

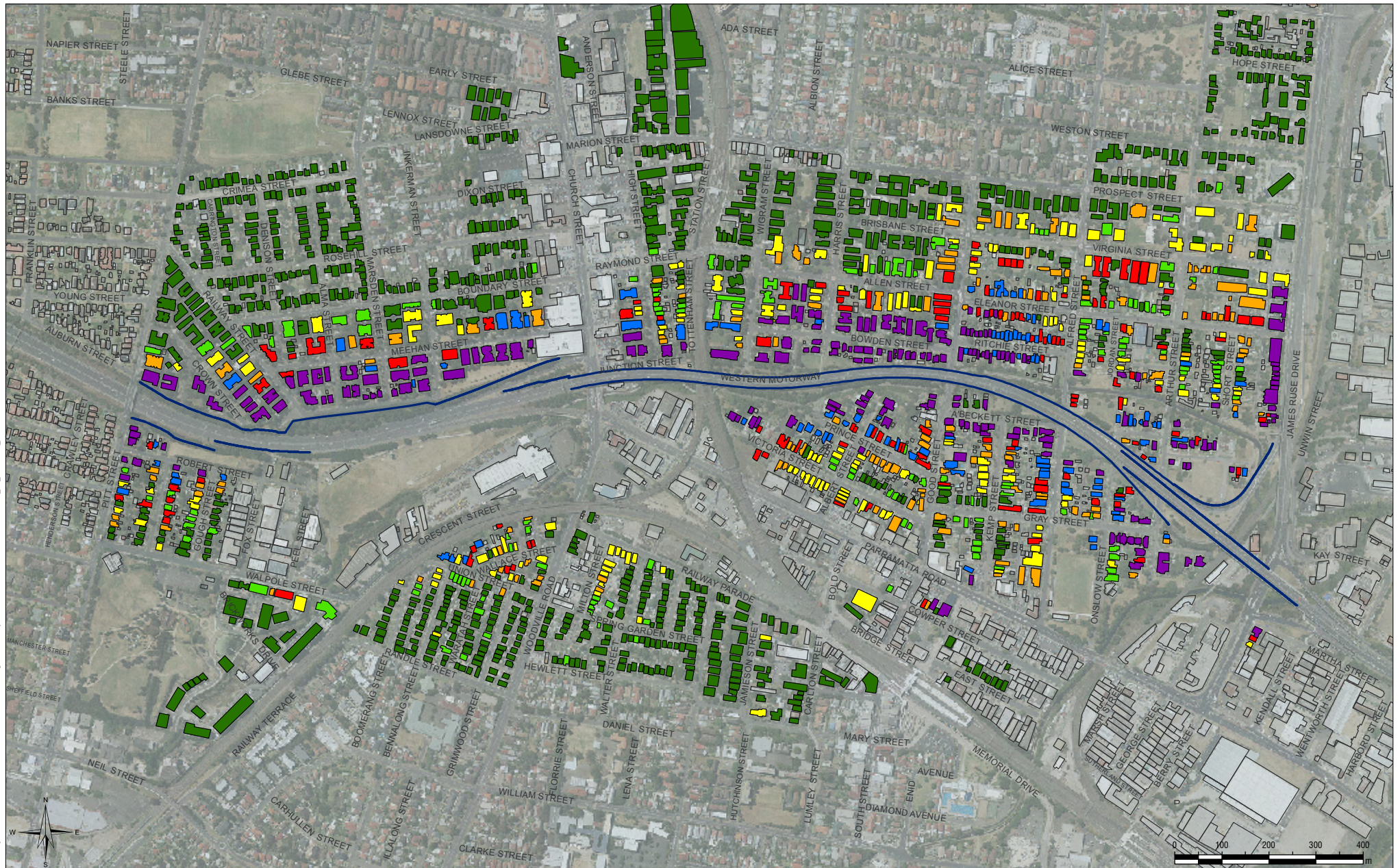
Appendix F-1

Report 610.12109-R2

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Predicted Residential Noise Levels - Timeframe 1, No Build

H:\Projects\SLR\630-SWMT\610-12109 M4 Managed Motorway Noise and Vibration\GIS\SLR\61012109_01_T\NB15D_01.mxd



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

H:\Projects\SLR\630-S\NT\610-SYD\610_12109 M4 Managed Motorway Noise and Vibration\GIS\SLR\610_12109_01_T\NB15D_01.mxd



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NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

WestConnex Delivery Authority

Predicted Residential Noise Levels (dBA)

**2017 No Build
Day LAeq(15hour)**



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Legend:
Noise Barriers - Existing
Noise Level (dBA):
≤ 59 (Dark Green)
60 (Light Green)
61 (Yellow)
62 (Orange)
63 (Red)
64 (Blue)
≥ 65 (Purple)

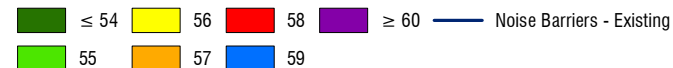
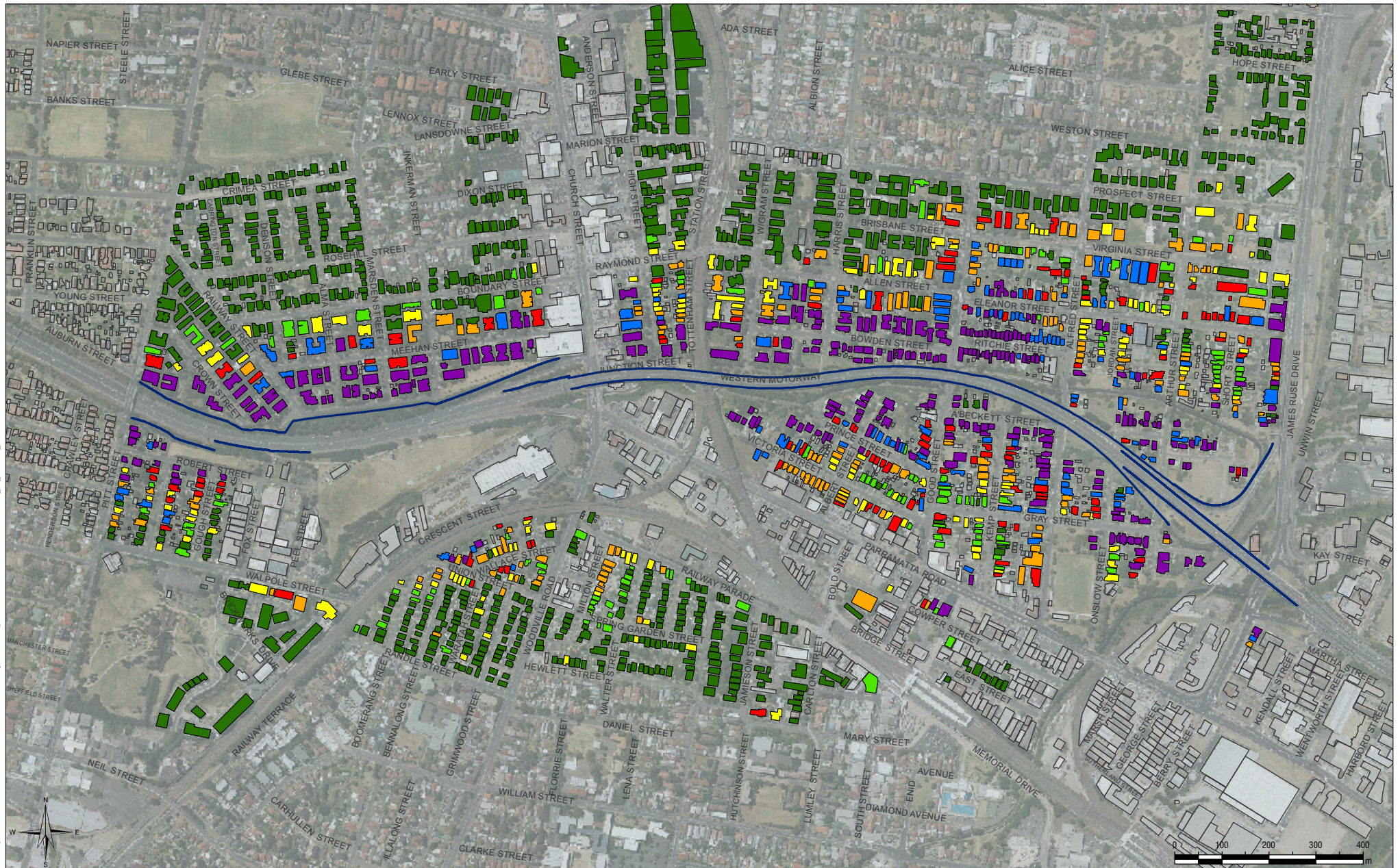
NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

WestConnex Delivery Authority
Predicted Residential Noise Levels (dBA)

2017 No Build
Day LAeq(15hour)



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

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- Legend:
- ≤ 54 (Green)
 - 56 (Yellow)
 - 58 (Red)
 - ≥ 60 (Purple)
 - 55 (Light Green)
 - 57 (Orange)
 - 59 (Blue)
 - Noise Barriers - Existing (Blue line)

NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

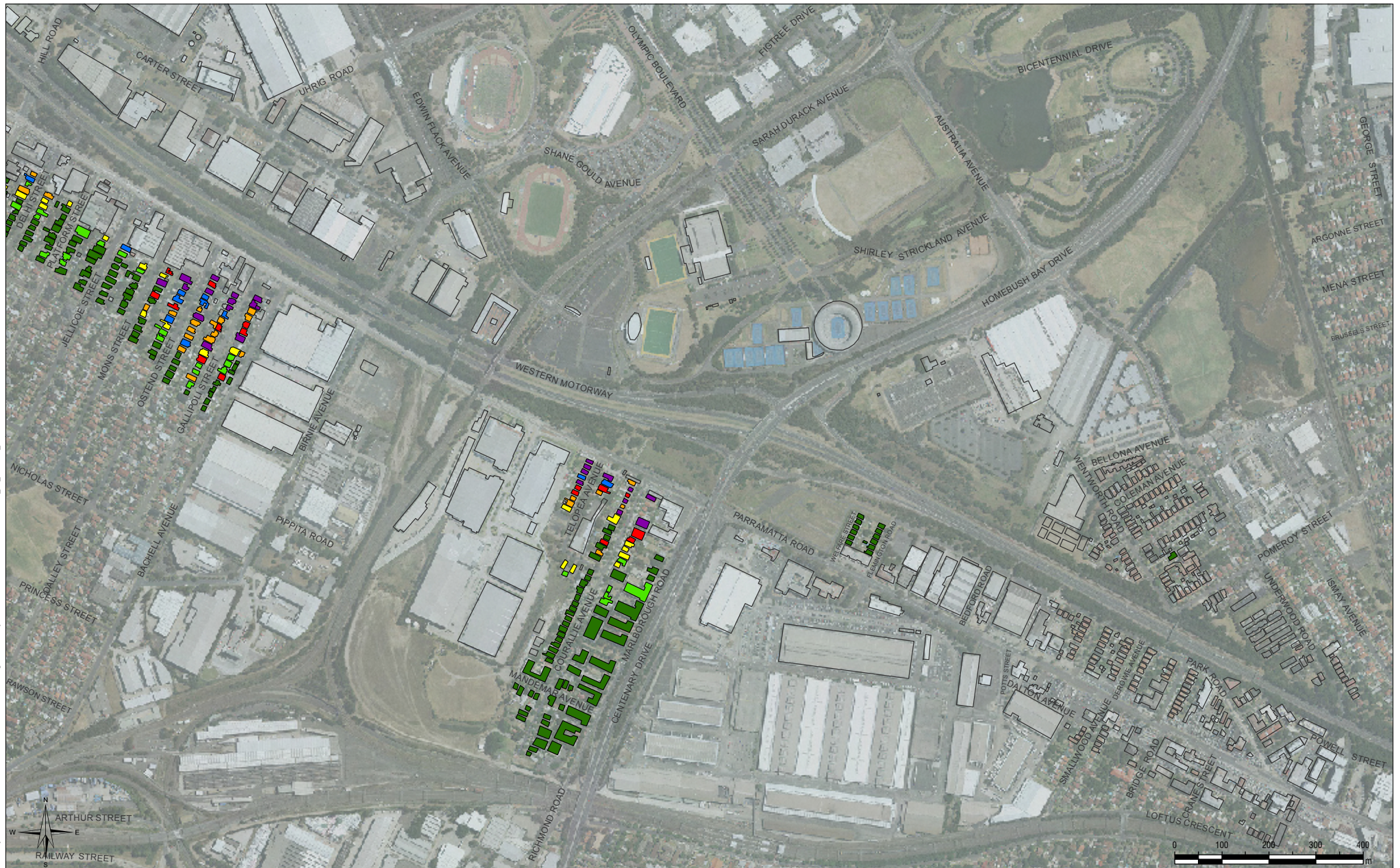
WestConnex Delivery Authority

Predicted Residential Noise Levels (dBA)

**2017 No Build
Night-time LAeq(9hour)**



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

Appendix F-2

Report 610.12109-R2

Page 1 of 9

Predicted Residential Noise Levels - Timeframe 1, Build



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

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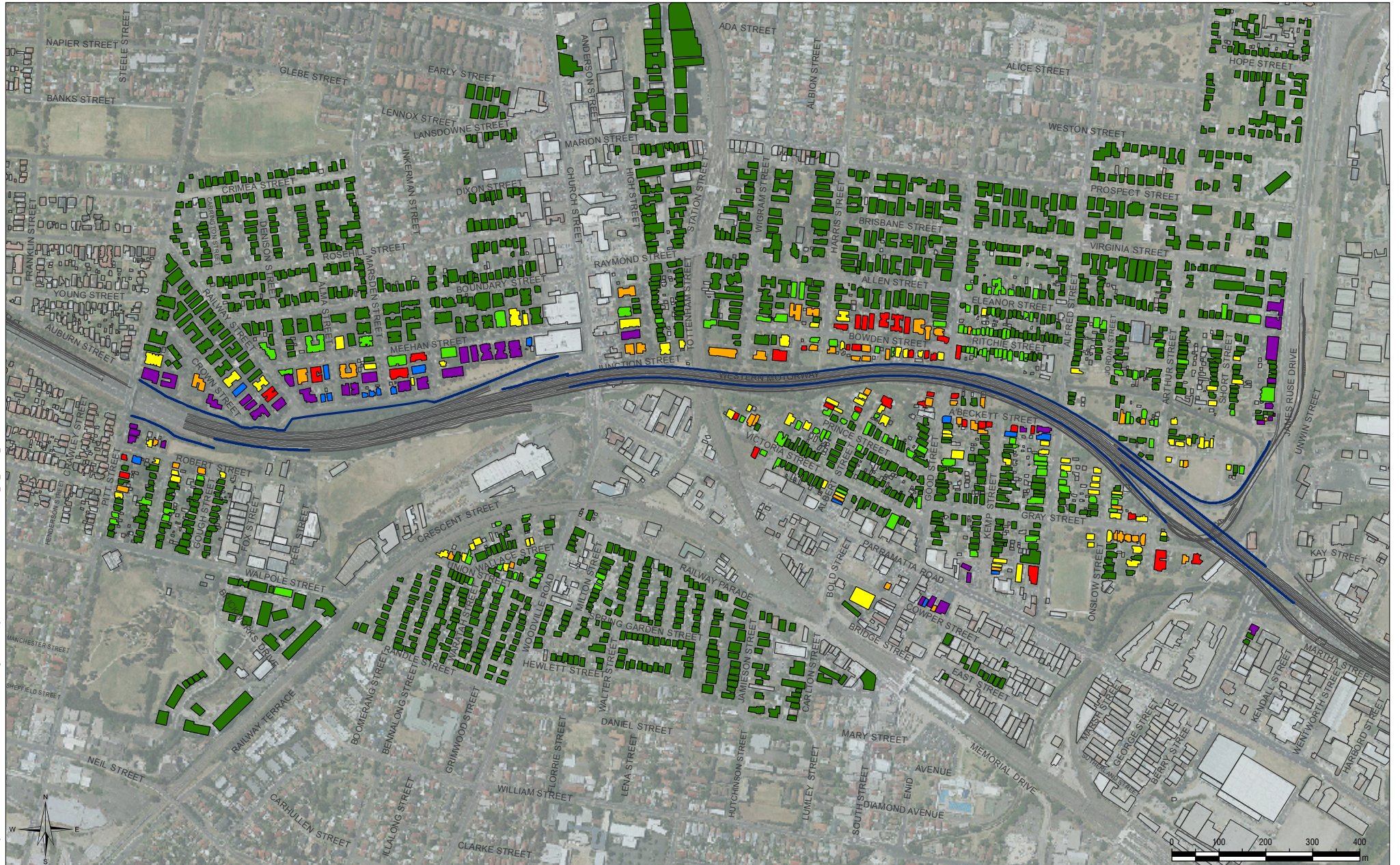
NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.



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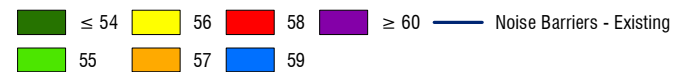
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Report 610.12109-R2

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Predicted Residential Noise Levels - Timeframe 2, No Build

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Projection:	GDA 1994 MGA Zone 56



Legend:
Noise Barriers - Existing
Noise Levels (dBA):
≤ 59 (Green)
60 (Light Blue)
61 (Yellow)
62 (Orange)
63 (Red)
64 (Blue)
≥ 65 (Purple)

NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

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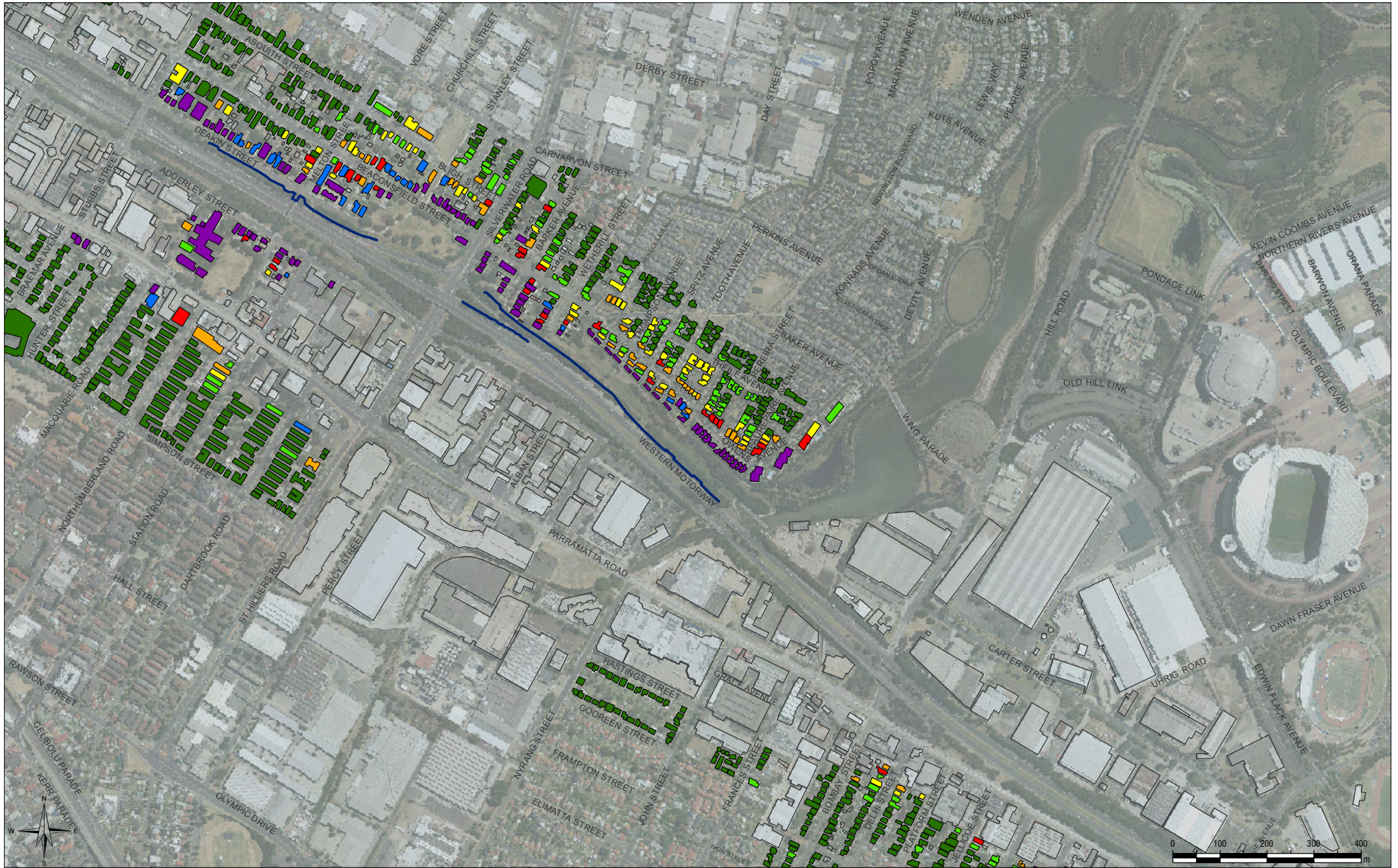
Predicted Residential Noise Levels (dBA)

2027 No Build
Day LAeq(15hour)

H:\Projects\SLR\630-S\NT\610-SYD\610_12109 M4 Managed Motorway Noise and Vibration\GIS\SLR\610_12109_05_T2\NB15D_01.mxd



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.



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≤ 59	61	63	≥ 65	— Noise Barriers - Existing
60	62	64		

NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

WestConnex Delivery Authority

Predicted Residential Noise Levels (dBA)

**2027 No Build
Day LAeq(15hour)**

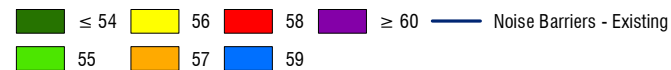


NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

WestConnex Delivery Authority

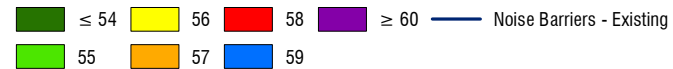
Predicted Residential Noise Levels (dBA)

**2027 No Build
Day LAeq(15hour)**



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

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NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.



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Legend:

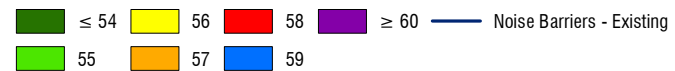
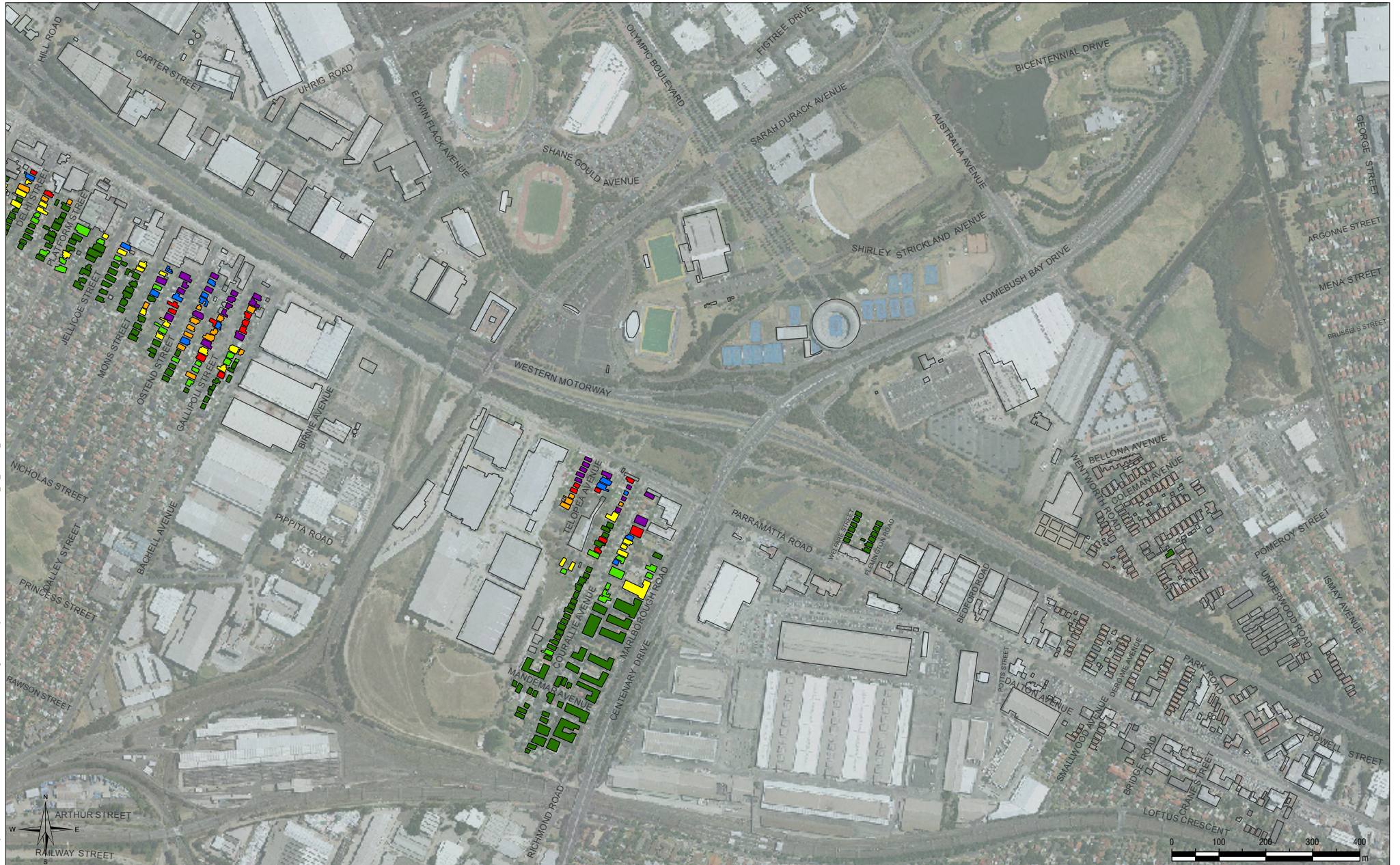
- ≤ 54 (Dark Green)
- 55 (Light Green)
- 56 (Yellow)
- 57 (Orange)
- 58 (Red)
- 59 (Blue)
- ≥ 60 (Purple)
- Noise Barriers - Existing

NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

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Predicted Residential Noise Levels (dBA)

**2027 No Build
Night-time LAeq(9hour)**



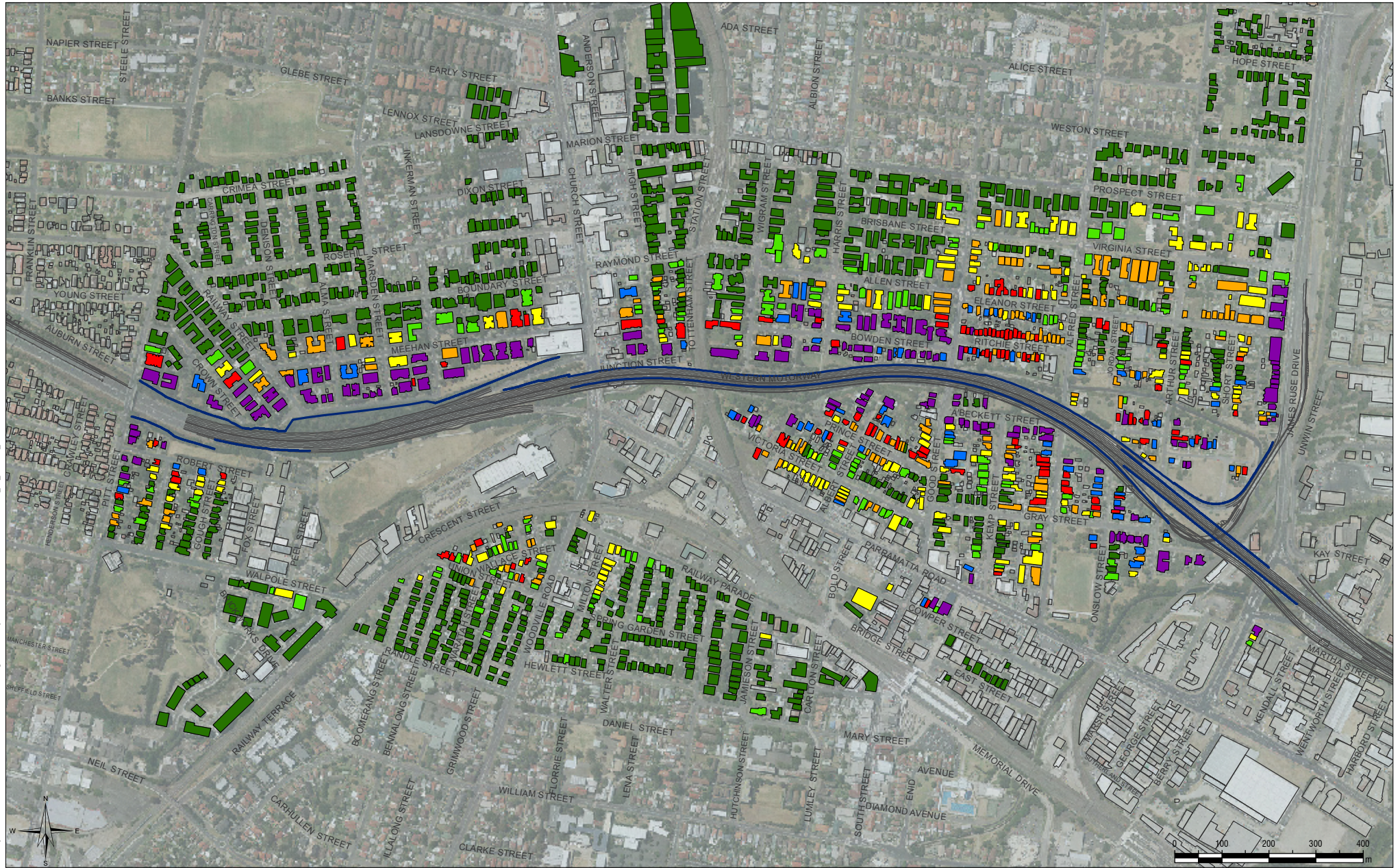
NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

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Report 610.12109-R2

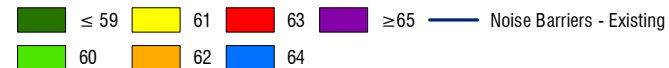
Page 1 of 9

Predicted Residential Noise Levels - Timeframe 2, Build



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

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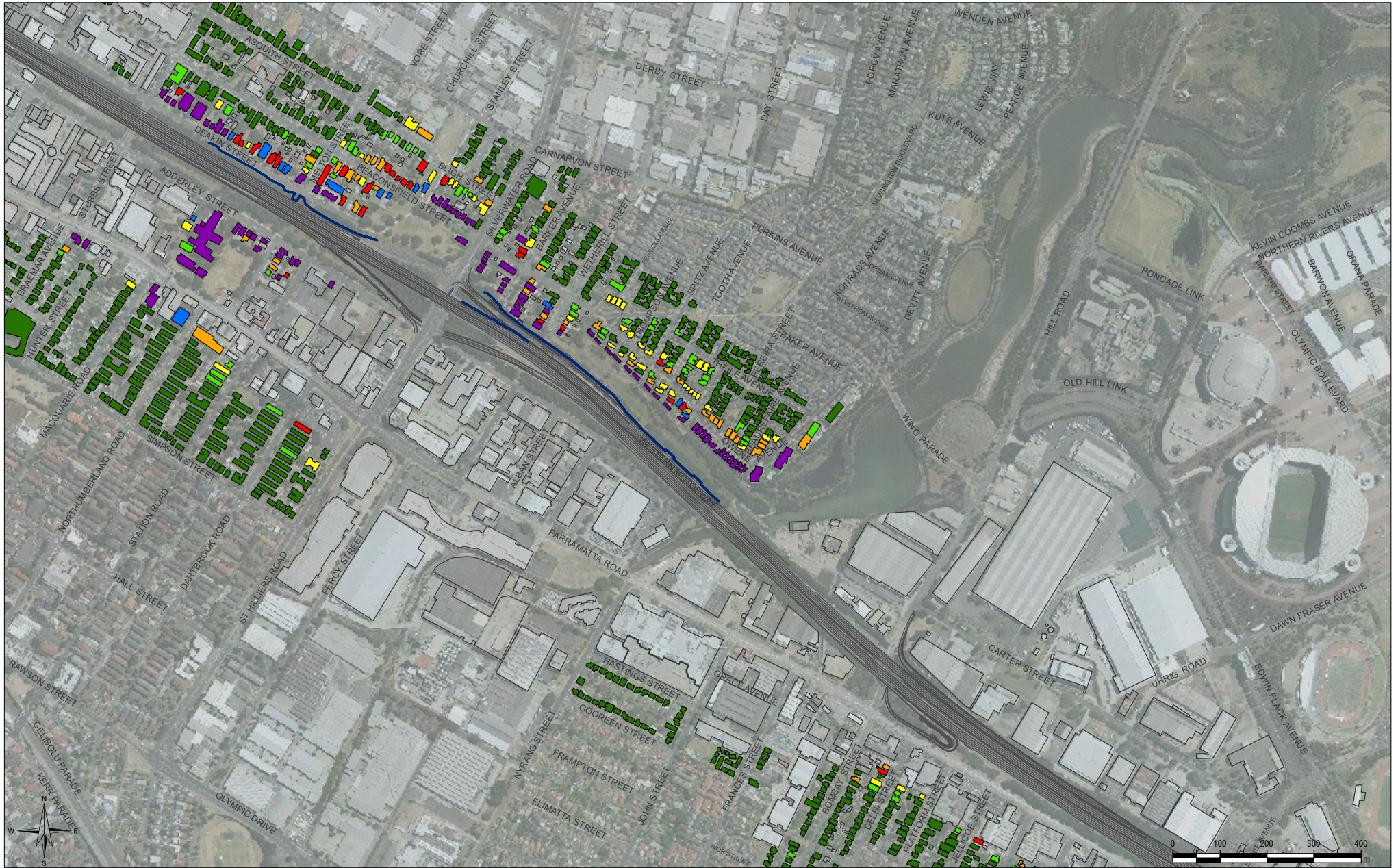


NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

WestConnex Delivery Authority

Predicted Residential Noise Levels (dBA)

**2027 Build, with Existing Noise Barriers
Day LAeq(15hour)**



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

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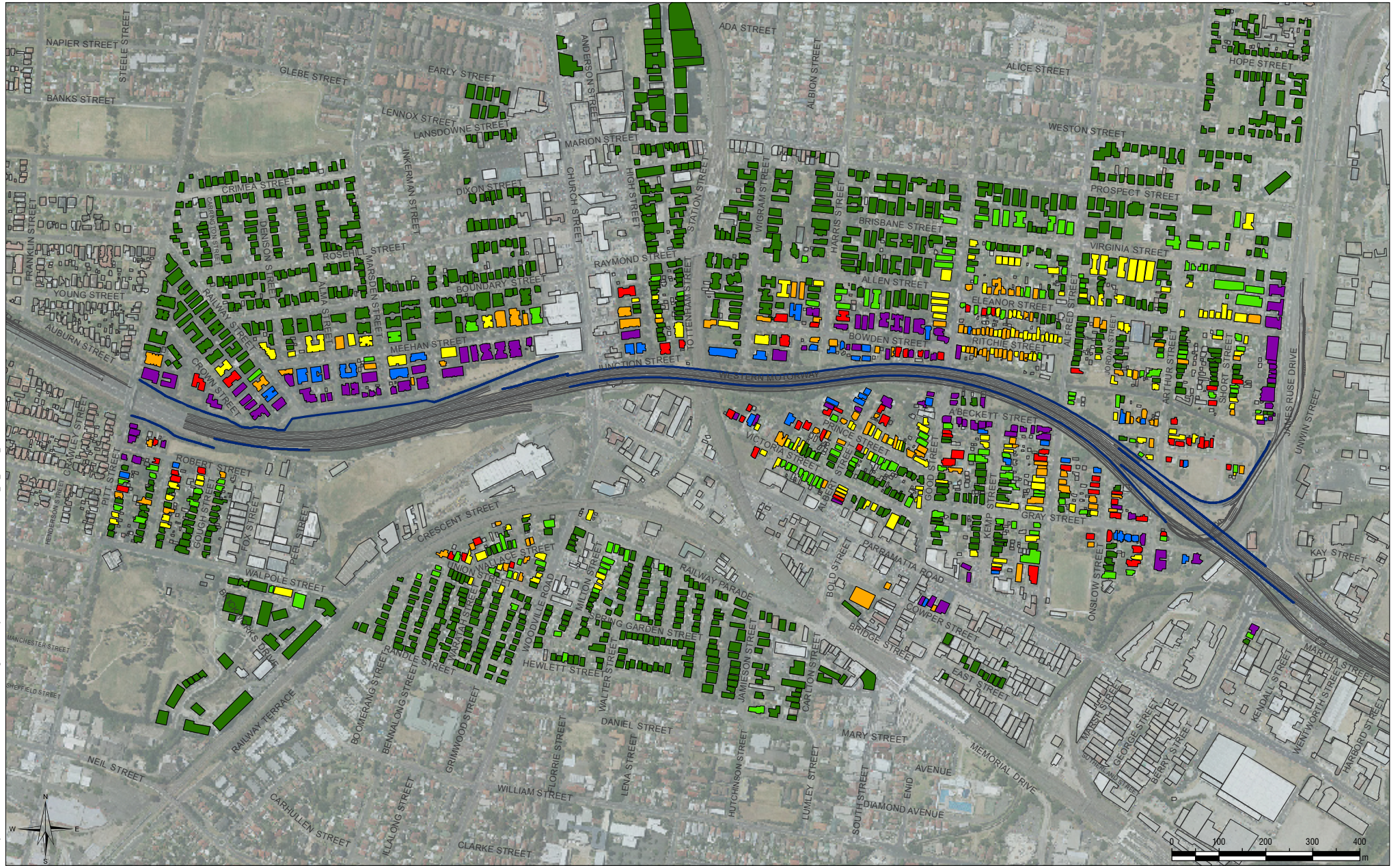


NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

WestConnex Delivery Authority

Predicted Residential Noise Levels (dBA)

**2027 Build, with Existing Noise Barriers
Day LAeq(15hour)**



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≤ 54	56	58	≥ 60	— Noise Barriers - Existing
55	57	59		

NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.

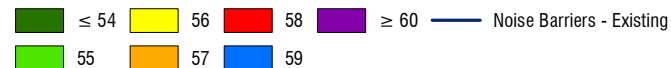
WestConnex Delivery Authority

Predicted Residential Noise Levels (dBA)

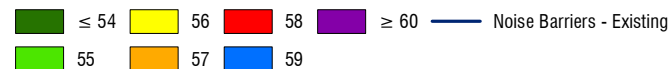
**2027 Build, with Existing Noise Barriers
Night-time LAeq(9hour)**



NOTE: Indicated noise level relates to maximum overall road noise facade level for floor 1 and 2 for each building and excludes facades dominated by secondary road noise where the predicted project-related road noise does not make a significant contribution.



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ENMM Triggered Locations

H:\Projects\SLR\B30-SWMT\610-12109 M4 Managed Motorway Noise and Vibration\GIS\SLR\61012109_13_ENMM17_01.mxd



■ < 10 dB Above RNP Base Criteria — Noise Barriers - Existing
■ ≥10 dB Above RNP Base Criteria

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ENMM Triggered Locations

**2017 Build,
with Existing Noise Barriers**

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- < 10 dB Above RNP Base Criteria — Noise Barriers - Existing
- ≥10 dB Above RNP Base Criteria

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ENMM Triggered Locations

**2017 Build,
with Existing Noise Barriers**

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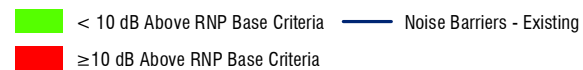
■ < 10 dB Above RNP Base Criteria — Noise Barriers - Existing
■ ≥ 10 dB Above RNP Base Criteria

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ENMM Triggered Locations

**2017 Build,
with Existing Noise Barriers**

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ENMM Triggered Locations

**2027 Build,
with Existing Noise Barriers**

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- < 10 dB Above RNP Base Criteria — Noise Barriers - Existing
- ≥10 dB Above RNP Base Criteria

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ENMM Triggered Locations

**2027 Build,
with Existing Noise Barriers**

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- < 10 dB Above RNP Base Criteria — Noise Barriers - Existing
- ≥ 10 dB Above RNP Base Criteria

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ENMM Triggered Locations

**2027 Build,
with Existing Noise Barriers**