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001	DA Package	MIS	BN	10/07/20
REV	DESCRIPTION	DRAWN	APP'D	DATE

Noise Level Legend - $L_{Aeq,1hr}$ in dB(A)					
■ < 45	■ 49-51	■ 55-57	■ 61-63	■ 67-69	
■ 45-47	■ 51-53	■ 57-59	■ 63-65	■ 69-71	
■ 47-49	■ 53-55	■ 59-61	■ 65-67	■ > 71	



Waterloo Integrated
Station Development
A Joint Venture Project
JOHN HOLLAND
mirvac


ARCHITECT/CLIENT

WATERLOO OVER-STATION
DEVELOPMENT - CUMULATIVE
ASSESSMENT

CONSTRUCTION NOISE
EMISSIONS - STRUCTURE
L11 TO L15, NO MITIGATION

PROJECT

TITLE



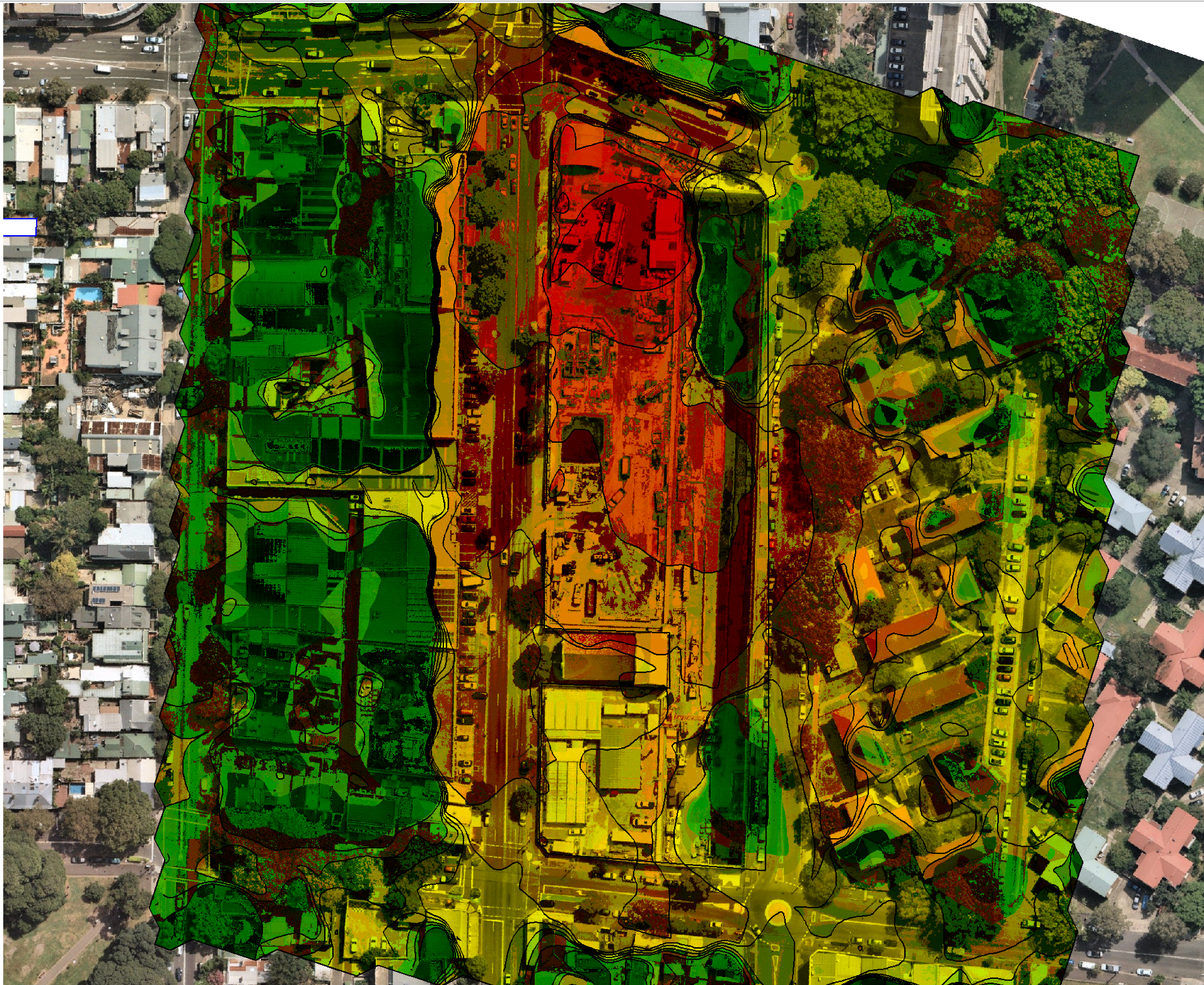
Noise Model
Construction Noise Modelling Results
Noise & Vibration

1:200
SCALE @ A0

46198
PROJECT NO

ALL-AC-GRM
DRAWING NO

001
REV



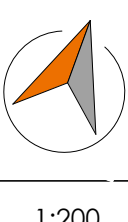
KEY	DESCRIPTION	MIS DRAWN	BN APPD	10/07/20 DATE
001	DA Package			

Noise Level Legend - $L_{Aeq,1hr}$ in dB(A)					
<div></div> < 45	<div></div> 49-51	<div></div> 55-57	<div></div> 61-63	<div></div> 67-69	
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WATERLOO OVER-STATION
DEVELOPMENT - CUMULATIVE
ASSESSMENT

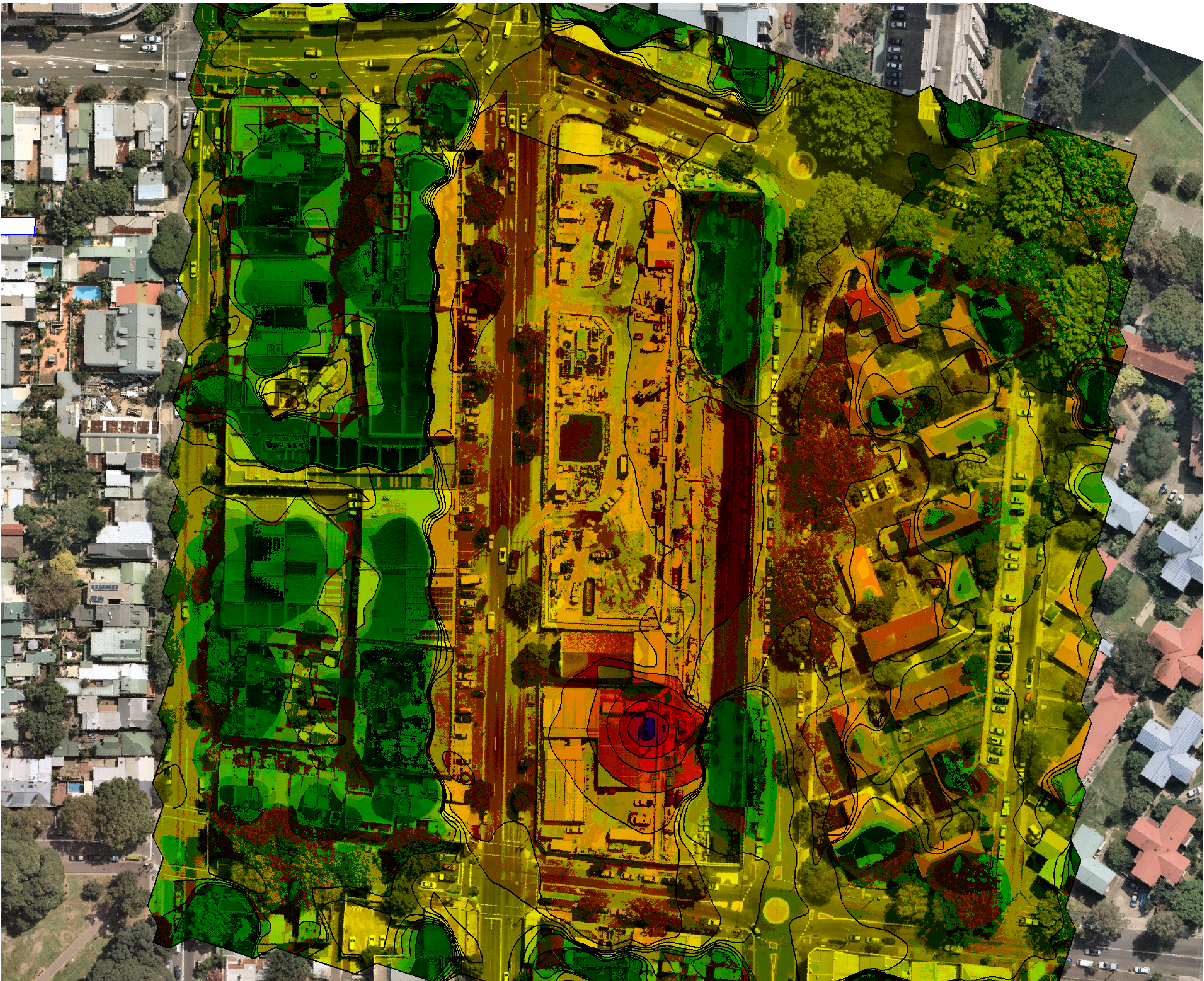
CONSTRUCTION NOISE
EMISSIONS - STRUCTURE
L11 TO L15, WITH MITIGATION



Noise Model
Construction Noise Modelling Results
Noise & Vibration

1:200 SCALE @ A0	46198 PROJECT NO	ALL-AC-GRM DRAWING NO	001 REV
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001	DA Package			

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JOHN HOLLAND **mrvac**


ARCHITECT/CLIENT

WATERLOO OVER-STATION
DEVELOPMENT - CUMULATIVE
ASSESSMENT

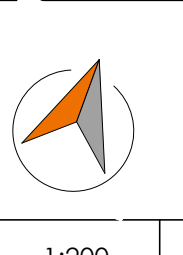
CONSTRUCTION NOISE
EMISSIONS - STRUCTURE
L16 TO L20, NO MITIGATION

PROJECT

TITLE



Stantec



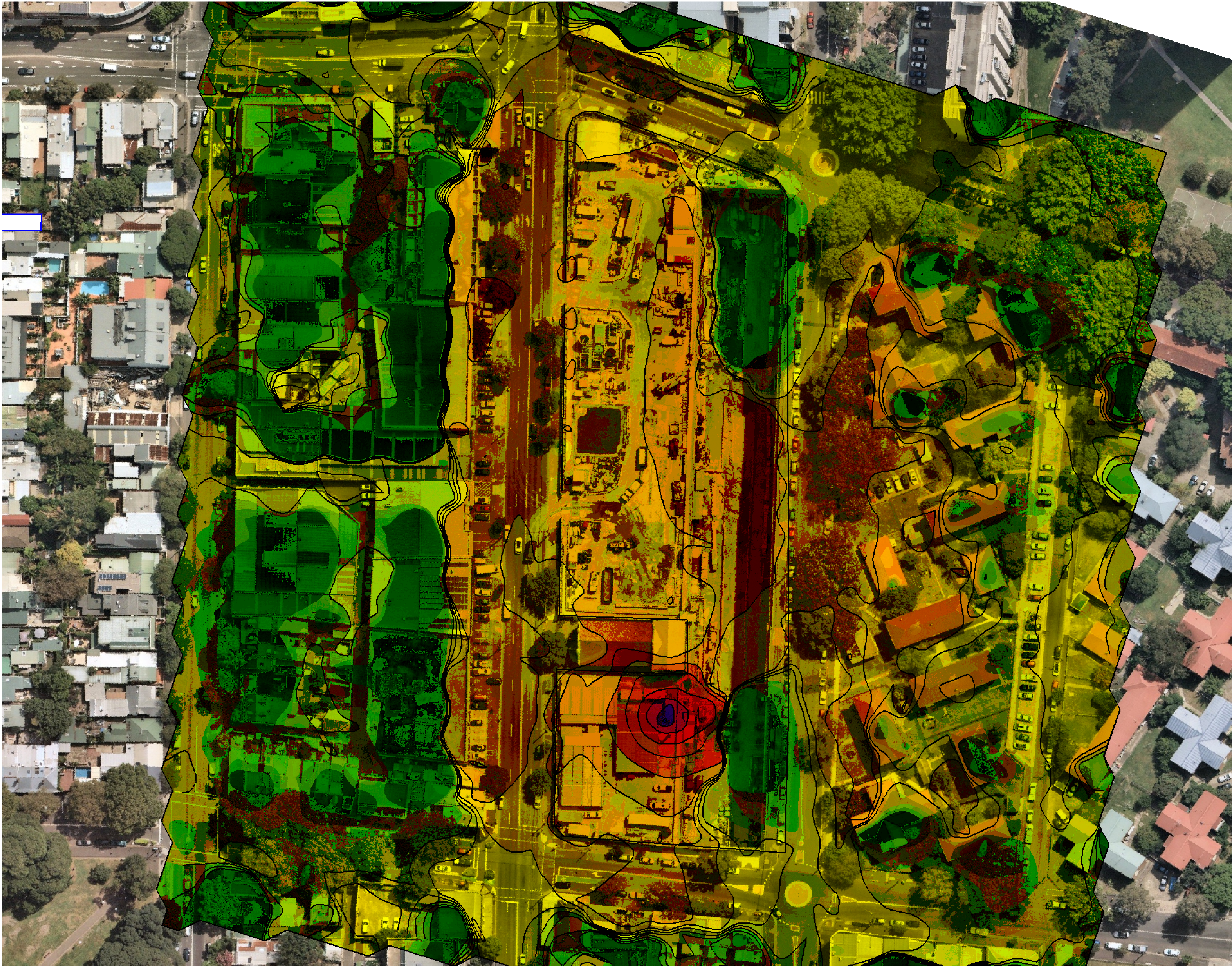
1:200
SCALE @ A0

46198
PROJECT NO

ALL-AC-GRM
DRAWING NO

001
REV

Noise Model
Construction Noise Modelling Results
Noise & Vibration



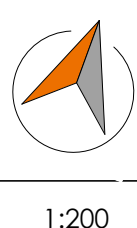
KEY	DESCRIPTION	MIS DRAWN	BN APP'D	10/07/20 DATE
001	DA Package			

Noise Level Legend - $L_{Aeq,1hr}$ in dB(A)					
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WATERLOO OVER-STATION
DEVELOPMENT - CUMULATIVE
ASSESSMENT

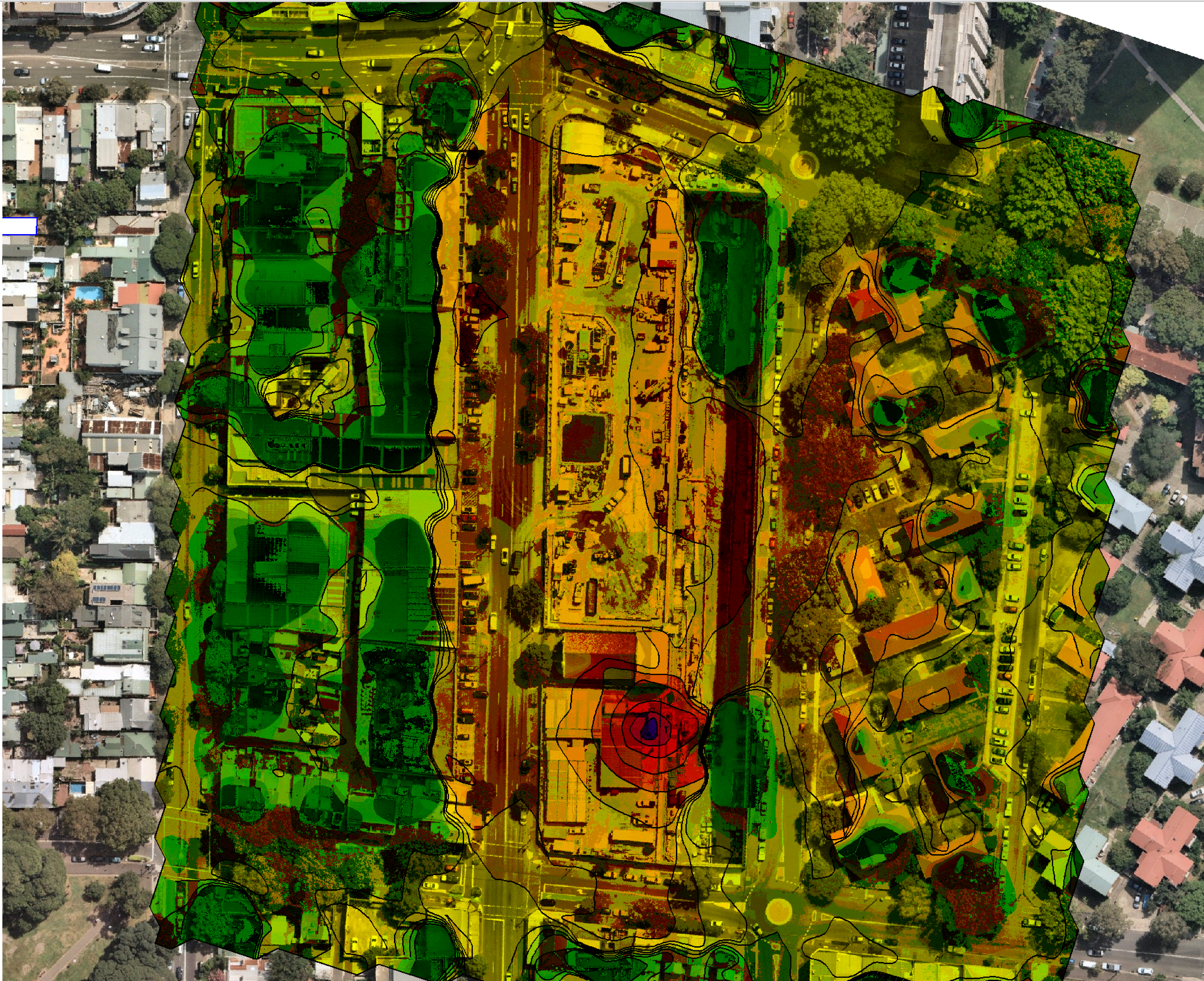
CONSTRUCTION NOISE
EMISSIONS - STRUCTURE
L16 TO L20, WITH MITIGATION



Noise Model
Construction Noise Modelling Results
Noise & Vibration

1:200	46198	ALL-AC-GRM	001
SCALE @ A0	PROJECT NO	DRAWING NO	REV

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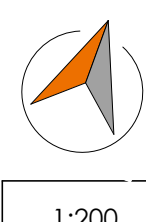
REV	DESCRIPTION	MIS DRAWN	BN APPD	10/07/20 DATE
001	DA Package			

Noise Level Legend - $L_{Aeq,1hr}$ in dB(A)					
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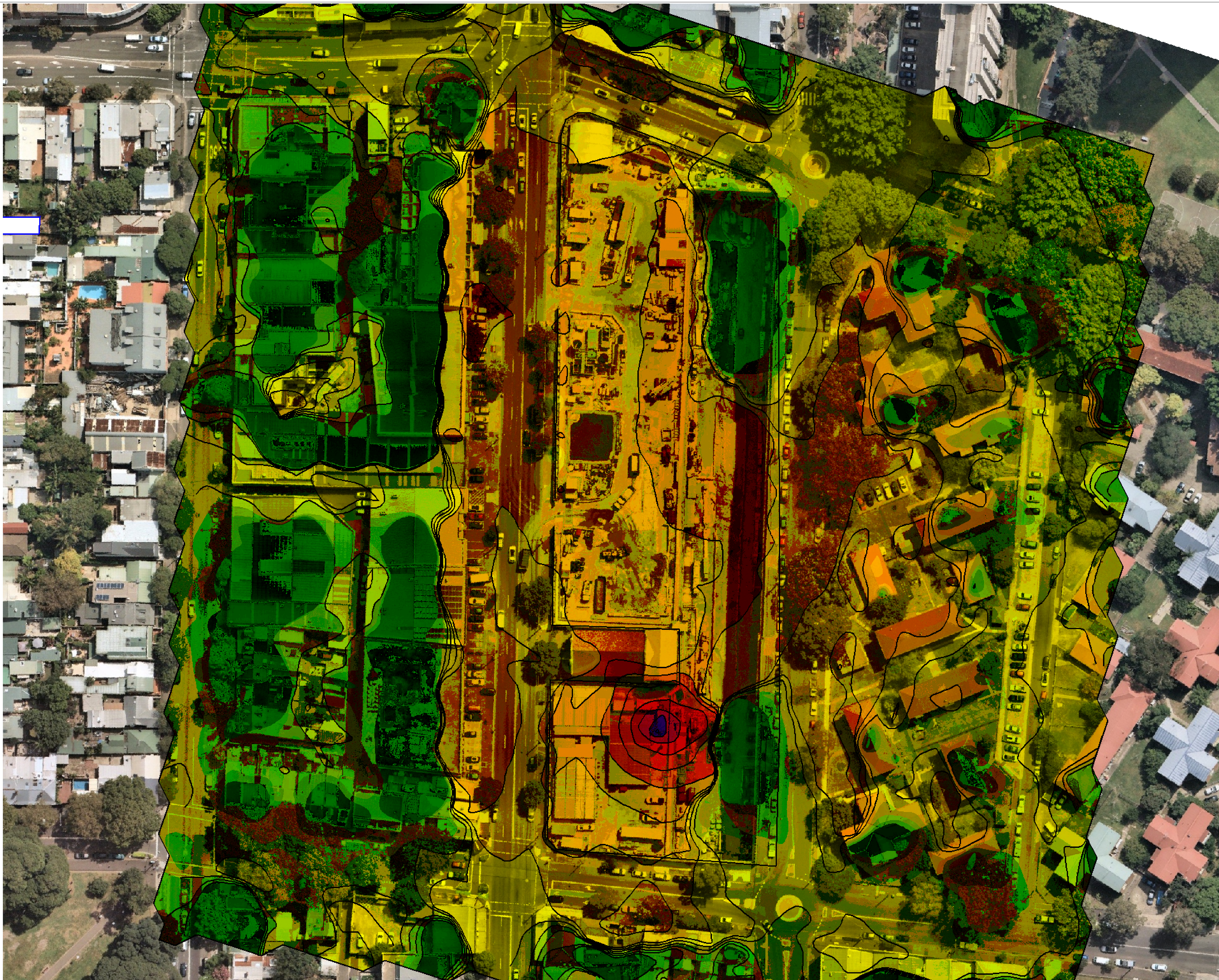
WATERLOO OVER-STATION
DEVELOPMENT - CUMULATIVE
ASSESSMENT

CONSTRUCTION NOISE
EMISSIONS - STRUCTURE
L21 TO L24, NO MITIGATION



Noise Model
Construction Noise Modelling Results
Noise & Vibration

1:200 SCALE @ A0	46198 PROJECT NO	ALL-AC-GRM DRAWING NO	001 REV
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001	DA Package	MIS	BN	10/07/20
REV	DESCRIPTION	DRAWN	APPD	DATE

Noise Level Legend - $L_{Aeq,1hr}$ in dB(A)					
<div></div> < 45	<div></div> 49-51	<div></div> 55-57	<div></div> 61-63	<div></div> 67-69	
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WATERLOO OVER-STATION
DEVELOPMENT - CUMULATIVE
ASSESSMENT

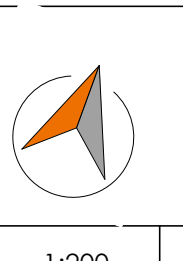
CONSTRUCTION NOISE
EMISSIONS - STRUCTURE
L21 TO L24, WITH MITIGATION

PROJECT

TITLE



Stantec



1:200
SCALE @ A0

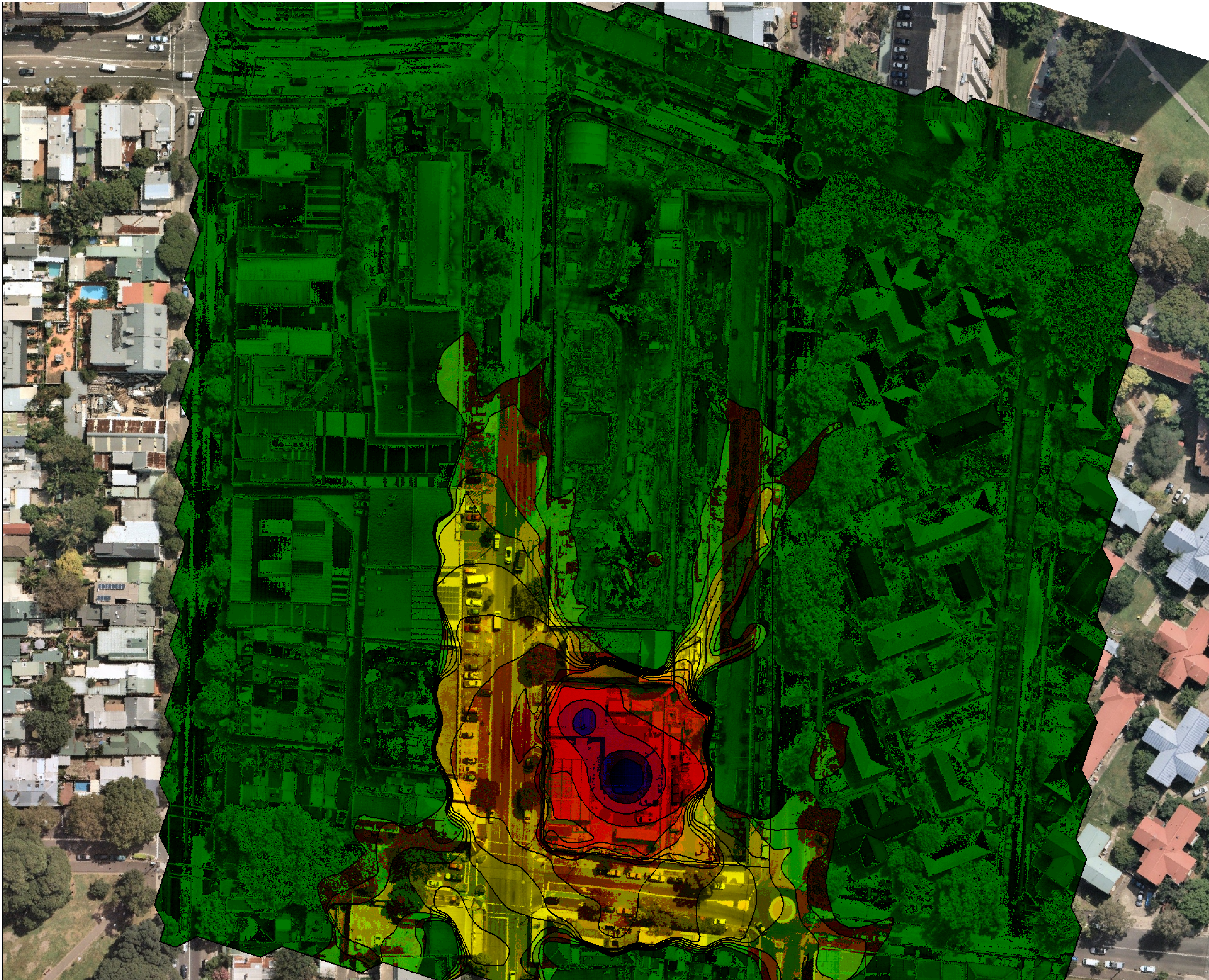
46198
PROJECT NO

ALL-AC-GRM
DRAWING NO

001
REV

Noise Model
Construction Noise Modelling Results
Noise & Vibration

15.8.2 Southern Precinct Construction Noise Modelling Results



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KEY	DESCRIPTION	MIS DRAWN	BN APPD	19/04/20 DATE
001	DA Package			

Noise Level Legend - L _{max} 1hr in dB(A)					
< 45	49-51	55-57	61-63	67-69	
45-47	51-53	57-59	63-65	69-71	
47-49	53-55	59-61	65-67	> 71	




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WATERLOO OVER-STATION
DEVELOPMENT - SOUTHERN
PRECINCT

CONSTRUCTION NOISE
EMISSIONS - STRUCTURE (GF TO
L5), WITH MITIGATION

PROJECTTITLE



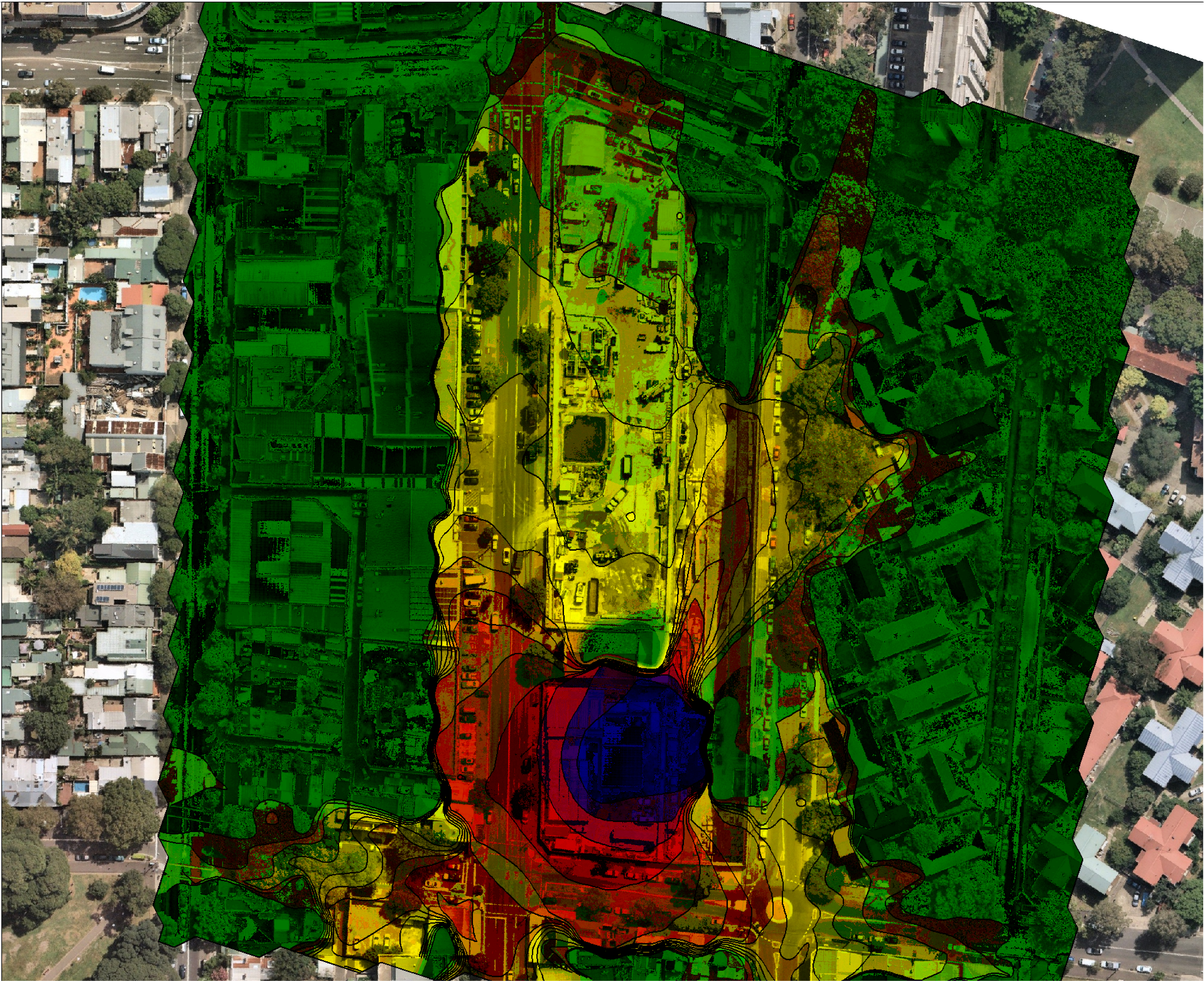
Noise Model
Construction Noise Modelling Results
Noise & Vibration

1:200
SCALE @ A0

46198
PROJECT NO

BLD34-AC-GRM
DRAWING NO

001
REV



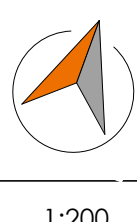
KEY	DESCRIPTION	MIS DRAWN	BN APPD	19/04/20 DATE
001	DA Package			

Noise Level Legend - $L_{Aeq,15min}$ in dB(A)					
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45-47	51-53	57-59	63-65	69-71	
47-49	53-55	59-61	65-67	> 71	



WATERLOO OVER-STATION
DEVELOPMENT - SOUTHERN
PRECINCT

Structure GF to L5
No Mitigation
 $L_{Aeq}(15min)$



Noise Model
Construction Noise Modelling Results
Noise & Vibration

1:200	46198	BLD34-AC-GRM	001
SCALE @ A0	PROJECT NO	DRAWING NO	REV

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