# Appendix E Airborne Operational Rail Noise Contours – Future Scenario

Sheet 1

# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Surface Track
- NWRL Tunnel Track
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

1. Aerial photography © Transport for NSW
2. Digital Cadastral Database © LPMA 2012
3. IGANRIP $L_{Amax}$ trigger level is 80 dBA
4. Noise contours calculated at 4.5m above ground


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Prepared for:
**Transport for NSW**

Project No: **610.10597**

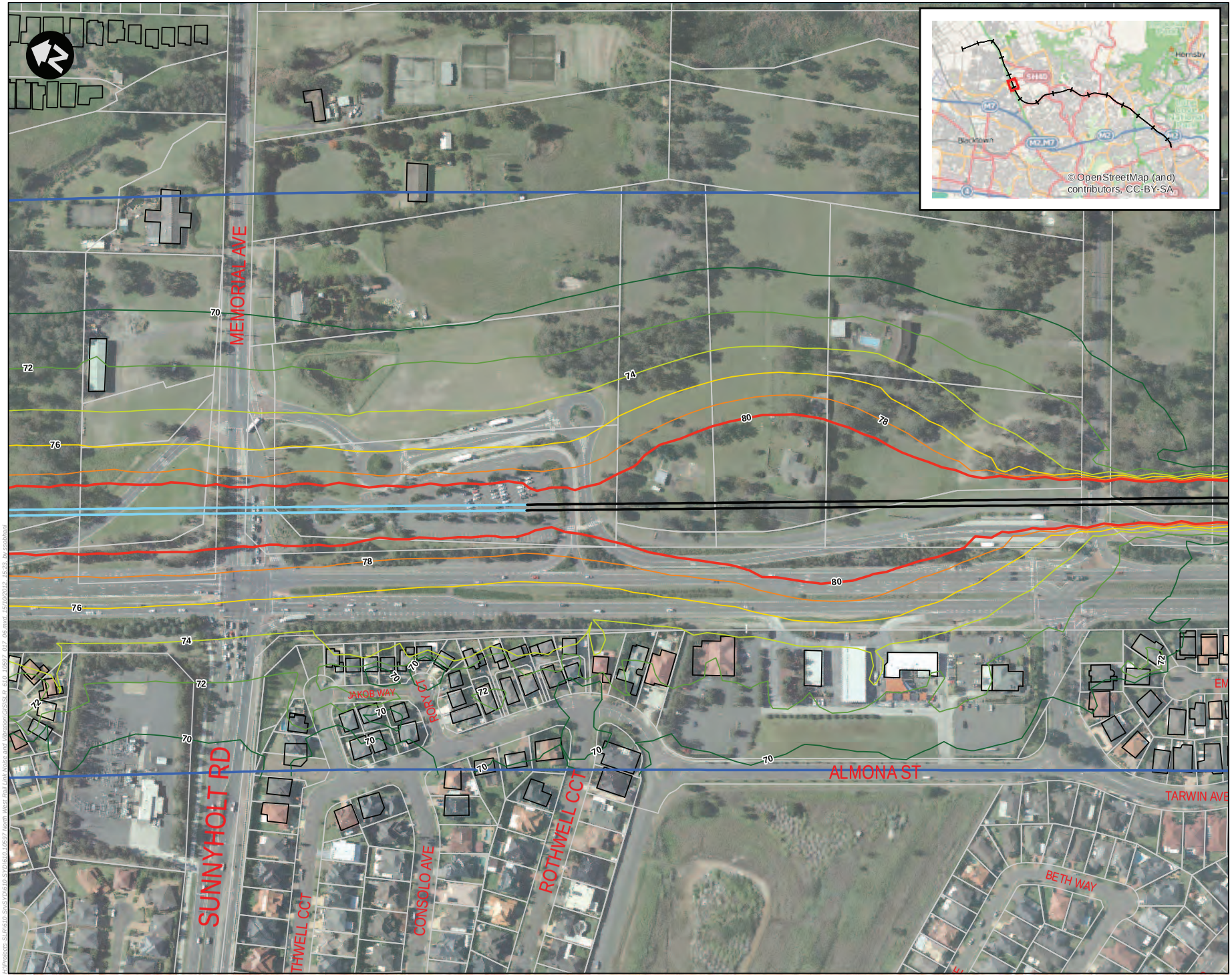
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Sheet 2

# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Surface Track
- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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Sheet 3

# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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Sheet 4

# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

1. Aerial photography © Transport for NSW
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4. Noise contours calculated at 4.5m above ground


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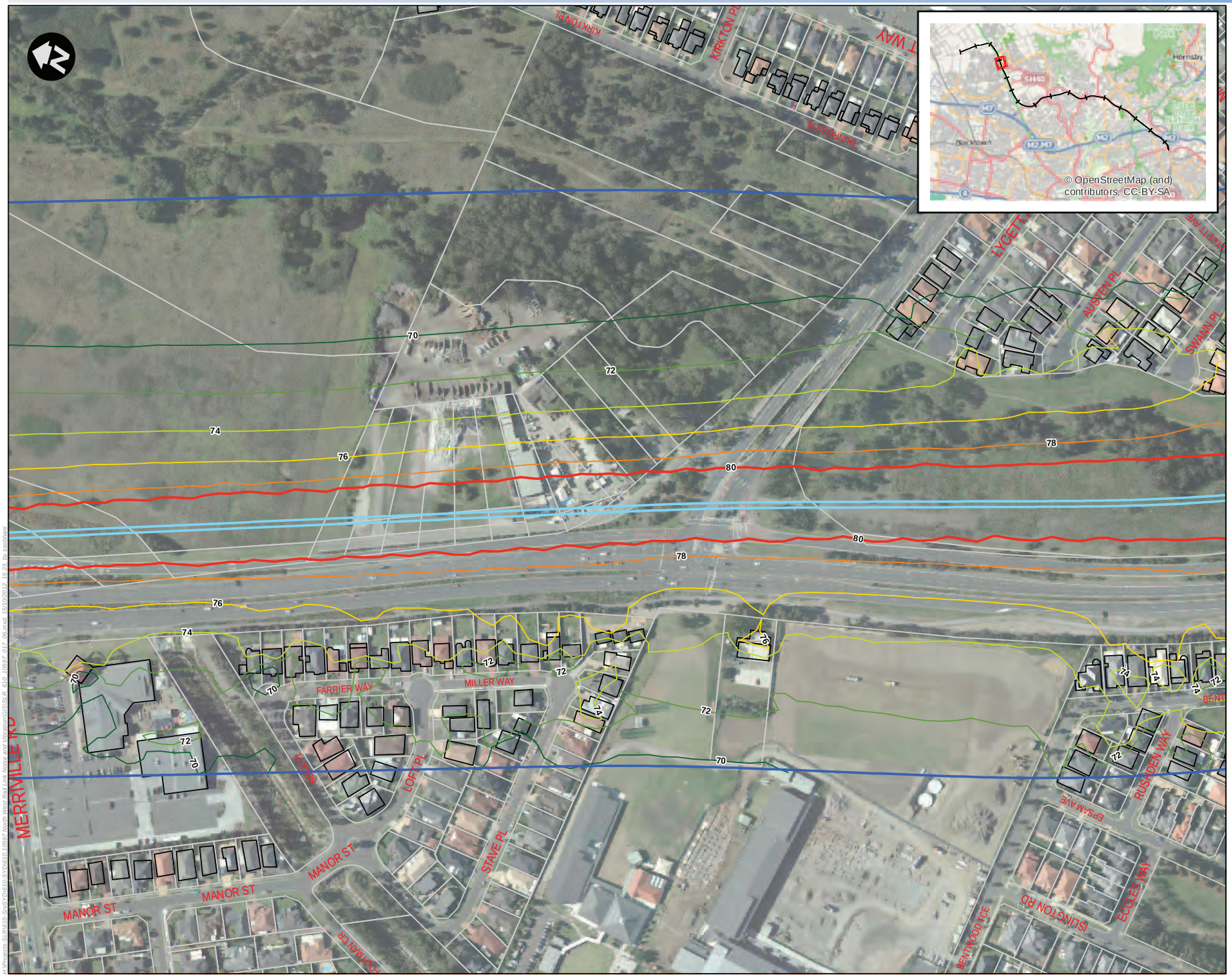
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Sheet 5

# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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4. Noise contours calculated at 4.5m above ground


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Sheet 6

# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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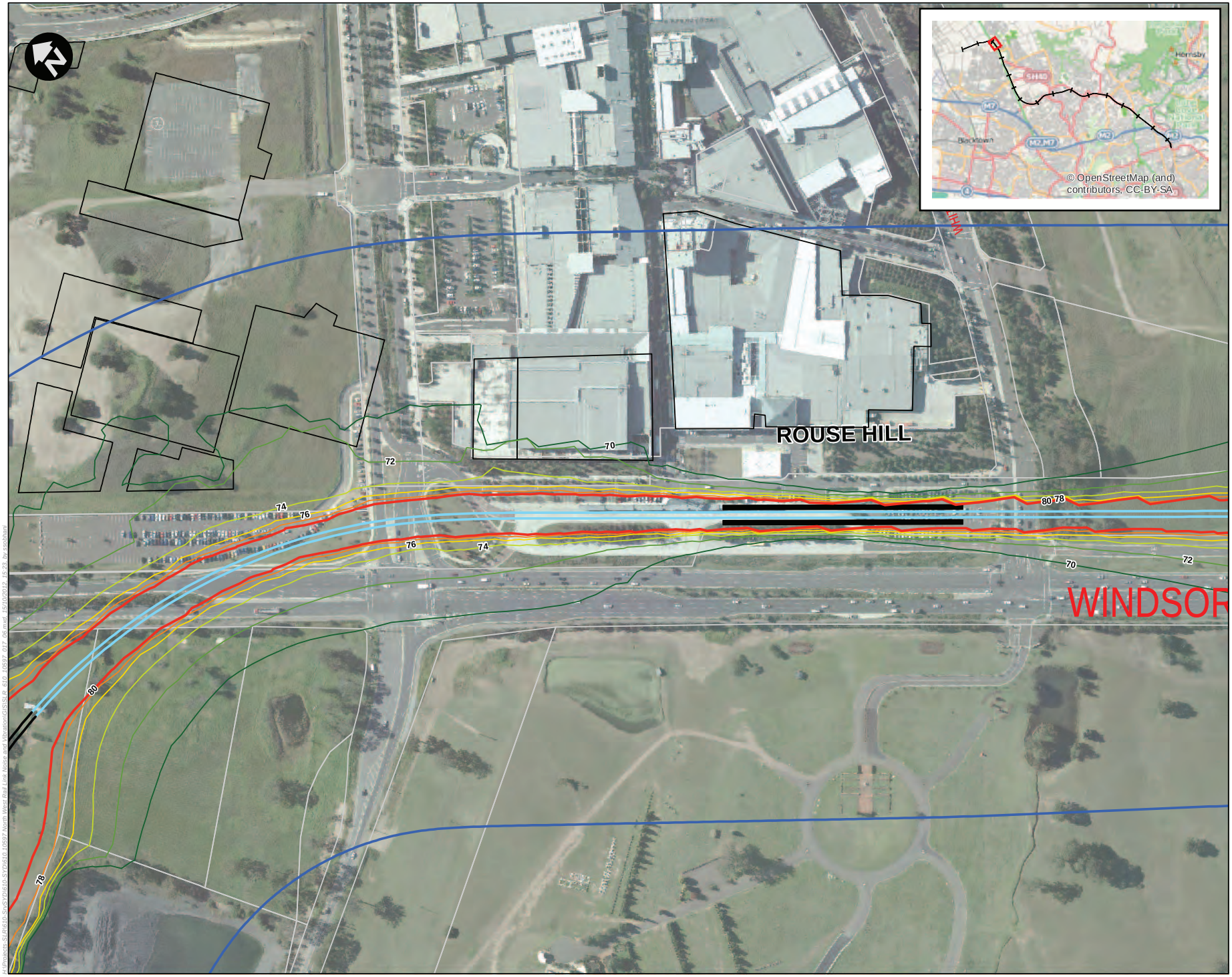
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Sheet 7

# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Surface Track
- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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4. Noise contours calculated at 4.5m above ground


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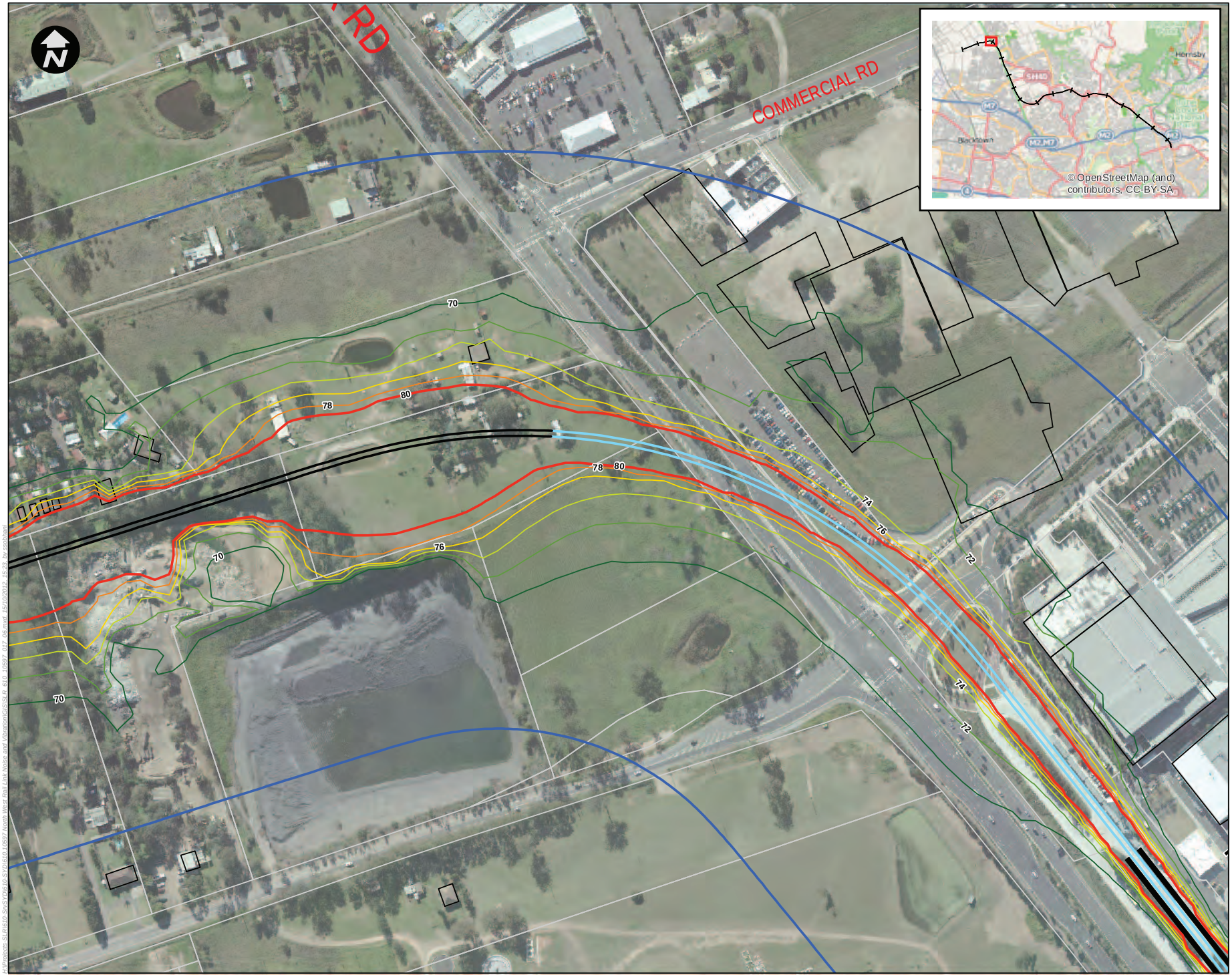
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Sheet 8

# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Surface Track
- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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4. Noise contours calculated at 4.5m above ground


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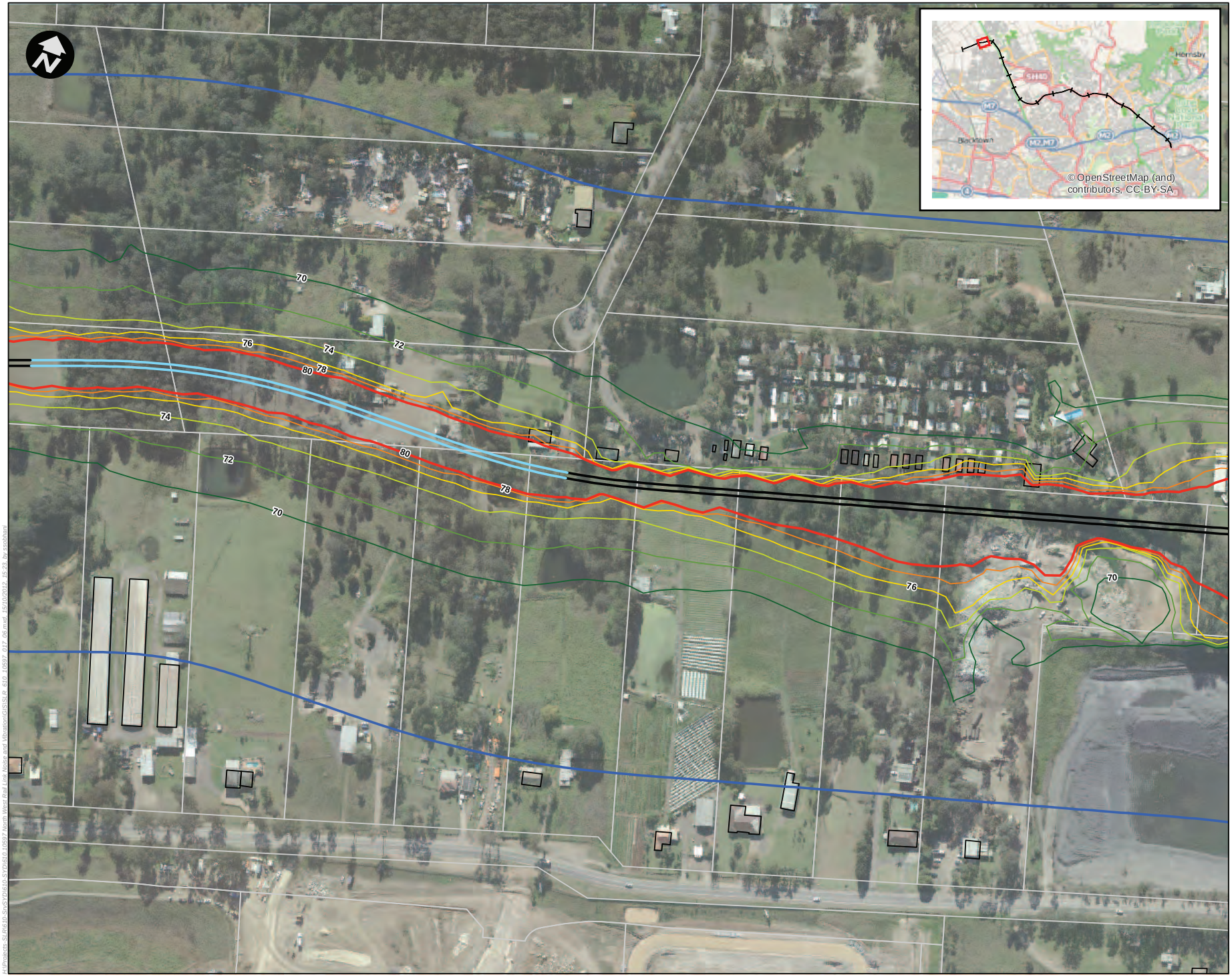
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Sheet 9

# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Surface Track
- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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4. Noise contours calculated at 4.5m above ground


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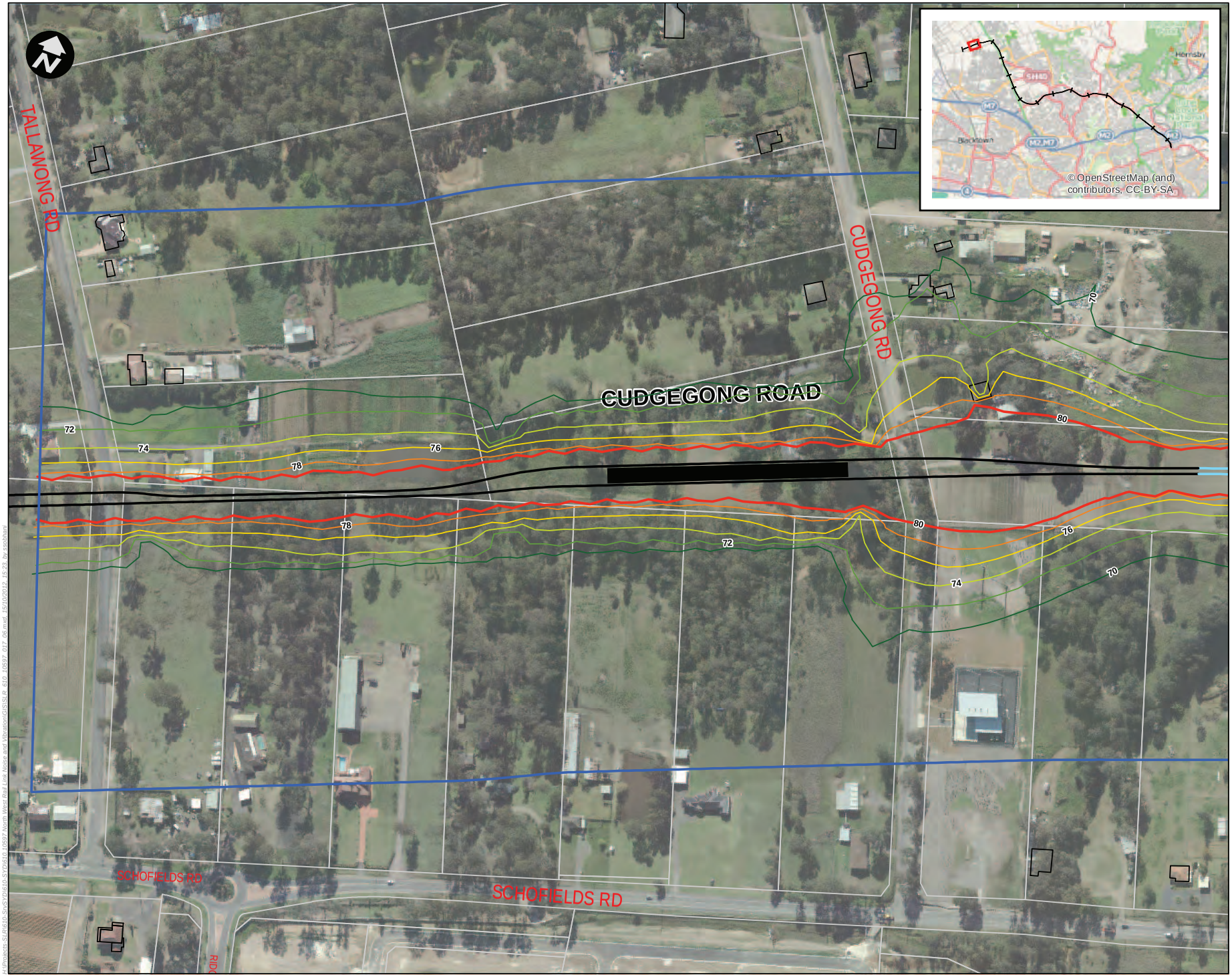
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# NWRL Airborne Noise - $L_{Amax}$




## LEGEND

- NWRL Surface Track
- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Amax}$

- 70 dBA
- 72 dBA
- 74 dBA
- 76 dBA
- 78 dBA
- 80 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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Sheet 1

# NWRL Airborne Noise - $L_{Aeq\ (15hour)}$ Daytime




## LEGEND

- NWRL Surface Track
- NWRL Tunnel Track
- Modelled Building Outline
- Calculation Area

$L_{Aeq}$

- 52 dBA
- 54 dBA
- 56 dBA
- 58 dBA
- 60 dBA
- 62 dBA

0 12.5 25 50 75 100
Metres

## NOTES

1. Aerial photography © Transport for NSW
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3. IGANRIP $L_{Aeq\ (15hour)}$ trigger level is 60 dBA
4. Noise contours calculated at 4.5m above ground


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Sheet 2

# NWRL Airborne Noise - $L_{Aeq\ (15hour)}$ Daytime




## LEGEND

- NWRL Surface Track
- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Aeq}$

- 52 dBA
- 54 dBA
- 56 dBA
- 58 dBA
- 60 dBA
- 62 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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4. Noise contours calculated at 4.5m above ground


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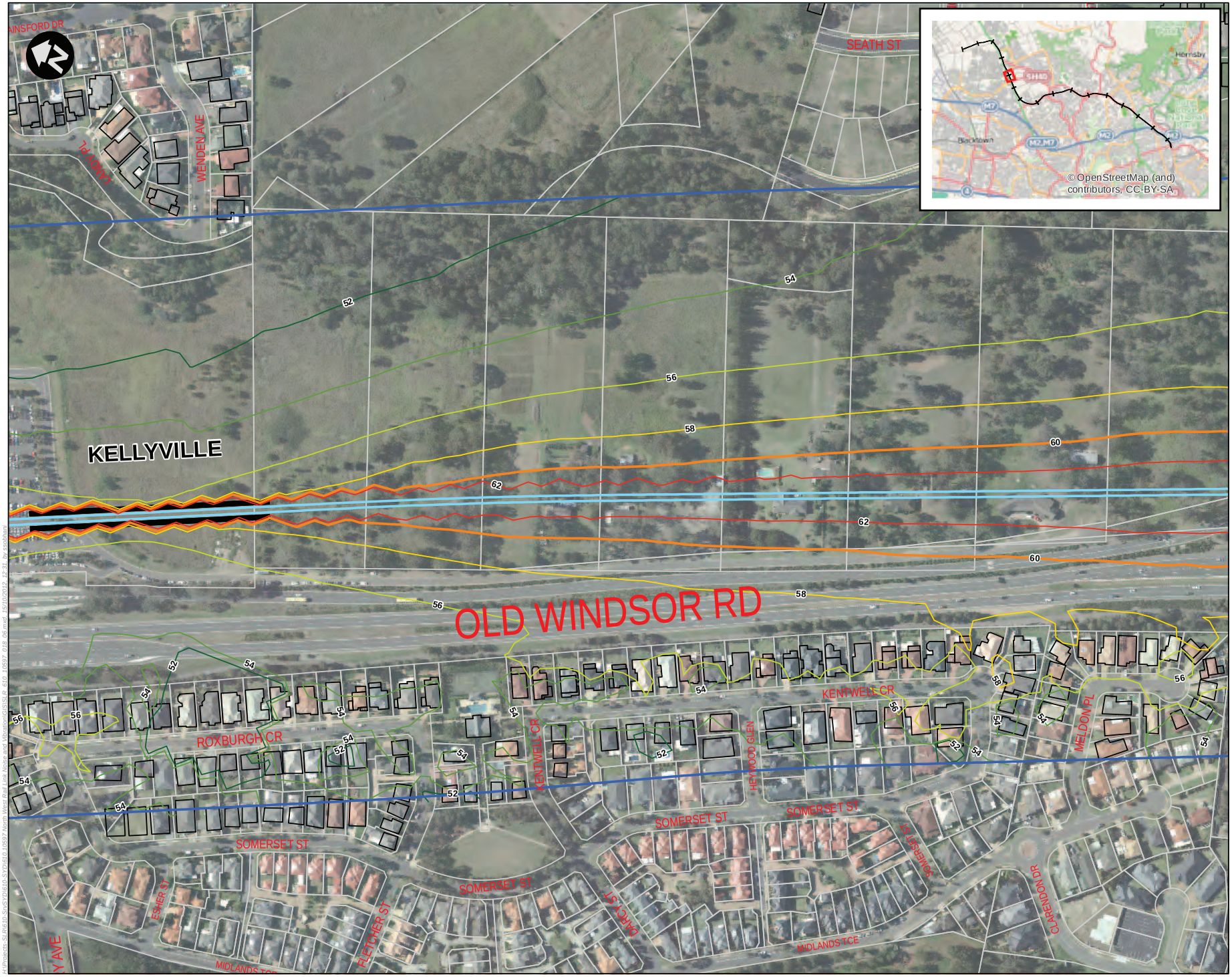
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Sheet 3

# NWRL Airborne Noise - $L_{Aeq\ (15hour)}$ Daytime







## LEGEND

- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Aeq}$

- 52 dBA
- 54 dBA
- 56 dBA
- 58 dBA
- 60 dBA
- 62 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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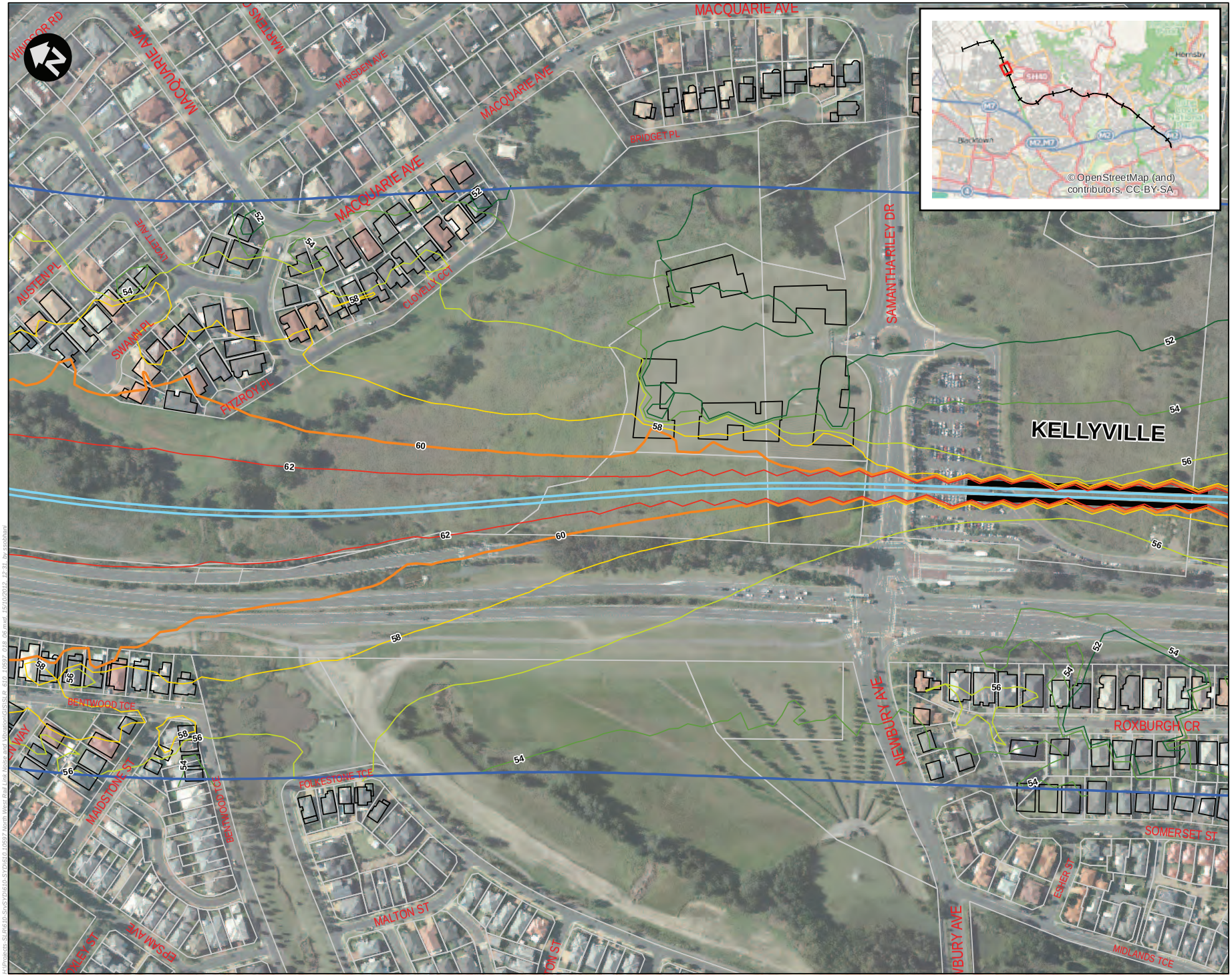
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Sheet 4

# NWRL Airborne Noise - $L_{Aeq\ (15hour)}$ Daytime




## LEGEND

- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Aeq}$

- 52 dBA
- 54 dBA
- 56 dBA
- 58 dBA
- 60 dBA
- 62 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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Sheet 5

# NWRL Airborne Noise - $L_{Aeq\ (15hour)}$ Daytime







## LEGEND

- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Aeq}$

- 52 dBA
- 54 dBA
- 56 dBA
- 58 dBA
- 60 dBA
- 62 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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Sheet 6

# NWRL Airborne Noise - $L_{Aeq\ (15hour)}$ Daytime




## LEGEND

- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Aeq}$

- 52 dBA
- 54 dBA
- 56 dBA
- 58 dBA
- 60 dBA
- 62 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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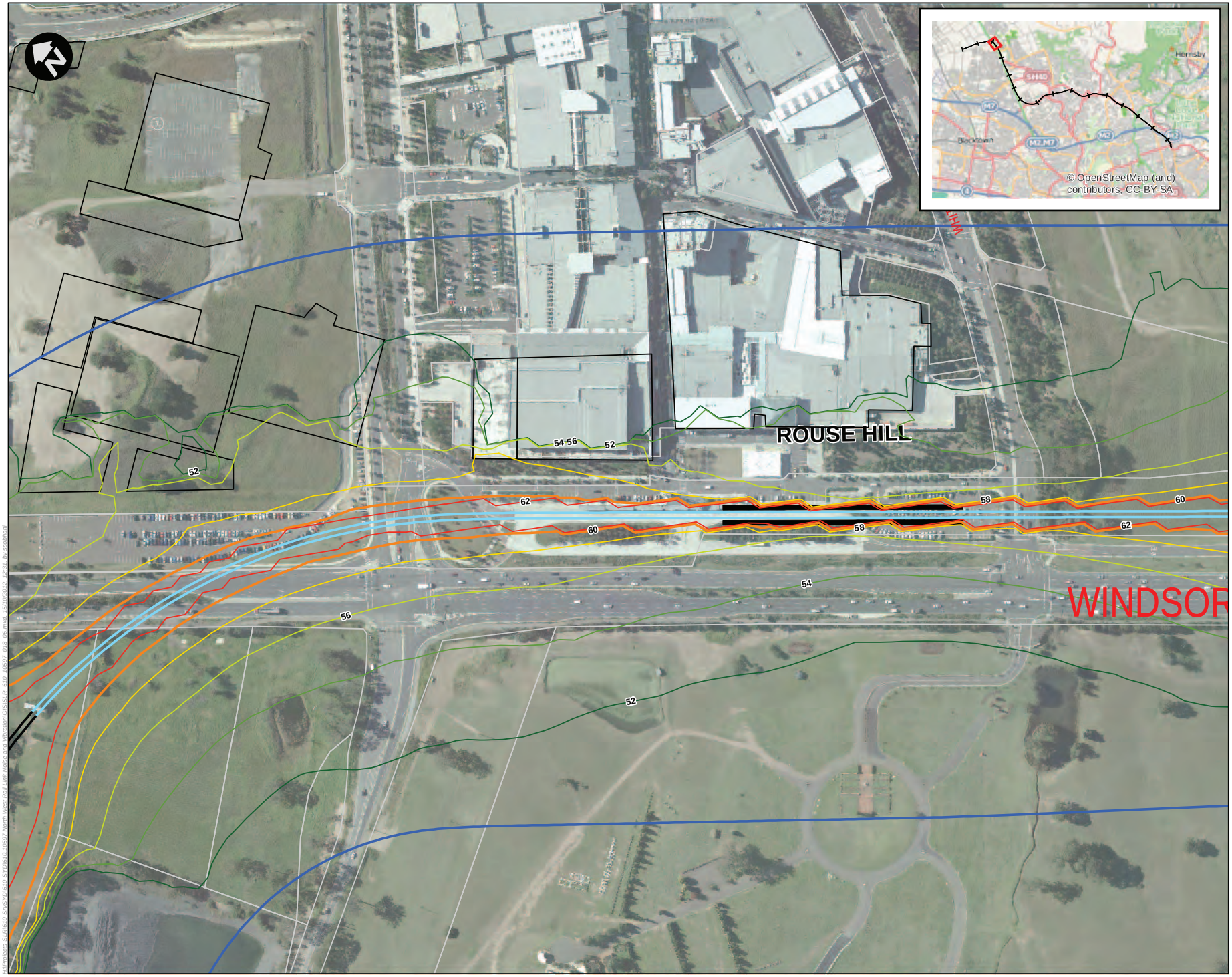
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Sheet 7

# NWRL Airborne Noise - $L_{Aeq\ (15hour)}$ Daytime




## LEGEND

- NWRL Surface Track
- NWRL Viaduct
- Modelled Building Outline
- Calculation Area

$L_{Aeq}$

- 52 dBA
- 54 dBA
- 56 dBA
- 58 dBA
- 60 dBA
- 62 dBA

0 12.5 25 50 75 100
Metres

## NOTES

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