



Proposed Change of Use – Low Impact Industry, Warehouse &
Food and Drink Outlet
221 & 231 Rochedale Road
Rochedale

ACOUSTIC REPORT



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Metropolis Development Group Pty Ltd
ATTN: Brock Acworth

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1. Introduction

This report is in response to a request by Metropolis Development Group Pty Ltd for an environmental noise assessment of a proposed industrial warehouse and café development to be located at 221 & 231 Rochedale Road, Rochedale. To facilitate the assessment, previous unattended noise monitoring was utilised to determine the criteria for onsite activities to sensitive receivers. Based on the outcomes of the assessment, recommendations for acoustic treatments and management controls are specified.

2. Site Description

2.1 Site Location

The site is described by the following:

221 & 231 Rochedale Road, Rochedale
Lot 2 on RP161011, lot 3 on RP91931

Refer to Figure 1 for site location.

Figure 1: Site Location (Not to Scale)



A comprehensive site survey was conducted on the 10th August 2022 and identified the following:

- a) The site is currently occupied by six sheds and two 2-storey residential dwellings which will be demolished to make way for the proposed development.
- b) The surrounding area consists of commercial, rural and residential land uses.
- c) Rochedale Road is adjacent to the eastern site boundary.

A review of the site in July 2026 confirmed that the site survey remains unchanged.

2.2 Proposal

The proposal seeks to construct a warehouse development for low impact industrial operations and will consist of:

- Total site area of 17,758m².
- 199 total car parking spaces and 3 loading docks.
- Café with outdoor dining which will operate Monday to Saturday 6:00am-7:00pm.
- 5 warehouse buildings which will be comprised of:
 - Warehouse 1: 15 storage units, café and 25 car parking spaces.
 - Warehouse 2 and 3: 16 storage units and 23 car parking spaces per warehouse.
 - Warehouse 4 and 5: Consisting of a ground floor and basement level:
 - Ground floor - 16 storage units and 23 car parking spaces per warehouse.
 - Basement - 117 storage units, an office and 9 car parking spaces.
- Proposed 24-hour operation, 7 days a week.
- Site access will be via Rochedale Road.

The proposed use of the tenancies on the upper level will be for tradesman's workshops (excluding mechanics and retail), warehousing, the storage of cars, boats or other similar items and for light low impact manufacturing. The self-storage component of the development will be used for commercial storage.

Note the site has a previous DA approval (A006180853) for two low impact warehouse buildings with 24-hour operations, 7 days a week.

Refer to the Appendices for development plans and building numbering.

2.3 Warehouse Building Construction

The proposed warehouses will be constructed using:

- Concrete Tilt Panels.
- Colourbond Steel roller doors.
- Sheet metal roofing

2.4 Zoning

A review of the Brisbane City Council (BCC) Interactive Mapping indicates that the dwelling is located within an Emerging Community zone. Sensitive uses in the vicinity of the site are Emerging Community and Environmental Management zones.

Figure 2: Council Zoning



2.5 Acoustic Environment

The surrounding area is primarily affected by traffic noise from the surrounding road network and neighbouring industrial/commercial land uses.

3. Equipment

The following equipment was previously used to record ambient noise levels:

- Rion NL42 Environmental Noise Monitor
- BSWA Technology Co. Ltd Sound Calibrator

The Rion NL42 Environmental Noise Monitor holds current NATA Laboratory Certification and was field calibrated before and after the monitoring period, with no significant drift from the reference signal recorded.

4. Receivers and Noise Monitoring Location

4.1 Receiver Locations

The nearest residential receiver location was identified as follows;

1. Two-storey residential dwellings are located east of the site at 226 and 254 Rochedale Street (Emerging Community Zone).
2. A single storey dwelling is located adjacent the southern site boundary at 253 Rochedale Road (Emerging Community Zone).
3. A single storey dwelling is located adjacent the western site boundary at 32 Farley Road (Emerging Community Zone).
4. A lowset single storey dwelling is located adjacent the northern site boundary at 199 Rochedale Road (Emerging Community Zone).

These locations were chosen as being representative of the nearest residential receivers to the development.

Refer to Figure 3 for receiver locations.

Figure 3: Receiver and Noise Monitoring Locations



4.2 Unattended Noise Monitoring

A Rion NL42 environmental noise monitor was placed at 270 Rochedale Road to measure existing ambient noise levels. This location was selected as it was considered representative of the nearest residential receivers. The monitor was located in a free field position with the microphone approximately 1.4 metres above ground surface level. The noise monitor was set to record noise levels between the 10th and 17th August 2022.

The environmental noise monitor was set to record noise levels in "A" Weighting, Fast response using 15 minute statistical intervals. Ambient noise monitoring was conducted generally in accordance with Australian Standard AS 1055:2018 *Acoustics – Description and measurement of environmental noise*.

For the unattended noise monitoring location refer to Figure 2.

5. Measured Noise Levels

The following tables present the measured ambient noise levels from the unattended noise survey. Any periods of inclement weather or extraneous noise were omitted from the measured data prior to determining the results.

5.1 Meteorological Conditions

Meteorological observations during the unattended noise monitoring survey were obtained from the Bureau of Meteorology website (<http://www.bom.gov.au/climate/data>), shown in Table 1 below.

Table 1: Meteorological Conditions – Archerfield

Day	Date	Rainfall (mm)	Wind			
			9am		3pm	
			Speed (km/h)	Direction	Speed (km/h)	Direction
Wednesday	10/08/22	0	11	SW	15	SE
Thursday	11/08/22	0	13	SSW	20	E
Friday	12/08/22	0	0	-	17	NNE
Saturday	13/08/22	0.2	11	WNW	11	NNW
Sunday	14/08/22	2.8	4	SW	28	W
Monday	15/08/22	0	15	WNW	17	WNW
Tuesday	16/08/22	0	6	WSW	9	WSW
Wednesday	17/08/22	0	15	SW	17	S

5.2 Ambient Noise Levels

The ambient noise levels measured at the monitoring location are as follows:

Table 2: Measured ambient noise levels - all time periods

Day	Date	L _{Aeq,(9h)} dB(A)	L ₉₀ dB(A) (Rating Background Level)		
			Day	Evening	Night
Wednesday	10/08/22	-	37	31	30
Thursday	11/08/22	53	38	34	31
Friday	12/08/22	51	41	40	30
Saturday	13/08/22	48	42	41	36
Sunday	14/08/22	48	*43	40	36
Monday	15/08/22	53	42	42	33
Tuesday	16/08/22	53	40	37	34
Wednesday	17/08/22	53	37	30	33
Overall value		51	40	37	34

*Note rainfall and wind on the 14th was found to affect the measurements, therefore the data was omitted for the affected time periods. Refer to the appendix for graphical representation.

6. Noise Criteria

6.1 BCC - Environmental Noise Criteria

To ensure a reasonable acoustic amenity is maintained, Council requires environmental noise be assessed in accordance with Noise Impact Assessment PSP (2014). To accurately assess environmental noise, the noise must first be classified as to the type and its duration. Sections 6.1.1 to 6.1.2 breakdown the assessment requirements in relation to the project and consider the criteria in relation to the type of noise being assessed.

6.1.1 Onsite Activities - Industry Code

To ensure a reasonable amenity is maintained, the following criteria shall be applied for the assessment of onsite activities to sensitive receivers. The noise criteria as applied by Brisbane City Council in accordance the Brisbane City Plan 2014 are as follows;

Table 3: Noise (Planning) Criteria

Criteria Location	Intrusive Noise Criteria	Acoustic Amenity Criteria		
	Day, evening and night $L_{Aeq,adj,T}$ are not greater than the RBL plus the value in this column for the relevant criteria location, where T equals: - Day - 11hr - Evening - 4hr - Night - 9hr	Day, evening and night $L_{Aeq,adj,T}$ are not greater than the values in the column below for the relevant criteria location, where T equals: - Day - 11hr - Evening - 4hr - Night - 9hr		
		Day	Evening	Night
Emerging community zone boundary	5 dB(A)	55 dB(A)	50 dB(A)	45 dB(A)

The intrusive noise criteria applicable to this development are as follows:

Table 4: Applicable Intrusive Noise Criteria

Time Period	Criteria dB(A) (Rating $L_{90} + 5$ dB(A))
Day 7am – 6pm	45
Evening 6pm – 10pm	42
Night 10pm – 7am	39

The night time noise criteria as applied by Brisbane City Council in accordance the Brisbane City Plan 2014 are as follows;

Table 5: Night-time Noise Criteria

Criteria Location	Where the existing $L_{Aeq,9hr\ night}$ at the criteria location is:	Average of the highest 15 single L_{Amax} events over a given night (10pm-7pm) period is not greater than the following values at the relevant criteria location	The absolute highest single L_{Amax} event over a given night (10pm-7am) period is not greater than the following values at the relevant criteria location
At the zone boundary of:	<45dB(A)	50dB(A)	55dB(A)
• Emerging Community Zone	45 to 60dB(A)	$L_{Aeq,9hr\ night} + 5$ dB(A)	$L_{Aeq,9hr\ night} + 10$ dB(A)
	>60dB(A)	65dB(A)	70dB(A)

The night-time noise criteria applicable to this development are as follows:

Table 6: Applicable Night-time Noise Criteria

Criteria Location	Measured $L_{Aeq,9h\ night}$ dB(A)	Average 15 events Criteria L_{Amax} dB(A)	Absolute highest single event Criteria L_{Amax} dB(A)
At the zone boundary of: Emerging community zone	51	56	61

The low frequency noise criteria as applied by Brisbane City Council in accordance the Brisbane City Plan 2014 are as follows;

Table 7: Low Frequency Noise Criteria

Criteria Location	Low Frequency Noise Criteria		
	Day, evening and night $L_{Ceq,adj,T}$ are not greater than the values in the column below for the relevant criteria location, where T equals: - Day - 11hr - Evening - 4hr - Night - 9hr		
	Day	Evening	Night
Emerging community zone boundary	65 dB(C)	65 dB(C)	60 dB(C)

6.1.2 Mechanical Plant

Development that included mechanical plant (including air-conditioning plant, heat pumps and swimming pool pumps) ensures it is located, designed and attenuated to achieve the following criteria:

$L_{Aeq,adj,T}$ emitted from mechanical plant is not greater than the rating background level plus 3 at a sensitive use not associated with the development.

Where T is:

- (7am to 6pm): 11hr
- (6pm to 10pm): 4hr
- (10pm to 7am): 9hr.

Where $L_{Aeq,adj,T}$ is the A-weighted equivalent continuous sound pressure level during measurement time T, adjusted for tonal and impulsive noise characteristics, determined in accordance with the methodology described in the Noise impact assessment planning scheme policy.

The noise criteria applicable to this development are as follows:

Table 8: Applicable Mechanical Plant Noise Criteria

Time Period	Criteria dB(A) (Rating $L_{90} + 3$ dB(A))
Day 7am – 6pm	43
Evening 6pm – 10pm	40
Night 10pm – 7am	37

7. Environmental Assessment

7.1 Combined Noise Levels

To assess the impact of the onsite activities on the nearby receivers, the noise sources associated with each warehouse building is split into individual areas. These levels have then been combined to determine a single representative noise level for each area of building. These combined noise levels will then be used to assess the impact of the development on the nearby sensitive receivers. These results are shown in Table 9.

Refer to the appendix 10.1 for building numbering.

Table 9: Onsite activities for each building

Building Group	Groups	Source Leq@1m dB(A)	Correction dB(A) *	Corrected dB(A)	No. of events per day 11h	No. of events per Eve 4h	No. of events per Night 9h	Duration per event	Distance (m)	Barrier (height (m))	Barrier screening dB	Room correction dB	Building Screening dB	Dist atten. @-6dB/dd	Source L10-Leq dB	Source L1-Leq dB	L _{Aeq} adj, T ext. dB(A) Day	L _{Aeq} adj, T ext. dB(A) Eve	L _{Aeq} adj, T ext. dB(A) Night
	Description																		
A	1. Section A																		
	2. Section B																		
	3. Section C																		
	4. Section D																		
	5. Section E																		
	6. Section F																		
	Voice conversation	68		68	16	4	4	300	1					0	3	5	69	69	69
	Car passby	69		69	16	4	4	10	1					0	1	2	55	55	55
	Car start	72	2	74	16	4	4	2	1					0	4	7	53	53	53
	Car door closure	71	2	73	16	4	4	2	1					0	2	3	52	52	52
	General warehouse activities	70		70	11	3	3	1800	1				-5	0	0	0	72	73	73
	Total																74	74	74
	Criteria																		
B	Voice conversation	68		68	16	4	4	300	1					0	3	5	69	69	69
	Car passby	69		69	16	4	4	10	1					0	1	2	55	55	55
	Car start	72	2	74	16	4	4	2	1					0	4	7	53	53	53
	Car door closure	71	2	73	16	4	4	2	1					0	2	3	52	52	52
	General warehouse activities	70		70	11	3	3	1800	1				-5	0	0	0	72	73	73
	Total																74	74	74
	Criteria																		
C	Voice conversation	68		68	16	4	4	300	1					0	3	5	69	69	69
	Car passby	69		69	16	4	4	10	1					0	1	2	55	55	55
	Car start	72	2	74	16	4	4	2	1					0	4	7	53	53	53
	Car door closure	71	2	73	16	4	4	2	1					0	2	3	52	52	52
	General warehouse activities	70		70	11	3	3	1800	1				-5	0	0	0	72	73	73
	Total																74	74	74
	Criteria																		
D	Voice conversation	68		68	16	4	4	300	1					0	3	5	69	69	69
	Car passby	69		69	16	4	4	10	1					0	1	2	55	55	55
	Car start	72	2	74	16	4	4	2	1					0	4	7	53	53	53
	Car door closure	71	2	73	16	4	4	2	1					0	2	3	52	52	52
	General warehouse activities	70		70	11	3	3	1800	1				-5	0	0	0	72	73	73
	Total																74	74	74
	Criteria																		
E	Voice conversation	68		68	16	4	4	300	1					0	3	5	69	69	69
	Car passby	69		69	16	4	4	10	1					0	1	2	55	55	55
	Car start	72	2	74	16	4	4	2	1					0	4	7	53	53	53
	Car door closure	71	2	73	16	4	4	2	1					0	2	3	52	52	52
	General warehouse activities	70		70	11	3	3	1800	1				-5	0	0	0	72	73	73
	Total																74	74	74
	Criteria																		
F	Voice conversation	68		68	16	4	4	300	1					0	3	5	69	69	69
	Car passby	69		69	16	4	4	10	1					0	1	2	55	55	55
	Car start	72	2	74	16	4	4	2	1					0	4	7	53	53	53
	Car door closure	71	2	73	16	4	4	2	1					0	2	3	52	52	52
	General warehouse activities	70		70	11	3	3	1800	1				-5	0	0	0	72	73	73
	Total																74	74	74
	Criteria																		

7.1.1 Intrusive Noise, Acoustic Amenity and LA_{Max} Assessment

The average noise source levels and predicted impacts at the receiver locations are shown in Table 10 as follows. L_{Aeq} results are not shown where the calculated total is less than 0dBA.

Table 10: Noise Emission Standards (Receivers 1 to 4)

Receivers																											
1. 226 & 254 Rochedale Road (E) 2. 253 Rochedale Road (S) 3. 32 Farley Road (W) 4. 199 Rochedale Road (N)		Source @1m dB(A)	Correction dB(A) *	Corrected dB(A)	Number of events day	Number of events eve	Number of events night	Duration per event	Distance (m)	No Barrier (height (m))	Barrier screening dB	Building Screening dB	Building TL + room correction dB	Dist atten. @ 6dB/dd	L _{eq} adj, T ext. dB(A) Day	L _{eq} adj, T ext. dB(A) Eve	L _{eq} adj, T ext. dB(A) Night	Average L _{max} dBA	Absolute L _{max} dBA	Intrusive Compliance L _{eq}			Amenity Compliance L _{eq}			LAMax Compliance	
Description																				Day	Eve	Night	Day	Eve	Night	Night Average	Night Absolute
1	Criteria																			45	42	39	55	50	45	56	61
	Section A	74		74	11	4	9	3600	135			-5		-43	26	26	26	33	37	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section B	74		74	11	4	9	3600	75			-5		-38	31	31	31	38	42	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section C	74		74	11	4	9	3600	135			-5		-43	26	26	26	33	37	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section D	74		74	11	4	9	3600	75			-5		-38	31	31	31	38	42	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section E	74		74	11	4	9	3600	135			-5		-43	26	26	26	33	37	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section F	74		74	11	4	9	3600	75			-5		-38	31	31	31	38	42	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Café -Outdoors	70		70	11	1	1	3600	50					-34	36	30	26	40	44	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Café -Outdoors (First floor)	70		70	11	1	1	3600	50					-34	36	30	26	36	36	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Kitchen Activities	72		72	11	1	1	3600	55				-5	-35	32	26	22	36	39	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Total															42	39	38	40	44	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2	Criteria																			45	42	39	55	50	45	56	61
	Section A	74		74	11	4	9	3600	7			-23		-17	34	34	34	41	45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section B	74		74	11	4	9	3600	7			-23		-17	34	34	34	41	45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section C	74		74	11	4	9	3600	40			-17		-32	25	25	25	32	36	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section D	74		74	11	4	9	3600	40			-17		-33	24	24	24	31	35	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section E	74		74	11	4	9	3600	80			-15		-39	20	20	20	27	31	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section F	74		74	11	4	9	3600	80			-15		-39	20	20	20	27	31	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Café -Outdoors	70		70	11	1	1	3600	7	4	-20			-17	33	27	23	37	41	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Café -Outdoors (First floor)	70		70	11	1	1	3600	7			-19		-17	34	28	24	34	34	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Kitchen Activities	72		72	11	1	1	3600	6	4	-20			-16	36	30	26	40	43	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Total															42	39	38	41	45	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3	Criteria																			45	42	39	55	50	45	56	61
	Section A	74		74	11	4	9	3600	50	2	-14			-34	26	26	26	33	37	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section B	74		74	11	4	9	3600	100	2	-14			-40	20	20	20	27	31	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section C	74		74	11	4	9	3600	50	2	-14			-34	26	26	26	33	37	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section D	74		74	11	4	9	3600	100	2	-14			-40	20	20	20	27	31	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section E	74		74	11	4	9	3600	50	2	-14			-34	26	26	26	33	37	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section F	74		74	11	4	9	3600	100	2	-14			-40	20	20	20	27	31	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Café -Outdoors	70		70	11	1	1	3600	130	2	-14			-42	14	8	4	18	22	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Café -Outdoors (First floor)	70		70	11	1	1	3600	130	2	-13			-42	15	9	5	15	15	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Kitchen Activities	72		72	11	1	1	3600	130	2	-14			-42	16	10	6	20	23	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Total															32	32	32	33	37	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4	Criteria																			45	42	39	55	50	45	56	61
	Section A	74		74	11	4	9	3600	100			-22		-40	12	12	12	19	23	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section B	74		74	11	4	9	3600	100			-22		-40	12	12	12	19	23	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section C	74		74	11	4	9	3600	67			-22		-37	15	15	15	22	26	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section D	74		74	11	4	9	3600	67			-22		-37	15	15	15	22	26	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section E	74		74	11	4	9	3600	30	2	-19			-30	25	25	25	32	36	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Section F	74		74	11	4	9	3600	30	2	-19			-30	25	25	25	32	36	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Café -Outdoors	70		70	11	1	1	3600	100			-22		-40	8	2		12	16	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Café -Outdoors (First floor)	70		70	11	1	1	3600	100			-22		-40	8	2		8	8	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Kitchen Activities	72		72	11	1	1	3600	100			-22		-40	10	4		14	17	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Total															29	29	29	32	36	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

*Correction due to tonality and impulsiveness as per AS1055:2018.

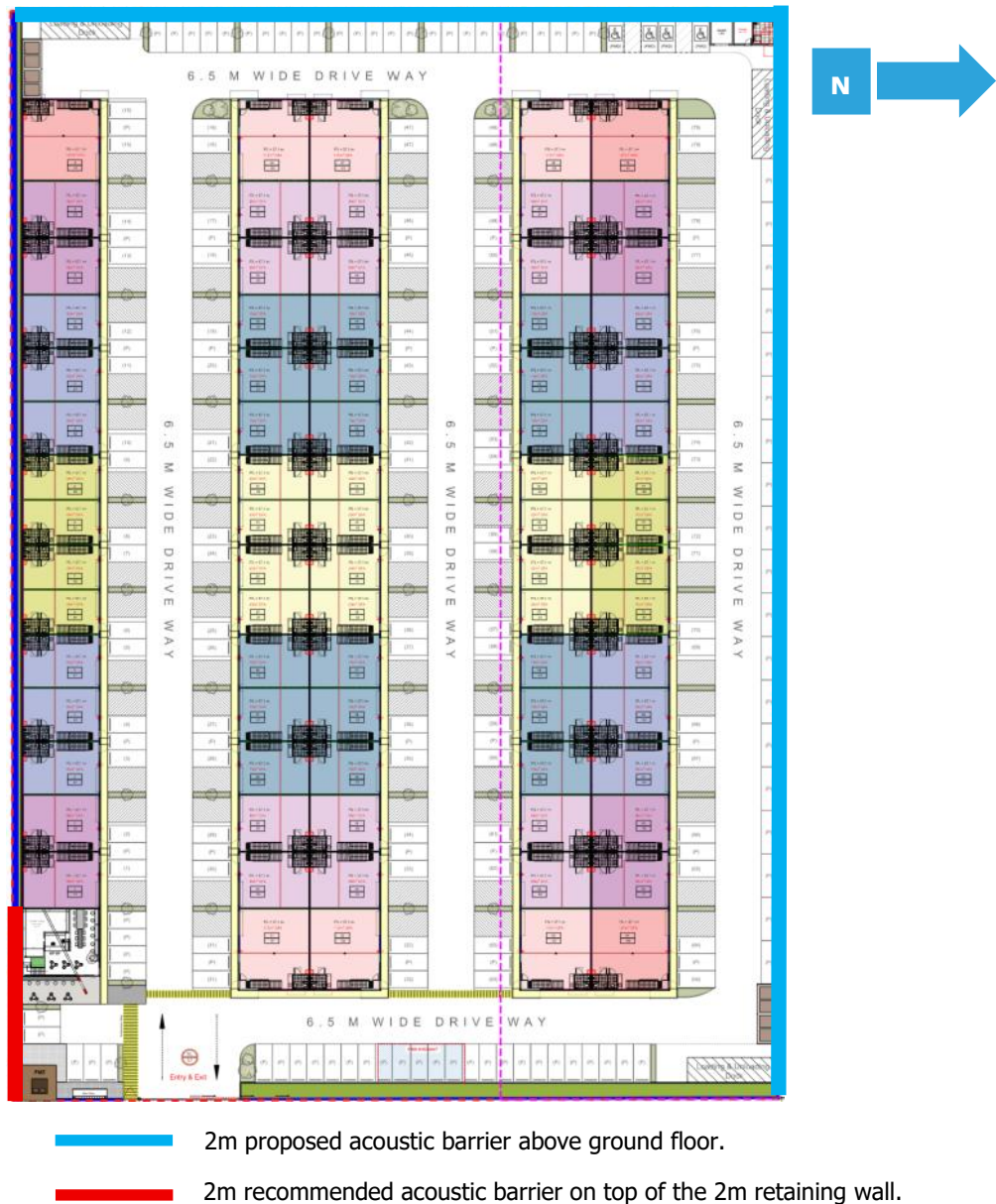
Compliance is predicted on condition that the recommendations in Section 8 are implemented.

8. Recommendations

8.1 Acoustic Barrier

A 2m acoustic barrier is recommended to be constructed above the RL of the retaining wall along the southeastern site boundary, and above the ground level on the northern and western site boundary as shown in Figure 4. The barrier should achieve a minimum surface density of 12kg/m^2 and can be constructed using 9mm FC, masonry or 16mm timber palings with a 50% overlap.

Figure 4: Proposed and Recommended Acoustic Barrier Location



8.2 Onsite Activities

Compliance is predicted with the assessment criteria at the nearest receivers on the condition the following recommendations are implemented:

- It is recommended that waste collection is conducted in accordance with the neighbouring businesses to reduce the potential for disturbance.
- Construct the acoustic barriers as nominated in Section 8.1.
- Any windows on the southern façade of the café shall remain closed while the café is in use.
- All building will be constructed using tilt concrete panel construction with metal deck roof and glazing on the southern and western façade 6.38 laminate with acoustic seals (Rw 31).

8.3 Onsite Mechanical Plant

No new mechanical services are proposed. We recommend that any new mechanical plant is designed to comply with the criteria stated in Section 6 with an assessment by qualified acoustic consultant to be conducted prior to installation.

9. Conclusion

An environmental noise assessment was conducted for the proposed change of use of the low impact warehouse located at 221 & 231 Rochedale Road, Rochedale. On the condition the recommendations detailed in Section 8 are implemented, compliance is predicted with BCC assessment criteria.

If you should have any queries, please do not hesitate to contact us.

Report Prepared By



Hugo Doughty
Acoustic Consultant
acousticworks)))

10. Appendices

10.1 Building Numbering



10.2 Development Plans



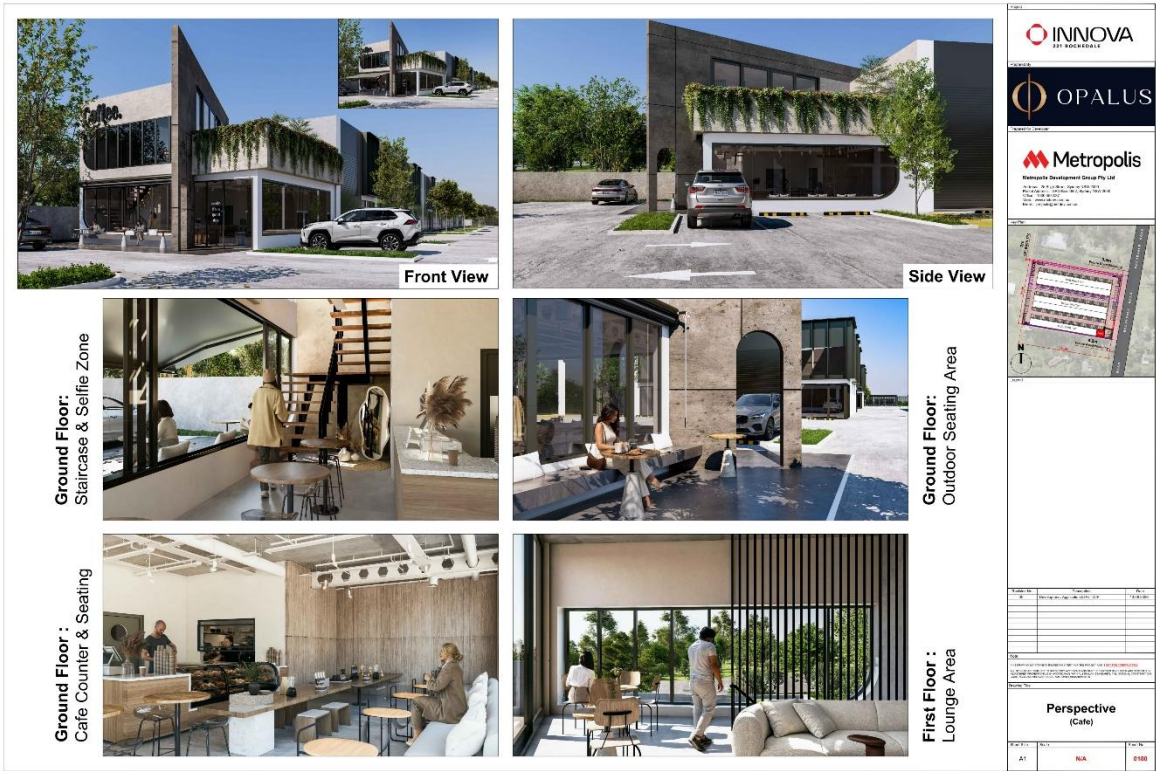
DRAWING REGISTER		
Sheet No.	Description	Scale
0000	Cover Drawing Register	----
0100	Perspective (Cafe)	----
0101	Perspective (Warehouse)	----
0102	Perspective (Self Storage)	----
0200	Site Plot Information & Overall Roof Plan	As Noted
0201	Warehouse Ground Floor	1:400
0202	Warehouse Mezzanine Plan	1:400
0203	Self Storage Ground Plan	1:400
0204	Self Storage Mezzanine Plan	1:400
0205	Master Plan (Overall Site Elevations)	1:250
0206	Master Plan (Overall Site Sections)	1:250
Sheet No.	Description	Scale
0300	Self Storage Typology layout	1:300
0301	Self Storage (Ground, Mezzanine & Roof Plan)	1:300
0302	Self Storage Elevations	1:250
0303	Self Storage Sections	As Noted
Sheet No.	Description	Scale
0400	Cafe (Ground Floor, First Floor & Roof Plan)	1:60
0401	Cafe (Sections & Elevations)	1:45
Sheet No.	Description	Scale
1000	Warehouse Typology	1:300
1100	Building A Floor Plans	1:200
1200	Building A Elevations	As Noted
1300	Building A Sections	As Noted
2100	Building B Floor Plans	1:250
2200	Building B Elevations	As Noted
2300	Building B Sections	As Noted
3100	Building C Floor Plans	1:250
3200	Building C Elevations	As Noted
3300	Building C Sections	As Noted
4100	Gate, Mail Box & Bin Store	As Noted

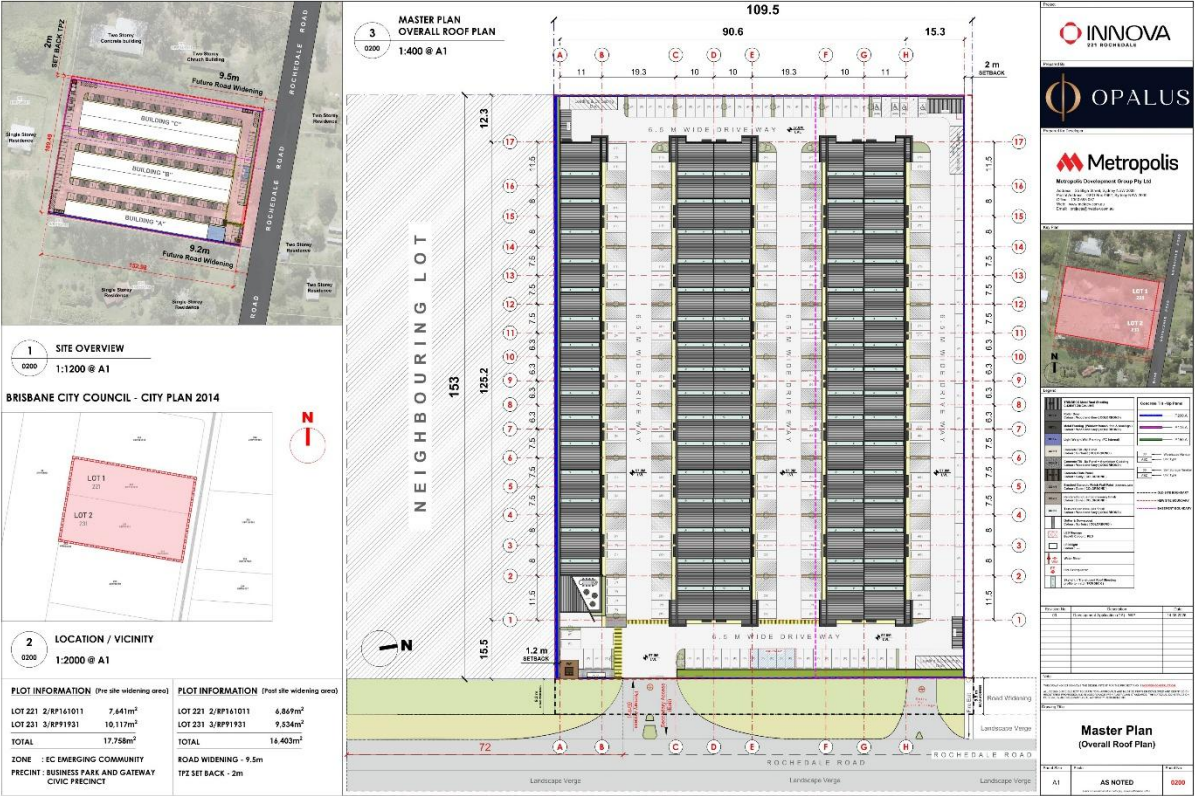
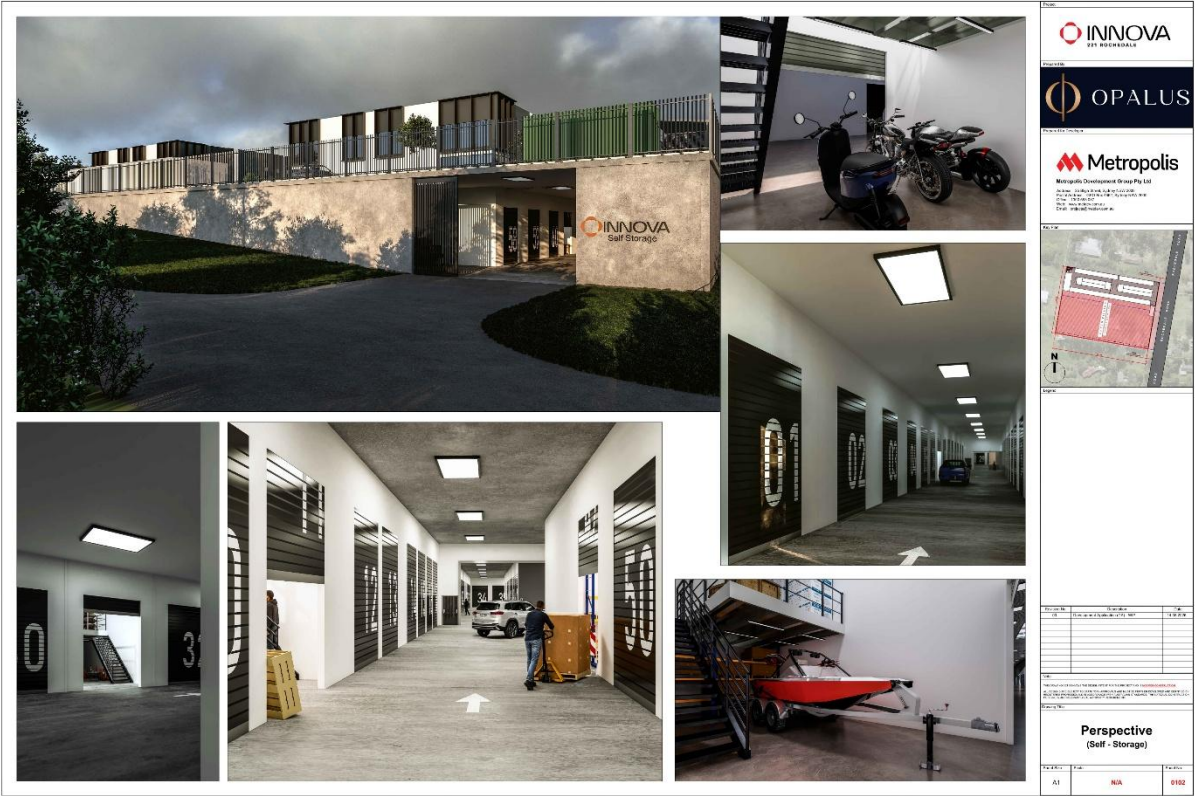
Cover Drawing Register

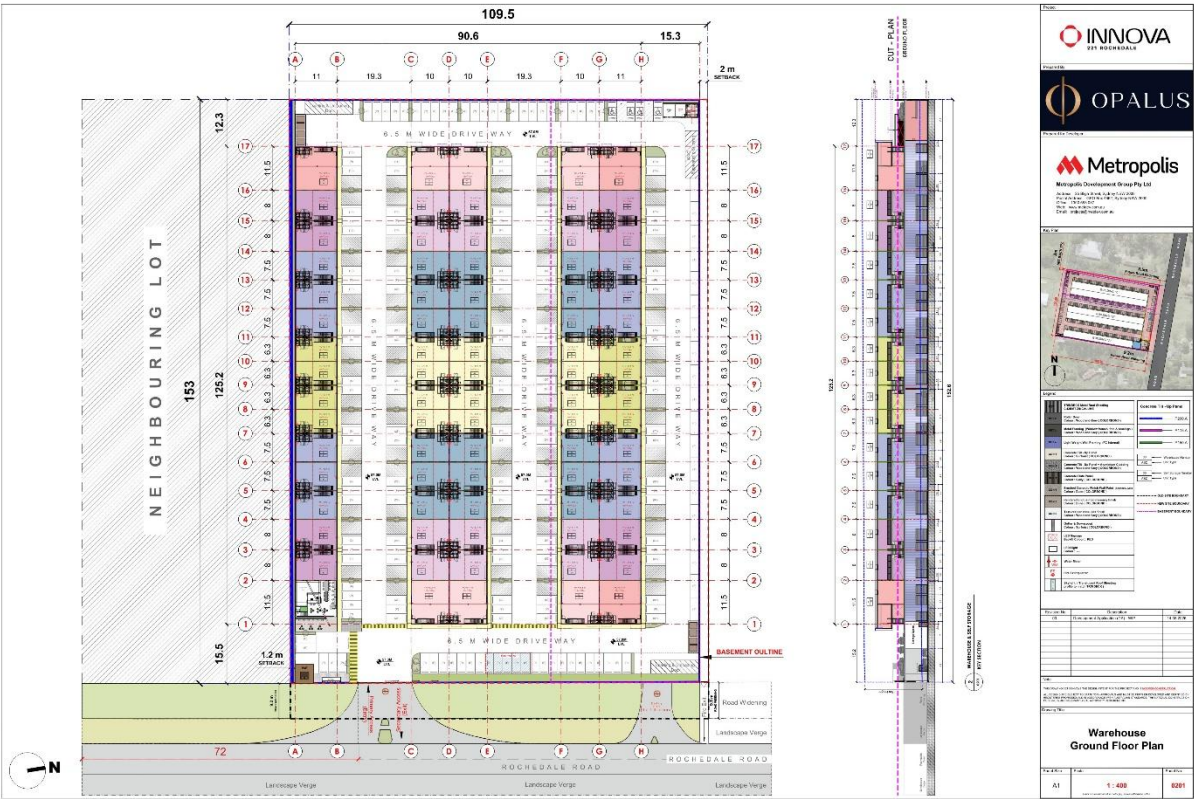
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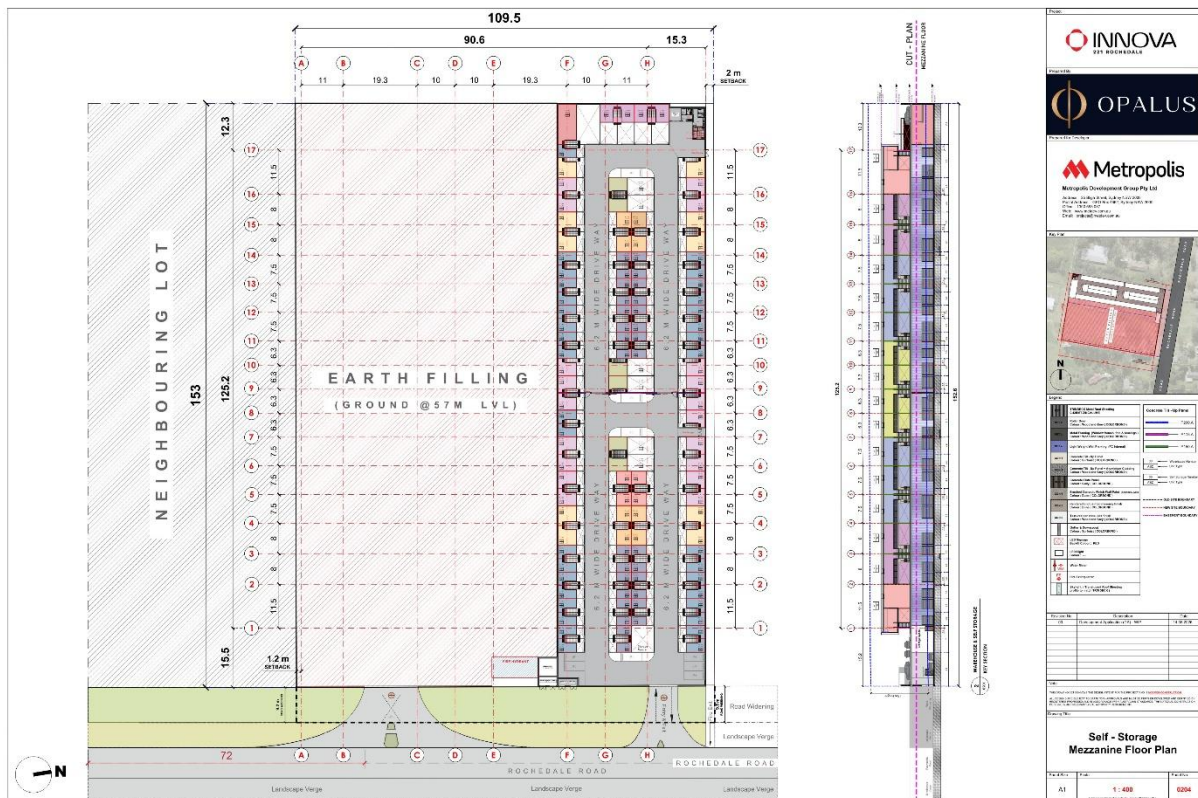
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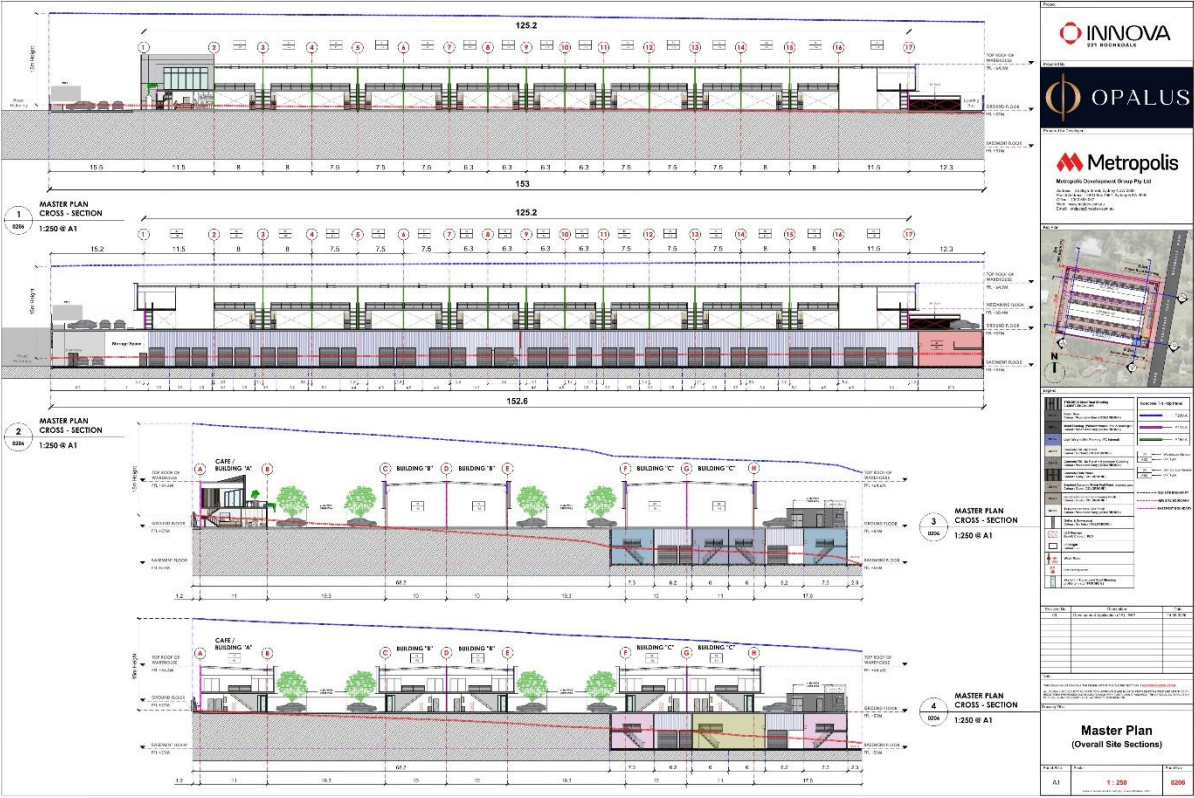
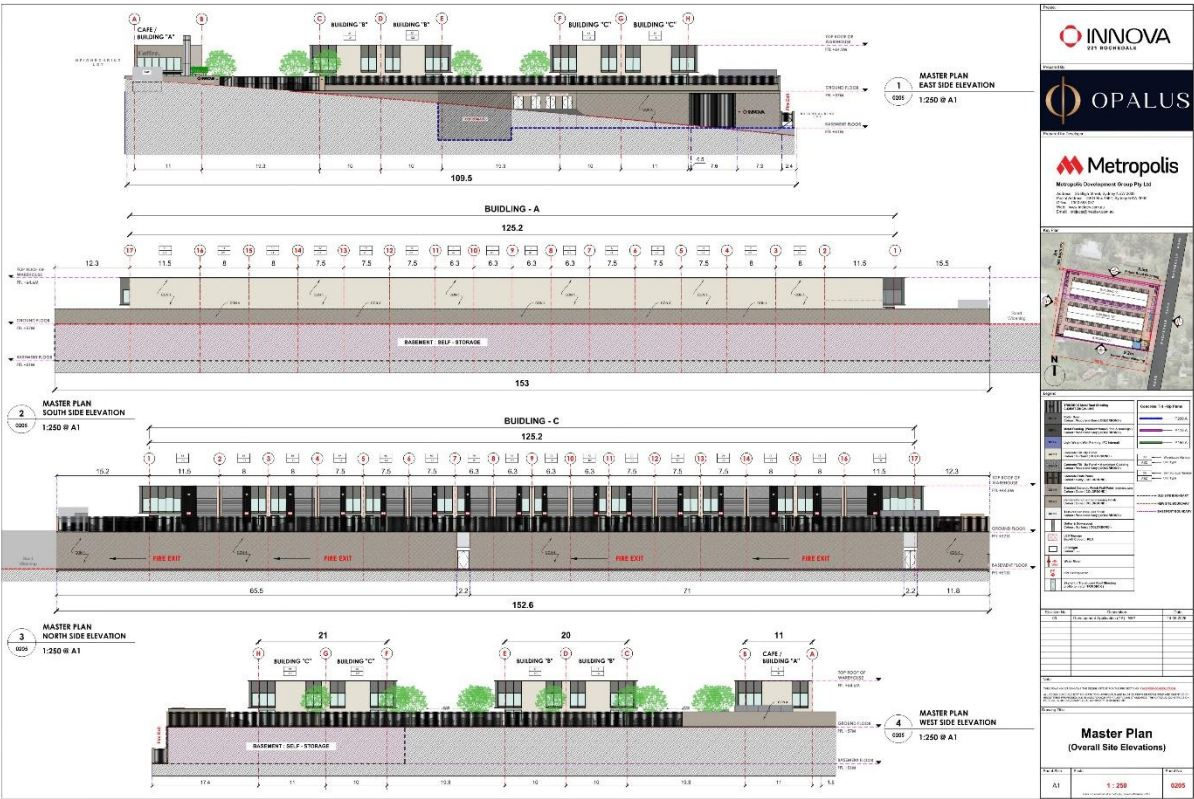
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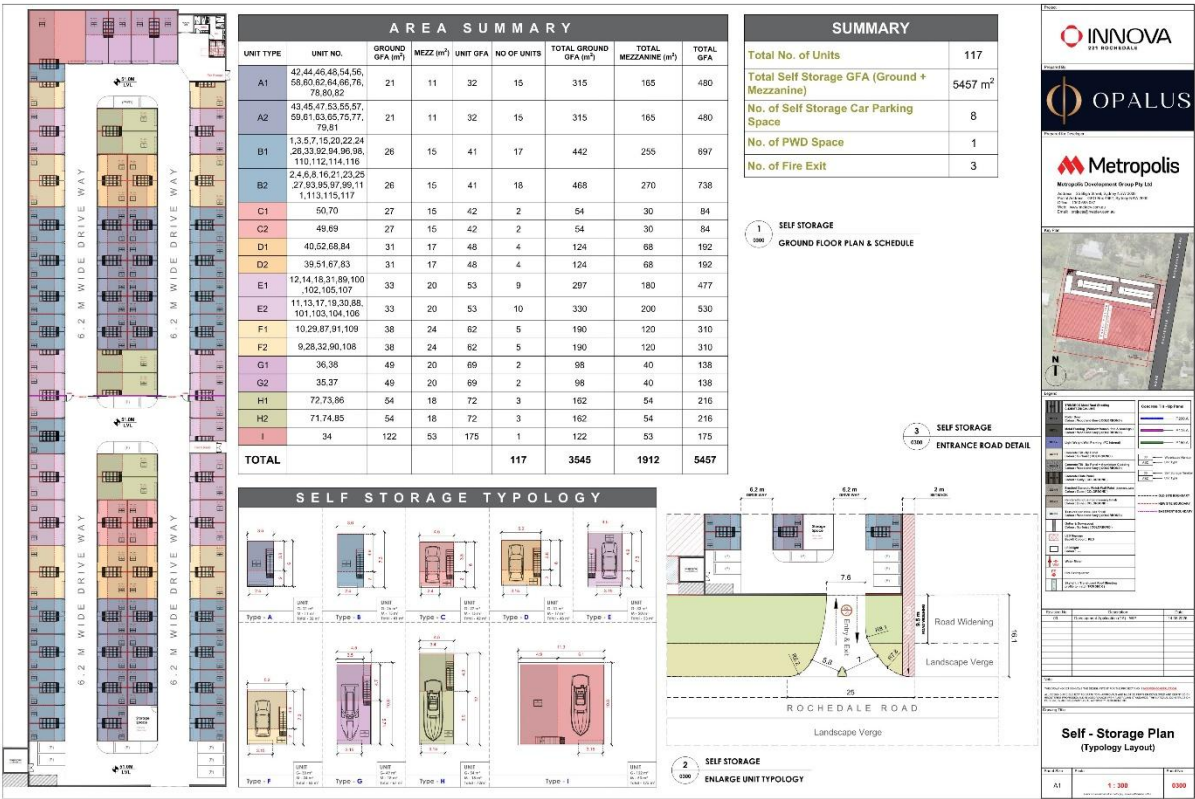


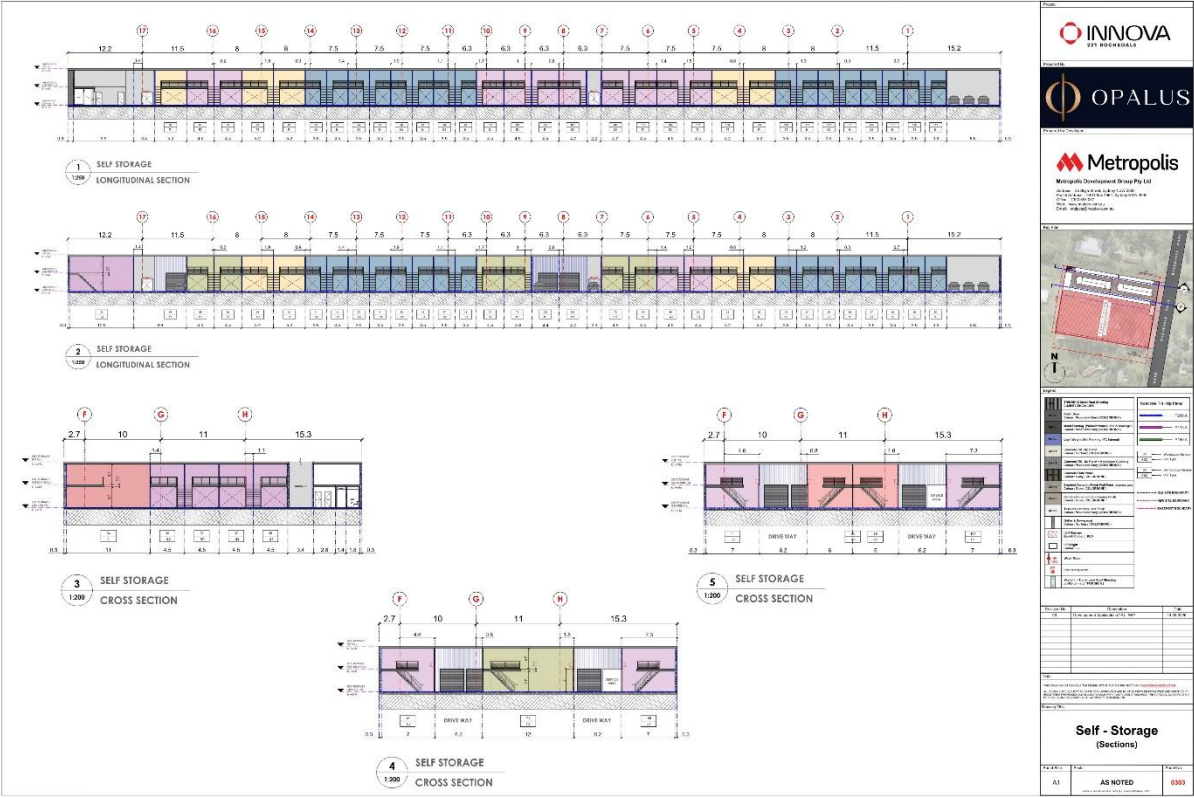
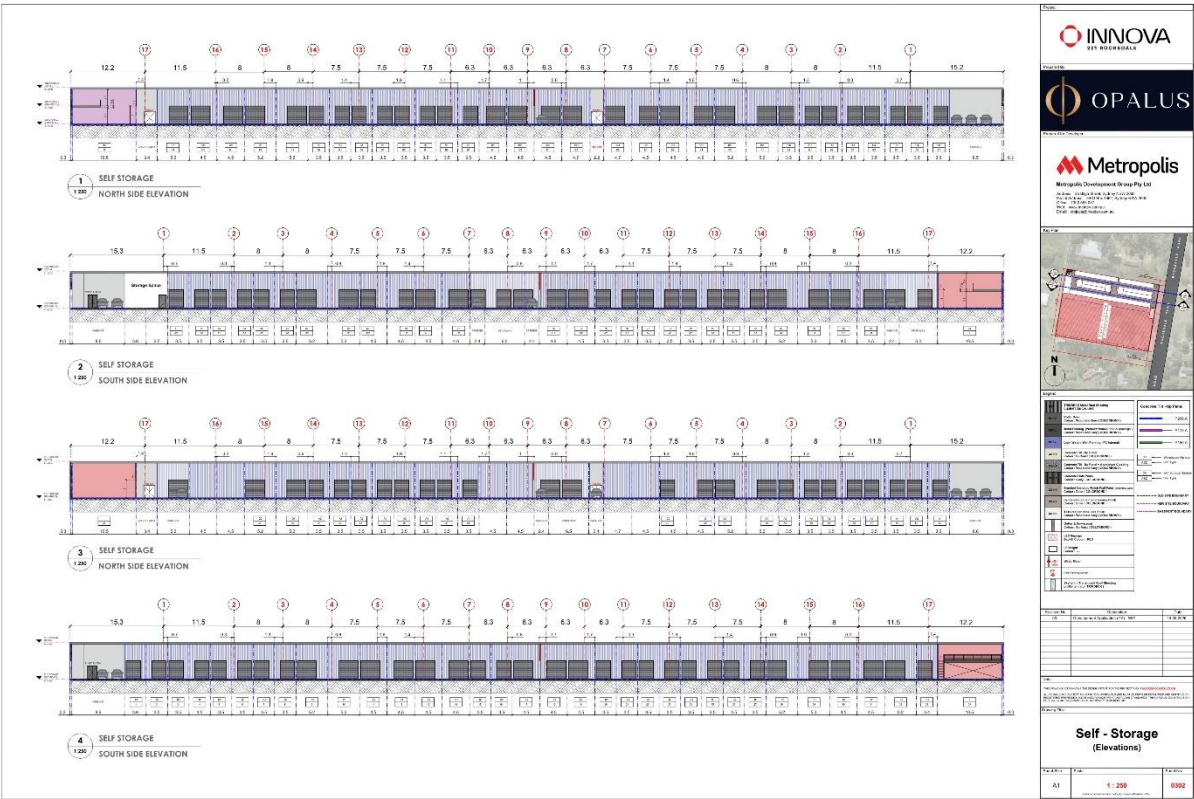


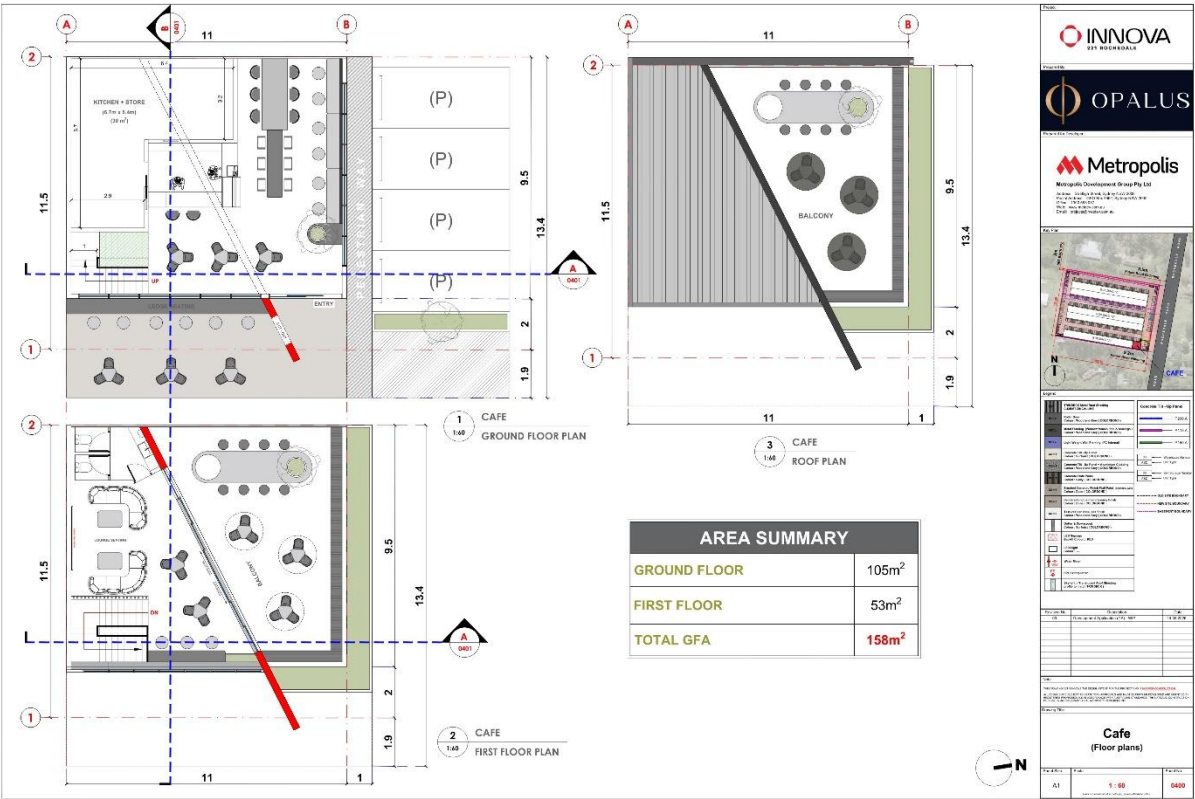


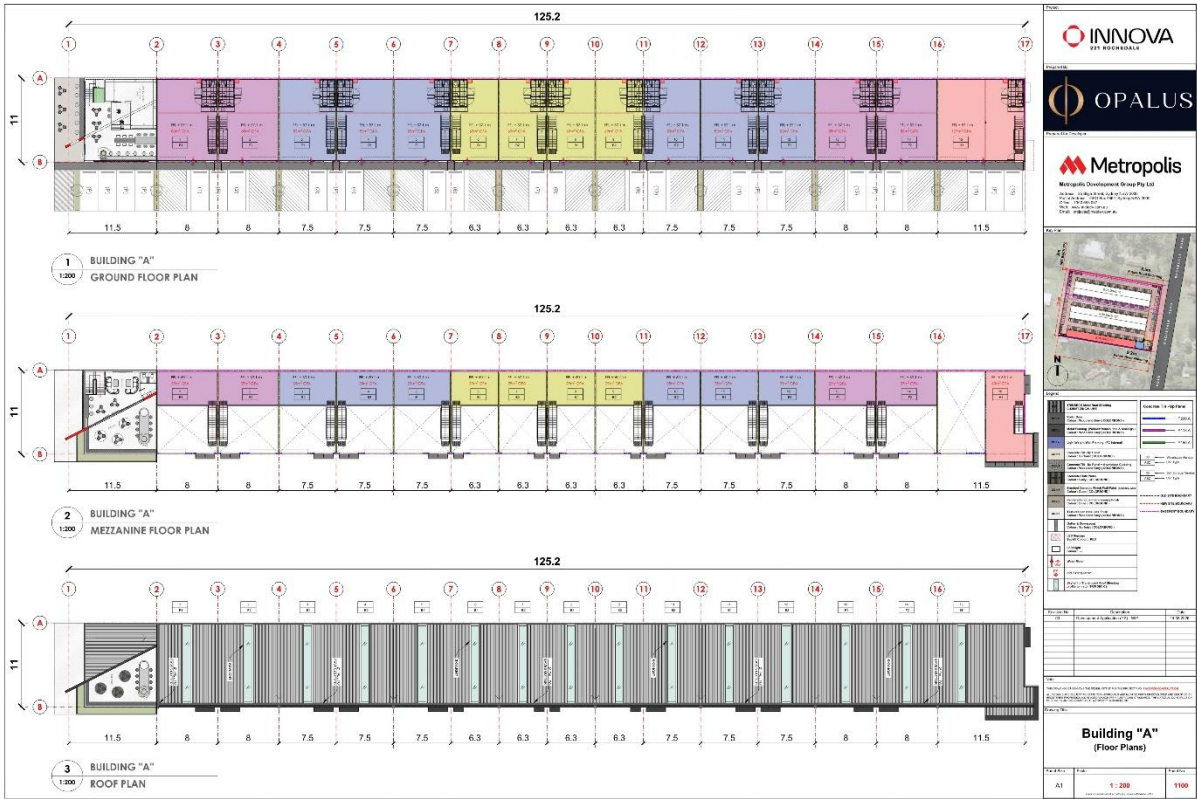
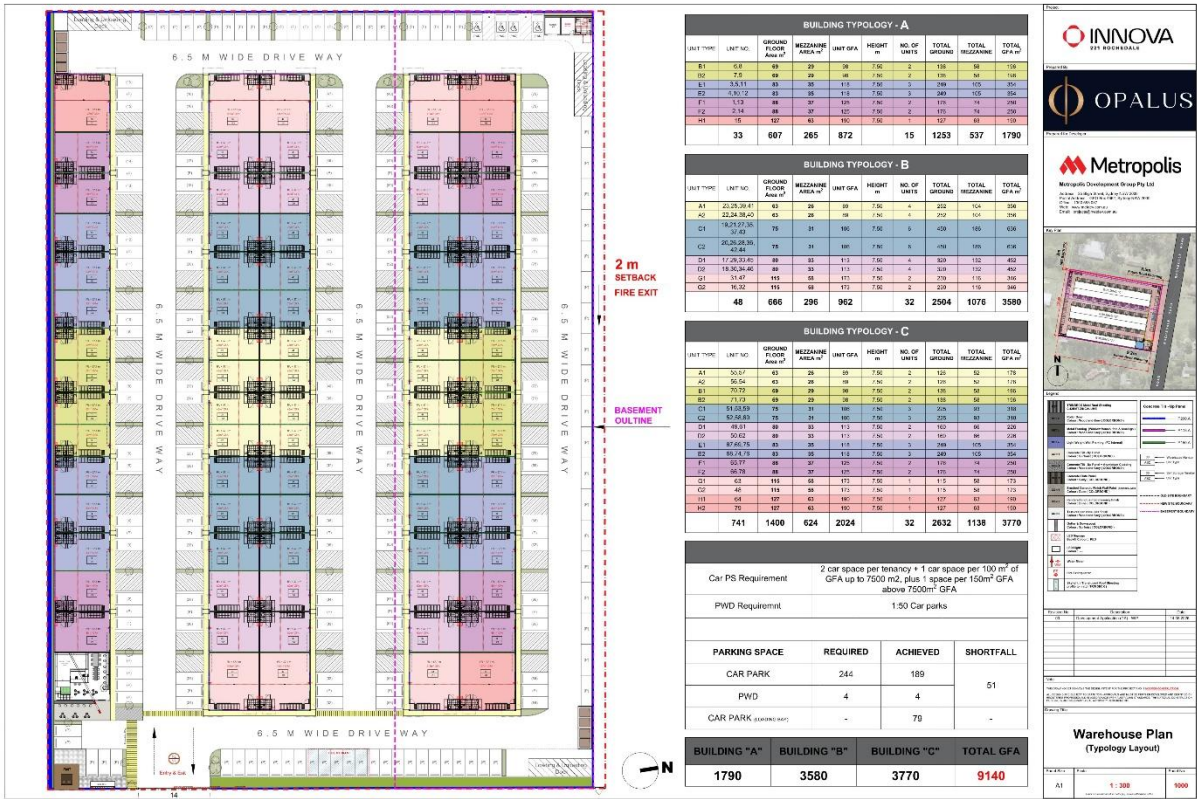


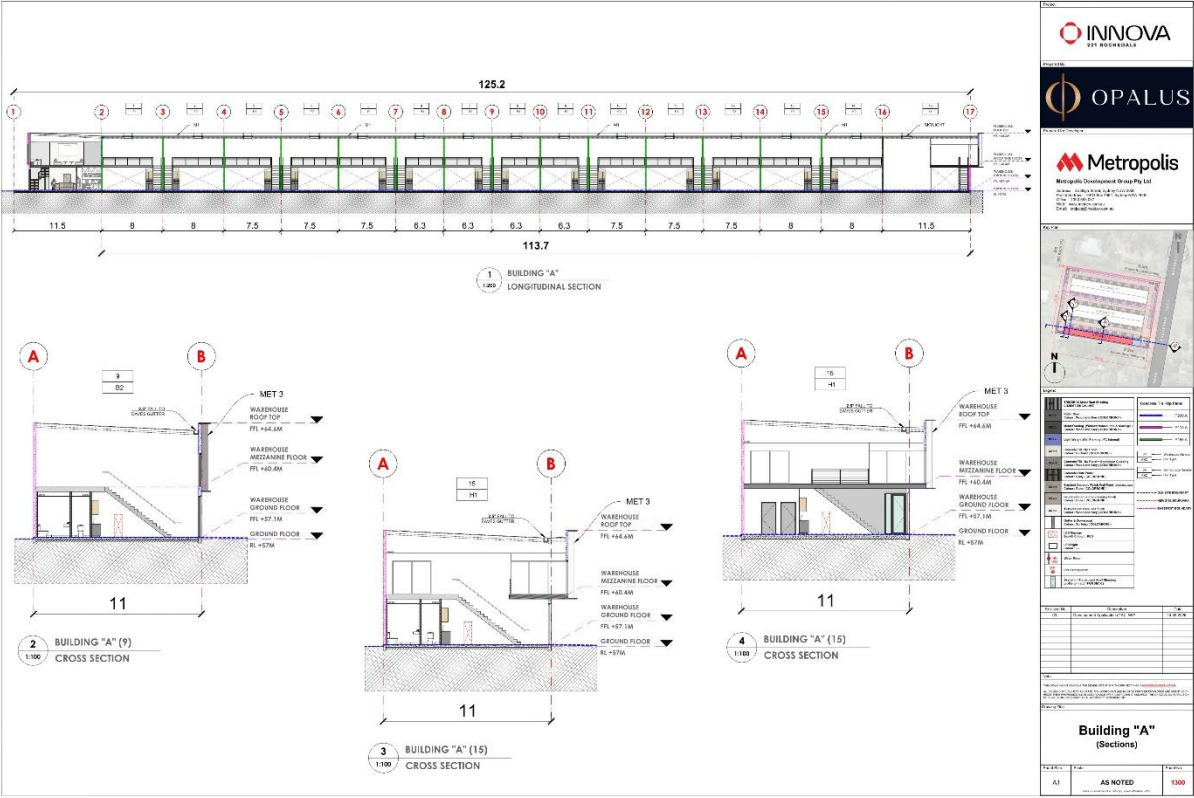




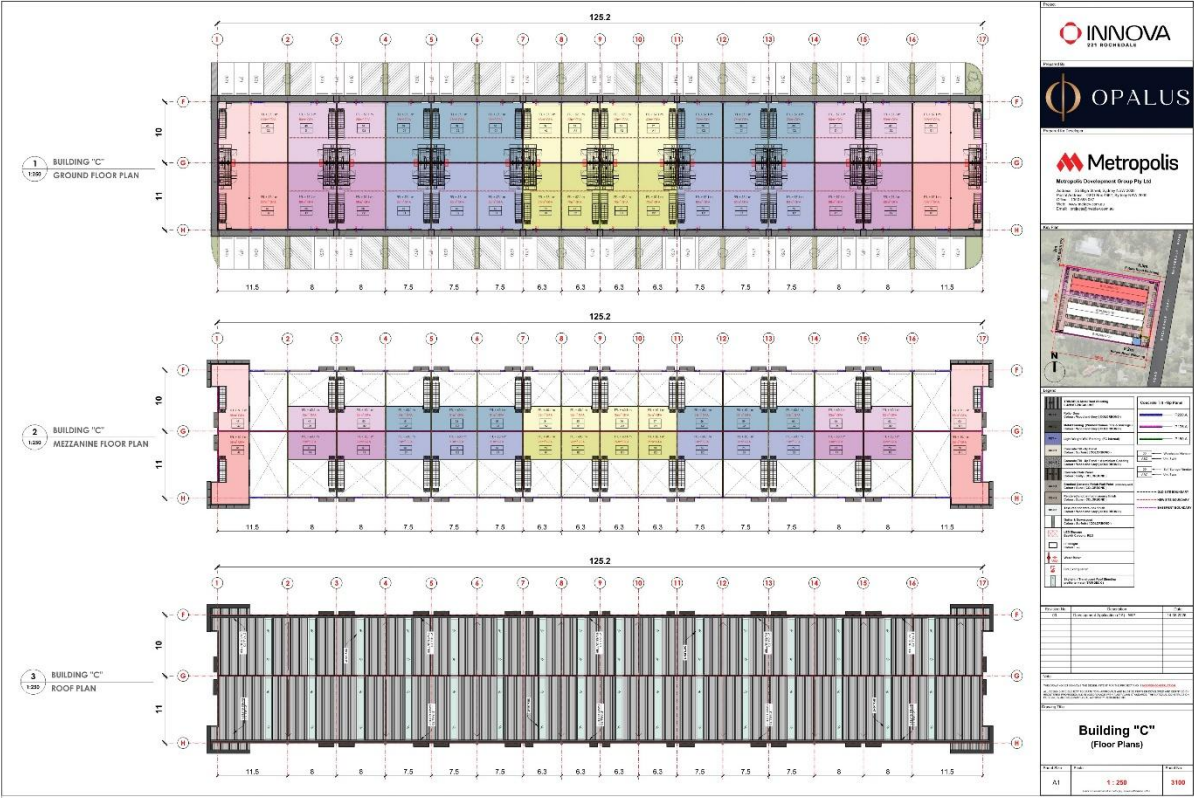
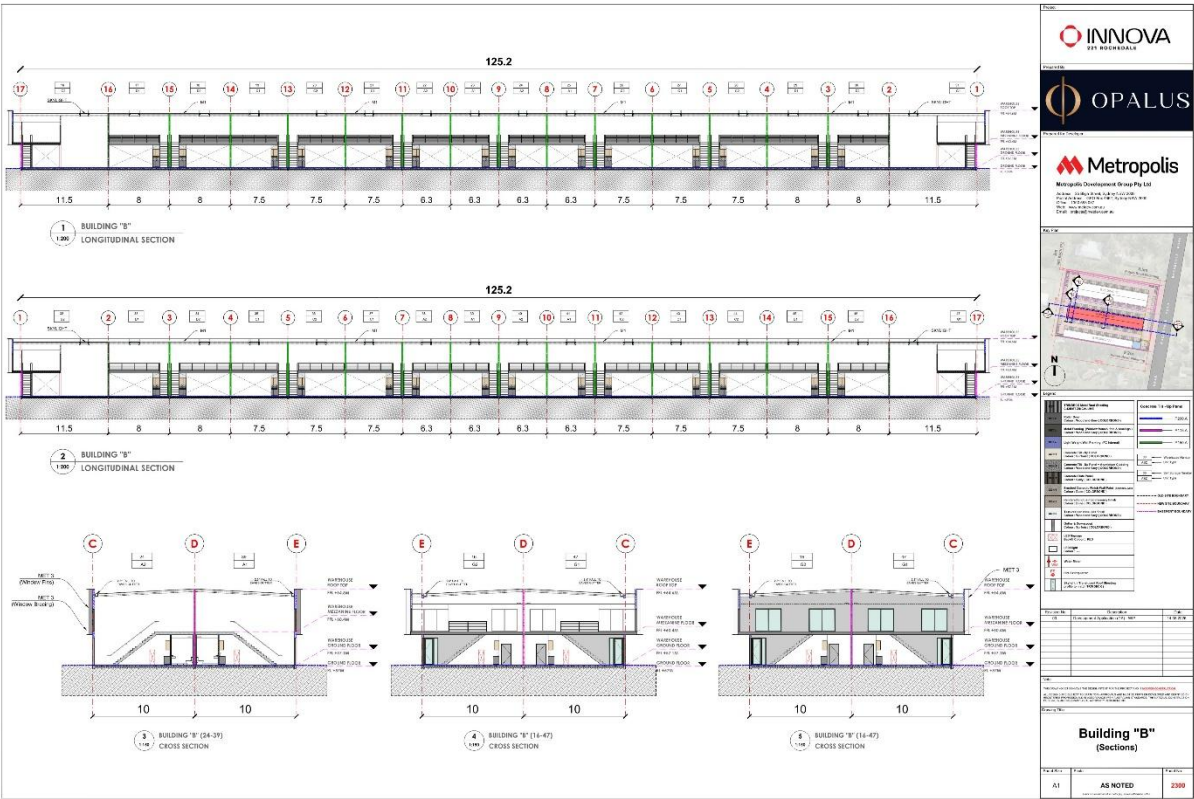


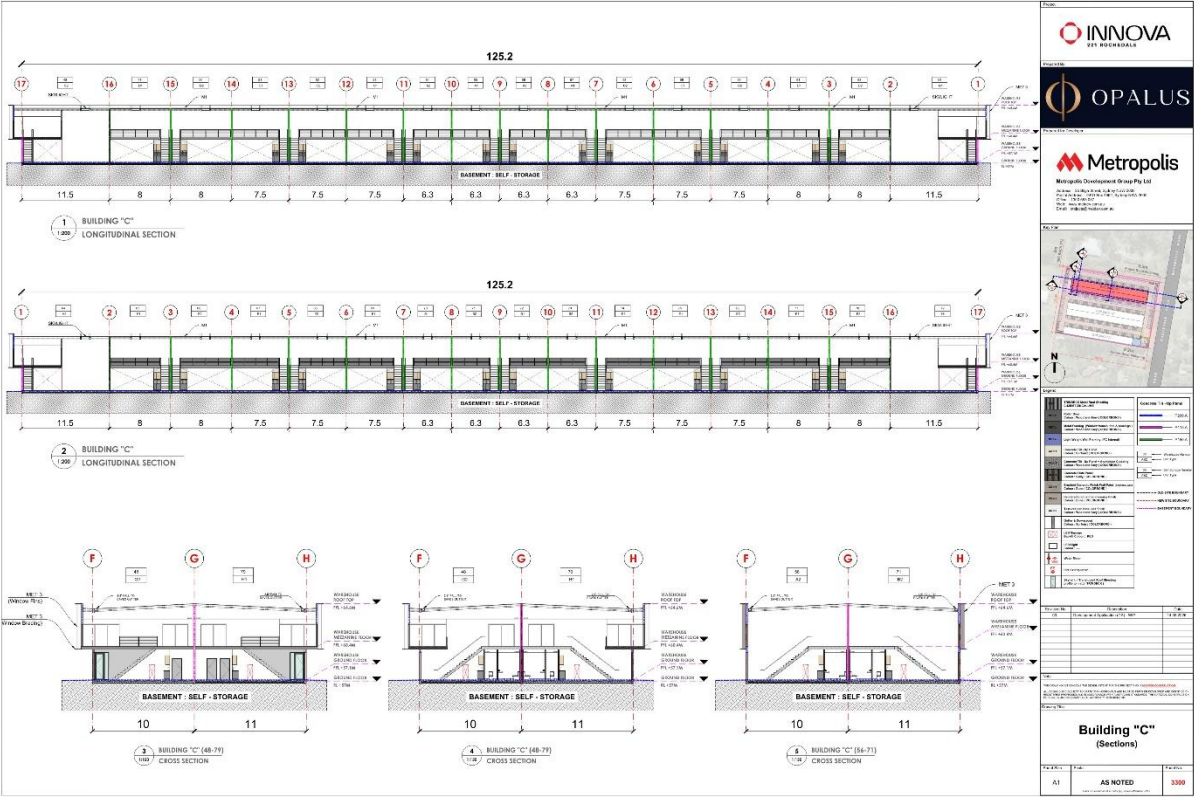


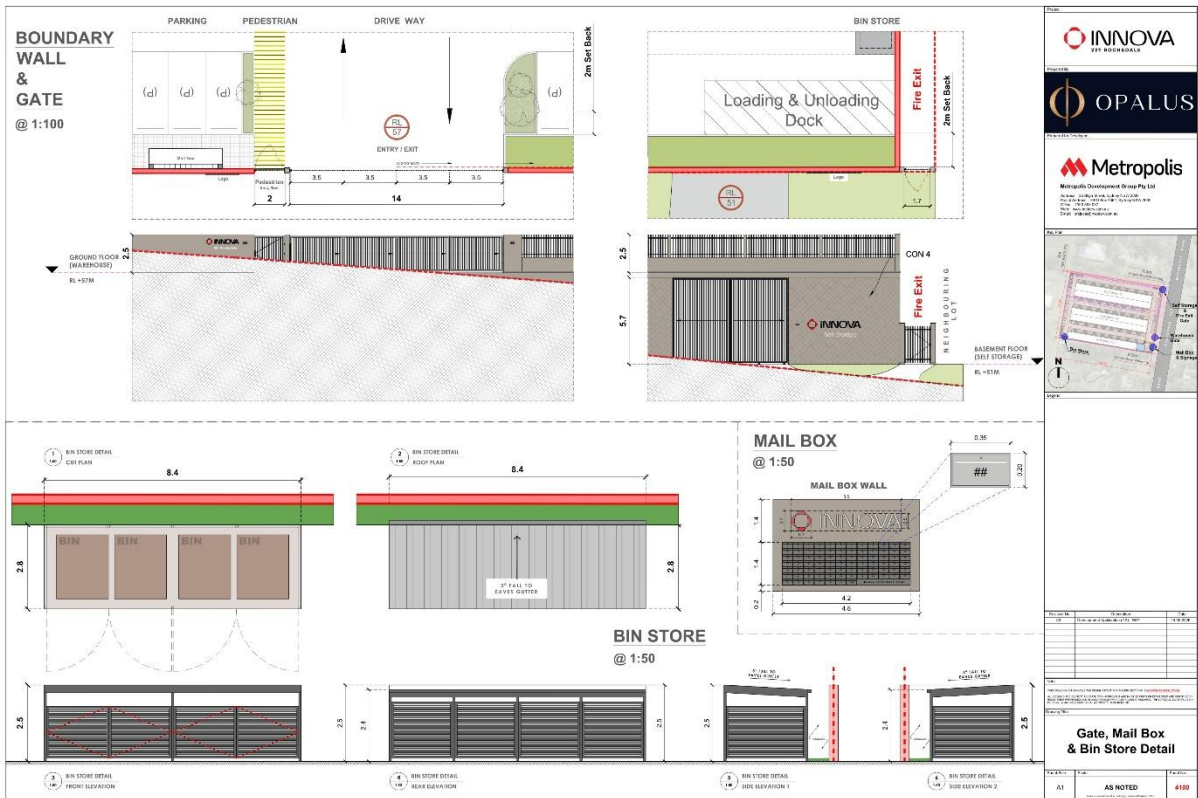




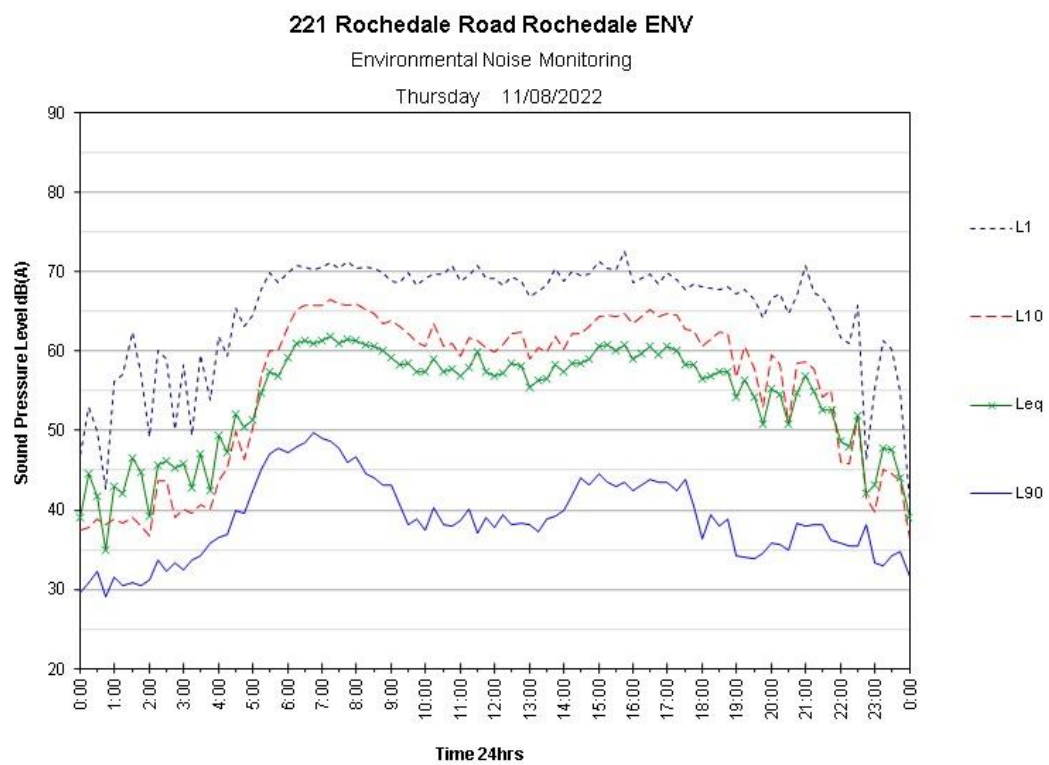
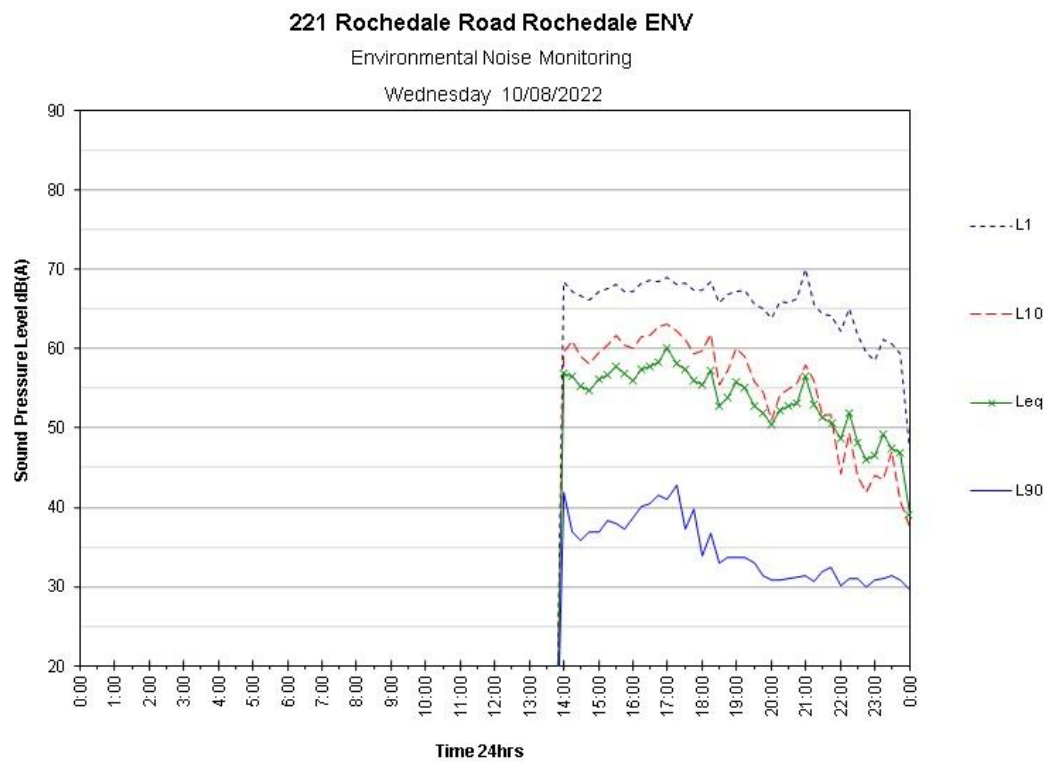








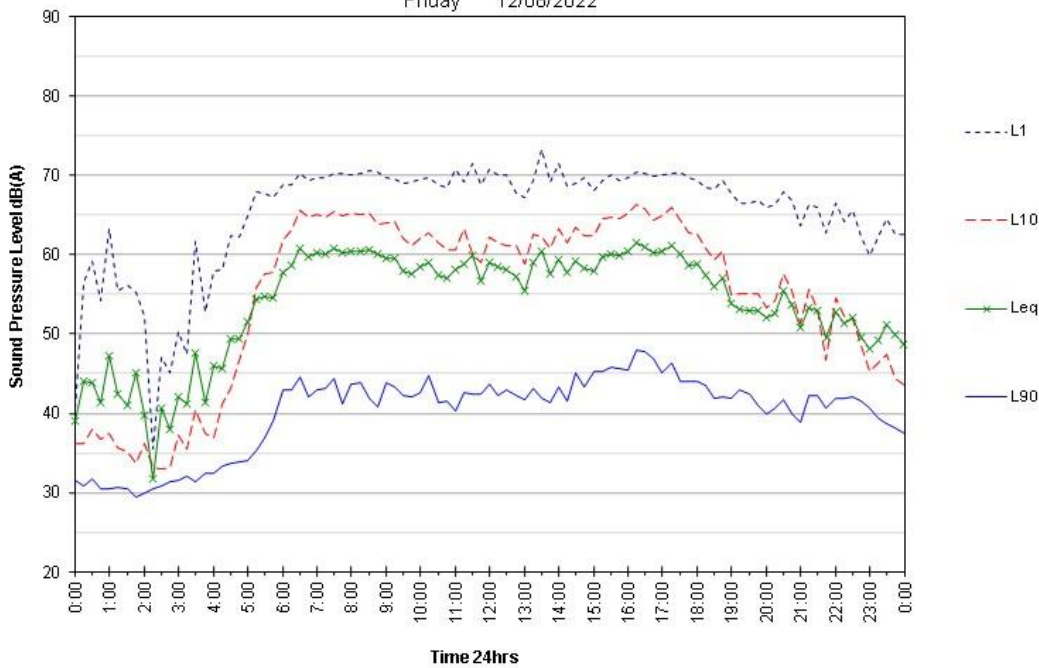
10.3 Noise Monitoring Charts



221 Rochedale Road Rochedale ENV

Environmental Noise Monitoring

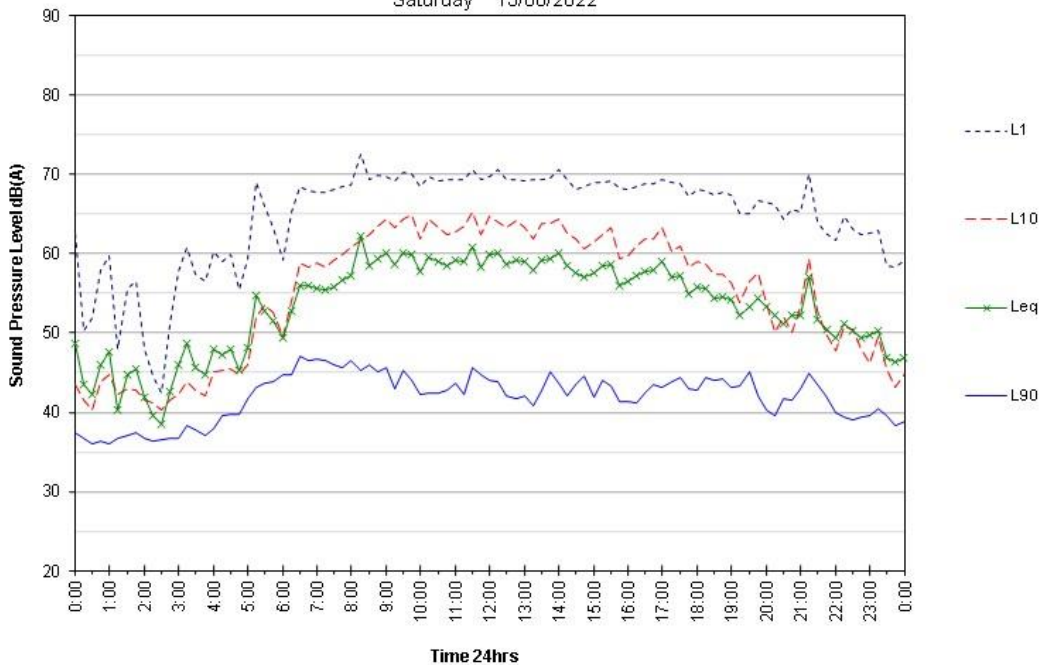
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221 Rochedale Road Rochedale ENV

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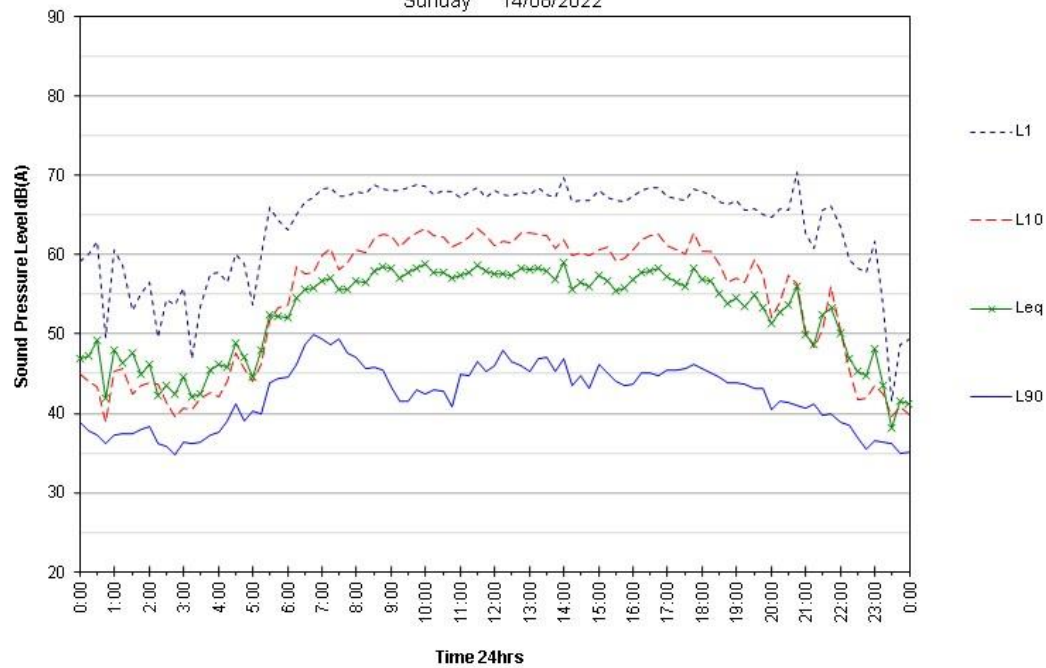
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221 Rochedale Road Rochedale ENV

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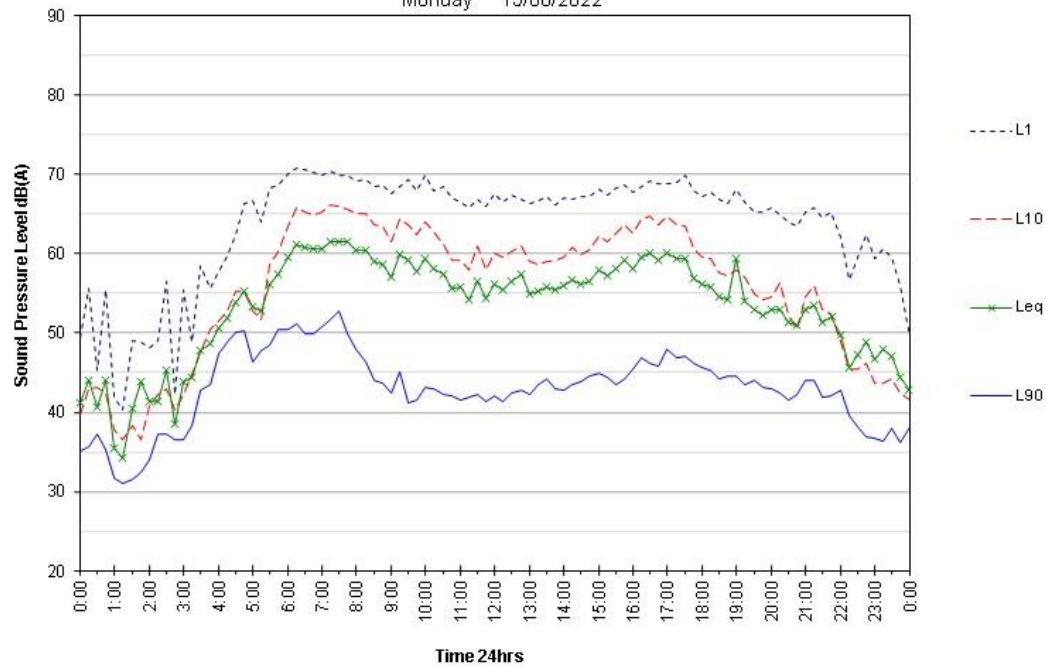
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221 Rochedale Road Rochedale ENV

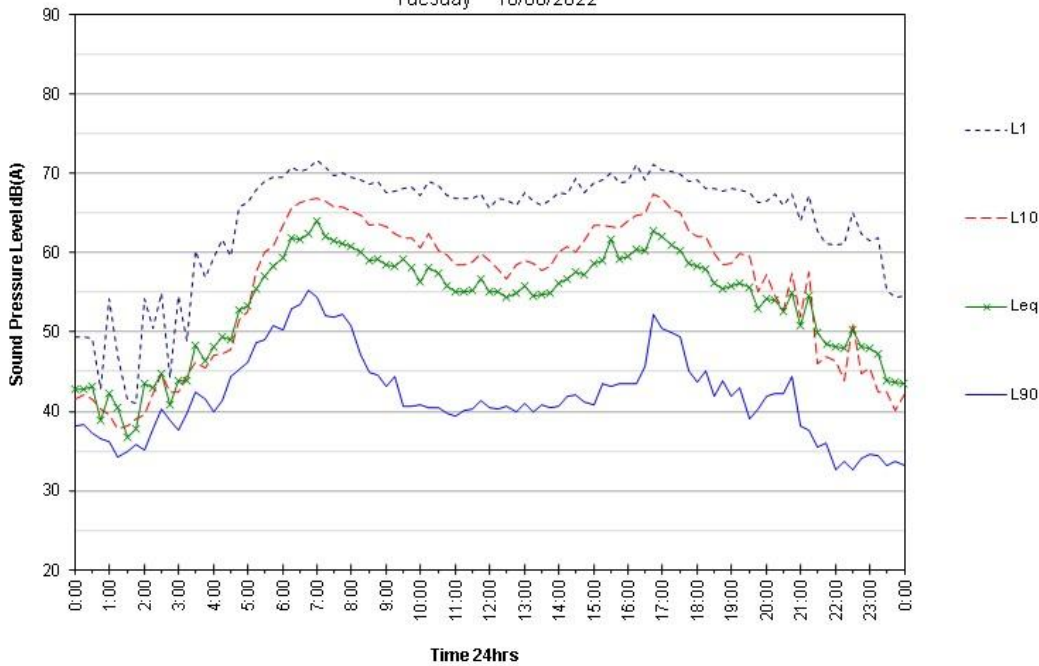
Environmental Noise Monitoring

Monday 15/08/2022



221 Rochedale Road Rochedale ENV
Environmental Noise Monitoring

Tuesday 16/08/2022



221 Rochedale Road Rochedale ENV
Environmental Noise Monitoring

Wednesday 17/08/2022

