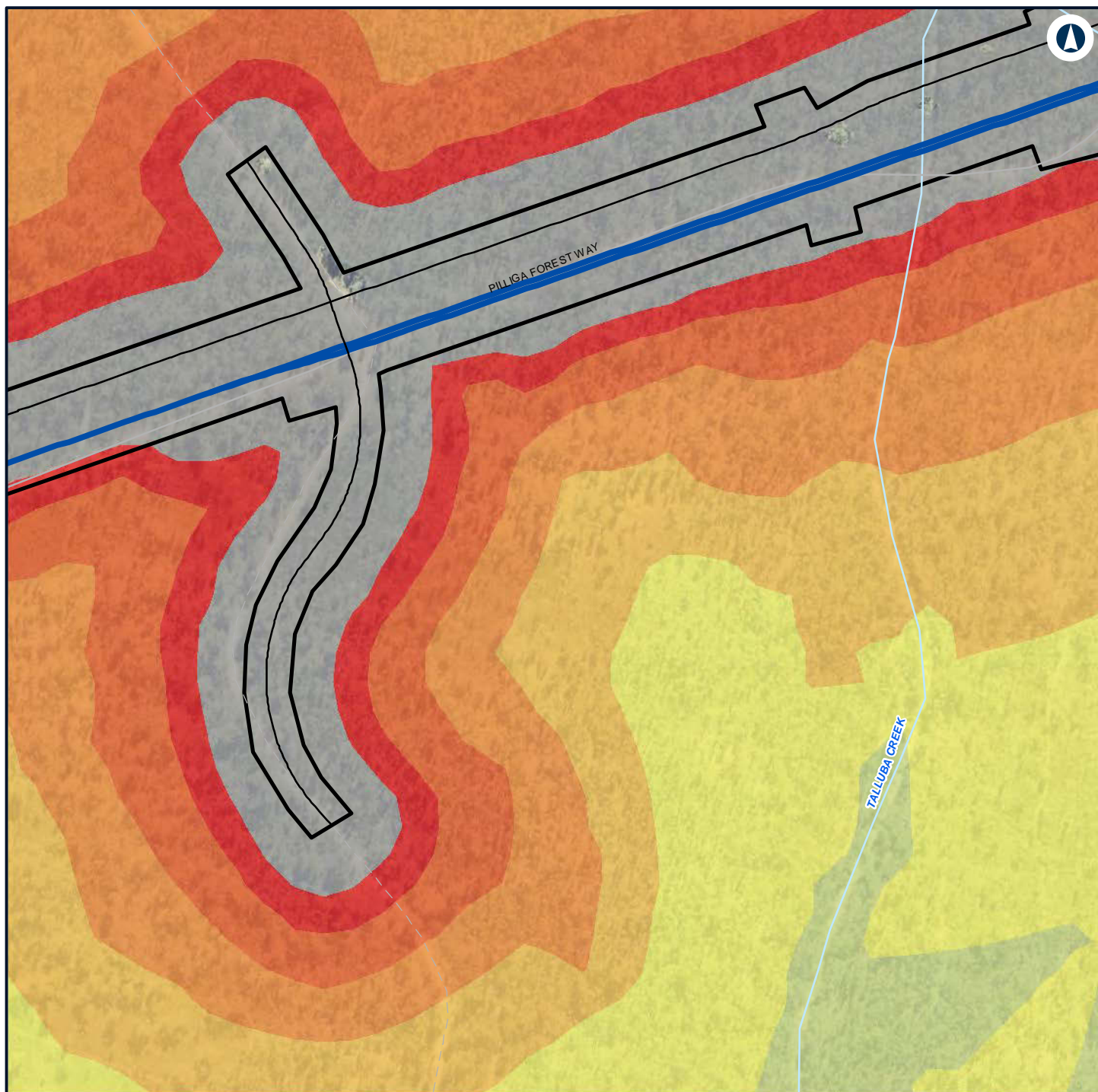
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2 Km

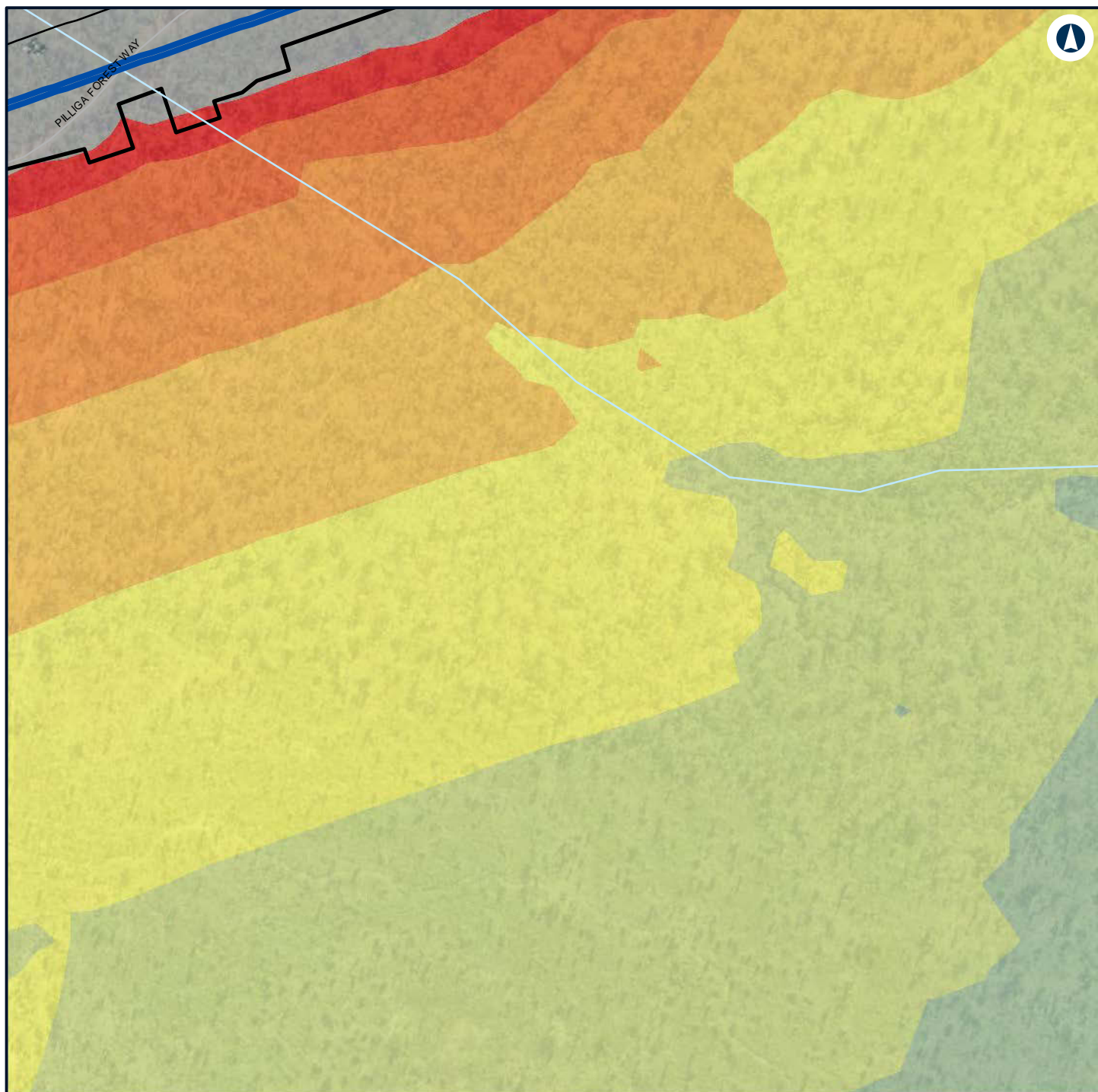
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

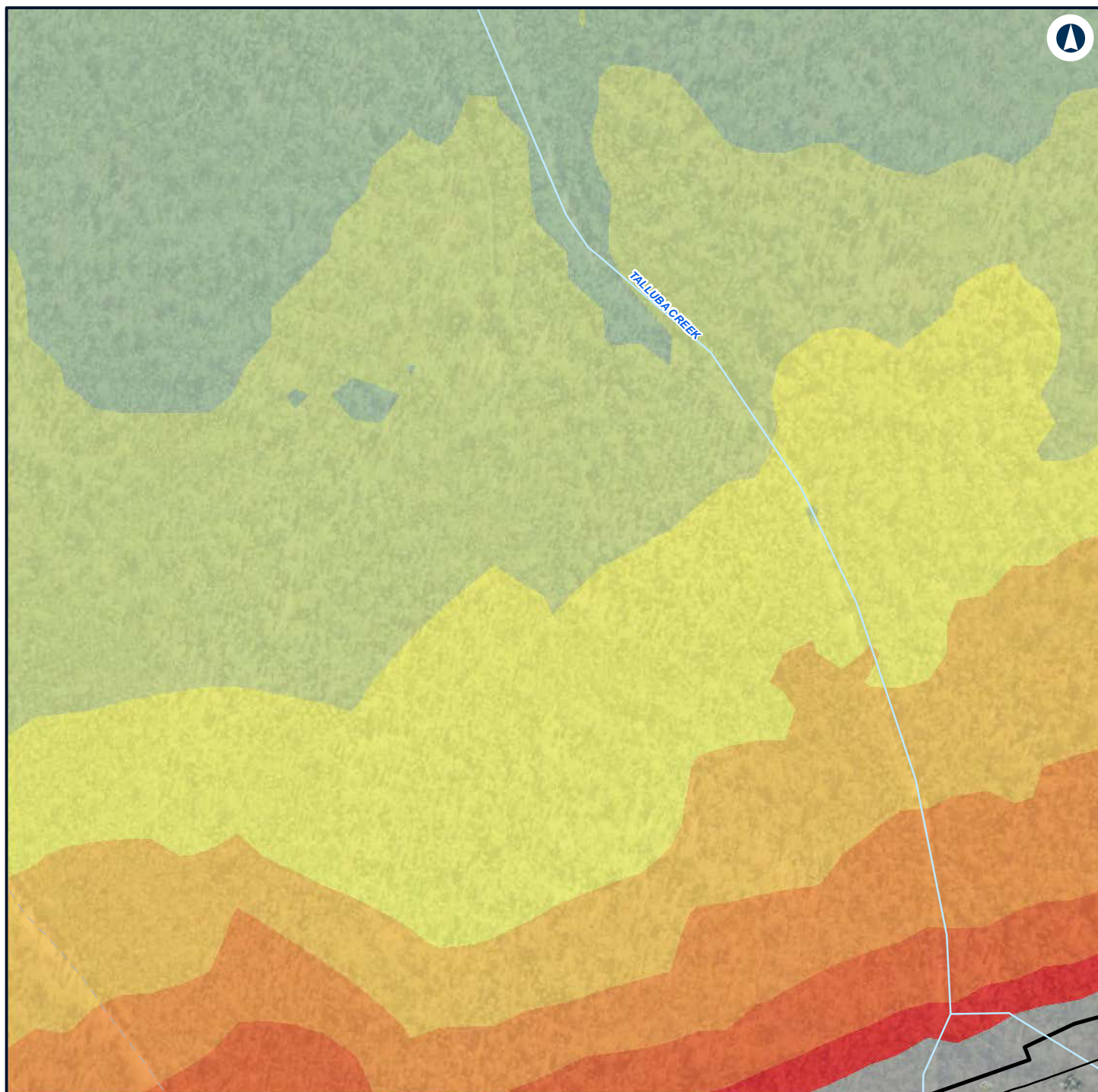
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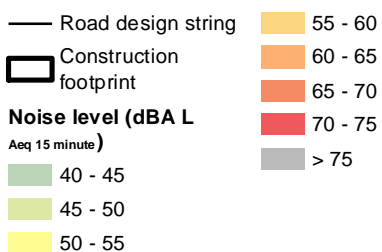
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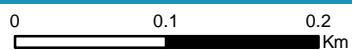
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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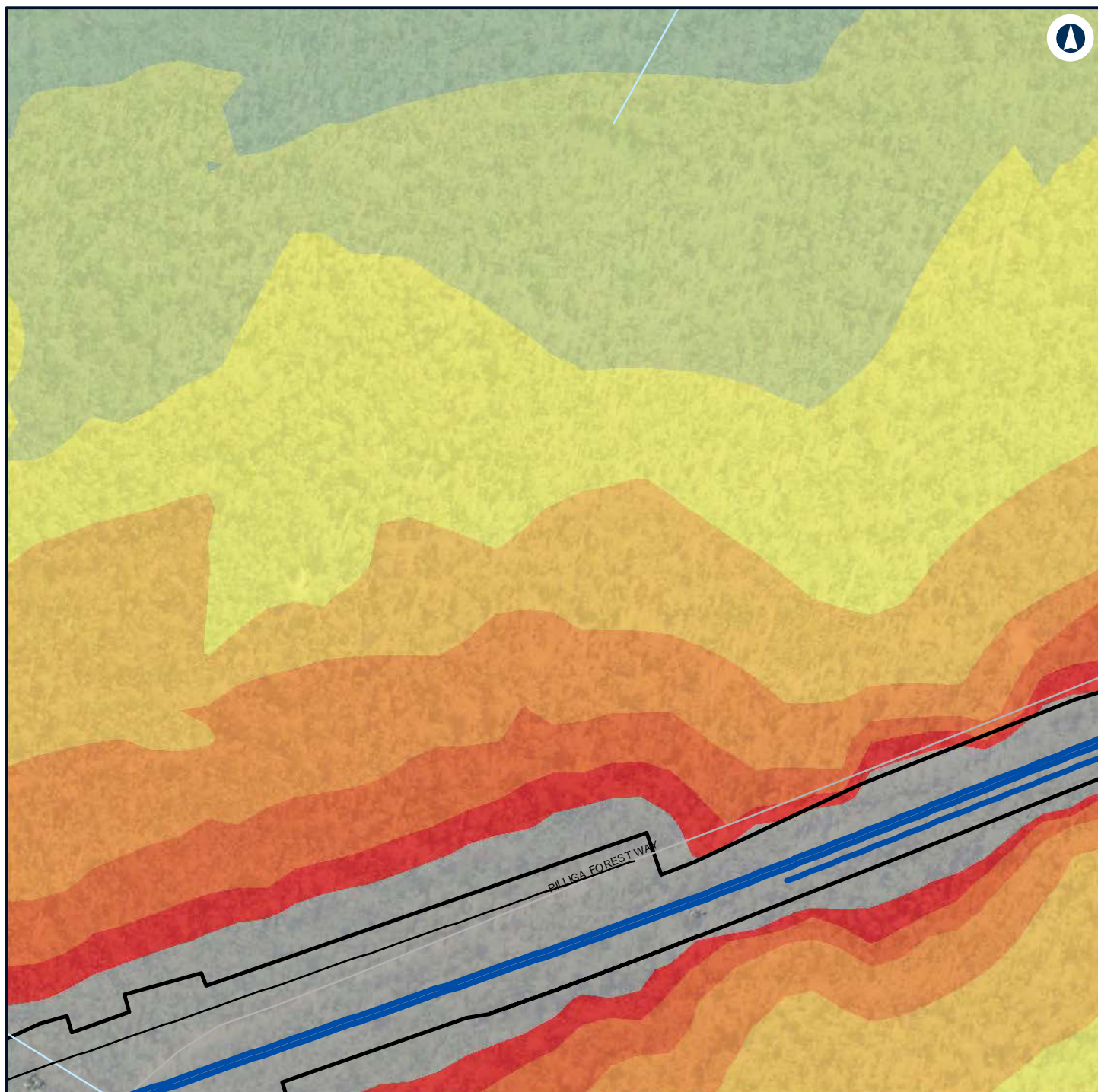
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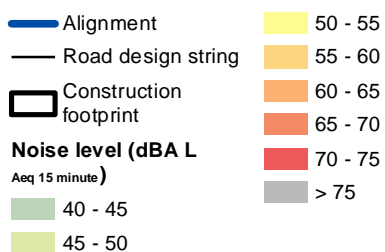
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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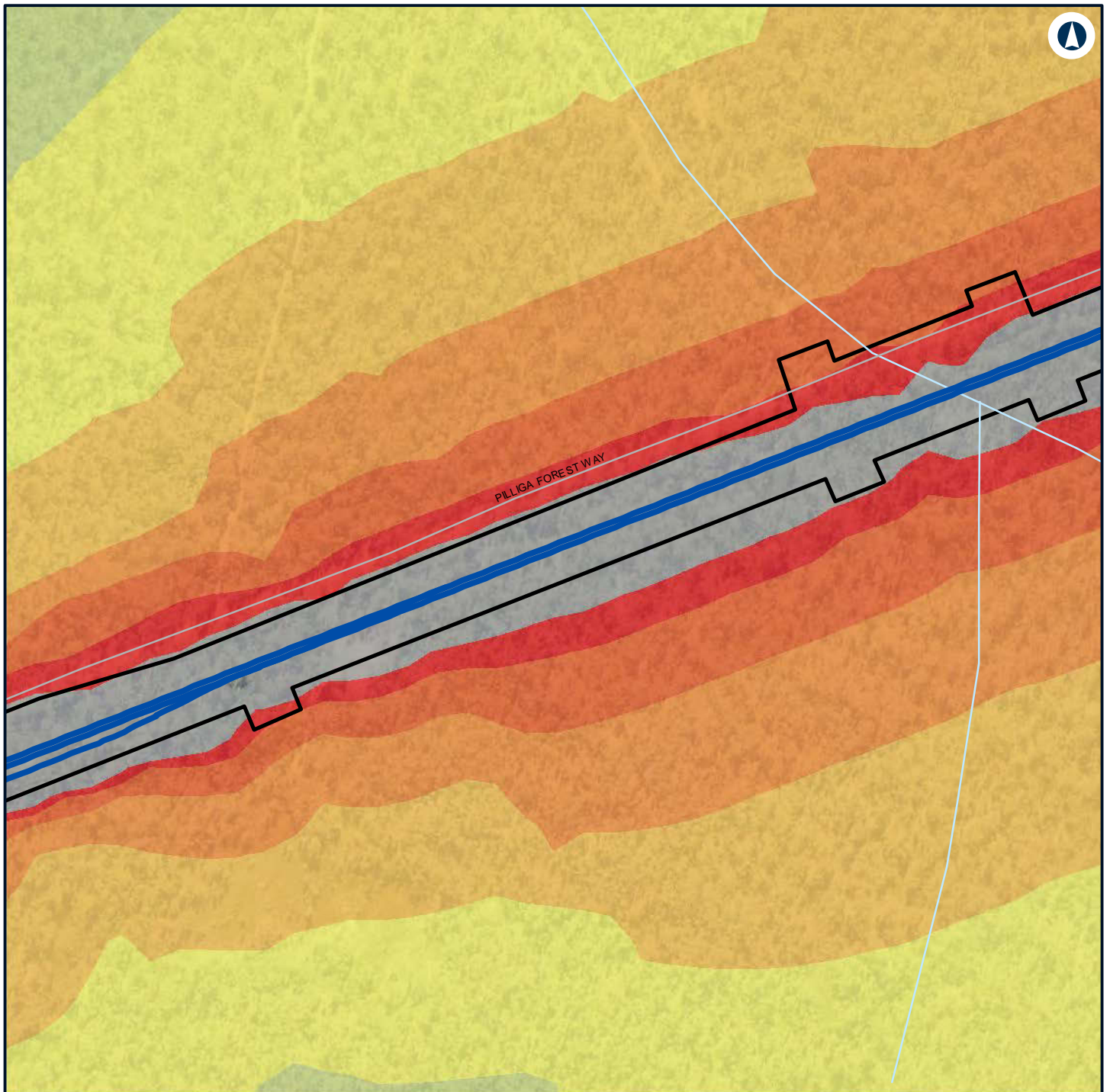
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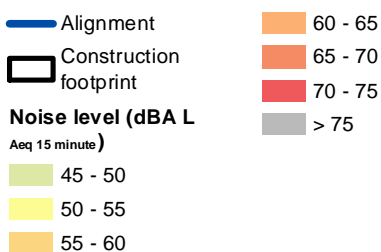
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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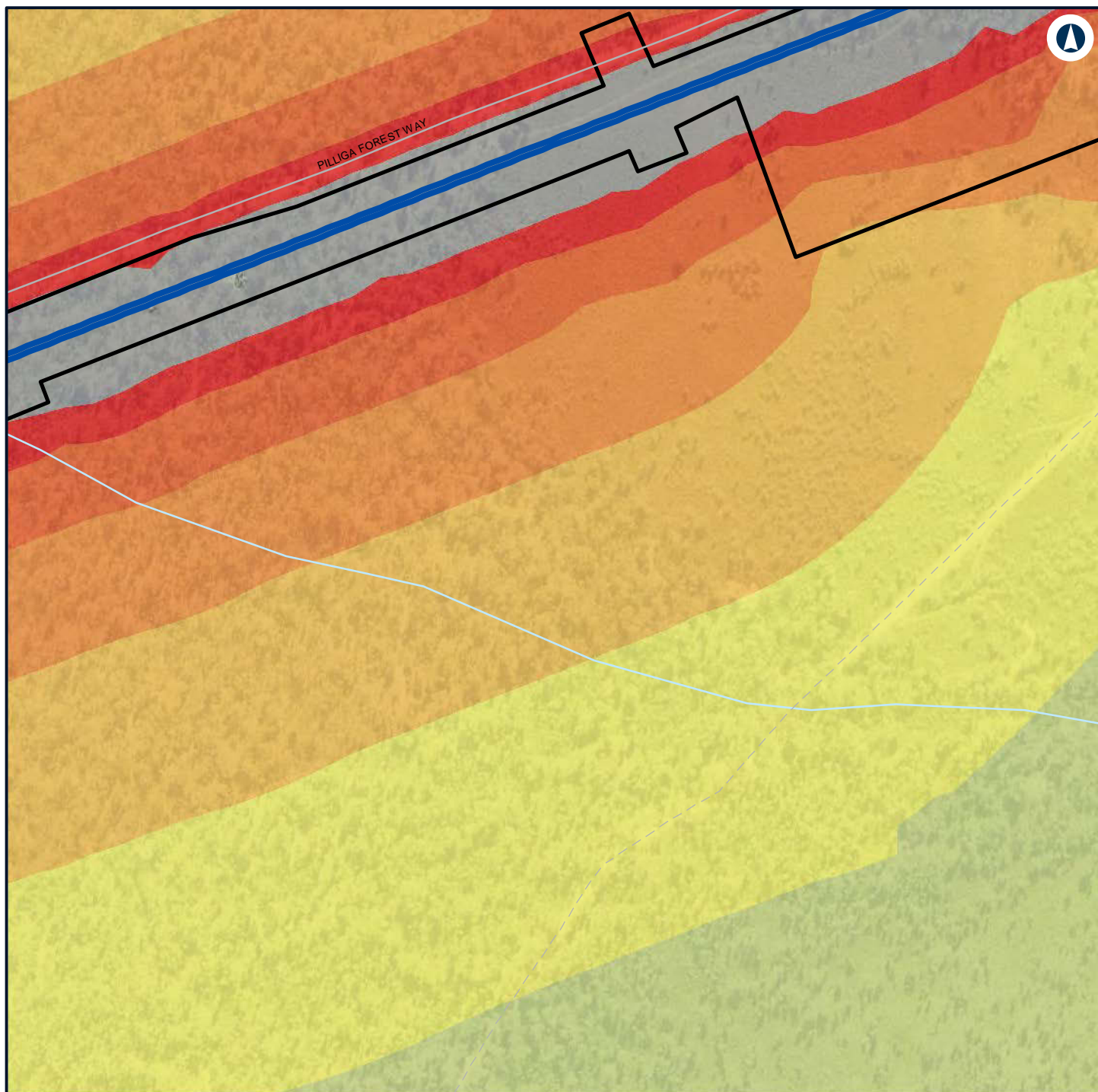
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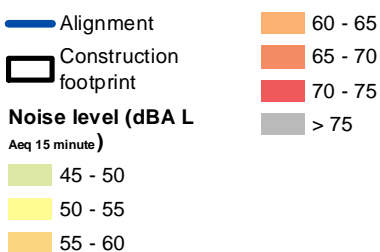
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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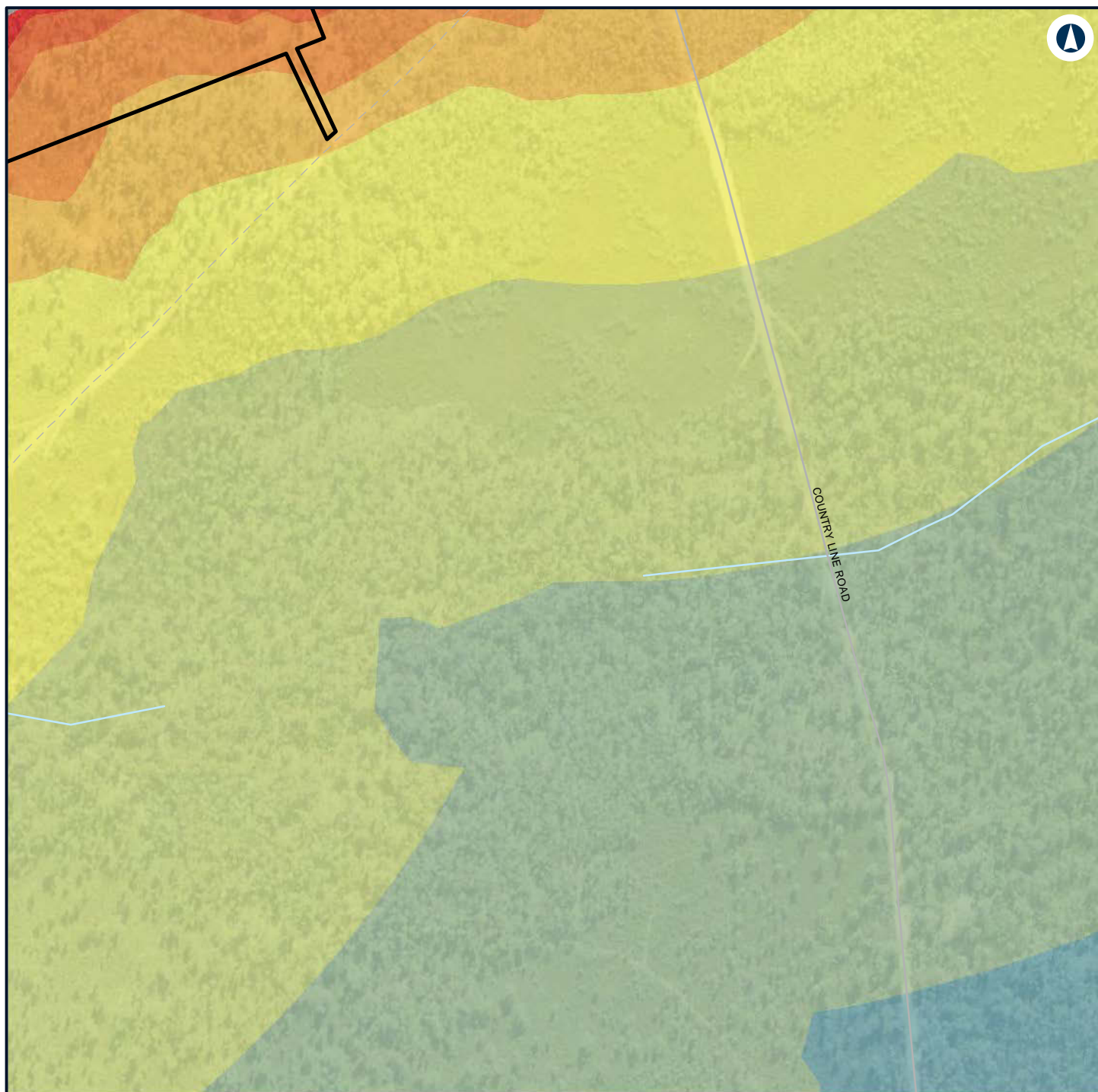
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LEGEND

Construction footprint

**Noise level (dBA L
Aeq 15 minute)**

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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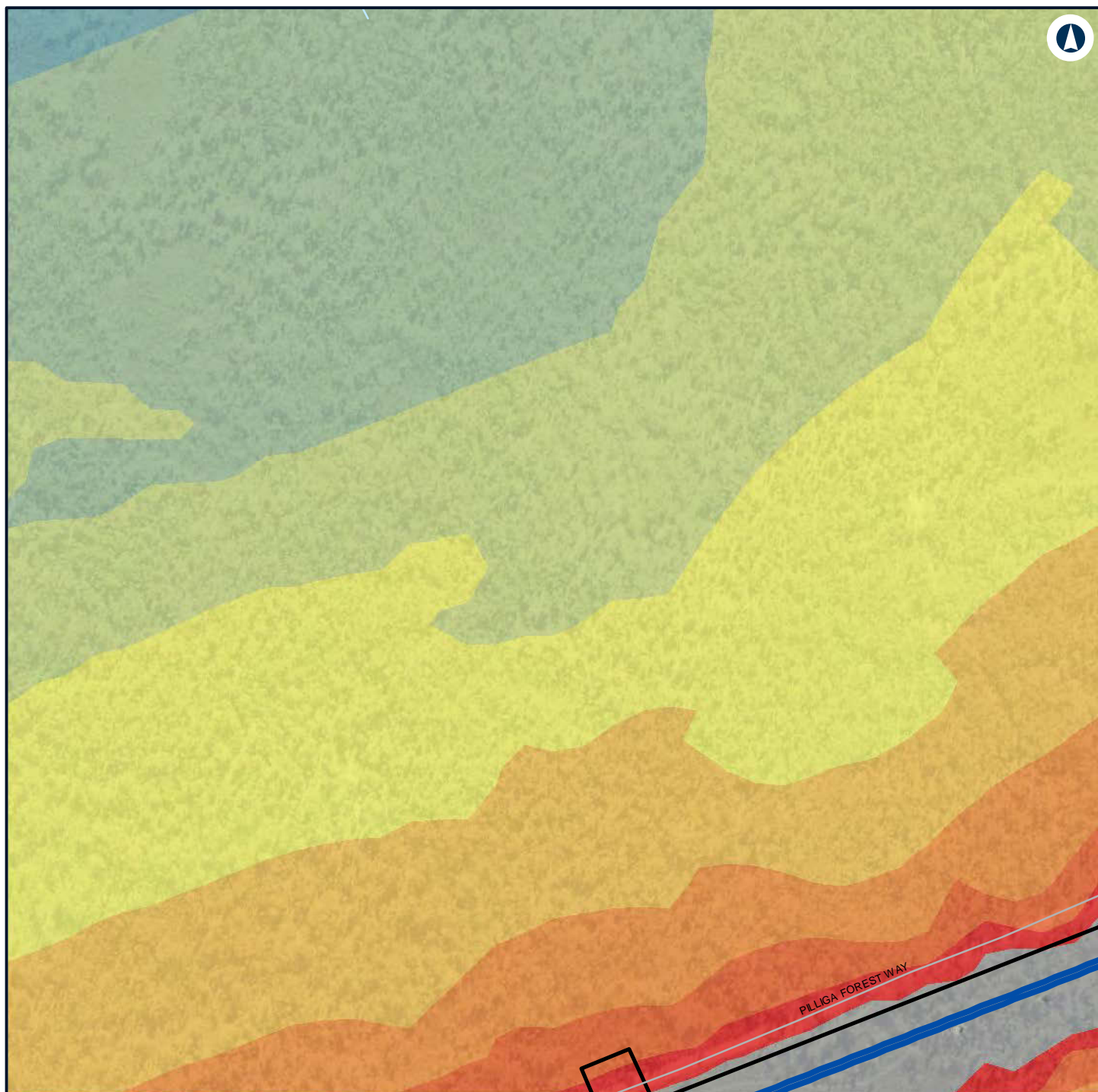
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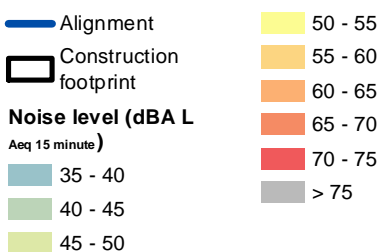
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Construction noise contours, Scenario ROAD03 - Road Earthworks

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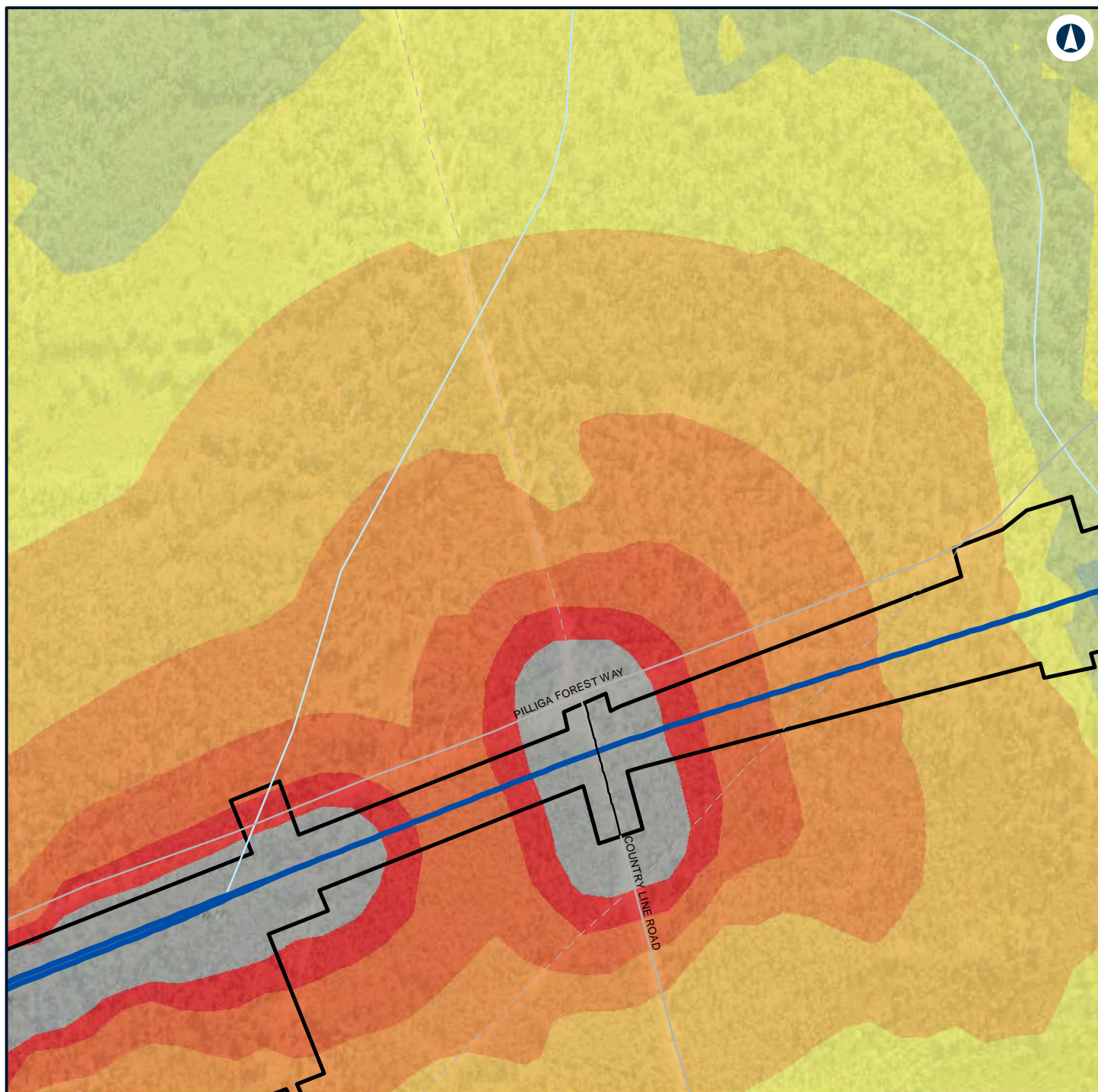
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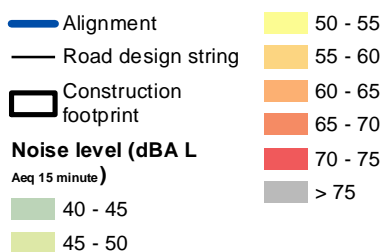
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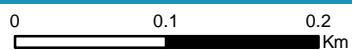
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 434 of 554



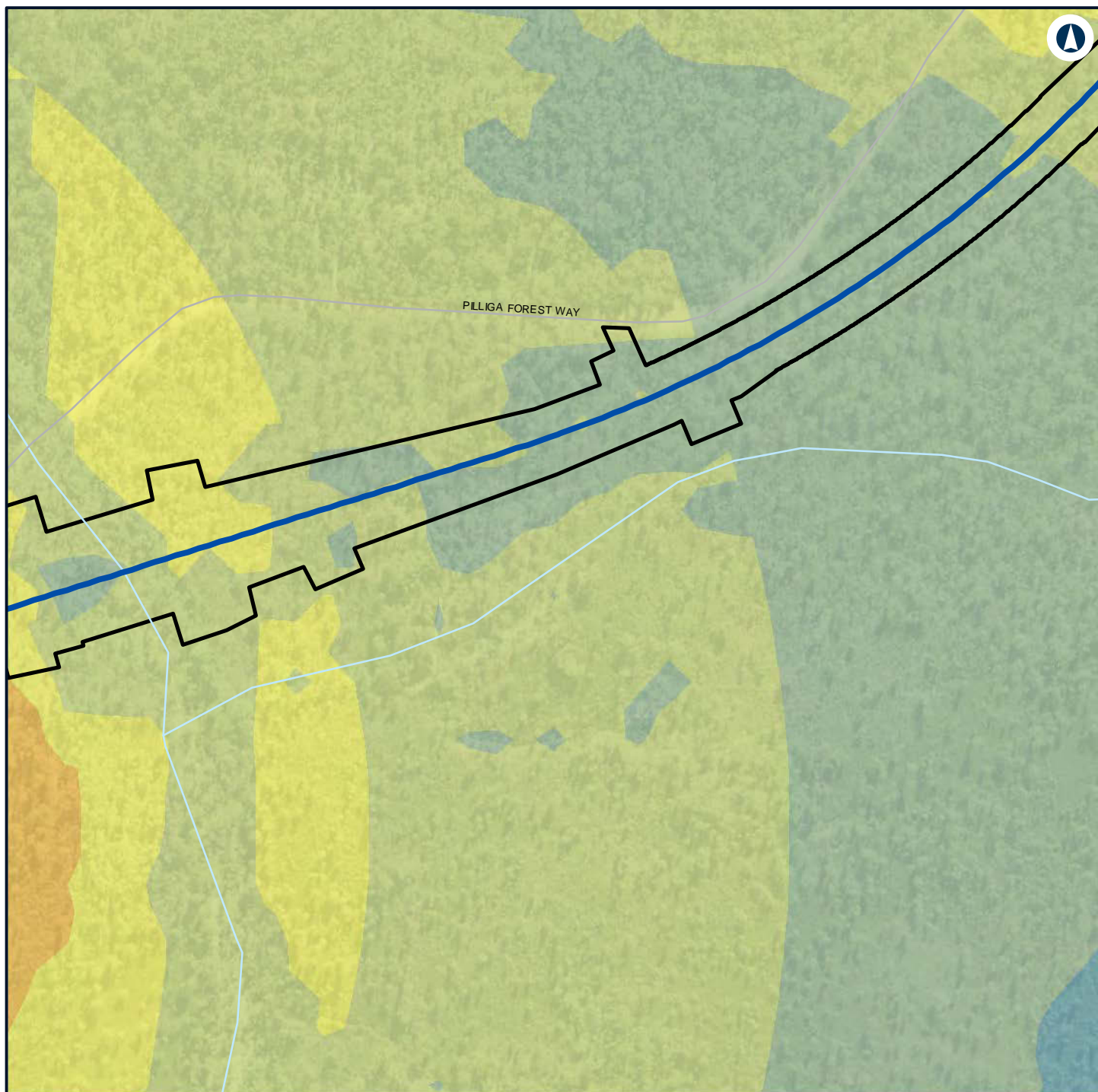
Coordinate System: GDA 1994 MGA Zone 55

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 Author: GHD Scale: 1:5,000
 Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 435 of 554

0 0.1 0.2
Km

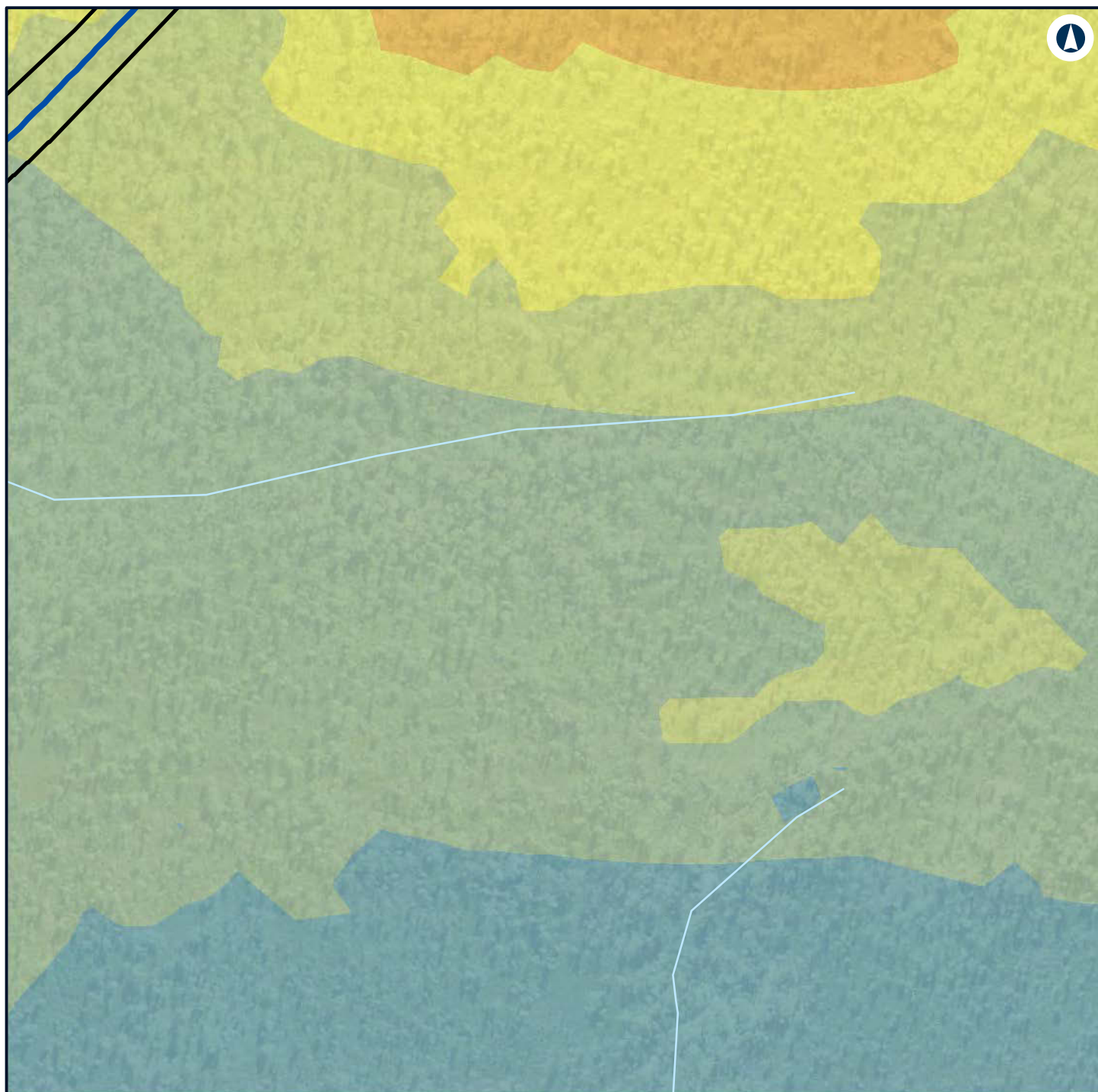
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

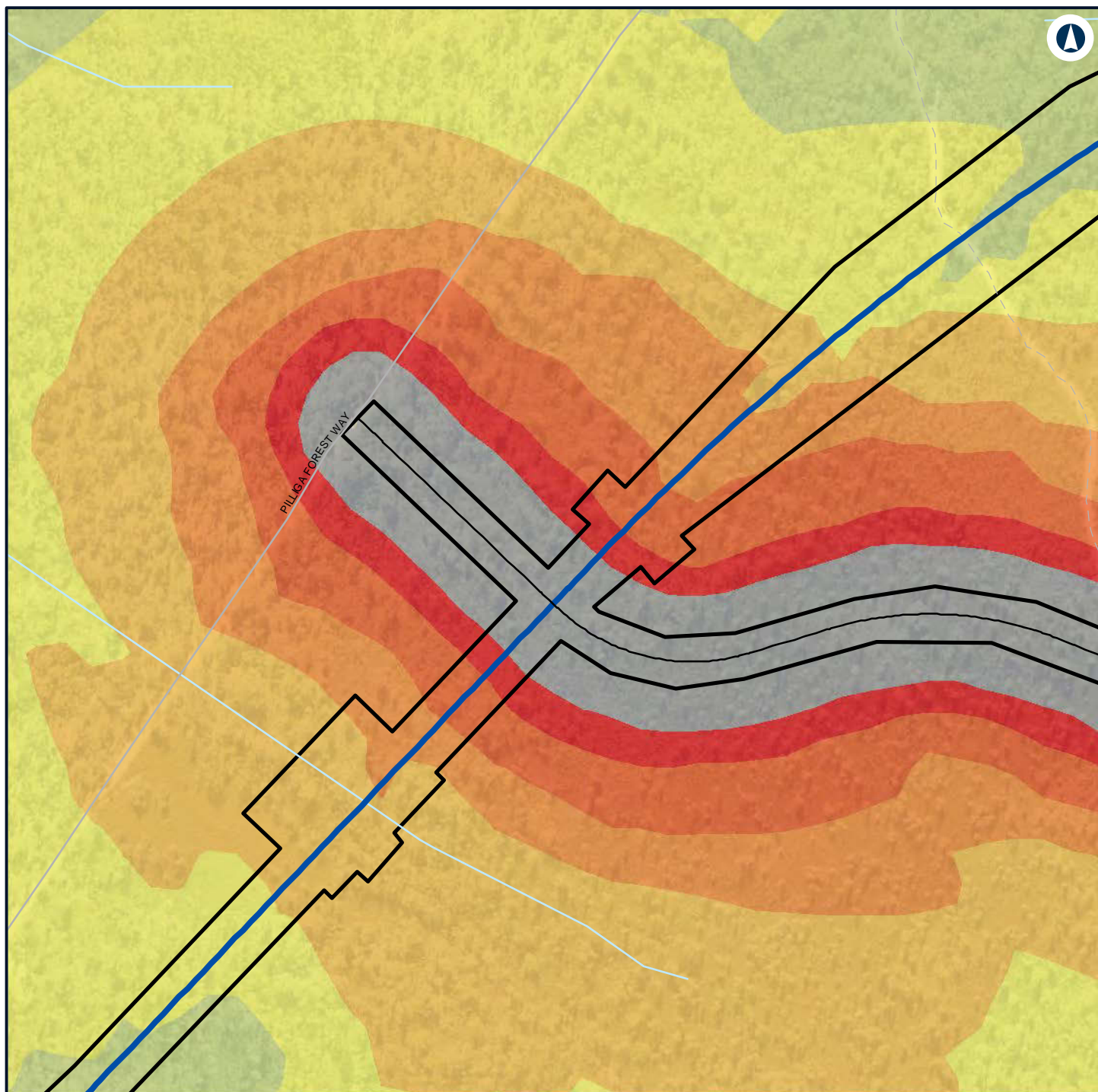
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L)**
Aeq 15 minute)
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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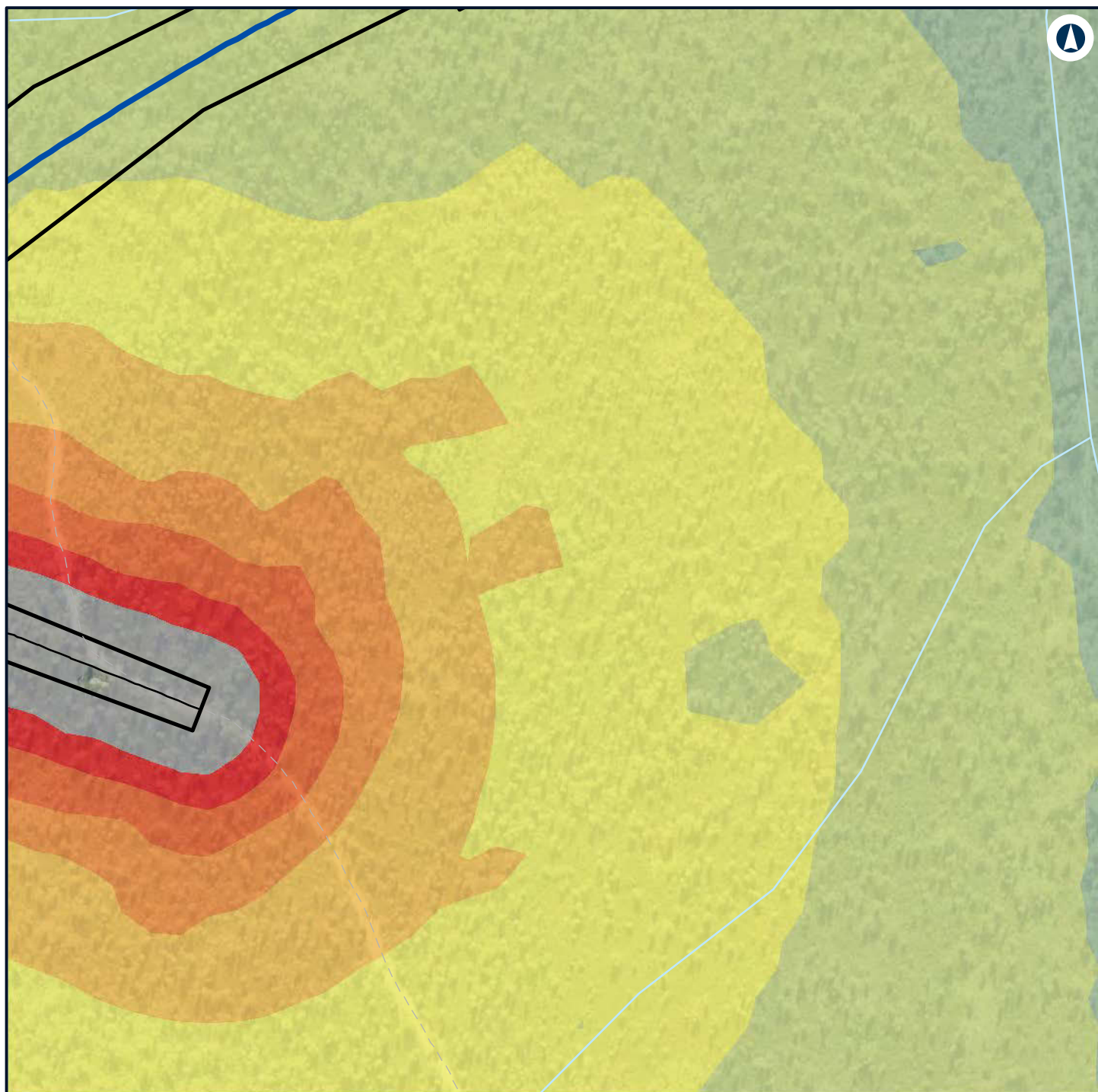
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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
	65 - 70
	70 - 75
	> 75
Noise level (dBA L Aeq 15 minute)	
40 - 45	
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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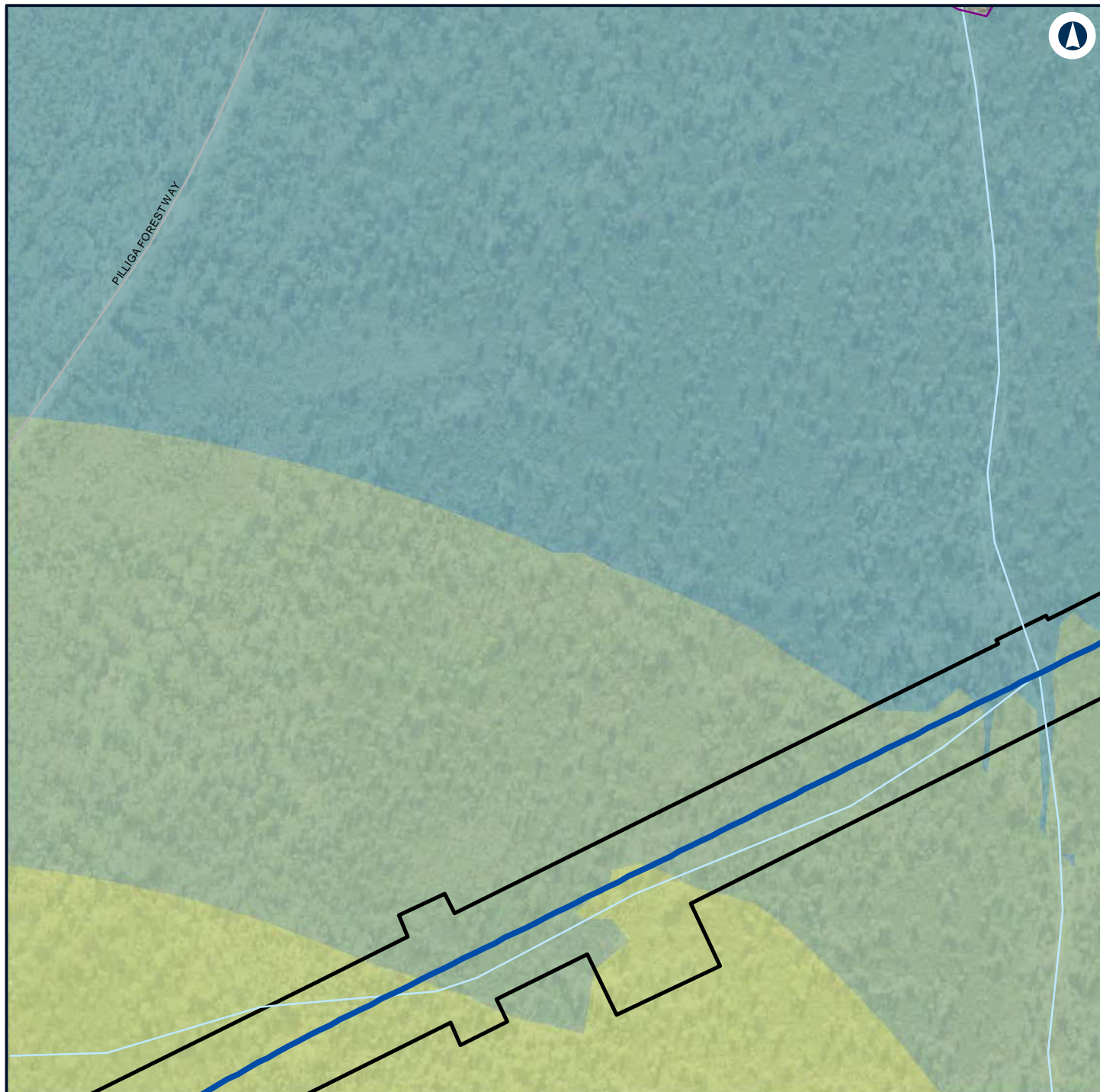
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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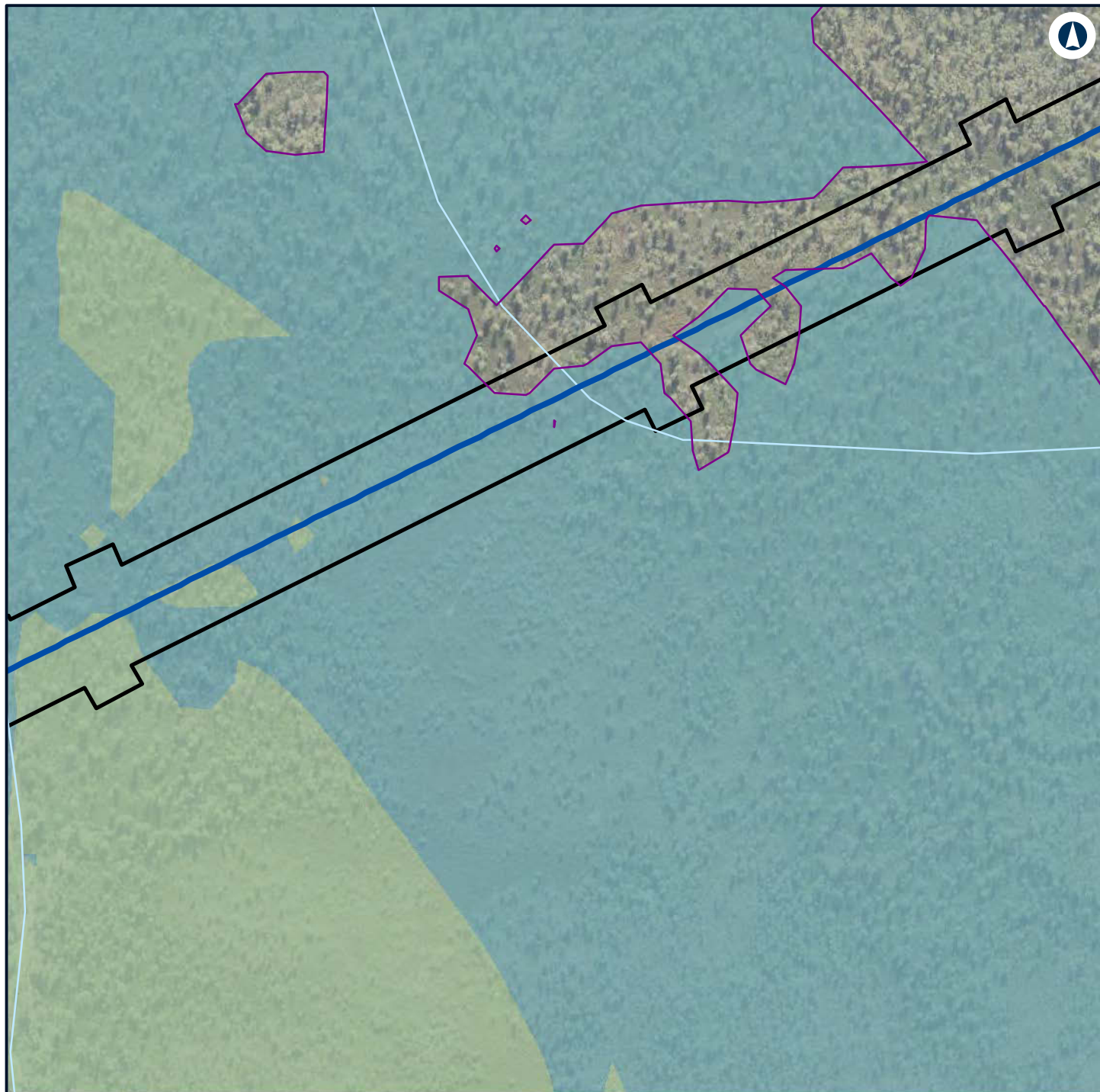
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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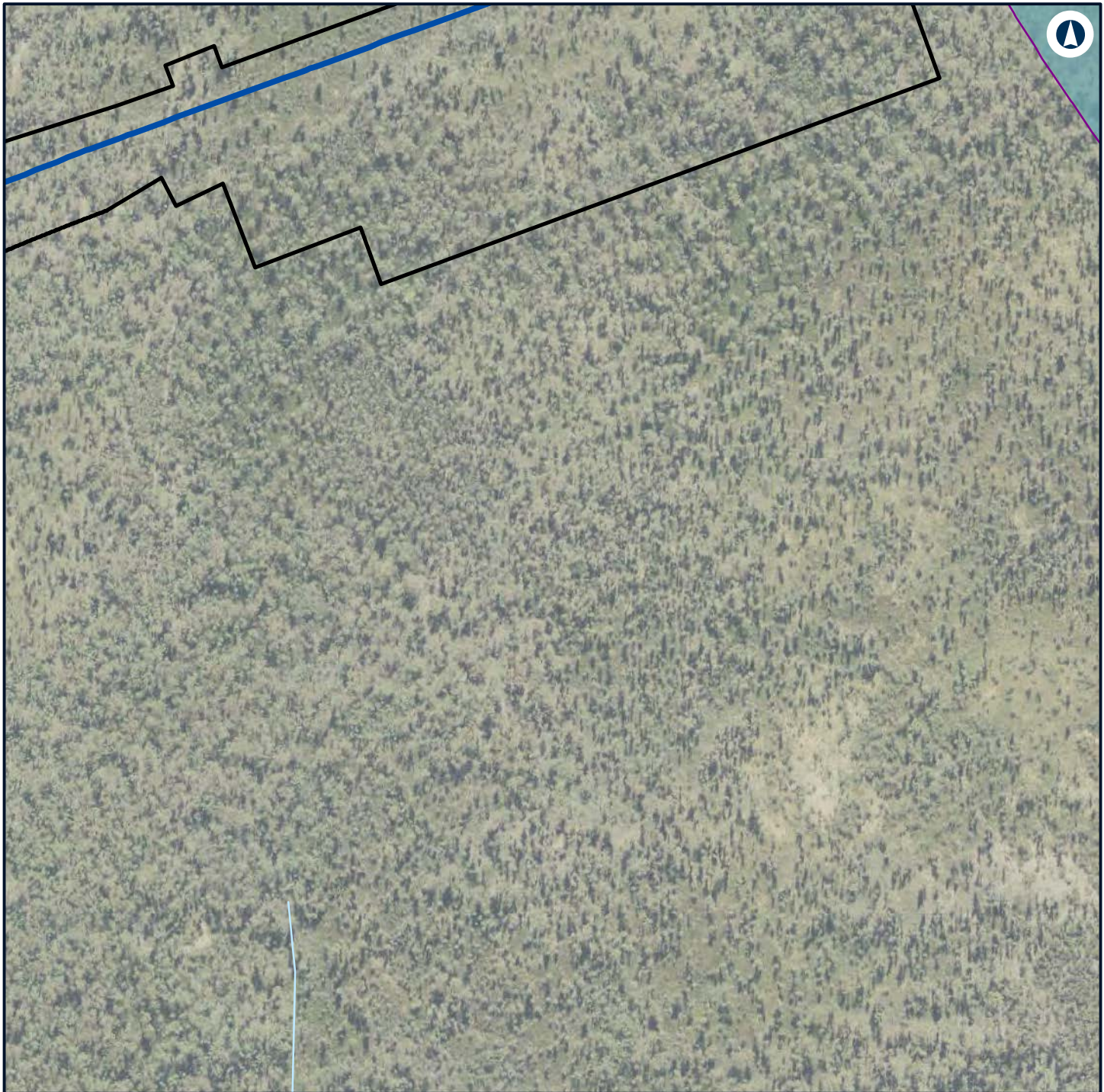
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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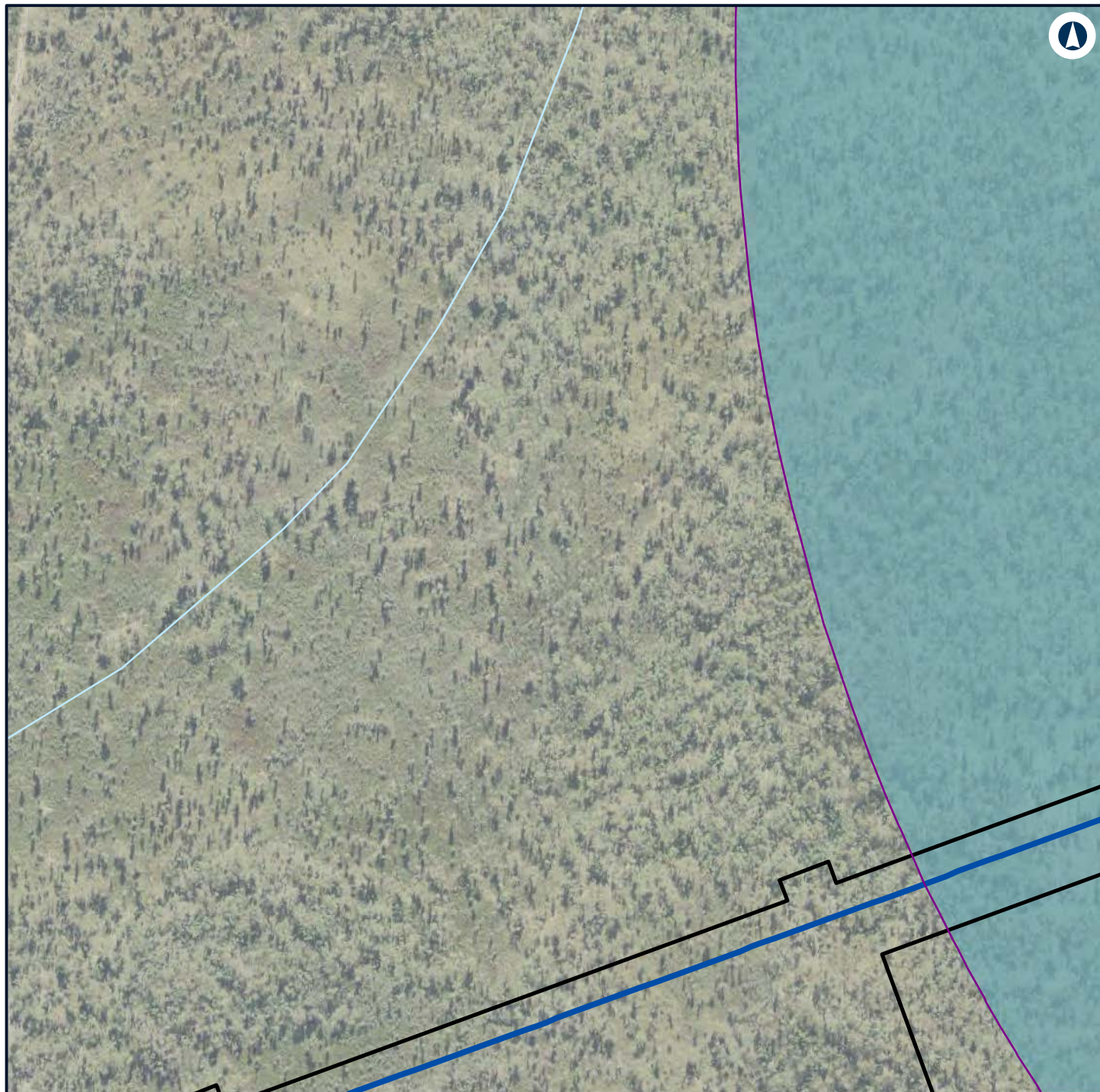
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 443 of 554

0 0.1 0.2
Km

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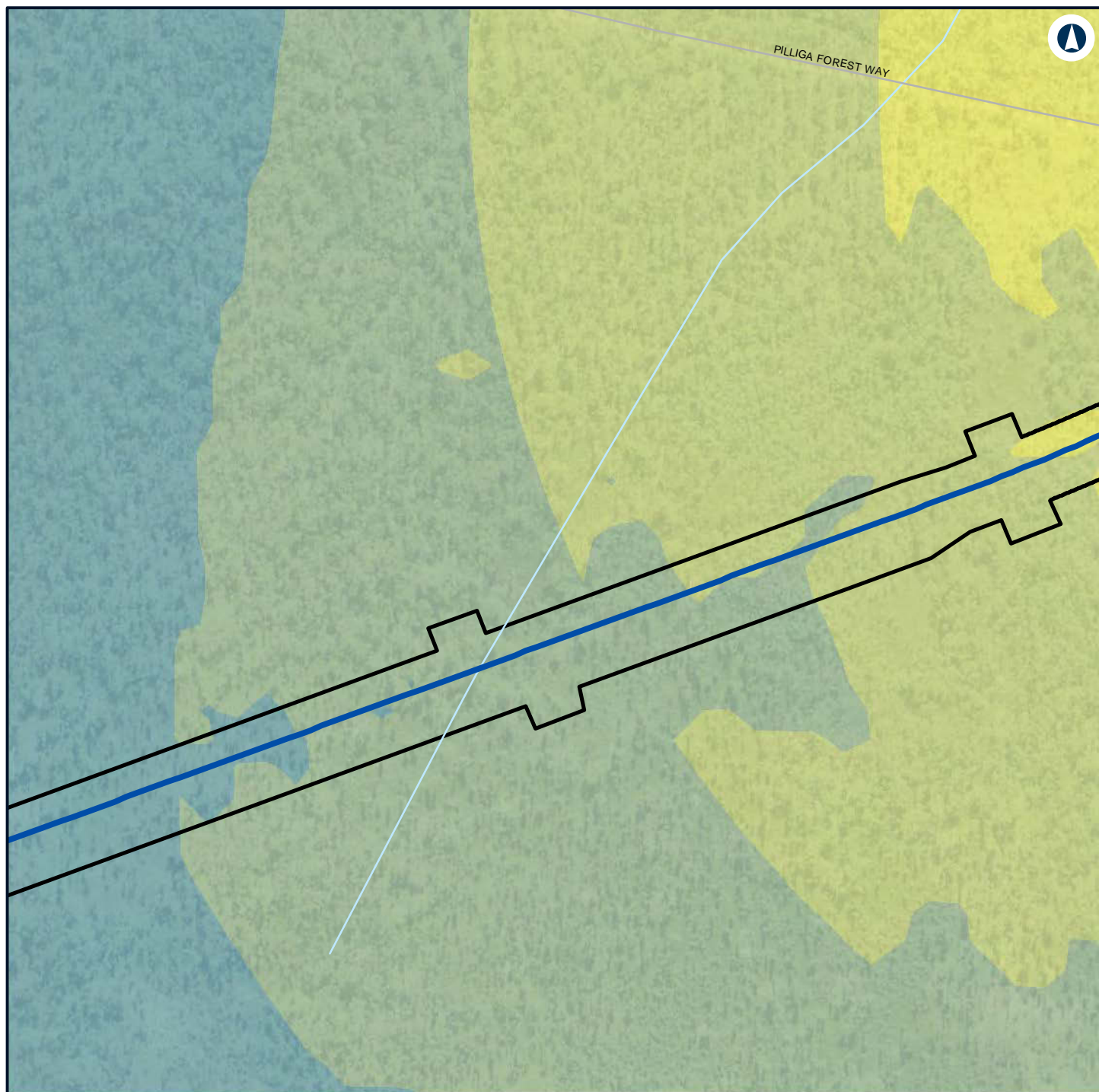
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L
Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 444 of 554

0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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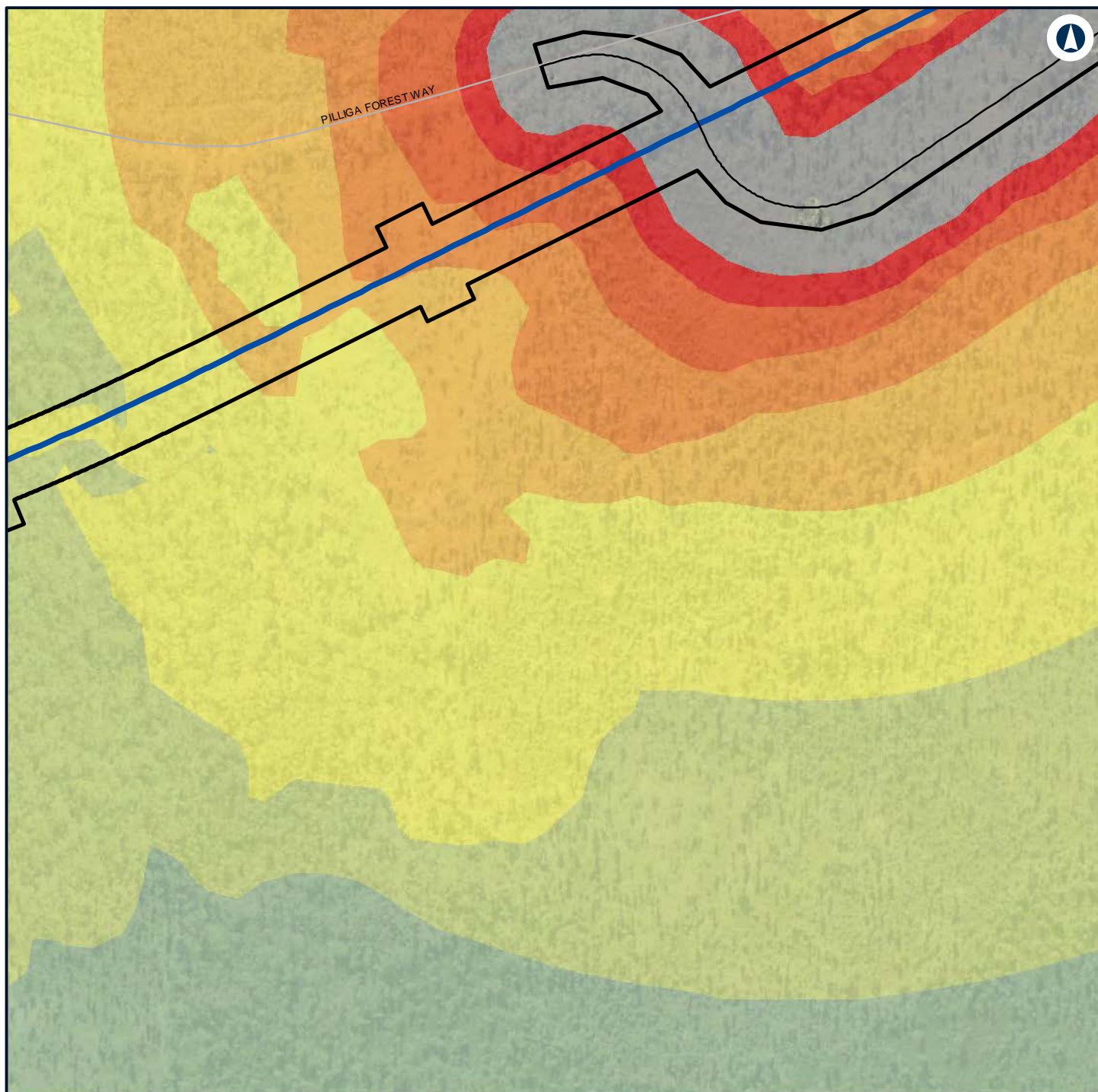
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Scale: 1:5,000

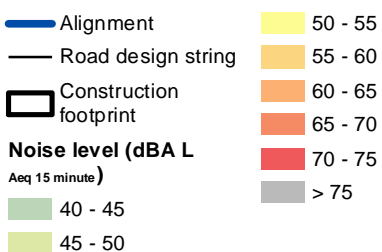
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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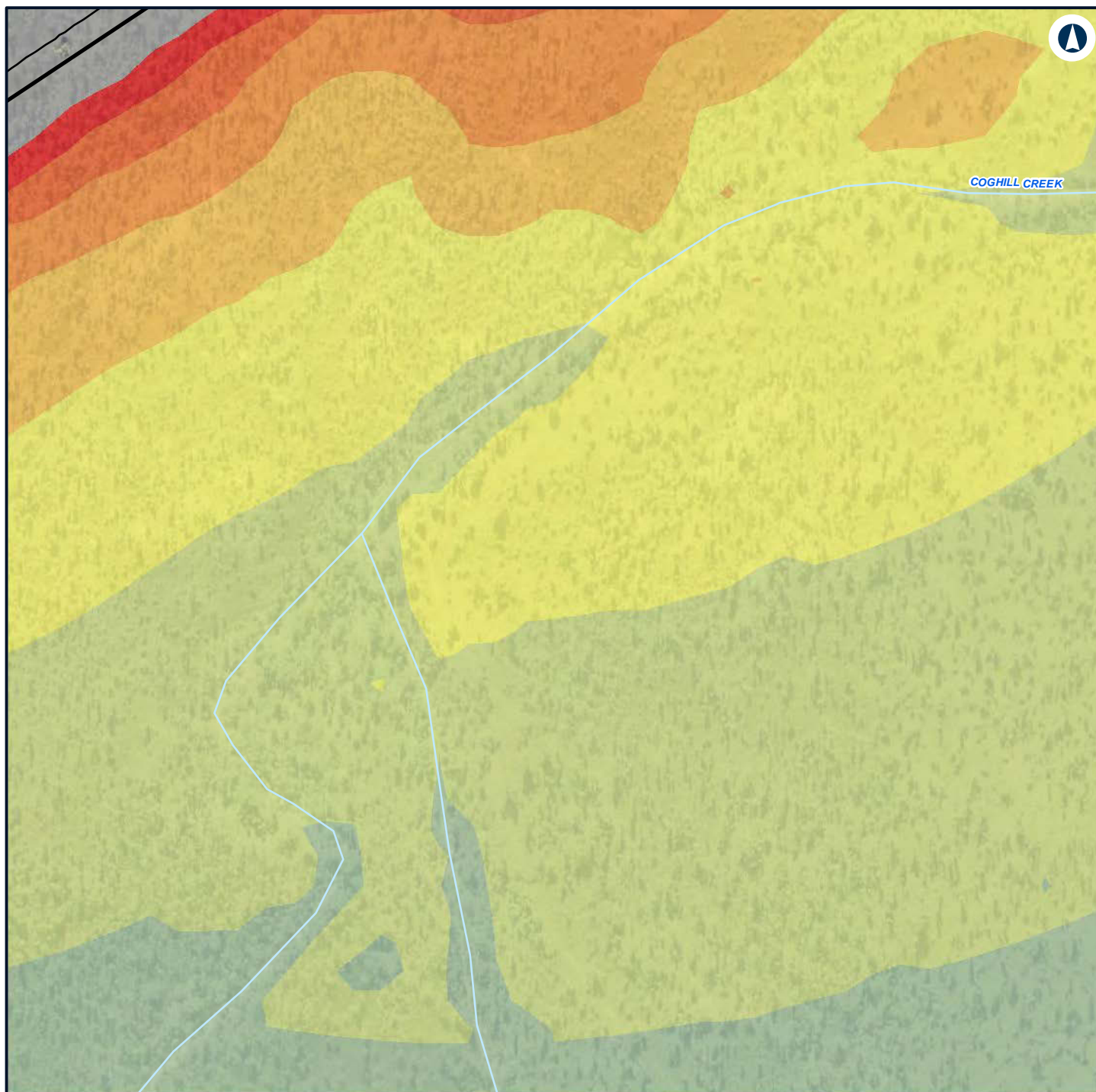
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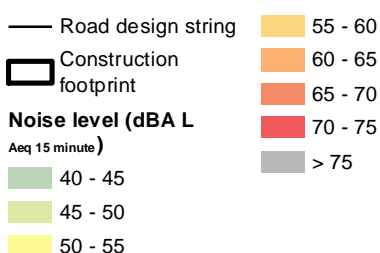
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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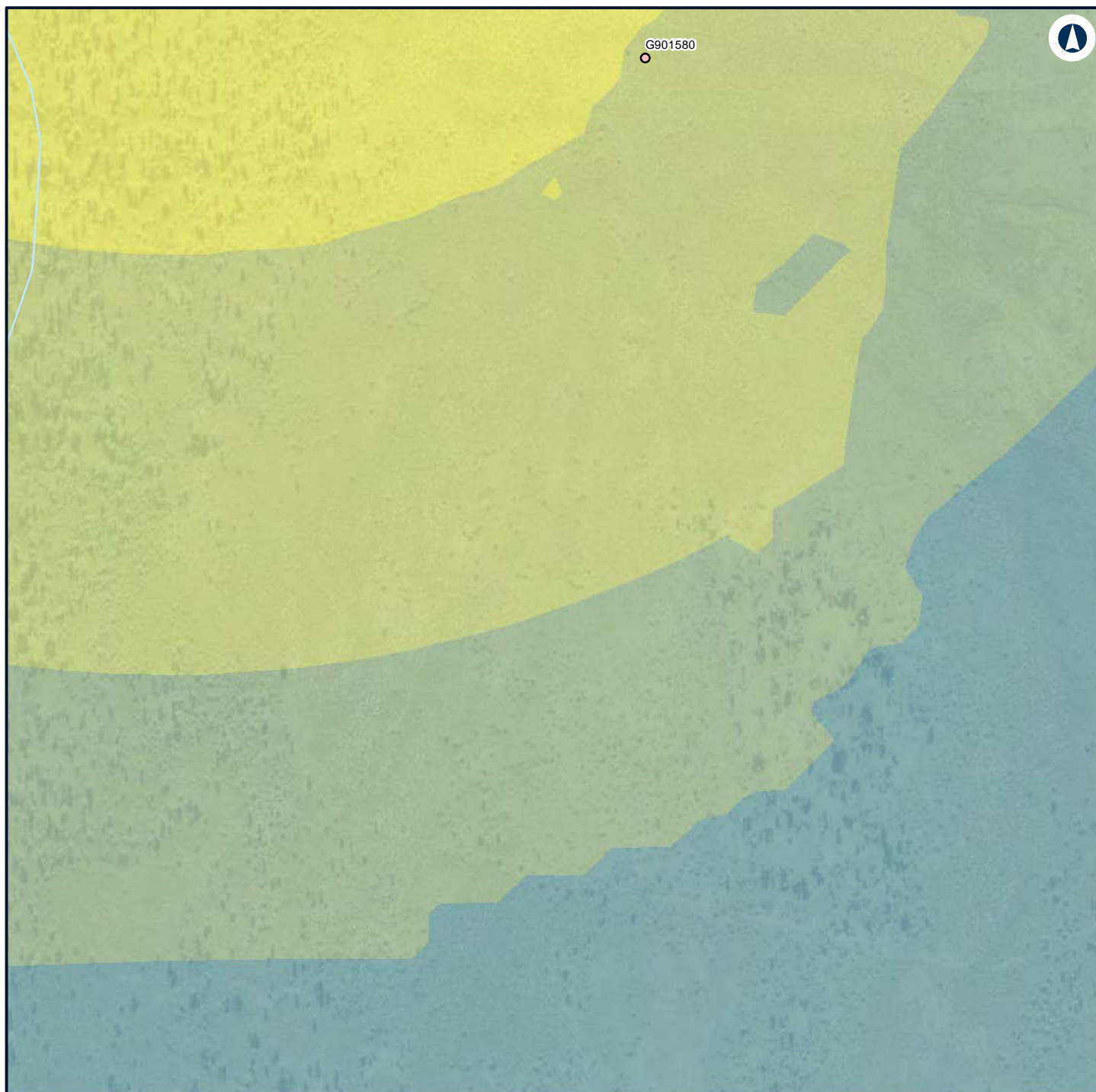
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LEGEND

Structure type

50 - 55

- Passive recreation

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 447 of 554

0 0.1 0.2
Km

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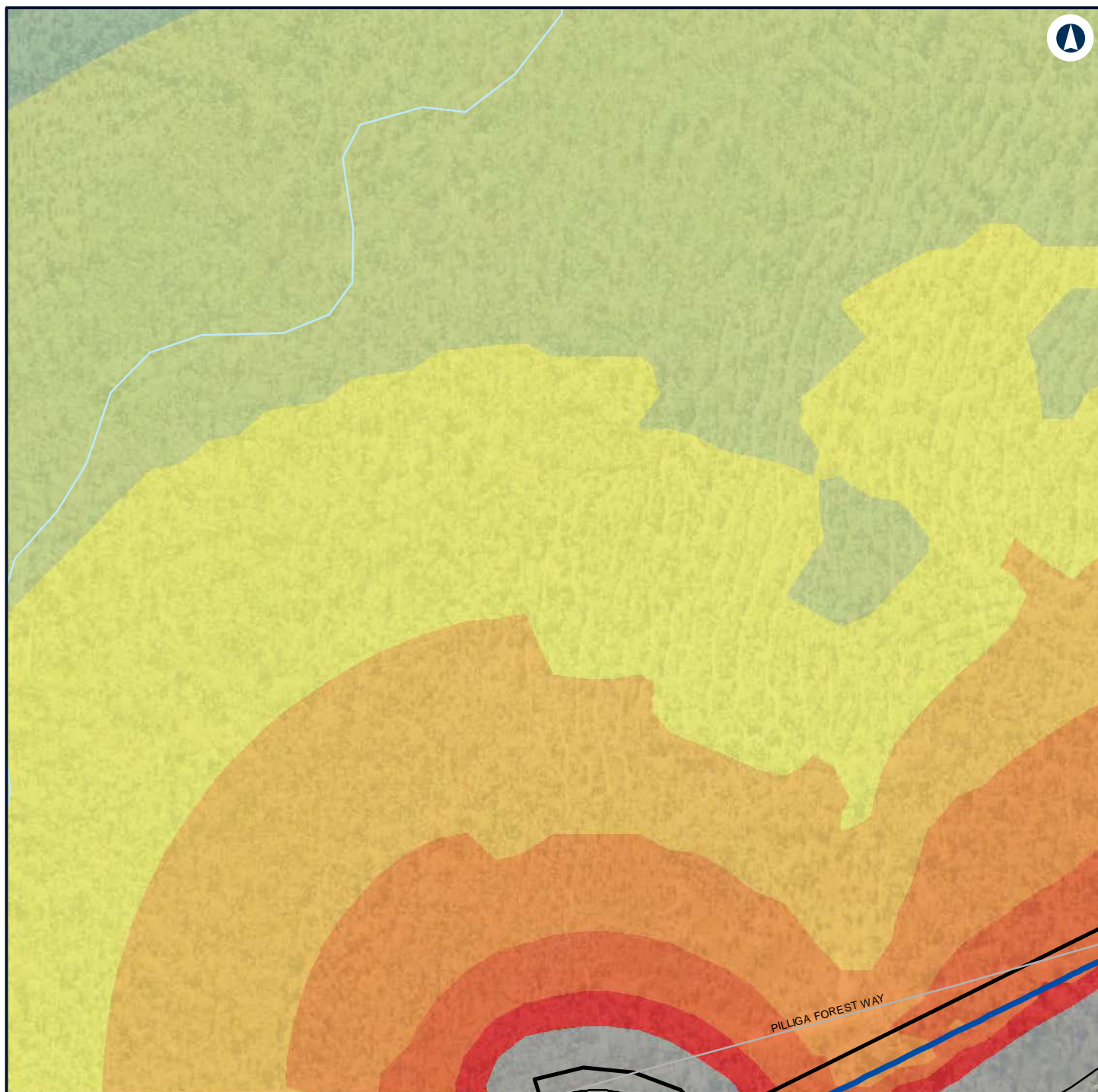
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
Noise level (dBA L	65 - 70
Aeq 15 minute)	70 - 75
40 - 45	> 75
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

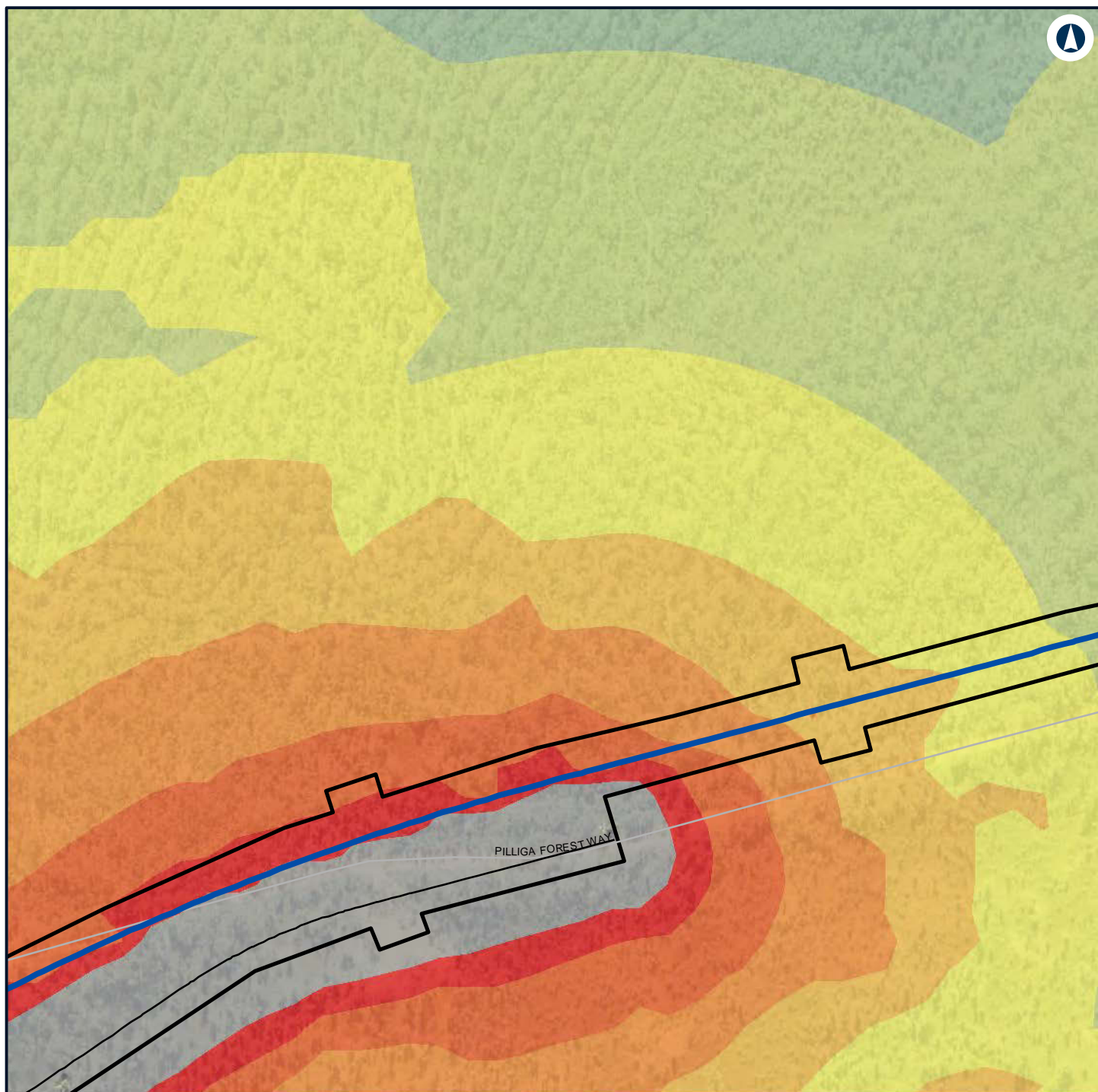
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LEGEND

	Alignment		50 - 55
	Road design string		55 - 60
	Construction footprint		60 - 65
			65 - 70
			70 - 75
			> 75
	Noise level (dBA L Aeq 15 minute)		40 - 45
			45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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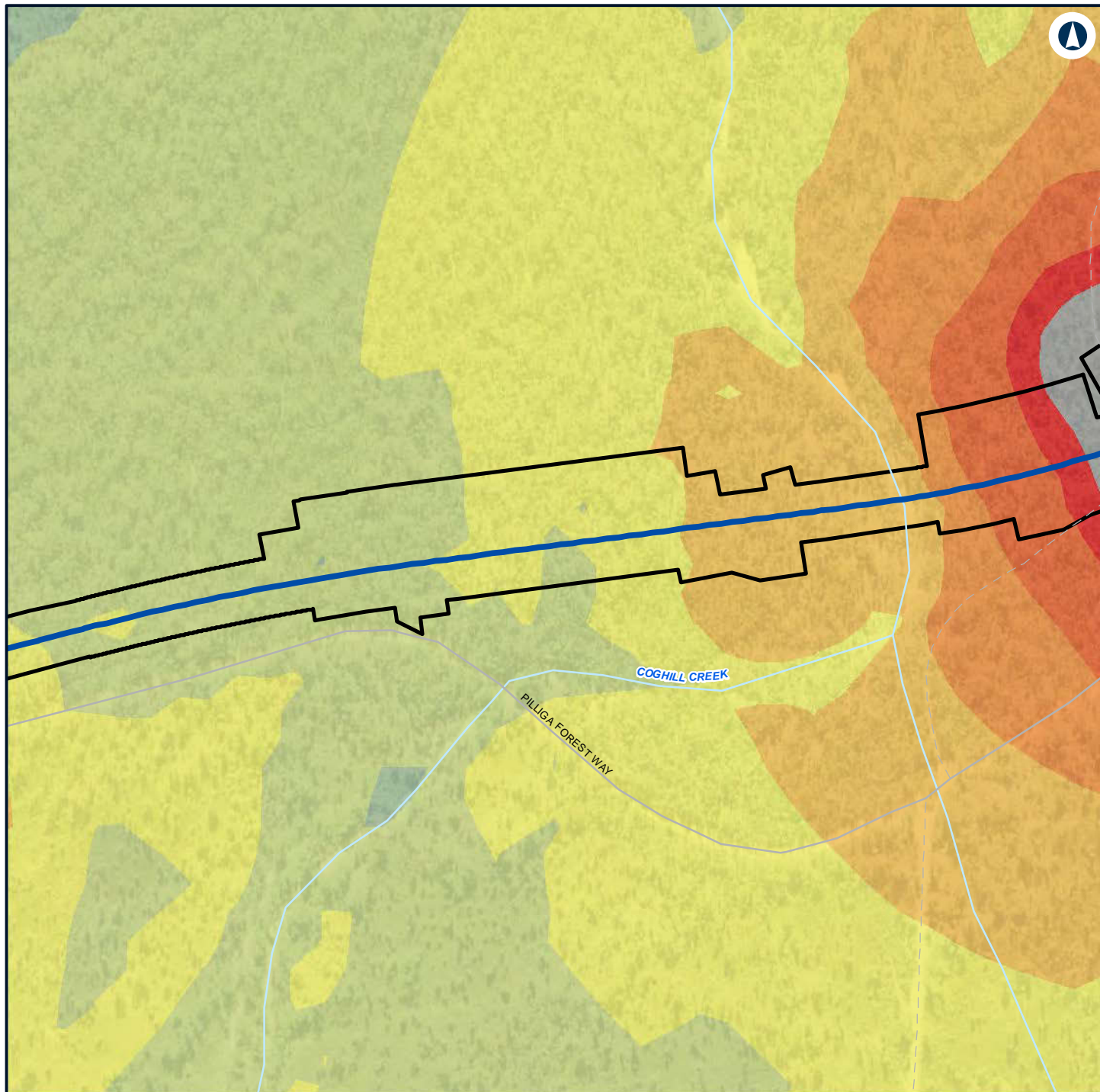
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L)**
Aeq 15 minute)
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

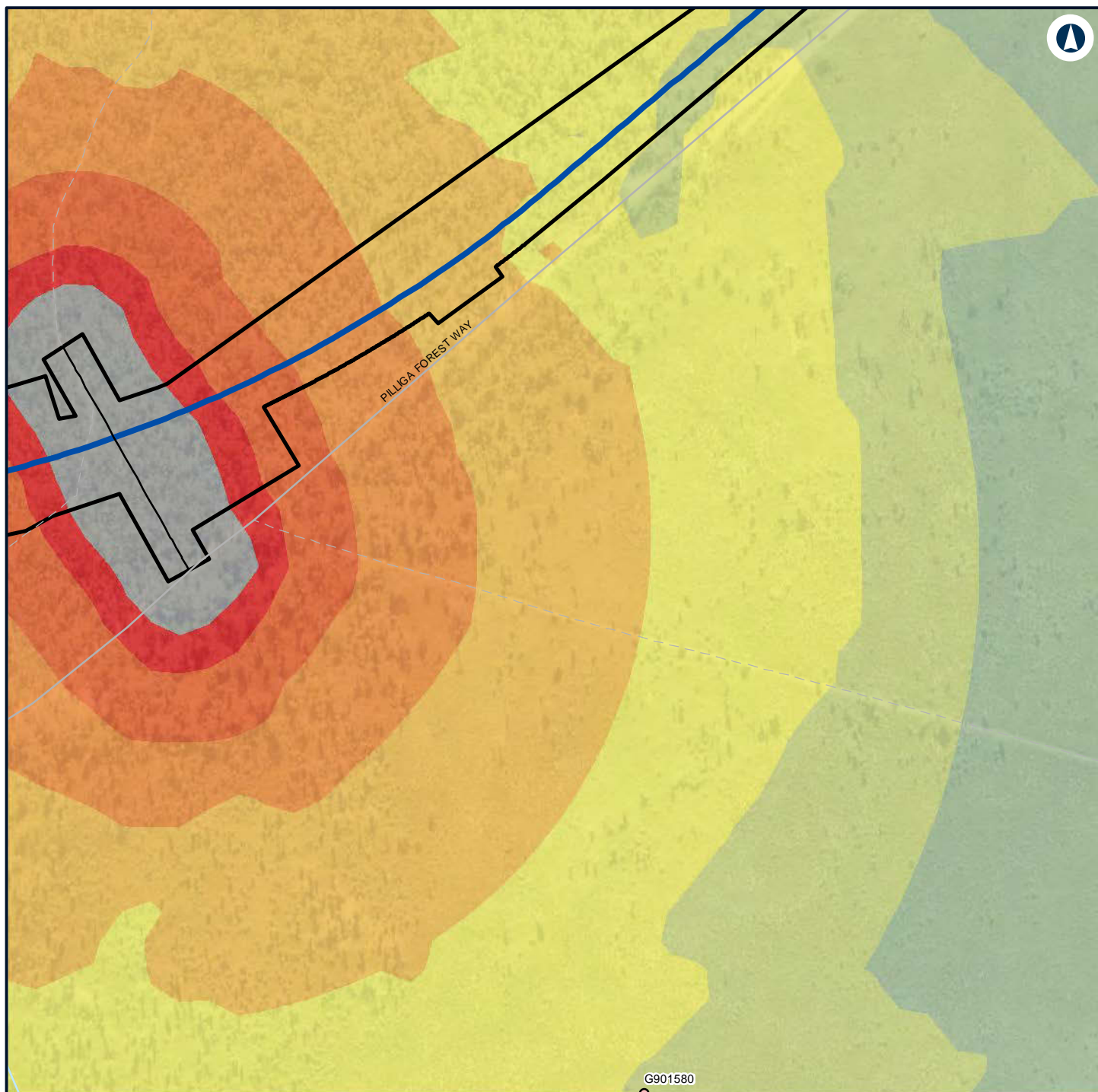
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LEGEND

	Alignment		Noise level (dBA L Aeq 15 minute)		65 - 70
	Road design string				70 - 75
	Construction footprint				> 75
	Structure type		40 - 45		
	Passive recreation		45 - 50		
			50 - 55		
			55 - 60		
			60 - 65		



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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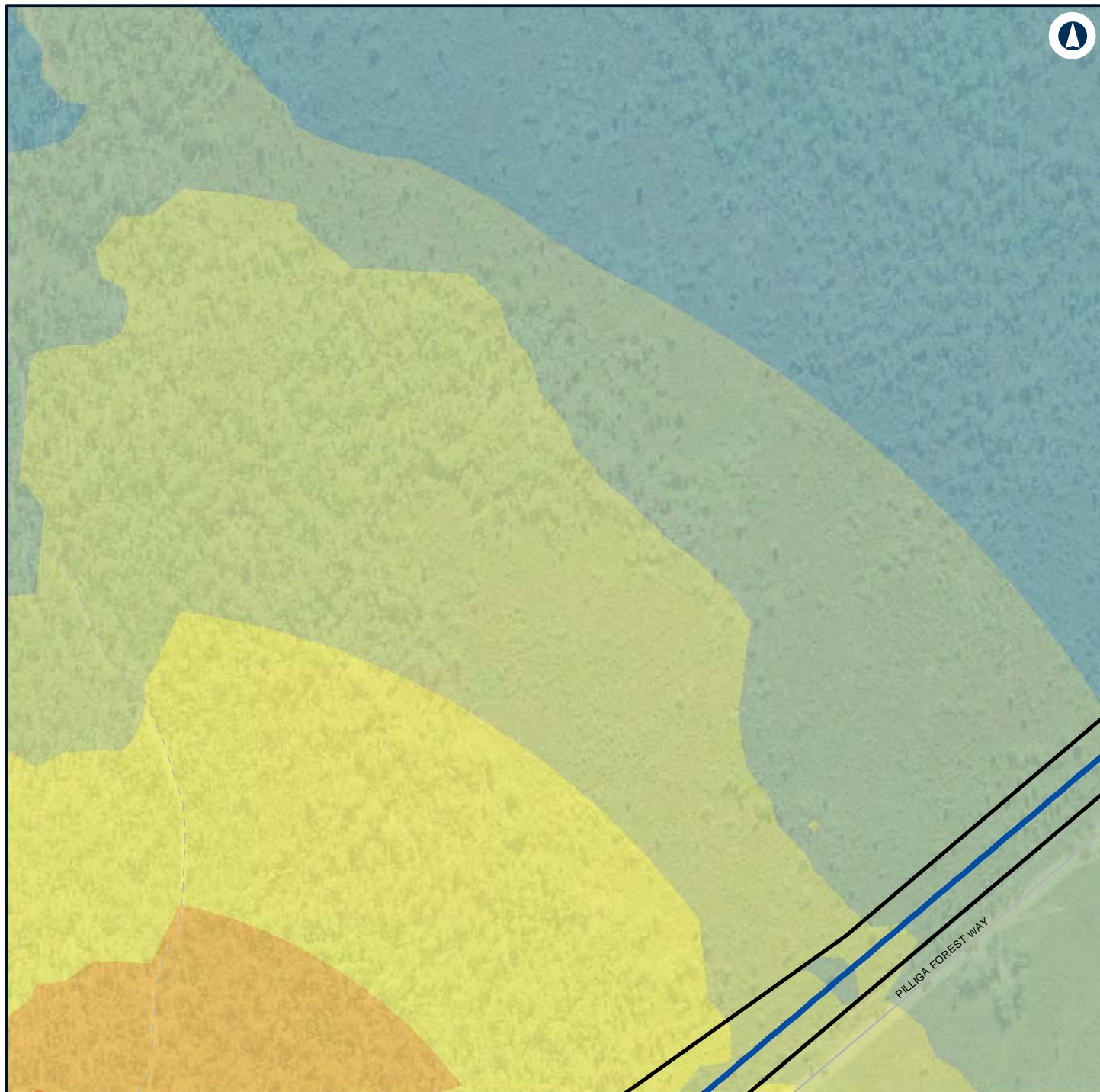
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60
- 60 - 65

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

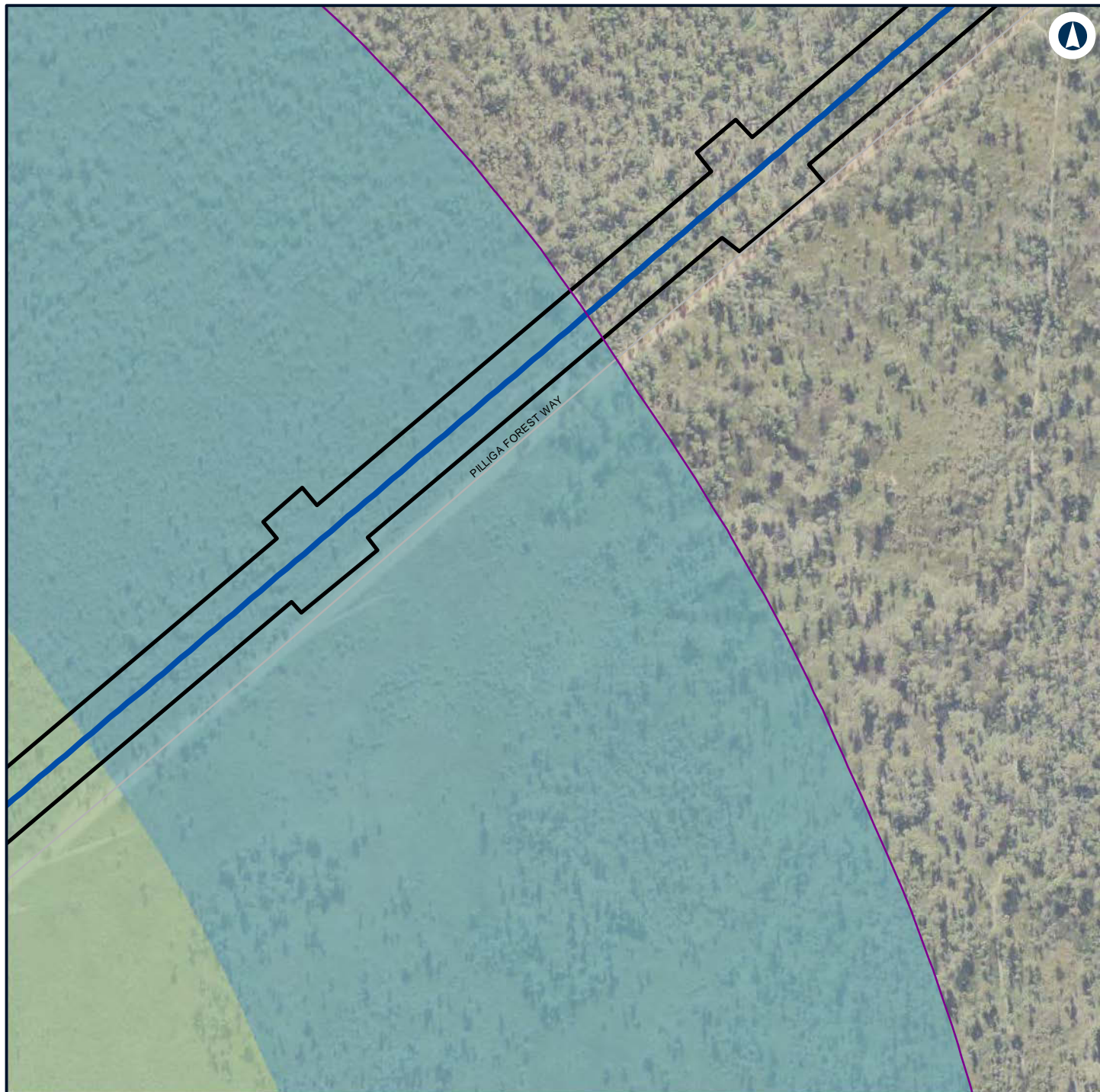
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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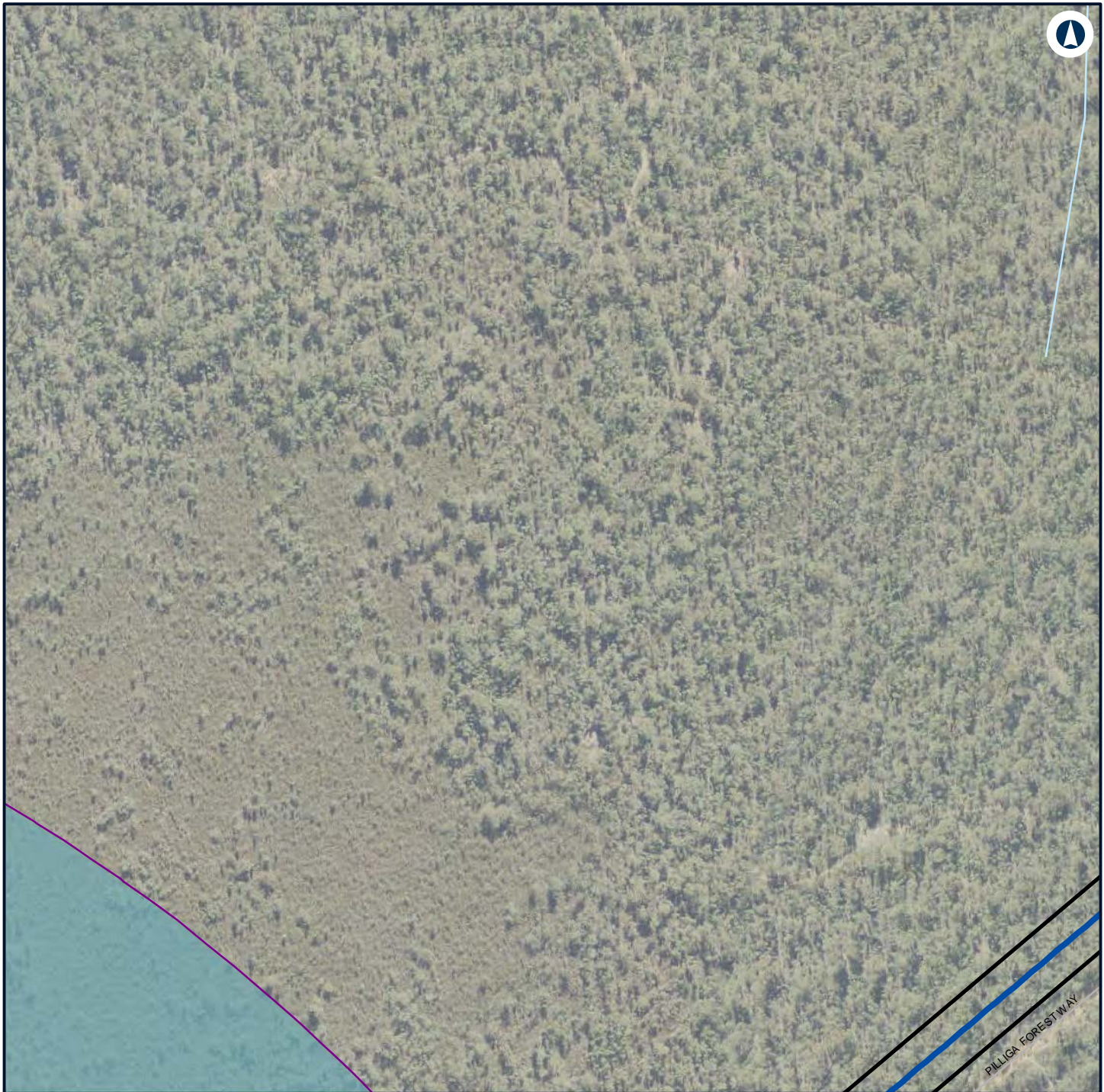
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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Paper: A4

Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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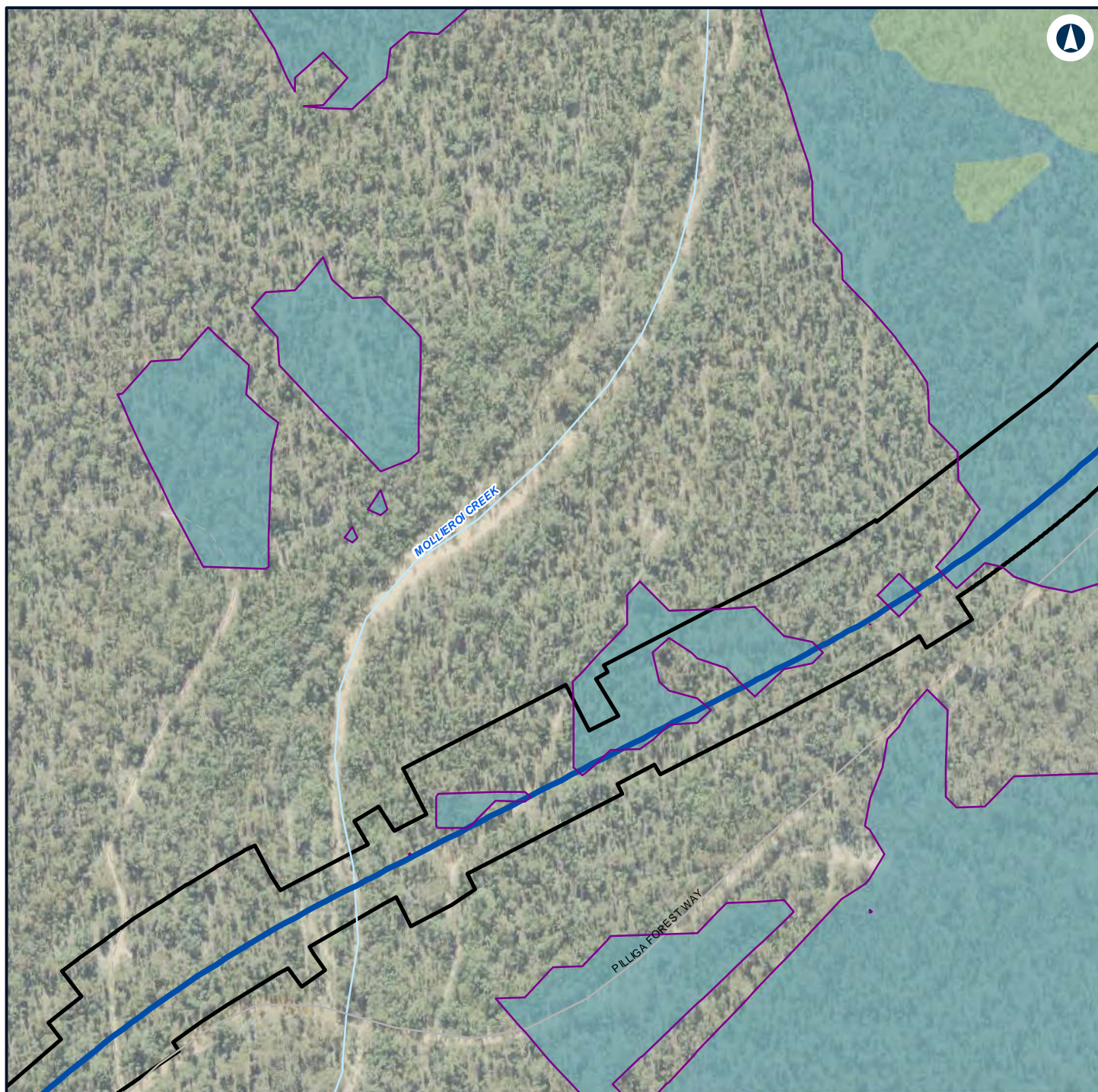
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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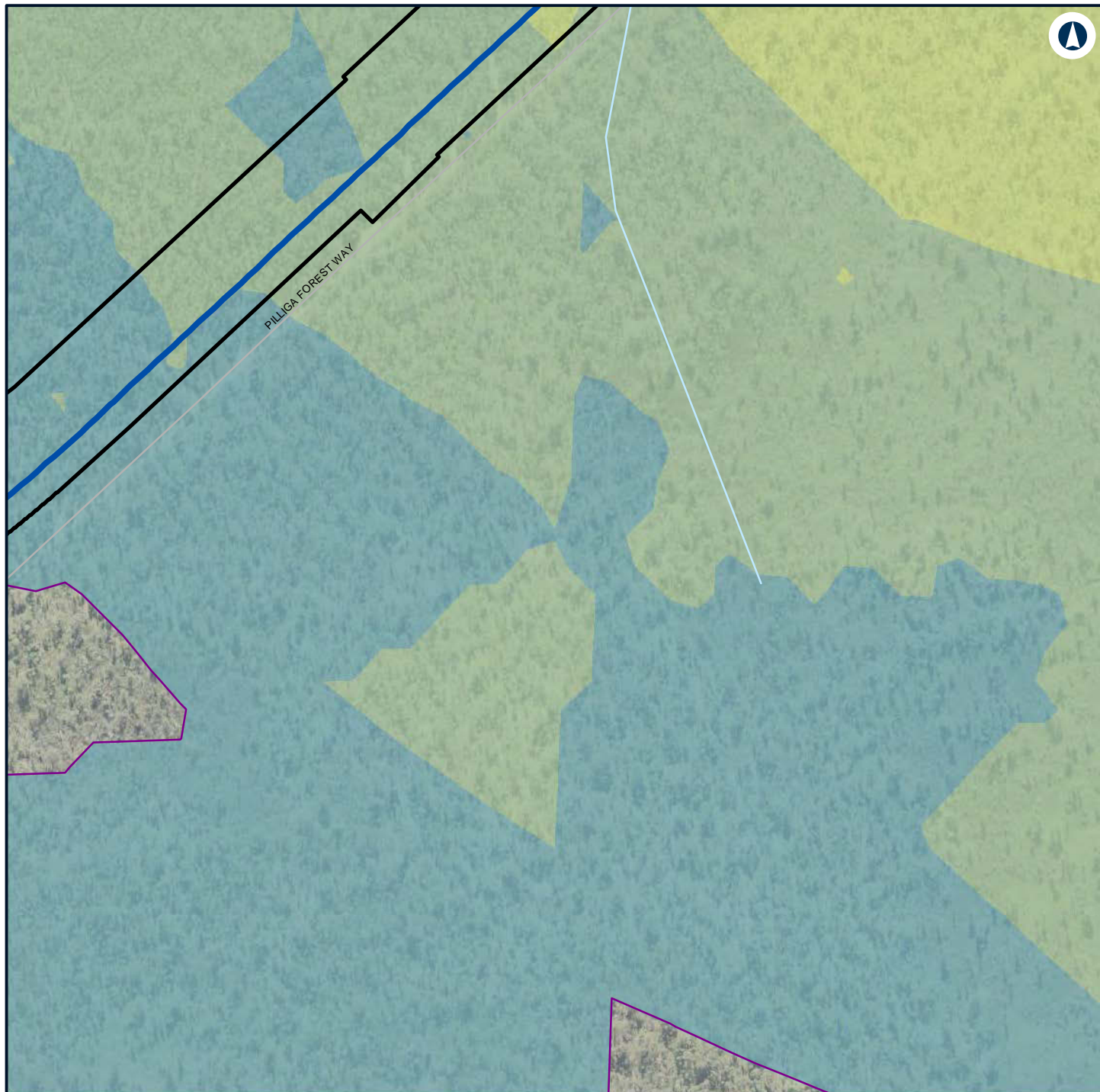
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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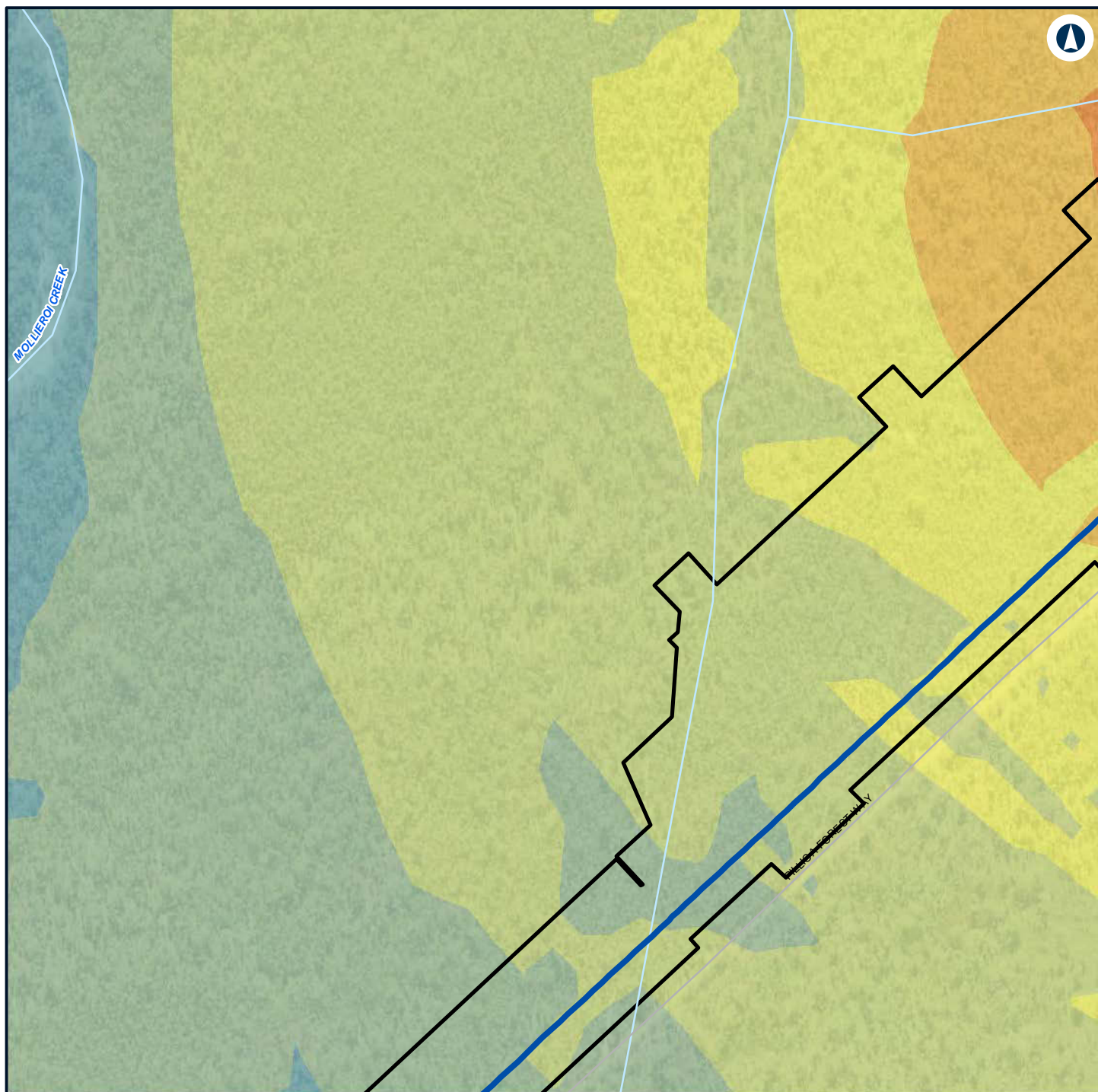
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60
- 60 - 65

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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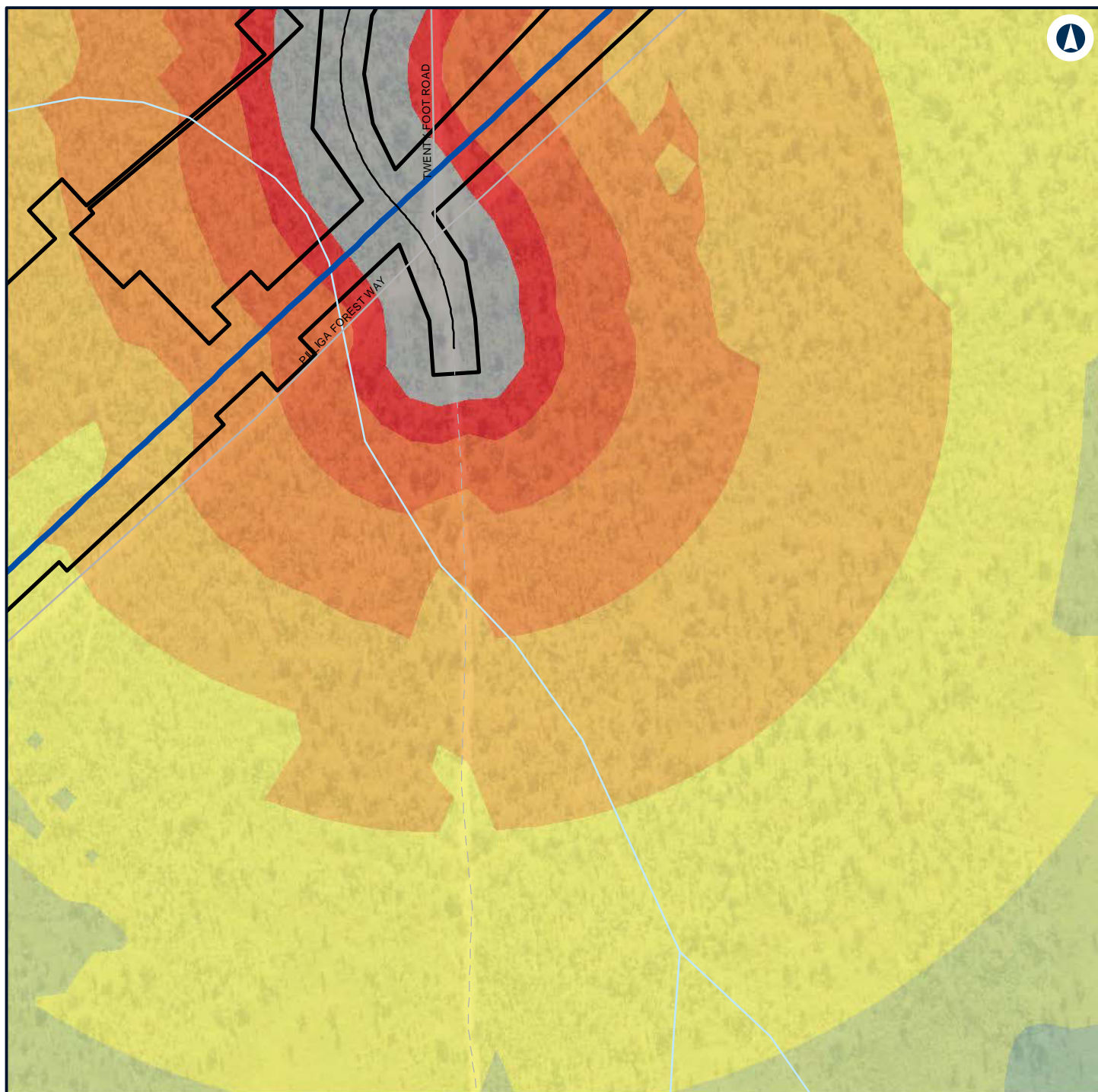
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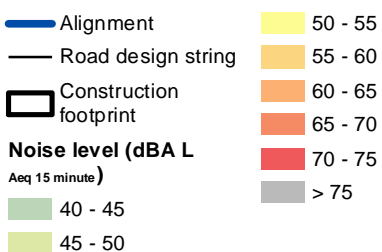
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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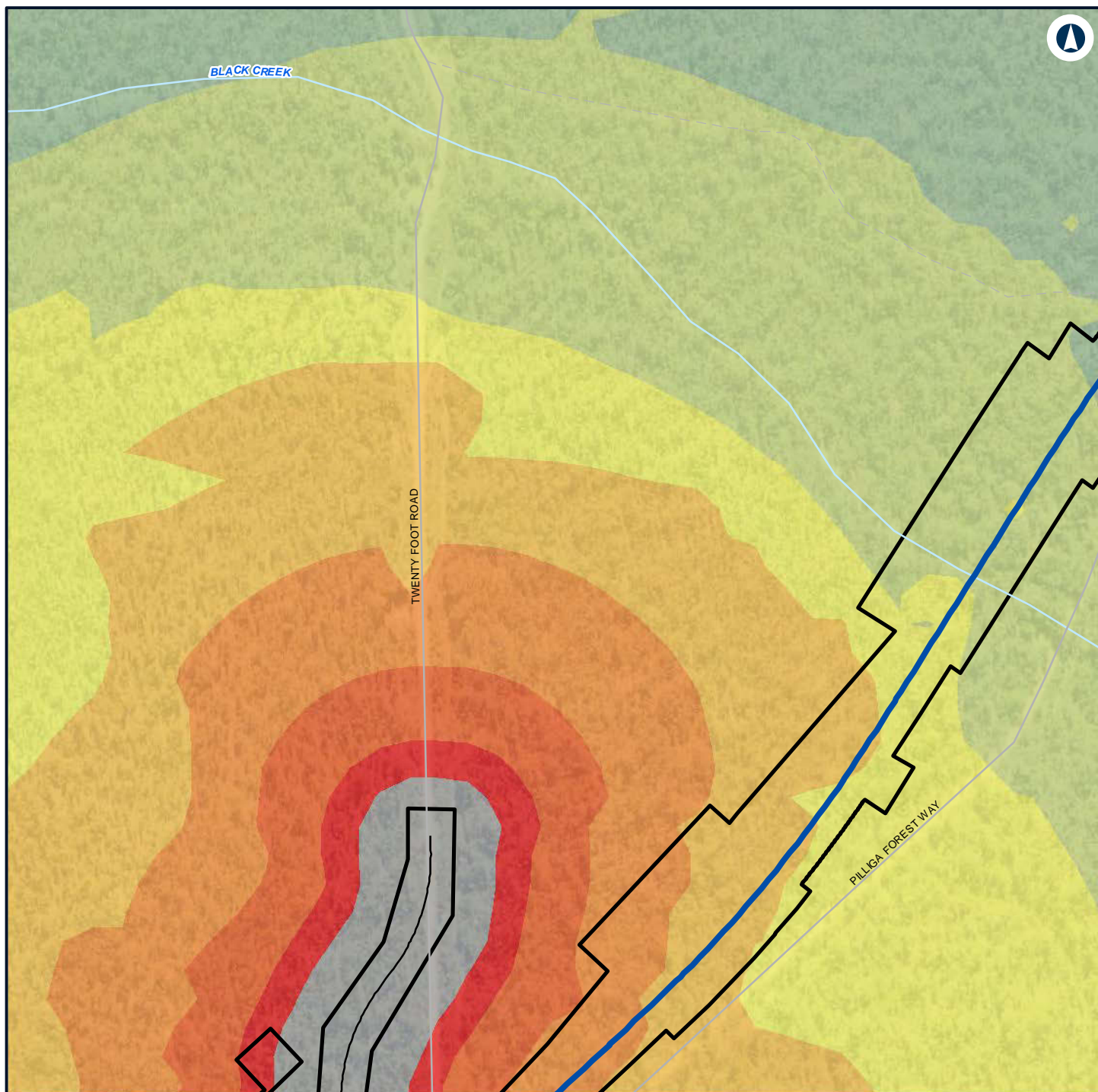
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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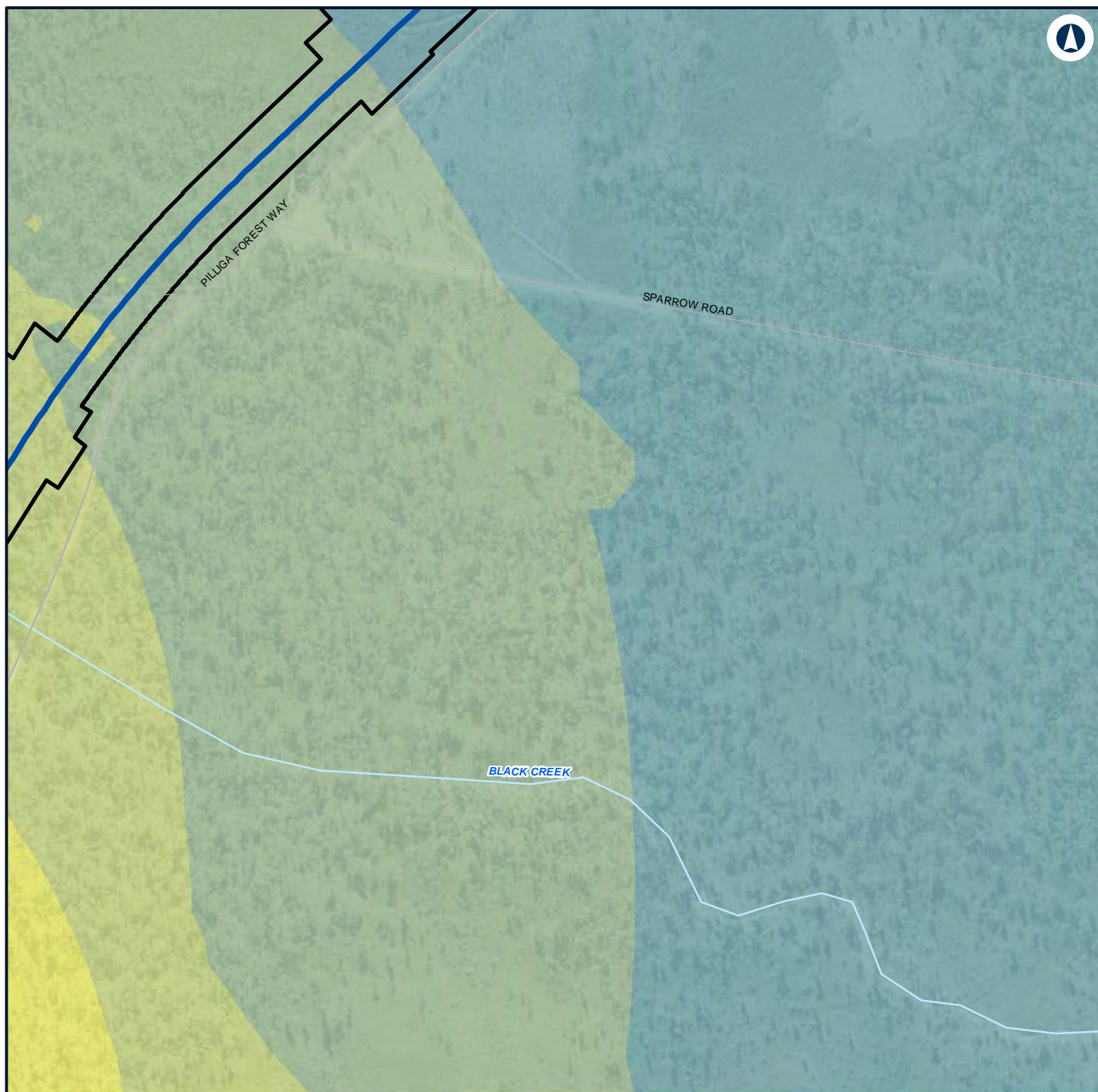
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LEGEND

Alignment 50 - 55

Construction footprint

Noise level (dBA L Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2 Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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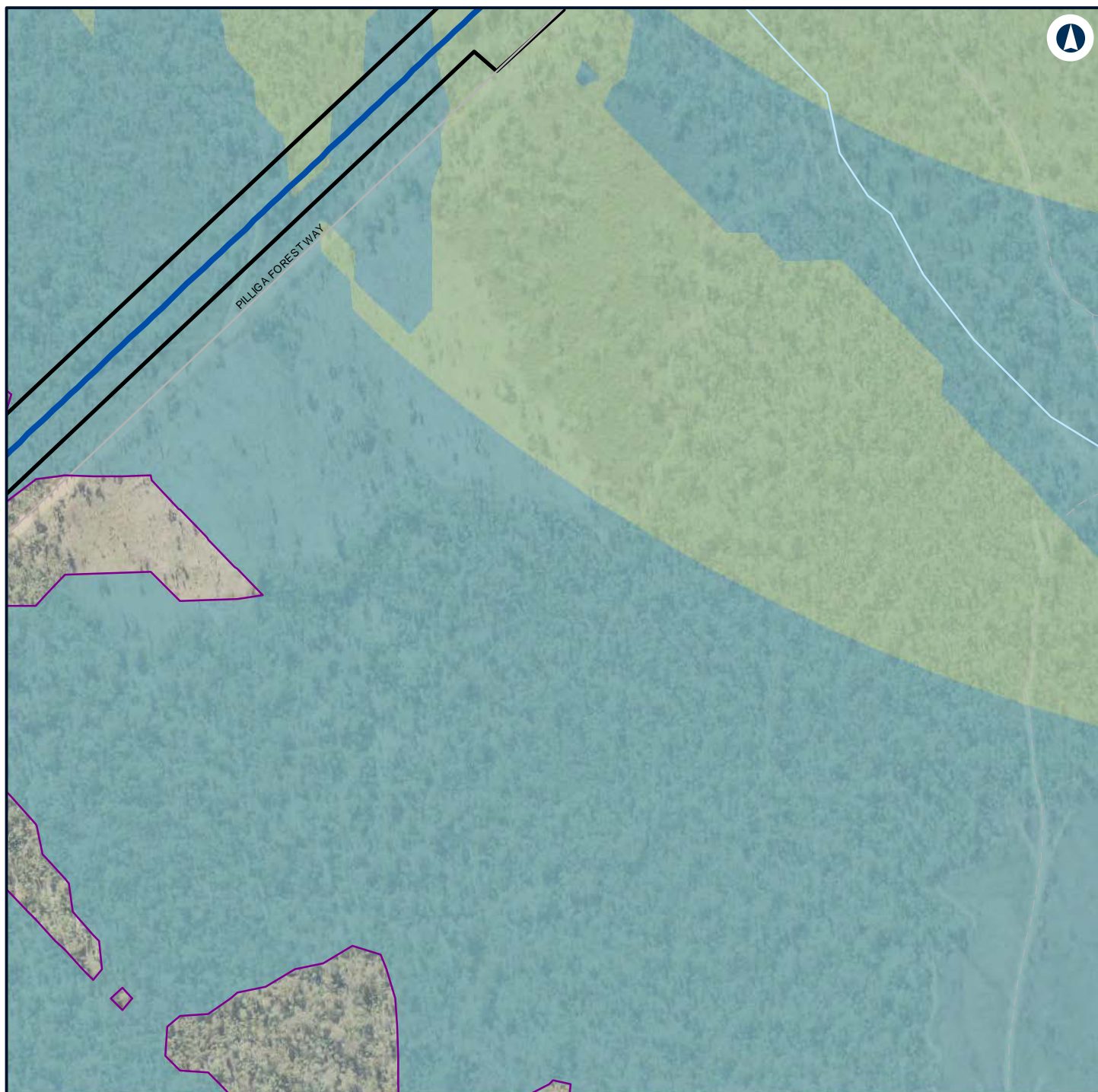
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L)

Aeq 15 minute)

35 - 40

40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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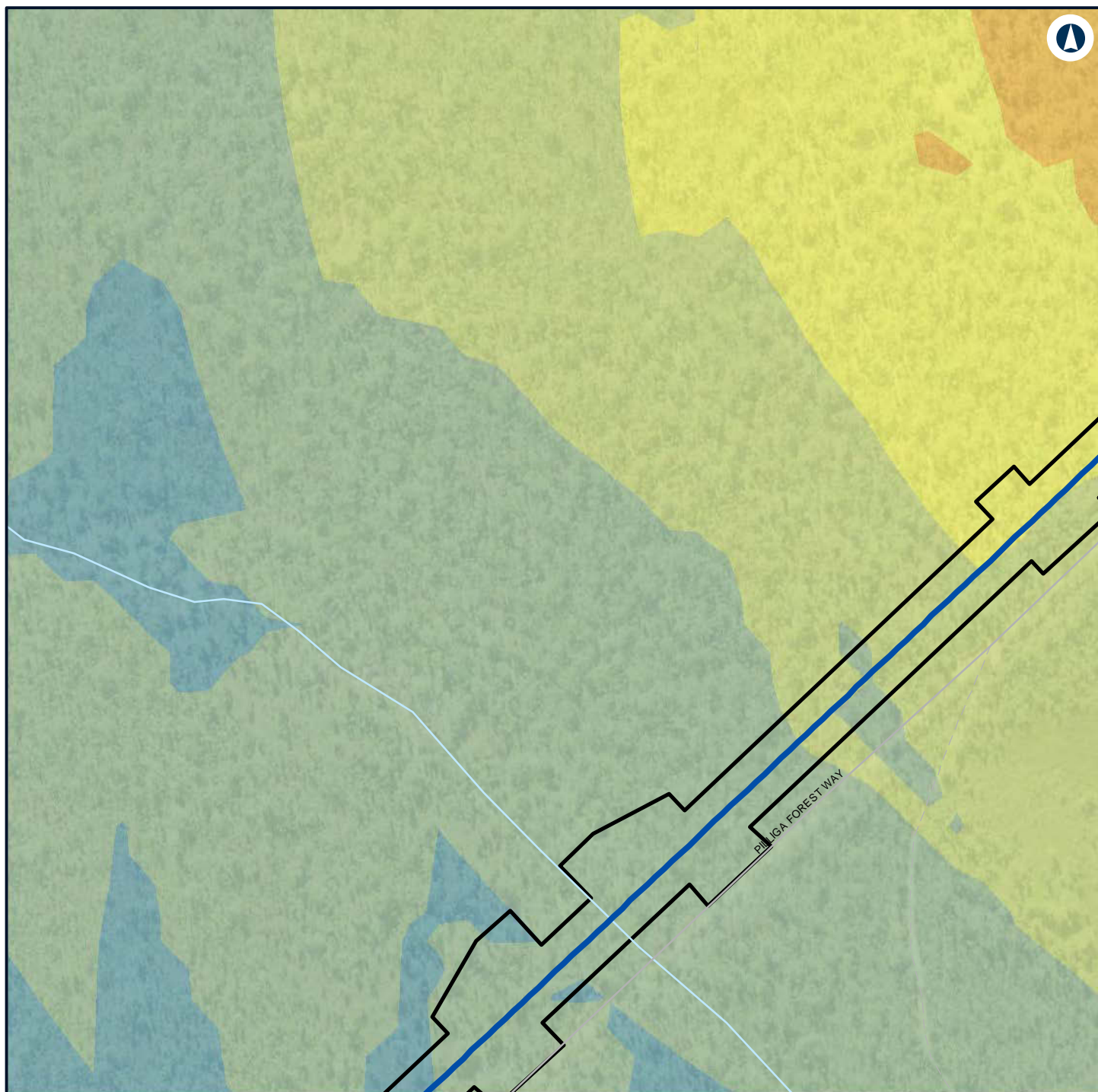
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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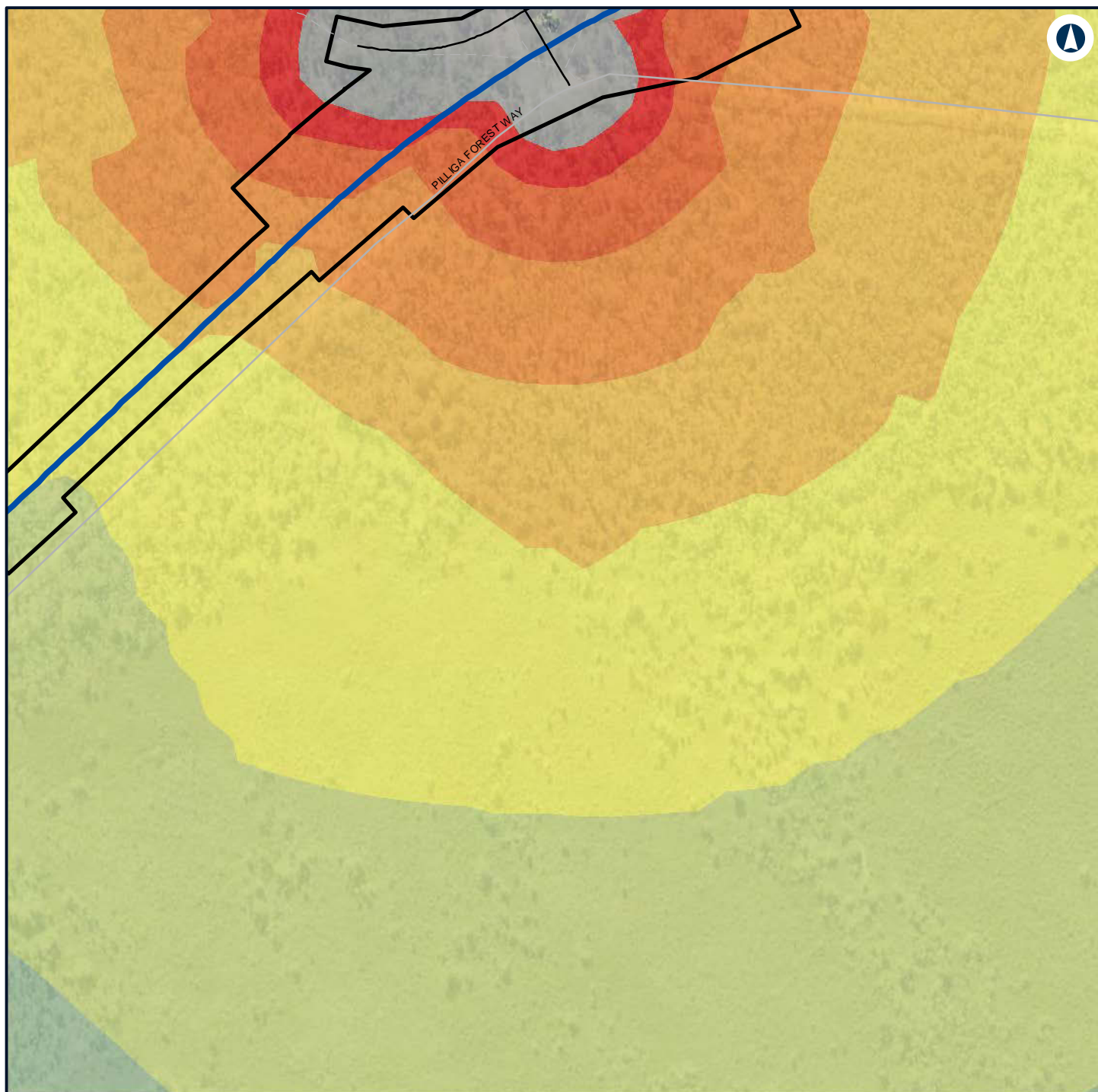
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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
Noise level (dBA L	65 - 70
Aeq 15 minute)	70 - 75
40 - 45	> 75
45 - 50	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

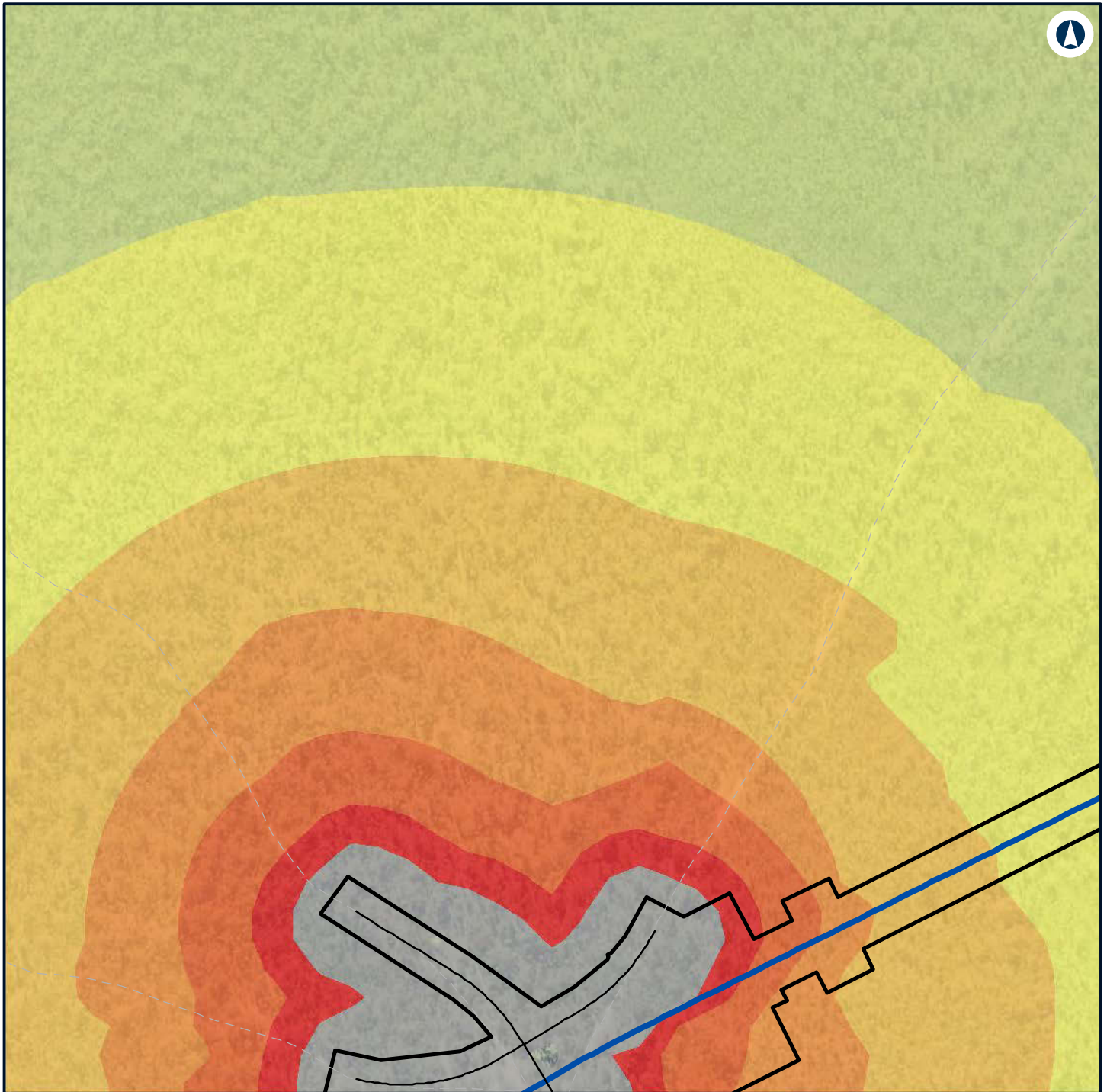
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LEGEND

-  Alignment
-  Road design string
-  Construction footprint
-  Noise level (dBA L)
Aeq 15 minute
-  45 - 50
-  50 - 55
-  55 - 60
-  60 - 65
-  65 - 70
-  70 - 75
-  > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

Appendix G - Page 466 of 554

0 0.1 0.2
Km

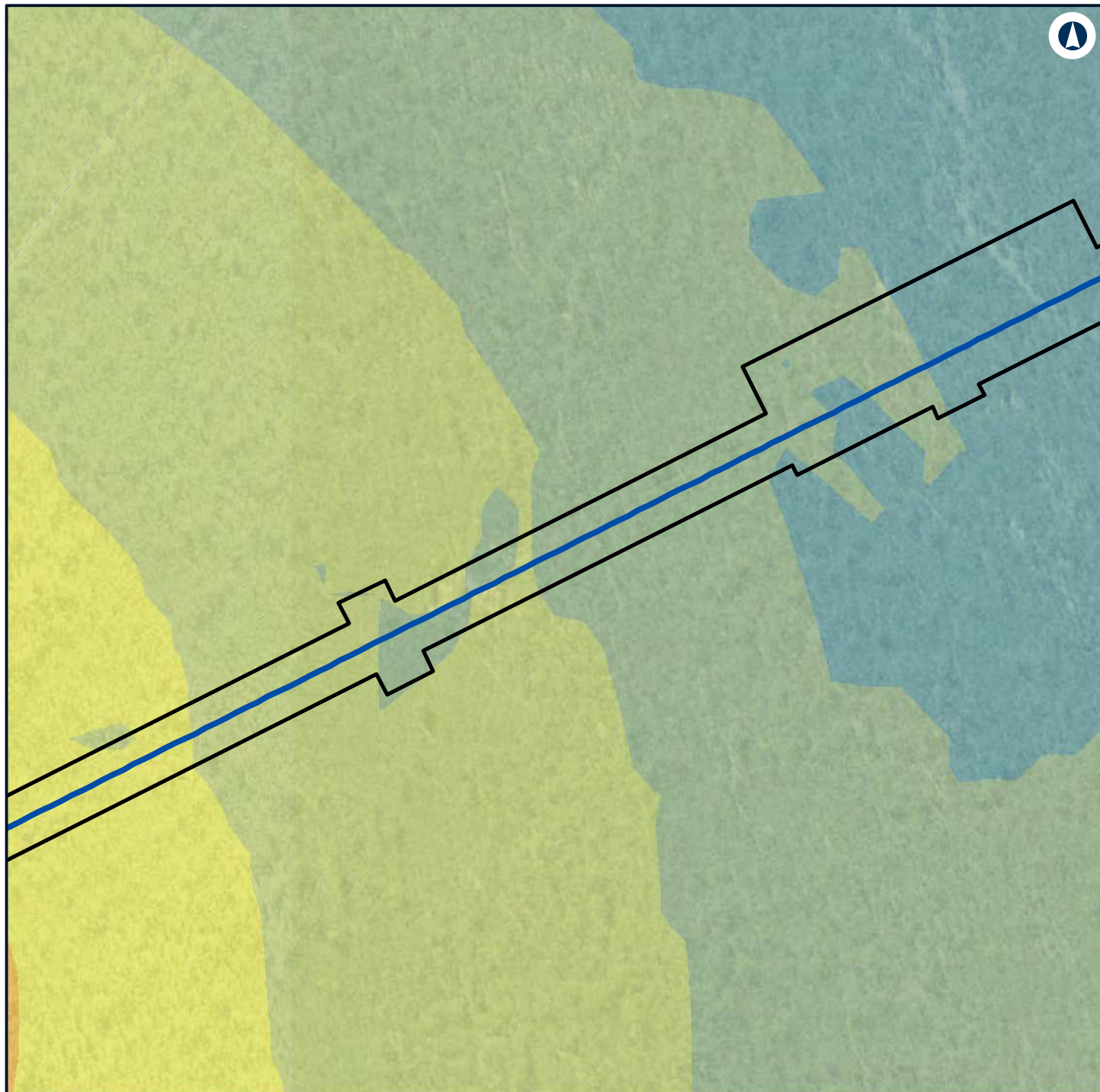
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

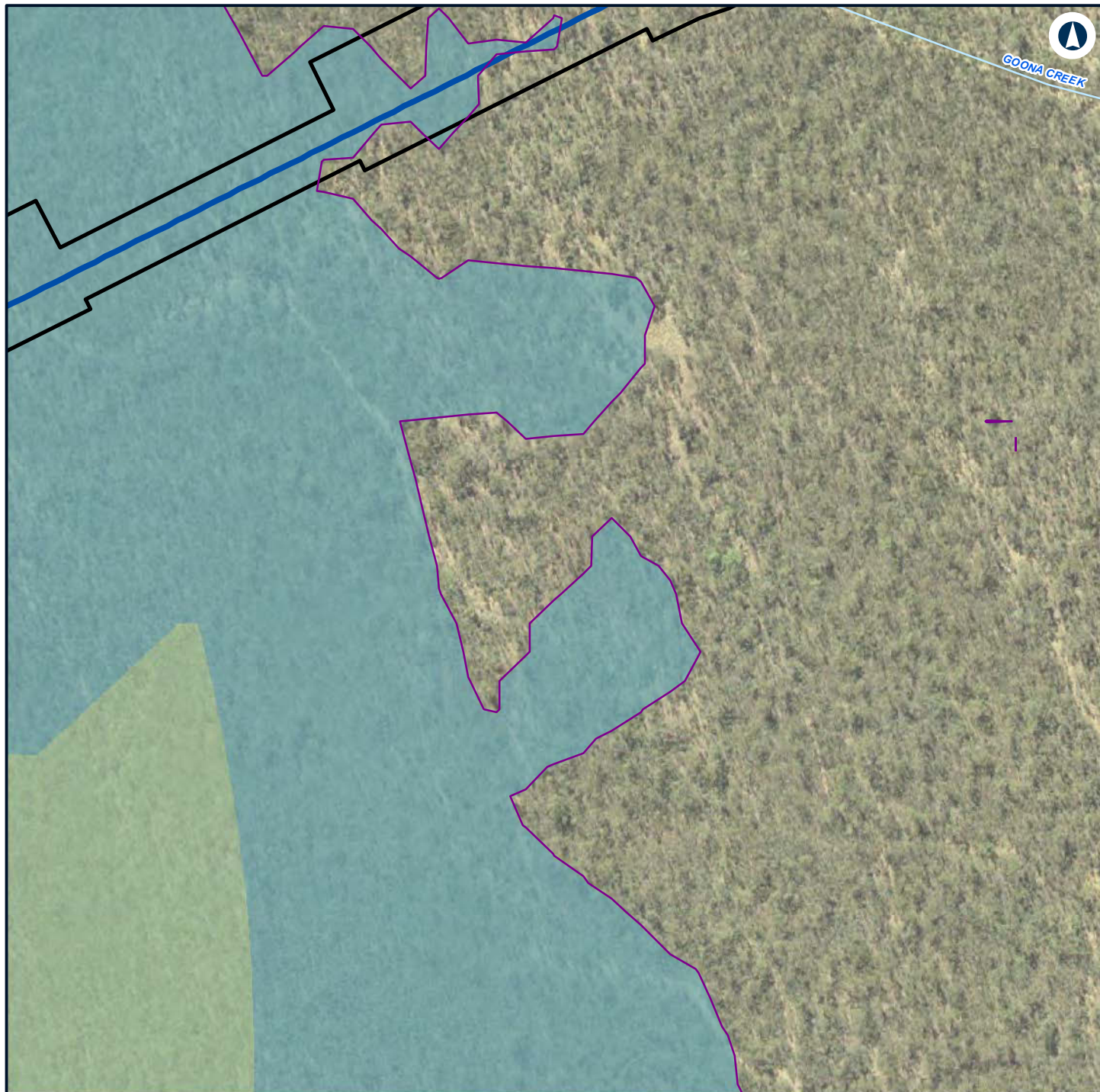
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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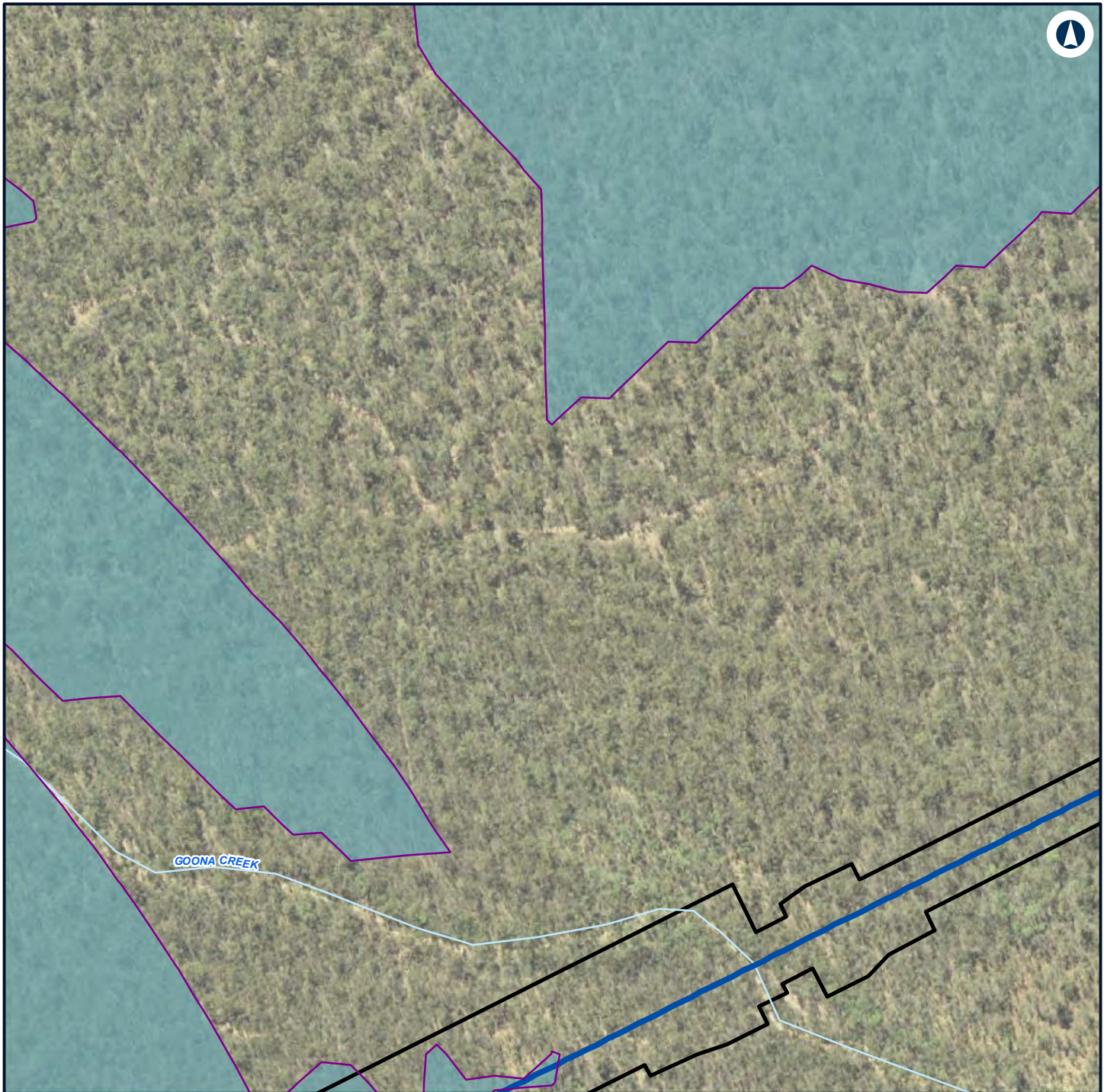
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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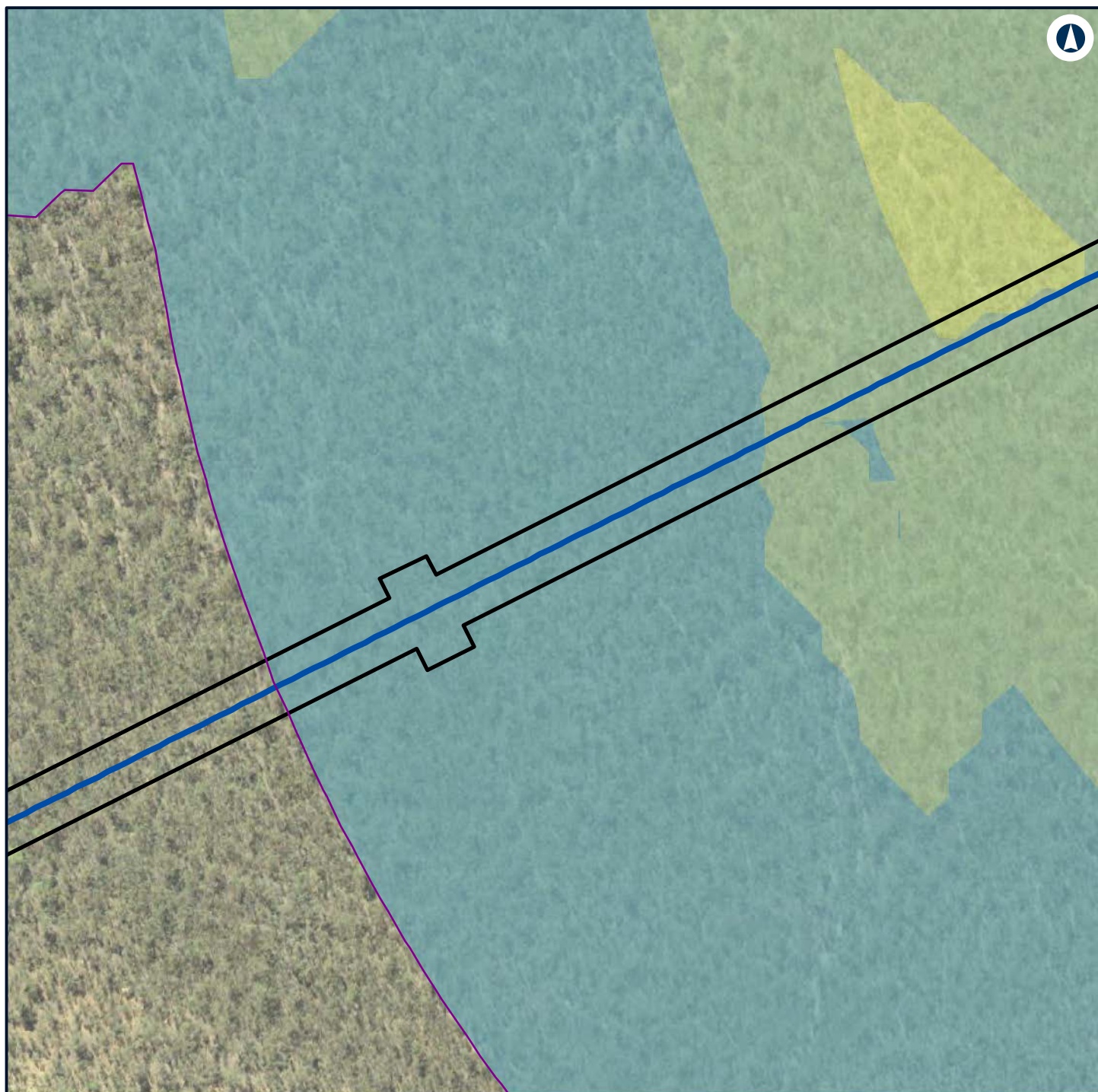
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Km

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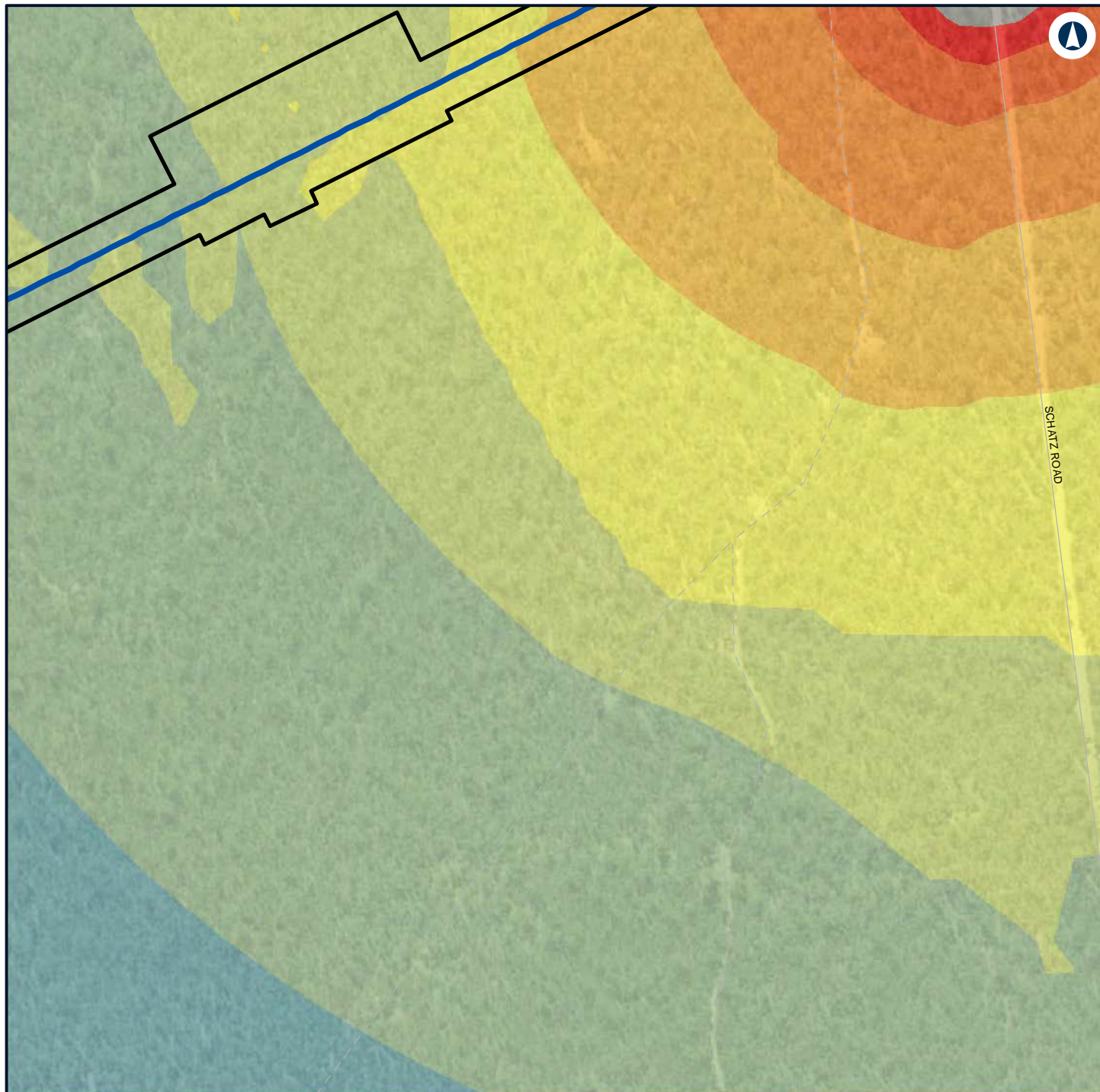
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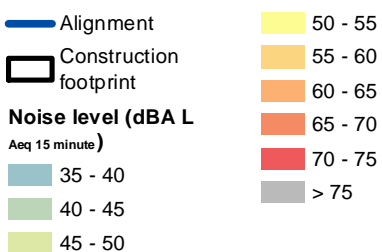
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

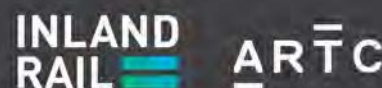
Appendix G - Page 471 of 554



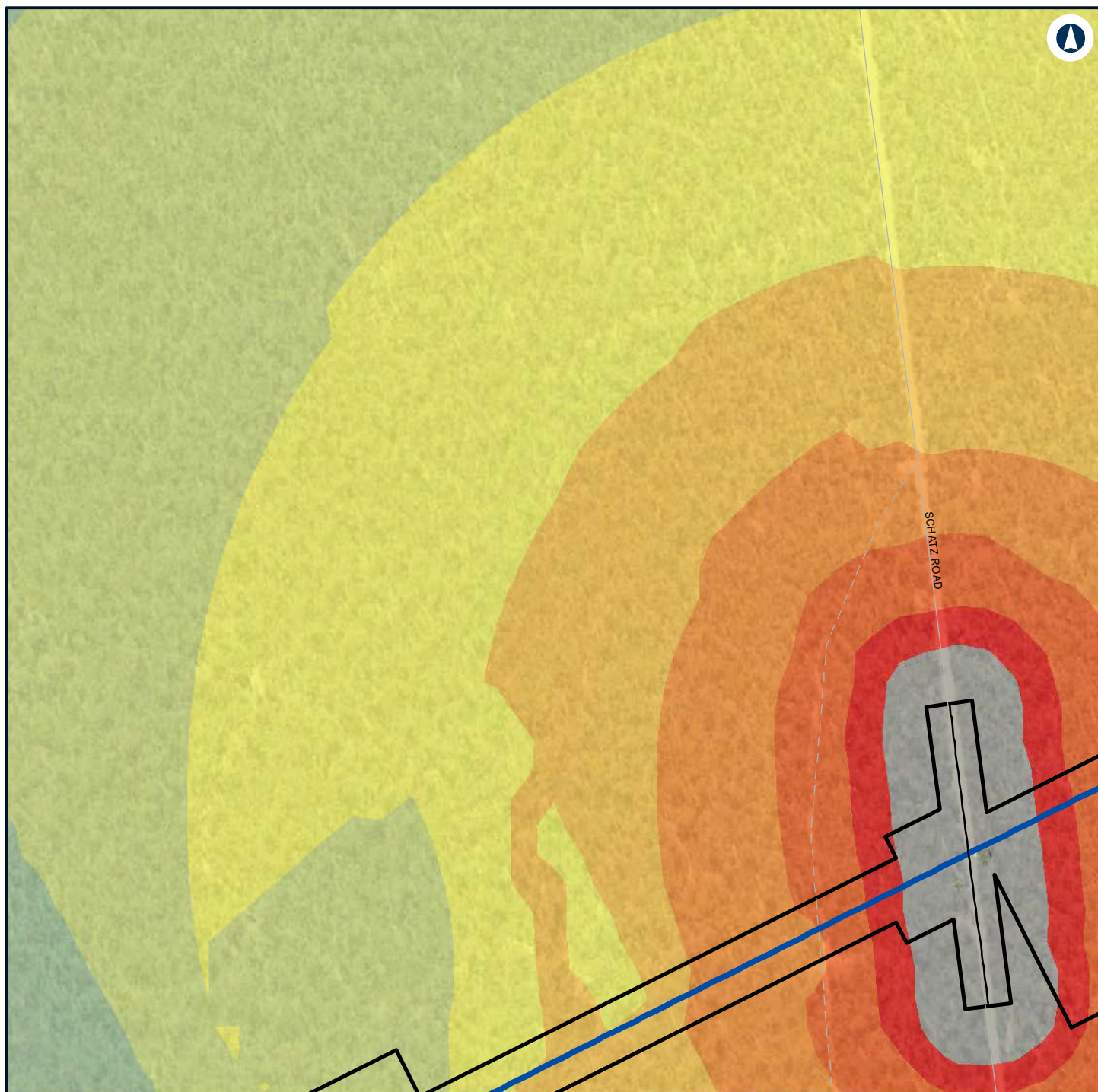
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LEGEND

	Alignment		50 - 55
	Road design string		55 - 60
	Construction footprint		60 - 65
			65 - 70
			70 - 75
			> 75
	Noise level (dBA L Aeq 15 minute)		
	40 - 45		
	45 - 50		



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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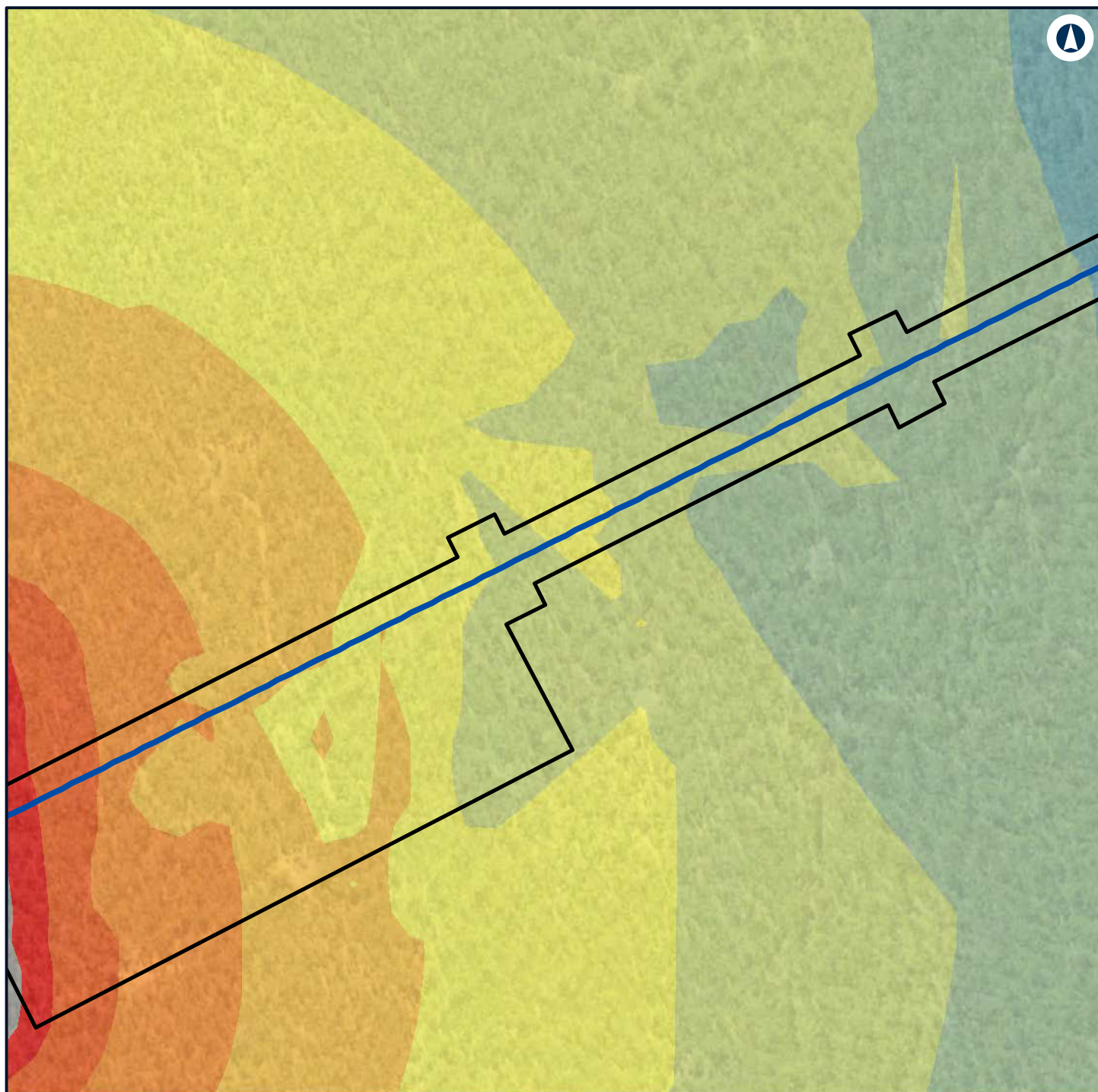
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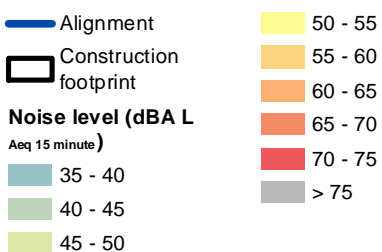
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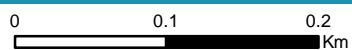
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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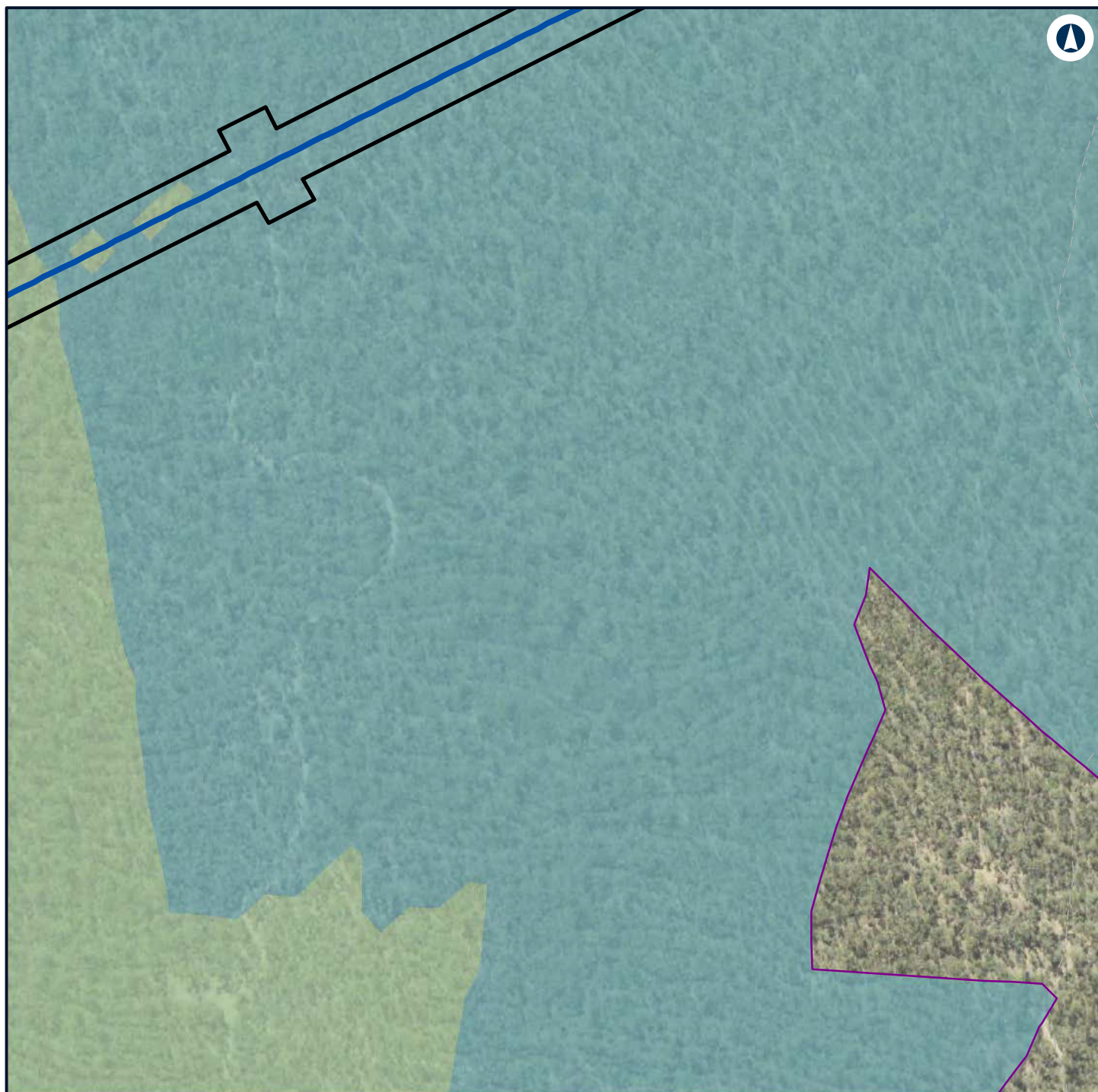
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Alignment

Construction footprint

Noise level (dBA L
Aeq 15 minute)

35 - 40

40 - 45

45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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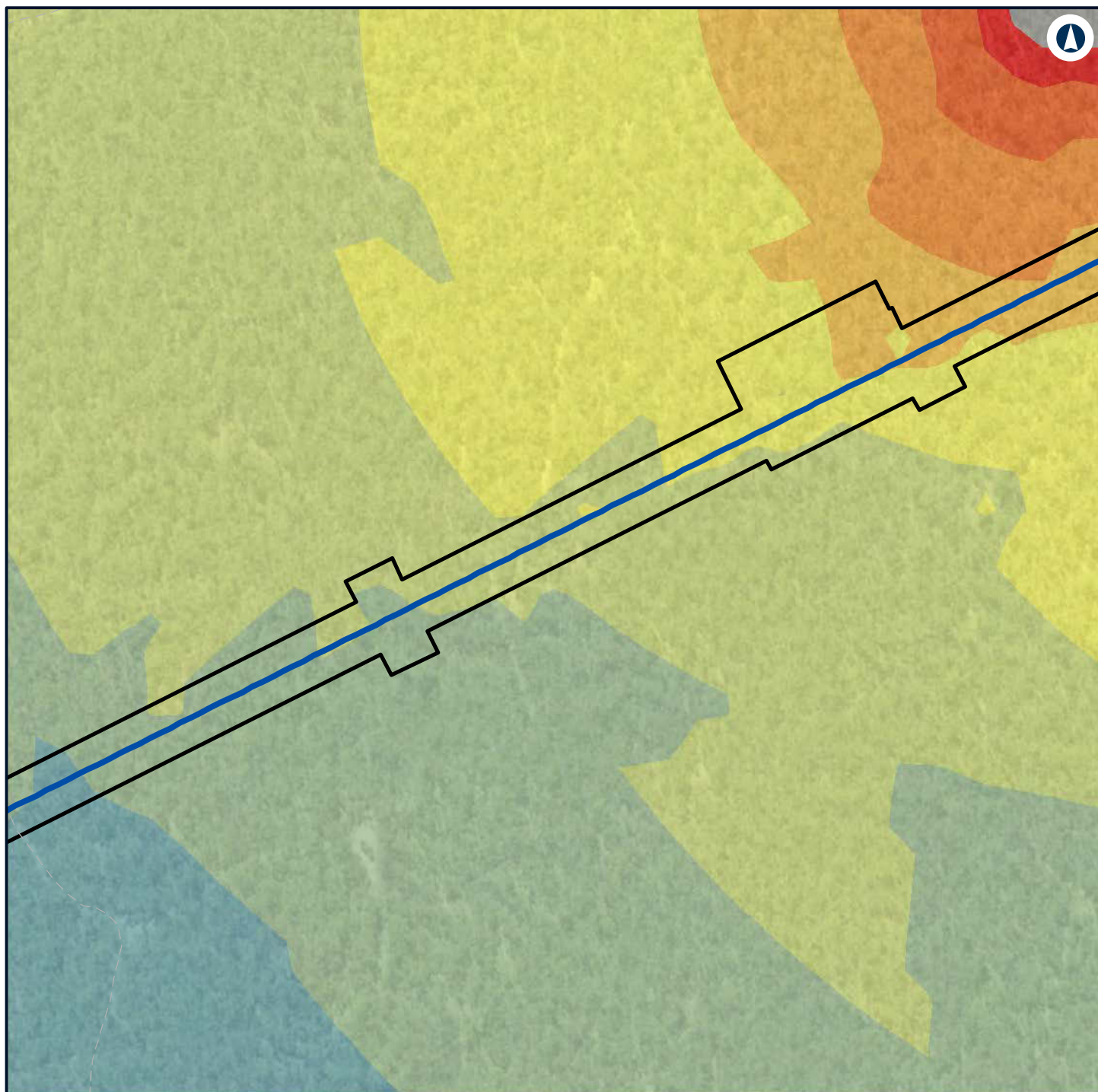
Author: GHD

Scale: 1:5,000

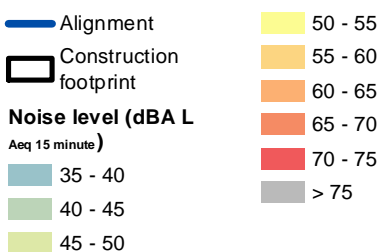
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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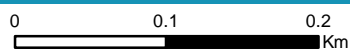
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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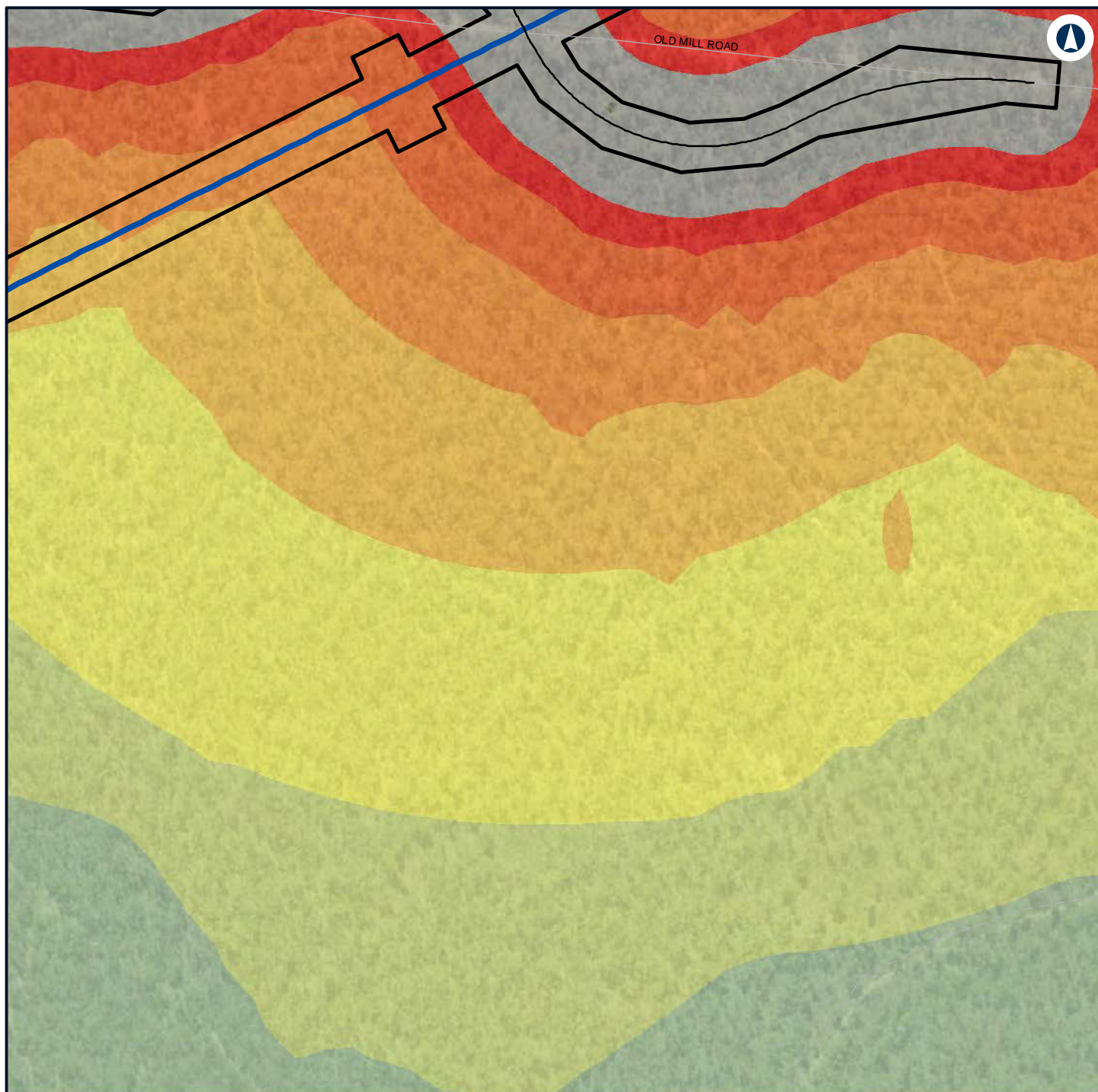
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LEGEND

- Alignment
 - Road design string
 - Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- | | | | |
|--|---------|--|---------|
| | 40 - 45 | | 50 - 55 |
| | 45 - 50 | | 55 - 60 |
| | | | 60 - 65 |
| | | | 65 - 70 |
| | | | 70 - 75 |
| | | | > 75 |



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

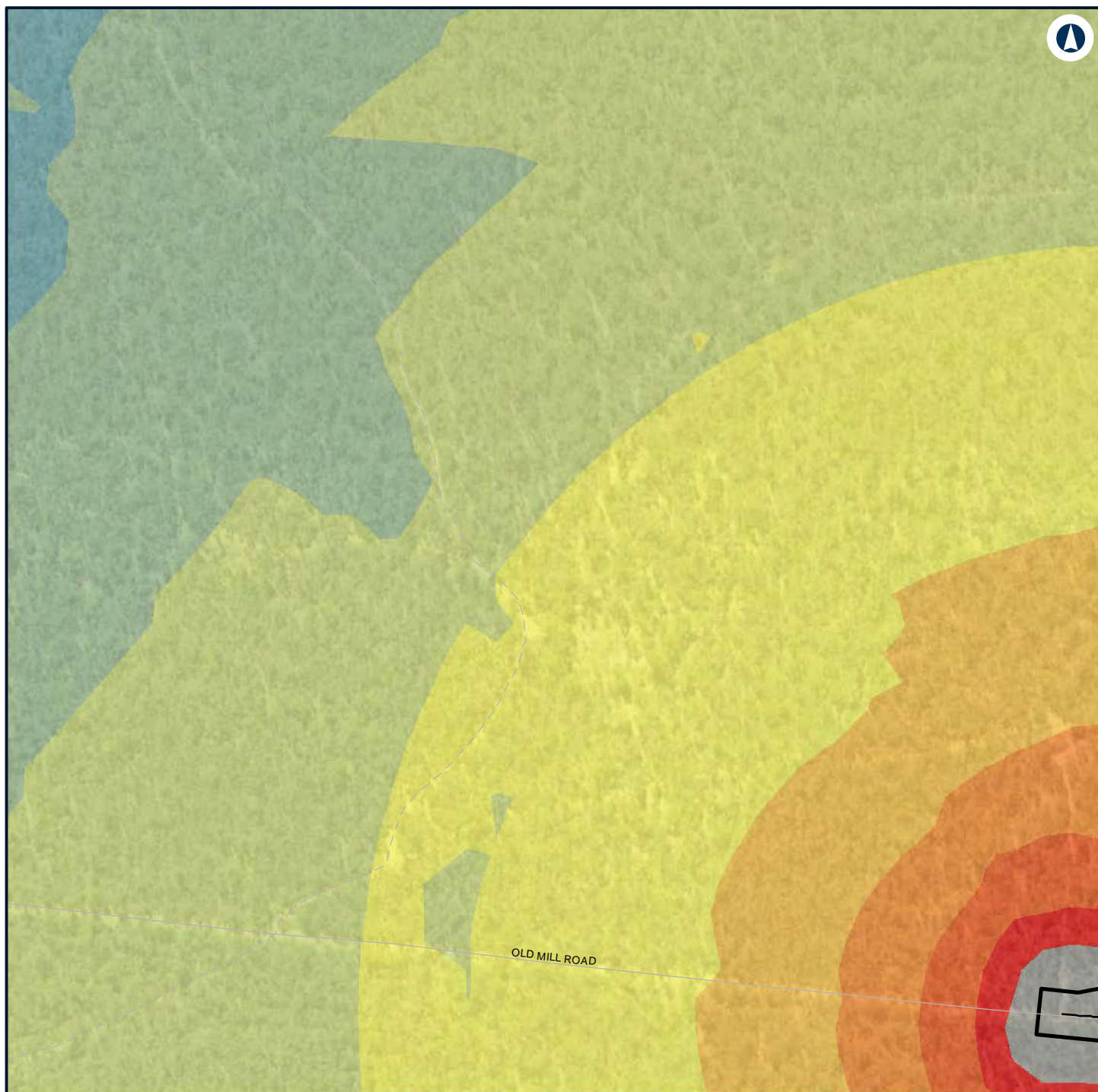
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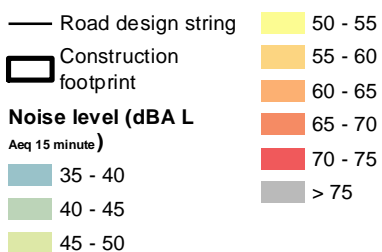
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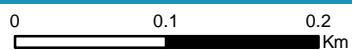
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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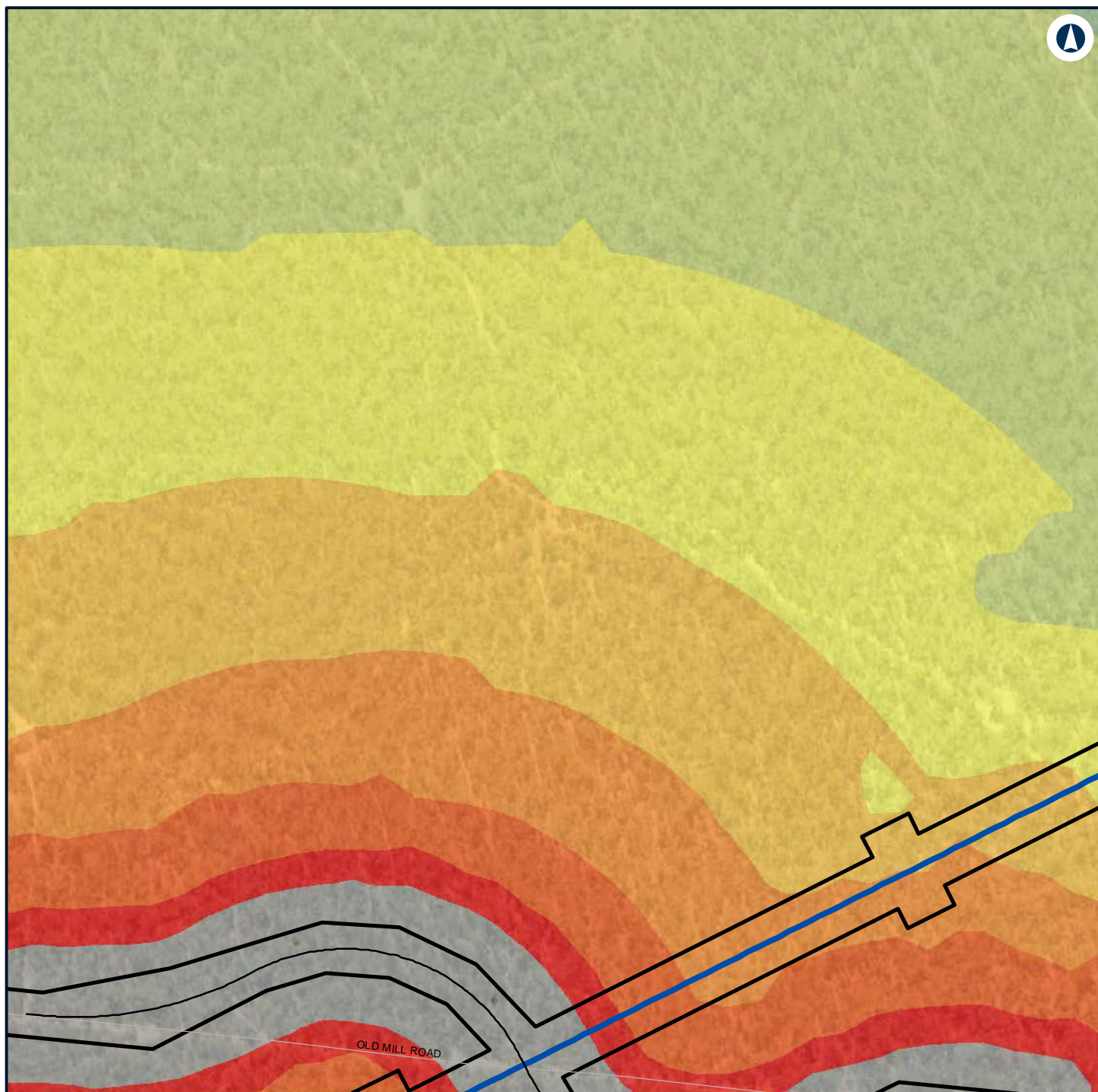
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LEGEND

Alignment	50 - 55
Road design string	55 - 60
Construction footprint	60 - 65
Noise level (dBA L Aeq 15 minute)	65 - 70
	70 - 75
	> 75
	40 - 45
	45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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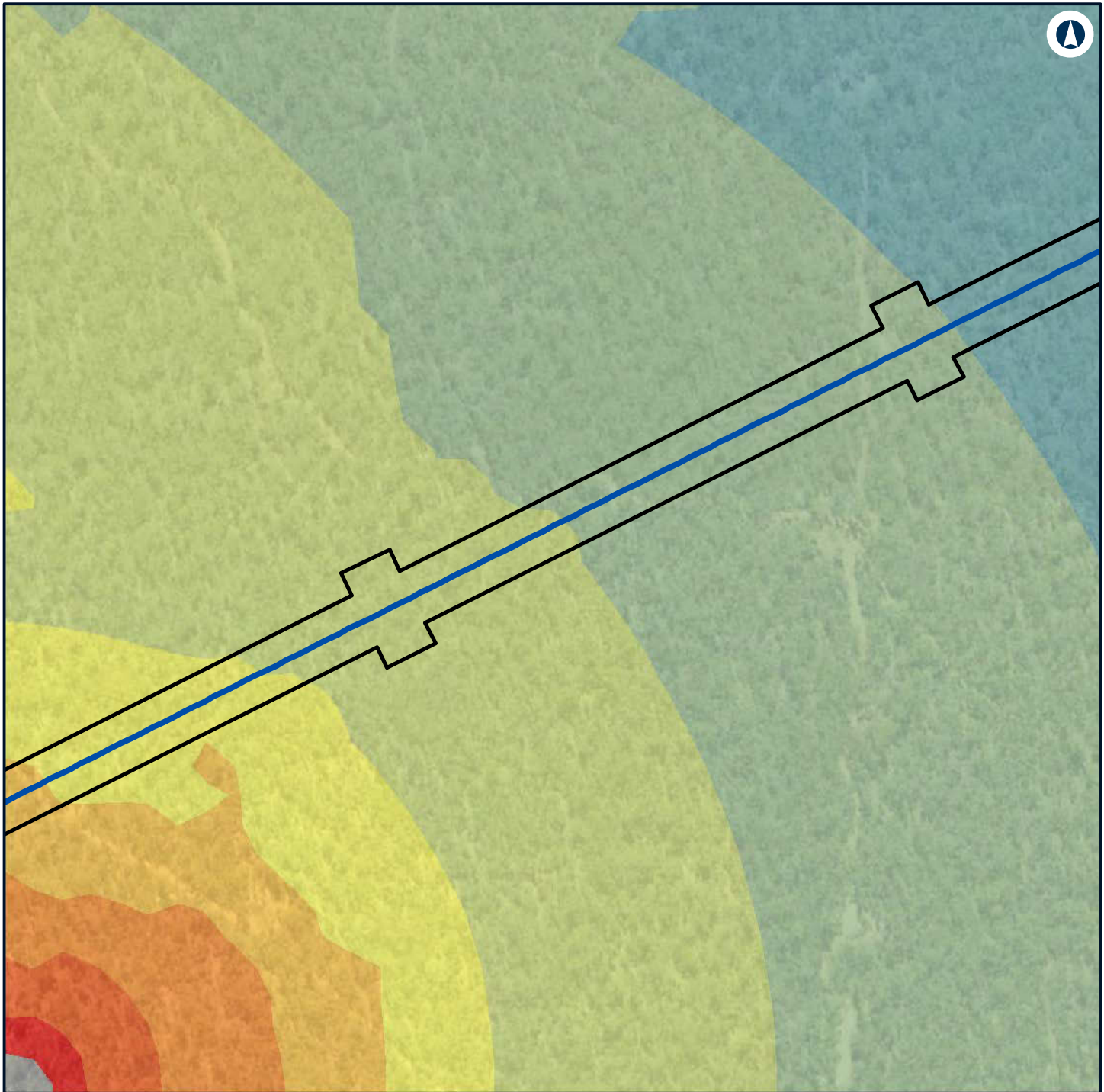
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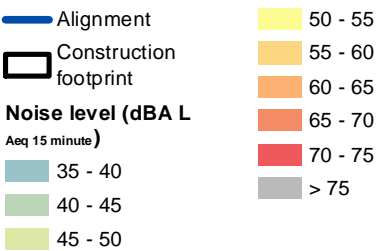
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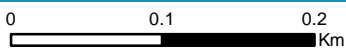
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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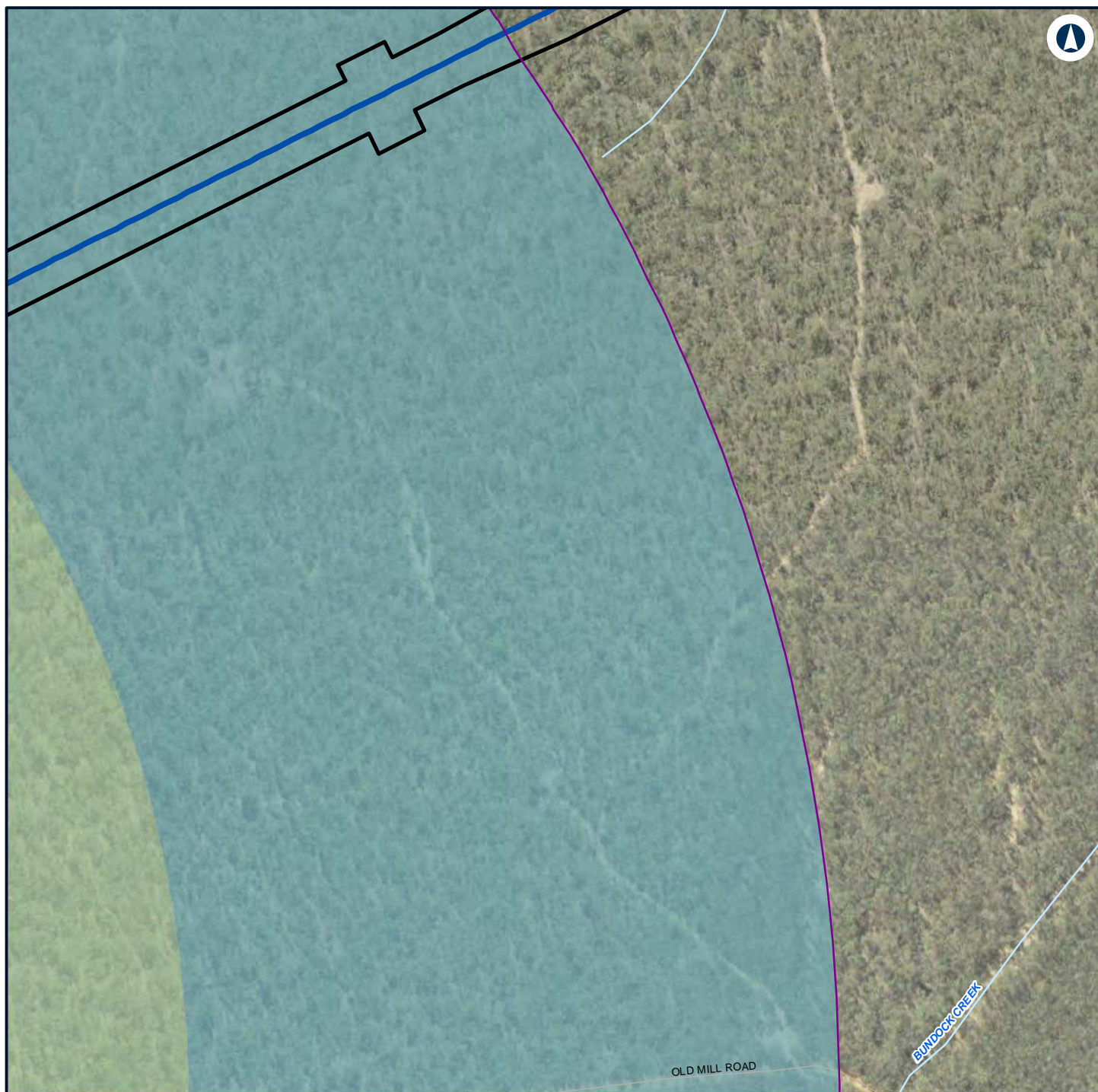
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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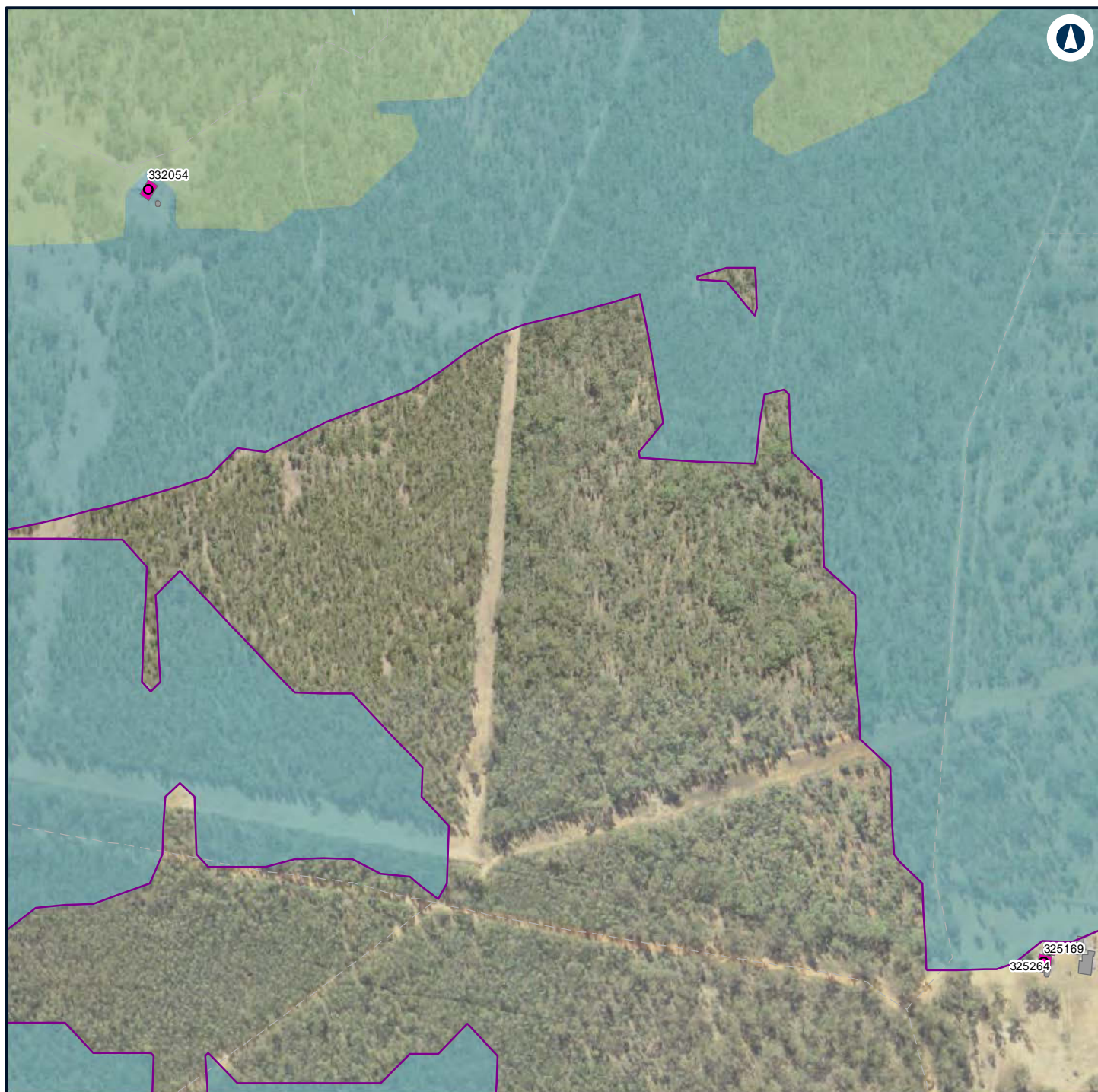
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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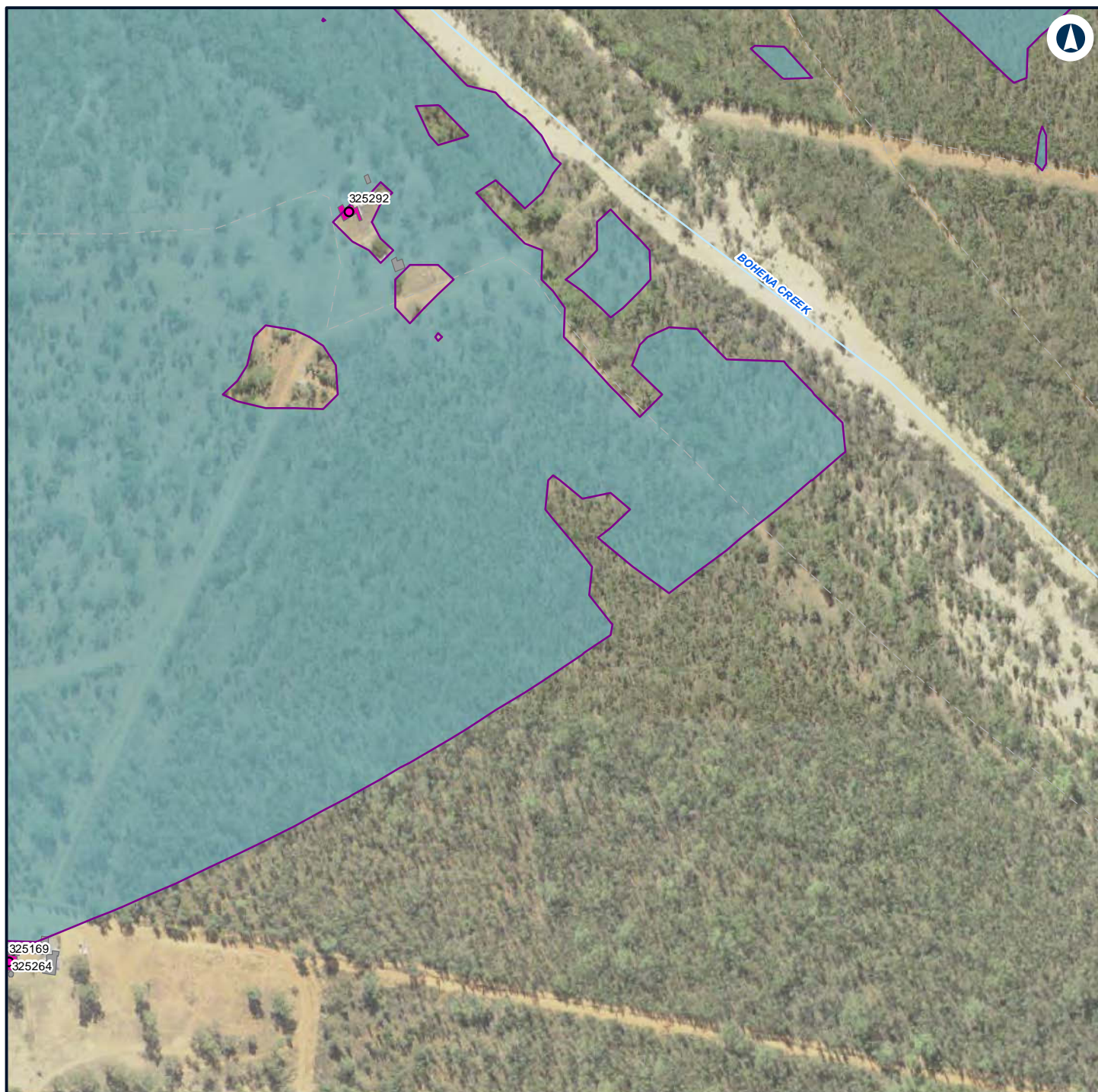
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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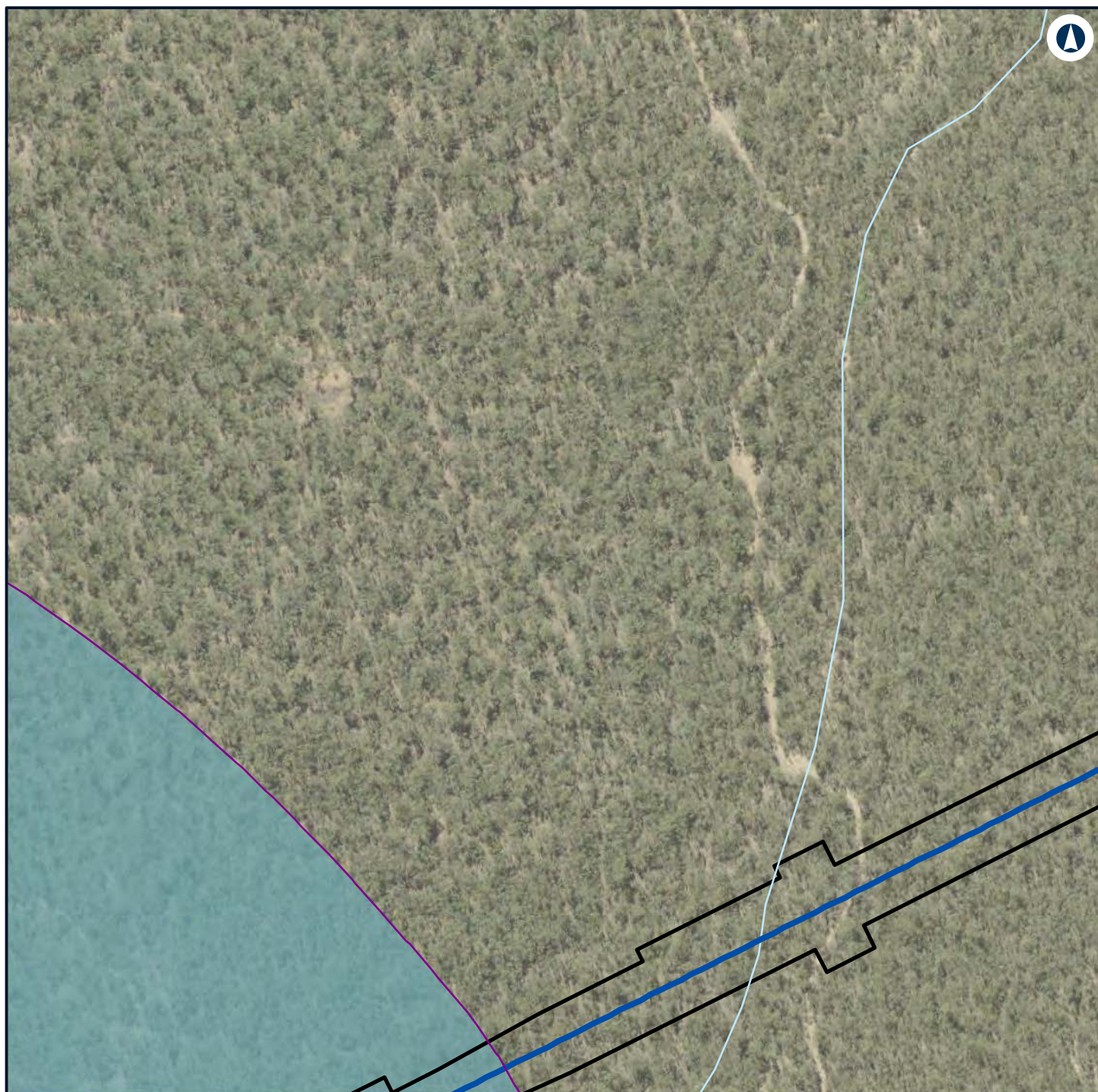
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Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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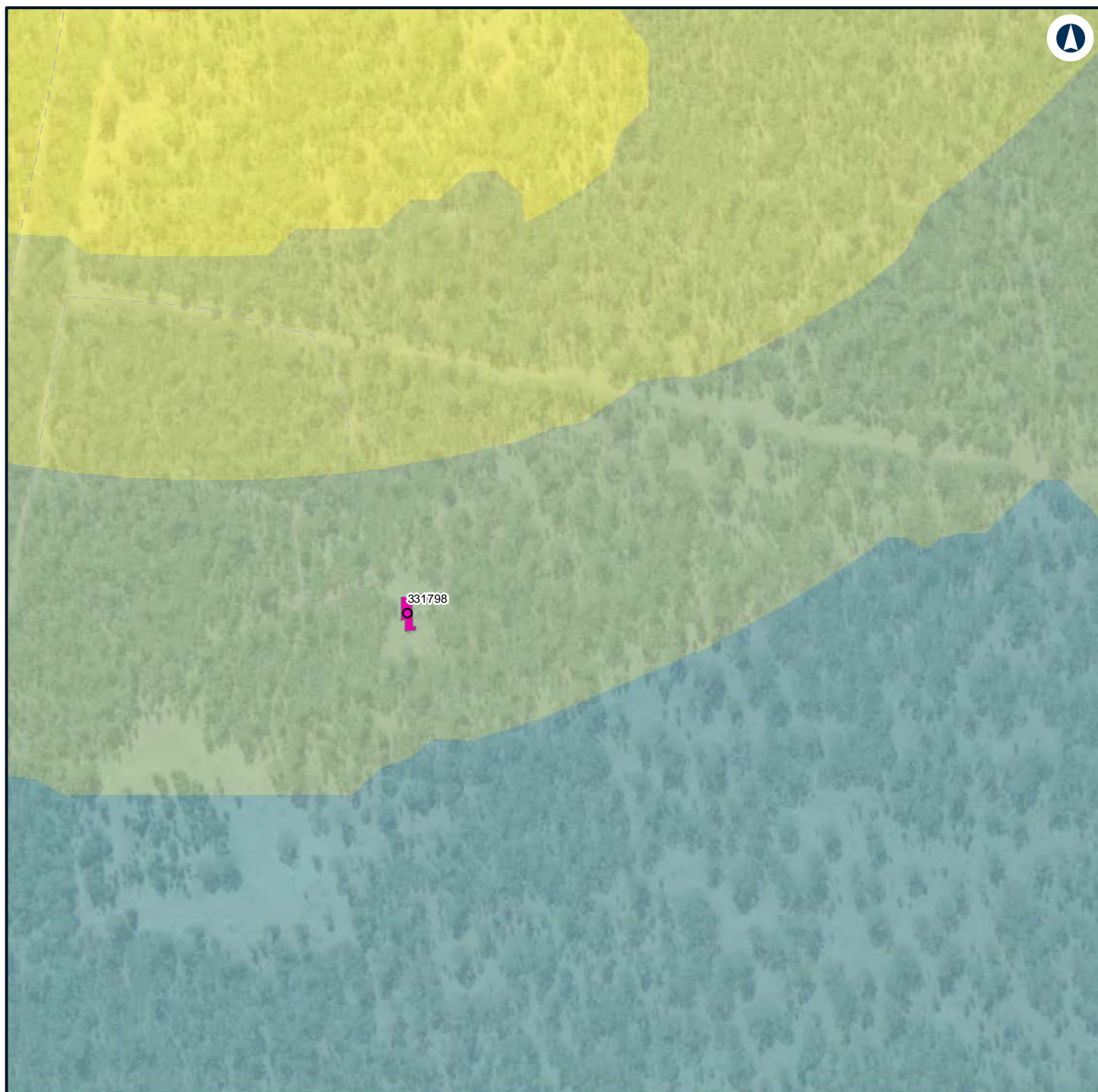
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

Structure type		45 - 50
● Residential		50 - 55
■ Residential		55 - 60

Noise level (dBA L

Aeq 15 minute)

	35 - 40
	40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

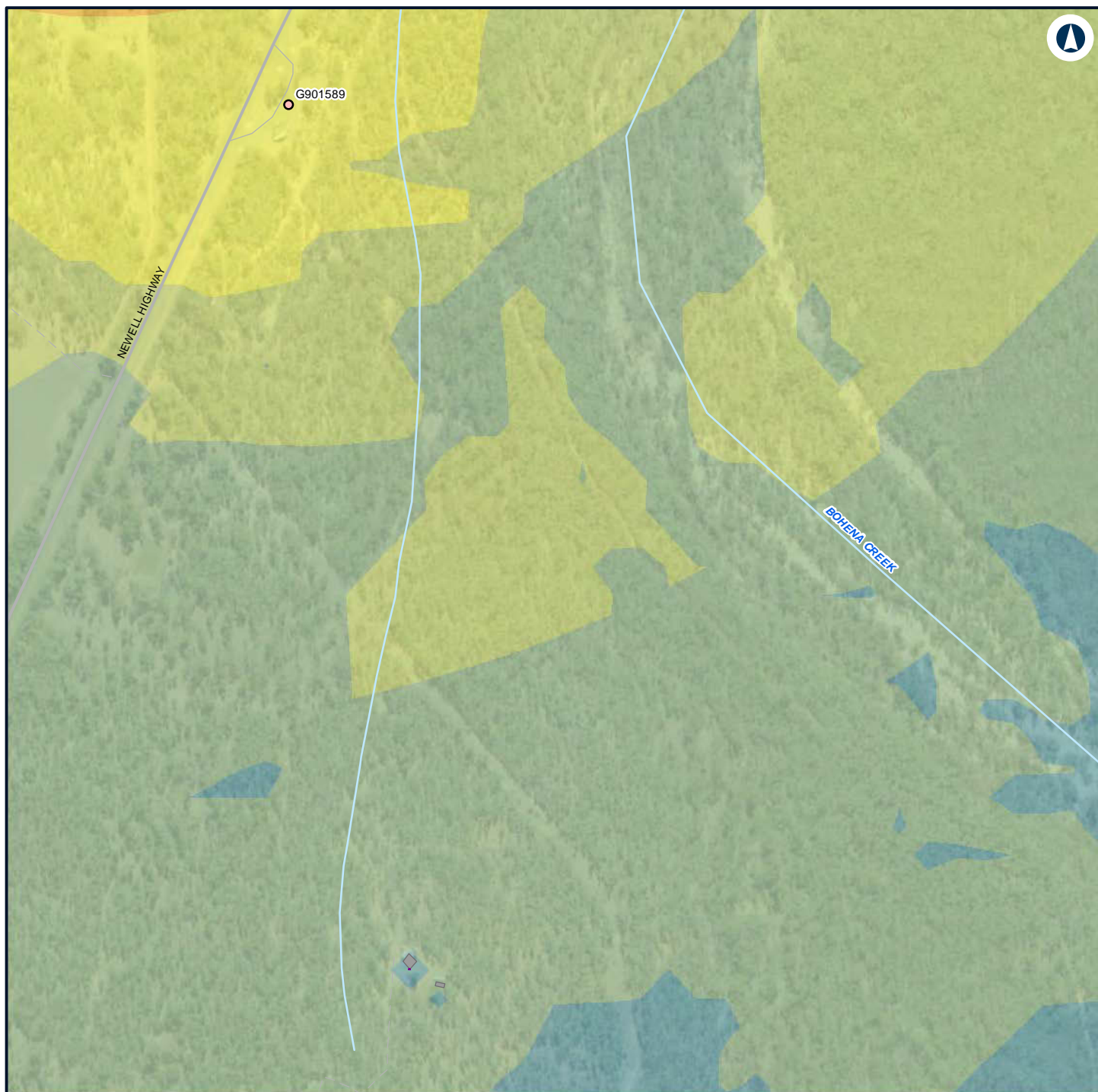
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LEGEND

Structure type

- Passive recreation
- Other
- Night-time noise management level

- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60

Noise level (dBA L

Aeq 15 minute)

- 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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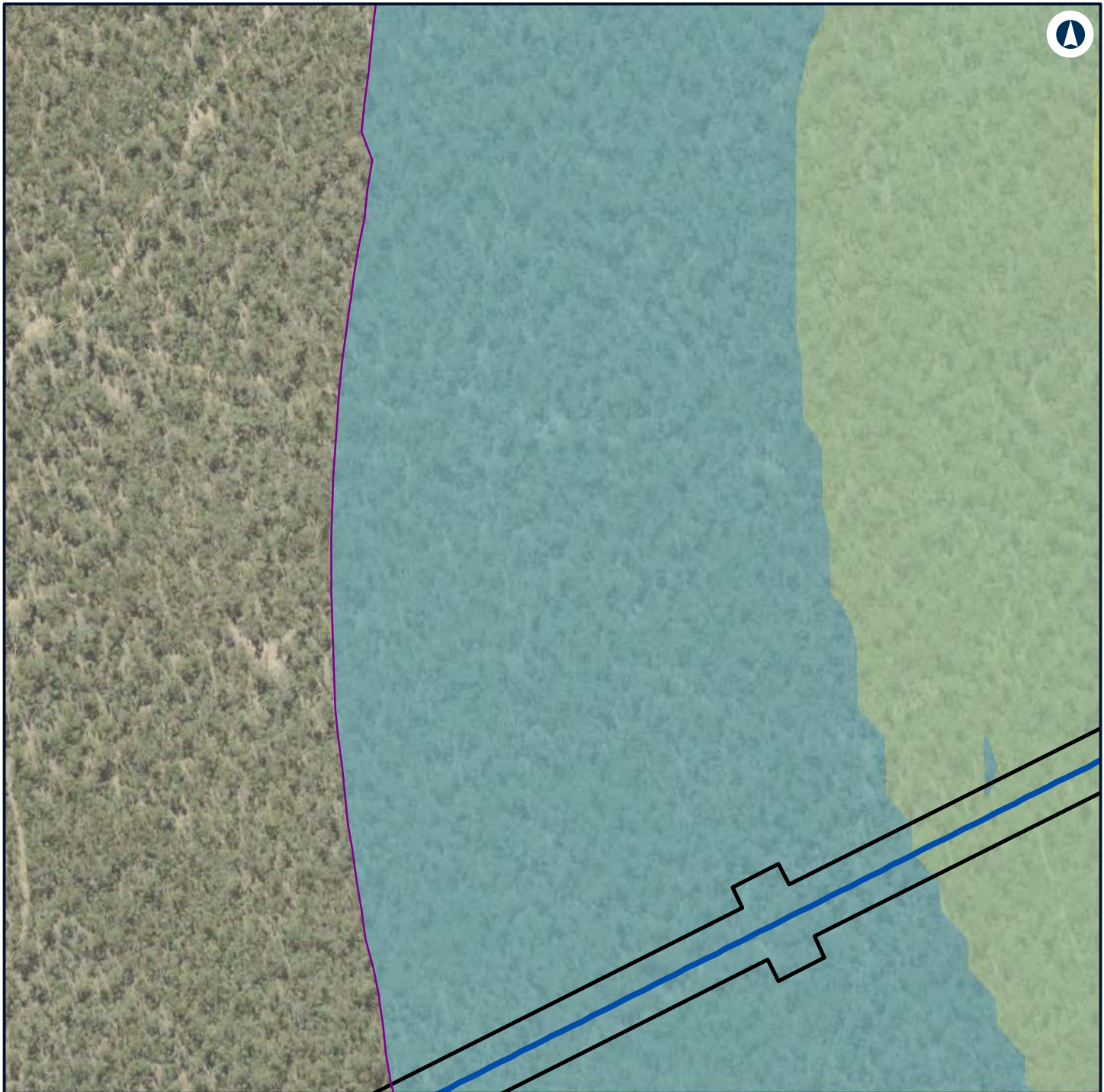
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Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level
- 40 - 45
- 45 - 50

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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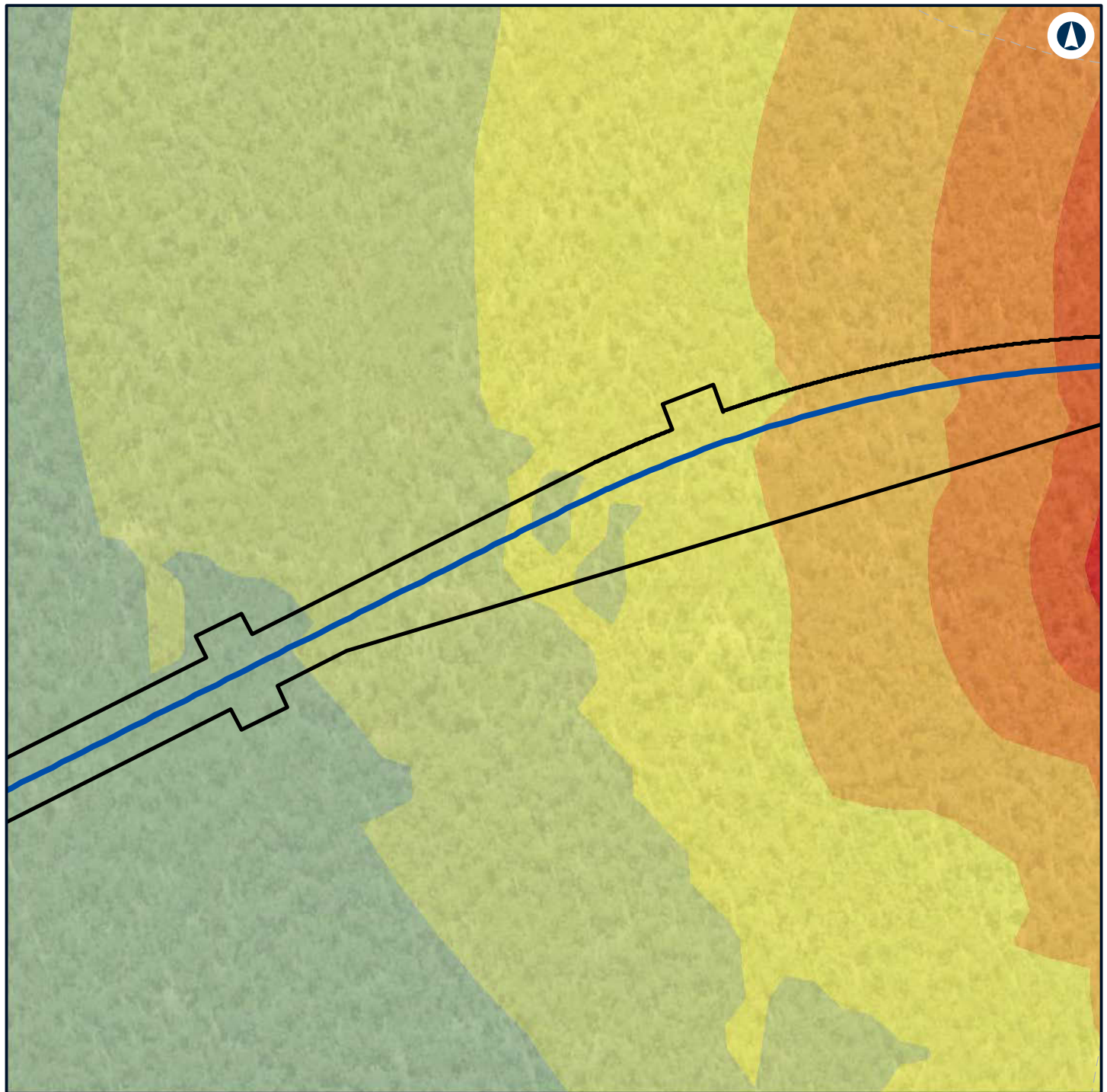
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LEGEND

- Alignment
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
 - 40 - 45
 - 45 - 50
 - 50 - 55
 - 55 - 60
 - 60 - 65
 - 65 - 70
 - 70 - 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

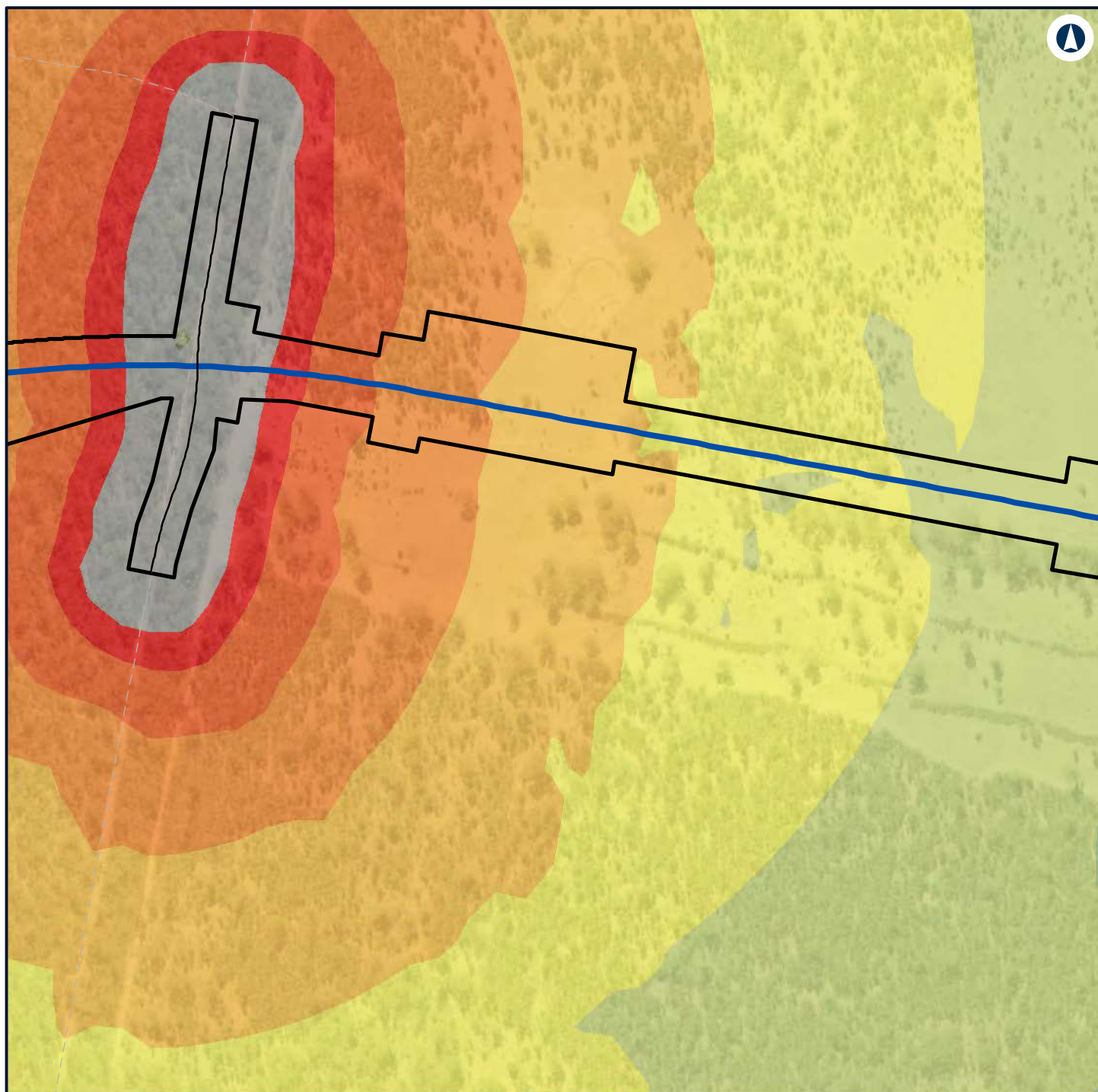
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

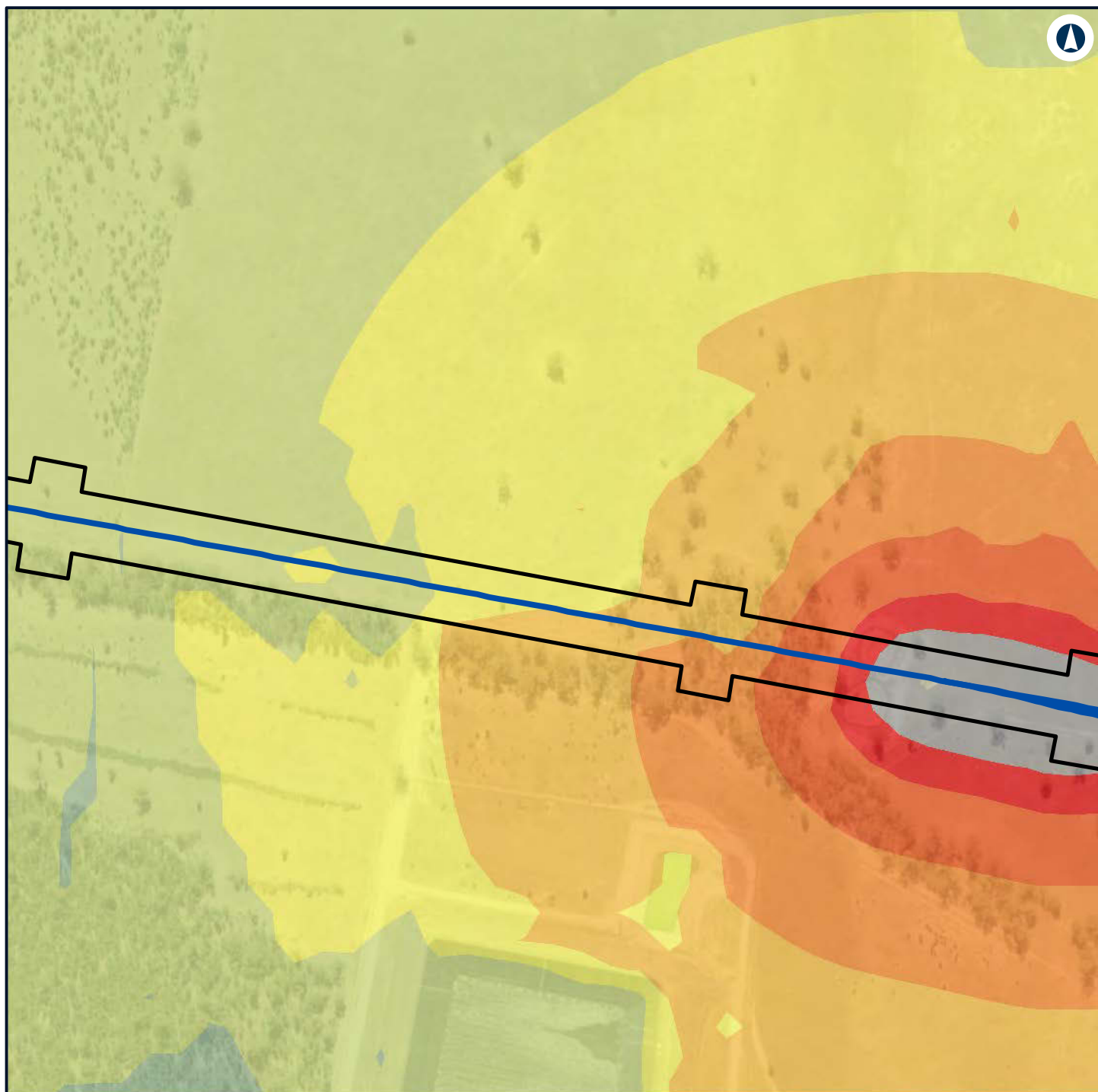
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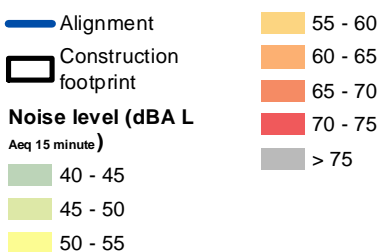
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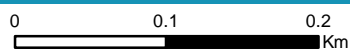
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NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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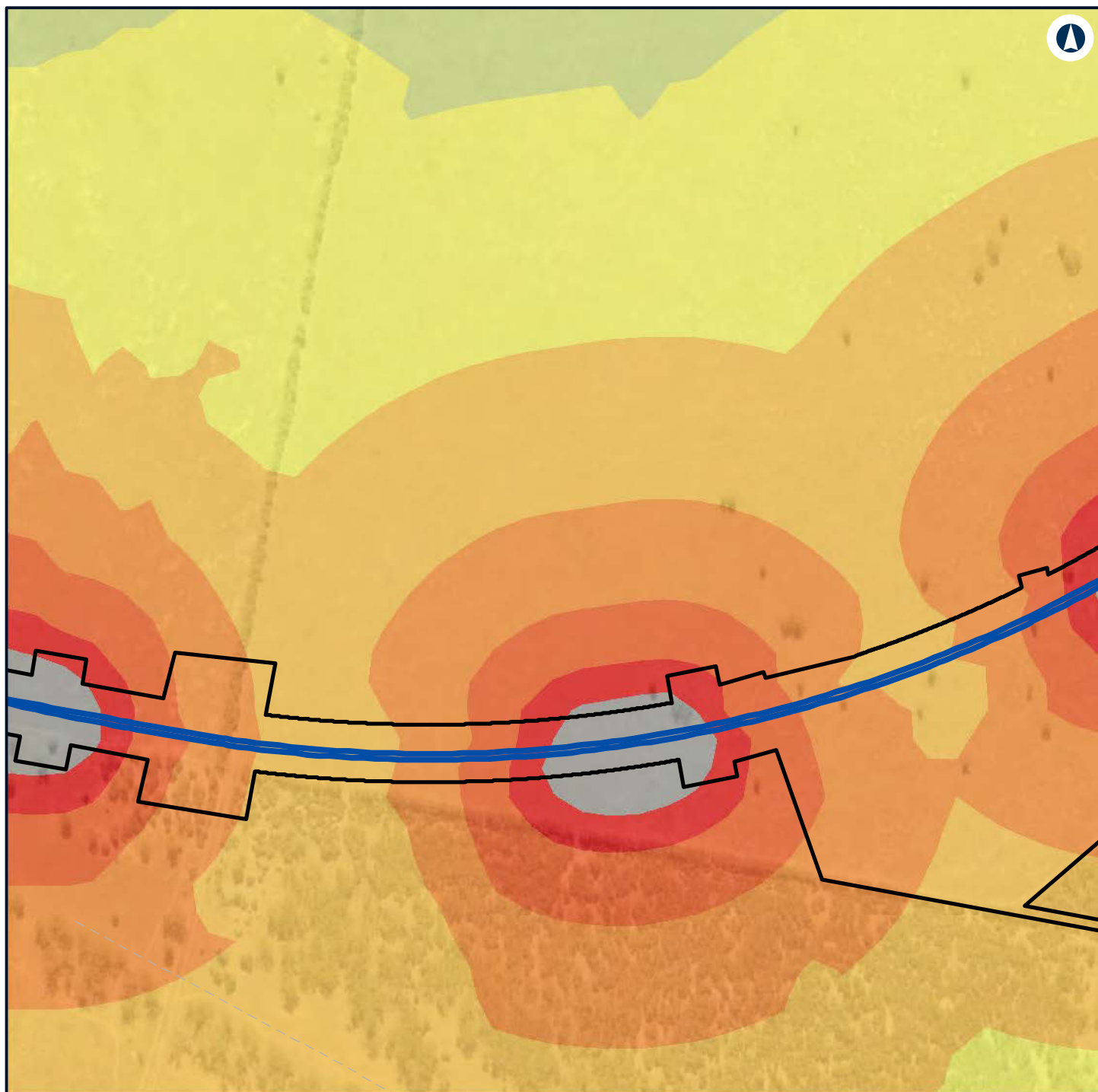
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LEGEND

- Alignment
- Construction footprint
- Noise level (dBA L Aeq 15 minute)**

- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

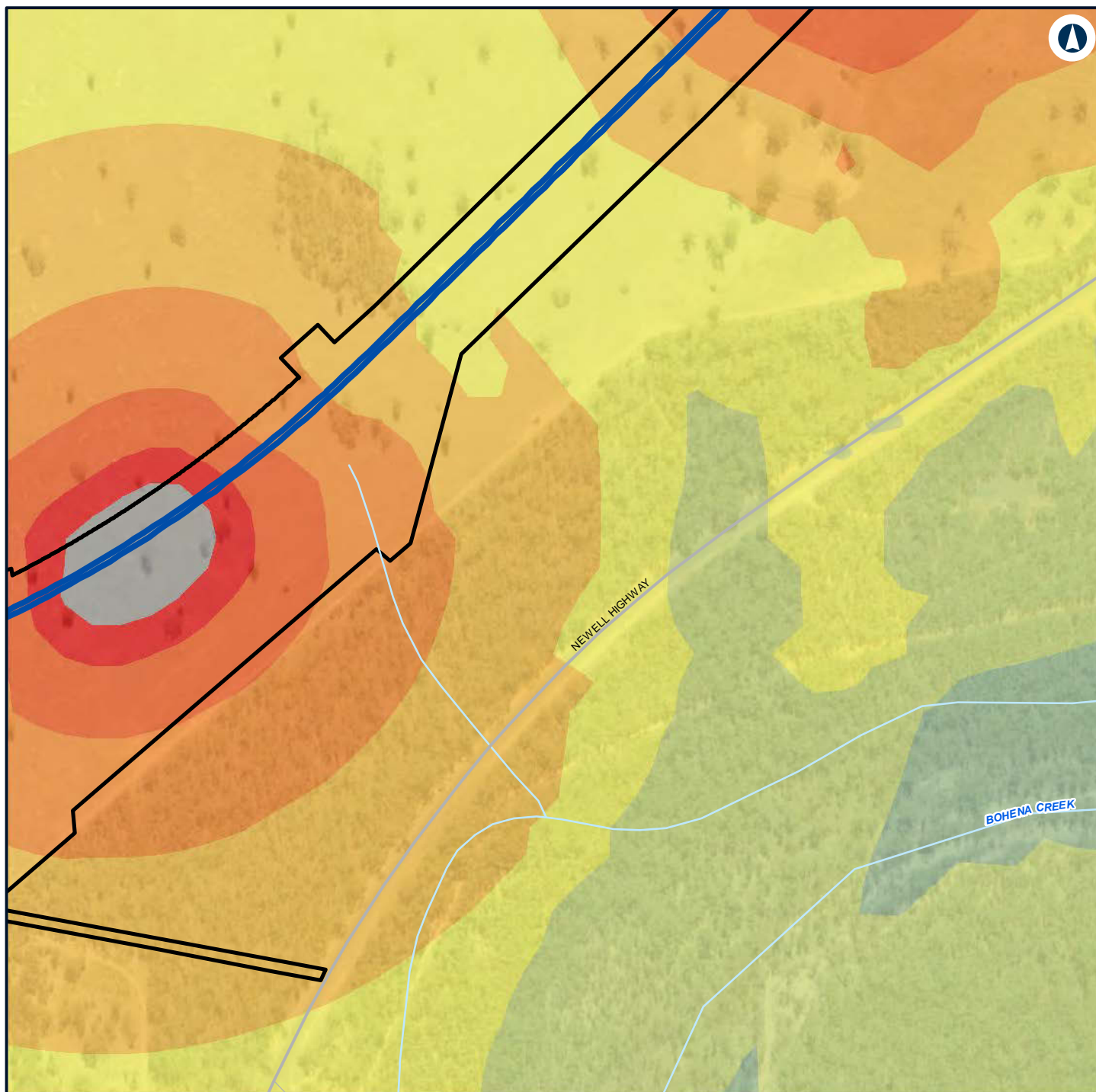
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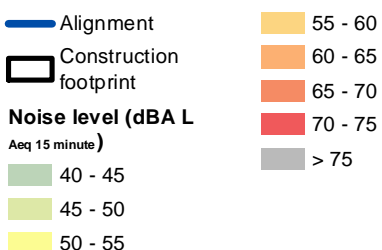
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Coordinate System: GDA 1994 MGA Zone 55

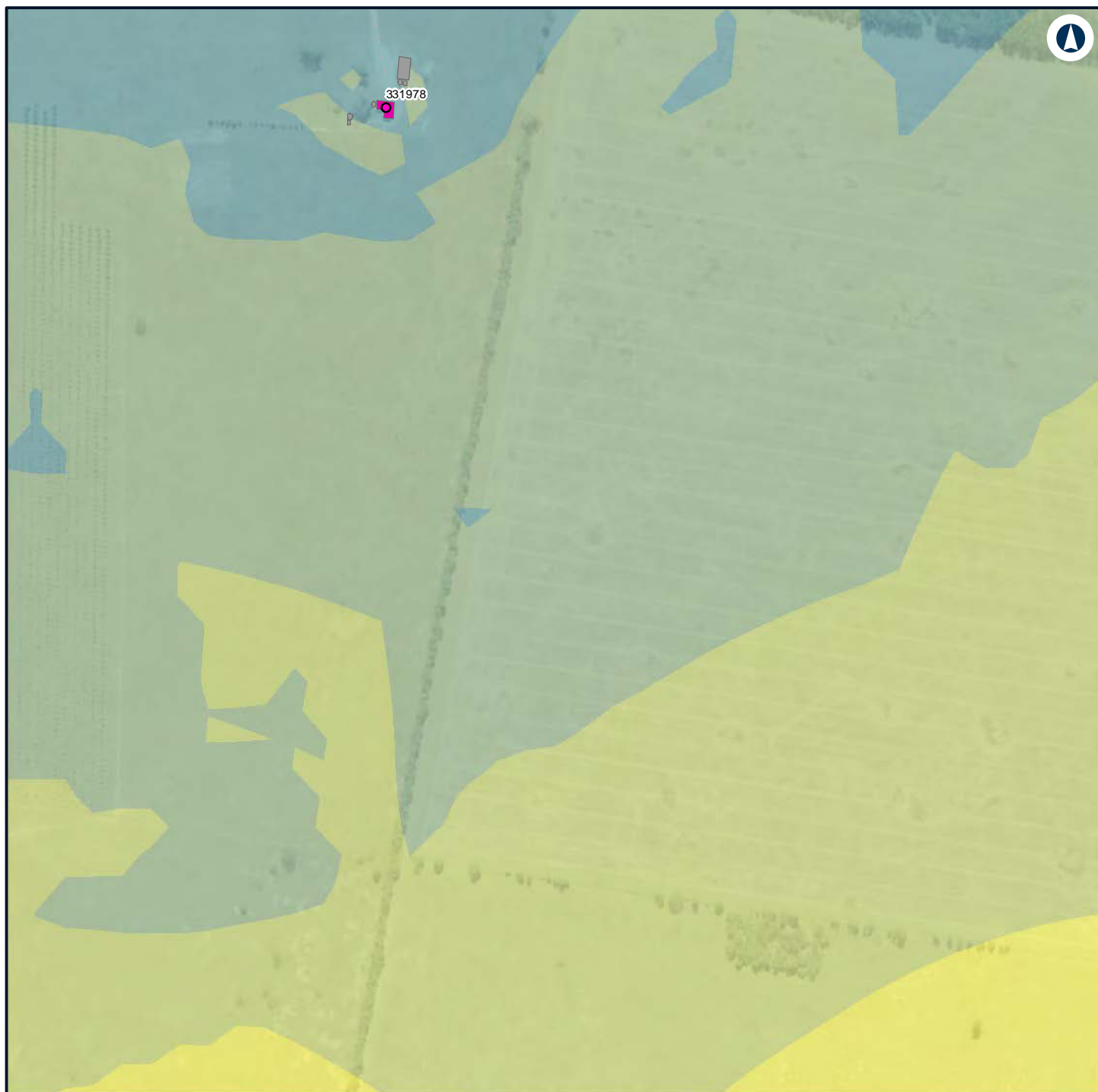
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LEGEND

Structure type		40 - 45
● Residential		45 - 50
■ Other		50 - 55
■ Residential		
Noise level (dBA L Aeq 15 minute)		
		35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

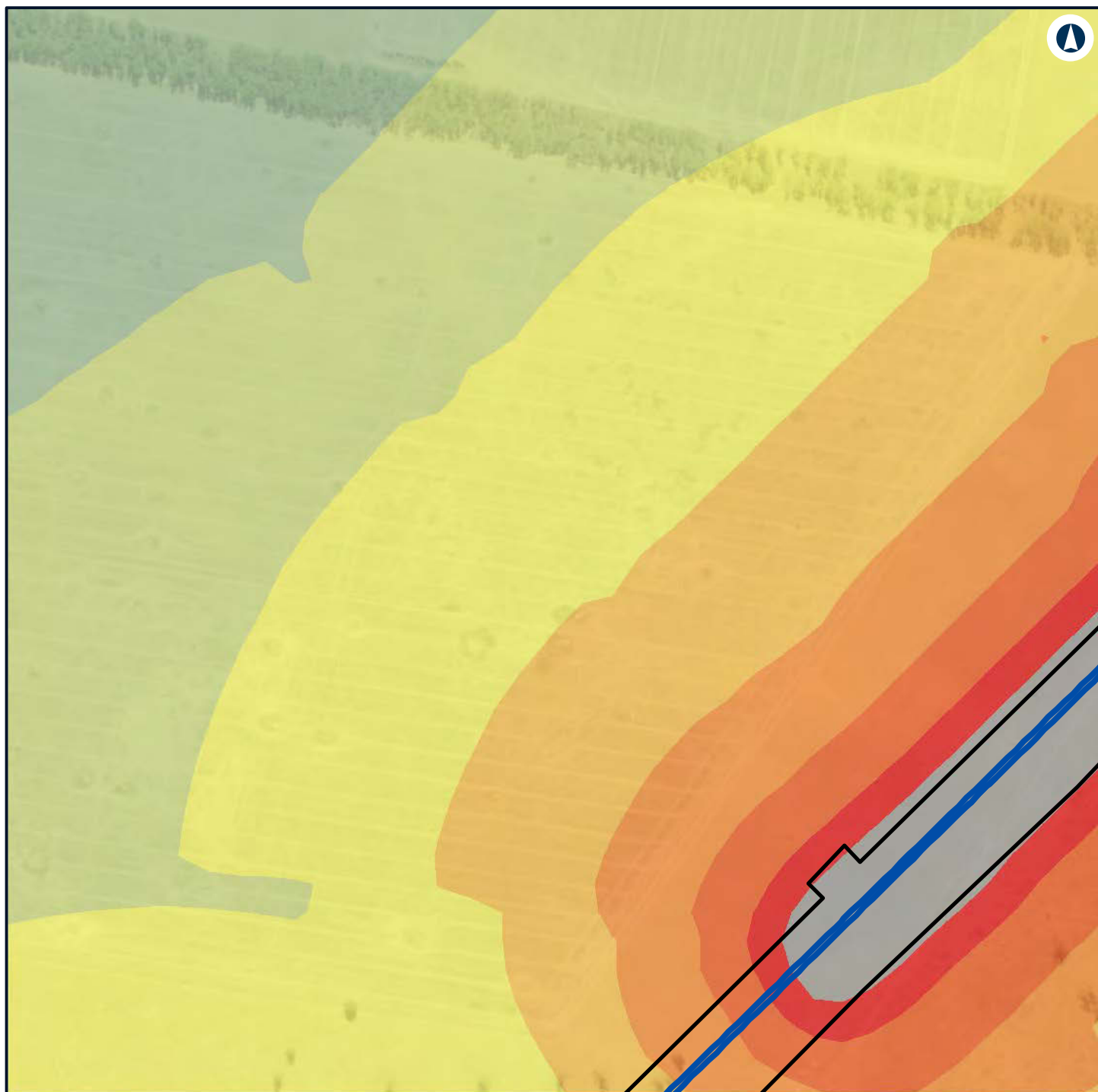
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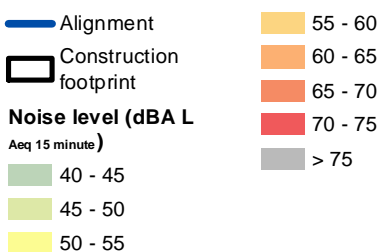
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Author: GHD Scale: 1:5,000
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

**INLAND
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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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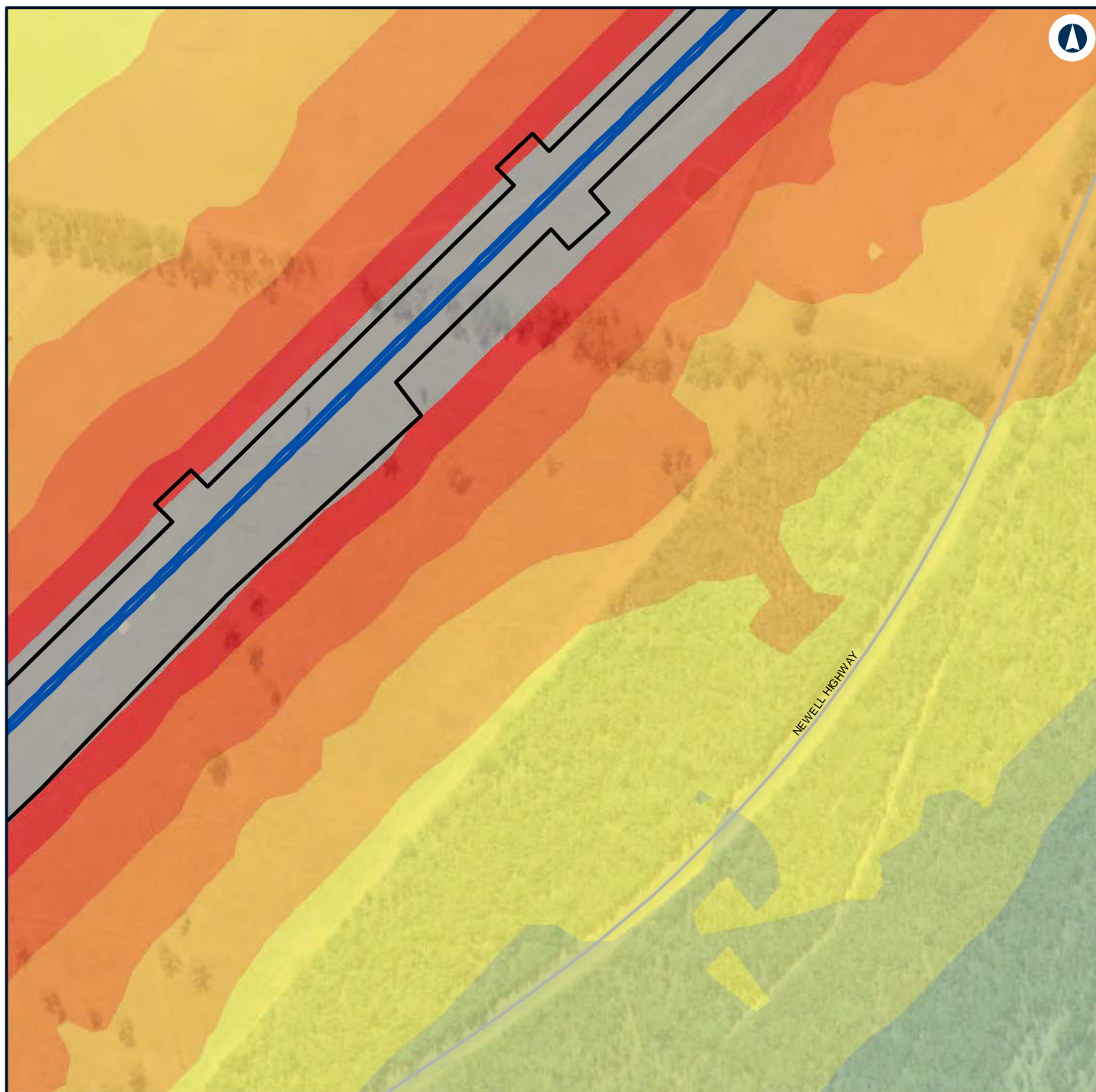
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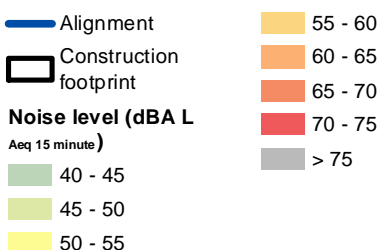
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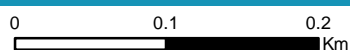
LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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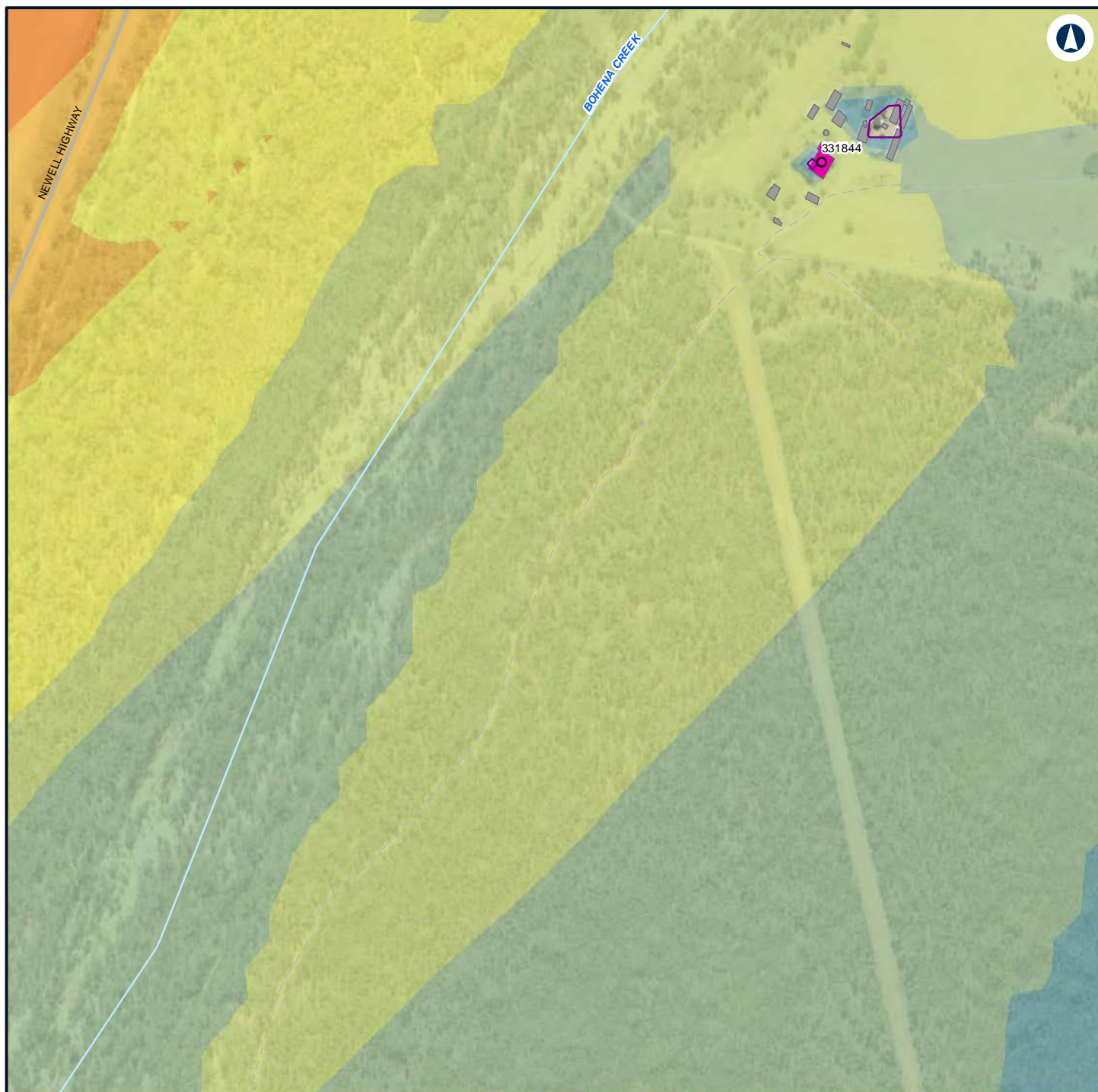
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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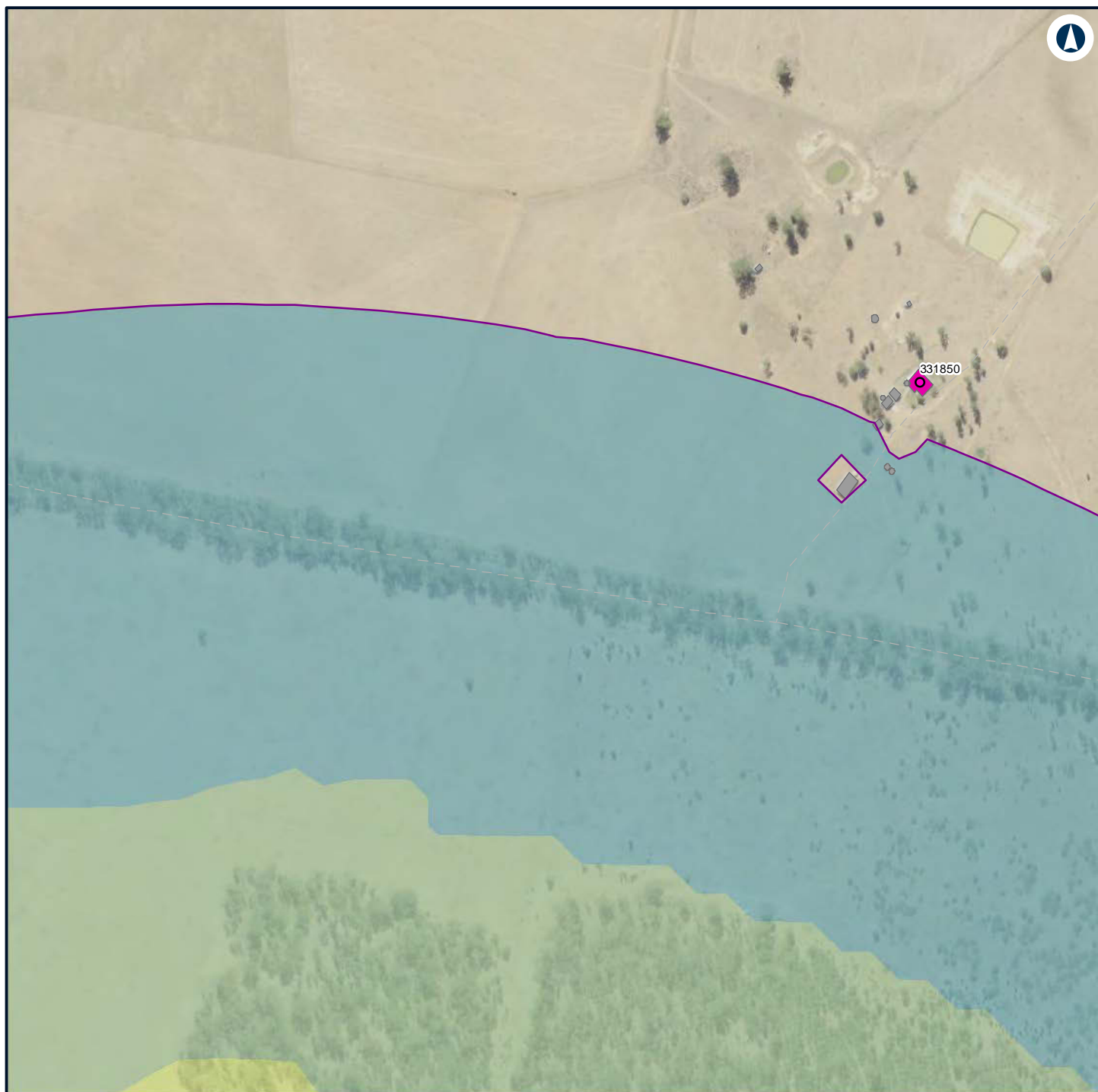
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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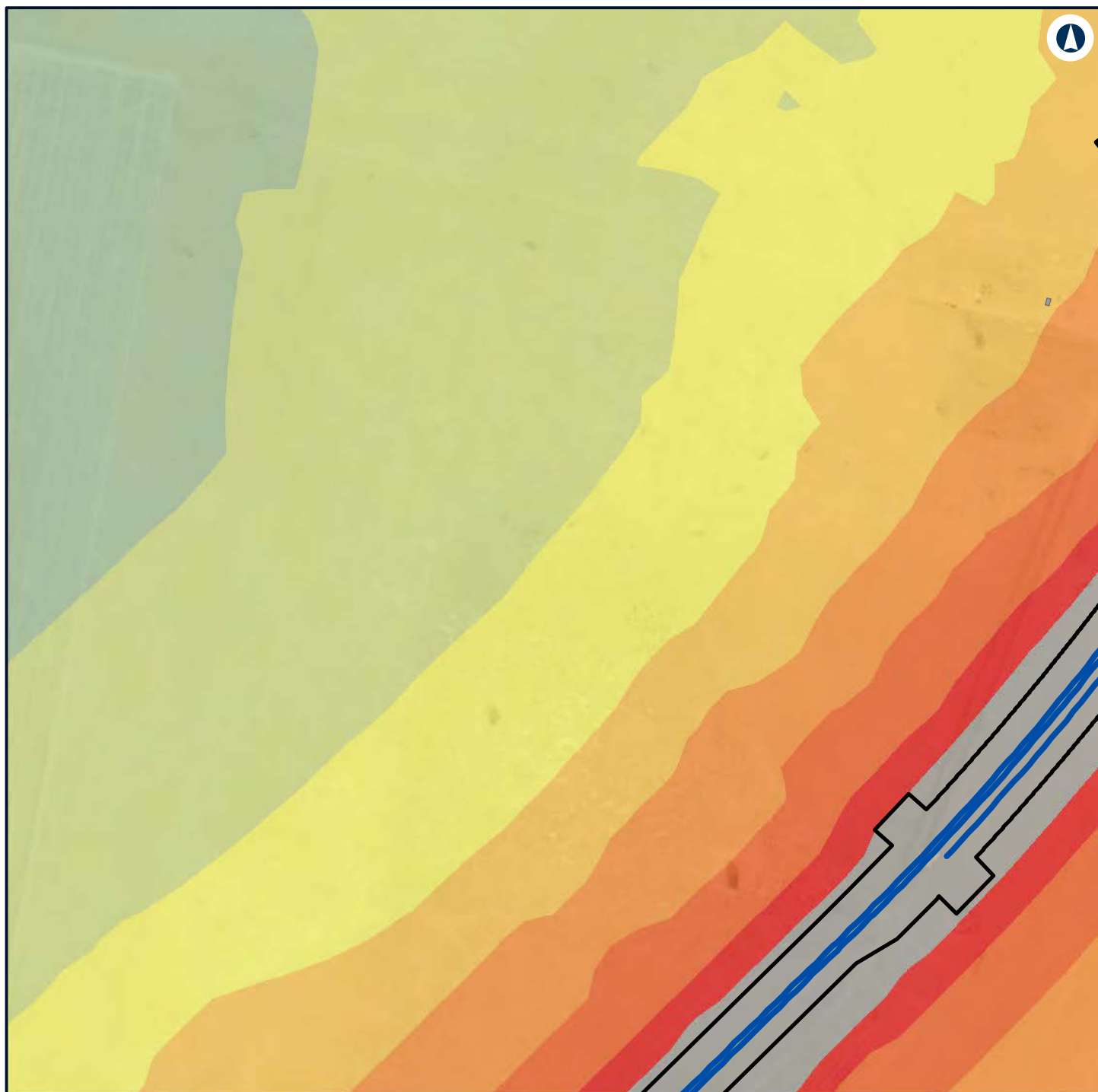
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LEGEND

Alignment	50 - 55
Construction footprint	55 - 60
Other	60 - 65
Noise level (dBA L Aeq 15 minute)	65 - 70
40 - 45	70 - 75
45 - 50	> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

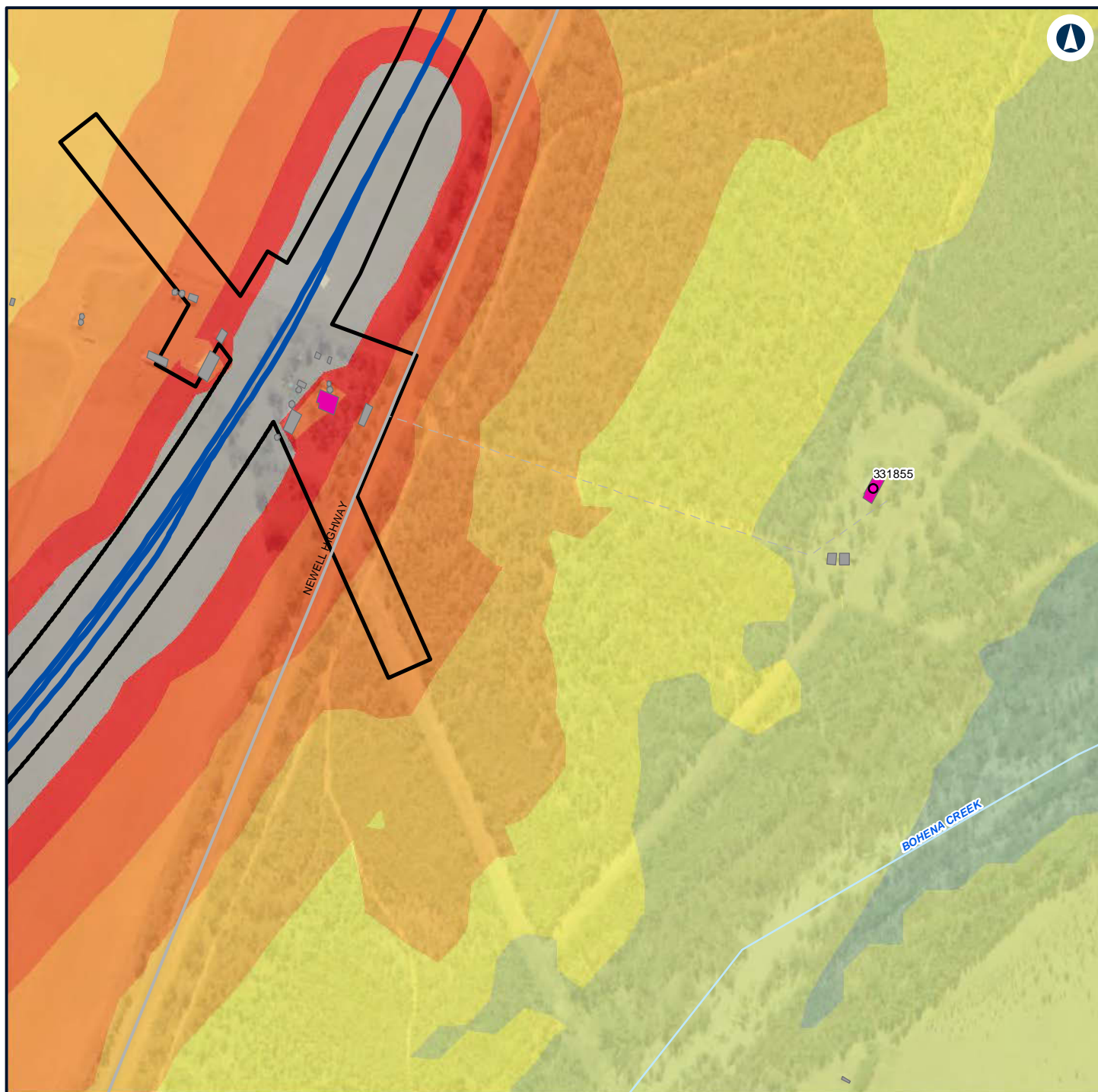
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LEGEND

Alignment	Noise level (dBA L Aeq 15 minute)	65 - 70
Construction footprint	40 - 45	70 - 75
Structure type	45 - 50	> 75
Residential	50 - 55	
Other	55 - 60	
Residential	60 - 65	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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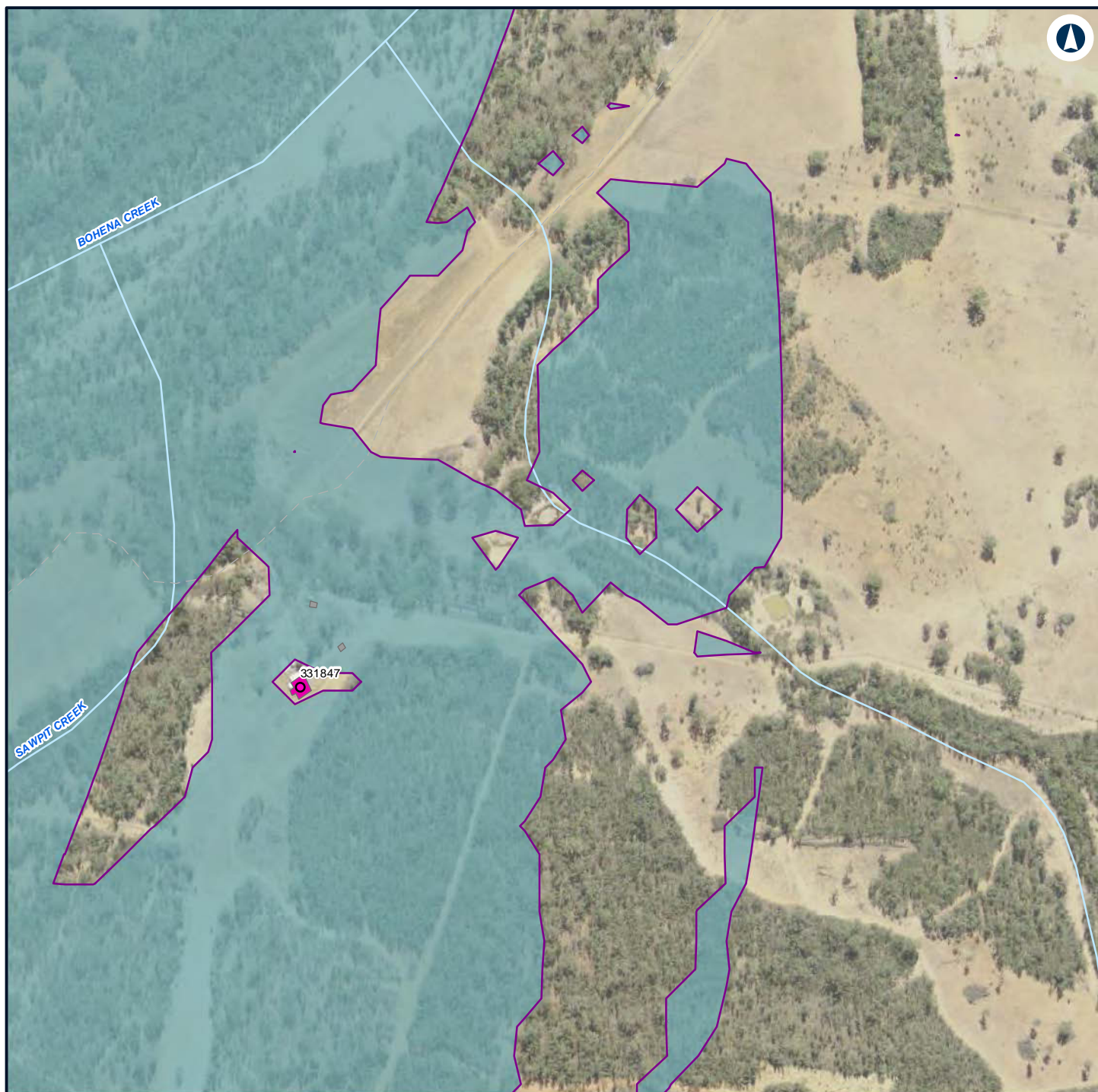
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

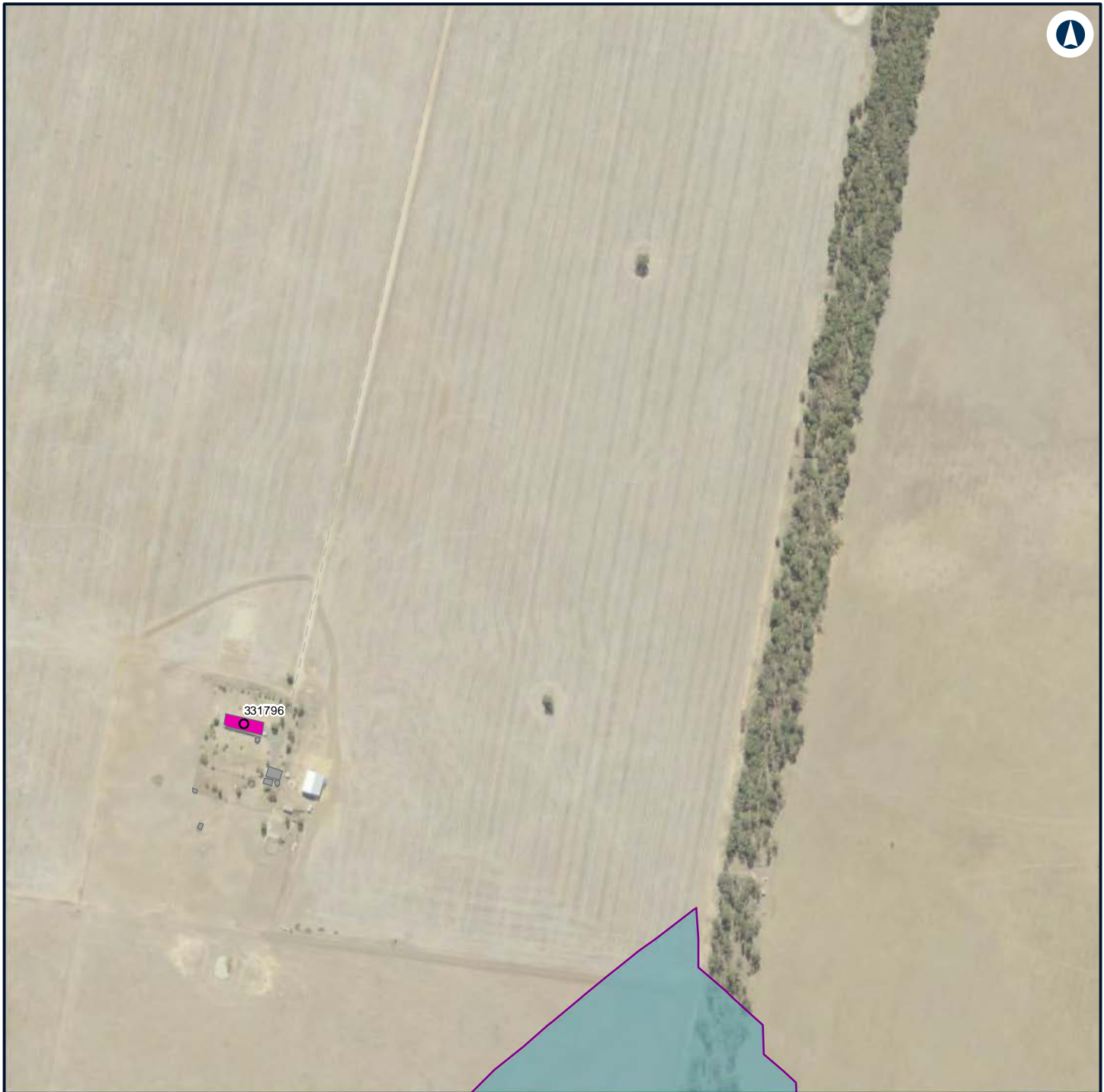
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

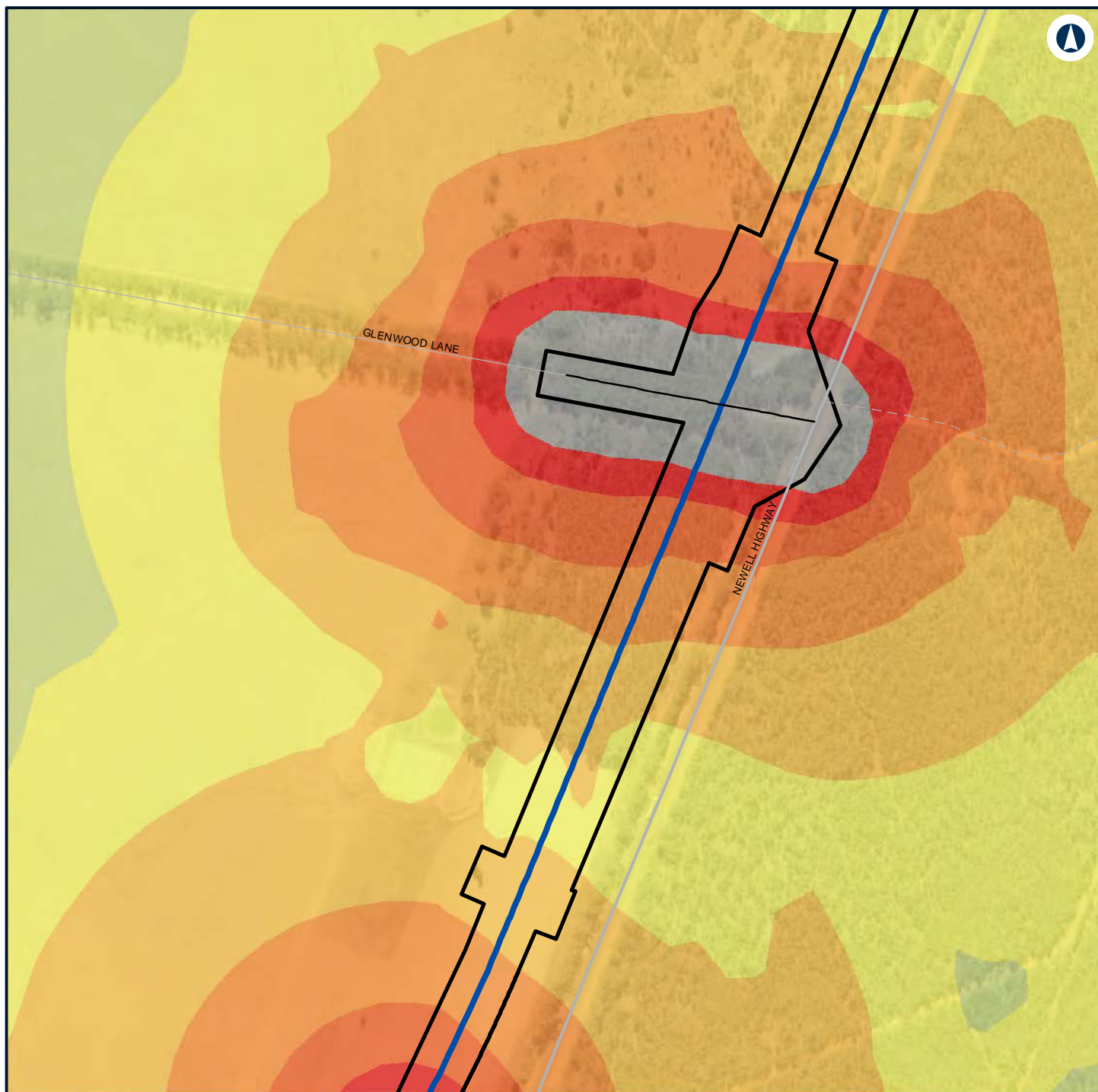
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LEGEND

- Alignment
- Road design string
- Construction footprint
- Noise level (dBA L)**
Aeq 15 minute)
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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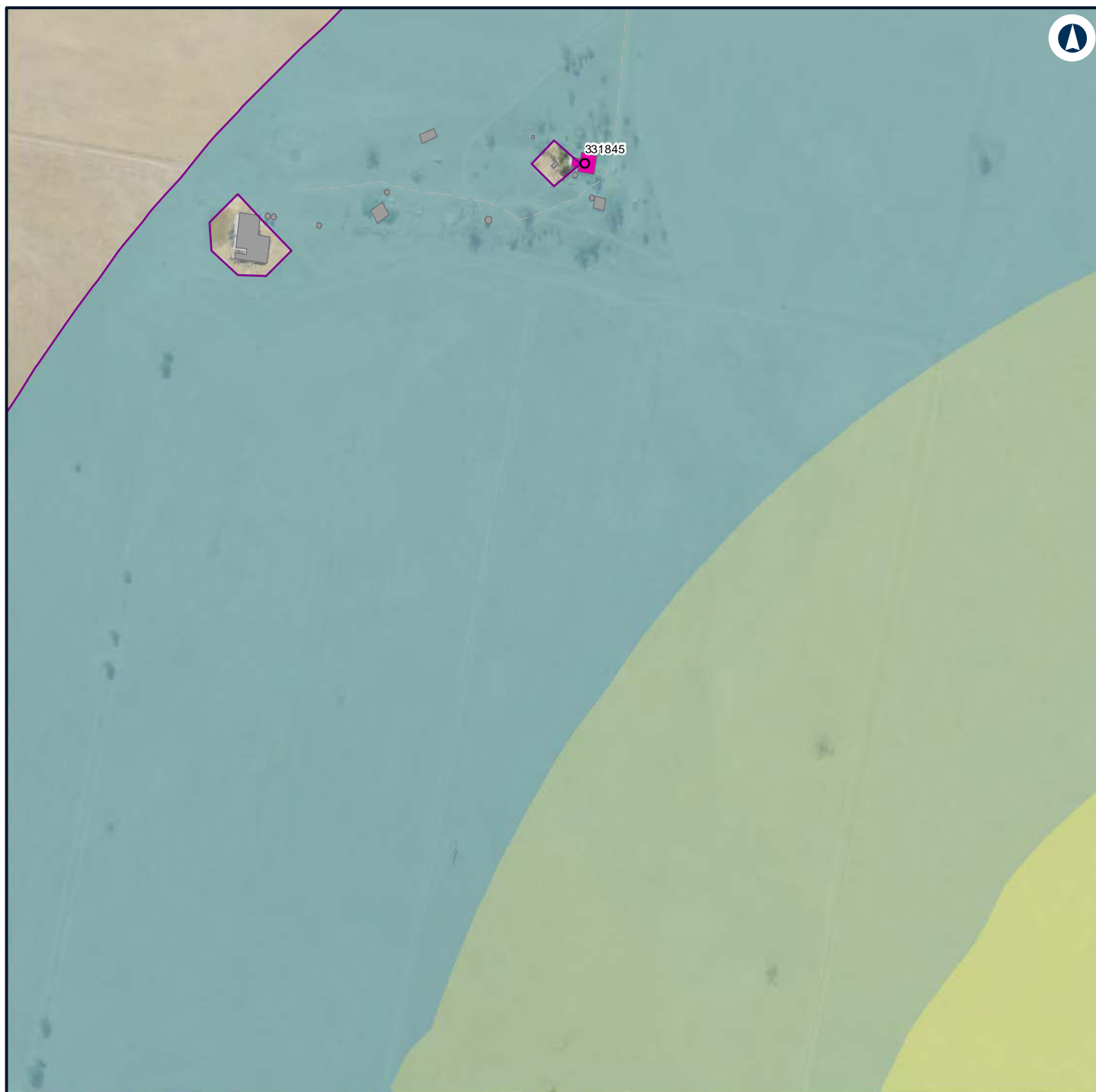
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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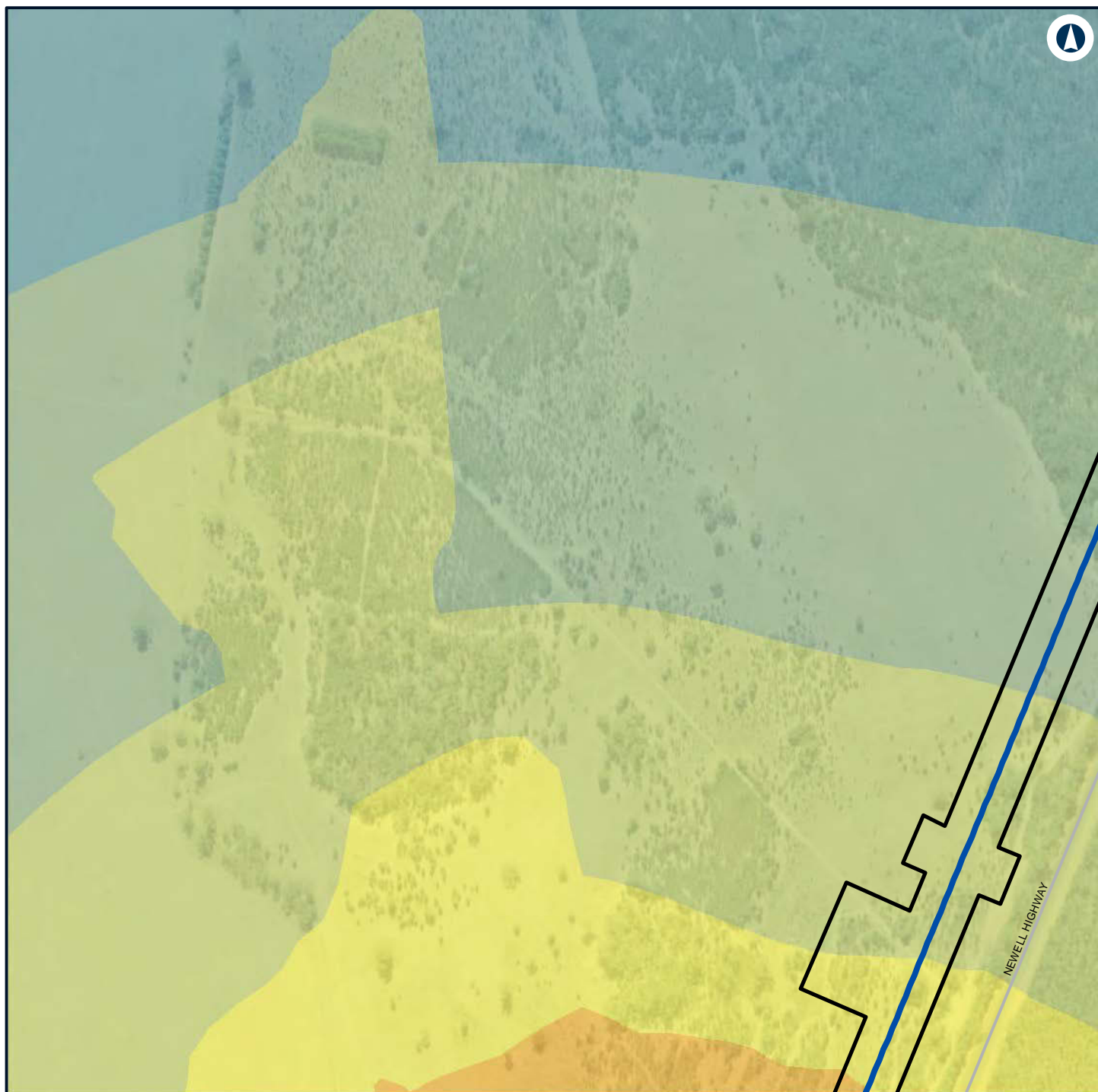
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LEGEND

- Alignment
- Construction footprint
- 50 - 55
- 55 - 60

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)	
	35 - 40
	40 - 45
	45 - 50
	50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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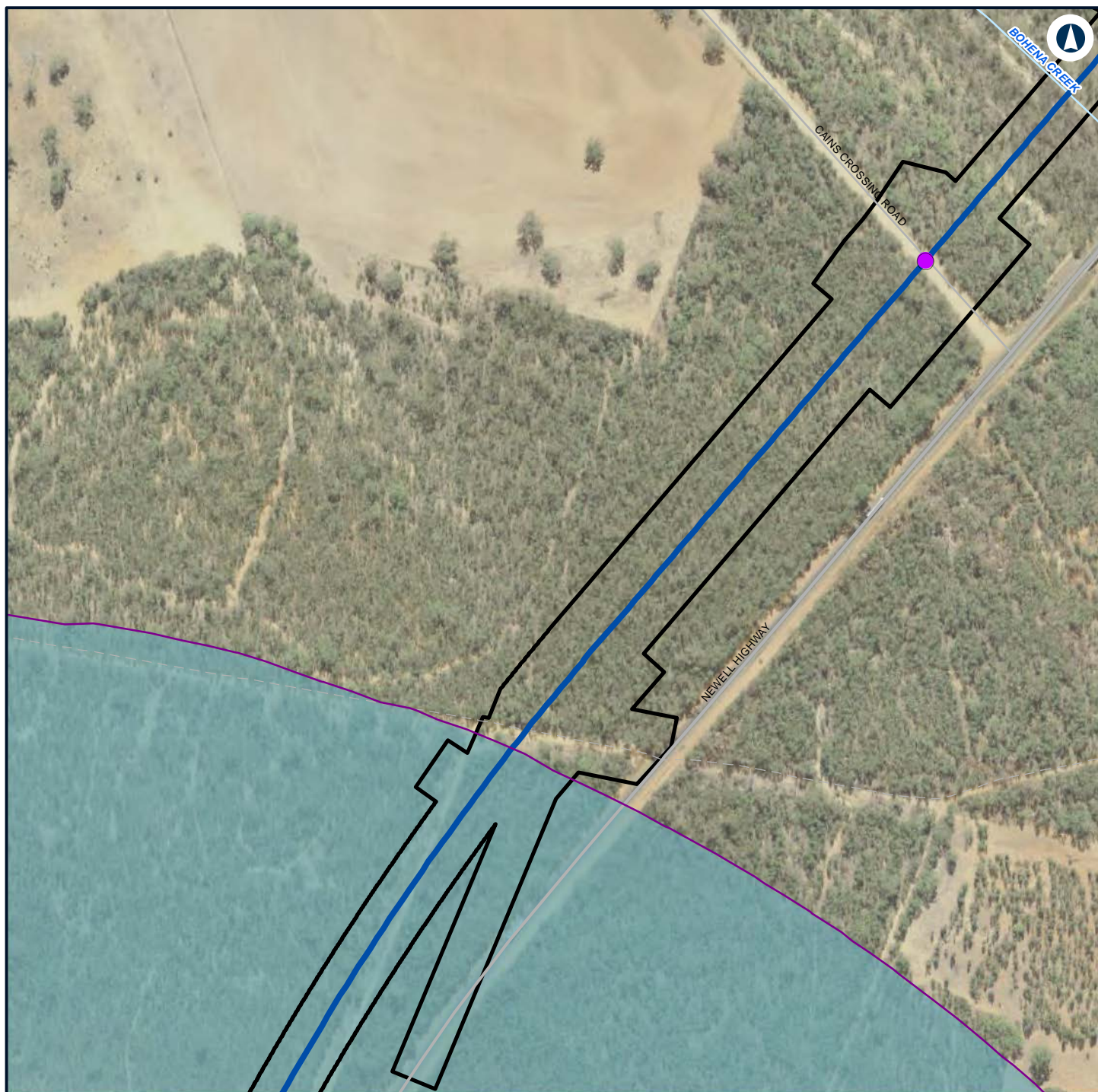
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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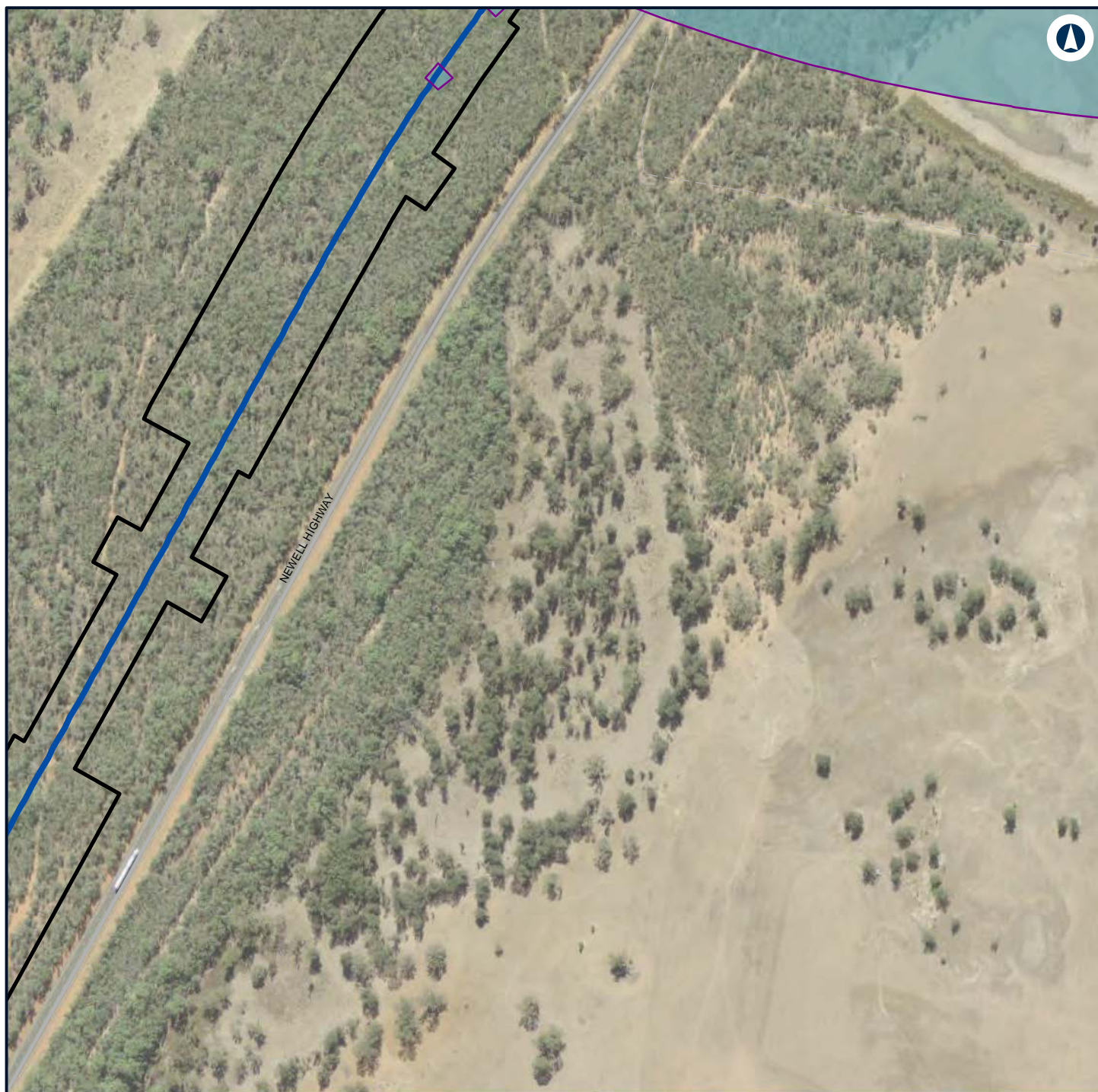
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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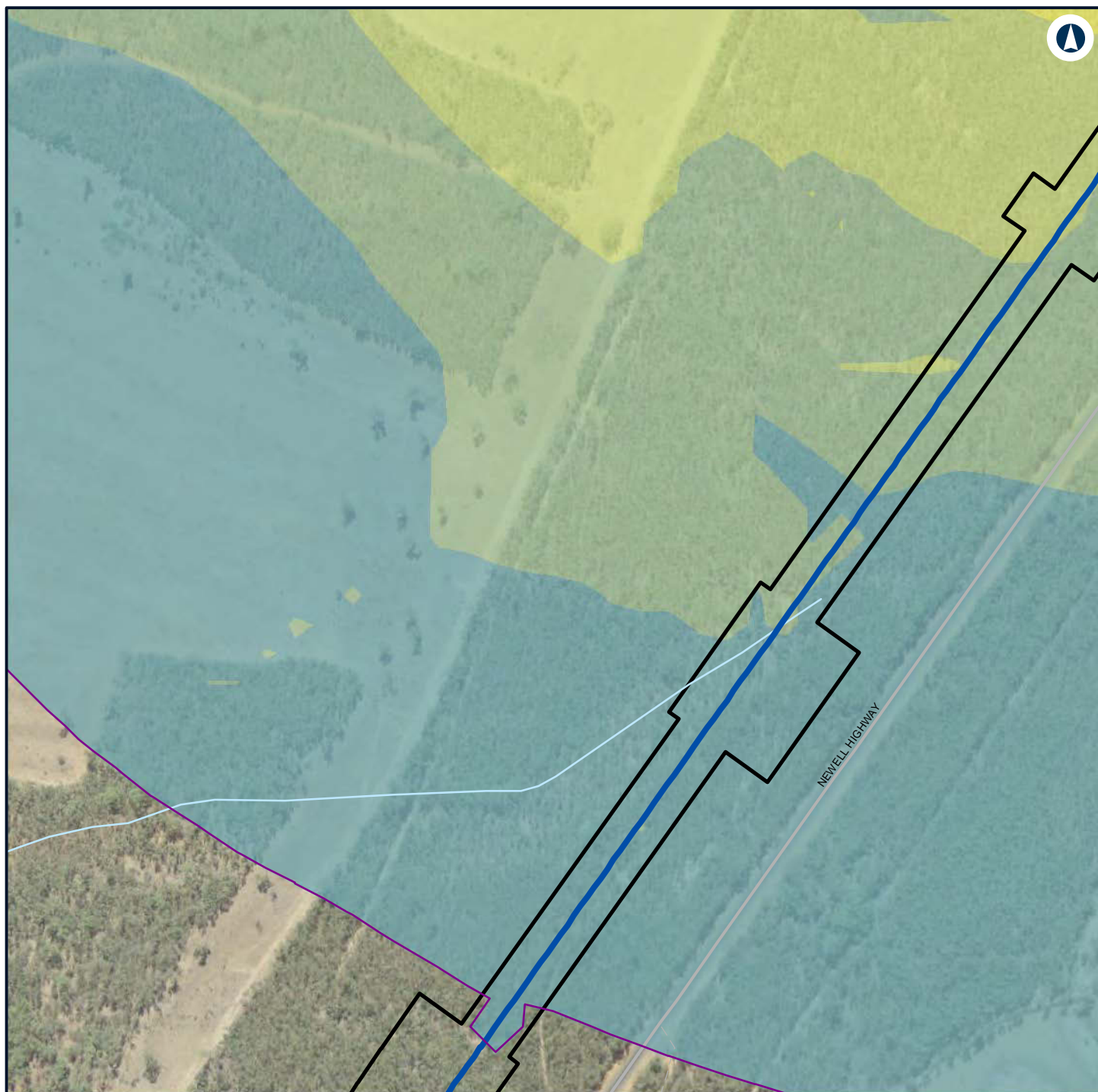
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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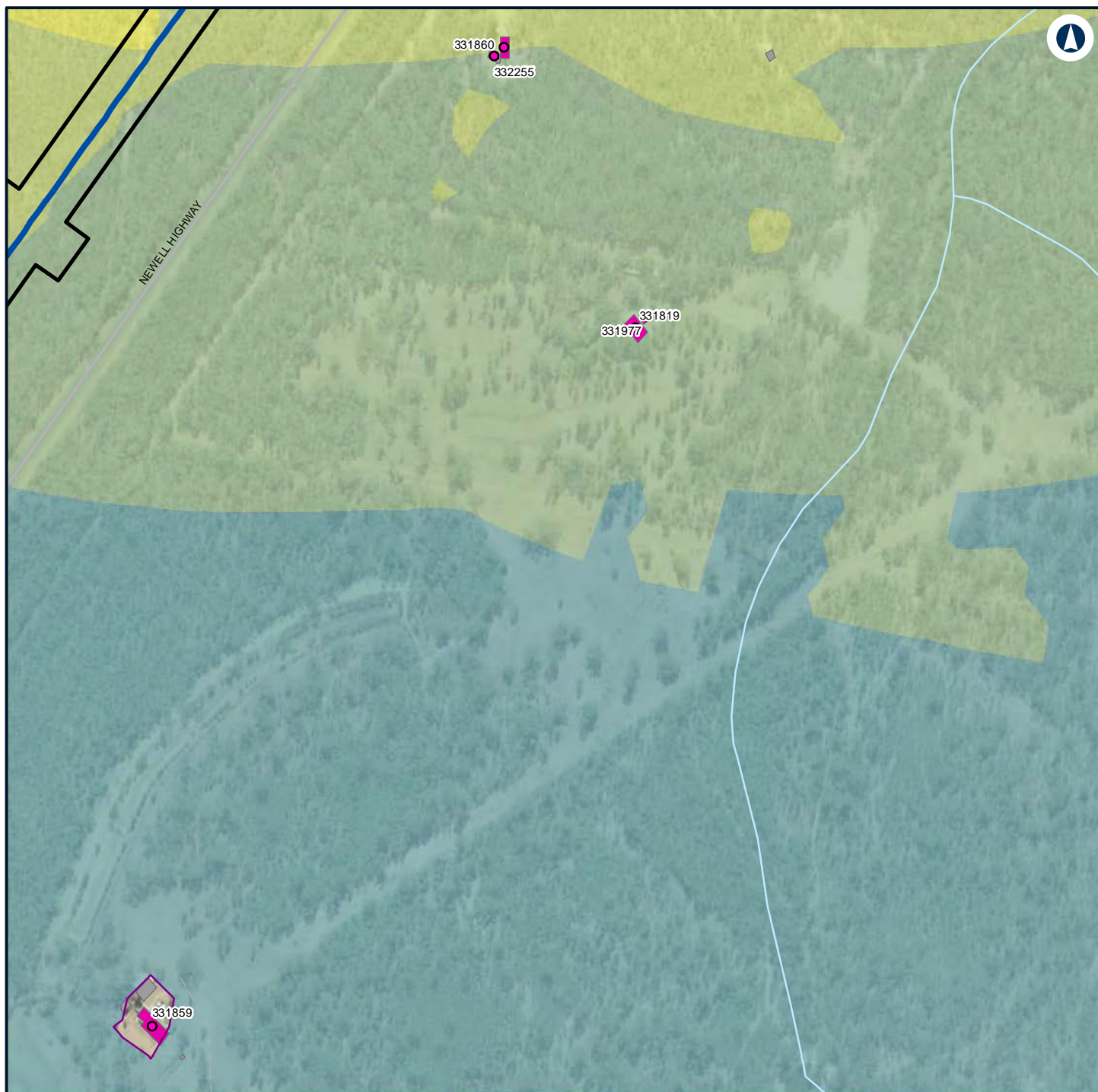
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LEGEND

- Alignment
 - Construction footprint
 - Structure type**
 - Residential
 - Other
 - Residential
 - Night-time noise management level
- Noise level (dBA L)**
Aeq 15 minute)
- 35 - 40
 - 40 - 45
 - 45 - 50
 - 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

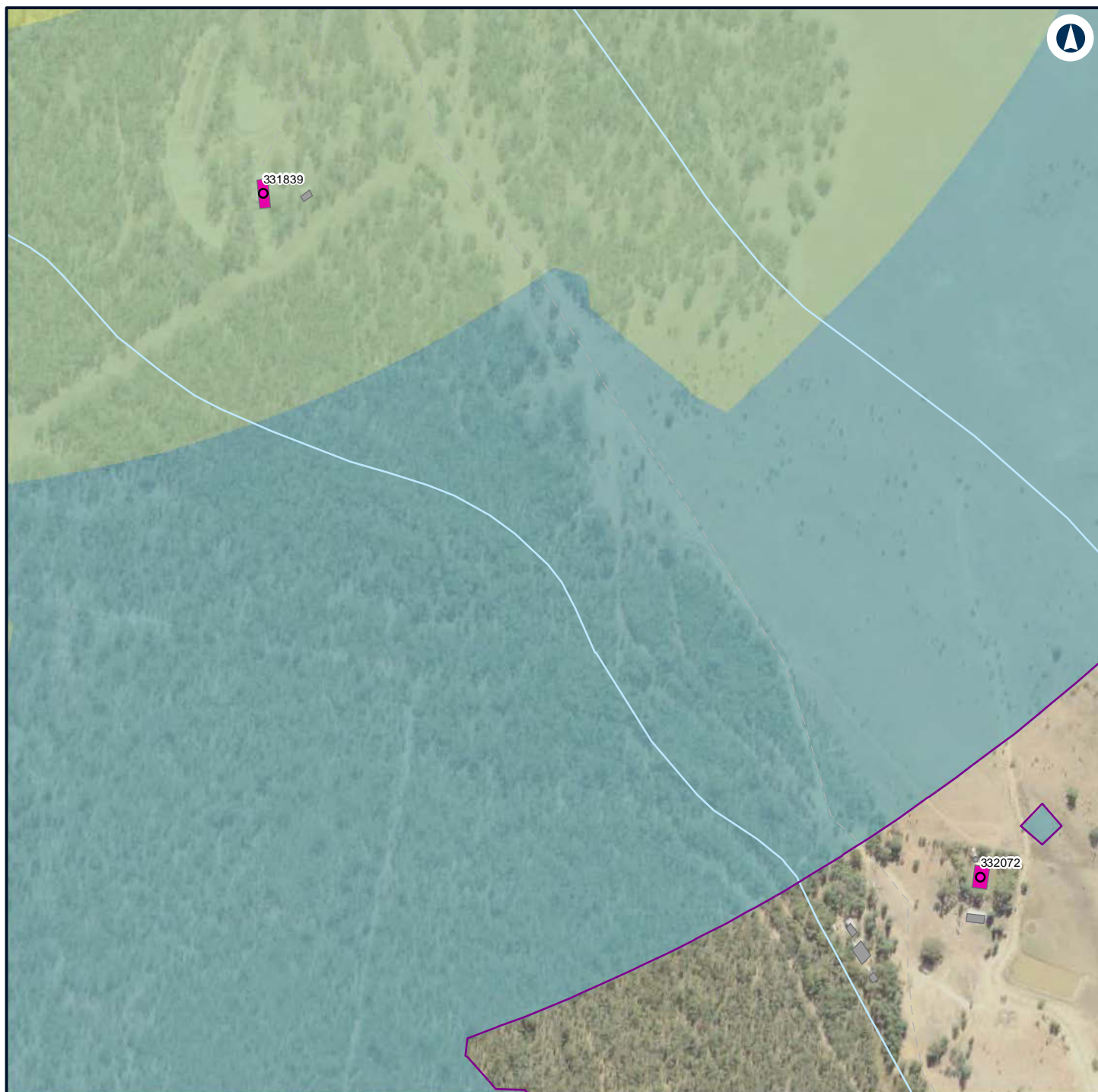
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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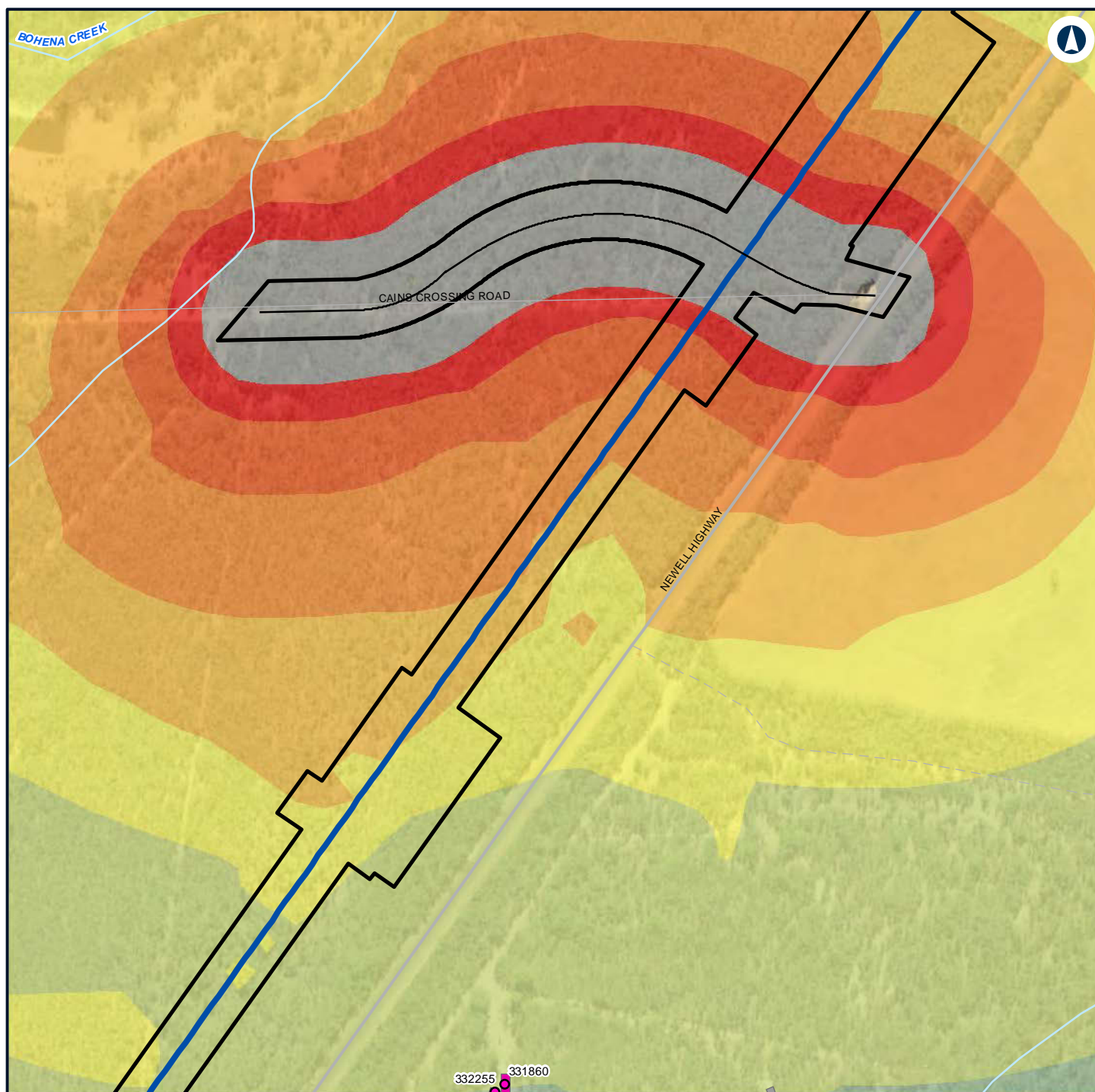
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LEGEND

Alignment	Residential	60 - 65
Road design string	Noise level (dBA L Aeq 15 minute)	65 - 70
Construction footprint	40 - 45	70 - 75
Structure type	45 - 50	> 75
Residential	50 - 55	
Other	55 - 60	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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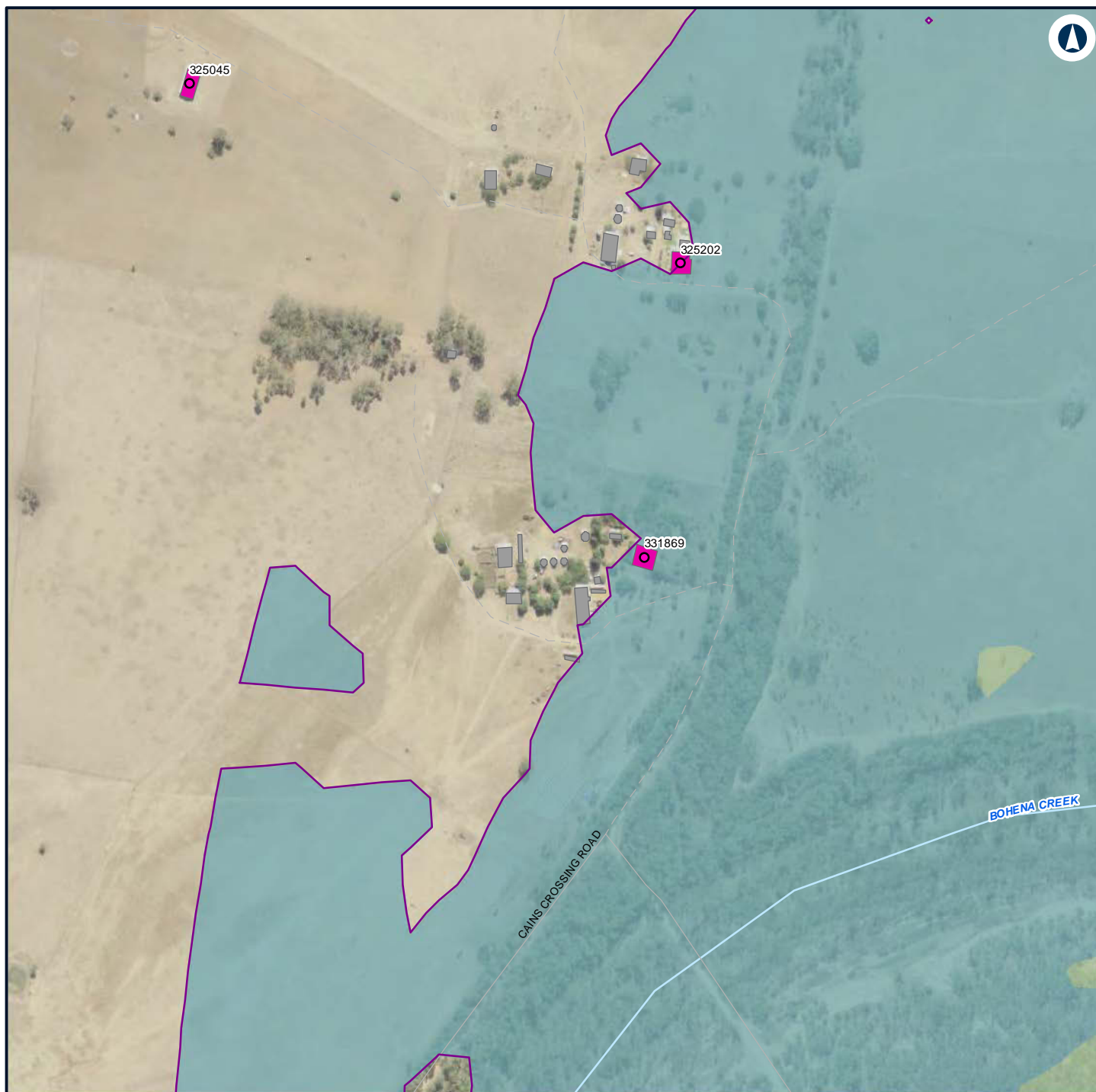
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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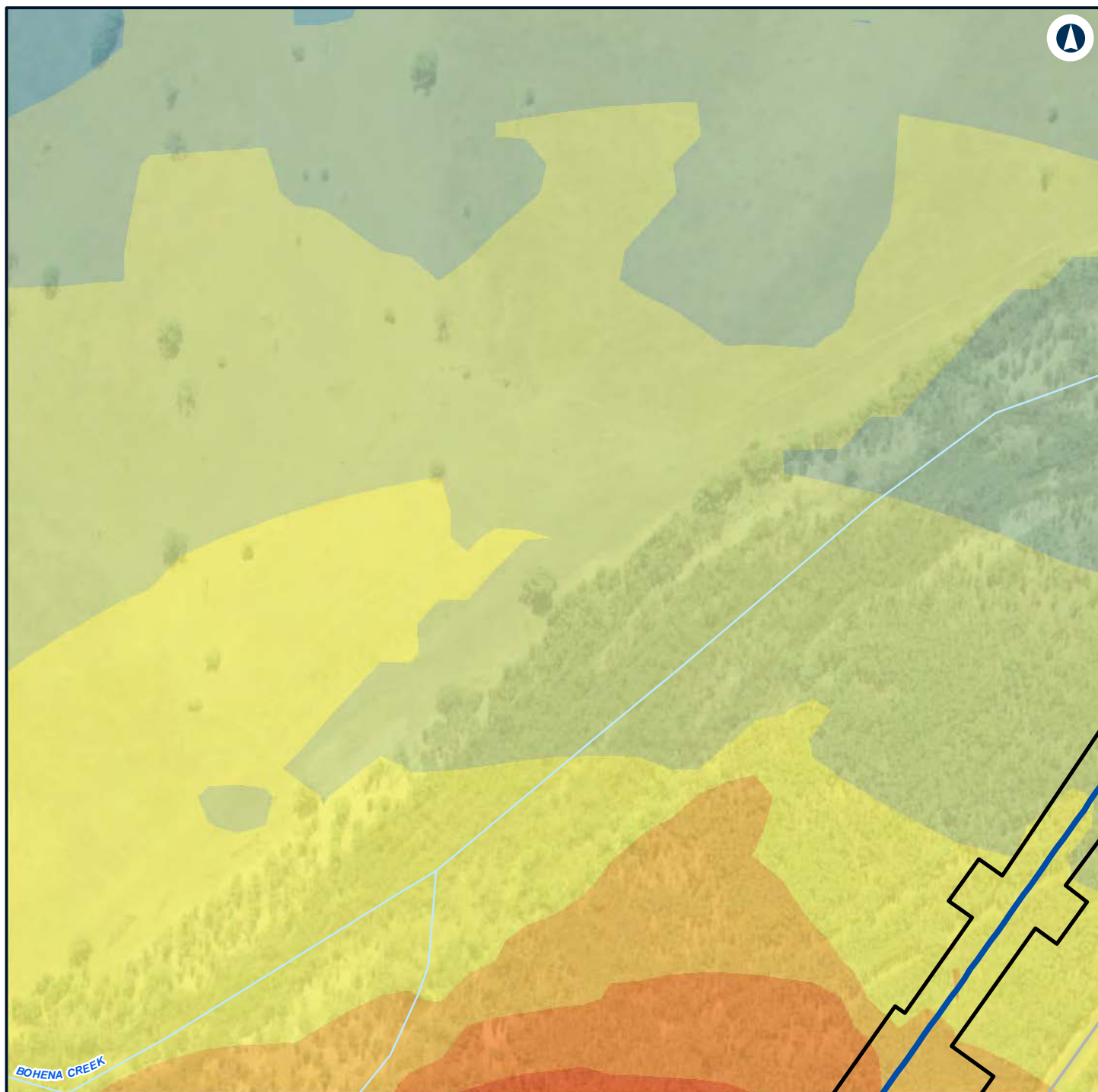
Author: GHD

Scale: 1:5,000

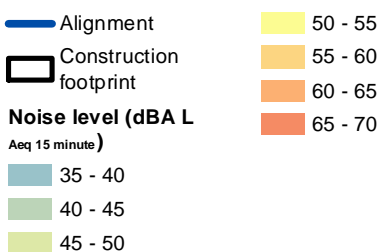
Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

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LEGEND



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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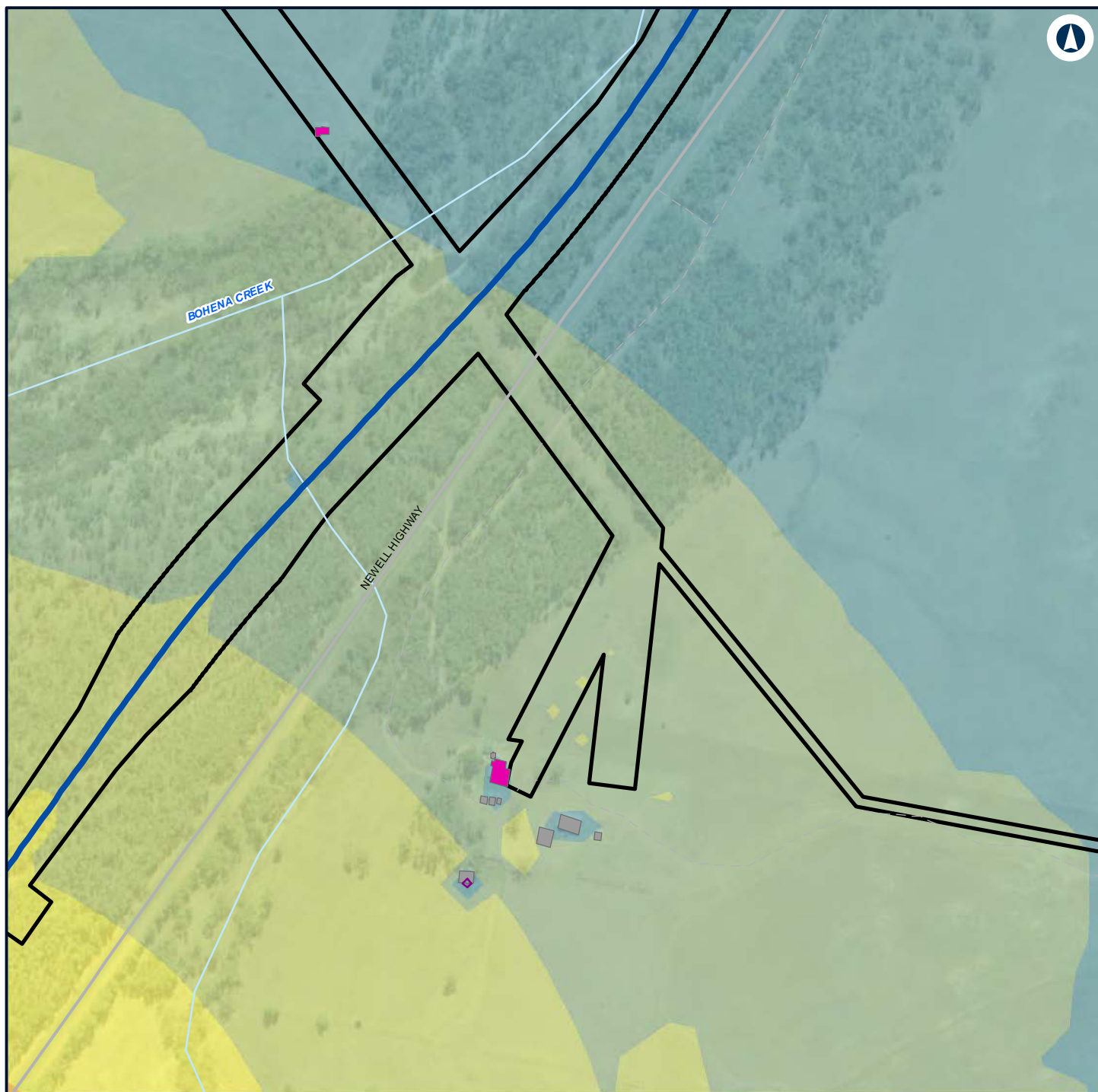
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LEGEND

Alignment	Noise level (dBA L
Construction footprint	Aeq 15 minute)
Other	35 - 40
Residential	40 - 45
Night-time noise management level	45 - 50
	50 - 55
	55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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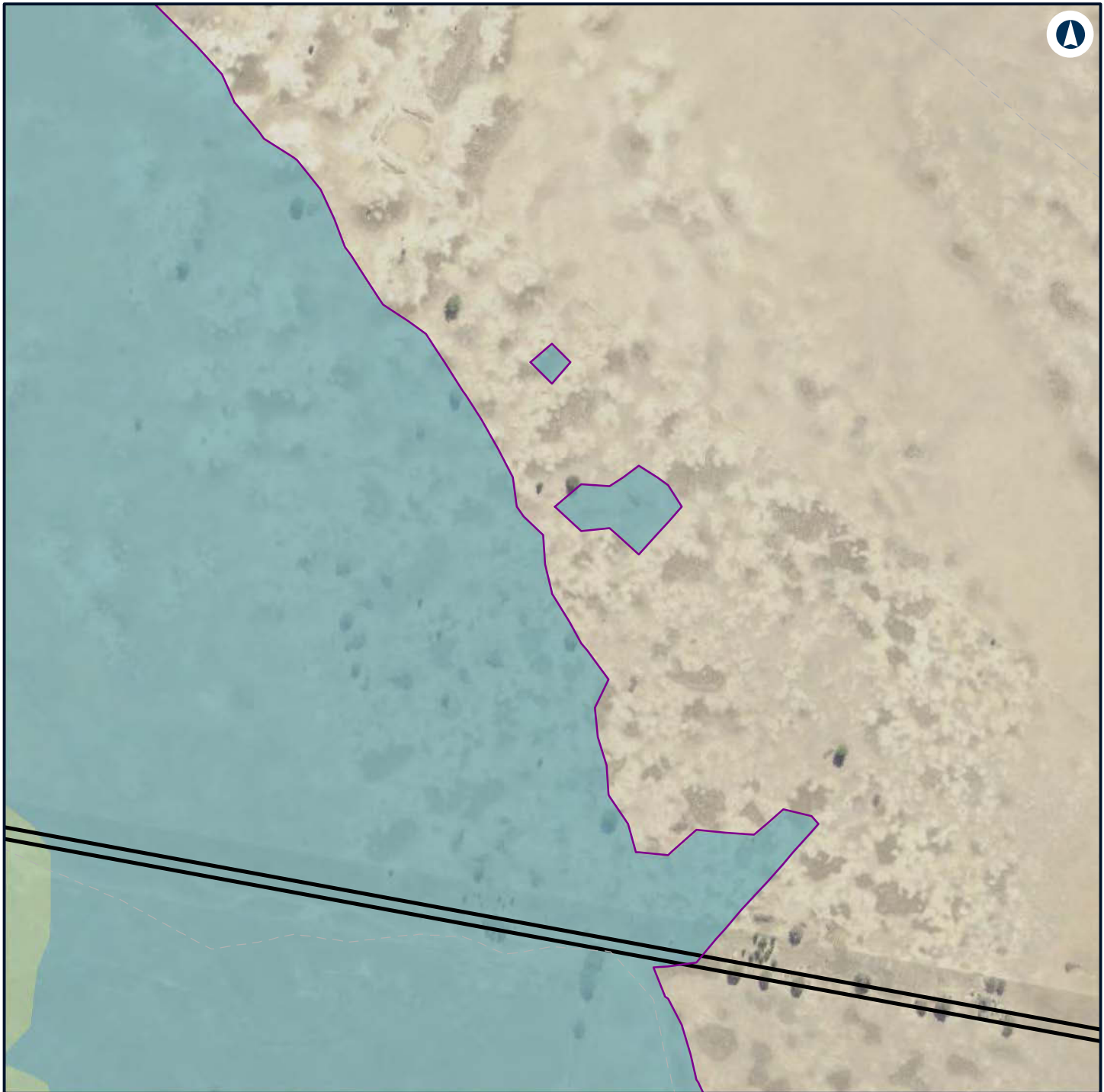
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LEGEND

-  Construction footprint
-  Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

-  35 - 40
-  40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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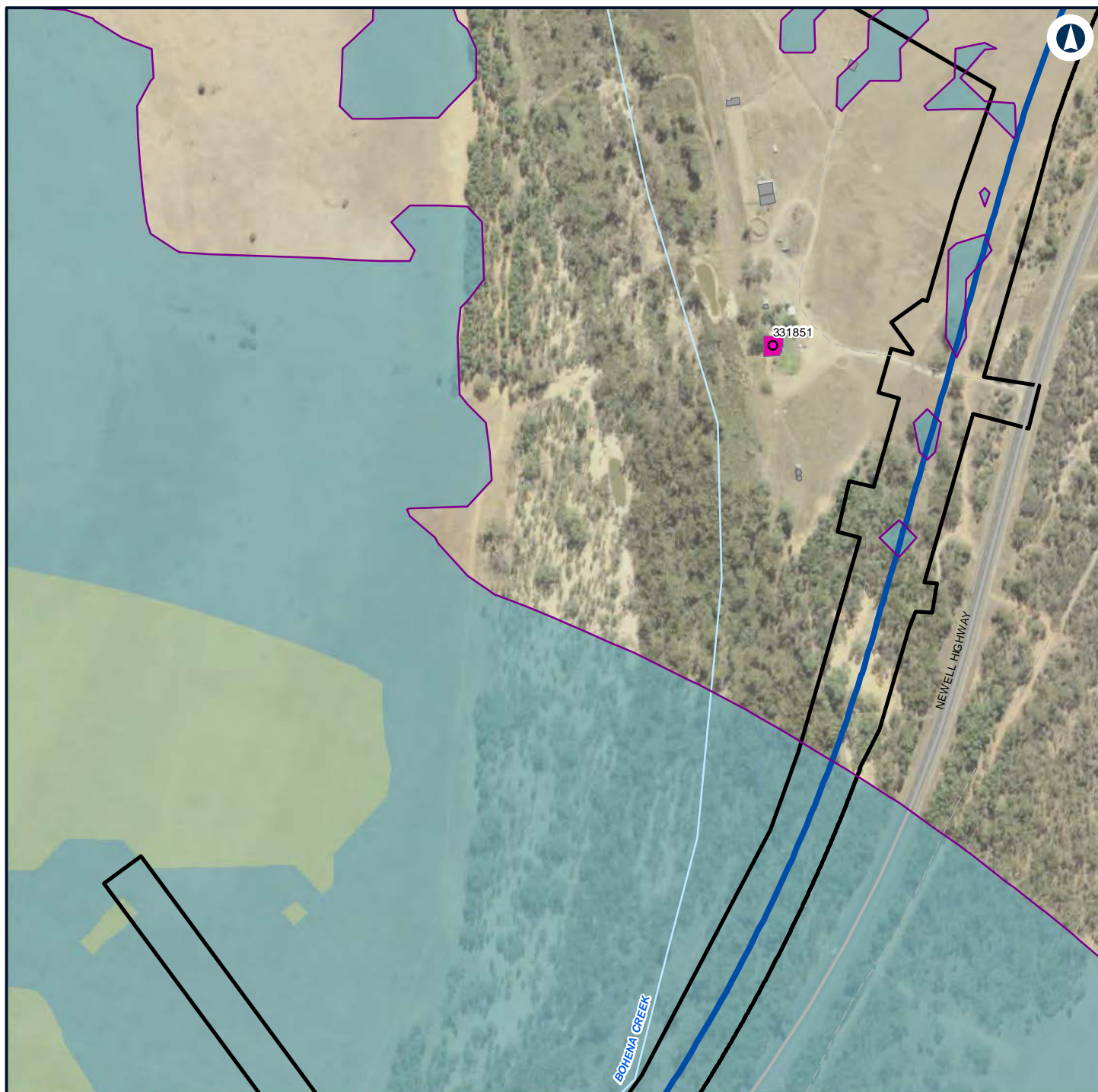
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LEGEND

- Alignment
- Construction footprint
- Structure type**
 - Residential
 - Other
 - Residential
- Night-time noise management level
- Noise level (dBA L Aeq 15 minute)**
 - 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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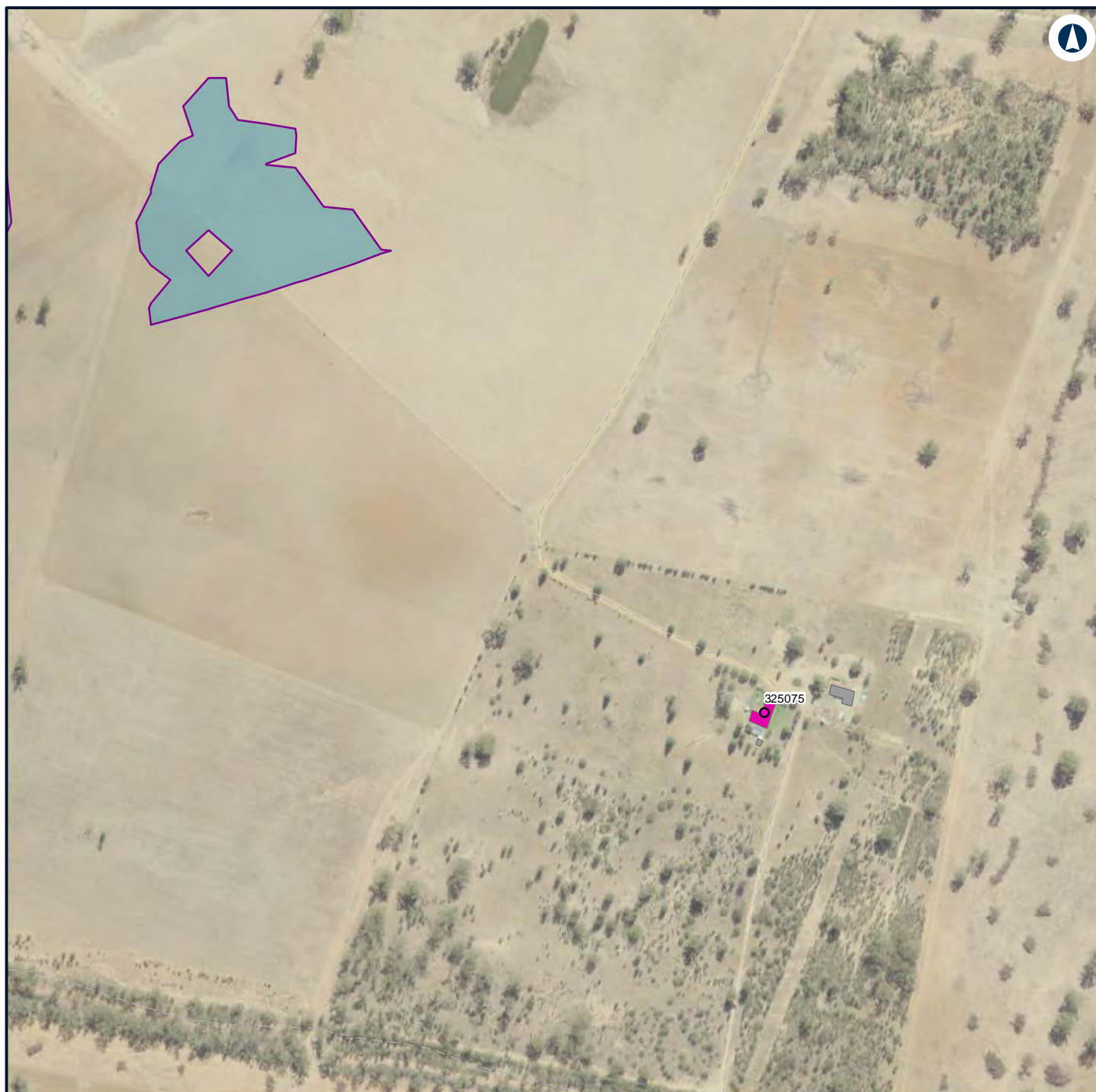
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

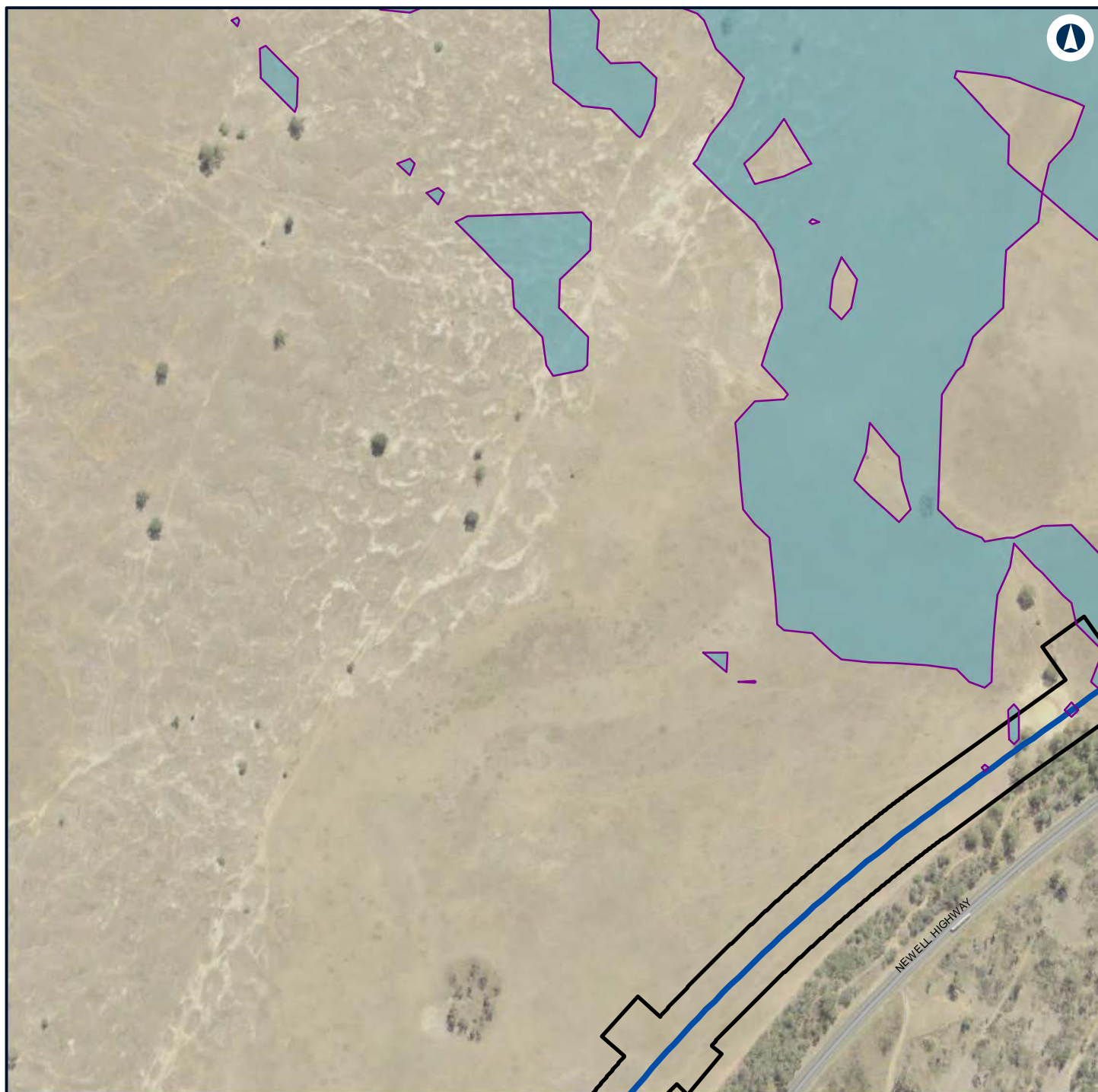
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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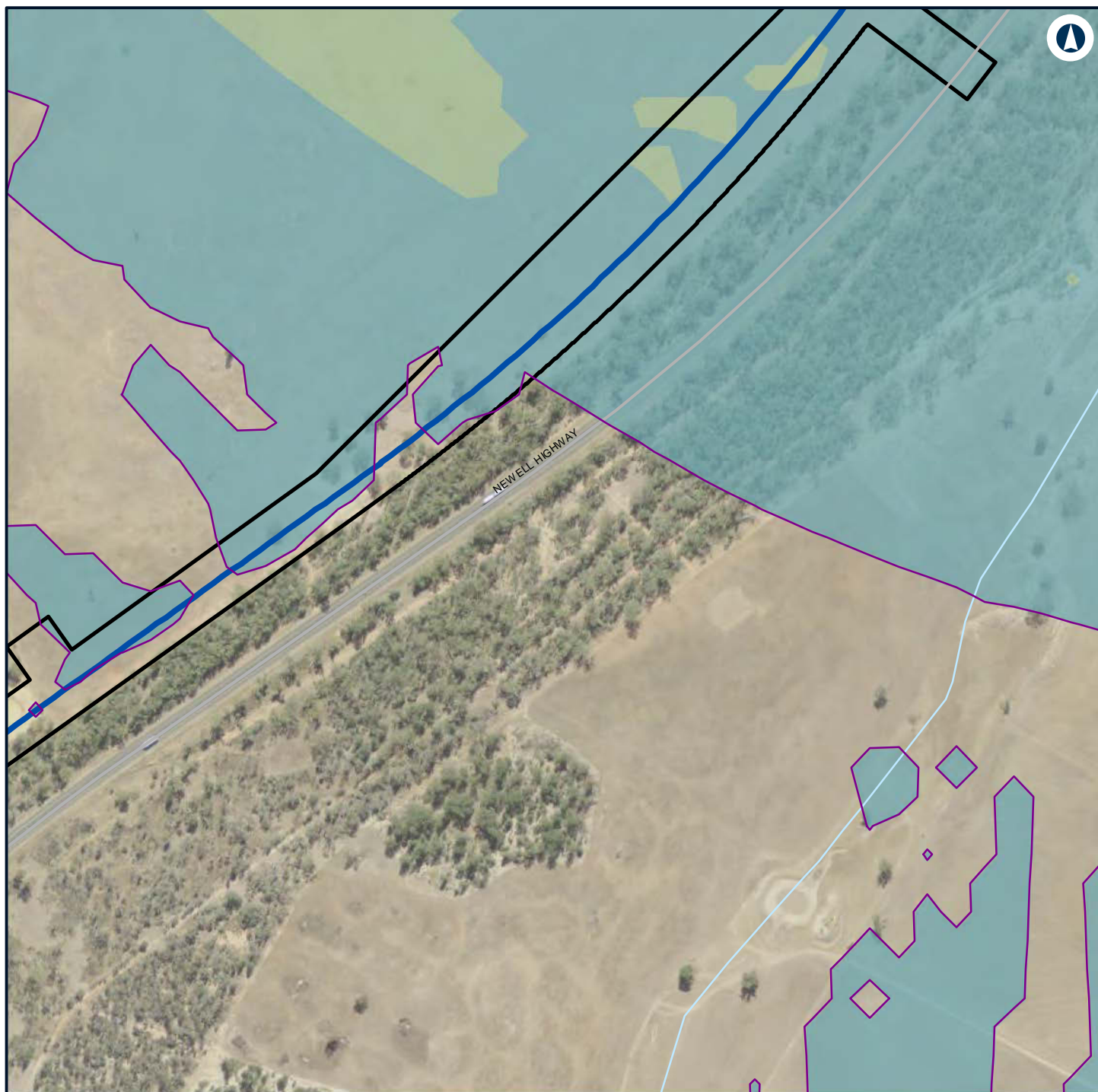
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LEGEND

- Alignment
- Construction footprint
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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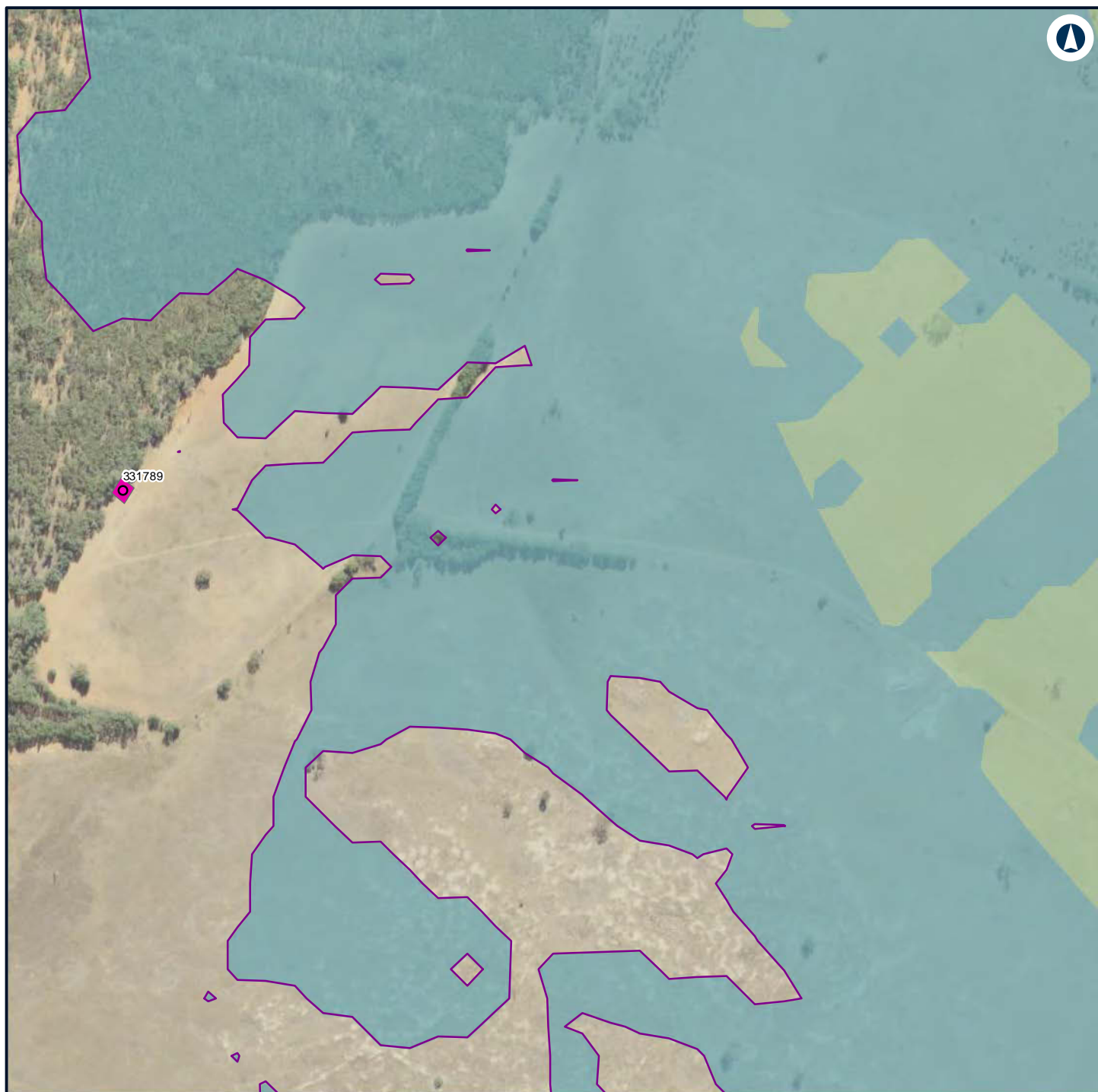
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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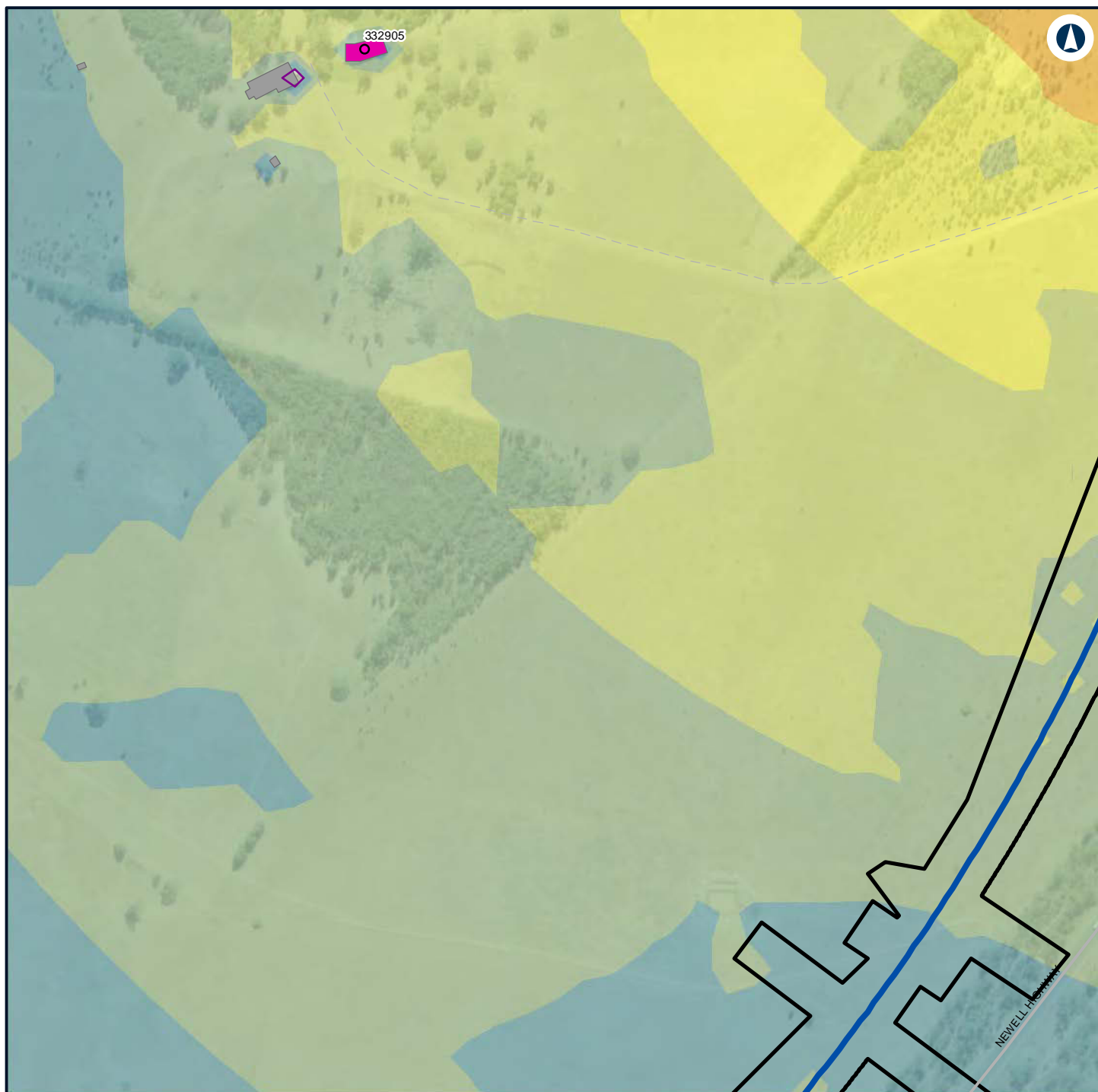
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LEGEND

Alignment

Construction footprint

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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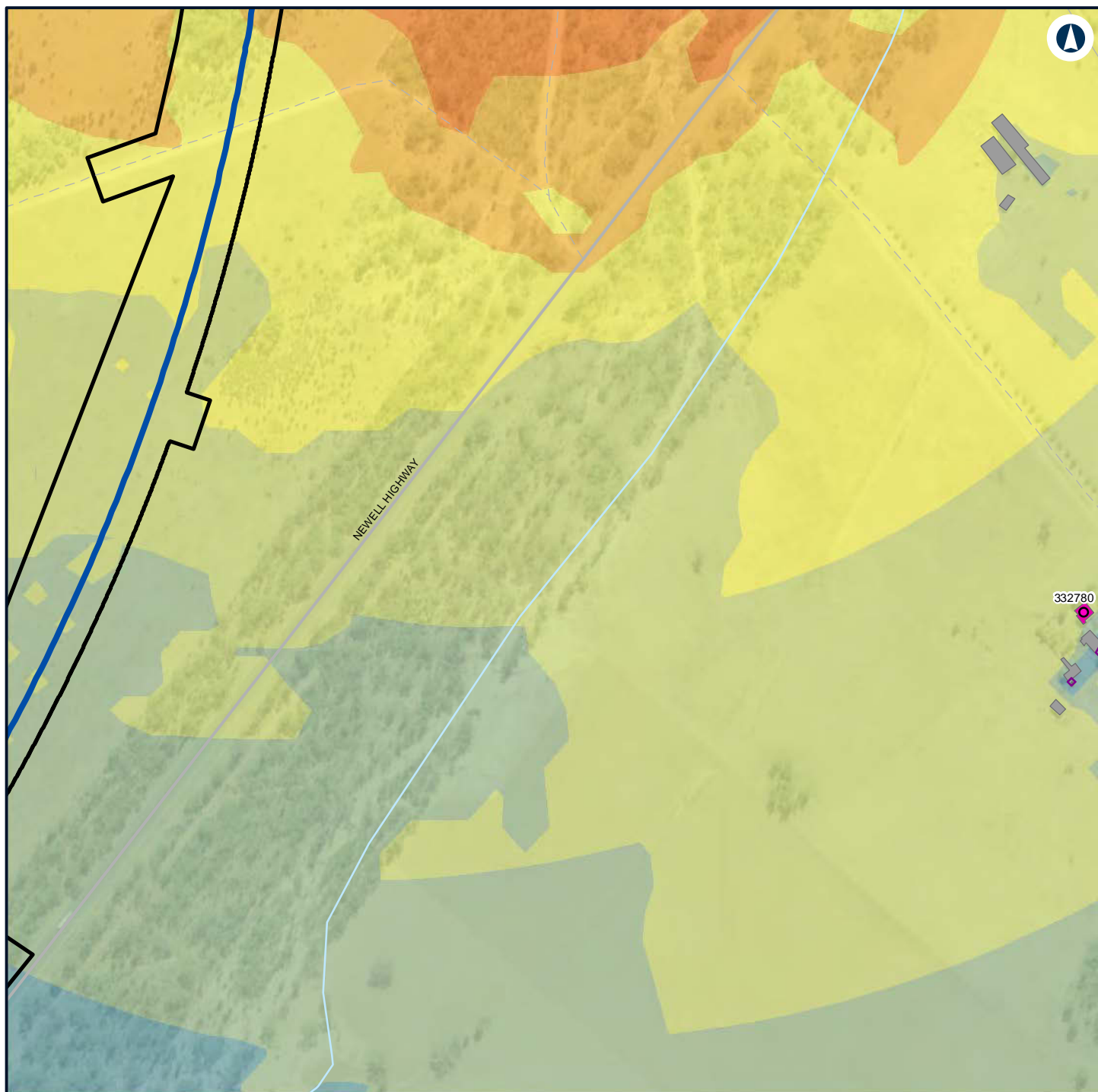
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LEGEND

- Alignment
- Construction footprint

Structure type

- Residential
- Other
- Residential

- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55

- 55 - 60
- 60 - 65



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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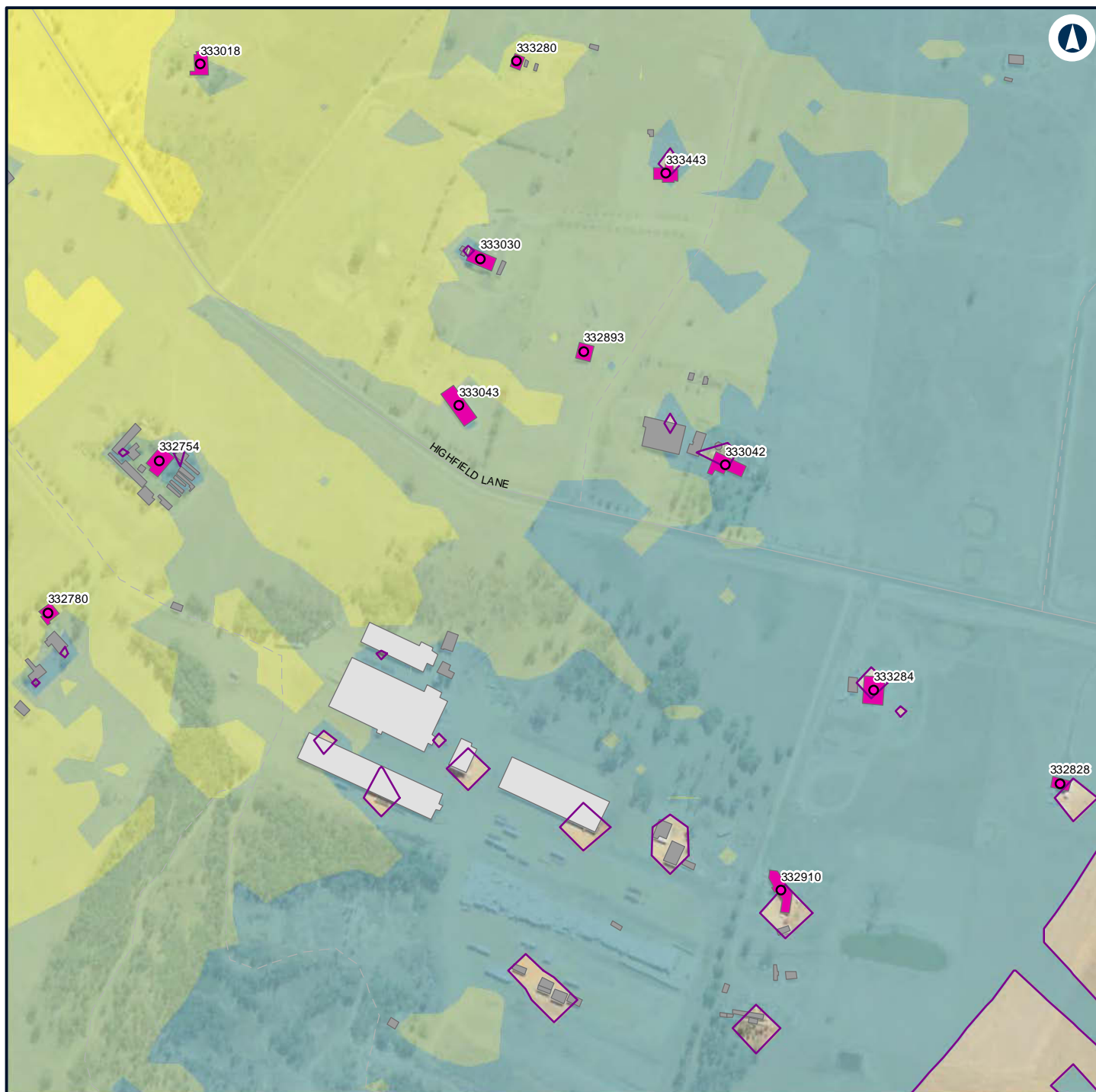
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LEGEND

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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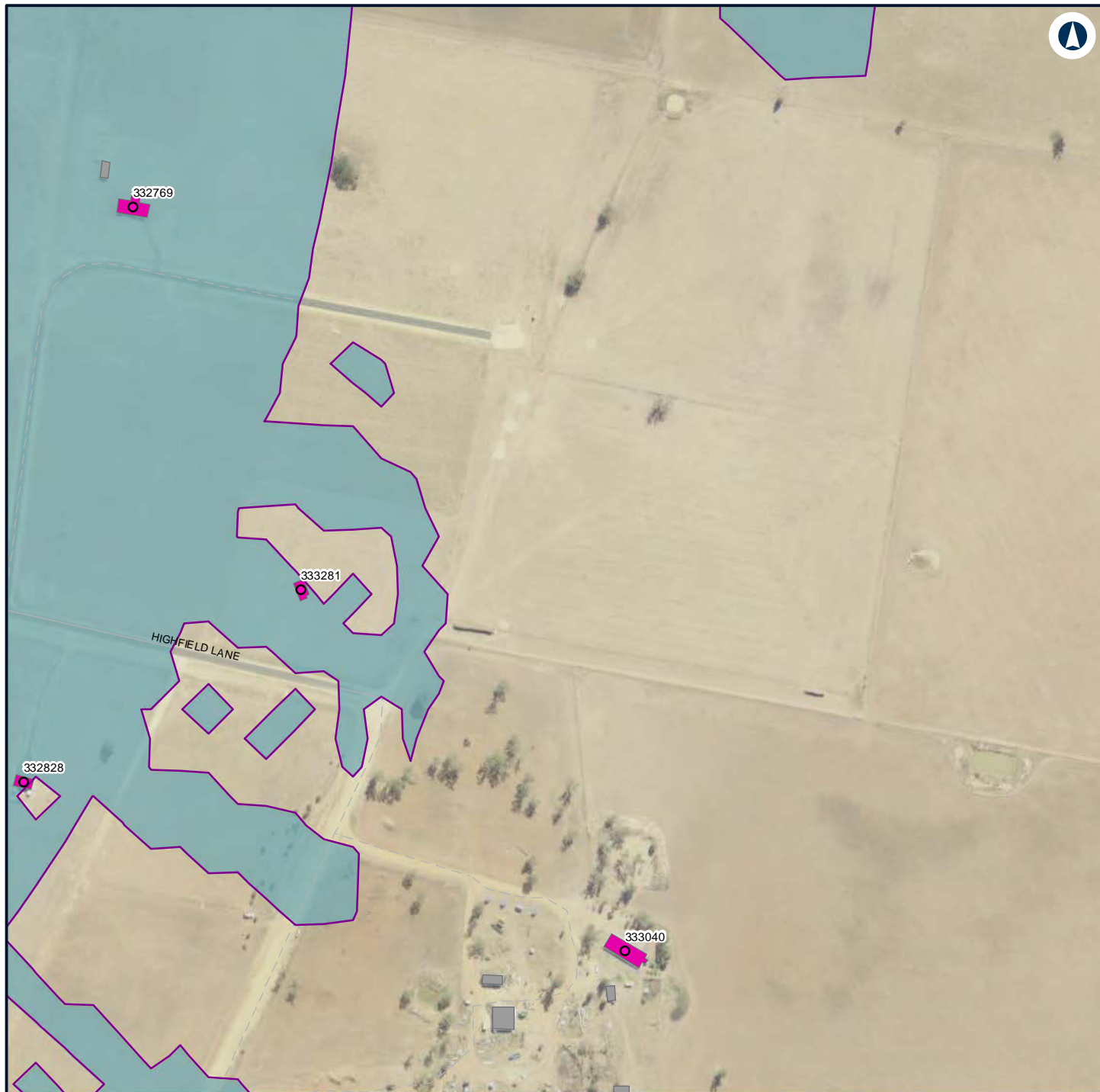
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LEGEND

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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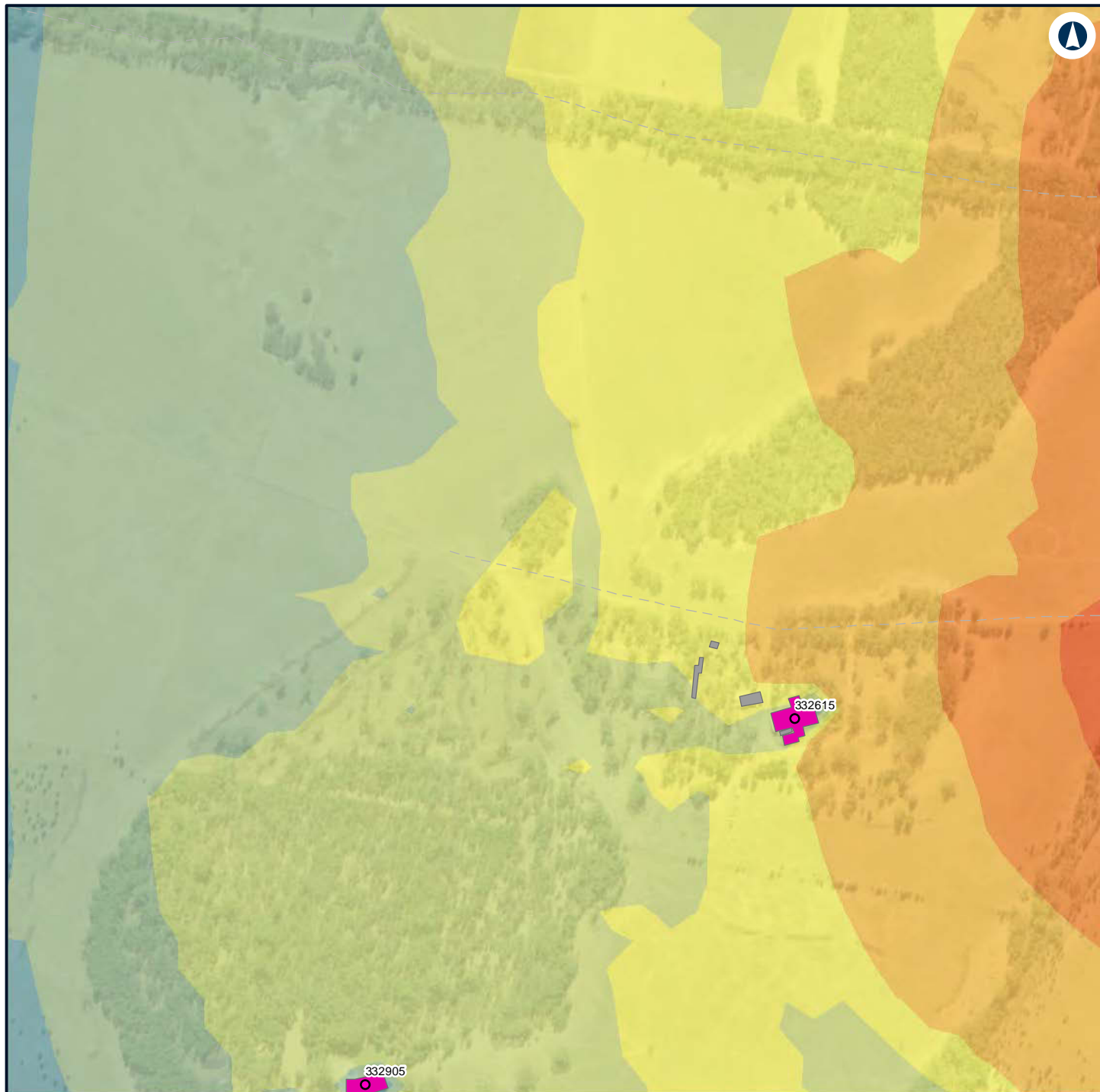
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LEGEND

Structure type		40 - 45
● Residential		45 - 50
■ Other		50 - 55
■ Residential		55 - 60
Noise level (dBA L Aeq 15 minute)		60 - 65
		65 - 70
		35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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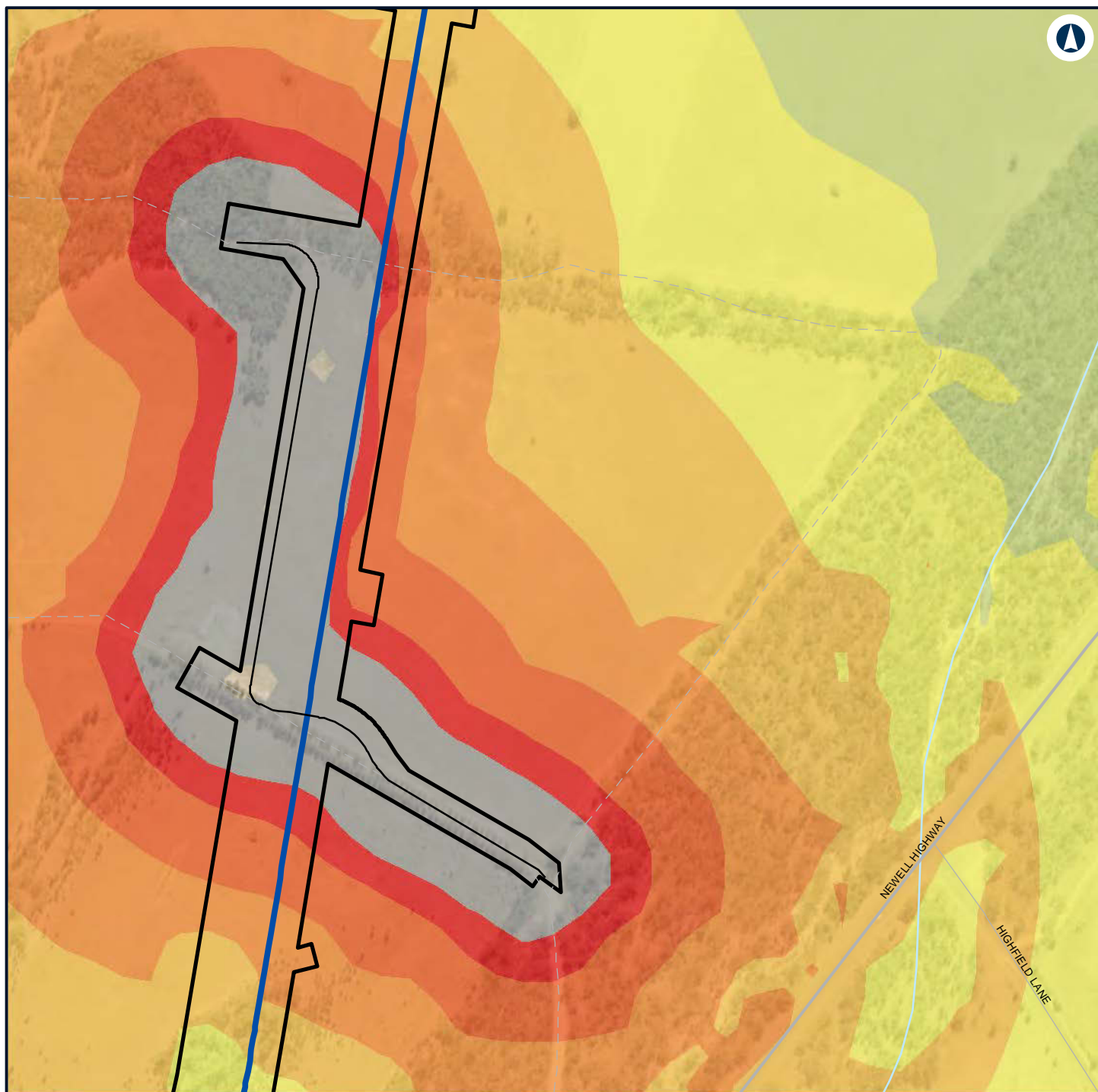
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LEGEND

- Alignment
- Road design string
- Construction footprint
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- > 75

Noise level (dBA L Aeq 15 minute)

- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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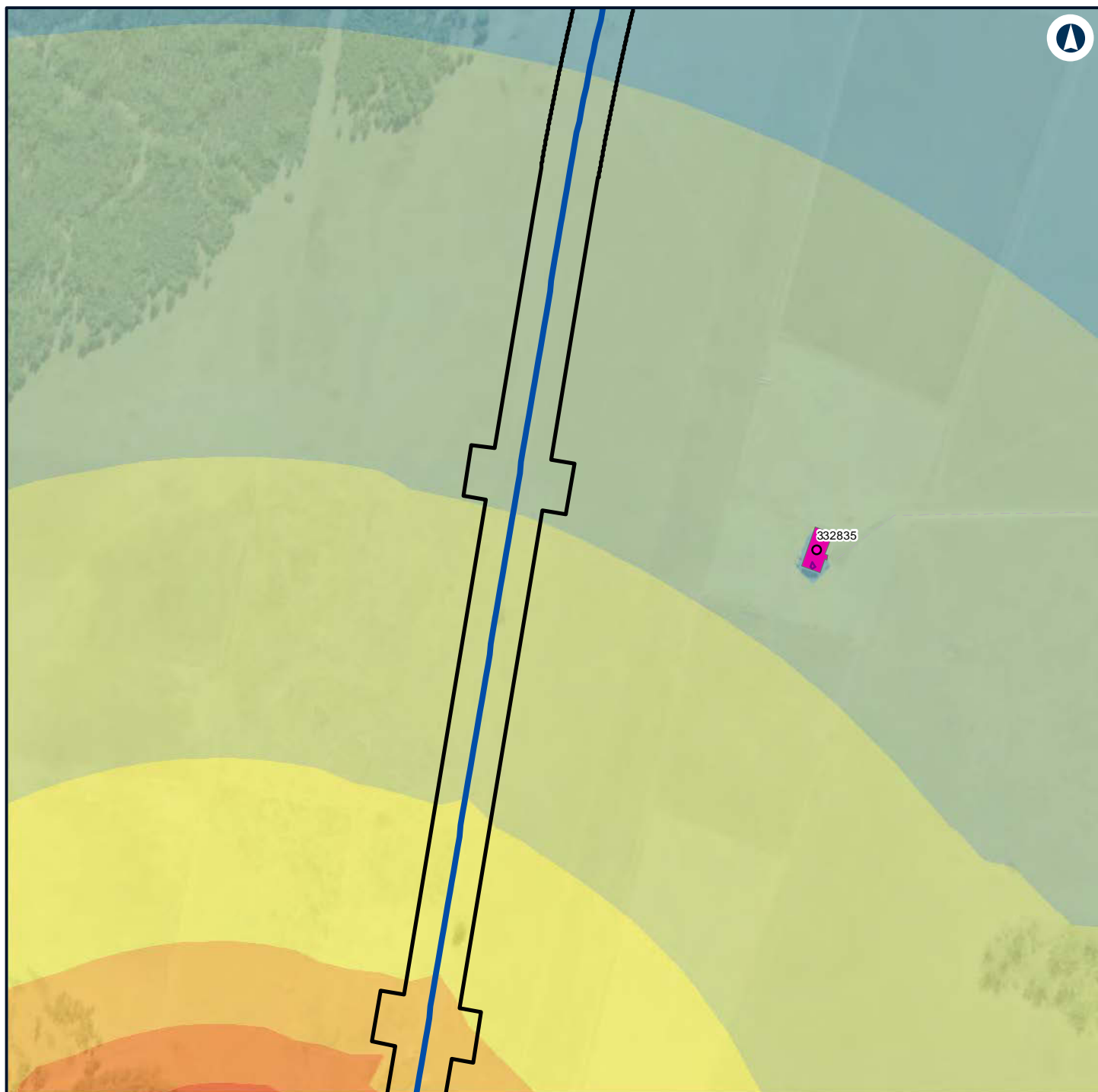
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LEGEND

- Alignment
- Construction footprint
- Structure type**
 - Residential
 - Residential
 - Night-time noise management level
- Noise level (dBA L Aeq 15 minute)**
 - 35 - 40
 - 40 - 45
 - 45 - 50
 - 50 - 55
 - 55 - 60
 - 60 - 65
 - 65 - 70



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

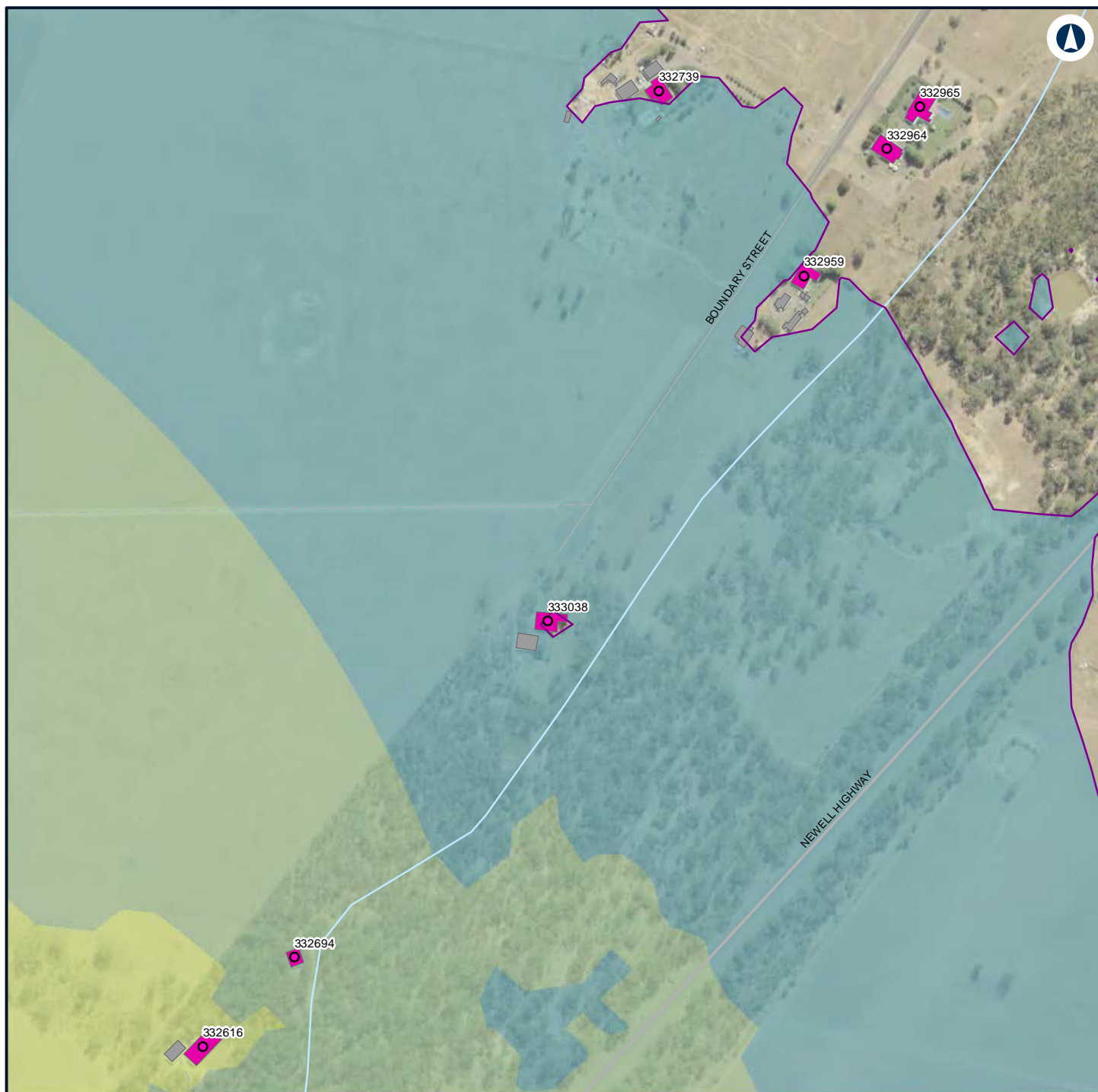
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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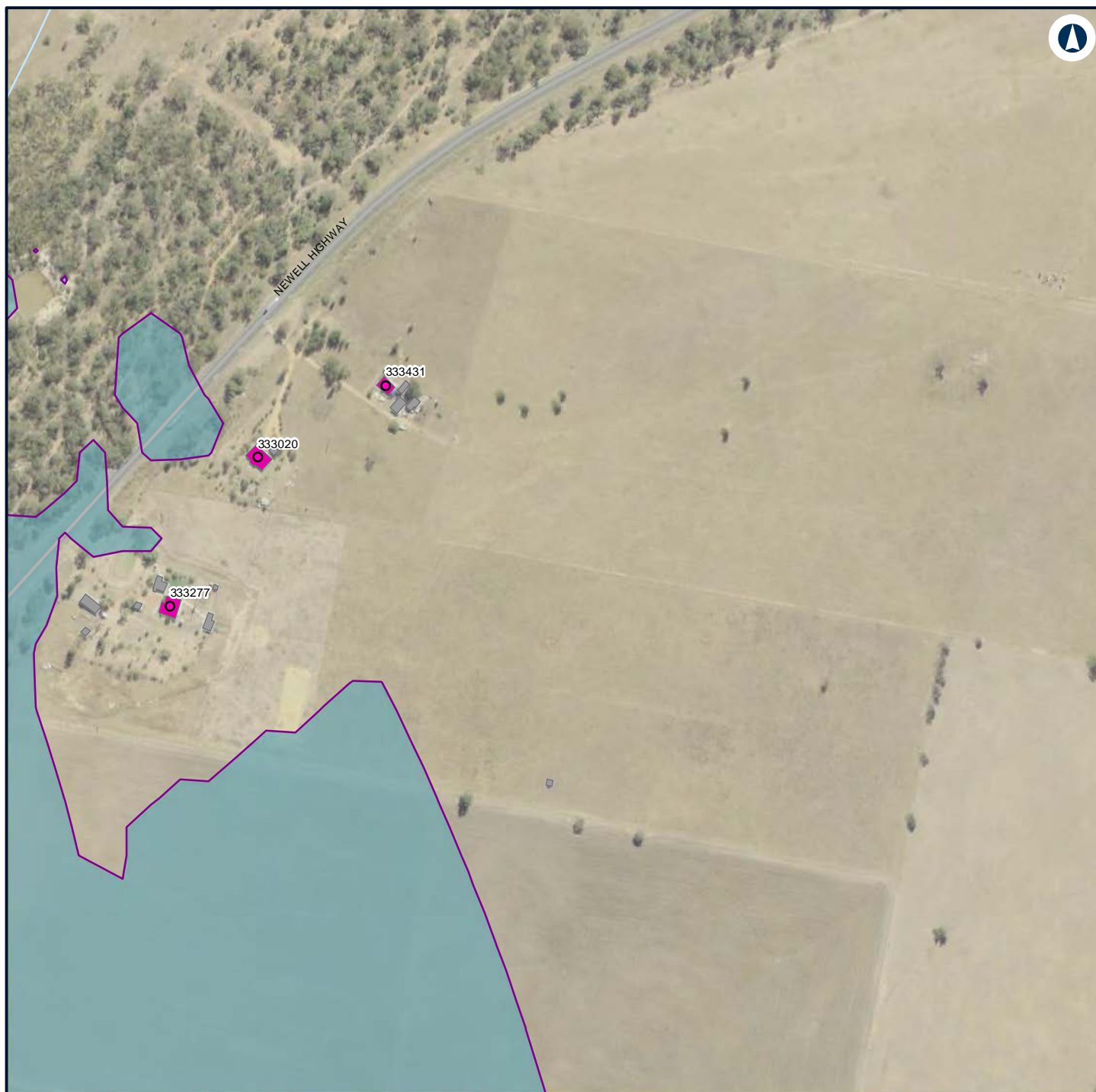
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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
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LEGEND

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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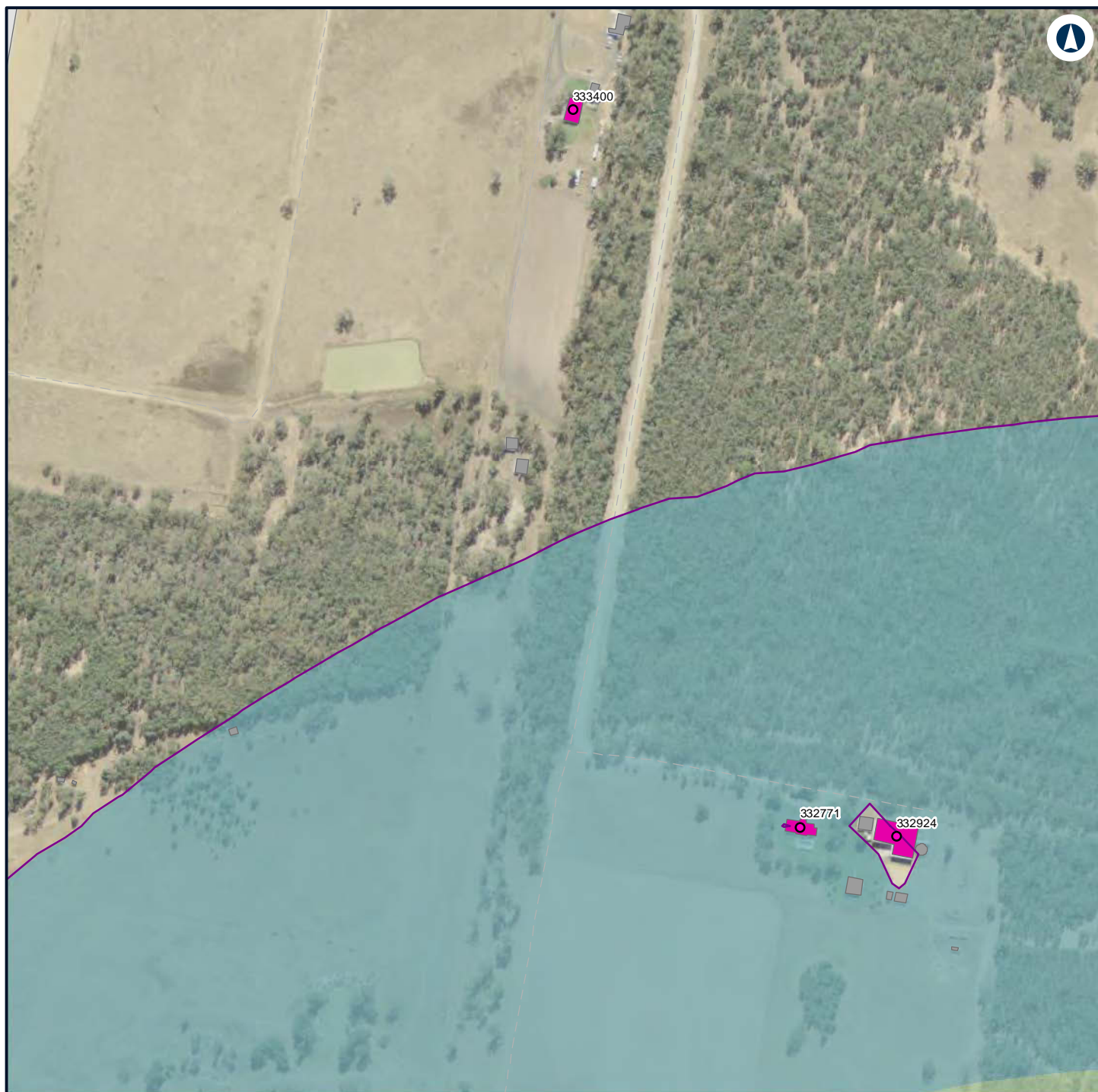
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LEGEND

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Km

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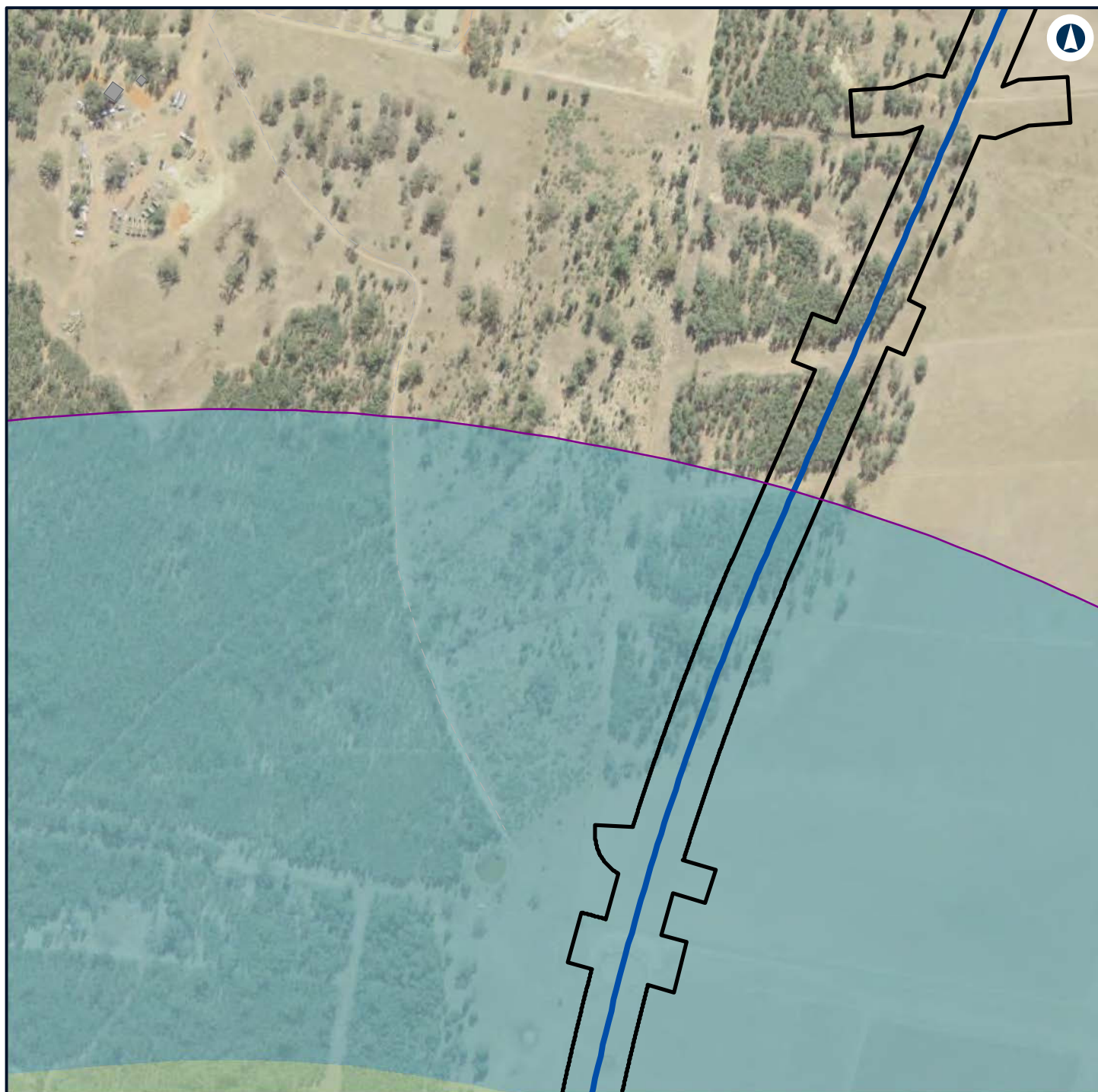
Author: GHD

Scale: 1:5,000

Data Sources: Basemap layers: NSWSS; All other layers: JacobsGHD

INLAND RAIL **ARTC**

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LEGEND

- Alignment
- Construction footprint
- Other
- Night-time noise management level

**Noise level (dBA L
Aeq 15 minute)**

	35 - 40
	40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

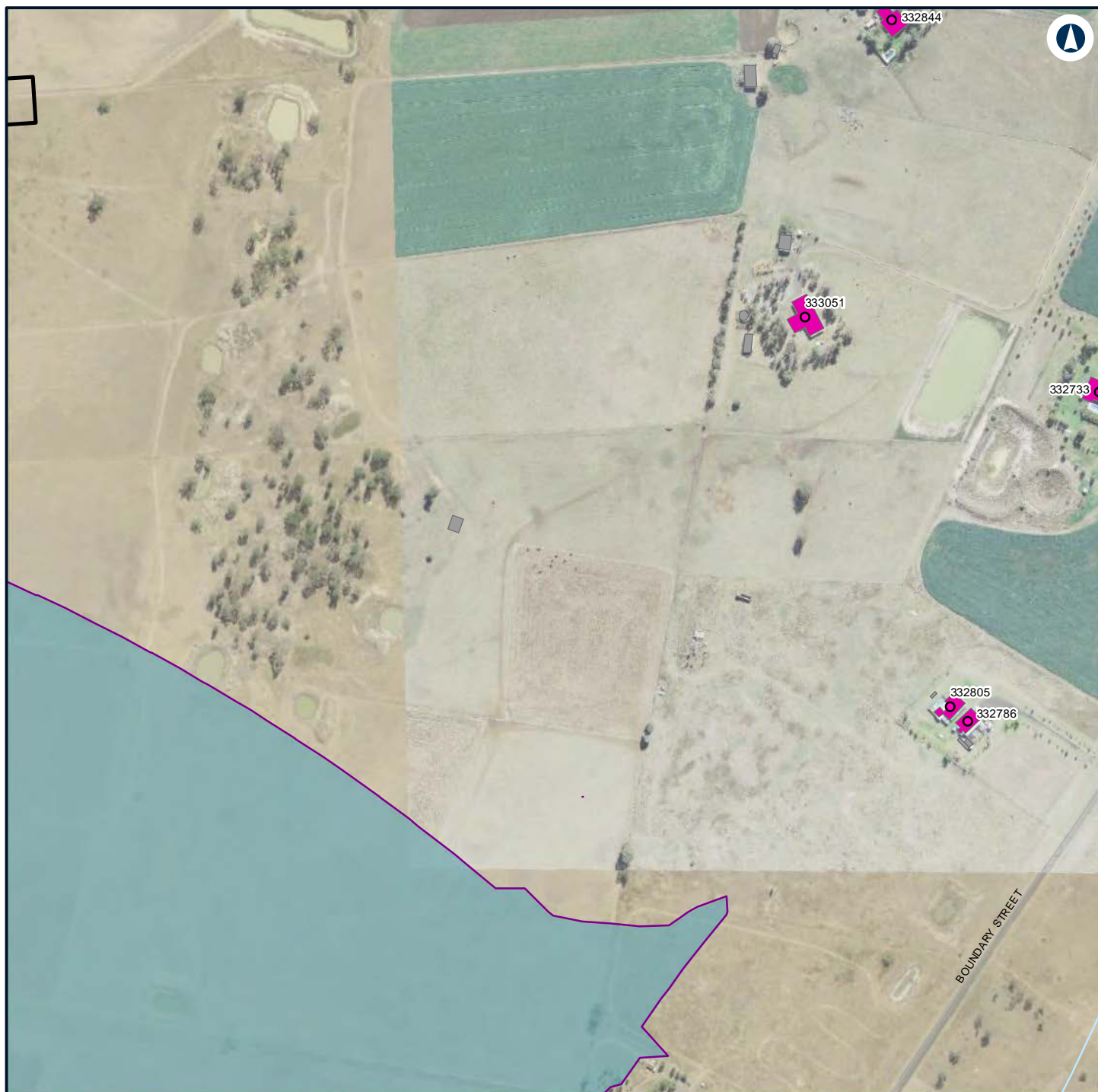
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INLAND RAIL **ARTC**

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LEGEND

Construction footprint

Structure type

Residential

Other

Residential

Night-time noise management level

**Noise level (dBA L
Aeq 15 minute)**

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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**INLAND
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LEGEND

Structure type

Residential

Other

Residential

Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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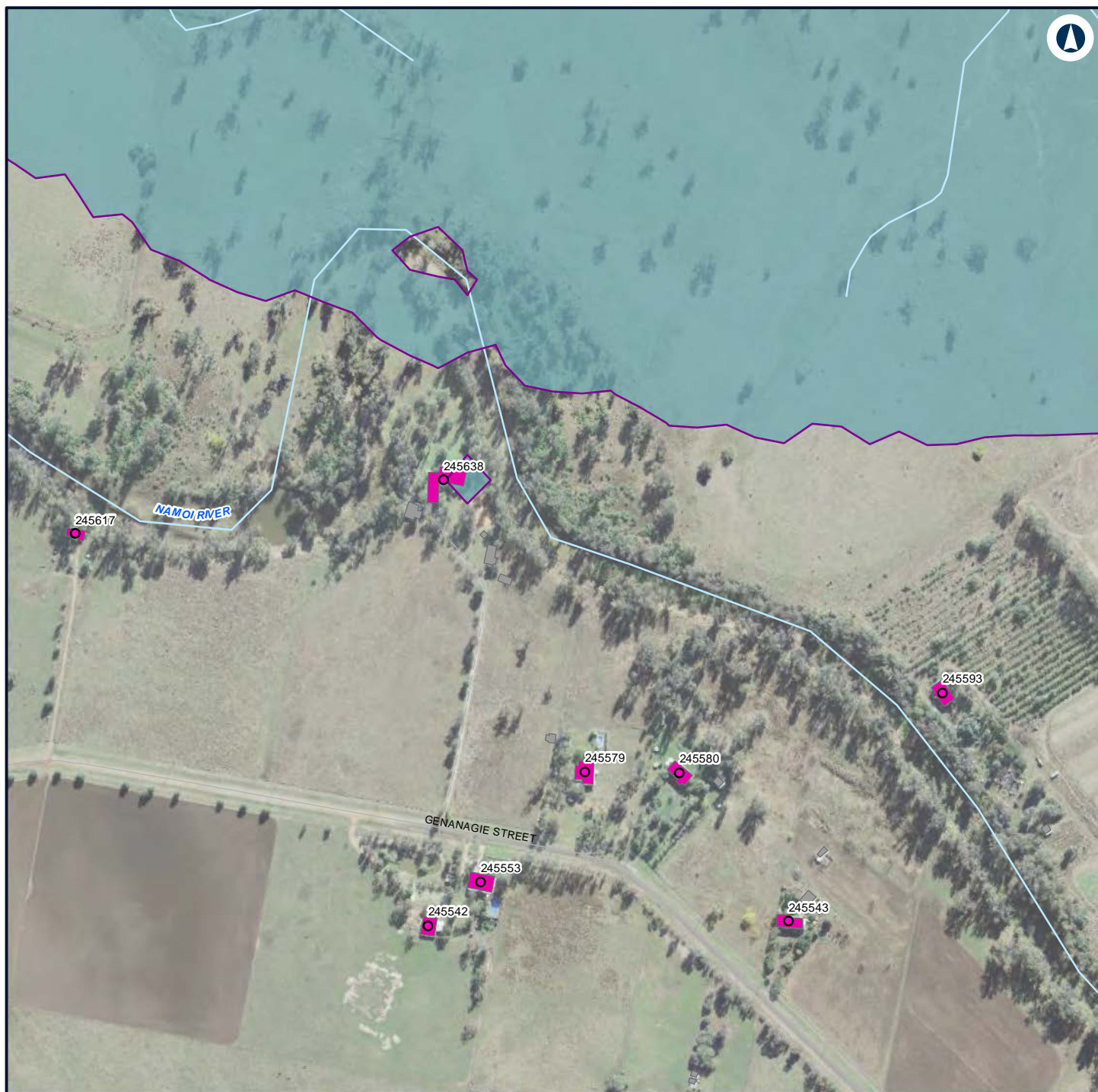
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LEGEND

Structure type

● Residential

■ Other

■ Residential

— Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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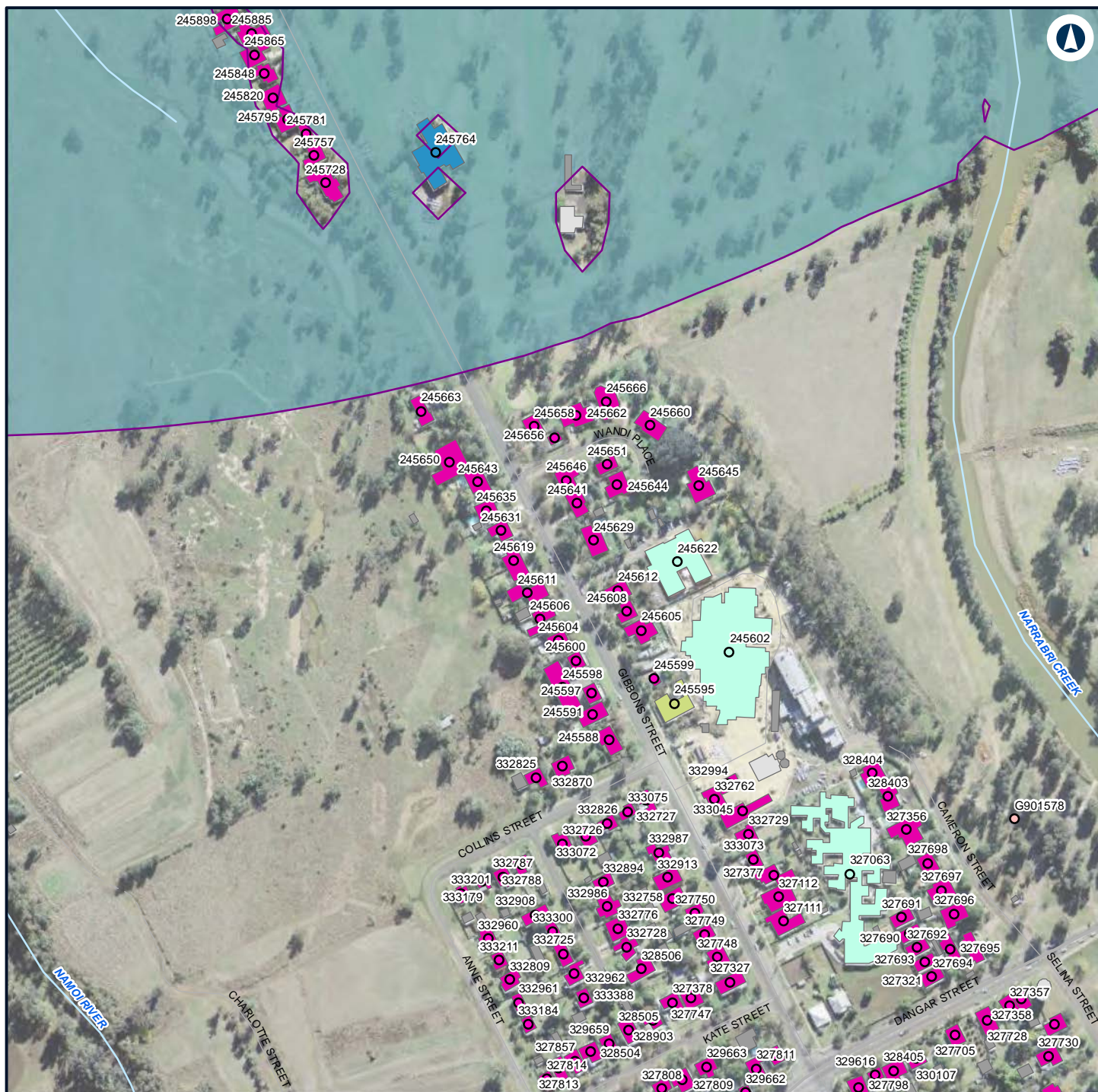
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LEGEND

Structure type

- Active recreation
- Child care facility
- Health
- Passive recreation
- Residential
- Active recreation

■ Child care facility

■ Commercial/
Industrial

■ Health

■ Other

■ Residential

— Night-time noise
management level

Noise level (dBA L

Aeq 15 minute)

■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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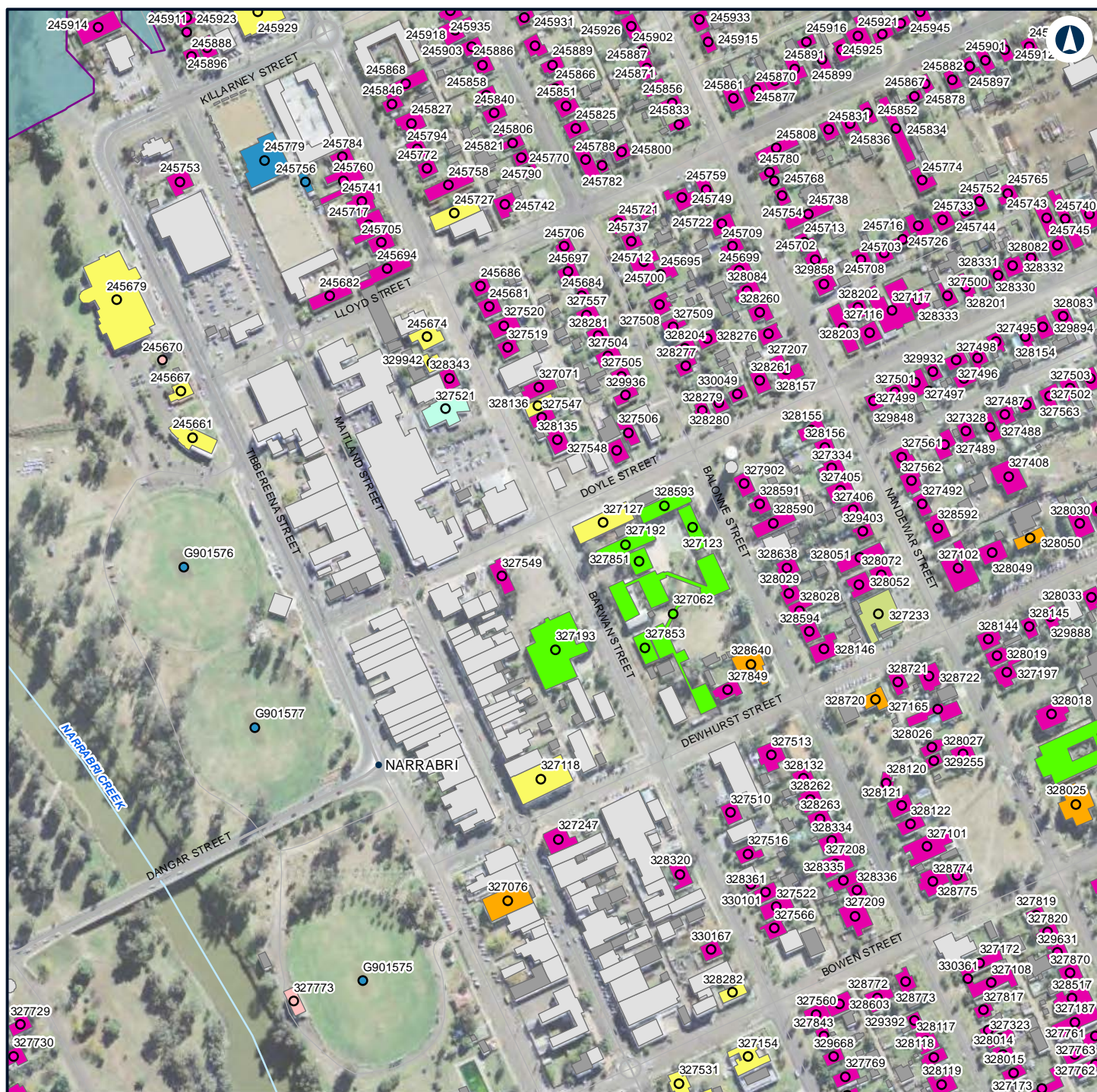
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LEGEND

Structure type

- Active recreation
- Child care facility
- Community
- Educational
- Health
- Passive recreation
- Residential
- Worship
- Active recreation
- Child care facility
- Commercial/Industrial
- Community
- Educational
- Health
- Other
- Passive recreation
- Residential
- Worship

Noise level (dBA L)

Aeq 15 minute)

35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Structure type**
 - Residential
 - Other
 - Residential
- Night-time noise management level
- Noise level (dBA L Aeq 15 minute)**
 - 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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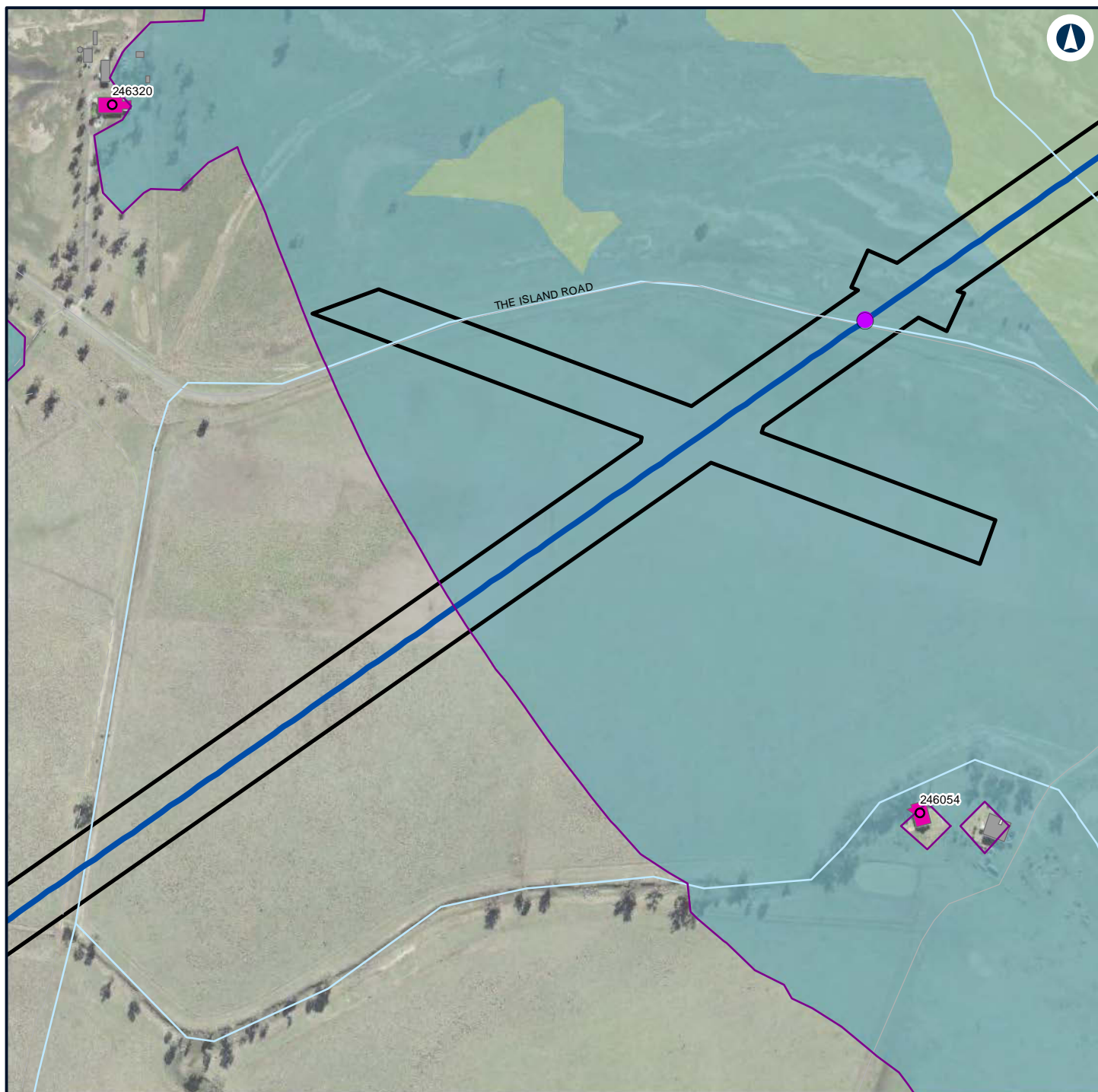
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LEGEND

- Alignment
 - Construction footprint
 - Structure type**
 - Residential
 - Other
 - Residential
 - Night-time noise management level
- Noise level (dBA L Aeq 15 minute)**
- 35 - 40
 - 40 - 45



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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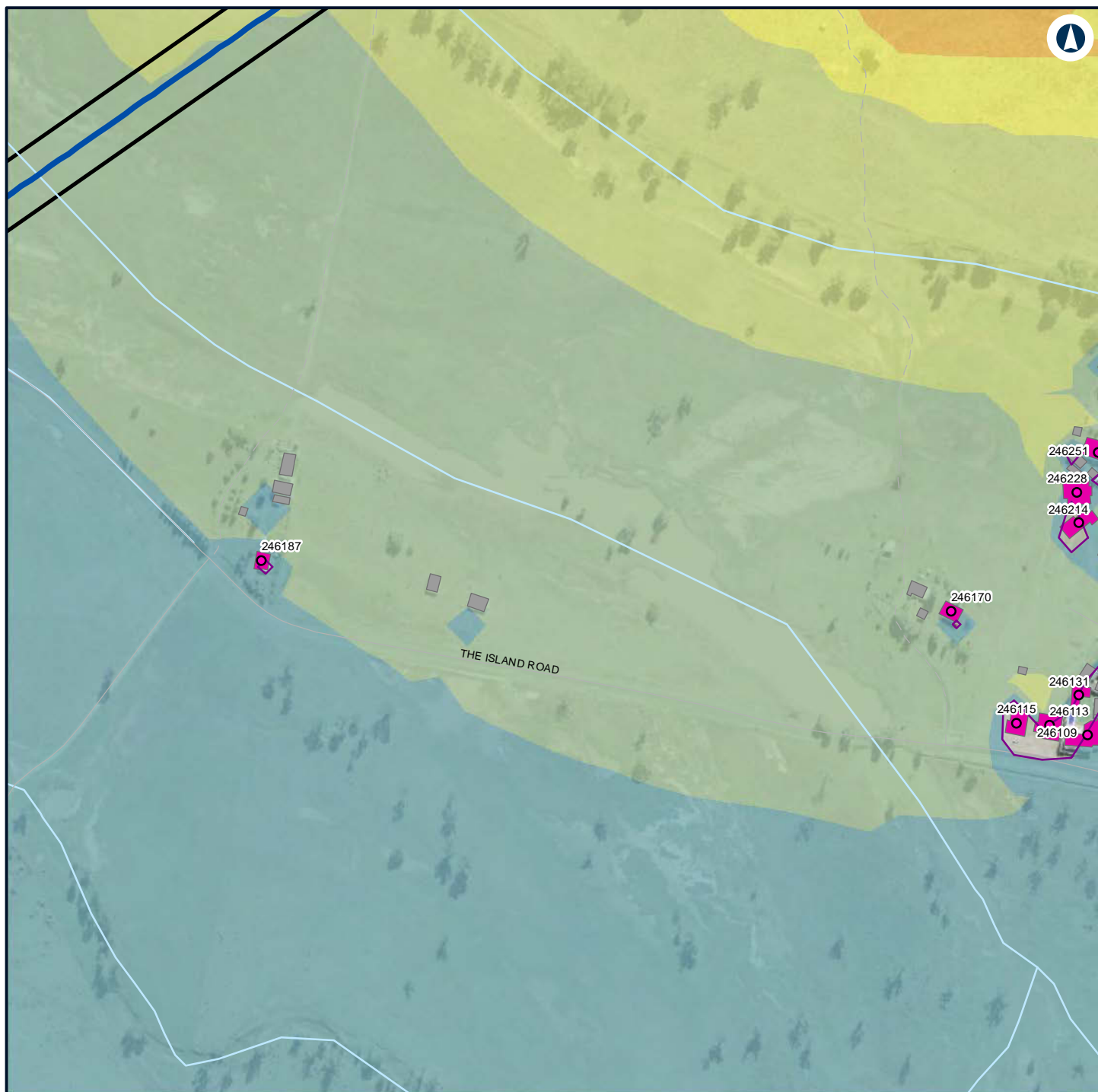
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LEGEND

Alignment
Construction footprint

Structure type

Residential
Other
Residential

Night-time noise management level

Noise level (dBA L) Aeq 15 minute)

35 - 40
40 - 45
45 - 50
50 - 55

55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

Coordinate System: GDA 1994 MGA Zone 55

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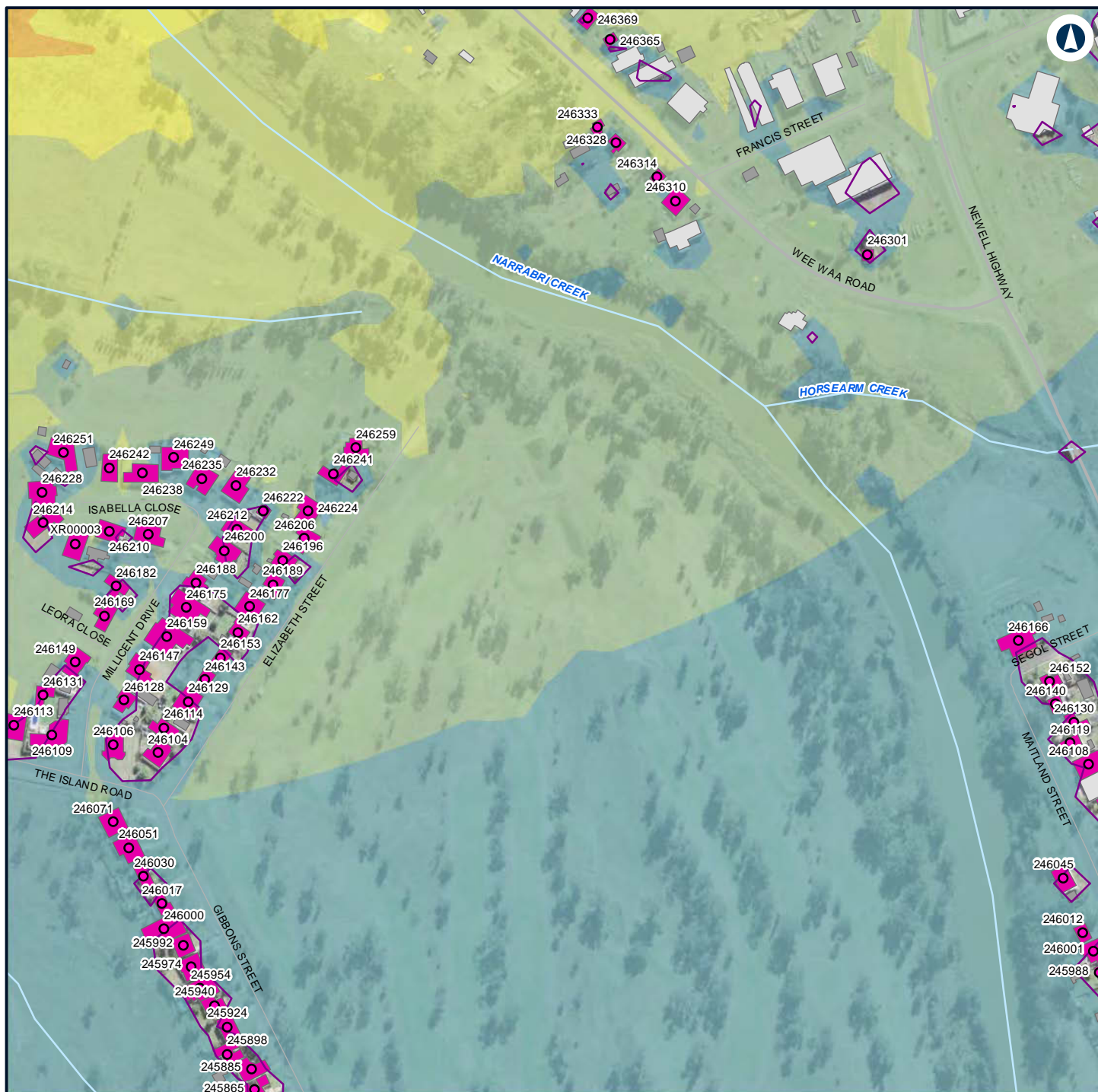
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LEGEND

Structure type

- Residential
- Commercial/Industrial
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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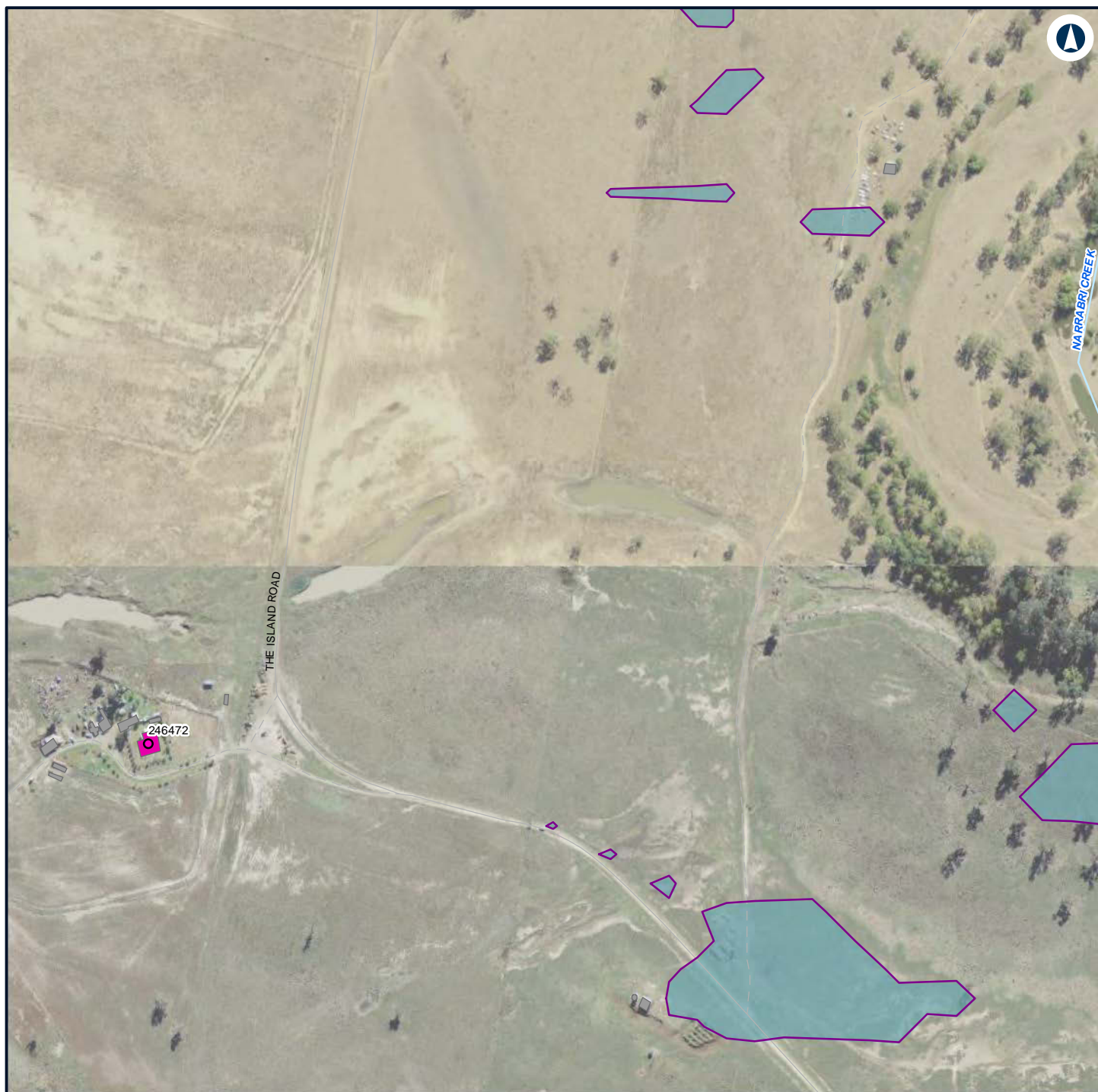
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)
■ 35 - 40



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
 Km

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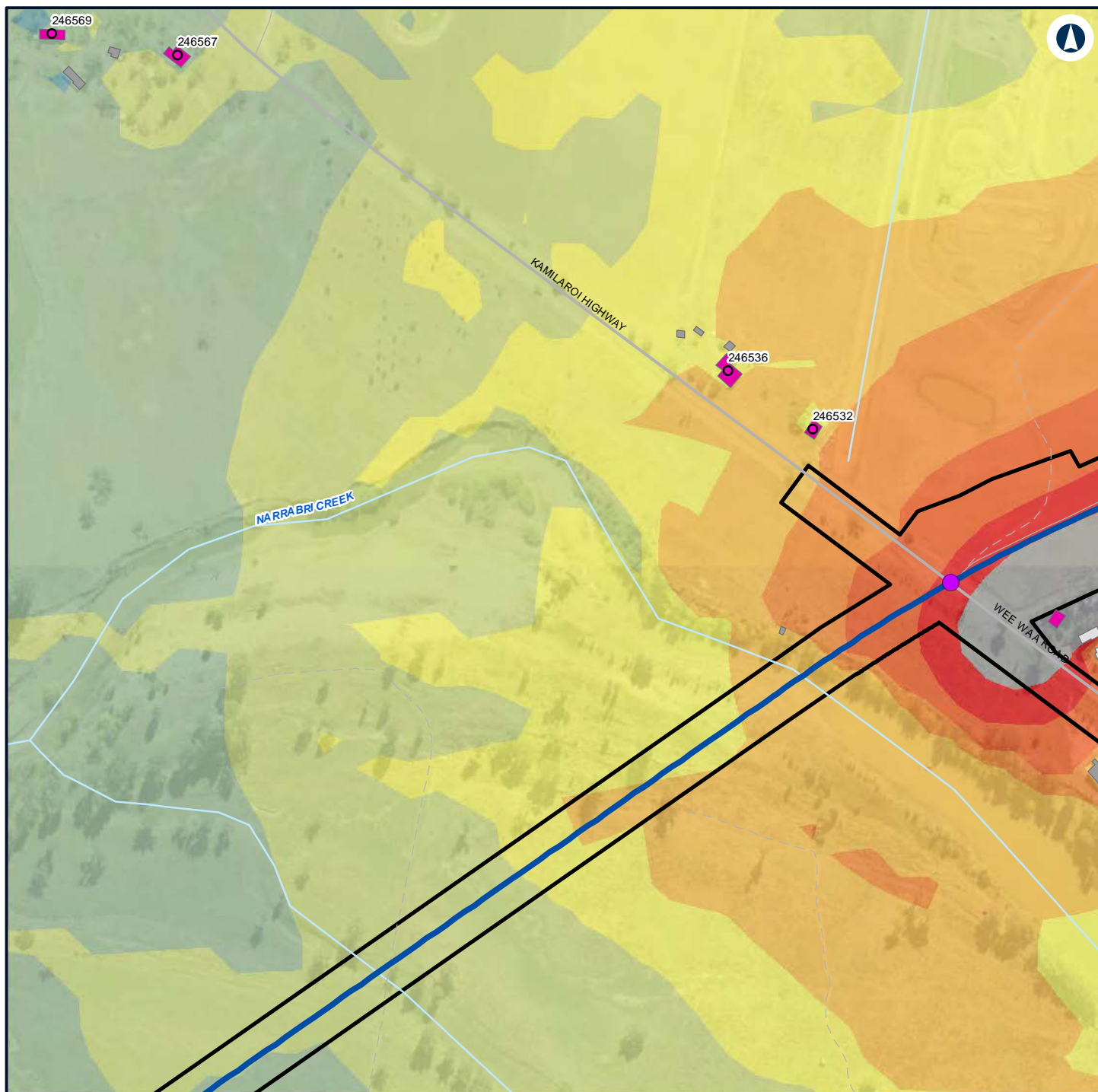
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LEGEND

Alignment	Residential	55 - 60
Construction footprint	Noise level (dBA L Aeq 15 minute)	60 - 65
Structure type	35 - 40	65 - 70
Residential	40 - 45	70 - 75
Commercial/Industrial	45 - 50	> 75
Other	50 - 55	



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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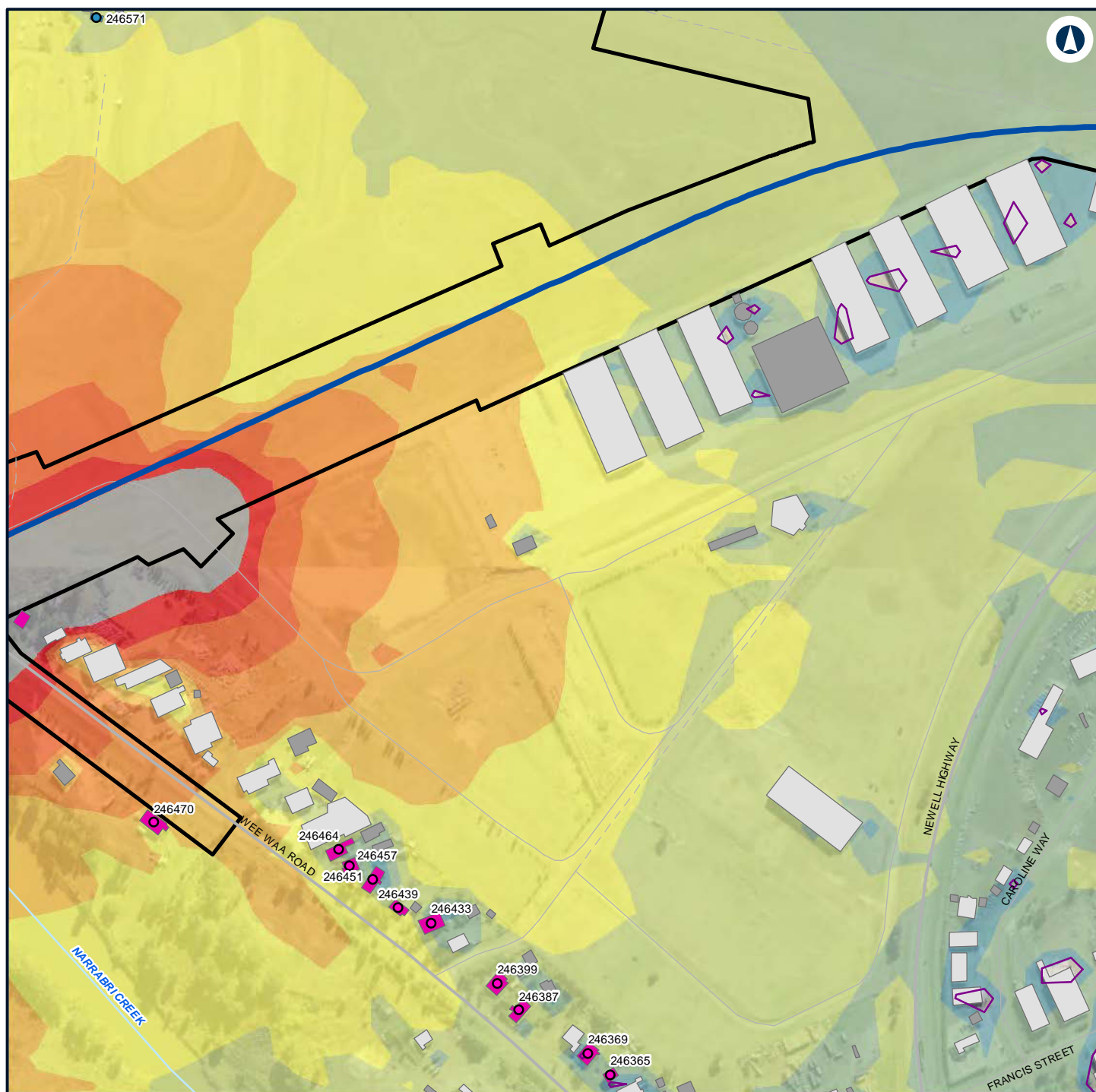
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LEGEND

Alignment

Construction footprint

Structure type

Active recreation

Residential

Active recreation

Commercial/Industrial

Other

Residential

Night-time noise management level

Noise level (dBA L
Aeq 15 minute)

35 - 40

40 - 45

45 - 50

50 - 55

55 - 60

60 - 65

65 - 70

70 - 75

> 75



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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LEGEND

- Alignment
- Construction footprint
- Commercial/Industrial
- Other
- Night-time noise management level

**Noise level (dBA L
Aeq 15 minute)**

	35 - 40
	40 - 45
	45 - 50



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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Km

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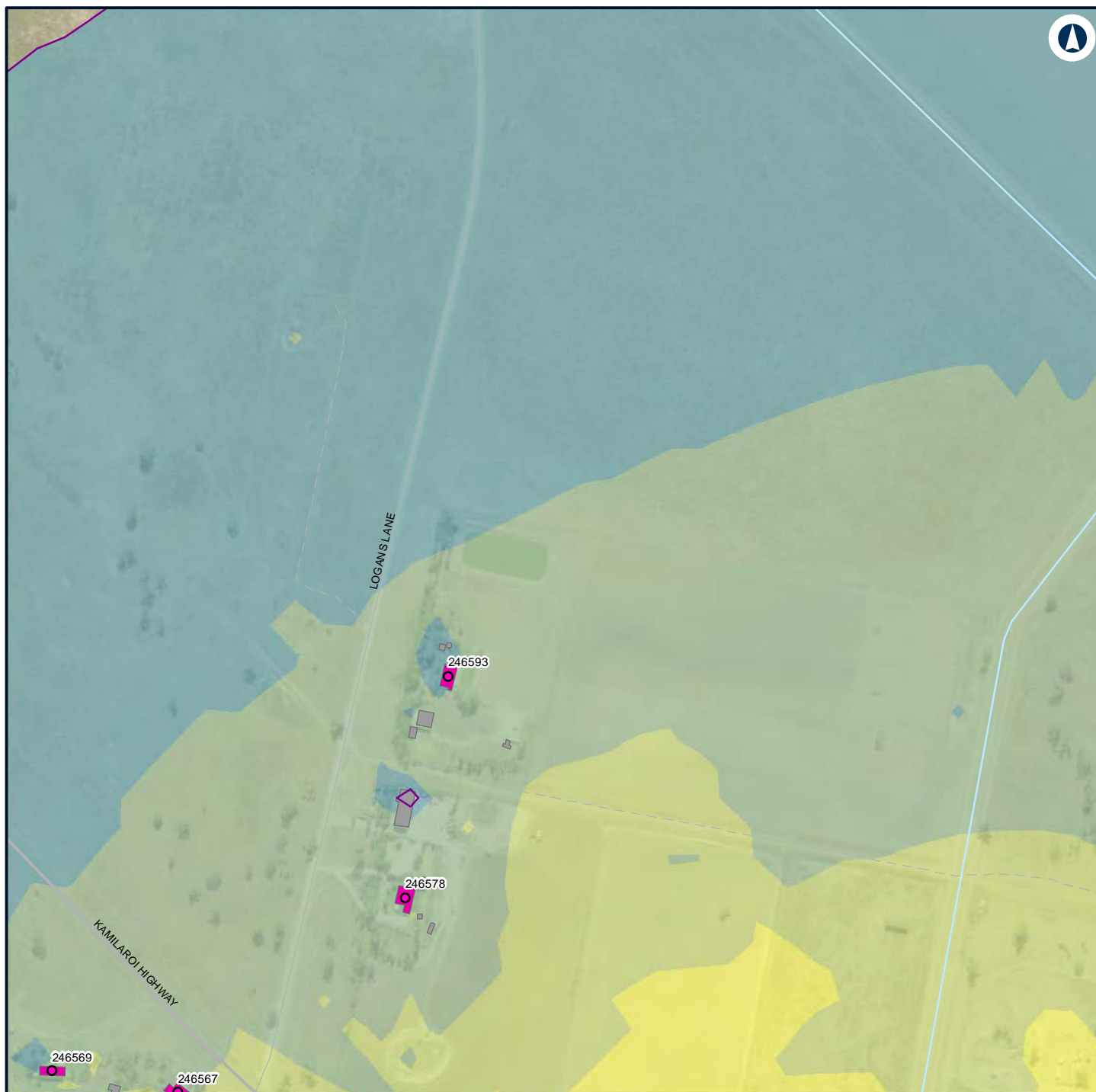
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LEGEND

Structure type

- Residential
- Other
- Residential
- Night-time noise management level

Noise level (dBA L

Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
Km

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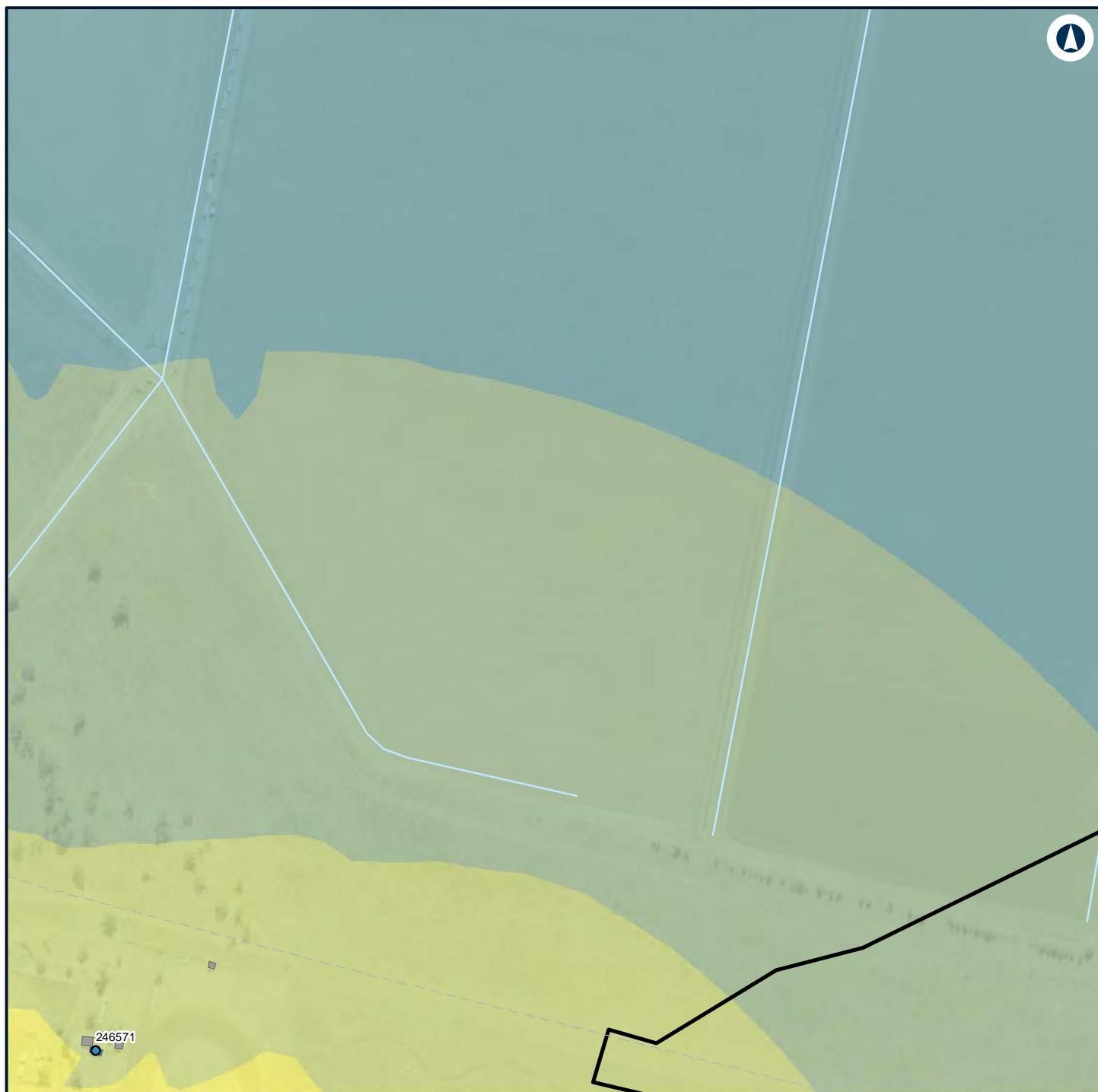
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LEGEND

Construction footprint

Structure type

- Active recreation
- Active recreation
- Other

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55



NARROMINE TO NARRABRI

Construction noise contours, Scenario ROAD03 - Road Earthworks

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0 0.1 0.2
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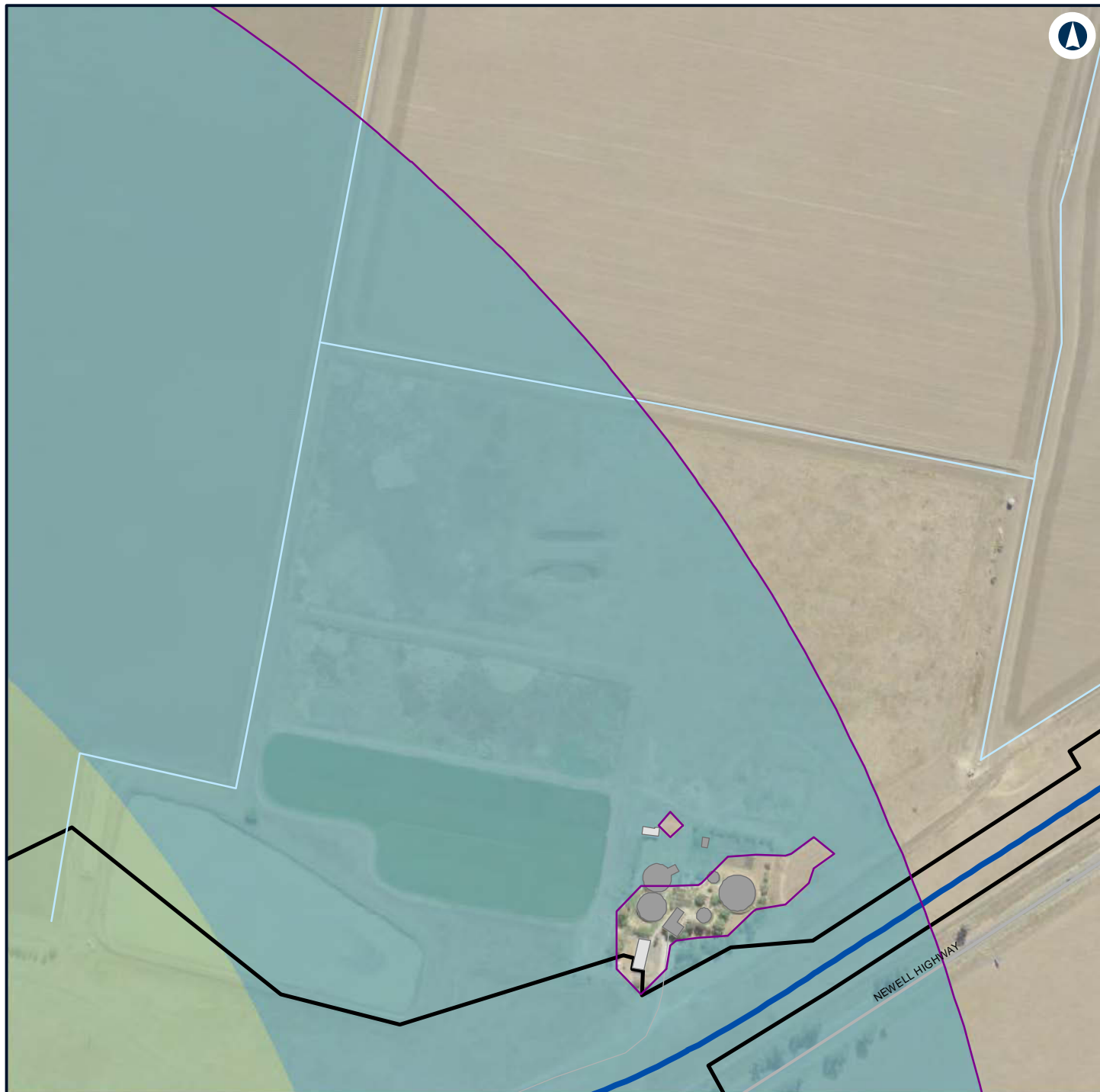
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LEGEND

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- Construction footprint
- Commercial/Industrial
- Other
- Night-time noise management level

Noise level (dBA L Aeq 15 minute)

- 35 - 40
- 40 - 45



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Construction noise contours, Scenario ROAD03 - Road Earthworks

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