





Water Monitoring Data - Monthly Summary									
Month and Year	October 2025	<div><div></div><div>LAING O'ROURKE</div></div> <div><div></div><div>JOHN HOLLAND</div></div>							
Project	Sydney Metro SWM3								
EPL License No.	21147								
EPL Weblink	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&id=21147&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued								
Specific EPL monitoring conditions	M2 - Requirement to monitor concentration of pollutants discharged								
Monitoring Location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter e.g. TSS, pH	Unit eg. mg/L	Minimum value for month	Maximum value for month	Allowable Maximum limit	Allowable Minimum limit	Comment
SWM3 Monitoring Points	0	Y	NA	NA	NA	NA	NA	NA	NA

Noise Monitoring Data - Monthly Summary			
Month and Year	October 2025	 	
Project	Sydney Metro SWM3		
EPL license No.	21147		
EPL Weblink	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&id=21147&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued		
Specific EPL monitoring conditions	M7.1 - Noise monitoring Appendix A- EPL R4.4 Validation Report		

Vibration Monitoring Data - Monthly Summary				
Month and Year	October 2025			
Project	Sydney Metro SWM3			
EPL license No.	21147			
EPL Weblink	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&id=21147&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=issued			
Specific EPL monitoring conditions	M7.2 - Vibration monitoring			

Start Date	Finish Date	Start Time	Finish Time	Type of Monitoring (Complaint/New Activity/Inquiry)	Sensitive Receiver/Address of monitoring location	Distance to activity (m)	Key activity occurring including plant list.	Criteria	Compliance target	Observed Vibration	Notes	Link to Vibration File/File Number
(05) 15/10/25	15/10/2025	9:11	12:32	New Activity	NESS Ave Bridge, country side at Dulwich Hill	6m	Piling for OHCB (Overhead Crash Beam)	PPV	<7.5mm/s	700µm/s	(ABK) Attended monitoring during piling (country side) for Overhead Crash Beam. Monitor at 6m from the auguring. Monitor is placed alongside the brick column of the bridge at the closest place to the piling. Monitoring was for both periods - no work/no auguring and during auguring when flight was at 8.68m below NGL. Drilling was into rock.	Refer to project folder SWM3 /1400 Enviro/1430 Monitoring & Insp Records/Vibration (#5)
(06) 16/10/25	16/10/2025	8:22	8:48	New Activity	Riverdale Ave, Marrickville	2m	Piling alongside residents wall. Monitoring of vibration on wall during auguring.	PPV	<7.5mm/s	165µm/s	(ABK) Attended monitoring during auguring of pile to support a Sewer Vent. Monitor at 2m from the auguring. Monitor is placed alongside the residents brick wall. Monitoring was for both periods - no work/no auguring and during auguring when flight was at 1m into soil. NOTE: Auguring (in sandy/clay) commenced from inside a trench down 1m from NGL. Monitoring during auguring was (between 1m-2m from NGL) only recorded for about 1" as the flight hit an obstruction and work was stopped. Wall is braced.	Refer to project folder SWM3 /1400 Enviro/1430 Monitoring & Insp Records/Vibration (#6)
(07) 22/10/25	22/10/2025	9:13	9:28	New Activity	NESS Ave Bridge, city side at Dulwich Hill	3m	Piling for OHCB (Overhead Crash Beam)	PPV	<7.5mm/s	500µm/s	(ABK) Attended monitoring during piling (city side) for Overhead Crash Beam. Monitor at 3m from the auguring. Monitor is placed on the footpath alongside the concrete abutment wall of the bridge at the closest place to the piling. Monitoring was during auguring when flight was at 4m below GL. Drilling was into rock.	Refer to project folder SWM3 /1400 Enviro/1430 Monitoring & Insp Records/Vibration (#7)

Appendix A- EPL R4.4 Validation Report

EPL 21147

R4.4 Validation Report

SWM3 2025 WE14

R4.4 Local Area and Utility Works (WE14, 03-05 October 2025)

Document and Revision History

Document Details	
Title	R4.4 Validation Report
Client	Sydney Metro City & Southwest
JHLOR JV contract no.	K44

Revisions

Revision	Date	Description	Prepared by	Reviewed by
01	13/10/2025	Prepared for R4.4	Ted Zhang	Lucas Dobrolot

Management reviews

Review date	Details	Reviewed by

Controlled: NO Copy no.: Uncontrolled: YES

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1. Confirmation that the equipment used to undertake the works was as specified in the relevant Construction Noise and Vibration Impact Assessment (CNVIA) for the worksite	3
2. A copy of the community notification required under Condition L5.11	3
3. Noise monitoring as required by L5.7(d).....	3
A. Details of any exceedances of predicted noise levels;	4
B. Details of the noise and vibration mitigation measures that were implemented as specified in the relevant Construction Noise and Vibration Impact Assessment for the worksite.....	4
C. The justification required under L5.6 for the carrying out of works outside of standard construction hours in L5.1	4
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Introduction

This validation report has been prepared in accordance with EPL 21147 Condition R4.4 for out-of-hour works carried out for the following period:

- 3rd of October 1800 to 4th of October 0800
- 5th of October 0800 to 1800

in Weekend 14 (WE14) at Breust Place, Punchbowl, noise activities include:

- Re-asphalting Road Surface;
- FRP for Pedestrian Crossing; and
- Line marking

Works were carried out under Condition L5.6 - Local Area and Utility Works.

Refer to **Attachment 1** for monitoring results.

R4.4(a) For activities permitted under Condition L5.5 & L5.6, a validation report must be submitted to the EPA that includes the following detail:

1. **Confirmation that the equipment used to undertake the works was as specified in the relevant Construction Noise and Vibration Impact Assessment (CNVIA) for the worksite**

The assessment prepared for the works included modelling based on Sound Power Level for the following plant and equipment:

- Re-asphalting Road Surface
 - Powered hand tool
 - Excavator
 - Concrete saw
 - Jackhammer
 - Vibratory Roller
 - Truck and Dog
 - Lighting Tower
- FRP for Pedestrian Crossing
 - Powered hand tool
 - Concrete Truck
- Line marking
 - Powered hand tool
 - Line Marking Machine

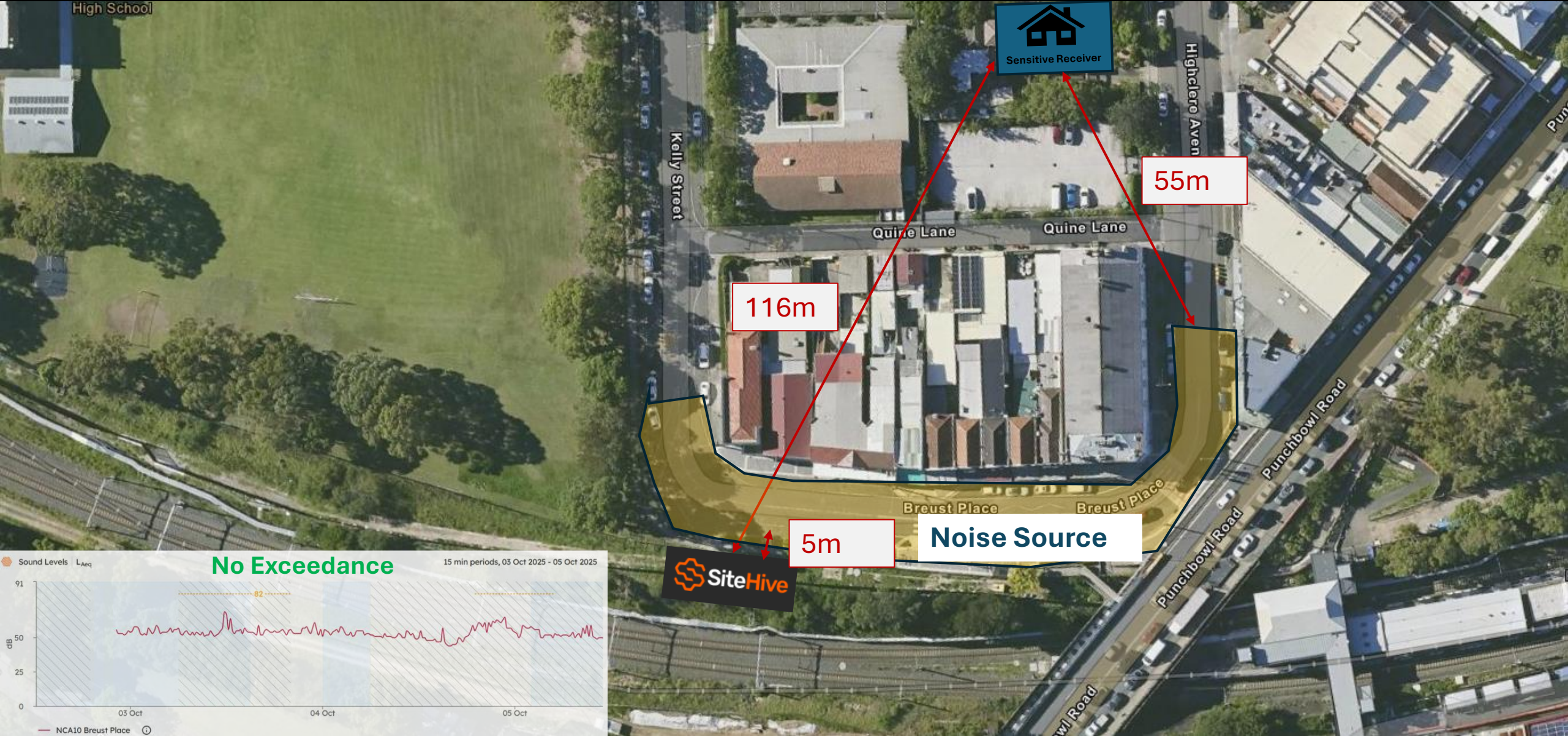
2. **A copy of the community notification required under Condition L5.11**

A copy of the community notification required under Condition L5.11 is appended as **Attachment 2**.

3. **Noise monitoring as required by L5.7(d)**

WE14 works noise monitoring was carried out at Breust Place, Punchbowl.

NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA10	HEX-000760	NCA10 Breust Place	18 Highclere Avenue	116	55	5	61	82	WE13	3/10/2025	P1	Mon-Fri (1800-2200)	47	35	14	LB
NCA10	HEX-000760	NCA10 Breust Place	18 Highclere Avenue	116	55	5	61	82	WE13	3/10/2025	P2	Mon-Fri (2200-0700)	41	41	20	LB, M
NCA10	HEX-000760	NCA10 Breust Place	18 Highclere Avenue	116	55	5	61	82	WE13	5/10/2025	P1	Sun/Pub Ho1 (0800-1800)	47	35	14	LB



A. Details of any exceedances of predicted noise levels;

There were no exceedance due to works occurring.

B. Details of the noise and vibration mitigation measures that were implemented as specified in the relevant Construction Noise and Vibration Impact Assessment for the worksite

The mitigation measures that were implemented included:

- Planning process reduce OOH in more sensitive periods where possible (mostly Day OOH)
- All workers briefed at prestart of OOHW taking place.
- Works occur within the hours agreed in the OOHW only.
- All plant positioned so that the exhaust (or noisiest side of the plant) is pointing away from sensitive receivers, where possible.
- The engine of any plant is to be turned off when not in use
- Workers are not to shout, slam doors, drop objects or make any other unnecessary noise
- Workers are to be mindful of residents when mobilizing and demobilizing

Additional mitigation measures in accordance with the Sydney Metro Construction Noise and Vibration Strategy were implemented which included:

- Letter box drops
- Continuous monitoring
- Respite for receivers with potential noise exceedance of over 20dB and alternative accommodation offered for receivers with potential noise exceedance of over 30dB.

C. The justification required under L5.6 for the carrying out of works outside of standard construction hours in L5.1.

The works carried out on WE14 (3rd of October to 5th of October) were completed under L5.7 (OOHW – Utility & Local Area) as the **City of Canterbury and Bankstown** has advised the licensee in writing that carrying out the works and activities during the hours specified in Condition L5.1 would result in a high risk to road network operational performance.

All feasible and reasonable at-source noise controls were implements in accordance with Condition L4.1, and noise mitigation measures were implemented in accordance with JHLORJV's CNVIS and Interim Construction Noise Guideline (DECC 2009).

R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.5 & L5.6 by no later than 2 business days from the end of each fortnight.

This R4.4 Validation report has been submitted to EPA by no later than two business days after the end of the fortnight.

Attachment 1 – Community Notification

Community Notifications were provided to residents of Sydenham, Marrickville, Dulwich Hill, Hurlstone Park, Canterbury, Campsie, Belmore, Lakemba, Wiley Park, Punchbowl and Bankstown.

Community notifications for works undertaken at the previously stated locations available upon request.

EPL 21147

R4.4 Validation Report

SWM3 2025 WE/WK15

R4.4 Sydney Metro Possession (WE15, 12 October 2025) & Local Area Works (WK15, 13 October 2025)

Document and Revision History

Document Details	
Title	R4.4 Validation Report
Client	Sydney Metro City & Southwest
JHLOR JV contract no.	K44

Revisions

Revision	Date	Description	Prepared by	Reviewed by
01	14/10/2025	Prepared for R4.4	Ted Zhang	Lucas Dobrolot

Management reviews

Review date	Details	Reviewed by

Controlled: NO Copy no.: Uncontrolled: YES

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2. A copy of the community notification required under Condition L5.11	4
3. Noise monitoring as required by L5.7(d).....	4
A. Details of any exceedances of predicted noise levels;	5
B. Details of the noise and vibration mitigation measures that were implemented as specified in the relevant Construction Noise and Vibration Impact Assessment for the worksite.....	5
C. The justification required under L5.5 & L5.6 for the carrying out of works outside of standard construction hours in L5.1	5
R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.5 & L5.6 by no later than 2 business days from the end of each fortnight.	5
Attachment 1 – Community Notification.....	6

Introduction

This validation report has been prepared in accordance with EPL 21147 Condition R4.4 for out-of-hour works carried out on 12th October 0800 to 1800 in Weekend 15 (WE15) across the corridor and stations and 13th October 1800 to 14th October 0700 in Week 15 (WK15) at Ewart Street, noise activities:

Low Impact Works (L5.1)

- Site access 0600 to 0800 Saturday & Sunday (pre-start, vehicle movement, set up, some low impact work)
- Protection Screen Door (PSD) & Mechanical Gap Filler (MGF) Testing Works
- Testing and commissioning equipment

Possession Works (L5.5)

- Platform finishes
- Tiling & Glazing installation

Occurred during possession on Sydney Metro's track (between Sydenham Station to Bankstown Station). Works were carried out under Condition L5.5 - Local Possessions.

Local Area Works (L5.6)

- Over Head Protecting Beam (OHPB) construction
- Piling rig and supporting equipment delivery

Works were carried out under Condition L5.6 - Local Area and Utility Works.

Refer to **Attachment 1** for monitoring results.

R4.4(a) For activities permitted under Condition L5.5 & L5.6, a validation report must be submitted to the EPA that includes the following detail:

1. **Confirmation that the equipment used to undertake the works was as specified in the relevant Construction Noise and Vibration Impact Assessment (CNVIA) for the worksite**

The assessment prepared for the works included modelling based on Sound Power Level for the following plant and equipment:

- Station Works
 - Powered hand tool
 - Generators
- PSD & MGF Testing and commissioning works
 - Hand tool
- Over Head Protecting Beam (OHPB) construction
 - Excavator
 - Hydremas/Mini hydremas
 - Powered hand tool
- Piling rig and supporting equipment delivery
 - Truck

2. A copy of the community notification required under Condition L5.11

A copy of the community notification required under Condition L5.11 is appended as **Attachment 2**.

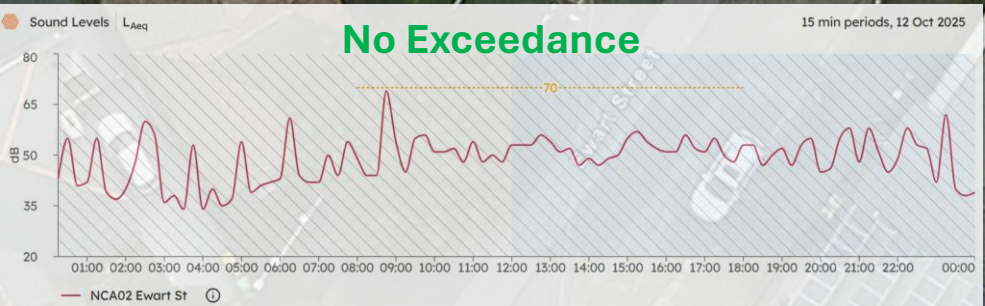
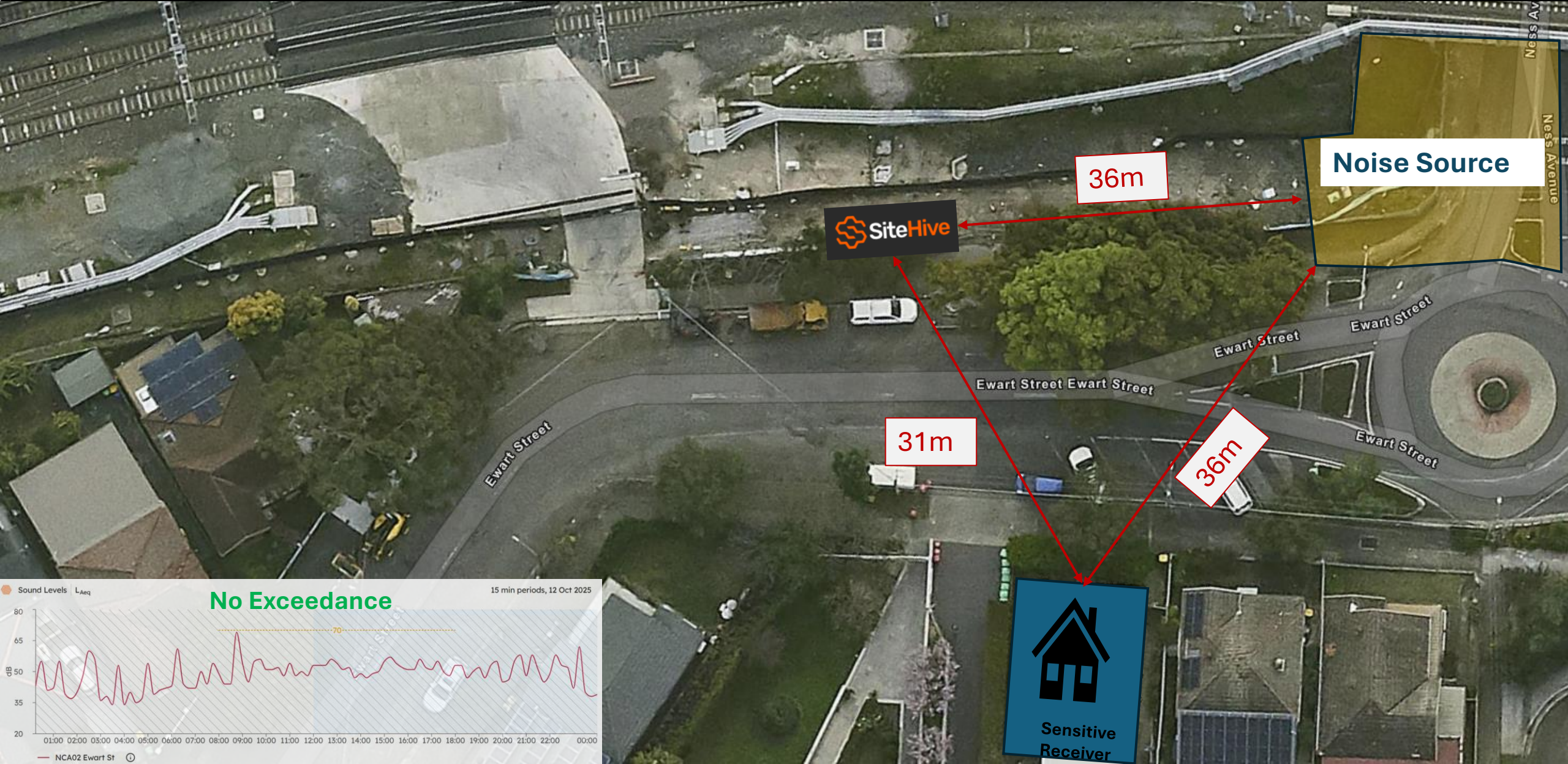
3. Noise monitoring as required by L5.7(d)

WE/WK15 works noise monitoring was carried out at the following locations along the project corridor.

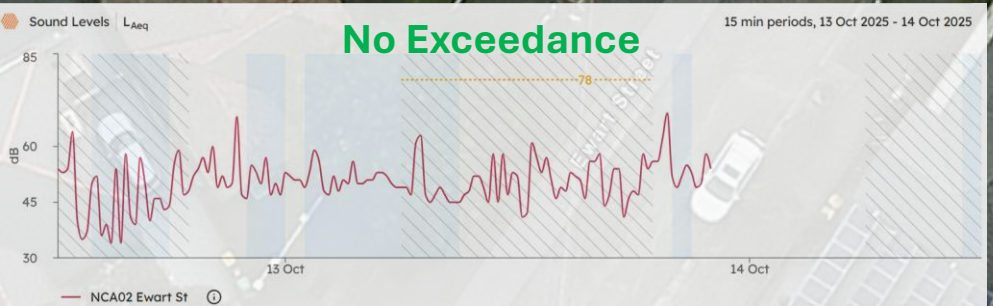
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA01	HEX-000421	NCA01 MA STATION	15 Leofrene Avenue	4	5	1	79	93	WE15	12/10/2025	P1	Sun/Pub Ho1 (0800-1800)	38	55	41	RO

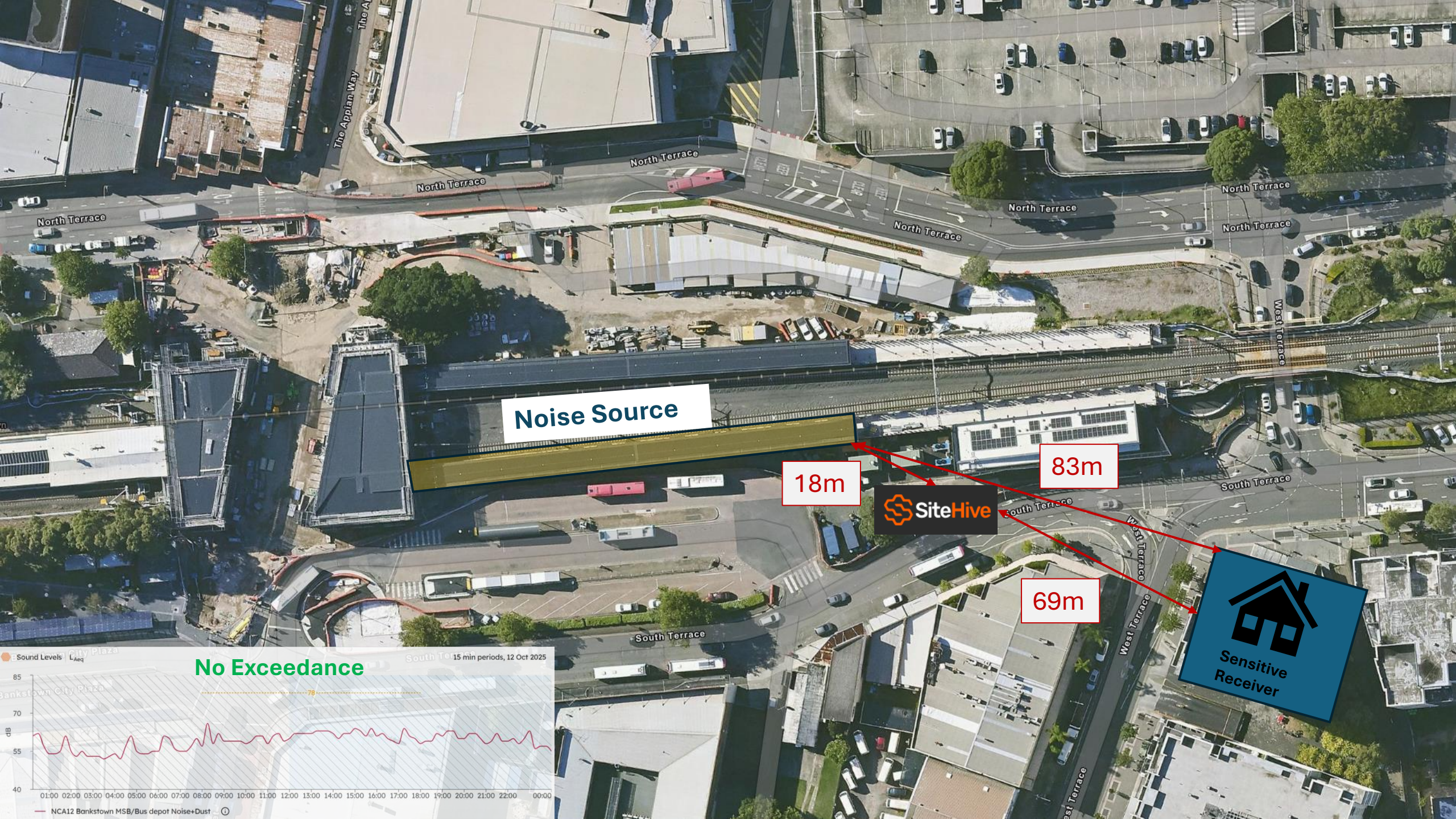


NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA02	HEX-000631	NCA02 EWART	112 Ewart St	31	36	36	70	70	WE15	12/10/2025	P1	Sun/Pub Ho1 (0800-1800)	38	32	32	RO



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA02	HEX-000631	NCA02 EWART	112 Ewart St	31	15	4	67	78	WE15	13-14/09/2025	P1	Mon-Fri (1800-2200)	38	40	29	M & LB
NCA02	HEX-000631	NCA02 EWART	112 Ewart St	31	15	4	67	78	WE15	13-14/09/2025	P2	Mon-Fri (2200-0700)	33	45	34	RO, AA





A. Details of any exceedances of predicted noise levels;

There were no exceedance due to works occurring.

B. Details of the noise and vibration mitigation measures that were implemented as specified in the relevant Construction Noise and Vibration Impact Assessment for the worksite

The mitigation measures that were implemented included:

- Planning process reduce OOH in more sensitive periods where possible (mostly Day OOH)
- All workers briefed at prestart of OOHW taking place.
- Works occur within the hours agreed in the OOHW only.
- All plant positioned so that the exhaust (or noisiest side of the plant) is pointing away from sensitive receivers, where possible.
- The engine of any plant is to be turned off when not in use
- Workers are not to shout, slam doors, drop objects or make any other unnecessary noise
- Workers are to be mindful of residents when mobilizing and demobilizing

Additional mitigation measures in accordance with the Sydney Metro Construction Noise and Vibration Strategy were implemented which included:

- Letter box drops
- Continuous monitoring
- Respite for receivers with potential noise exceedance of over 20dB and alternative accommodation offered for receivers with potential noise exceedance of over 30dB.

C. The justification required under L5.5 & L5.6 for the carrying out of works outside of standard construction hours in L5.1.

The works carried out on WE15 (12th October 0800 to 1800) could only be safely conducted during a rail possession due to works occurring within the rail corridor/danger zone. Works were completed in accordance with EPL Condition L5.5 Local Possession (as dynamic testing is occurring during the week). Carrying out the construction activities during standard construction hours (specified in L5.1) would cause unacceptable risks to construction personnel safety; rail passenger and railways personnel safety and railway network operational reliability.

The works carried out on WK15 (13th October 1800 to 14th October 0700) were completed under L5.7 (OOHW – Utility & Local Area) as the **TfNSW** has advised the licensee in writing that carrying out the works and activities during the hours specified in Condition L5.1 would result in a high risk to road network operational performance.

All feasible and reasonable at-source noise controls were implements in accordance with Condition L4.1, and noise mitigation measures were implemented in accordance with JHLORJV's CNVIS and Interim Construction Noise Guideline (DECC 2009).

R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.5 & L5.6 by no later than 2 business days from the end of each fortnight.

This R4.4 Validation report has been submitted to EPA by no later than two business days after the end of the fortnight.

Attachment 1 – Community Notification

Community Notifications were provided to residents of Sydenham, Marrickville, Dulwich Hill, Hurlstone Park, Canterbury, Campsie, Belmore, Lakemba, Wiley Park, Punchbowl and Bankstown.

Community notifications for works undertaken at the previously stated locations available upon request.

EPL 21147

R4.4 Validation Report

SWM3 2025 WE/WK16

R4.4 Sydney Metro Possession (WE16, 19 October 2025) & Local Area Works (WK16, 17 to 19 October 2025)

Document and Revision History

Document Details	
Title	R4.4 Validation Report
Client	Sydney Metro City & Southwest
JHLOR JV contract no.	K44

Revisions

Revision	Date	Description	Prepared by	Reviewed by
01	22/10/2025	Prepared for R4.4	Ted Zhang	Lucas Dobrolot

Management reviews

Review date	Details	Reviewed by

Controlled: NO Copy no.: Uncontrolled: YES

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Attachment 1 – Community Notification.....	7

Introduction

This validation report has been prepared in accordance with EPL 21147 Condition R4.4 for out-of-hour works carried out between 17th to 19th October, detailed noise activities are below:

Low Impact Works (L5.1) - 19th October 0800 to 1800 in Weekend 16 (WE16)

- Site access 0600 to 0800 Saturday & Sunday (pre-start, vehicle movement, set up, some low impact work)
- Protection Screen Door (PSD) & Mechanical Gap Filler (MGF) Testing Works
- Testing and commissioning equipment
- Track inspection

Possession Works (L5.5) - 19th October 0800 to 1800 in WE16

- Platform finishes
- Tiling & Glazing installation
- Bird proofing

Occurred during possession on Sydney Metro's track (between Sydenham Station to Bankstown Station). Works were carried out under Condition L5.5 - Local Possessions.

Local Area Works (L5.6)

- Ness Avenue, Dulwich Hill - 19th October 0800 to 1800 in WE16
 - Over Head Protecting Beam (OHPB) construction
- Breust Place, Punchbowl – 17th October 1800 to 19th October 2200 in WE/WK16
 - Road Re-Surfacing

Works were carried out under Condition L5.6 - Local Area and Utility Works.

Refer to **Attachment 1** for monitoring results.

R4.4(a) For activities permitted under Condition L5.5 & L5.6, a validation report must be submitted to the EPA that includes the following detail:

1. **Confirmation that the equipment used to undertake the works was as specified in the relevant Construction Noise and Vibration Impact Assessment (CNVIA) for the worksite**

The assessment prepared for the works included modelling based on Sound Power Level for the following plant and equipment:

- Station Works
 - Powered hand tool
 - Generators
- PSD & MGF Testing and commissioning works
 - Hand tool
- Over Head Protecting Beam (OHPB) construction
 - Excavator
 - Hydremas/Mini hydremas
 - Powered hand tool
- Bird Proofing
 - EWP
 - Hand tool
- Road Re-Surfacing

-
- Powered hand tool
 - Excavator
 - Concrete saw
 - Jackhammer
 - Vibratory Roller
 - Truck and Dog
 - Lighting Tower

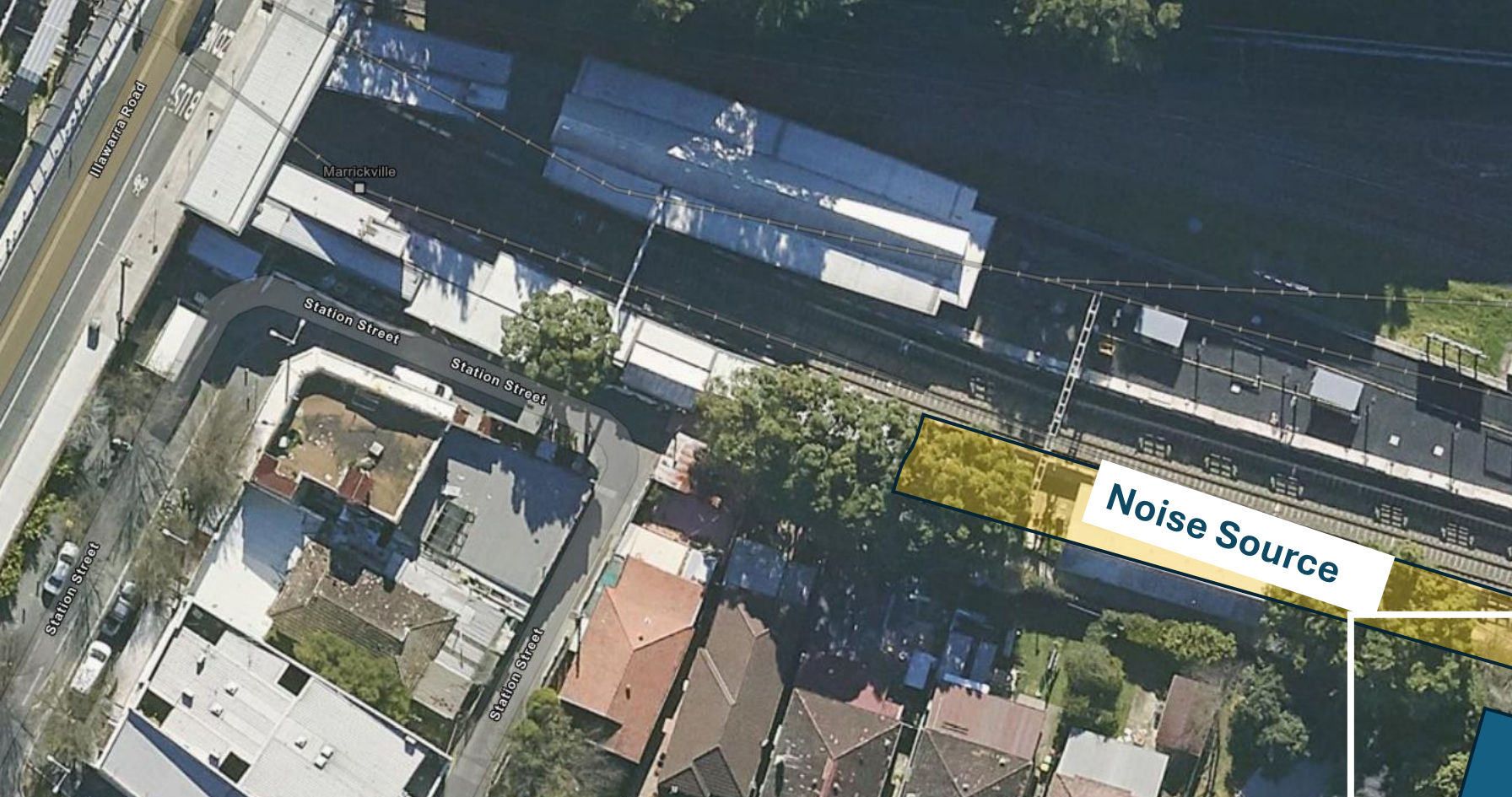
2. A copy of the community notification required under Condition L5.11

A copy of the community notification required under Condition L5.11 is appended as **Attachment 2**.

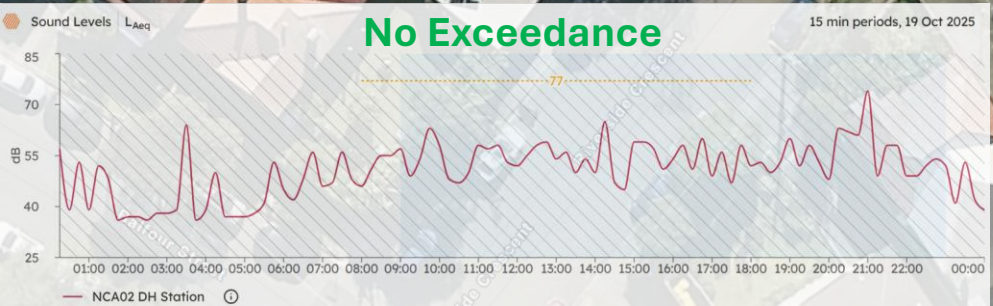
3. Noise monitoring as required by L5.7(d)

WE/WK16 works noise monitoring was carried out at the following locations along the project corridor.

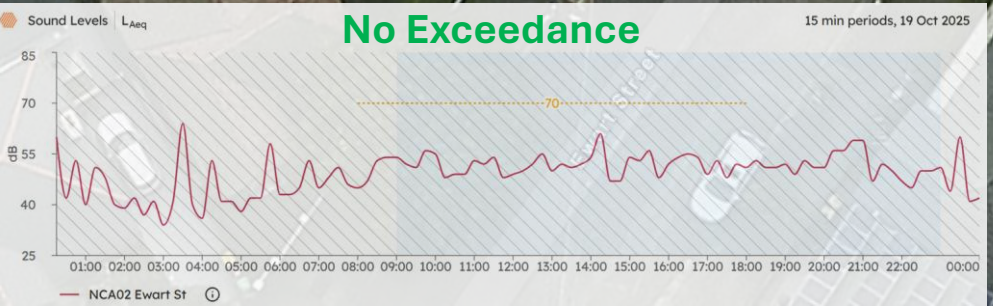
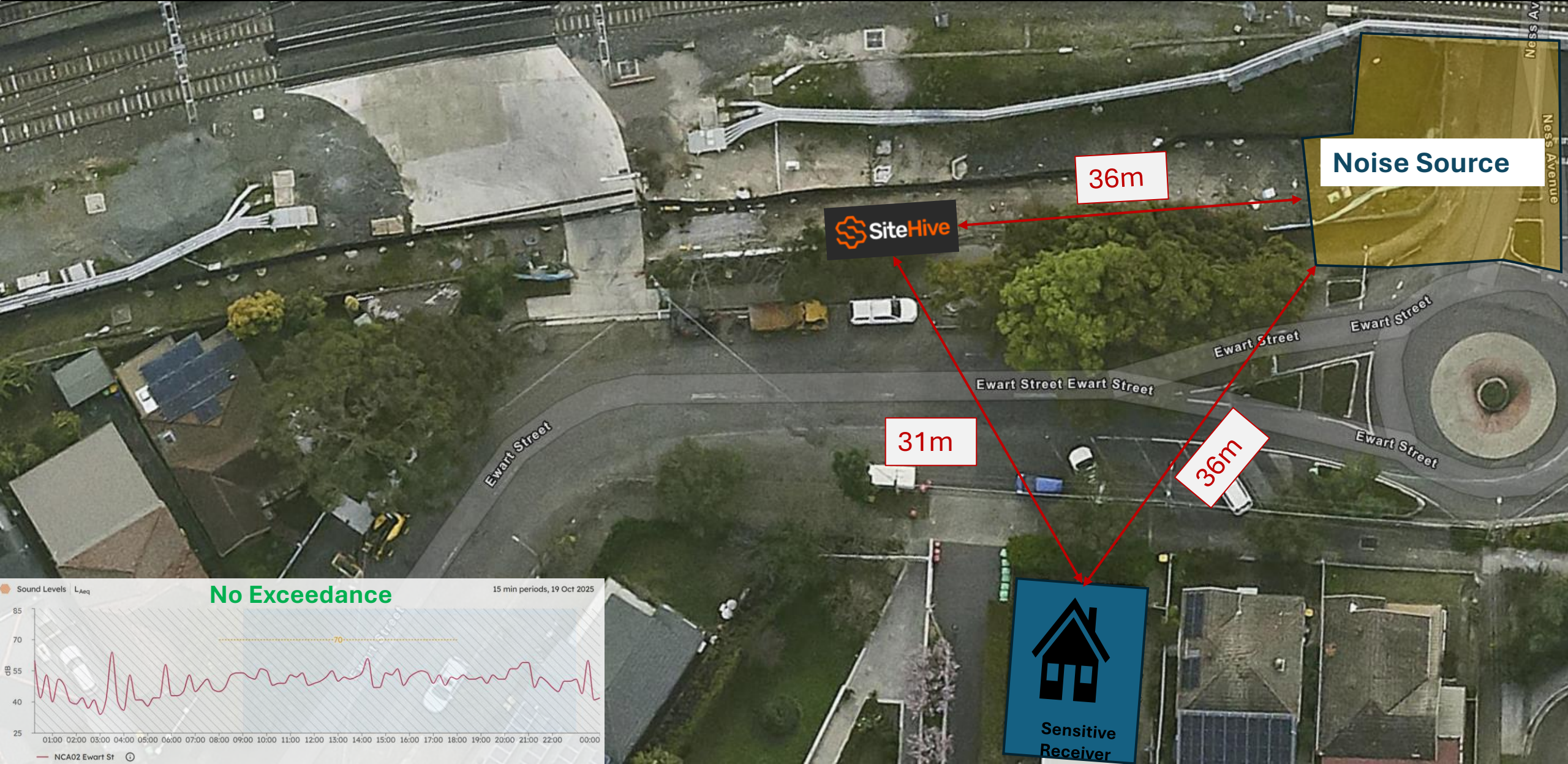
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA01	HEX-000421	NCA01 MA STATION	15 Leofrene Avenue	4	5	1	79	93	WE16	19/10/2025	P1	Sun/Pub Ho1 (0800-1800)	38	55	41	RO



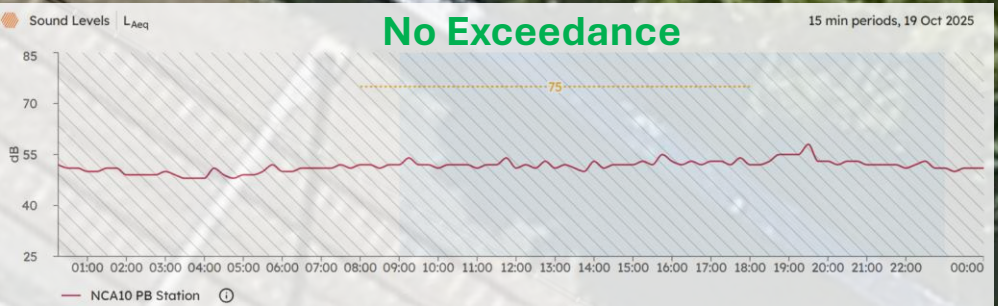
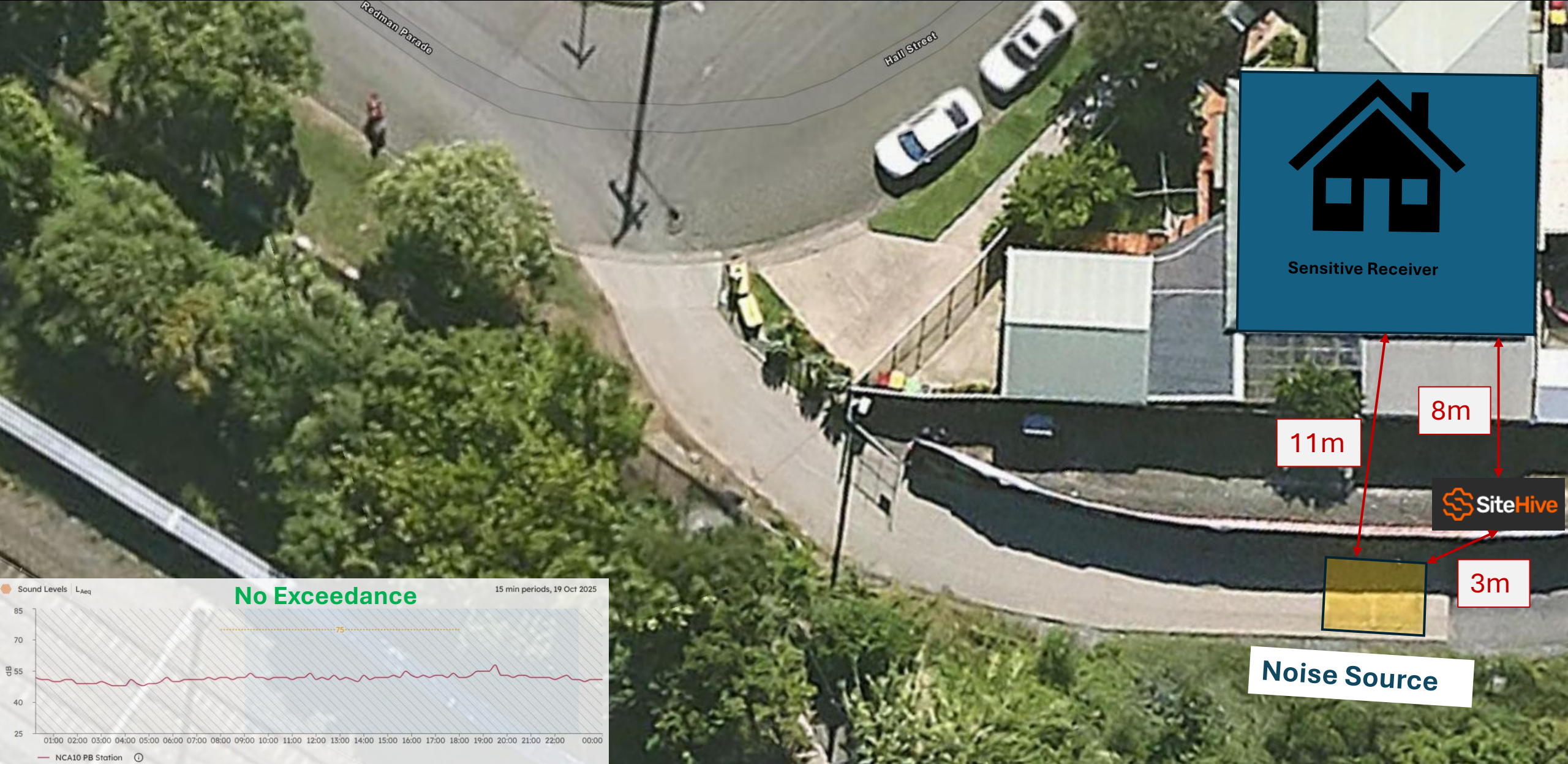
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA02	HEX-000465	NCA02 DH STATION	51A Ewart Lane	20	32	12	68	77	WE16	19/10/2025	P1	Sun/Pub Ho1 (0800-1800)	38	39	30	M & LB



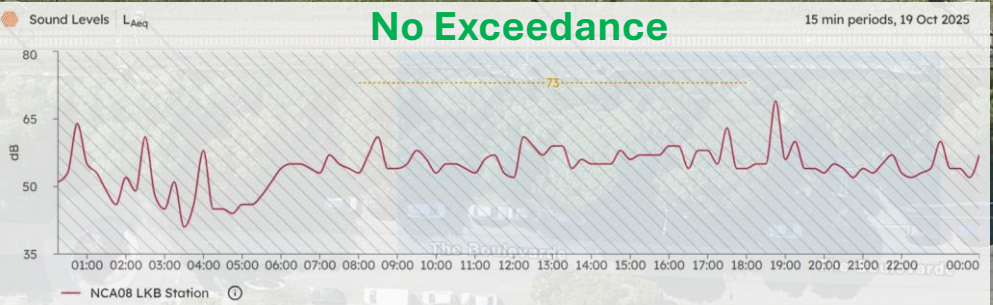
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA02	HEX-000631	NCA02 EWART St	112 Ewart St	31	36	36	70	70	WE16	19/10/2025	P1	Sun/Pub Ho1 (0800-1800)	38	32	32	RO



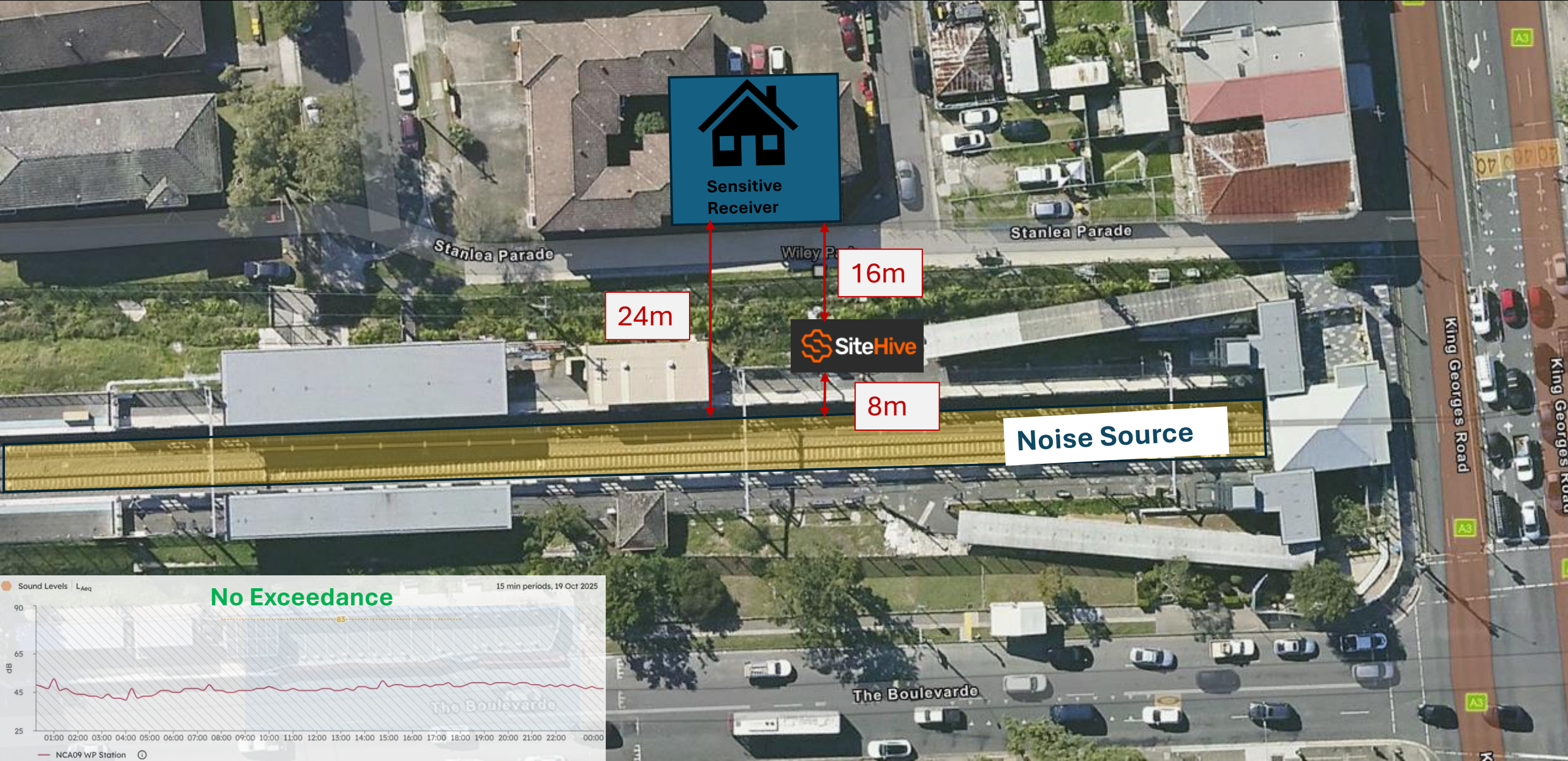
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA07	HEX-000531	NCA07 BELMORE TRIANGLE	1 Hall Street	8	11	3	69	80	WE16	19/10/2025	P1	Sun/Pub Ho1 (0800-1800)	41	39	28	M & LB



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA08	HEX-000758	NCA08 LKB STATION	15-19 Croydon Street	47	84	43	67	73	WE16	19/10/2025	P1	Sun/Pub Ho1 (0800-1800)	47	26	20	LB



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA09	HEX-000558	NCA09 WP STATION	1-3 Shadforth Street	16	24	8	73	83	WE16	19/10/2025	P1	Sun/Pub Hol (0800-1800)	44	39	29	M & LB



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA10	HEX-000246	NCA10 PB STATION	41 Urunga Parade	100	110	16	58	75	WE16	19/10/2025	P1	Sun/Pub Ho1 (0800-1800)	47	28	11	LB



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA10	HEX-000760	NCA10 Breust Place	18 Highclere Avenue	116	55	5	61	82	WE16	17/10/2025	P1	Mon-Fri (1800-2200)	47	35	14	LB
NCA10	HEX-000760	NCA10 Breust Place	18 Highclere Avenue	116	55	5	61	82	WE16	18/10/2025	P2	Mon-Fri (2200-0700)	41	41	20	LB, M
NCA10	HEX-000760	NCA10 Breust Place	18 Highclere Avenue	116	55	5	61	82	WE16	18/10/2025	P1	Sat (1800-2200)	47	35	14	LB
NCA10	HEX-000760	NCA10 Breust Place	18 Highclere Avenue	116	55	5	65	86	WE16	19/10/2025	P1	Sun/Pub Hol (0800-1800)	47	39	18	LB
NCA10	HEX-000760	NCA10 Breust Place	18 Highclere Avenue	116	55	5	61	82	WE16	19/10/2025	P1	Sat (1800-2200)	47	35	14	LB



A. Details of any exceedances of predicted noise levels;

There were no exceedance due to works occurring.

B. Details of the noise and vibration mitigation measures that were implemented as specified in the relevant Construction Noise and Vibration Impact Assessment for the worksite

The mitigation measures that were implemented included:

- Planning process reduce OOH in more sensitive periods where possible (mostly Day OOH)
- All workers briefed at prestart of OOHW taking place.
- Works occur within the hours agreed in the OOHW only.
- All plant positioned so that the exhaust (or noisiest side of the plant) is pointing away from sensitive receivers, where possible.
- The engine of any plant is to be turned off when not in use
- Workers are not to shout, slam doors, drop objects or make any other unnecessary noise
- Workers are to be mindful of residents when mobilizing and demobilizing

Additional mitigation measures in accordance with the Sydney Metro Construction Noise and Vibration Strategy were implemented which included:

- Letter box drops
- Continuous monitoring
- Respite for receivers with potential noise exceedance of over 20dB and alternative accommodation offered for receivers with potential noise exceedance of over 30dB.

C. The justification required under L5.5 & L5.6 for the carrying out of works outside of standard construction hours in L5.1.

The works carried out on WE16 (19th October 0800 to 1800) could only be safely conducted during a rail possession due to works occurring within the rail corridor/danger zone. Works were completed in accordance with EPL Condition L5.5 Local Possession (as dynamic testing is occurring during the week). Carrying out the construction activities during standard construction hours (specified in L5.1) would cause unacceptable risks to construction personnel safety; rail passenger and railways personnel safety and railway network operational reliability.

The works carried out on WK16 (19th October 0800 to 1800) at Ness Ave, Dulwich Hill were completed under L5.6 (OOHW – Utility & Local Area) as the **TfNSW** has advised the licensee in writing that carrying out the works and activities during the hours specified in Condition L5.1 would result in a high risk to road network operational performance.

The works carried out on WE/WK16 (17th October 1800 to 19th October 2200) at Breust Place, Punchbowl were completed under L5.6 (OOHW – Utility & Local Area) as the **City of Canterbury and Bankstown** has advised the licensee in writing that carrying out the works and activities during the hours specified in Condition L5.1 would result in a high risk to road network operational performance.

All feasible and reasonable at-source noise controls were implements in accordance with Condition L4.1, and noise mitigation measures were implemented in accordance with JHLORJV's CNVIS and Interim Construction Noise Guideline (DECC 2009).

R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.5 & L5.6 by no later than 2 business days from the end of each fortnight.

This R4.4 Validation report has been submitted to EPA by no later than two business days after the end of the fortnight.

Attachment 1 – Community Notification

Community Notifications were provided to residents of Sydenham, Marrickville, Dulwich Hill, Hurlstone Park, Canterbury, Campsie, Belmore, Lakemba, Wiley Park, Punchbowl and Bankstown.

Community notifications for works undertaken at the previously stated locations available upon request.

EPL 21147

R4.4 Validation Report

SWM3 2025 WE/WK17

R4.4 Sydney Metro Possession (WE17, 26 October 2025) & Local Area Works (WK17, 29 October 2025)

Document and Revision History

Document Details	
Title	R4.4 Validation Report
Client	Sydney Metro City & Southwest
JHLOR JV contract no.	K44

Revisions

Revision	Date	Description	Prepared by	Reviewed by
01	05/11/2025	Prepared for R4.4	Ted Zhang	Lucas Dobrolot

Management reviews

Review date	Details	Reviewed by

Controlled: NO Copy no.: Uncontrolled: YES

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Introduction

This validation report has been prepared in accordance with EPL 21147 Condition R4.4 for out-of-hour works carried out between 26th to 29th October, detailed noise activities are below:

Low Impact Works (L5.1) - 26th October 0800 to 1800 in Weekend 17 (WE17)

- Site access 0600 to 0800 Saturday & Sunday (pre-start, vehicle movement, set up, some low impact work)
- Protection Screen Door (PSD) & Mechanical Gap Filler (MGF) Testing Works
- Testing and commissioning equipment
- Track inspection

Possession Works (L5.5) - 26th October 0800 to 1800 in WE17

- Platform finishes
- Tiling & Glazing installation
- Bird proofing
- Vegetation clearing
- Over Head Protecting Beam (OHPB) construction
- Overhead Wire inspection

Occurred during possession on Sydney Metro's track (between Sydenham Station to Bankstown Station). Works were carried out under Condition L5.5 - Local Possessions.

Local Area Works (L5.6)

- Ness Avenue, Dulwich Hill - 29th October 2200 to 0700 in WE17
 - Plant mobilizing
- Foord Avenue, Hurlstone Park – 29th October 2200 to 0700 in WE17
 - Plant mobilizing

Works were carried out under Condition L5.6 - Local Area and Utility Works.

Refer to **Attachment 1** for monitoring results.

R4.4(a) For activities permitted under Condition L5.5 & L5.6, a validation report must be submitted to the EPA that includes the following detail:

1. **Confirmation that the equipment used to undertake the works was as specified in the relevant Construction Noise and Vibration Impact Assessment (CNVIA) for the worksite**

The assessment prepared for the works included modelling based on Sound Power Level for the following plant and equipment:

- Station Works
 - Powered hand tool
 - Generators
- PSD & MGF Testing and commissioning works
 - Hand tool
- Over Head Protecting Beam (OHPB) construction
 - Excavator
 - Hydremas/Mini hydremas
 - Powered hand tool

-
- Bird Proofing
 - EWP
 - Hand tool
 - Overhead Wire Inspection
 - EWP
 - Vegetation Clearing
 - Chain Saw
 - Mulcher
 - Excavator
 - Plant Mobilizing
 - Flatbed truck
 - Piling Rig
 - Crane

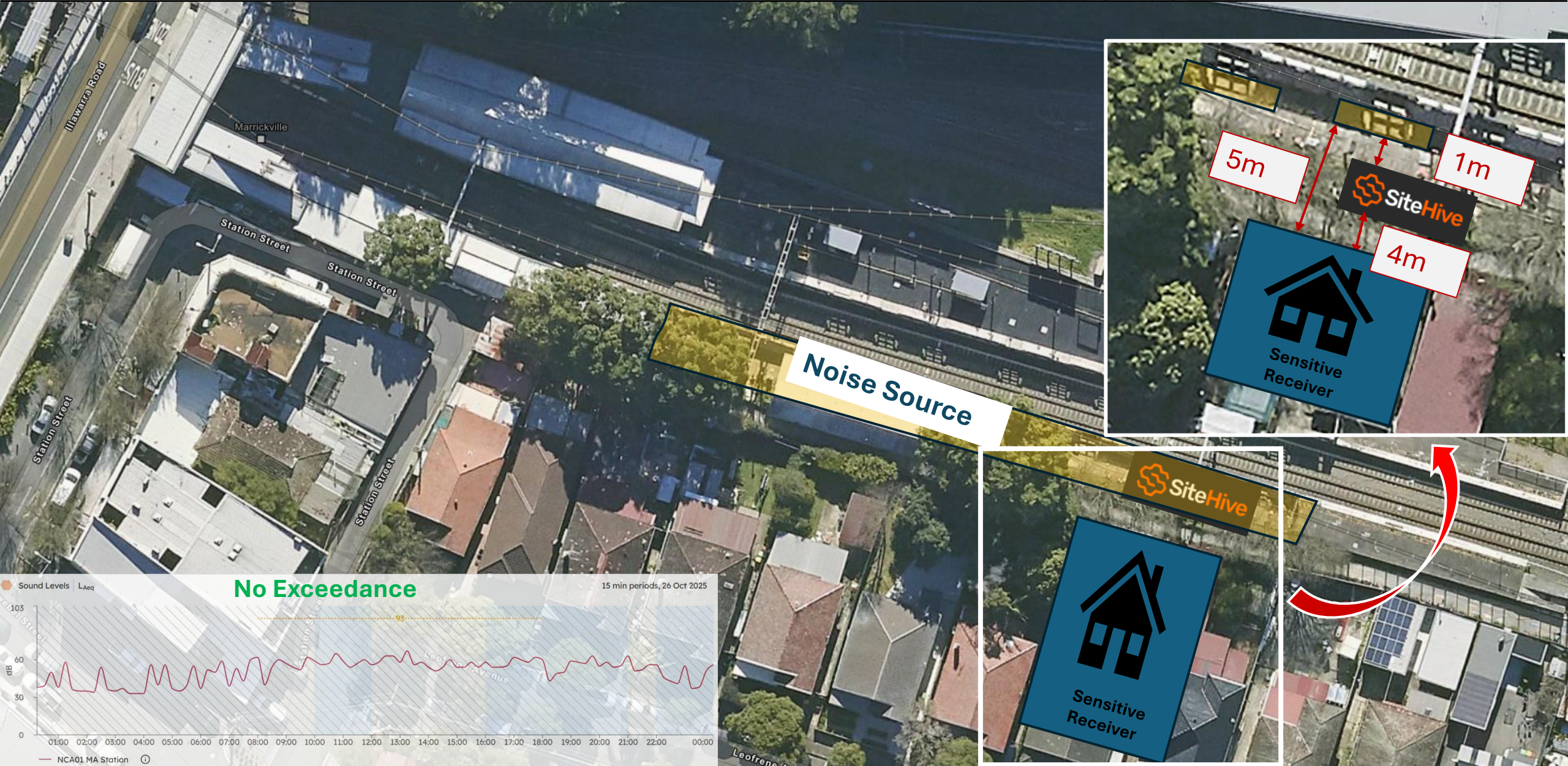
2. A copy of the community notification required under Condition L5.11

A copy of the community notification required under Condition L5.11 is appended as **Attachment 2**.

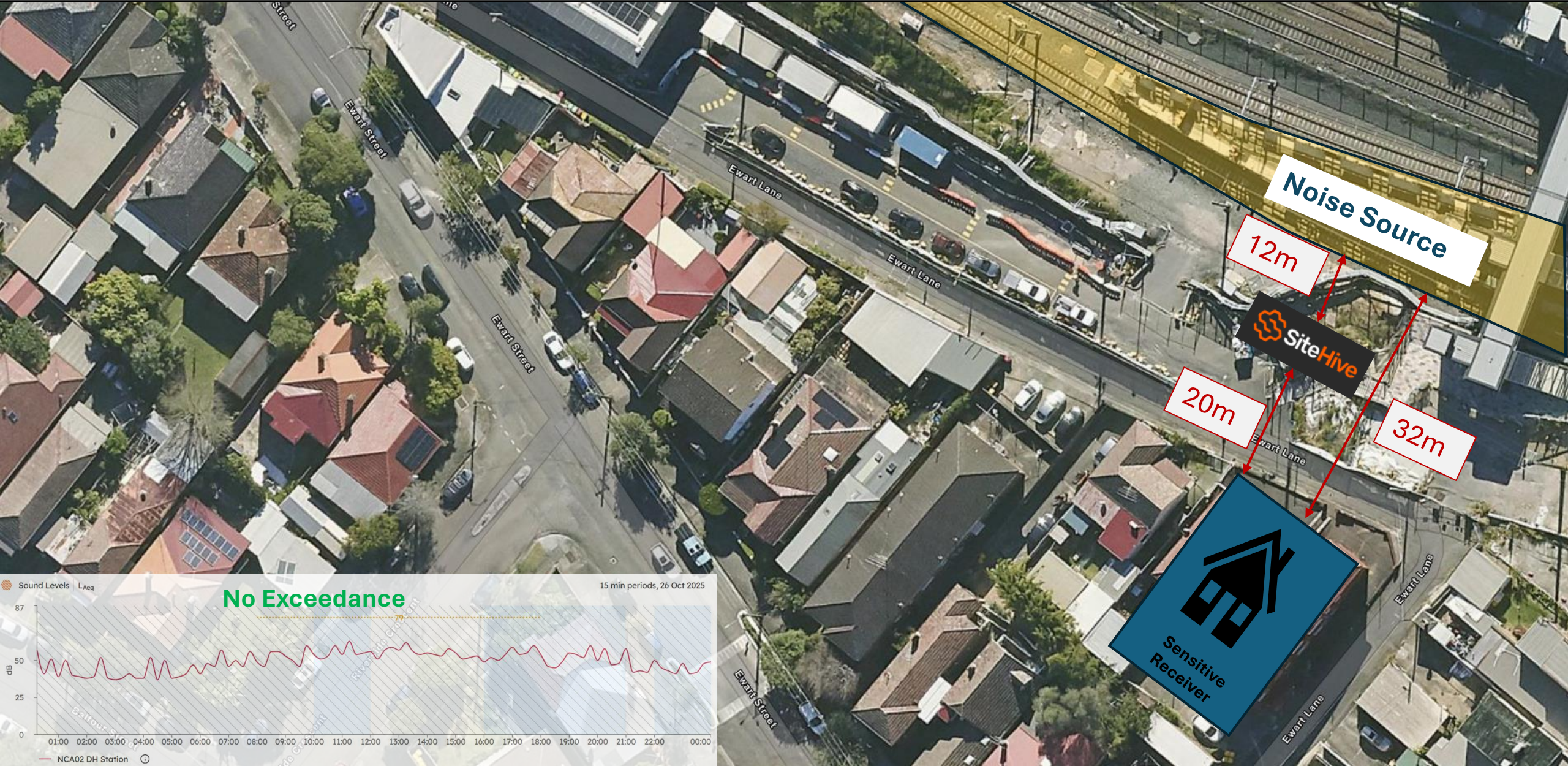
3. Noise monitoring as required by L5.7(d)

WE/WK17 works noise monitoring was carried out at the following locations along the project corridor.

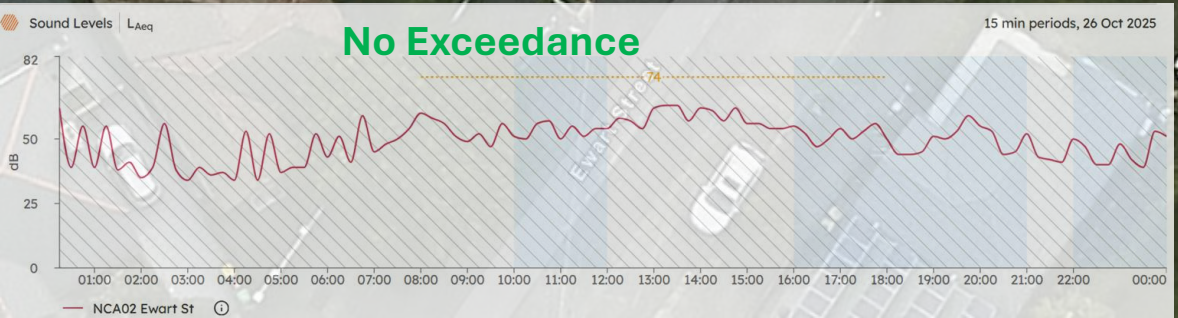
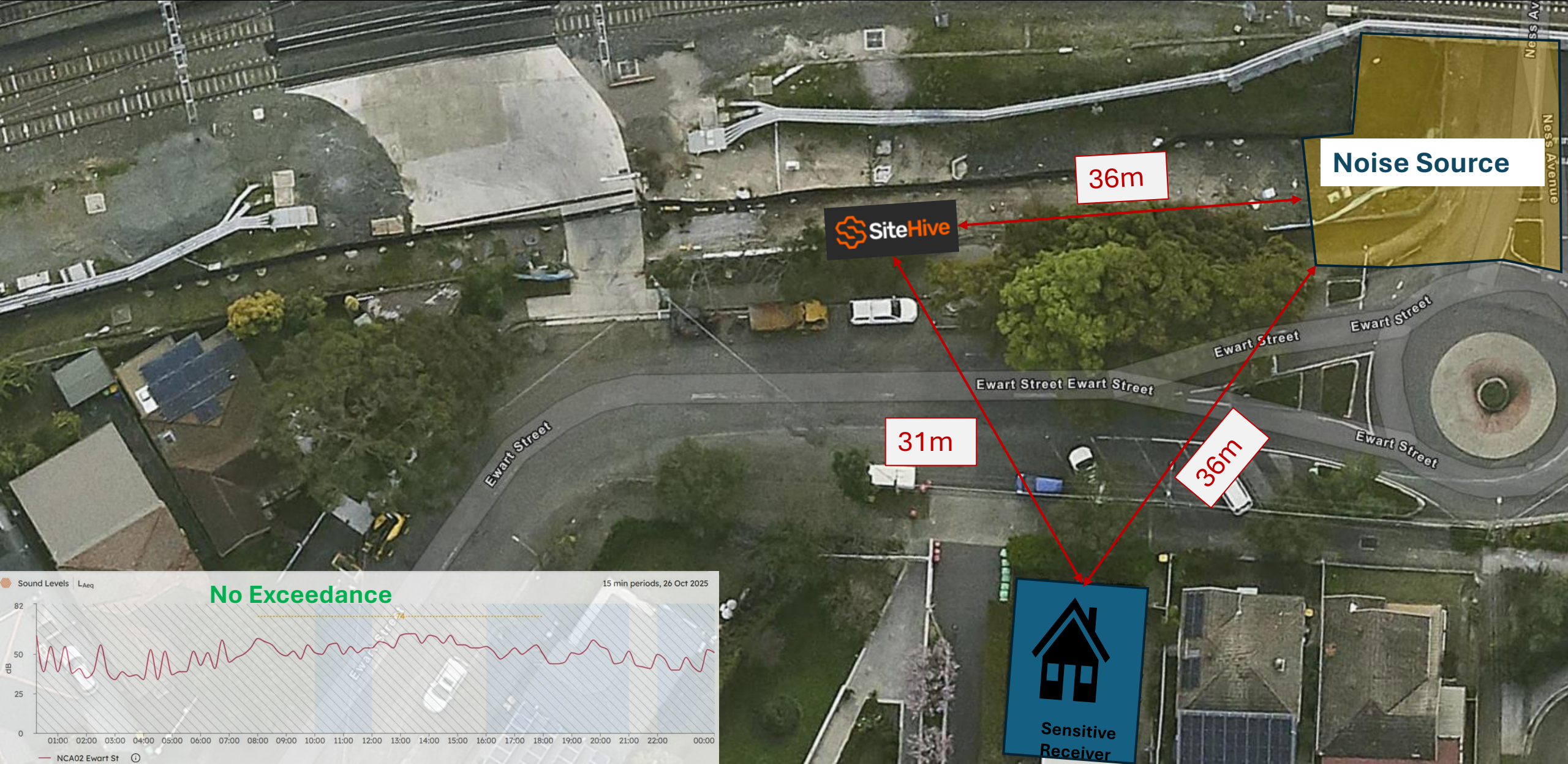
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NCA01	HEX-000421	NCA01 MA STATION	15 Leofrene Avenue	4	5	1	79	93	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	38	55	41	RO



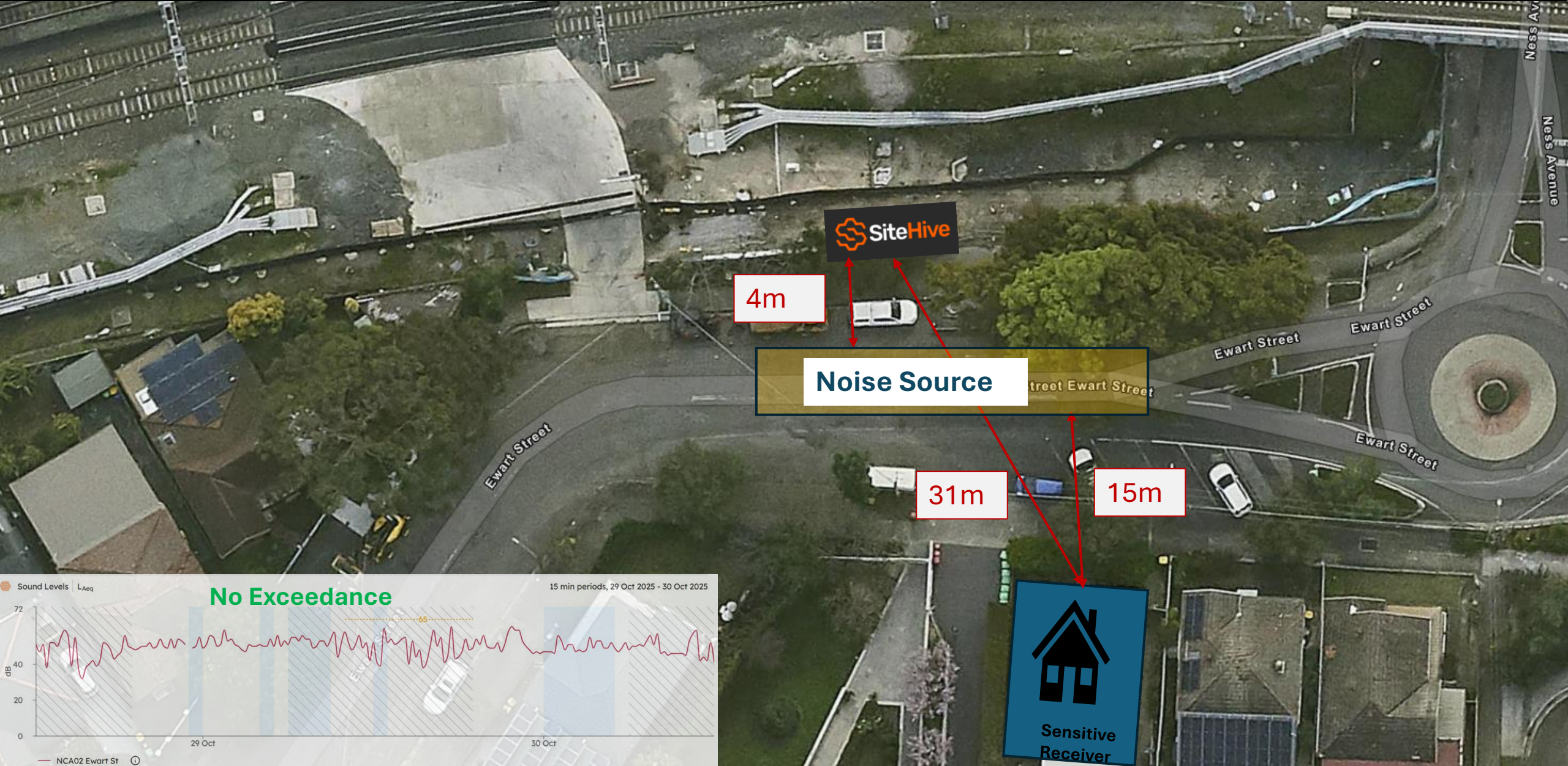
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NCA02	HEX-000465	NCA02 DH STATION	51A Ewart Lane	20	32	12	70	79	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	38	41	32	RO



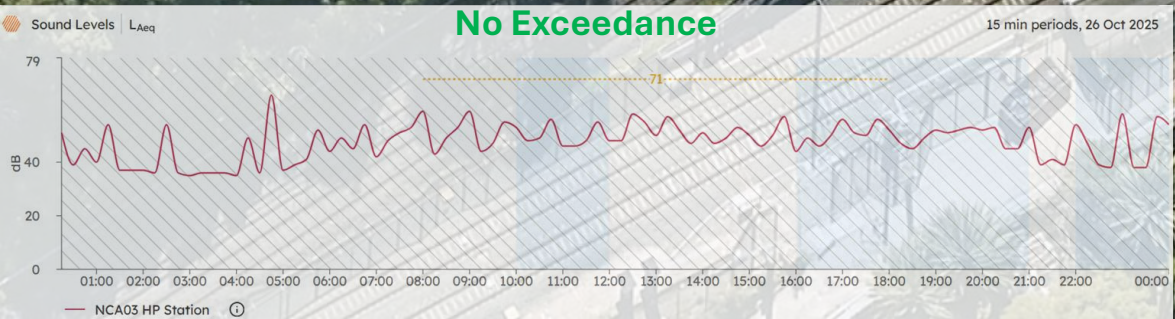
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NCA02	HEX-000631	NCA02 EWART St	112 Ewart St	31	36	36	74	74	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	38	36	36	RO



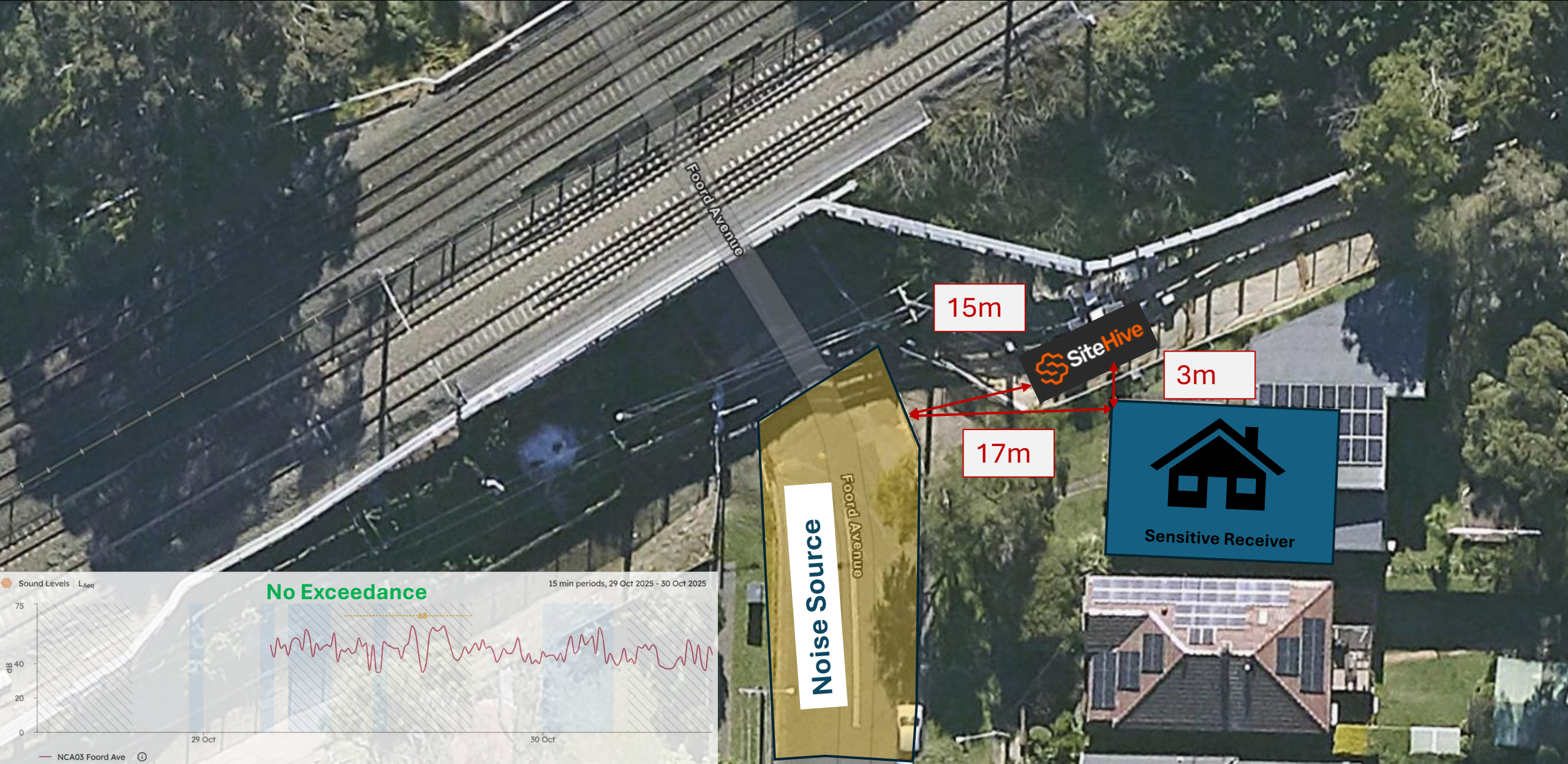
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NCA02	HEX-000631	NCA02 Ewart St	112 Ewart St	31	15	4	65	76	WE17	29/10/2025	P2	Mon-Fri (2200-0700)	33	43	32	R0, AA



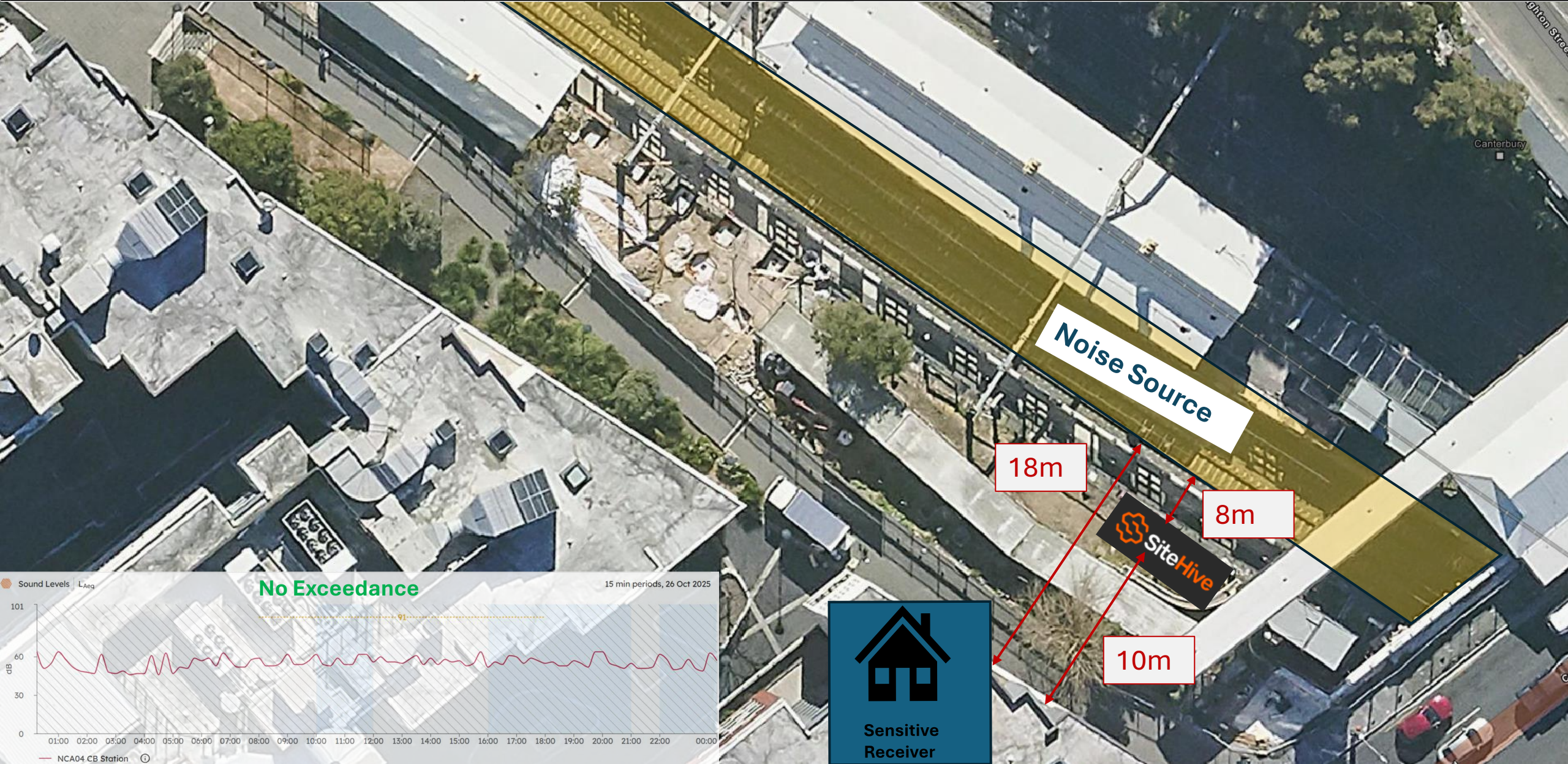
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NCA03	HEX-000516	NCA03 HP STATION	3A Commons Street	7	17	11	67	71	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	38	33	29	M & LB



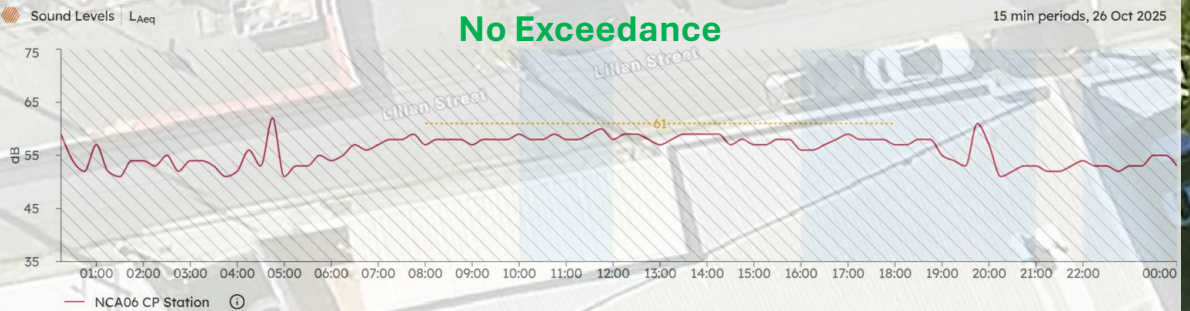
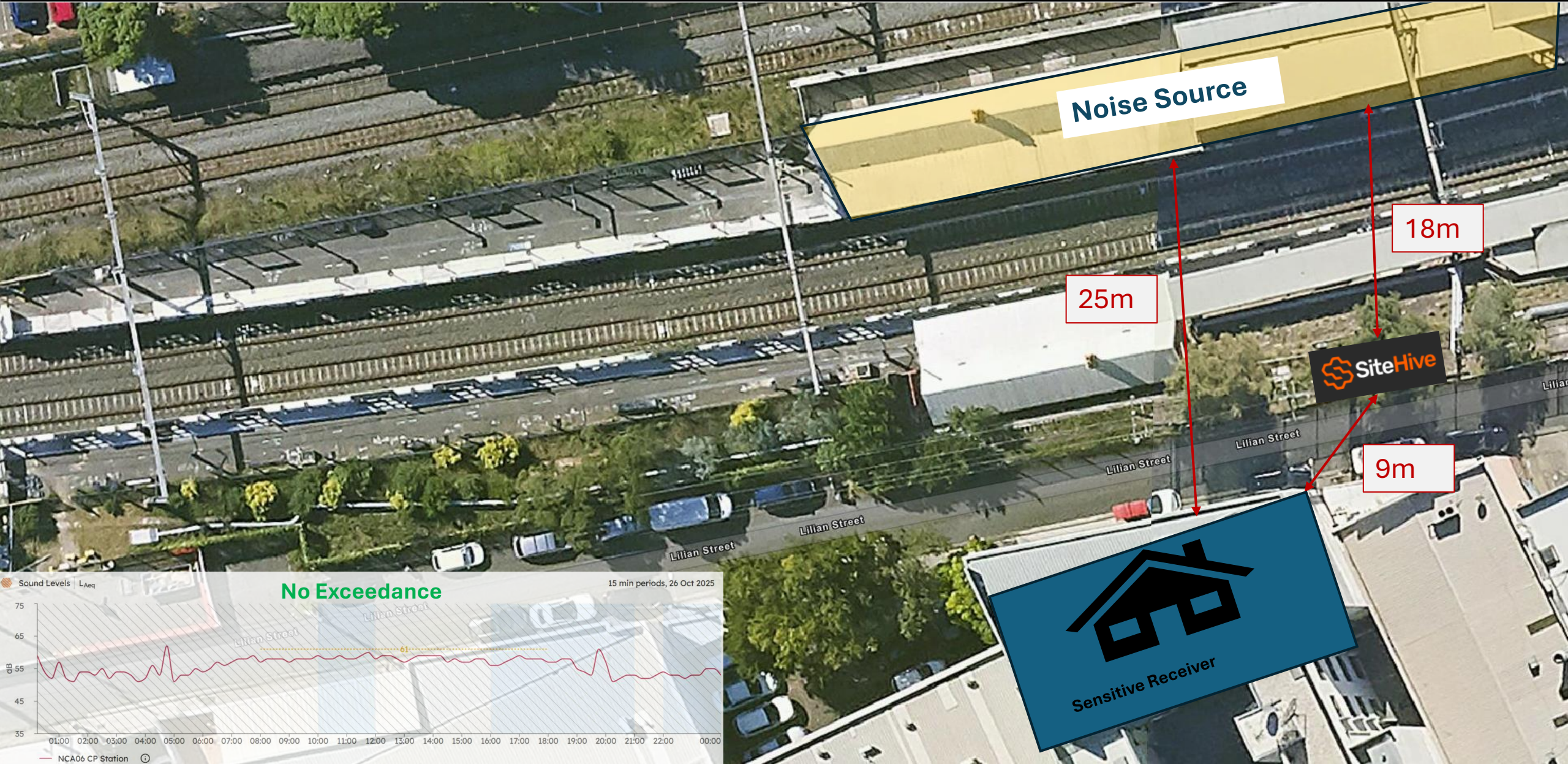
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NCA03	HEX-000465	NCA03 FOORD Ave	5 Foord Ave	3	18	16	67	68	WE17	29/10/2025	P2	Mon-Fri (2200-0700)	34	34	33	R0, AA



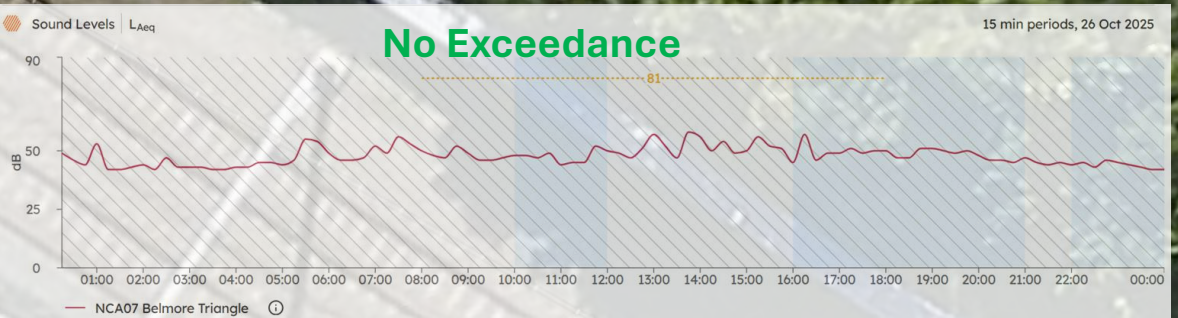
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NCA04	HEX-000296	NCA04 CB STATION	2A Charles Street	10	18	8	84	91	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	40	51	44	RO



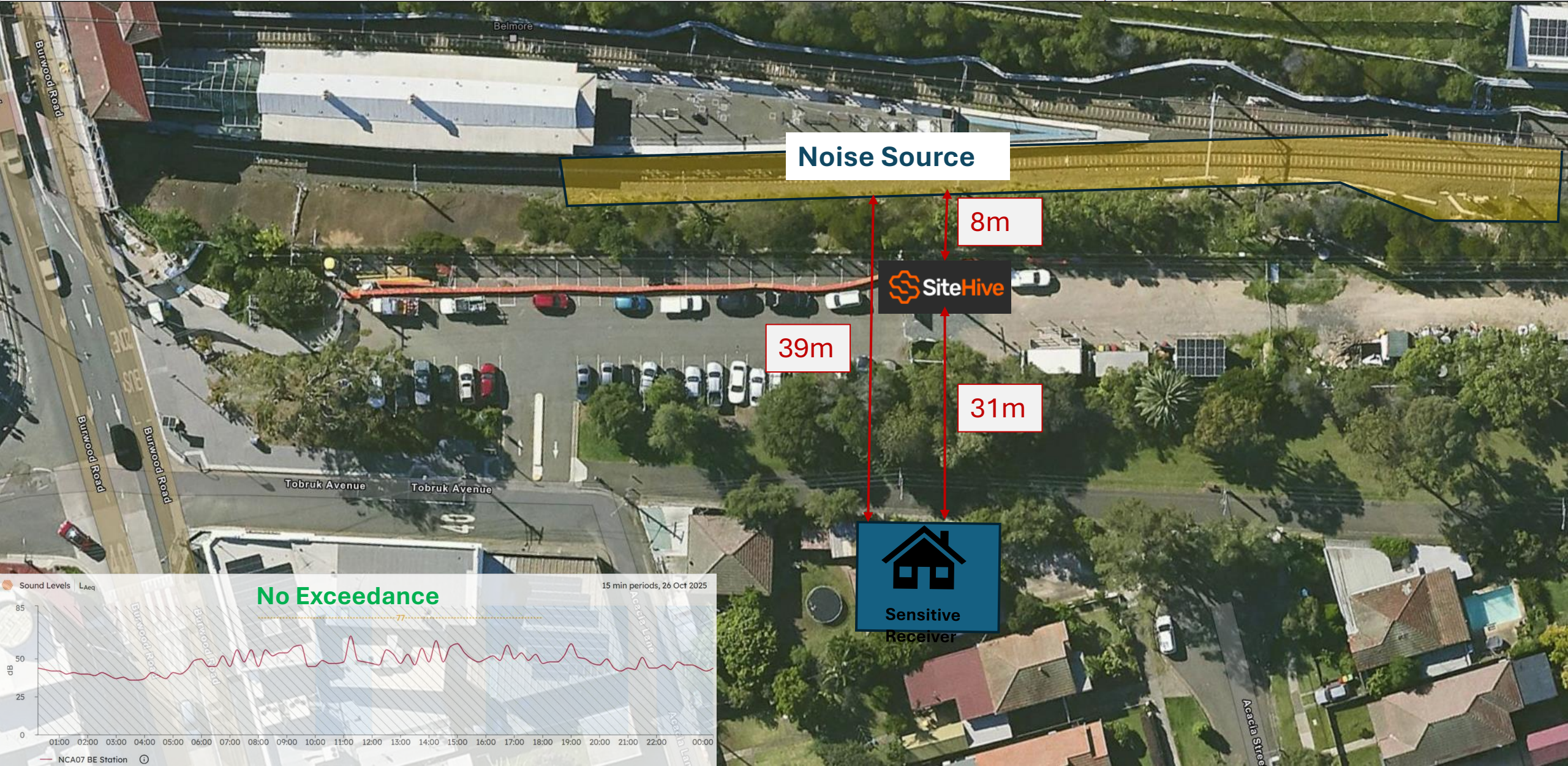
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NCA06	HEX-000743	NCA06 CP STATION	13-15 Anglo Road	9	25	18	58	61	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	45	16	13	LB



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA07	HEX-000531	NCA07 BELMORE TRIANGLE	1 Hall Street	8	11	3	70	81	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	41	40	29	M & LB



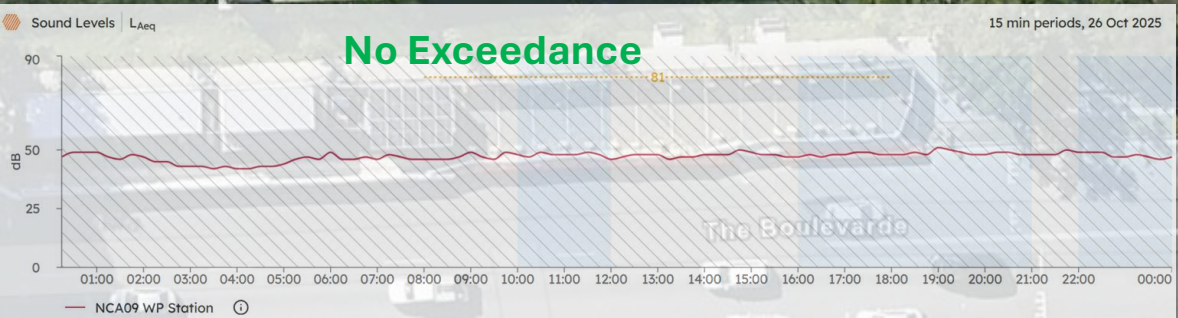
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NCA07	HEX-000630	NCA07 BE STATION	1 Acacia Street	31	39	8	63	77	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	41	36	22	M & LB



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SR SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA08	HEX-000758	NCA08 LKB STATION	15-19 Croydon Street	43	46	9	66	80	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	47	33	19	LB



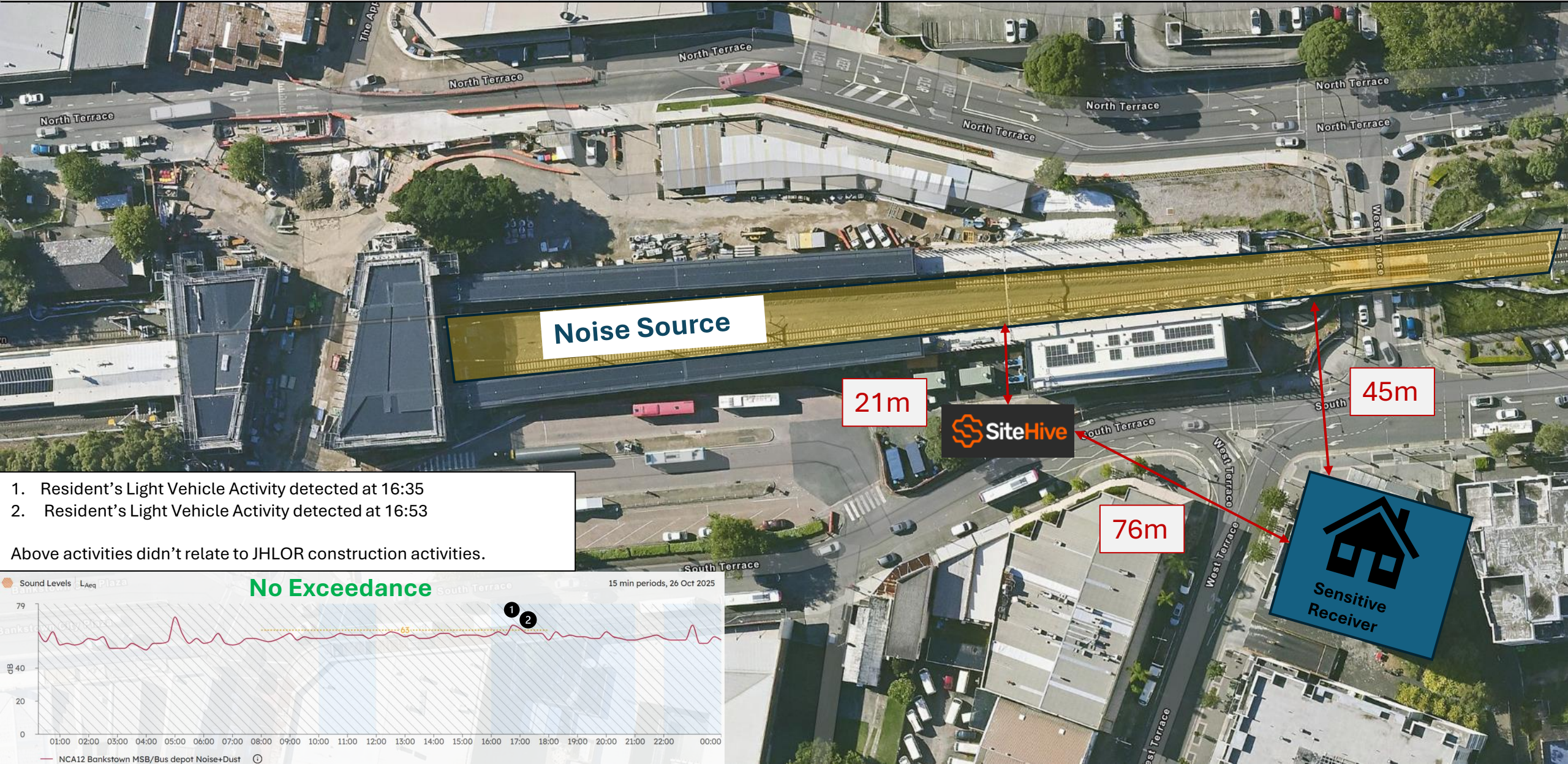
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SiteHive (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA09	HEX-000558	NCA09 WP STATION	1-3 Shadforth Street	16	24	8	71	81	WE17	26/10/2025	P1	Sun/Pub Hol (0800-1800)	44	37	27	M & LB



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA10	HEX-000246	NCA10 PB STATION	41 Urunga Parade	100	110	16	57	74	WE17	26/10/2025	P1	Sun/Pub Ho1 (0800-1800)	47	27	10	nil



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA12	HEX-000618	NCA12 Bankstown MSB/Bus depot	2 West Terrace	76	45	21	56	63	WE15	12/10/2025	P1	Sun/Pub Ho1 (0800-1800)	54	9	2	nil



A. Details of any exceedances of predicted noise levels;

There were no exceedance due to works occurring.

B. Details of the noise and vibration mitigation measures that were implemented as specified in the relevant Construction Noise and Vibration Impact Assessment for the worksite

The mitigation measures that were implemented included:

- Planning process reduce OOH in more sensitive periods where possible (mostly Day OOH)
- All workers briefed at prestart of OOHW taking place.
- Works occur within the hours agreed in the OOHW only.
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- Letter box drops
- Continuous monitoring
- Respite for receivers with potential noise exceedance of over 20dB and alternative accommodation offered for receivers with potential noise exceedance of over 30dB.

C. The justification required under L5.5 & L5.6 for the carrying out of works outside of standard construction hours in L5.1.

The works carried out on WE17 (26th October 0800 to 1800) could only be safely conducted during a rail possession due to works occurring within the rail corridor/danger zone. Works were completed in accordance with EPL Condition L5.5 Local Possession (as dynamic testing is occurring during the week). Carrying out the construction activities during standard construction hours (specified in L5.1) would cause unacceptable risks to construction personnel safety; rail passenger and railways personnel safety and railway network operational reliability.

The works carried out on WK17 (29th October 2200 to 0700) at Ness Ave, Dulwich Hill were completed under L5.6 (OOHW – Utility & Local Area) as the **TfNSW** has advised the licensee in writing that carrying out the works and activities during the hours specified in Condition L5.1 would result in a high risk to road network operational performance.

The works carried out on WK17 (29th October 2200 to 0700) at Foord Ave, Hurlstone Park were completed under L5.6 (OOHW – Utility & Local Area) as the **TfNSW** has advised the licensee in writing that carrying out the works and activities during the hours specified in Condition L5.1 would result in a high risk to road network operational performance

All feasible and reasonable at-source noise controls were implements in accordance with Condition L4.1, and noise mitigation measures were implemented in accordance with JHLORJV's CNVIS and Interim Construction Noise Guideline (DECC 2009).

R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.5 & L5.6 by no later than 2 business days from the end of each fortnight.

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Attachment 1 – Community Notification

Community Notifications were provided to residents of Sydenham, Marrickville, Dulwich Hill, Hurlstone Park, Canterbury, Campsie, Belmore, Lakemba, Wiley Park, Punchbowl and Bankstown.

Community notifications for works undertaken at the previously stated locations available upon request.