

DESCRIPTION

DRAWN APP'D DATE



Waterloo Integrated Station Development A Joint Venture Project 

ARCHITECT/CLIENT

WATERLOO OVER-STATION DEVELOPMENT - SOUTHERN PRECINCT

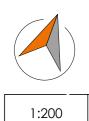
CONSTRUCTION NOISE EMISSIONS - STRUCTURE (L6 TO L10) & FACADE (GF TO L5), WITH MITIGATION

TITLE

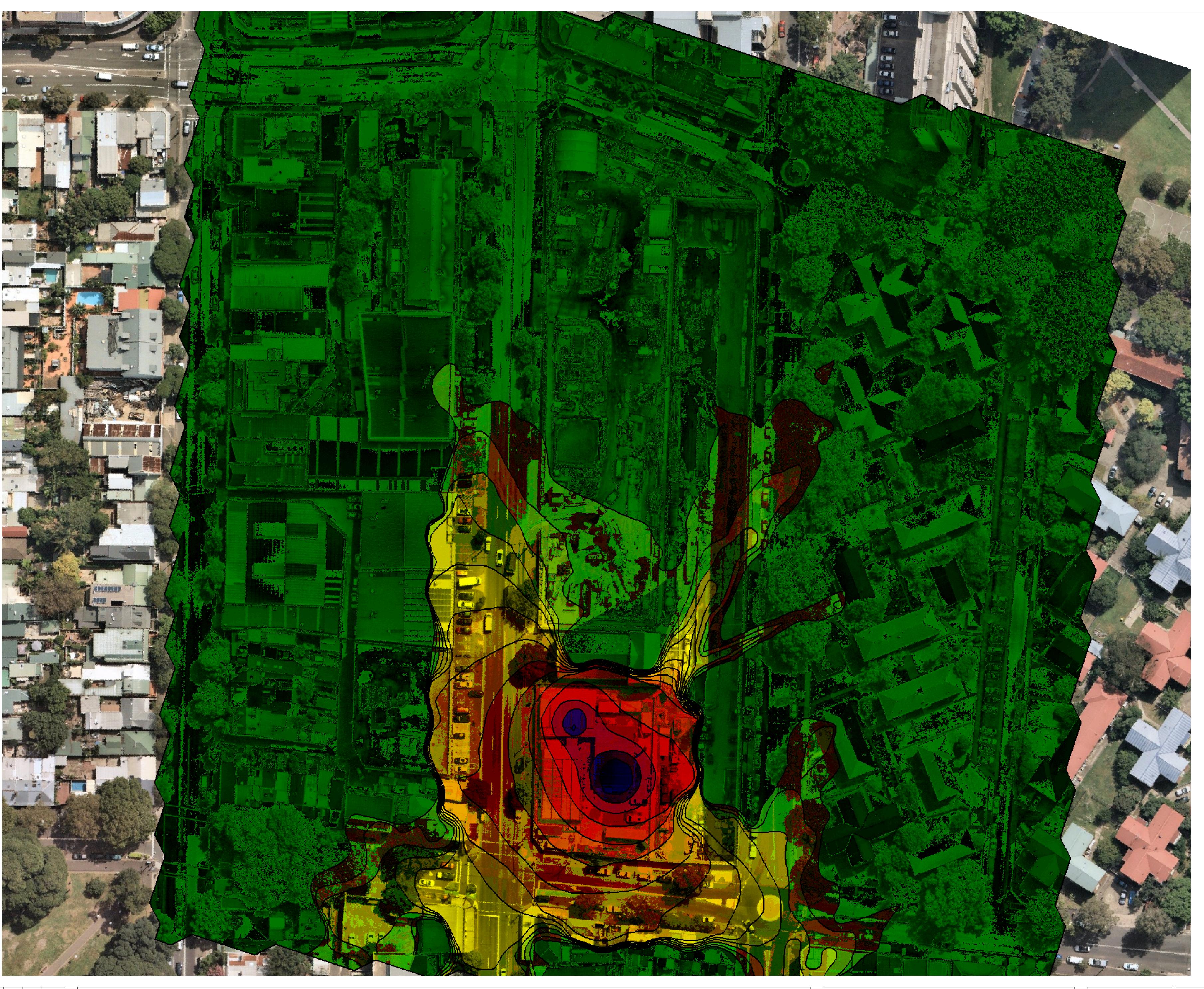
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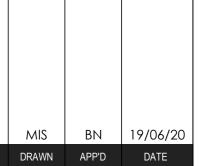
Noise Model Construction Noise Modelling Results





Noise & Vibration 1:200 46198 BLD34-AC-GRM 001 
 SCALE @ A0
 PROJECT No
 DRAWING No
 REV





DESCRIPTION





Waterloo Integrated Station Development A Joint Venture Project 

ARCHITECT/CLIENT

WATERLOO OVER-STATION DEVELOPMENT - SOUTHERN PRECINCT

CONSTRUCTION NOISE EMISSIONS - STRUCTURE (L6 TO L10) & FACADE (GF TO L5), WITHOUT MITIGATION

TITLE





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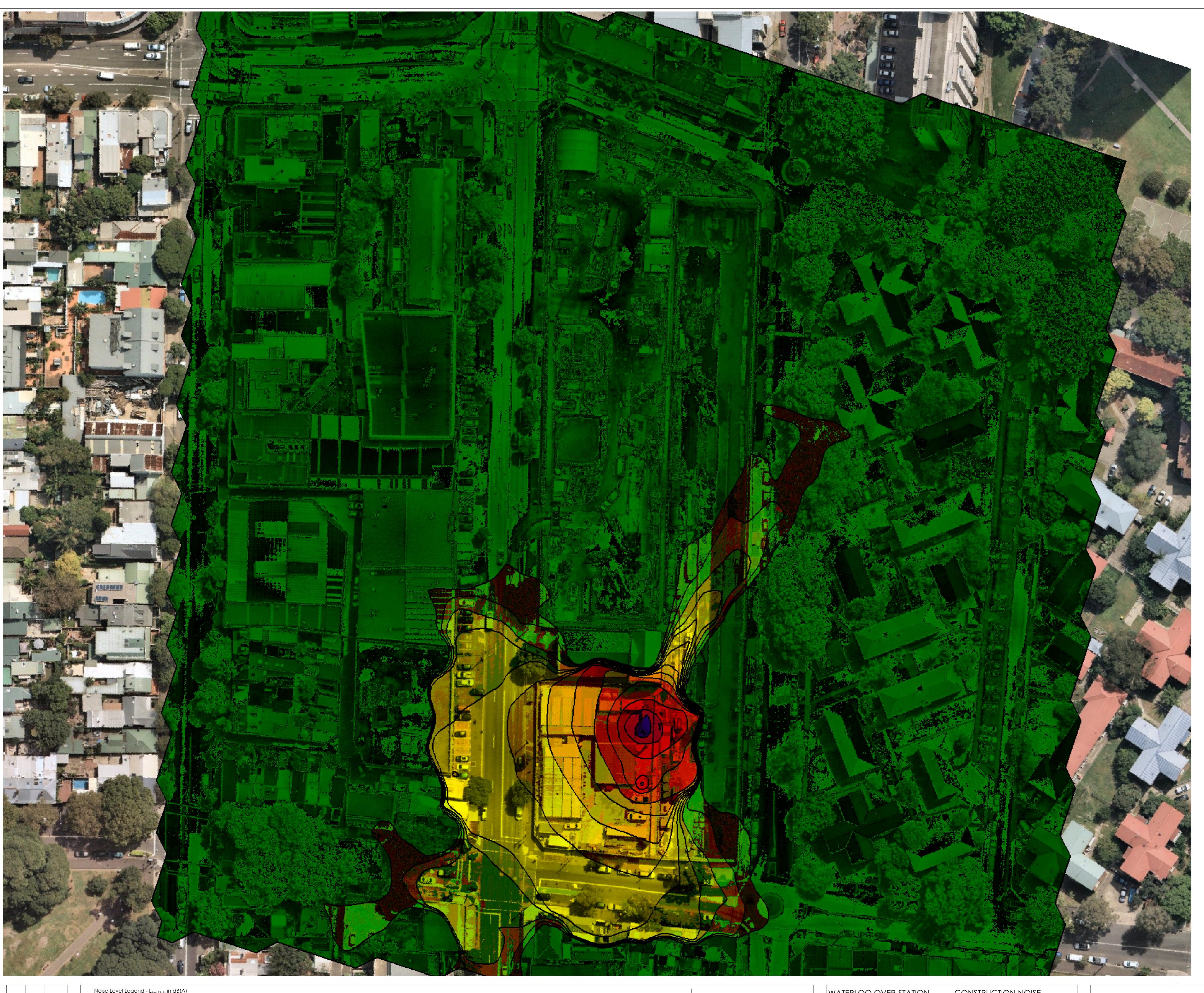
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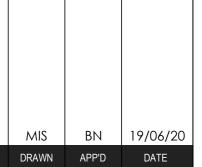


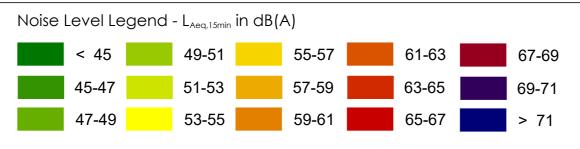
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DESCRIPTION



Waterloo Integrated Station Development A Joint Venture Project 

ARCHITECT/CLIENT

WATERLOO OVER-STATION DEVELOPMENT - SOUTHERN PRECINCT

CONSTRUCTION NOISE EMISSIONS - STRUCTURE (L11 TO L15) & FACADE (L6 TO L10), WITHOUT MITIGATION

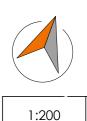
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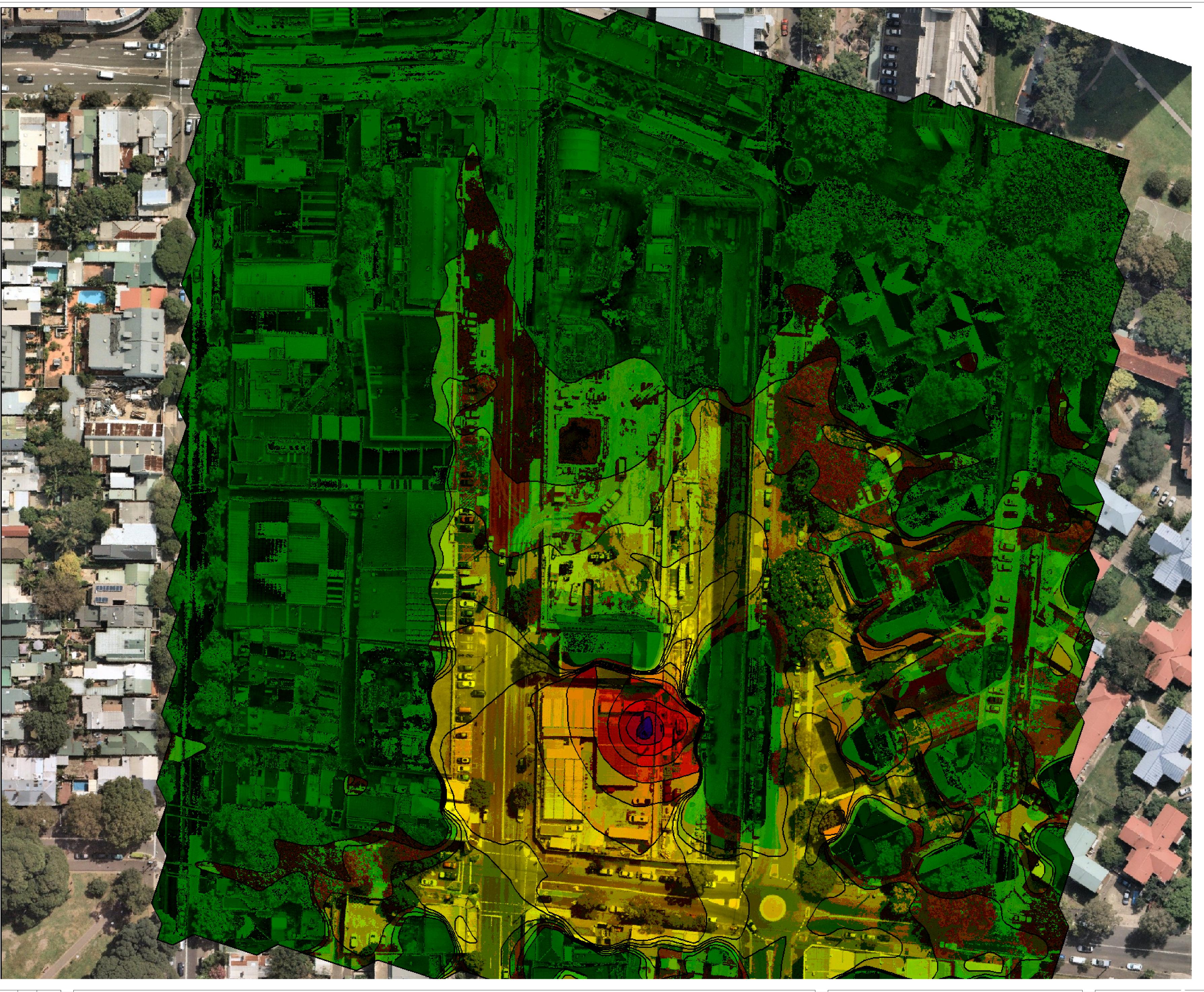
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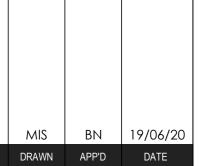




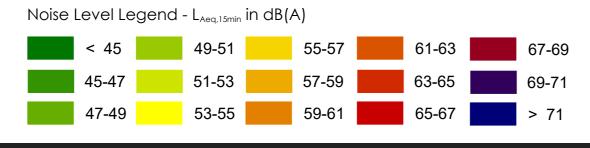


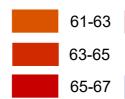
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Waterloo Integrated Station Development A Joint Venture Project

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WATERLOO OVER-STATION DEVELOPMENT - SOUTHERN PRECINCT

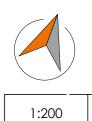
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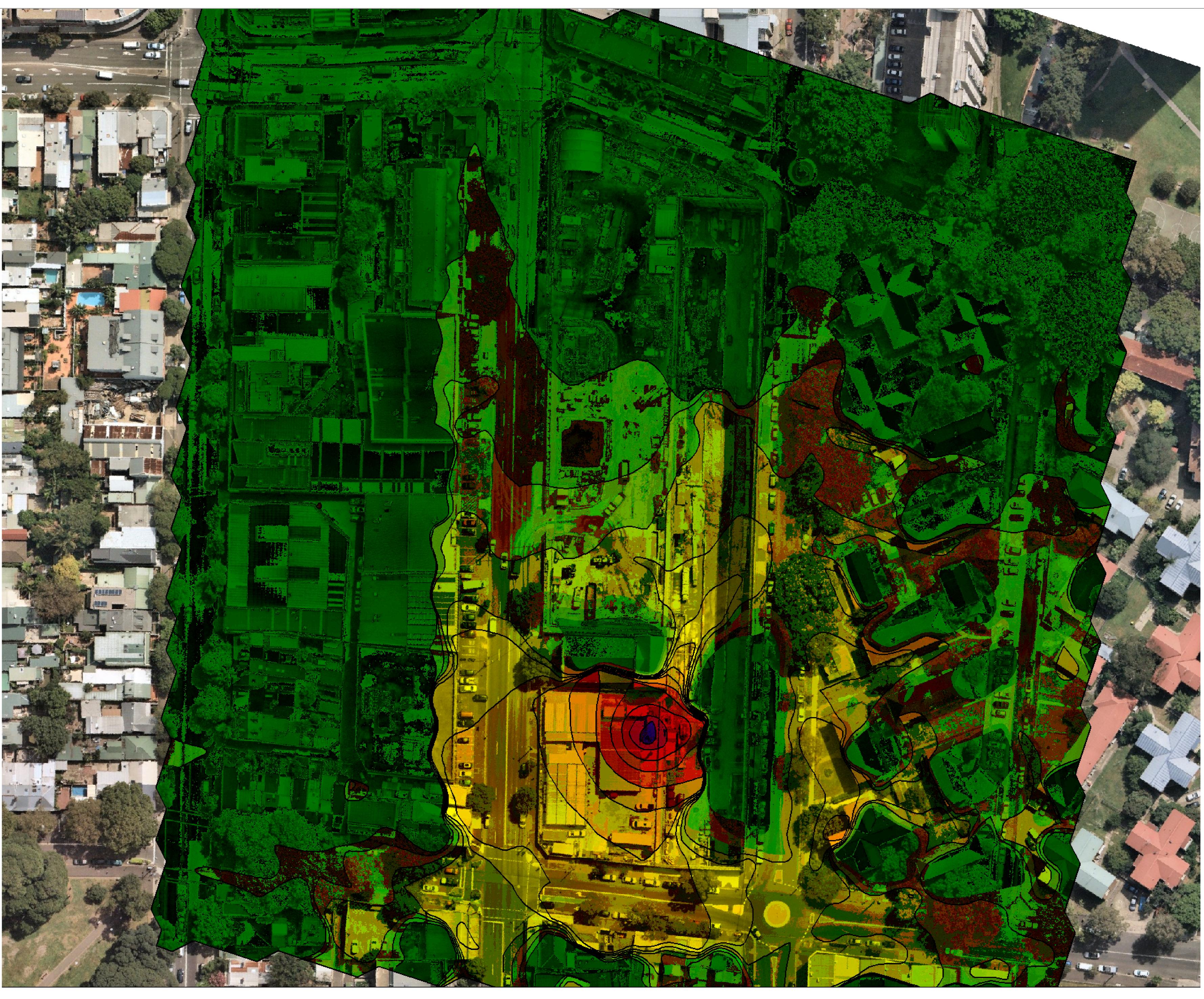
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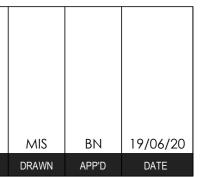




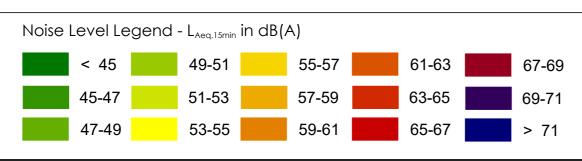
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DESCRIPTION





Waterloo Integrated Station Development A Joint Venture Project 

ARCHITECT/CLIENT

WATERLOO OVER-STATION DEVELOPMENT - SOUTHERN PRECINCT

CONSTRUCTION NOISE EMISSIONS - STRUCTURE (L16 TO L20) & FACADE (L11 TO L15), WITHOUT MITIGATION

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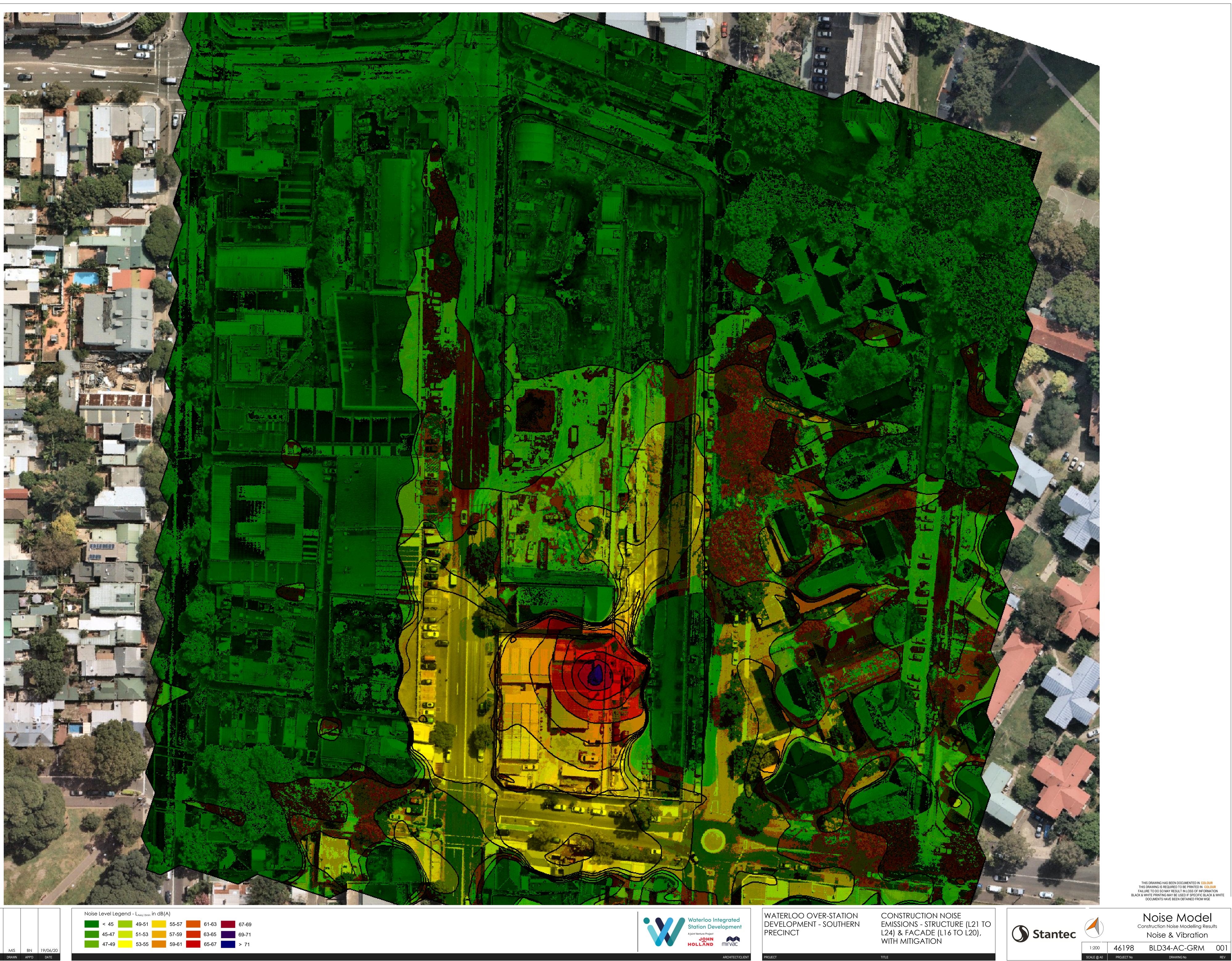




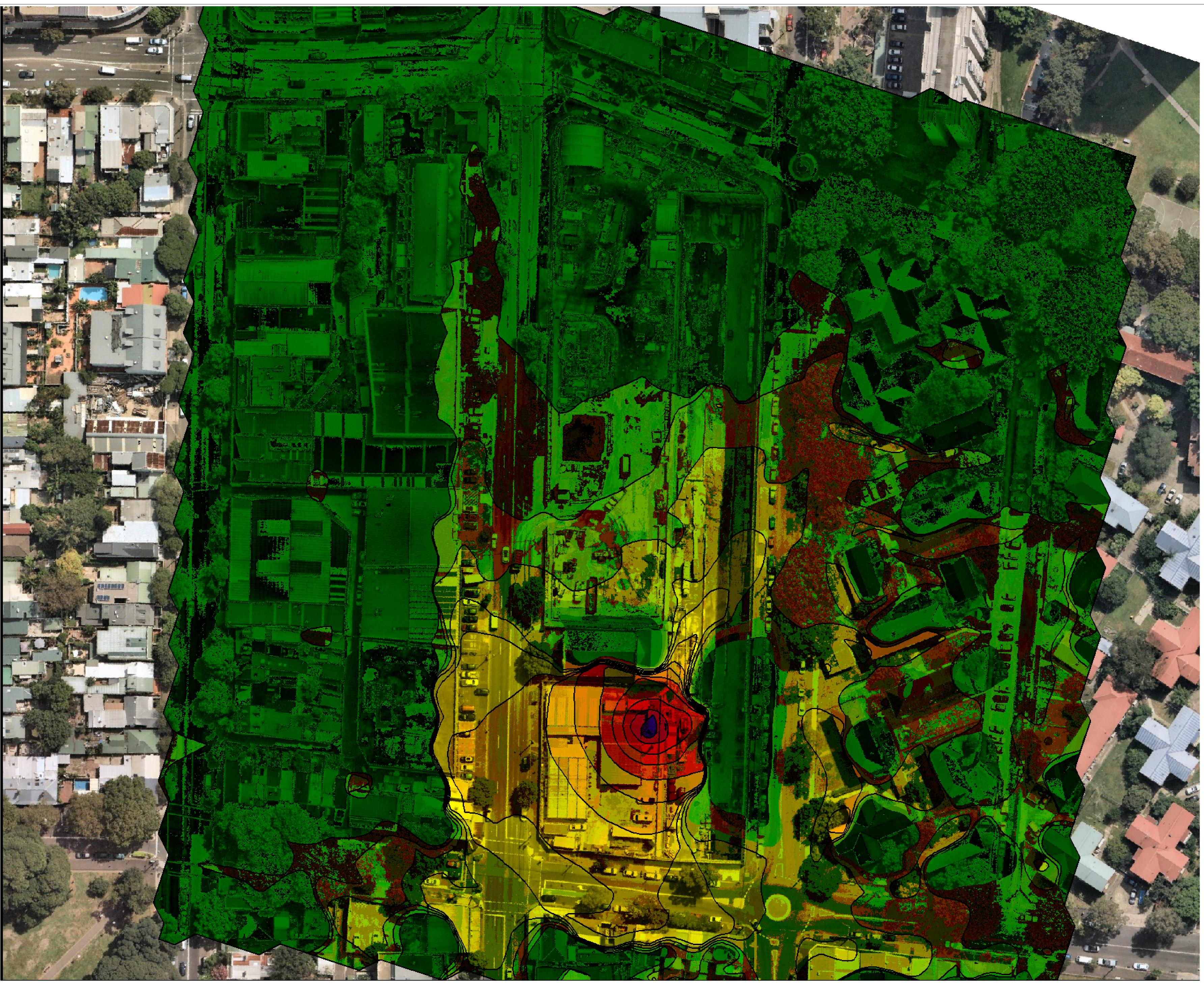
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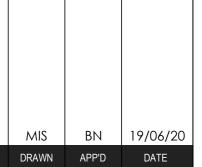
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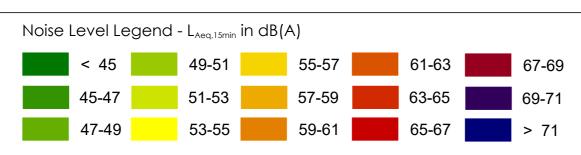




DESCRIPTION







DESCRIPTION



Waterloo Integrated Station Development A Joint Venture Project 

ARCHITECT/CLIENT

WATERLOO OVER-STATION DEVELOPMENT - SOUTHERN PRECINCT

CONSTRUCTION NOISE EMISSIONS - STRUCTURE (L21 TO L24) & FACADE (L16 TO L20), WITHOUT MITIGATION

TITLE





Noise Model Construction Noise Modelling Results

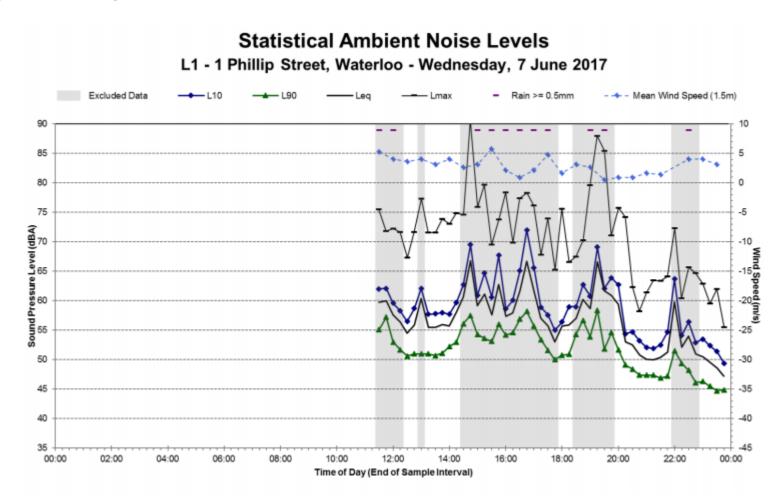
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15.9 Appendix 9 – Daily Long-Term (Unattended) Survey Results

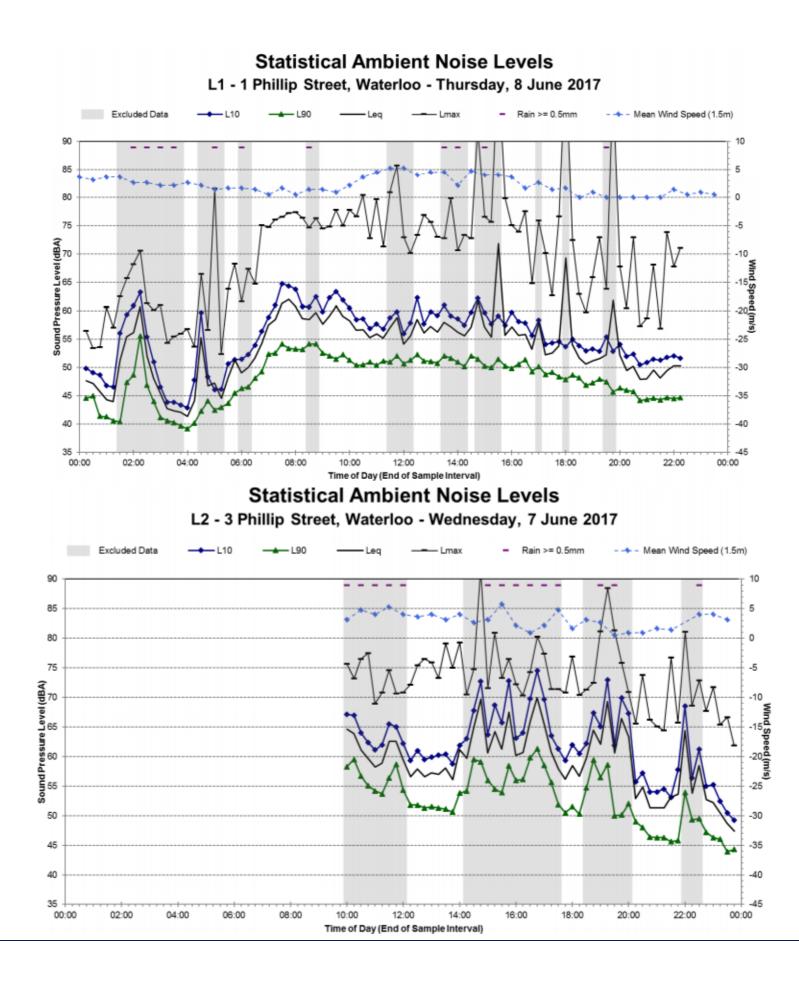
15.9.1 Historical Noise Survey Results by SLR Consulting





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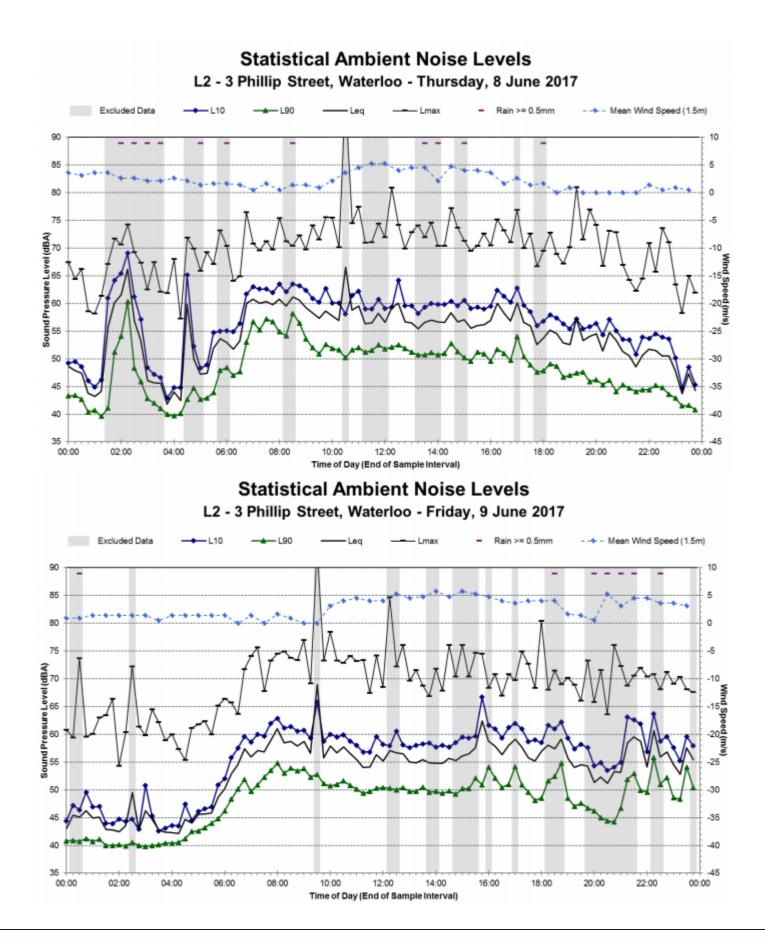






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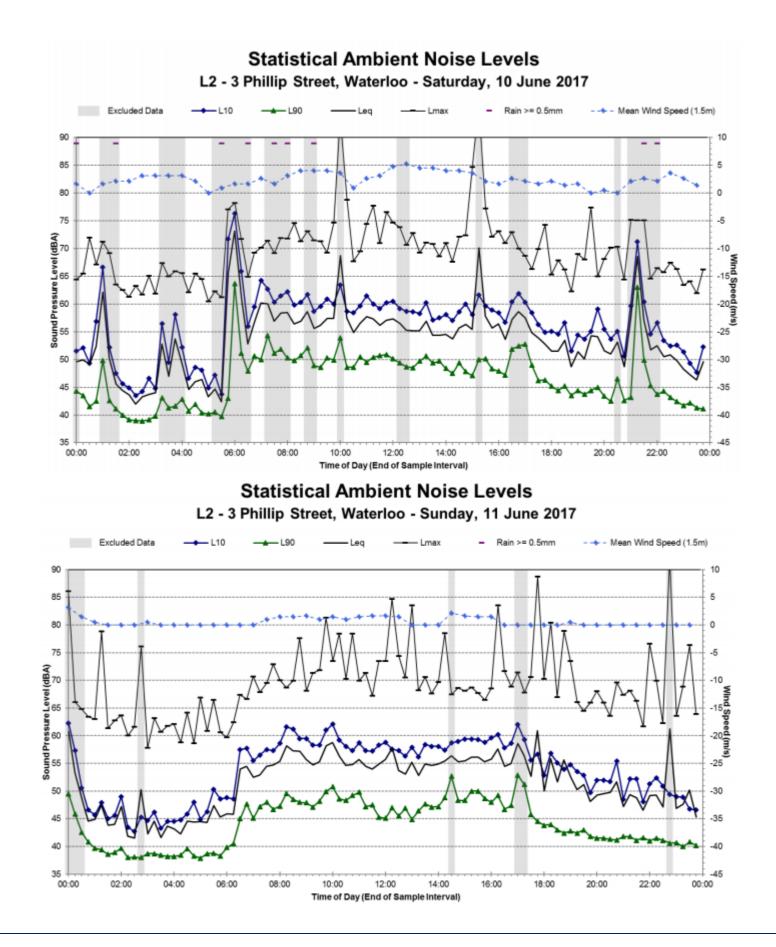






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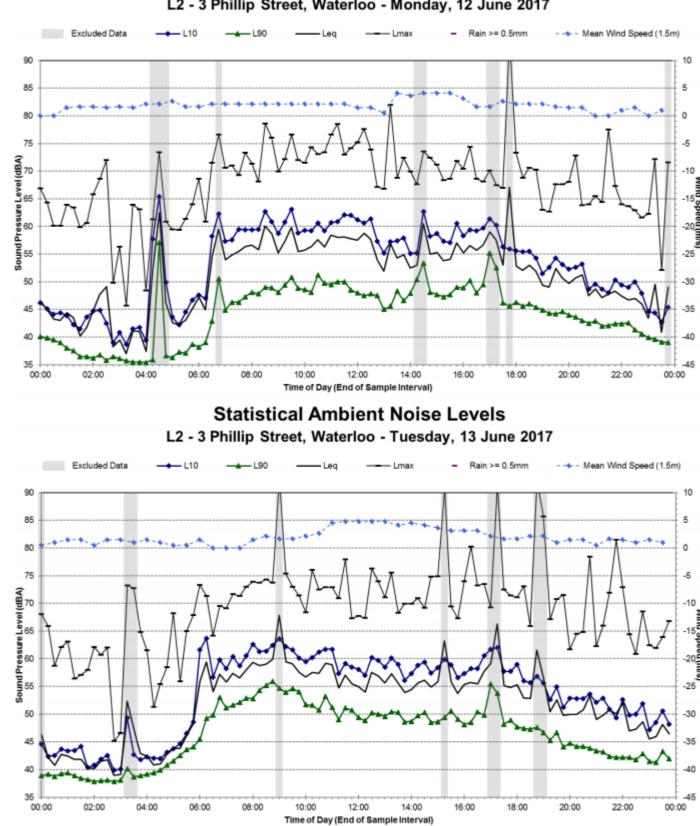






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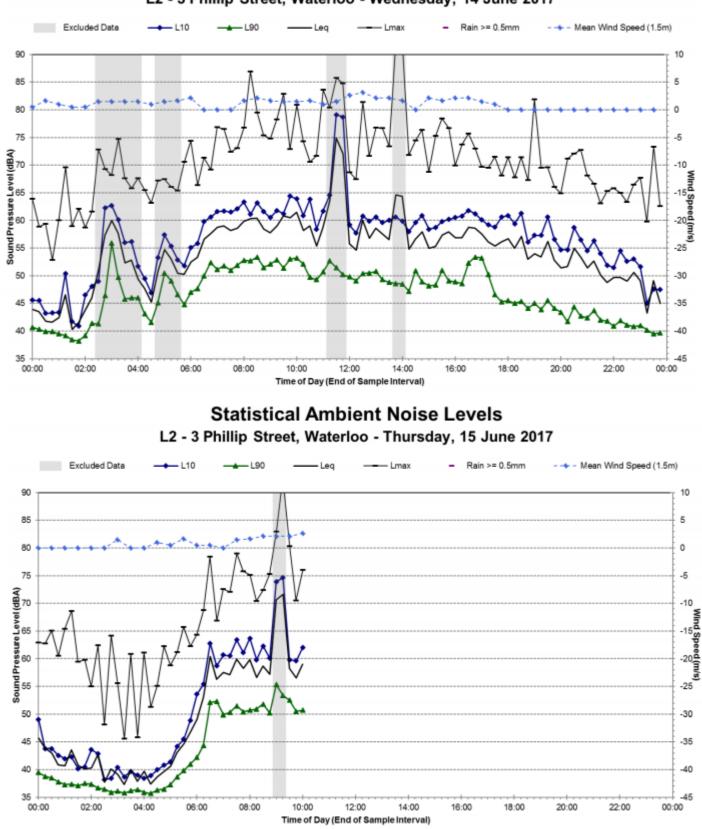
## Statistical Ambient Noise Levels L2 - 3 Phillip Street, Waterloo - Monday, 12 June 2017



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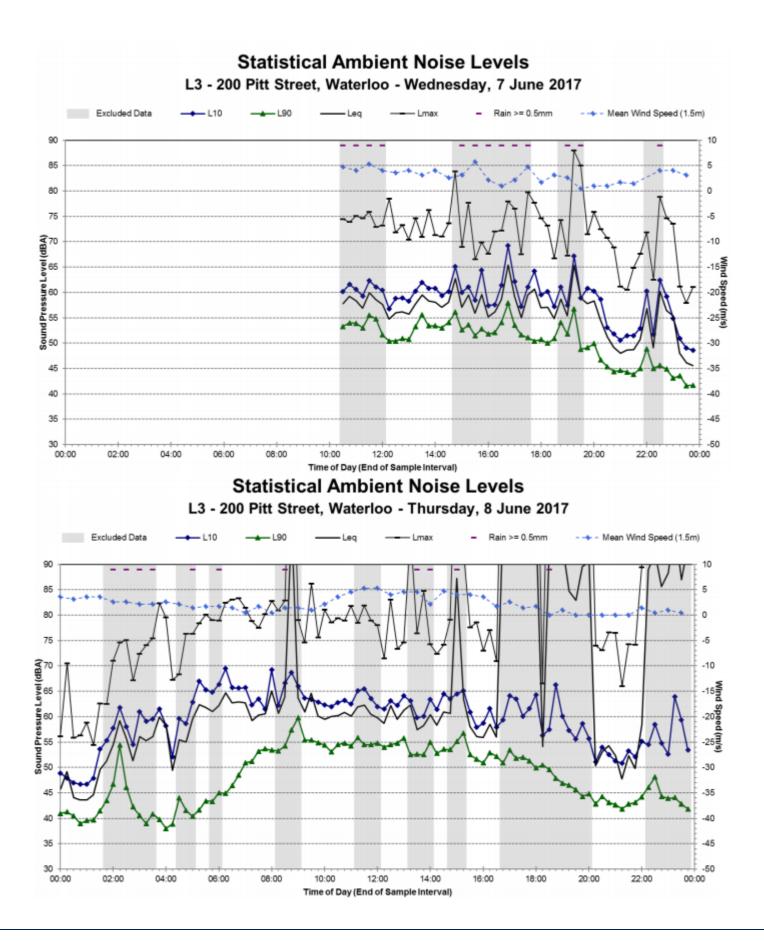
# Statistical Ambient Noise Levels L2 - 3 Phillip Street, Waterloo - Wednesday, 14 June 2017





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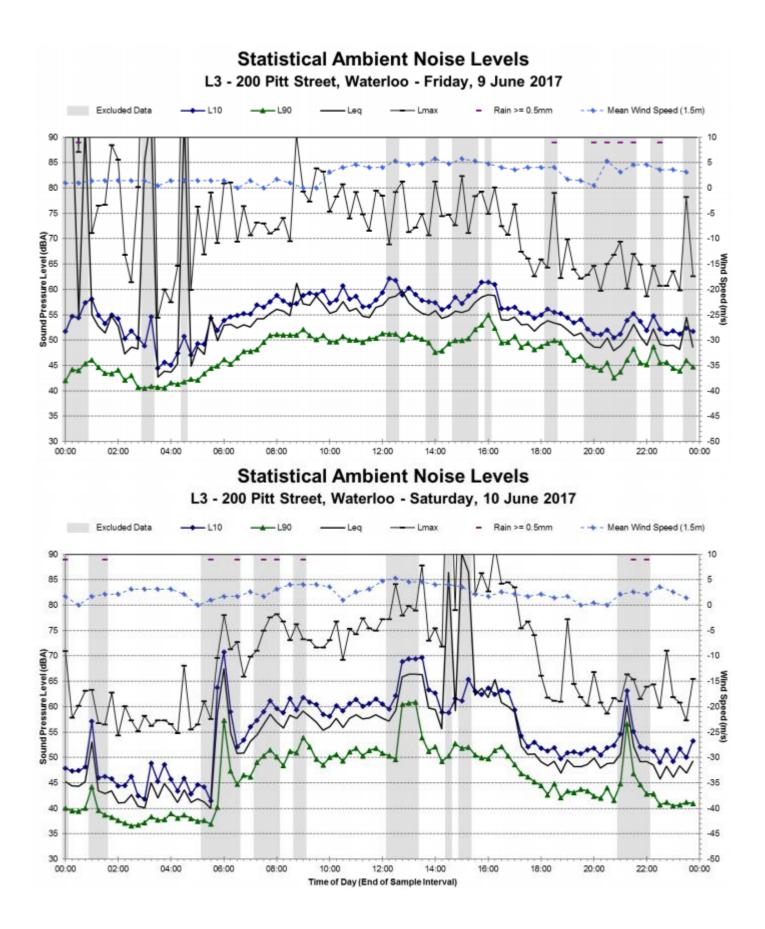






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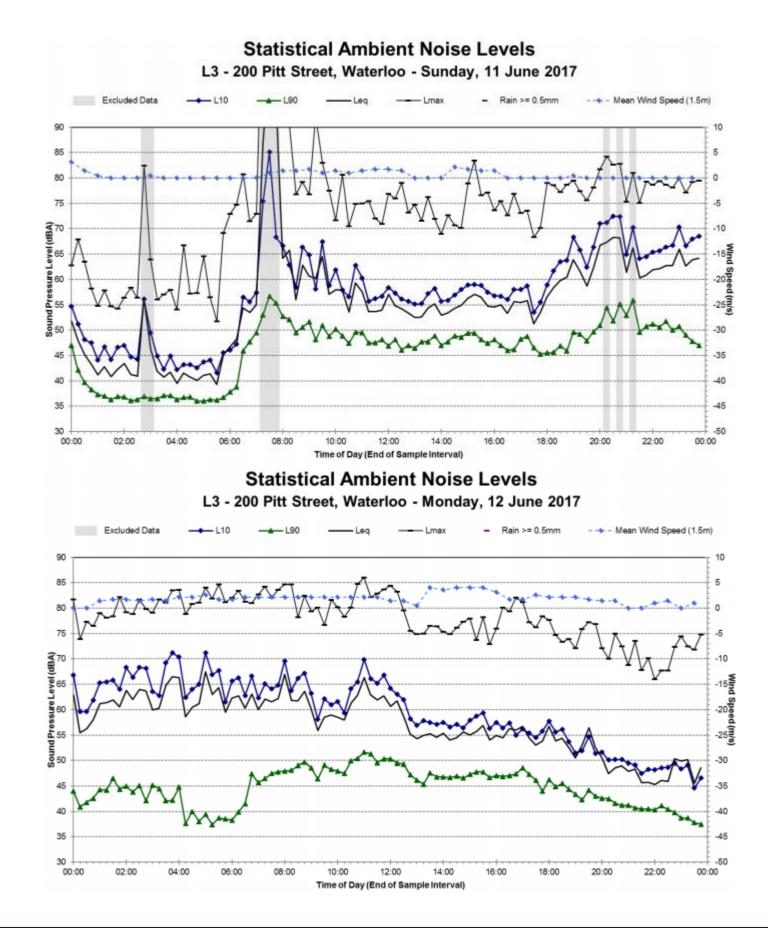






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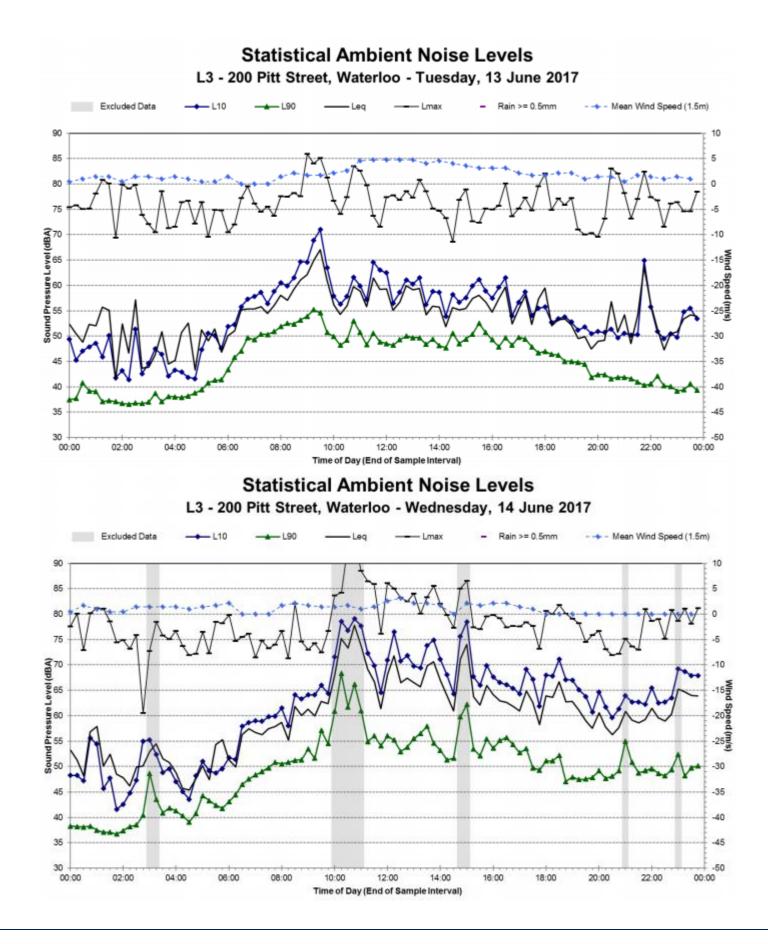






Page **151** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

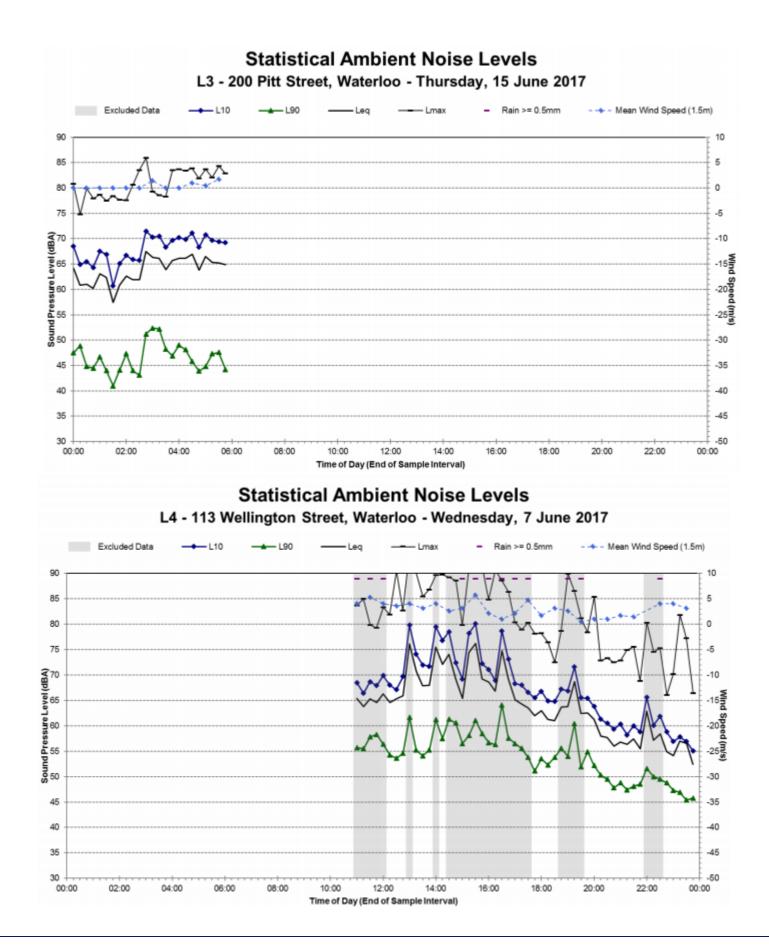






Page **152** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

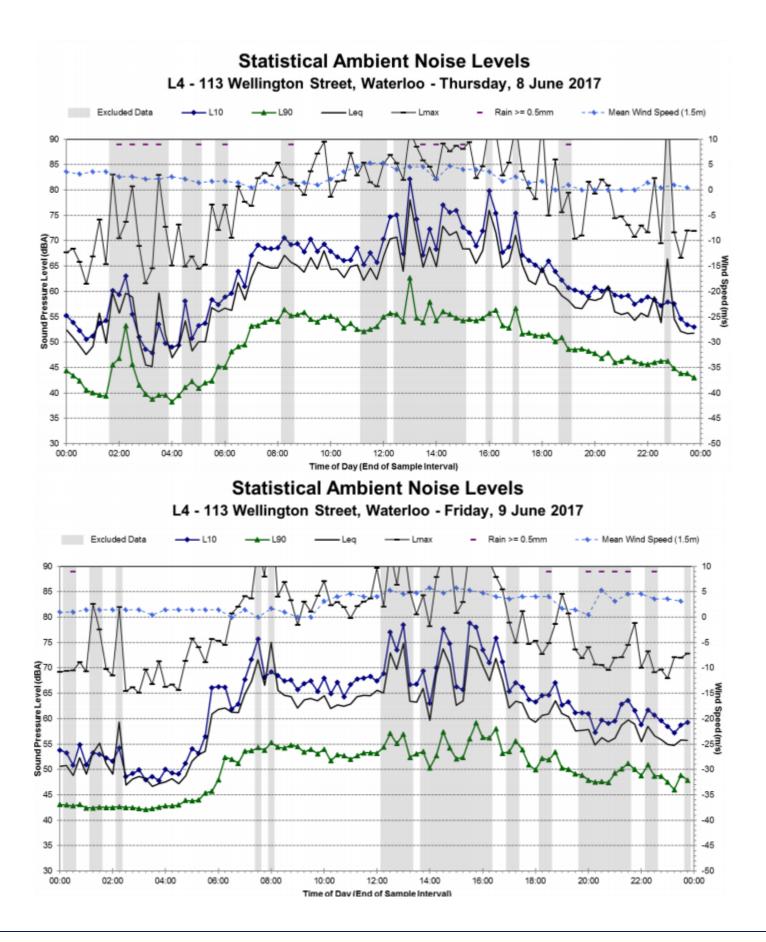






Page **153** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

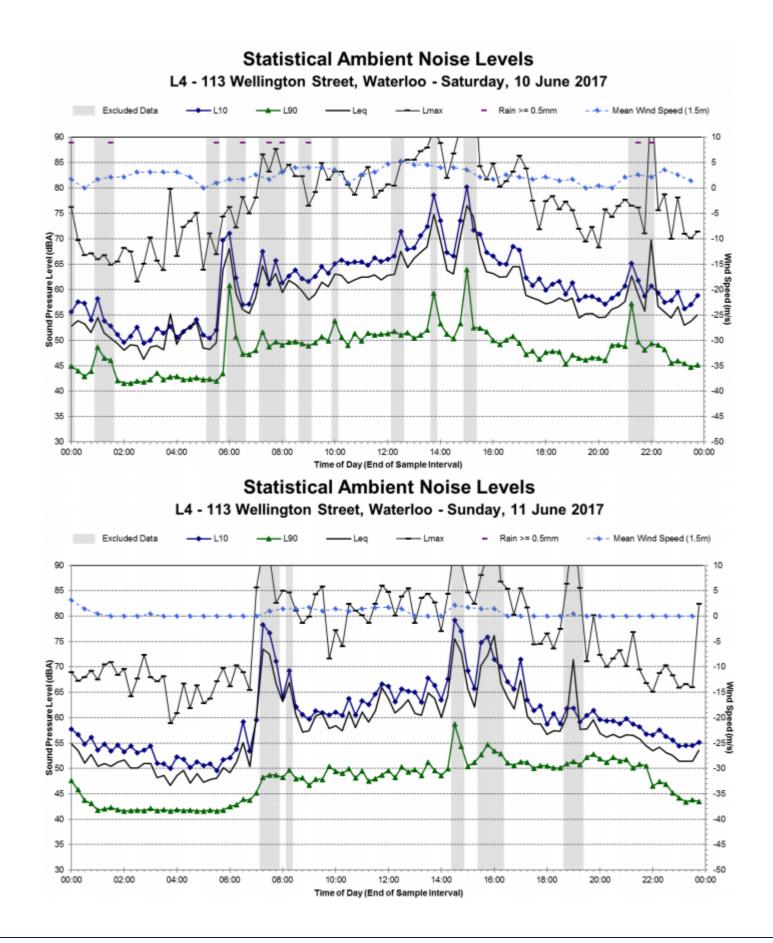






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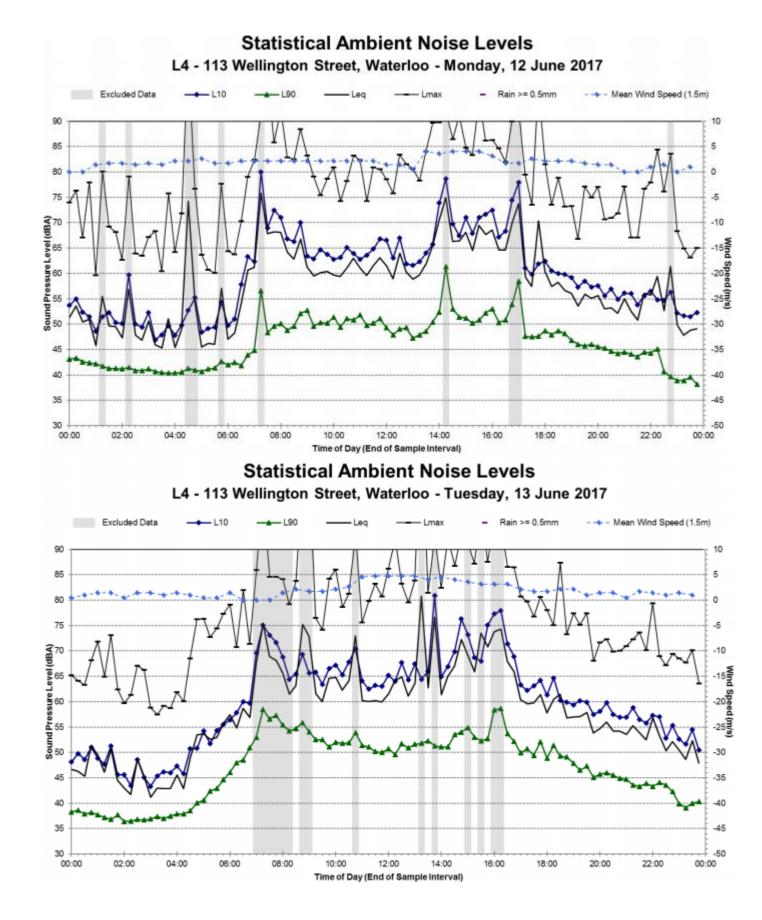






Page **155** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

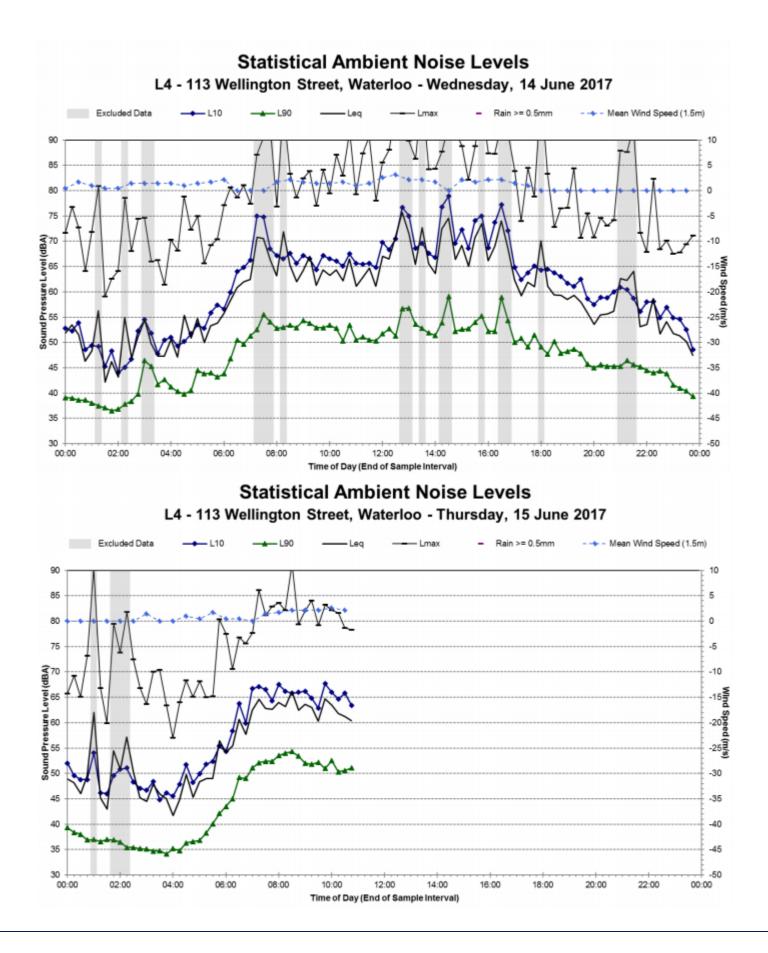






Page **156** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

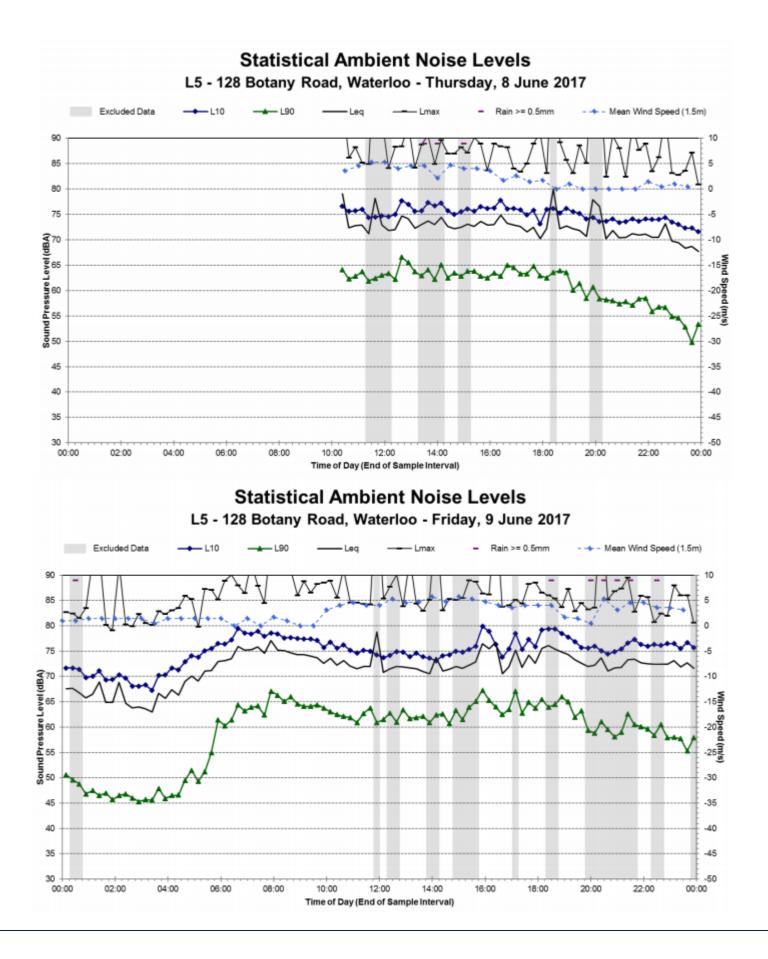






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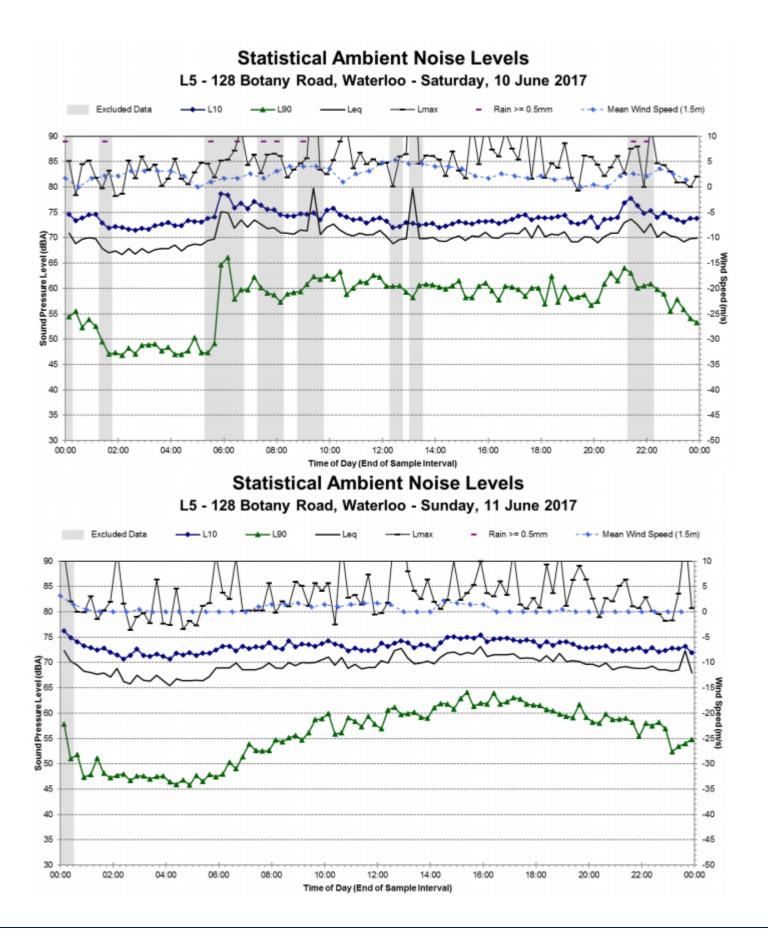






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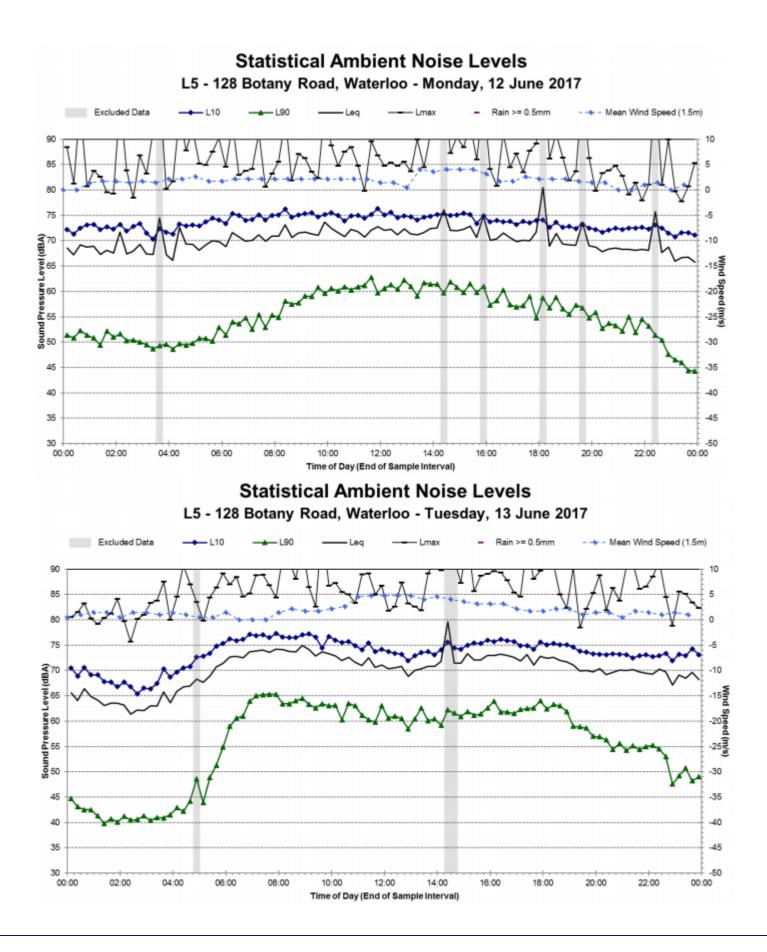






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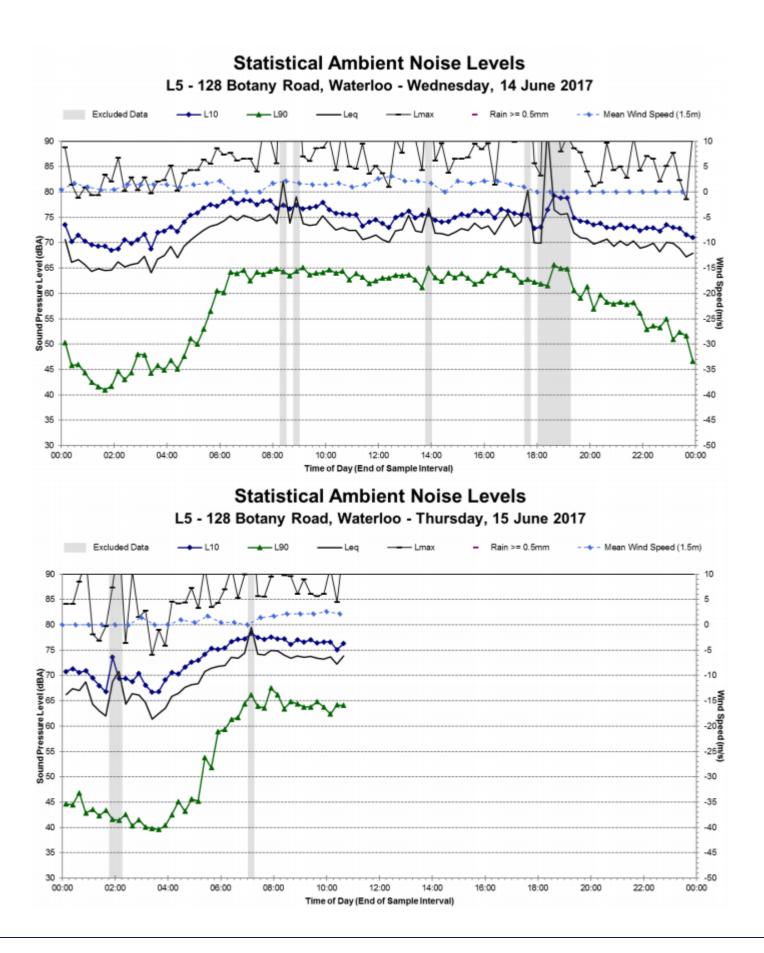






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Page **161** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

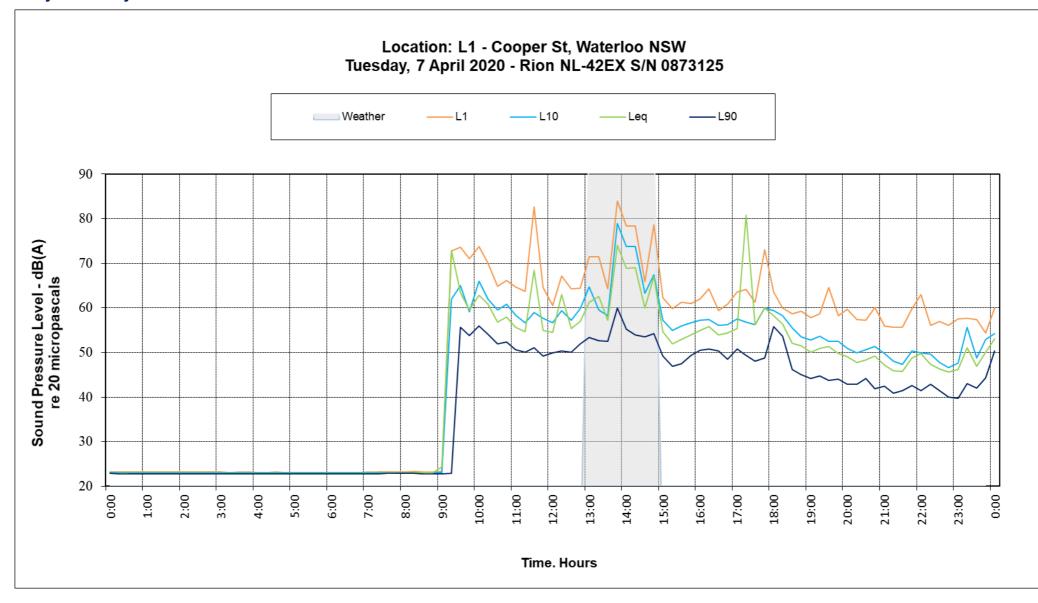




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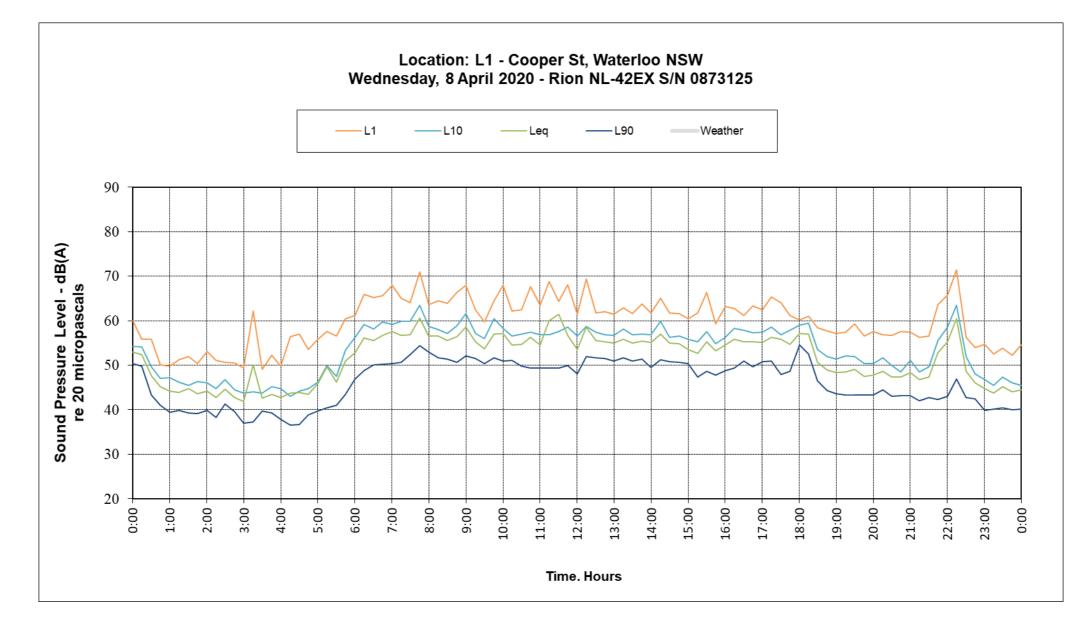
15.9.2 Current Noise Survey Results by Stantec Australia





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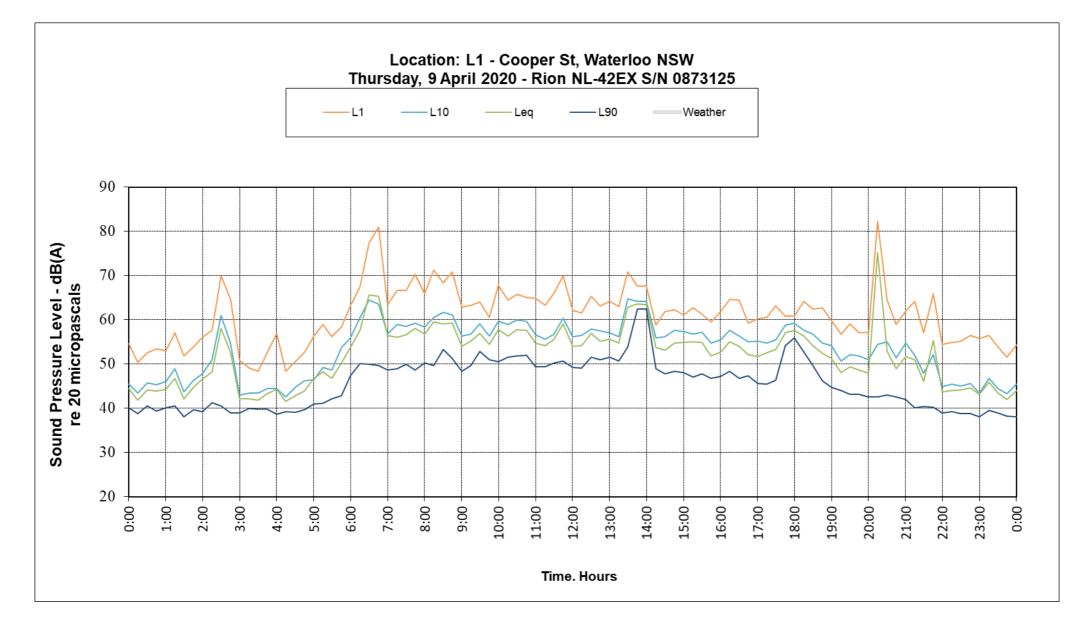






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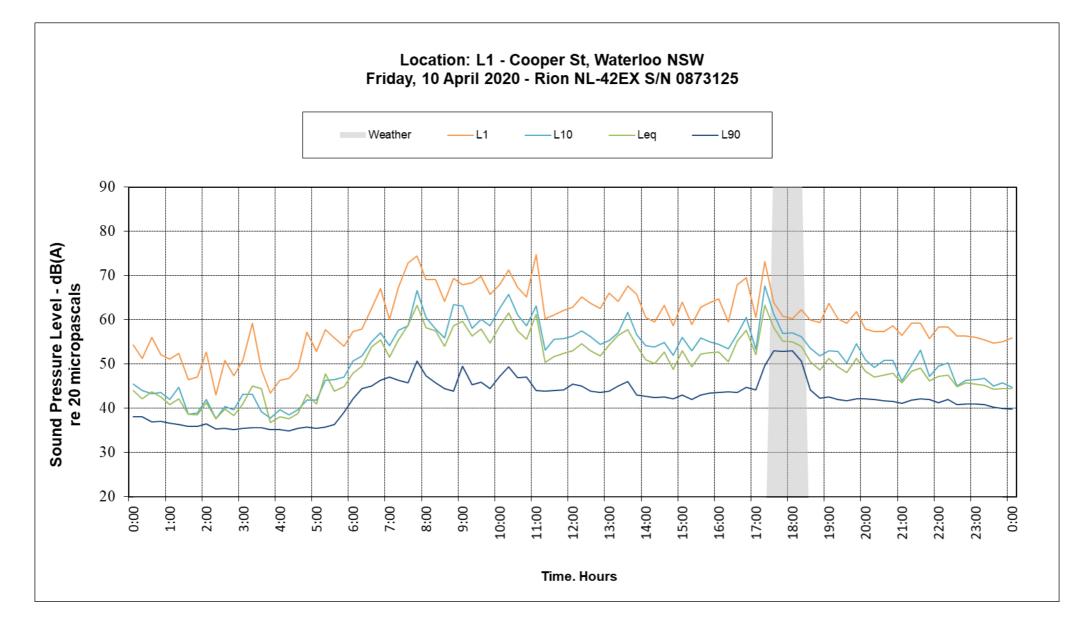






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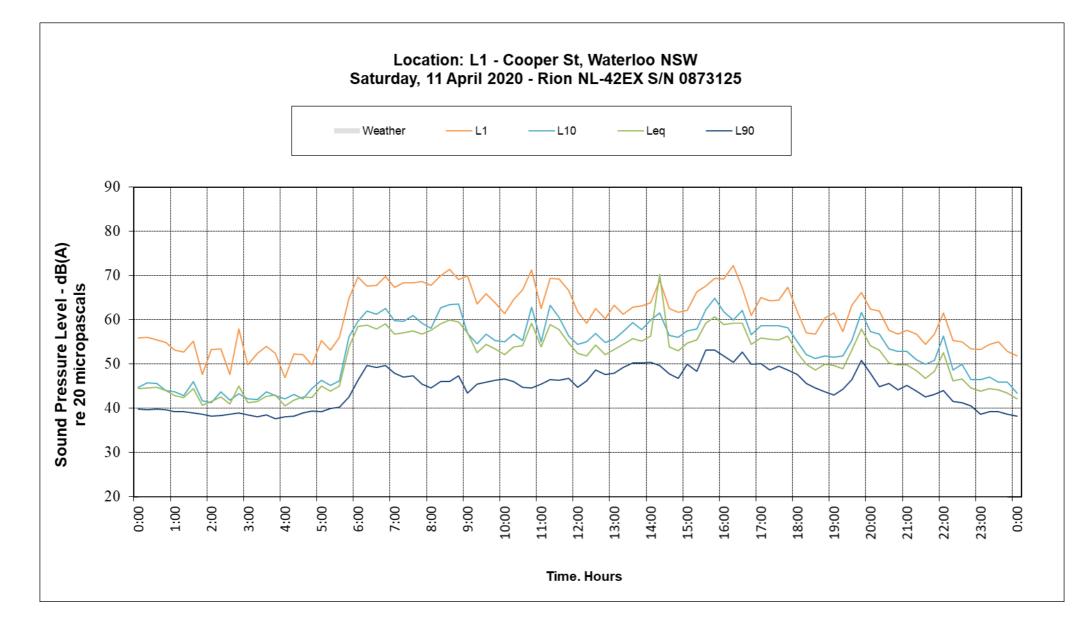






Page **166** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

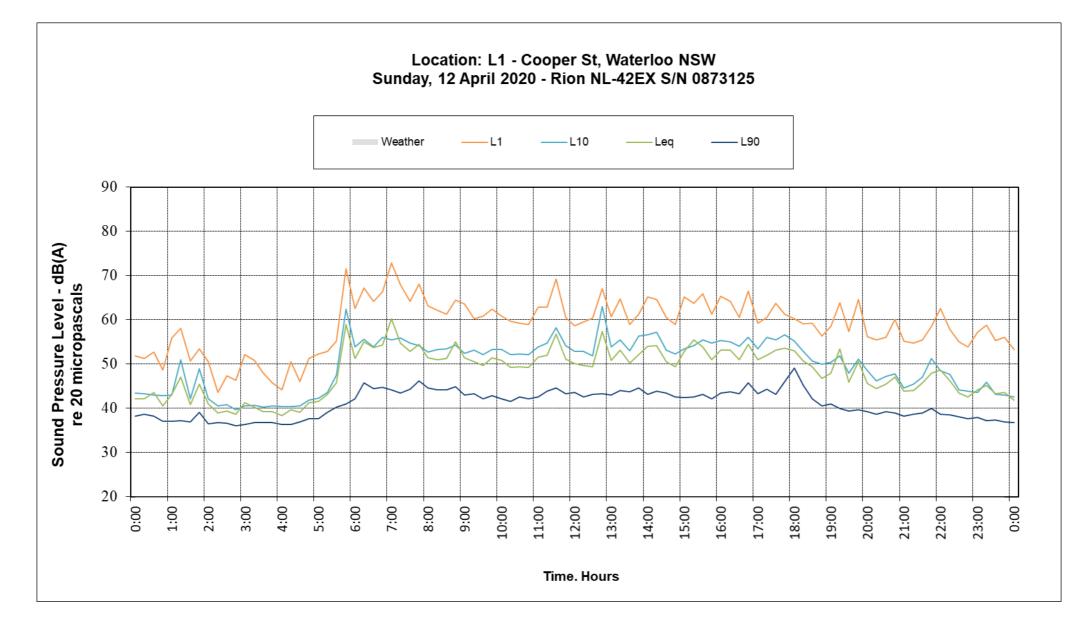






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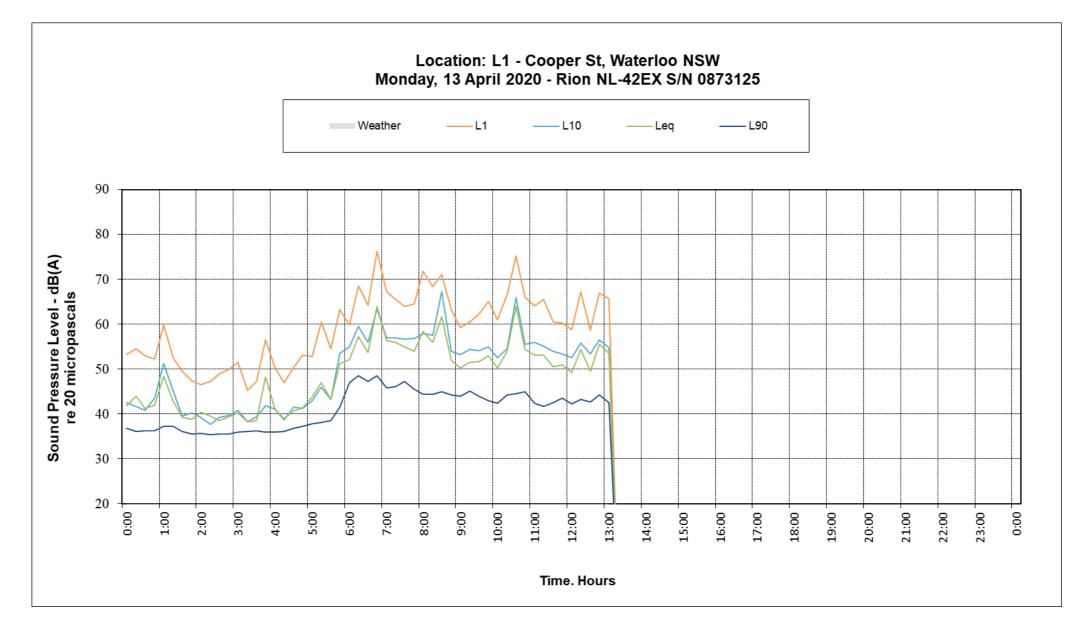






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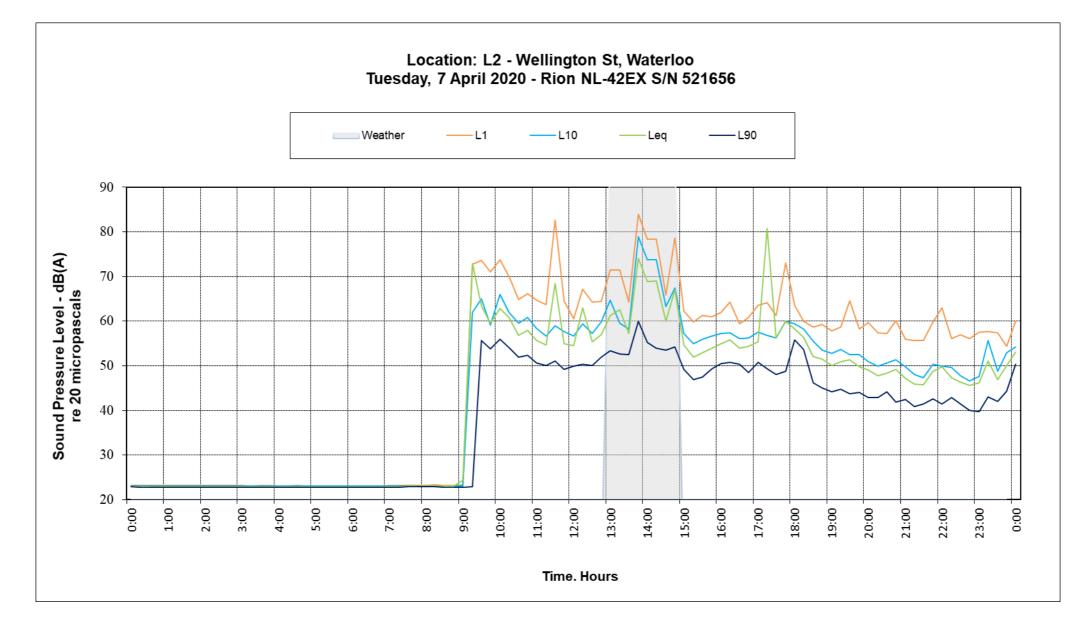






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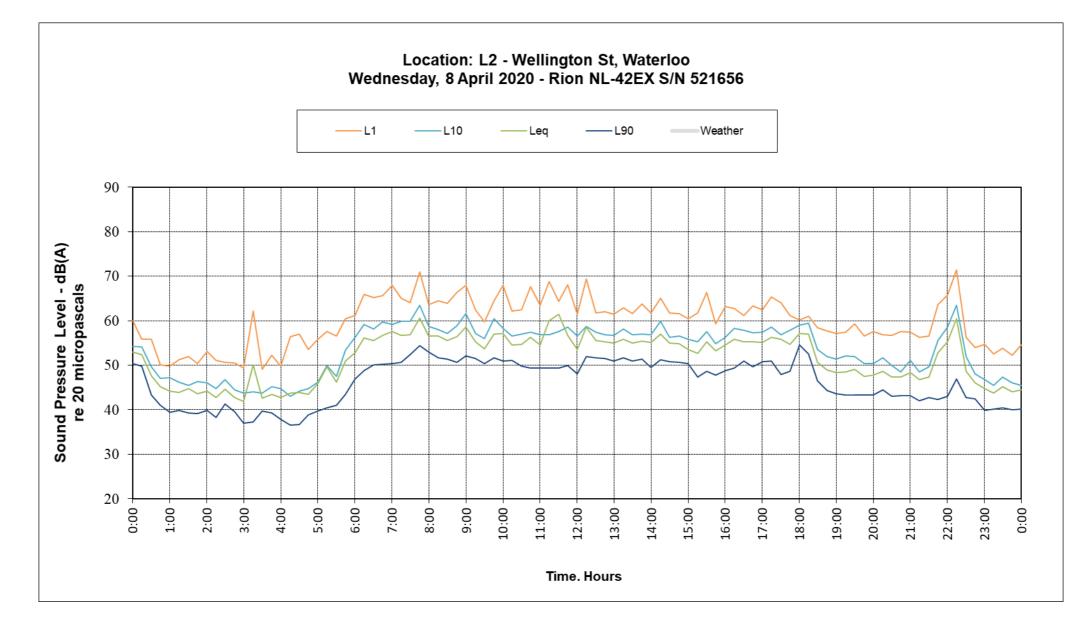






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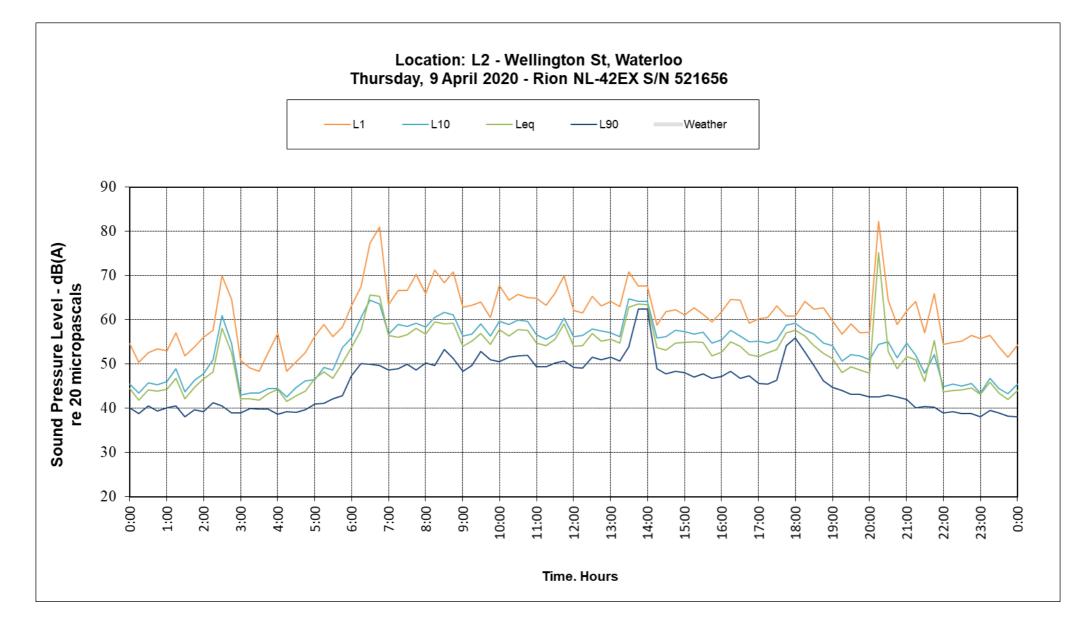






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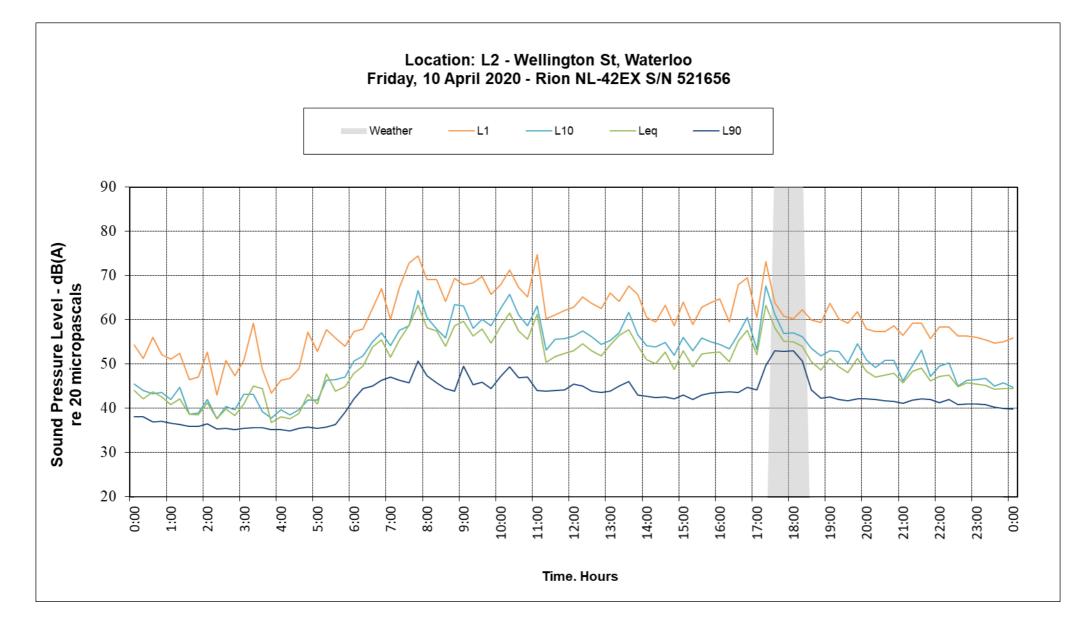






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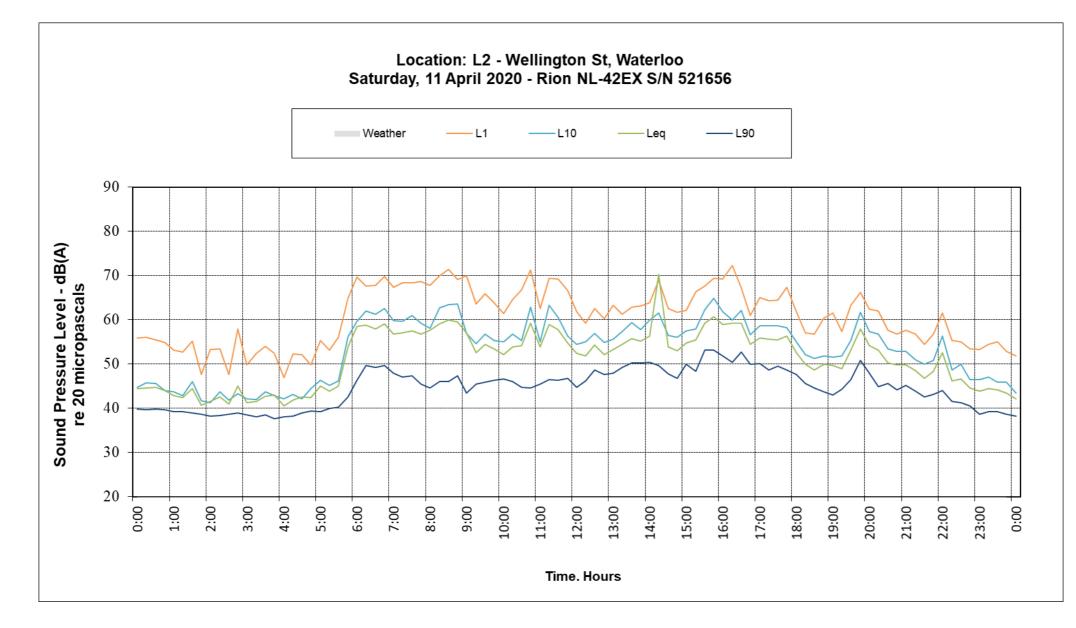






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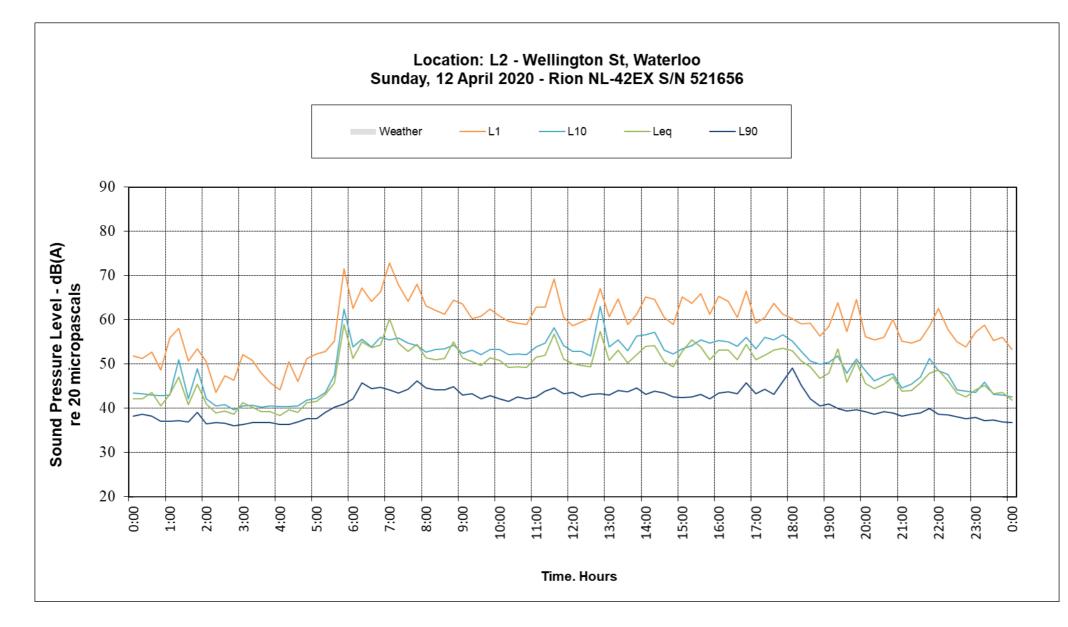






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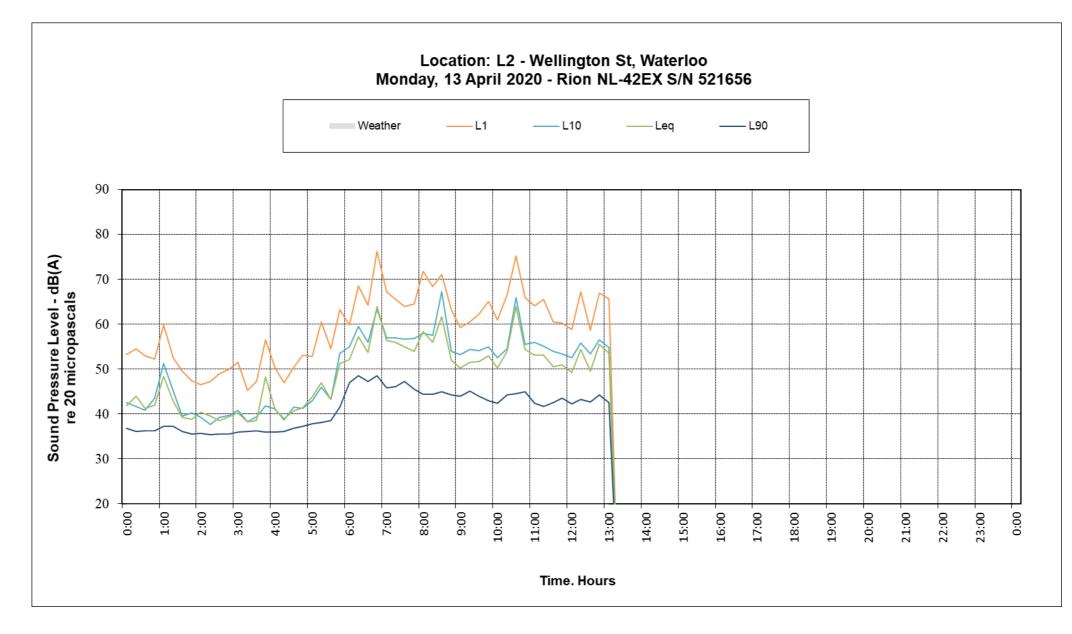






Page **175** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

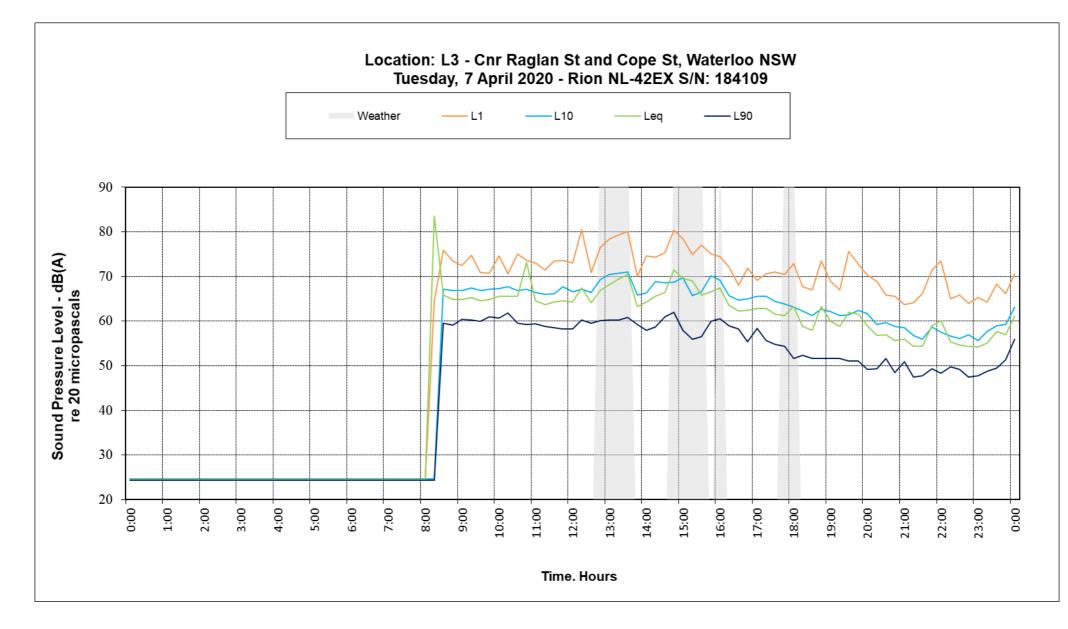






Page **176** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

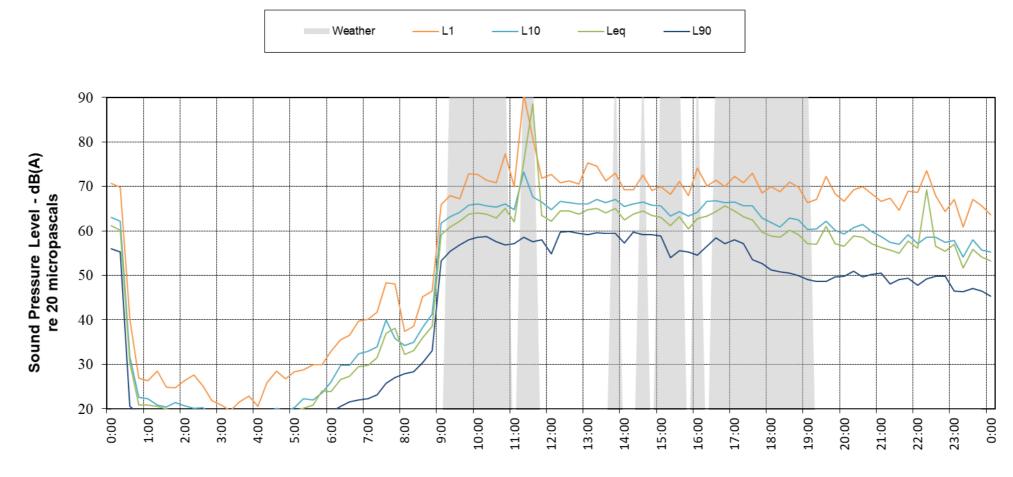






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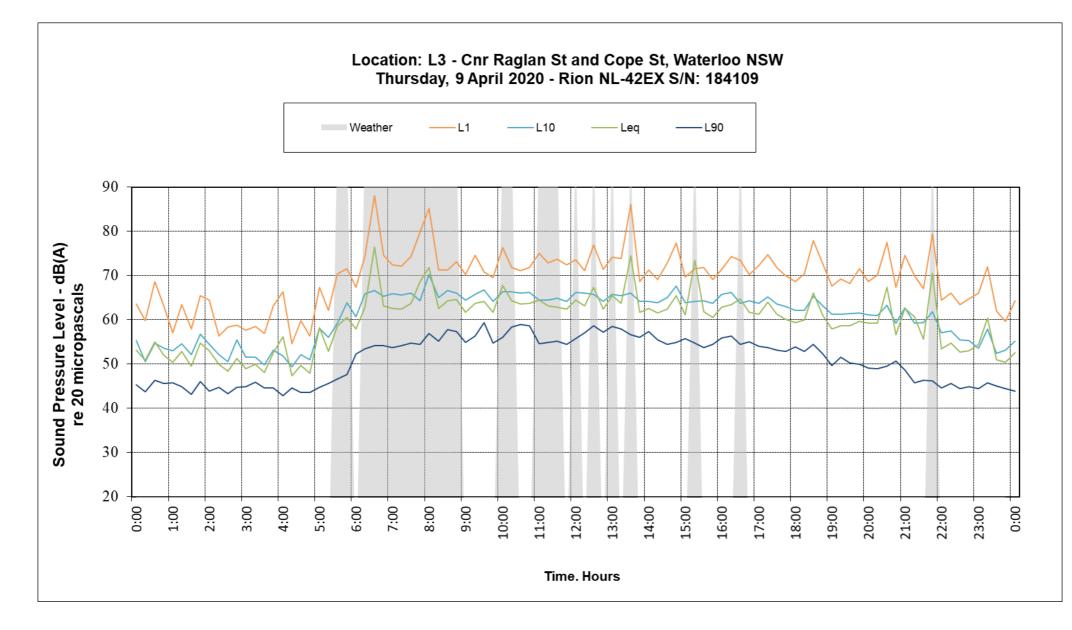
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Time. Hours



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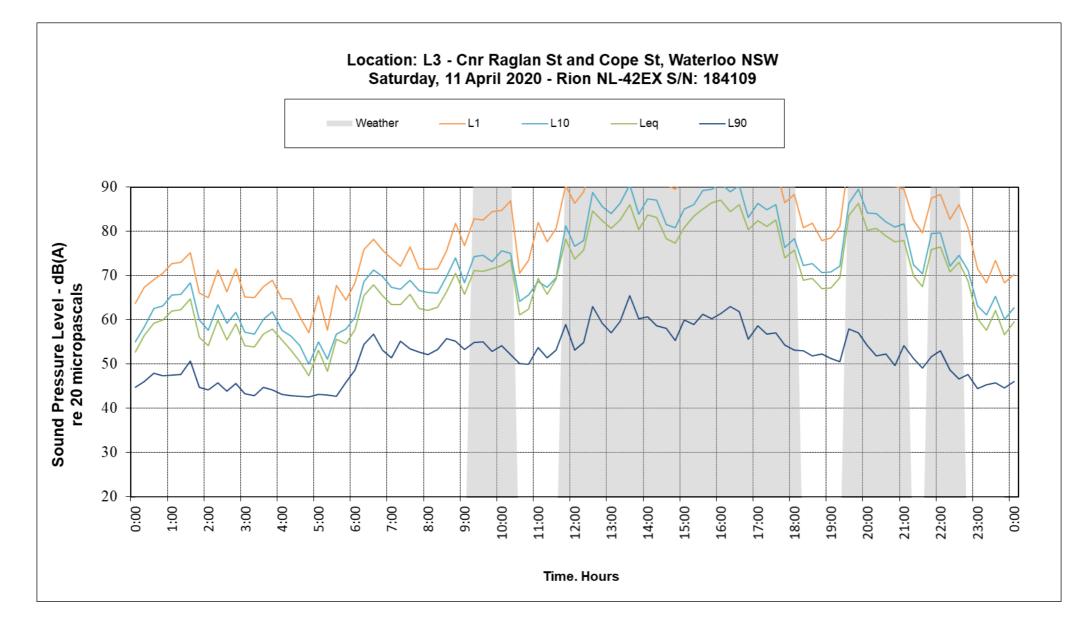






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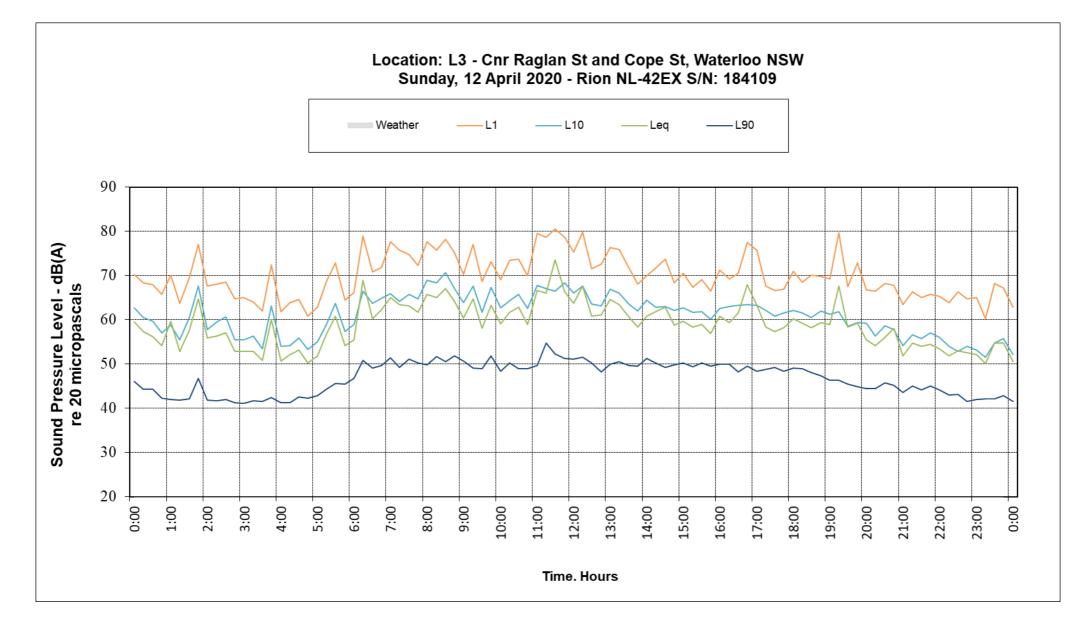






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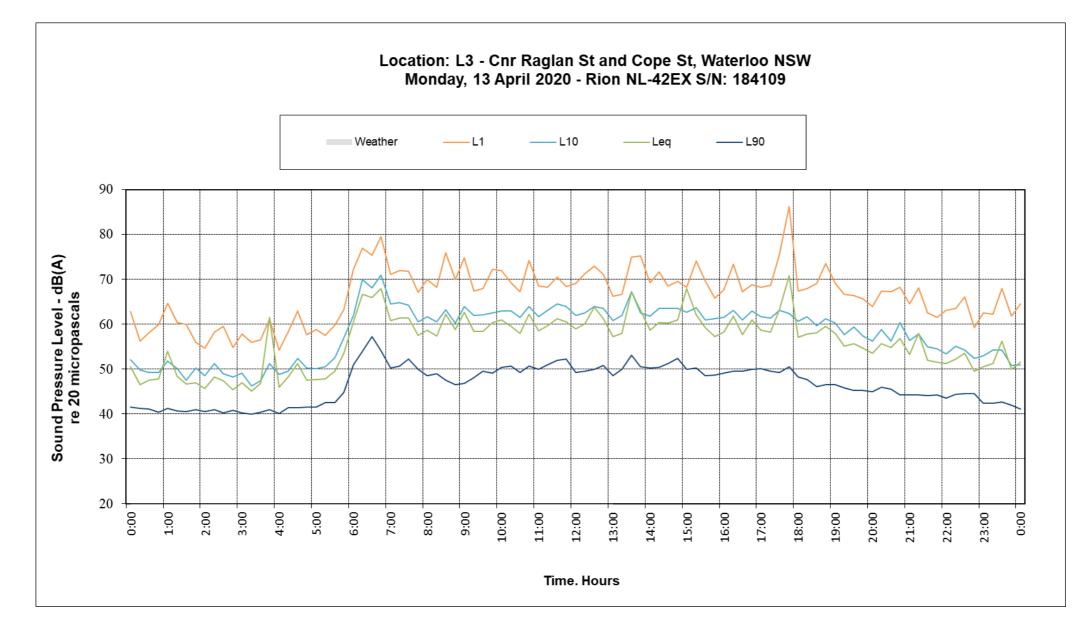






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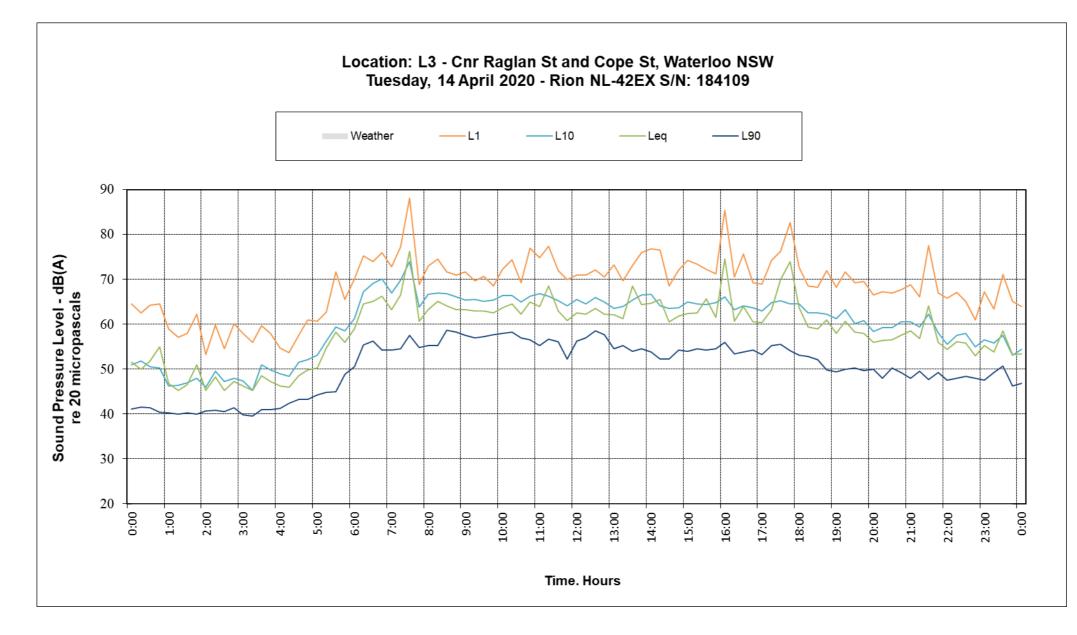






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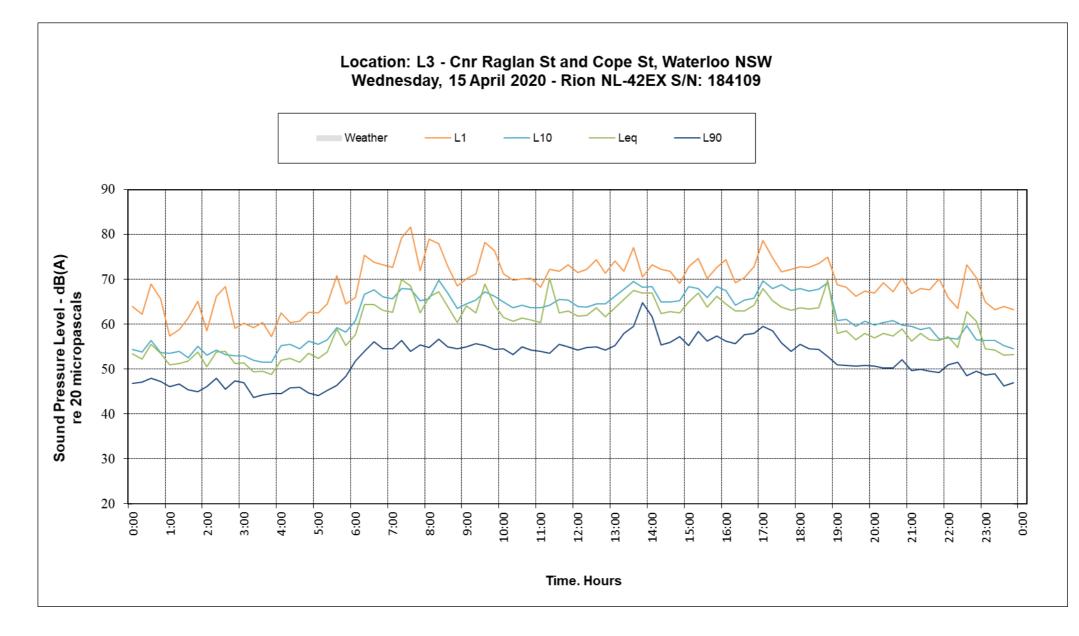






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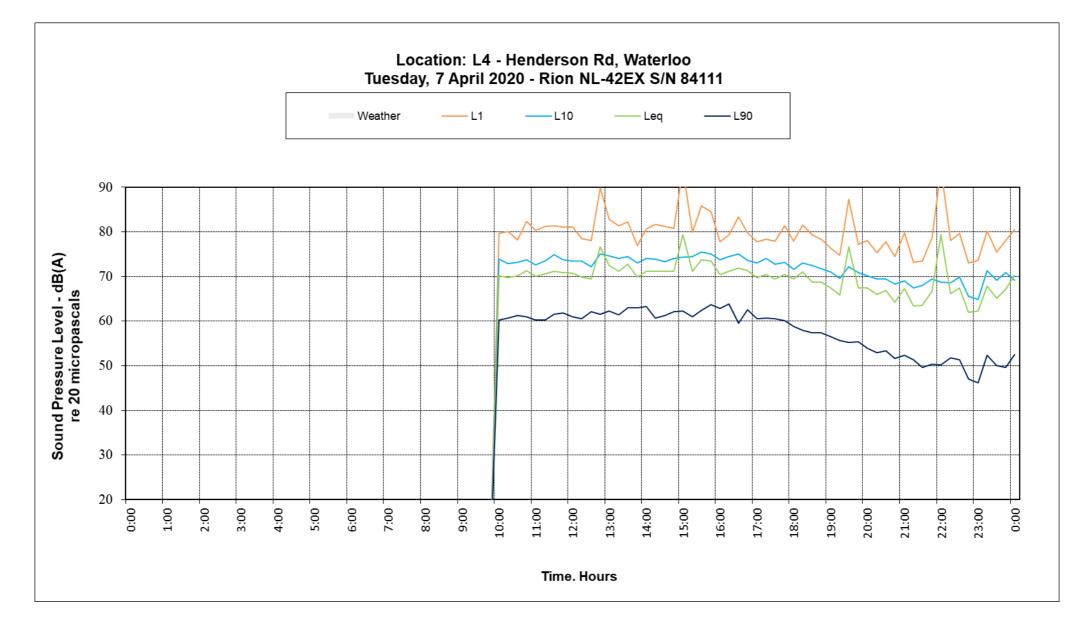






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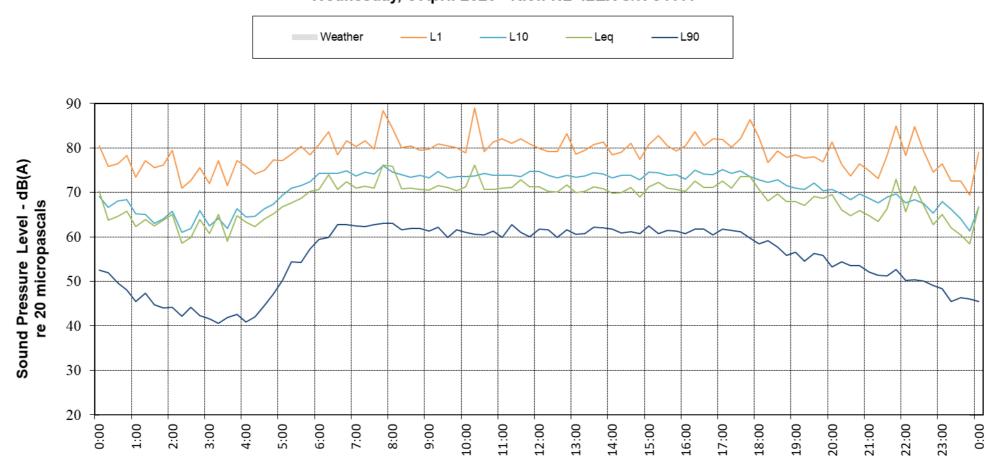






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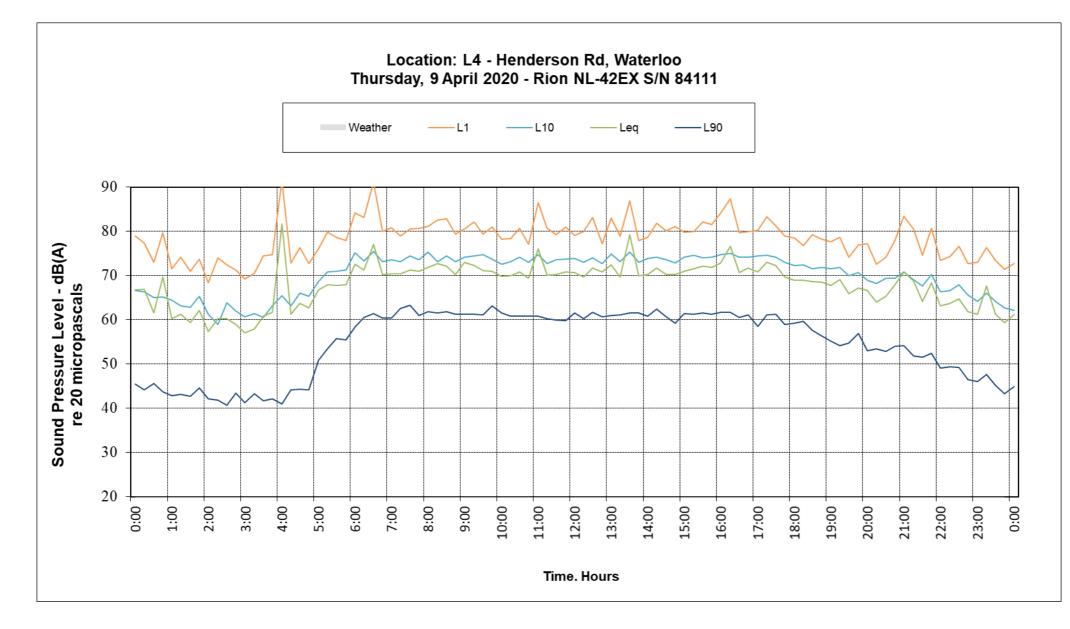
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Time. Hours



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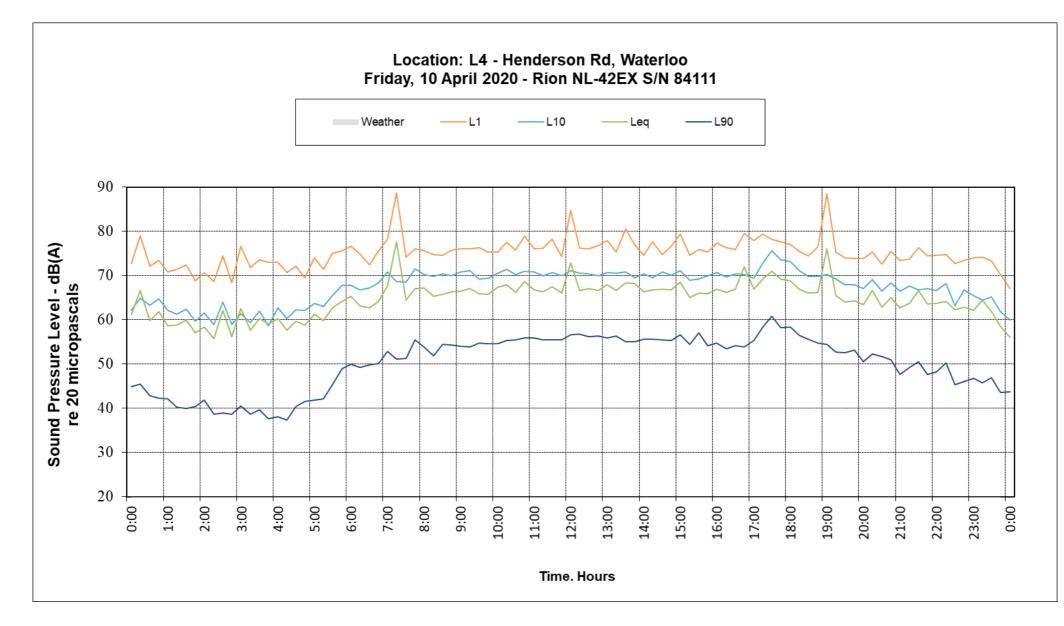






Page **187** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

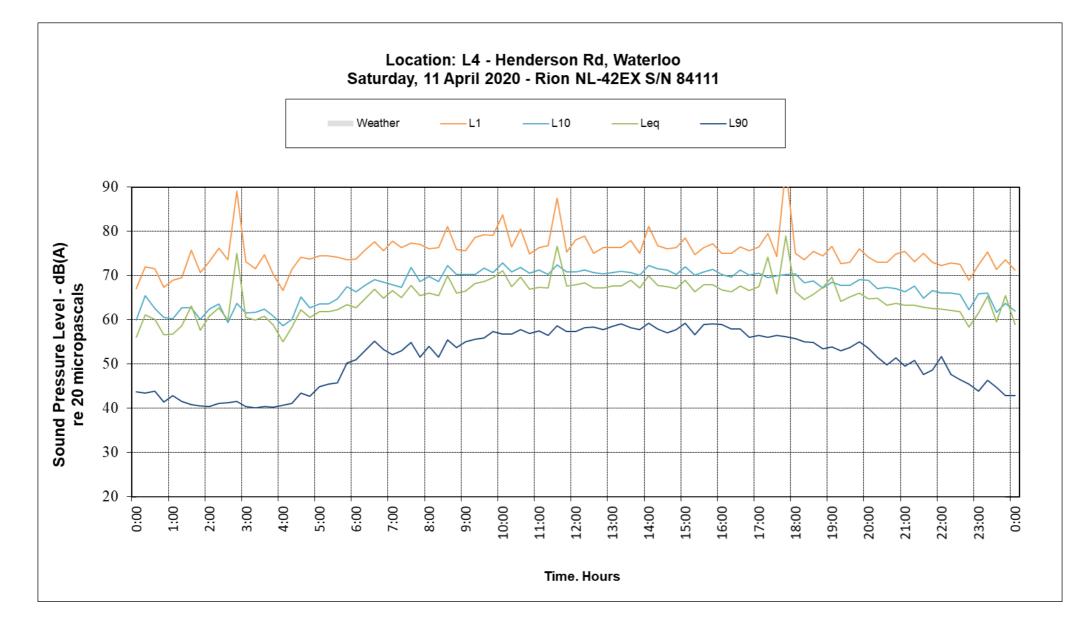






Page **188** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment

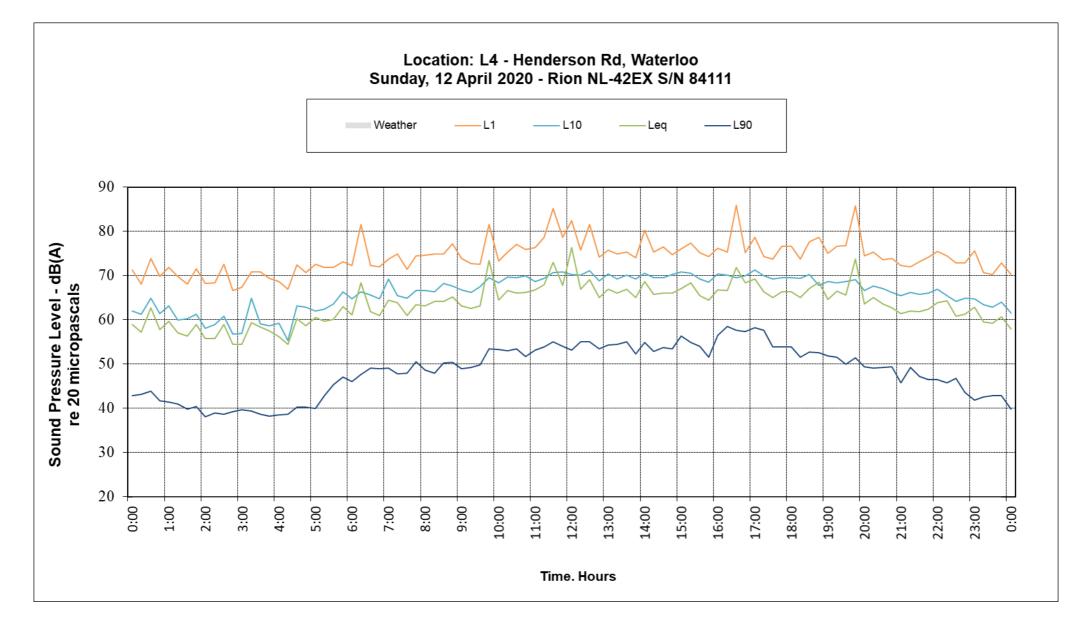






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Page **190** of **202** Waterloo Metro Quarter Over Station Development EIS Appendix K – Noise and Vibration Impact Assessment