





Water Monitoring Data - Monthly Summary									
Month and Year	September 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	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=issued</a>								
	M2 - Requirement to monitor concentration of pollutants discharged								
Specific EPL monitoring conditions									
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	1	Y	NA	NA	NA	NA	NA	NA	24hr rainfall 75mm + by 0900, 11/09/25, visual inspection. No discharge off site.

Noise Monitoring Data - Monthly Summary			
Month and Year	September2025	 	
Project	Sydney Metro SWM3		
EPL license No.	21147		
EPL Weblink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued</a>		
Specific EPL monitoring conditions	M7.1 - Noise monitoring Appendix A- EPL R4.4 Validation Report		

Vibration Monitoring Data - Monthly Summary									
Month and Year	September 2025		 						
Project	Sydney Metro SWM3								
EPL license No.	21147								
EPL Weblink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=issued</a>								
Specific EPL monitoring conditions	M7.2 - Vibration monitoring								
Monitoring Location	Number of times monitoring during the month	Attended or continuous monitoring	Event based monitoring (Y/N)	Parameter eg.PPV	Unit	Minimum value for month	Maximum value for month	Goals/Targets	Comment
SWM3	0								No activities requiring vibration monitoring

Appendix A- EPL R4.4 Validation Report

# EPL 21147

## R4.4 Validation Report

### SWM3 2025 WE10

R4.4 Sydney Metro Possession (WE10, 06-07 September 2025)

#### Document and Revision History

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

#### Revisions

Revision	Date	Description	Prepared by	Reviewed by
01	08/09/2025	Prepared for R4.4	Ted Zhang	Lucas Dobrolot

#### Management reviews

Review date	Details	Reviewed by

Controlled: NO Copy no.: Uncontrolled: YES

Table of Contents

**Introduction .....3**

**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: .....3**

1. Confirmation that the equipment used to undertake the works was as specified in the relevant Construction Noise and Vibration Impact Assessment for the worksite .....3

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 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 06<sup>th</sup> September 1800 to 07<sup>th</sup> September 1800 in Weekend 10 (WE10) across the corridor and stations, noise activities:

### Low Impact Works (L5.1)

- Site access 0600 to 0800 Saturday & Sunday (pre-start, vehicle movement, set up, some low impact work)
- Vegetation removal and maintenance
- Track & OHW Works investigation;
- Station Works (refresh);
- Protection Screen Door (PSD) & Mechanical Gap Filler (MGF) Testing Works
- Testing and commissioning equipment
- Sydenham Station Over Head Wire (OHW) adjustment
- Sydenham Station bufferstop rectification
- Sydenham Station diamond crossing - moving bearers
- Sydenham Station track drainage works

### Possession Works (L5.5)

- Asphaltting
- Vegetation Clearing
- Anti-throw Screen installation
- Industrial painting
- Bridge Inspection
- Tiling & Glazing installation
- Track Access and Laydown

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

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 for the worksite**

The assessment prepared for the works included modelling for the following plant and equipment:

- Track Works/OHW
  - Powered hand tool
  - Hi-rail Excavator
  - Sennebogen
  - Track Welding Kit
  - Track Profile Grinder
  - Hi rail EWP
- Station Works
  - Powered hand tool
  - Hi-rail EWP
  - Excavators with hammer attachments
  - Hydremas/Mini hydremas

- 
- Generators
  - PSD & MGF Testing and commissioning works
    - Hand tool
  - Track Access and Laydown
    - Hi-rail Excavator
    - Hi-rail EWP
    - Hydremas/Mini hydremas
    - Light Tower

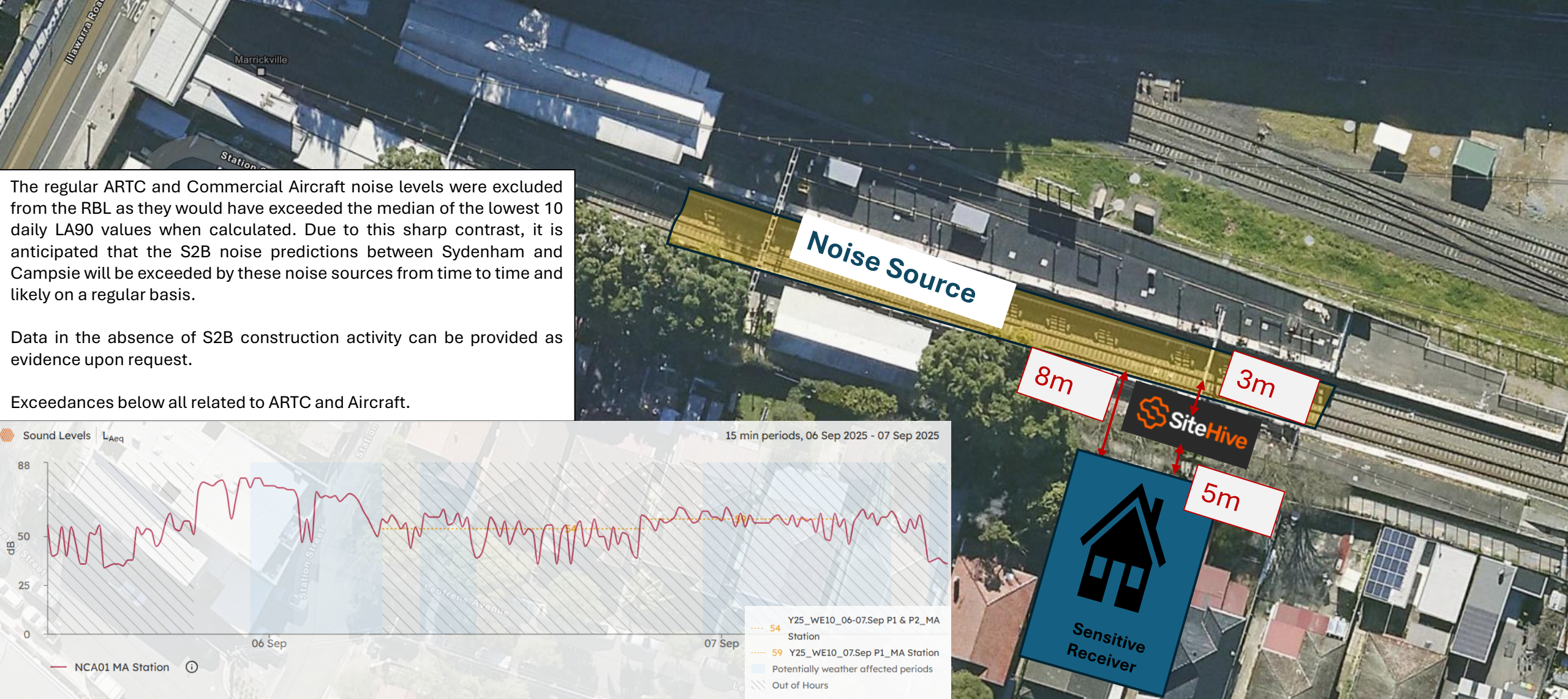
## 2. A copy of the community notification required under Condition L5.11

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

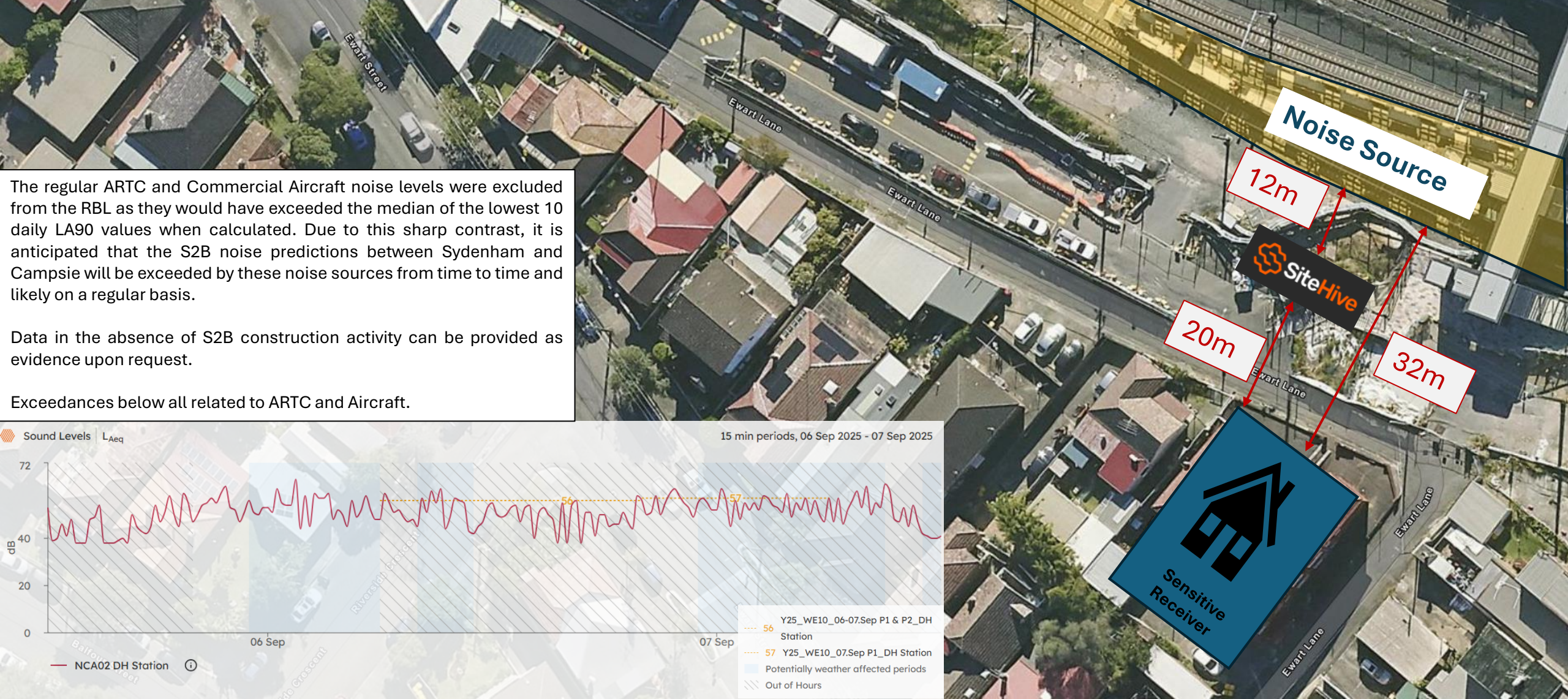
## 3. Noise monitoring as required by L5.7(d)

**WE10** 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	5	8	3	48	57	WE10	6/09/2025	P1	Sat (1800-2200)	38	19	10	nil
NCA01	HEX-000421	NCA01 MA STATION	15 Leofrene Avenue	5	8	3	48	57	WE10	6/09/2025	P2	Sat (2200-0800)	33	24	15	LB, M
NCA01	HEX-000421	NCA01 MA STATION	15 Leofrene Avenue	5	8	3	50	59	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	38	21	12	LB



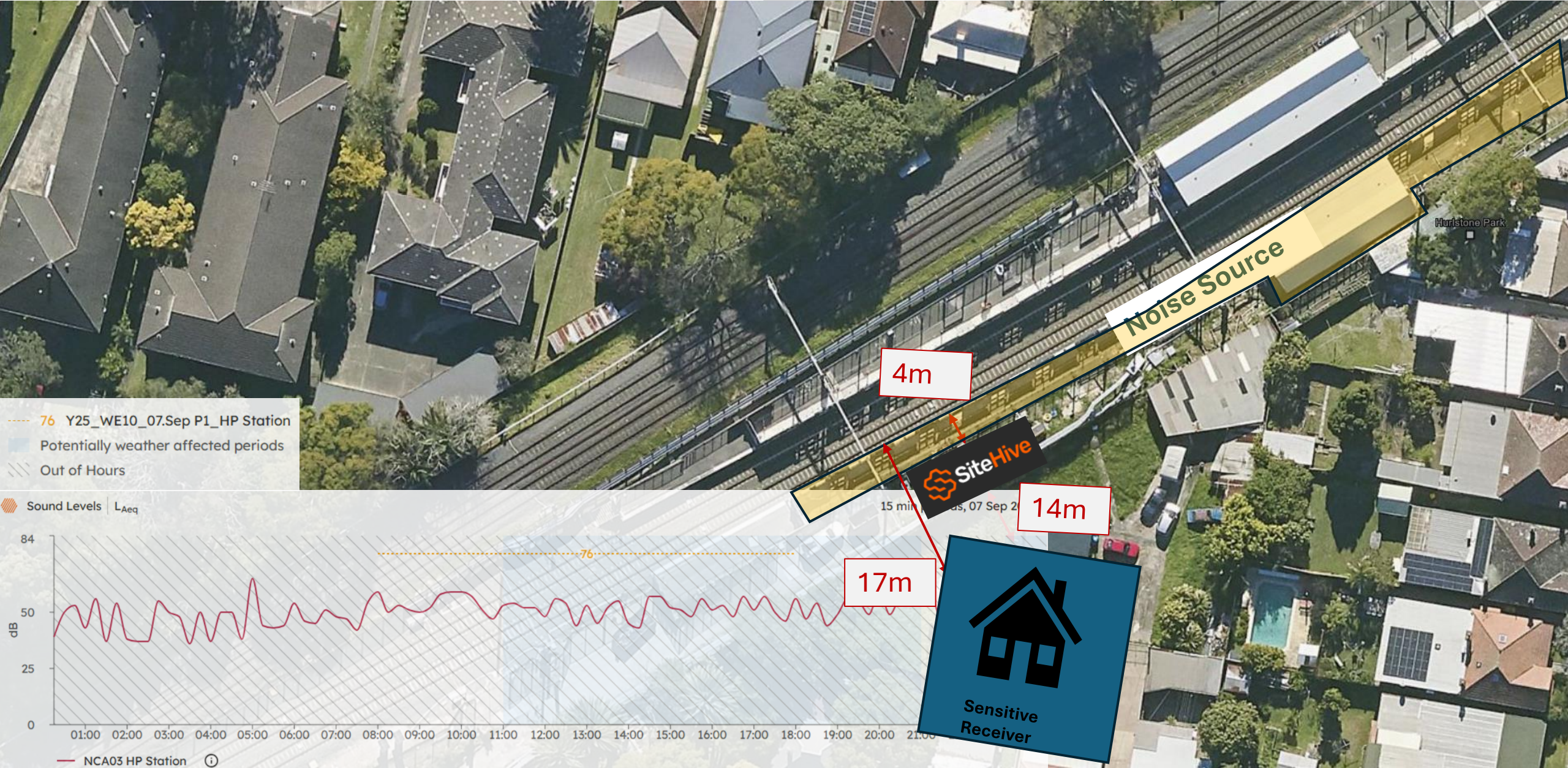
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
NCA02	HEX-000465	NCA02 DH STATION	51A Ewart Lane	20	32	12	48	57	WE10	6/09/2025	P1	Sat (1800-2200)	38	19	10	nil
NCA02	HEX-000465	NCA02 DH STATION	51A Ewart Lane	20	32	12	48	57	WE10	6/09/2025	P2	Sat (2200-0800)	33	24	15	LB, M
NCA02	HEX-000465	NCA02 DH STATION	51A Ewart Lane	20	32	12	48	57	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	38	19	10	nil



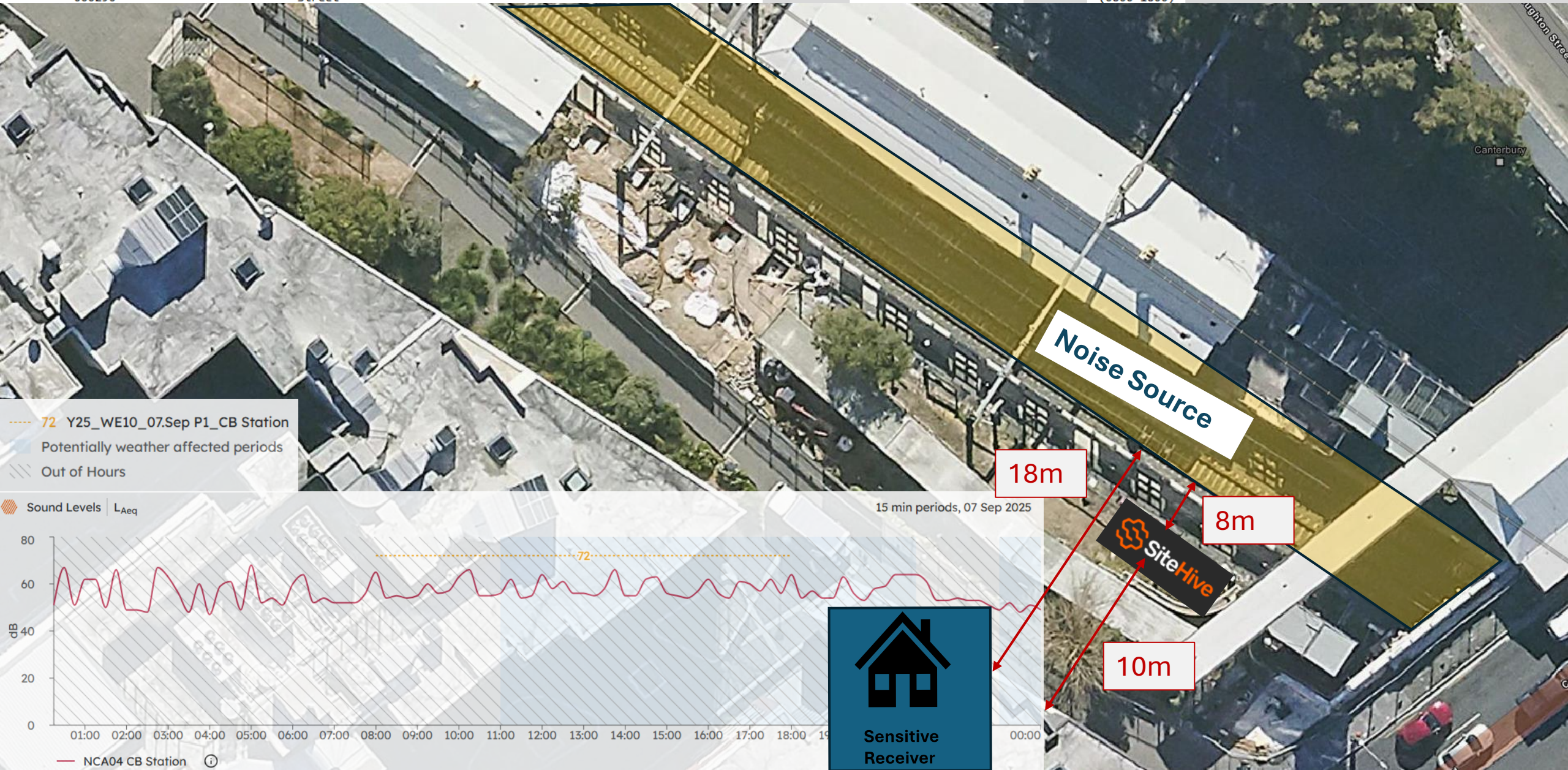
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA02	HEX-000631	NCA02 Ewart	73 Ewart Street	11	22	9	74	82	WE10	6/09/2025	P1	Sat (1800-2200)	38	44	36	RO
NCA02	HEX-000631	NCA02 Ewart	73 Ewart Street	11	22	9	74	82	WE10	6/09/2025	P2	Sat (2200-0800)	33	49	41	RO, AA
NCA02	HEX-000631	NCA02 Ewart	73 Ewart Street	11	22	9	73	81	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	38	43	35	RO



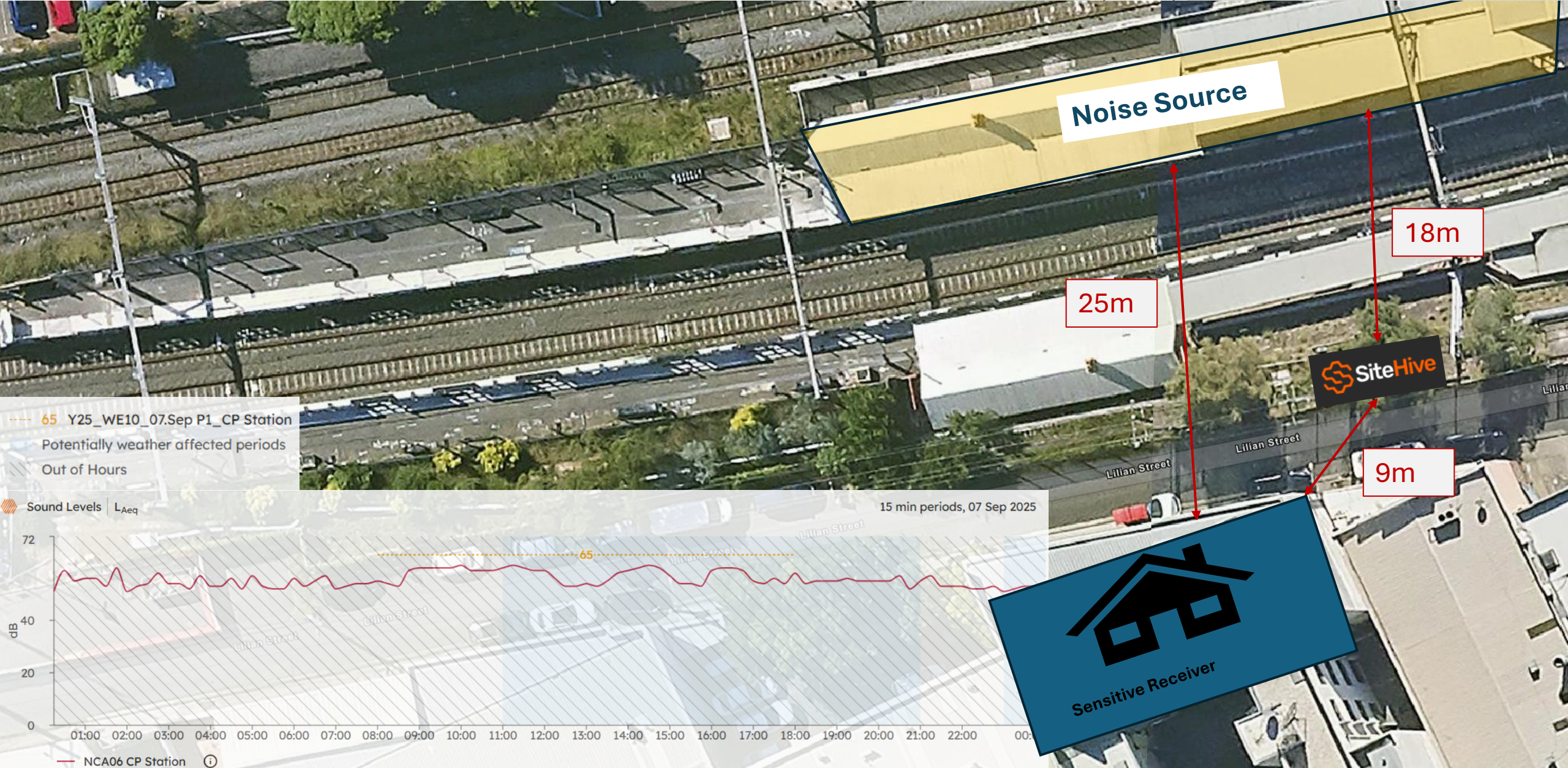
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	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
NCA03	HEX-000760	NCA03 HP STATION	3A Commons Street	14	17	4	63	76	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	38	38	25	M & LB



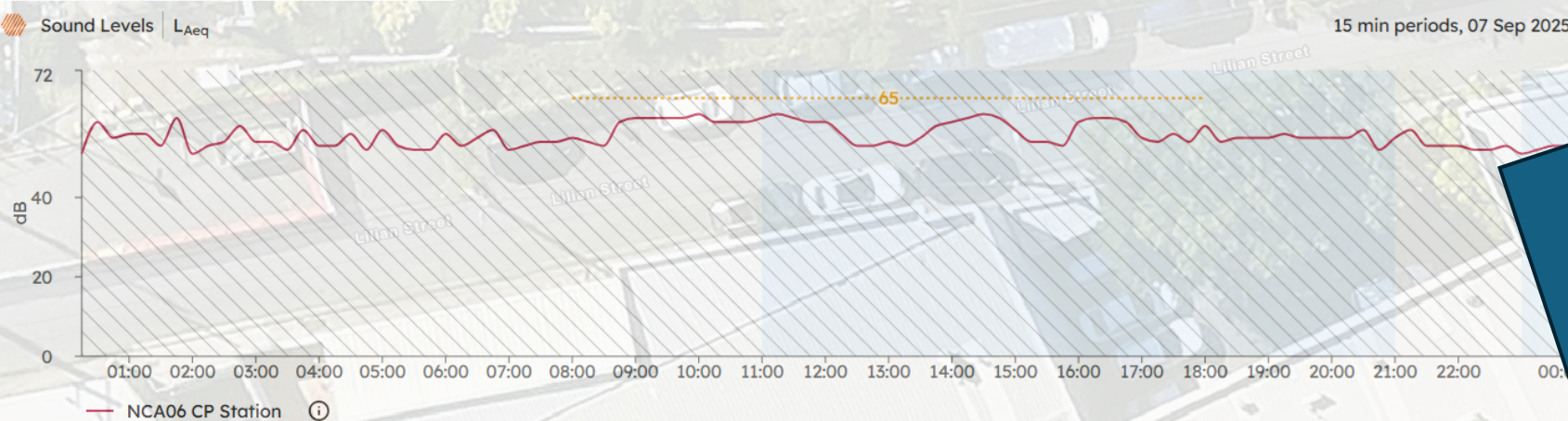
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SR (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA04	HEX-000296	NCA04 CB STATION	2A Charles Street	10	18	8	65	72	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	40	32	25	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	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA06	HEX-000743	NCA06 CP STATION	13-15 Anglo Road	9	25	18	62	65	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	45	20	17	LB



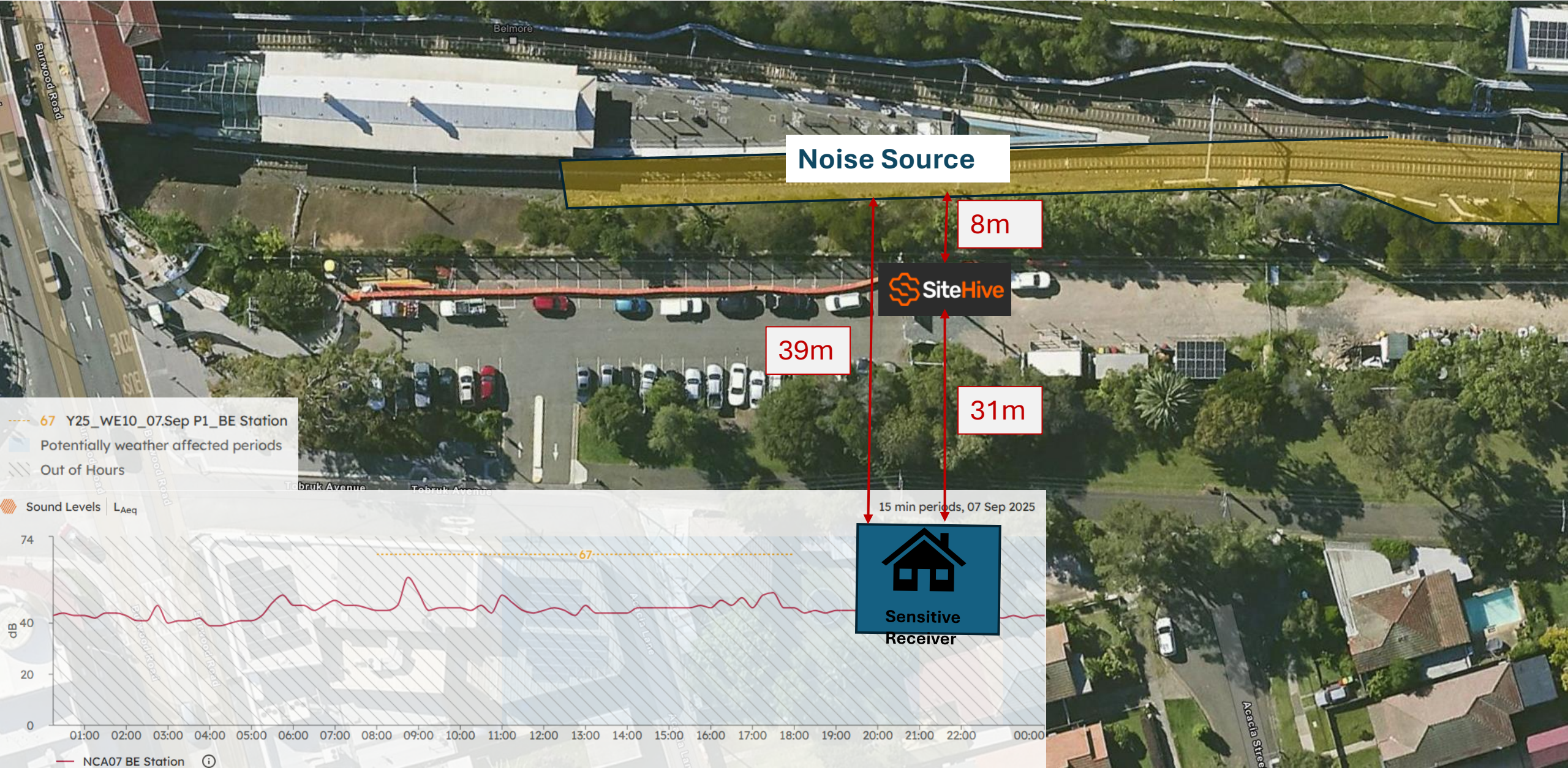
----- 65 Y25\_WE10\_07.Sep P1\_CP Station  
 Potentially weather affected periods  
 Out of Hours



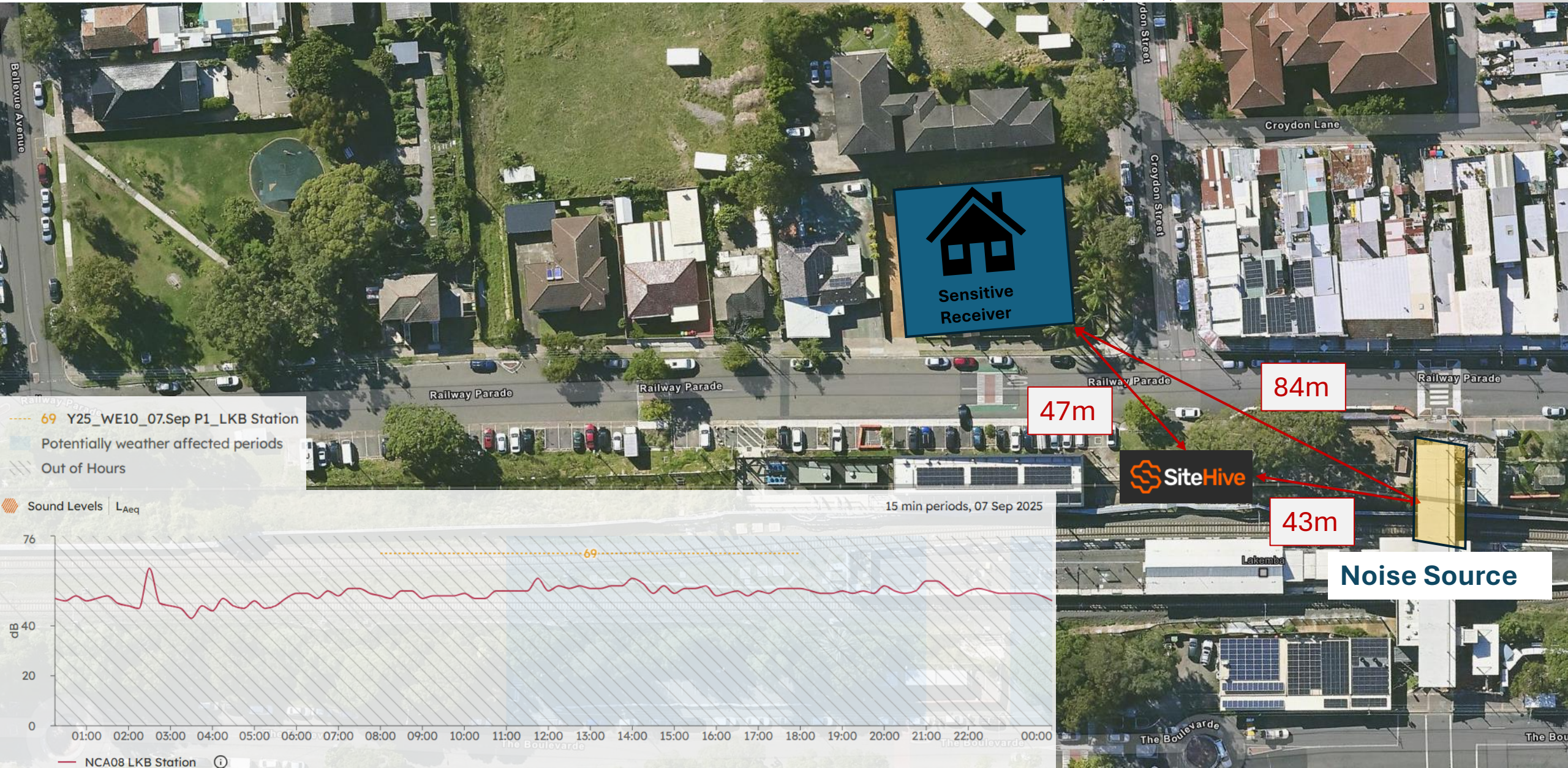
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA07	HEX-000531	NCA07 BELMORE TRIANGLE	1 Hall Street	8	11	3	74	85	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	41	44	33	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-000630	NCA07 BE STATION	1 Acacia Street	31	39	8	53	67	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	41	26	12	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
NCA08	HEX-000758	NCA08 LKB STATION	15-19 Croydon Street	47	84	43	63	69	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	47	22	16	LB



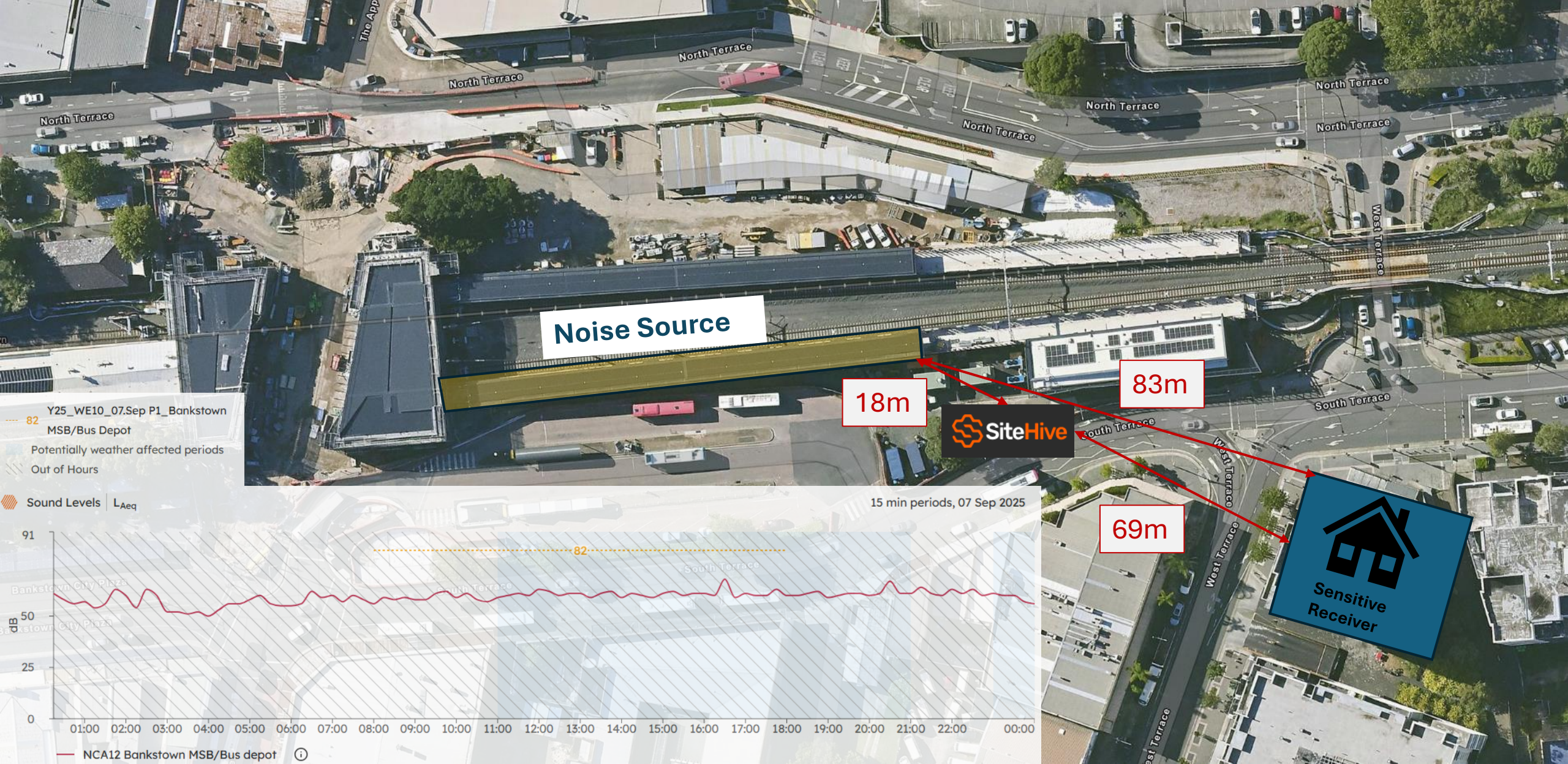
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA09	HEX-000558	NCA09 WP STATION	1-3 Shadforth Street	16	24	8	60	70	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	44	26	16	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	WE10	7/09/2025	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	69	83	18	69	82	WE10	7/09/2025	P1	Sun/Pub Ho1 (0800-1800)	54	28	15	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 for the carrying out of works outside of standard construction hours in L5.1.**

The works carried out on WE10 (06<sup>th</sup> September 1800 to 07<sup>th</sup> September 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.

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 WE11

R4.4 Sydney Metro Possession (WE11, 12-18 September 2025)

#### Document and Revision History

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

#### Revisions

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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 for the worksite .....3

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 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 12<sup>th</sup> September 1800 to 19<sup>th</sup> September 0700 in Week/Weekend 11 (WK/WE11) across the corridor and stations, noise activities:

### Low Impact Works (L5.1)

- Site access 0600 to 0800 Saturday & Sunday (pre-start, vehicle movement, set up, some low impact work)
- Vegetation removal and maintenance
- Track & OHW Works investigation;
- Station Works (refresh);
- Protection Screen Door (PSD) & Mechanical Gap Filler (MGF) Testing Works
- Testing and commissioning equipment
- UTO Gate fit out and device install, testing and energization
- Cable route investigation
- Rail to Earth Testing

### Possession Works (L5.5)

- Vegetation Clearing
- Anti-throw Screen installation
- Industrial painting
- Bridge Inspection
- Earthing & Bonding- IJ Installation
- Generator for station power out support
- Tiling & Glazing installation
- Track Maintenance - Gauge rectification
- Track Access and Laydown
- Track Welding

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

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 for the worksite**

The assessment prepared for the works included modelling for the following plant and equipment:

- Vegetation Clearing
  - Powered hand tool
- Track Works
  - Powered hand tool
  - Hi-rail Excavator
  - Sennebogen
  - Track Welding Kit
  - Track Profile Grinder
- Bridge Inspection
  - Hi rail EWP

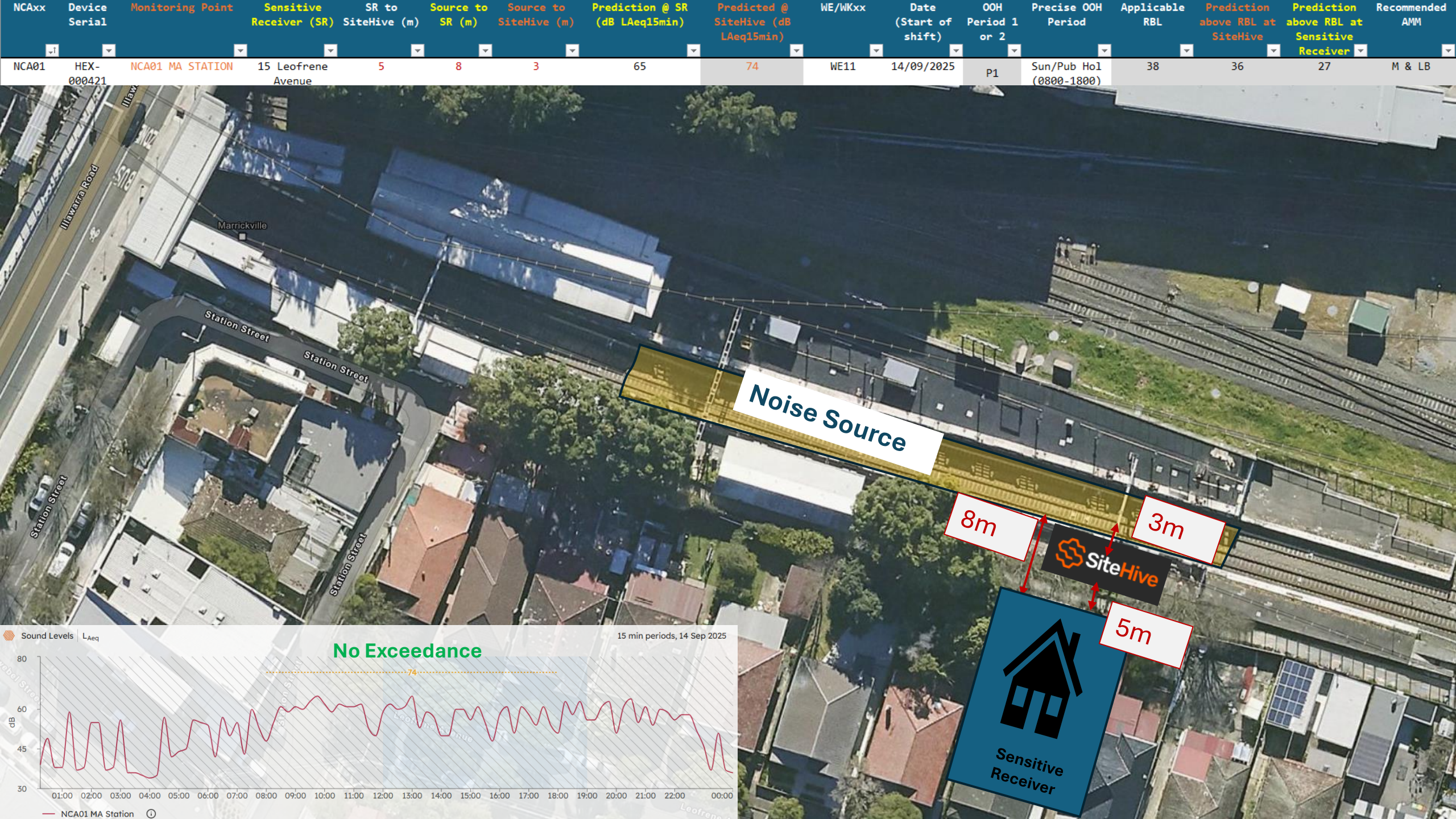
- 
- Earthing & Bonding- IJ Installation
    - Powered hand tool
  - Station Works
    - Powered hand tool
    - Concrete Grinder and Saw
    - Hydremas/Mini hydremas
    - Generators
  - PSD & MGF Testing and commissioning works
    - Hand tool
  - Track Access and Laydown
    - Hi-rail Excavator
    - Hi-rail EWP
    - Hydremas/Mini hydremas
    - Light Tower

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

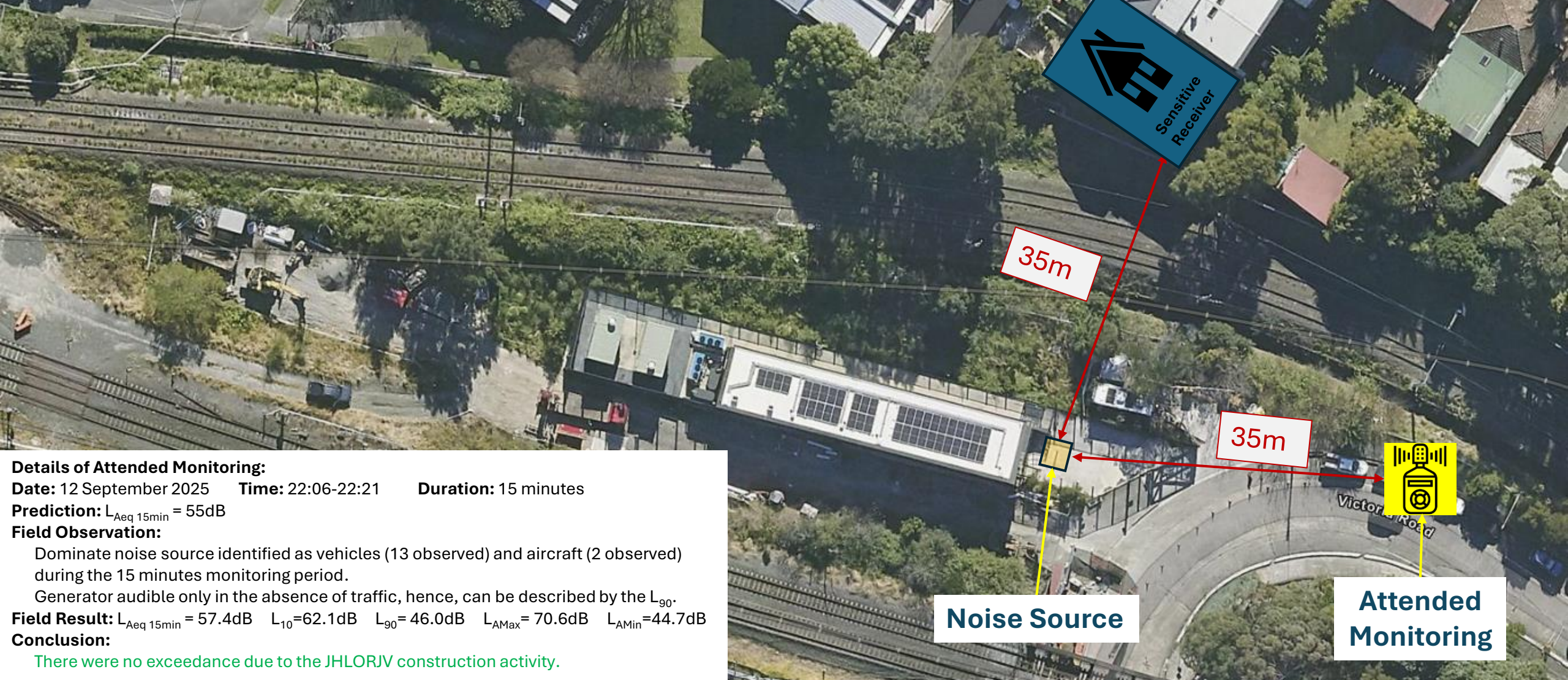
A copy of the community notification required under Condition L5.11 is appended as **Attachment 2**.

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

**WK/WE11** works noise monitoring was carried out at the following locations along the project corridor.



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR (m)	Source to Monitor (m)	Prediction @ SR (dB LAeq15min)	Predicted @ Monitor (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	Attended	NCA01 MA STATION MSB	20 Cavey Street	35	35	55	55	WE11	12/09/2025 to 16/09/2025	P1	Mon-Fri (1800-2200)	38	17	17	LB
NCA01	Attended	NCA01 MA STATION MSB	20 Cavey Street	35	35	55	55	WE11	12/09/2025 to 16/09/2025	P2	Mon-Fri (2200-0700)	33	22	22	M & RO
NCA01	Attended	NCA01 MA STATION MSB	20 Cavey Street	35	35	55	55	WE11	14/09/2025	P1	Sun/Pub Hol (0800-1800)	38	17	17	LB



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	Source to SR (m)	Source to Monitor (m)	Prediction @ SR (dB LAeq15min)	Predicted @ Monitor (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	Attended	NCA01 MA STATION Compound	20-22 Station Street	28	28	56	56	WE11	14/09/2025 & 15/09/2025	P1	Mon-Fri (1800-2200)	38	18	18	LB
NCA01	Attended	NCA01 MA STATION Compound	20-22 Station Street	28	28	56	56	WE11	14/09/2025 & 15/09/2025	P2	Mon-Fri (2200-0700)	33	23	23	M & RO
NCA01	Attended	NCA01 MA STATION Compound	20-22 Station Street	28	28	56	56	WE11	14/09/2025	P1	Sun/Pub Ho1 (0800-1800)	38	18	18	LB



Details of Attended Monitoring:

Date: 14 September 2025    Time: 22:39-22:54    Duration: 15 minutes

Prediction:  $L_{Aeq\ 15min} = 56dB$

Field Observation:

Dominate noise source identified as vehicles (47 observed) during the 15 minutes monitoring period.

Generator audible only in the absence of traffic, hence, can be described by the  $L_{90}$ .

Field Result:  $L_{Aeq\ 15min} = 55.5dB$      $L_{10} = 59.4dB$      $L_{90} = 48.2dB$      $L_{AMax} = 73.7dB$      $L_{AMin} = 46.4dB$

Conclusion:

There were no exceedance due to the JHLORJV construction activity.



NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR (m)	Source to Monitor (m)	Prediction @ SR (dB LAeq15min)	Predicted @ Monitor (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
	~1														
NCA02	Attended	NCA02 DH STATION MSB	71 Ewart Street	13	13	64	64	WE11	14/09/2025 & 15/09/2025	P1	Mon-Fri (1800-2200)	38	26	26	M & LB
NCA02	Attended	NCA02 DH STATION MSB	71 Ewart Street	13	13	64	64	WE11	14/09/2025 & 15/09/2025	P2	Mon-Fri (2200-0700)	33	31	31	RO, AA
NCA02	Attended	NCA02 DH STATION MSB	71 Ewart Street	13	13	64	64	WE11	14/09/2025	P1	Sun/Pub Hol (0800-1800)	38	26	26	M & LB



Details of Attended Monitoring:

Date: 14 September 2025    Time: 23:10-23:25    Duration: 15 minutes

Prediction:  $L_{Aeq\ 15min} = 64dB$

Field Observation:

Dominate noise source identified as vehicles (15 observed) and ARTC freight train (1 observed) during the 15 minutes monitoring period.

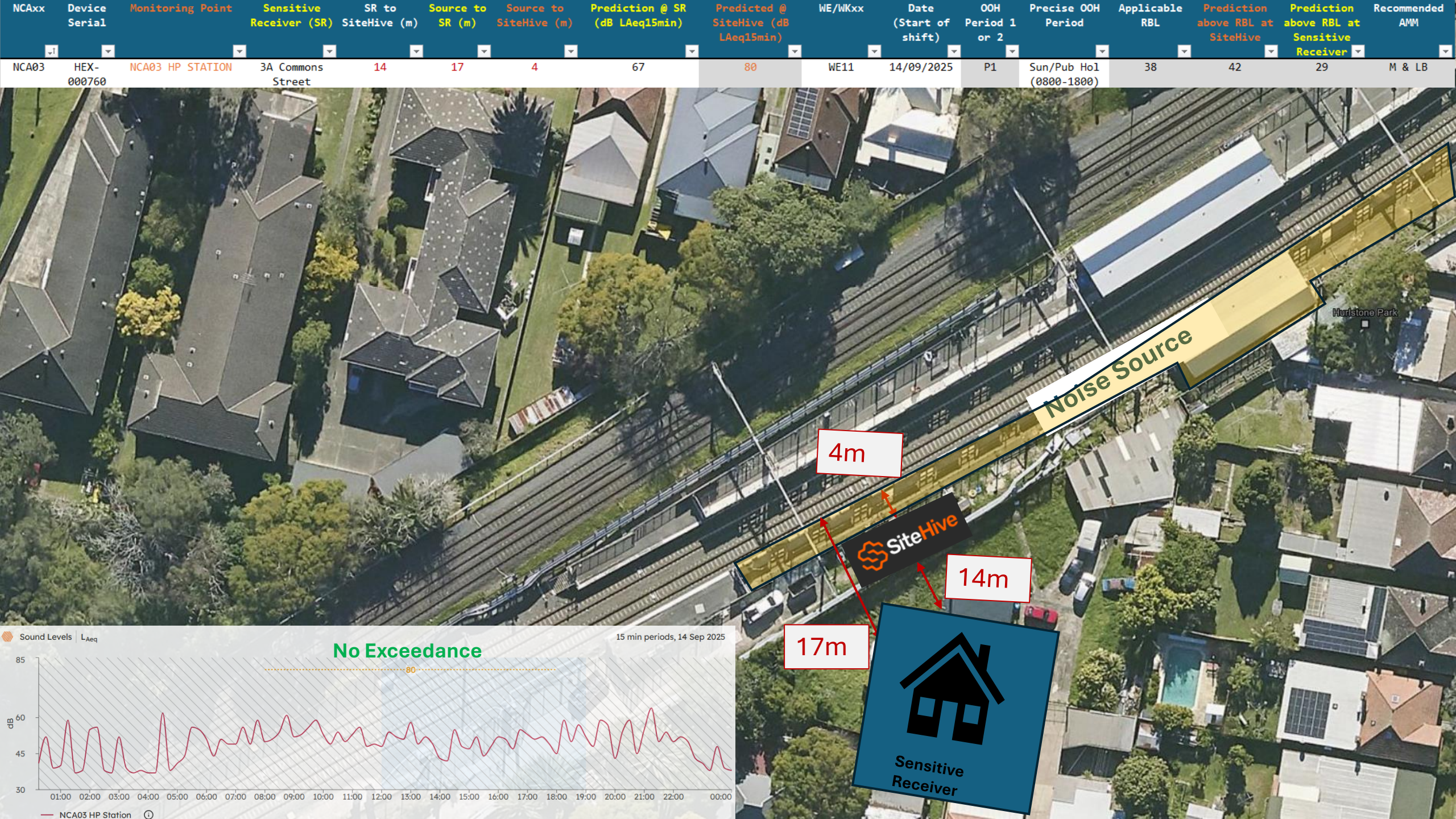
Generator audible only in the absence of traffic, hence, can be described by the  $L_{90}$ .

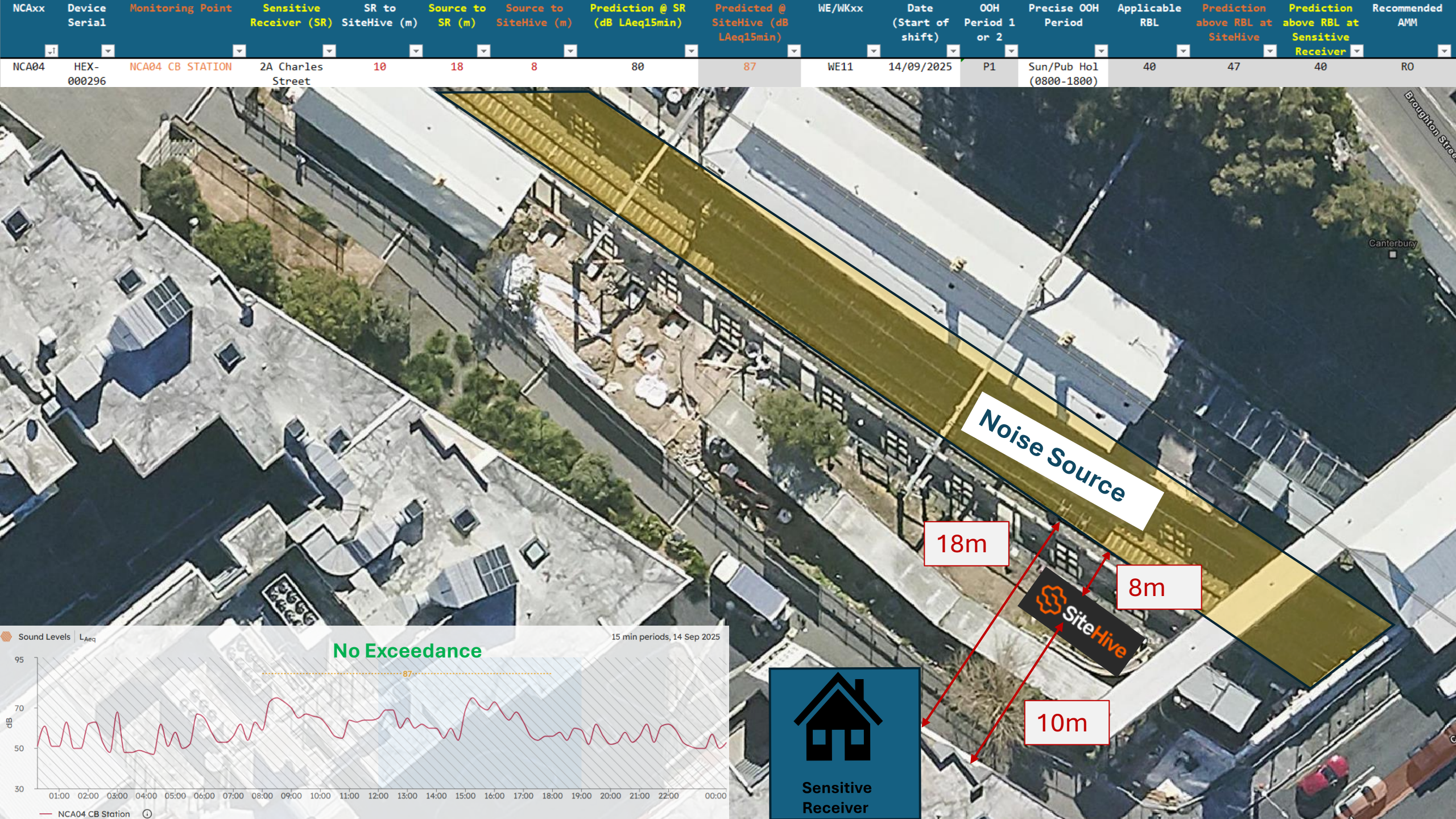
Field Result:  $L_{Aeq\ 15min} = 56.6dB$      $L_{10}=60.0dB$      $L_{90}= 46.1dB$      $L_{AMax}= 75.9dB$      $L_{AMin}=44.9dB$

Conclusion:

There were no exceedance due to the JHLORJV construction activity.







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
NCA06	HEX-000743	NCA06 CP STATION	13-15 Anglo Road	9	25	18	77	80	WE11	14/09/2025	P1	Sun/Pub Hol (0800-1800)	45	35	32	R0

Noise Source

Lilian Street

Sensitive Receiver

25m

18m

9m

SiteHive

Sound Levels L<sub>Aeq</sub>

No Exceedance

15 min periods, 14 Sep 2025

85

70

55

40

01:00

02:00

03:00

04:00

05:00

06:00

07:00

08:00

09:00

10:00

11:00

12:00

13:00

14:00

15:00

16:00

17:00

18:00

19:00

20:00

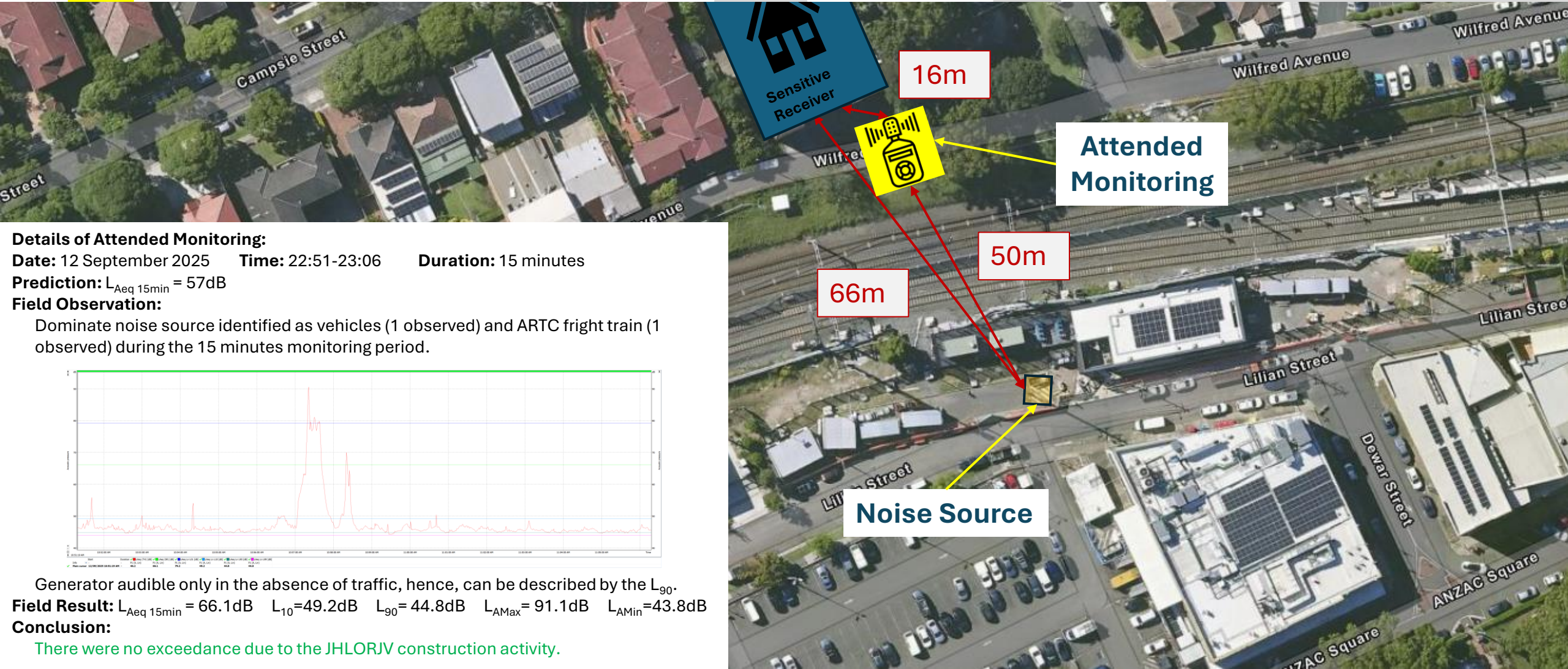
21:00

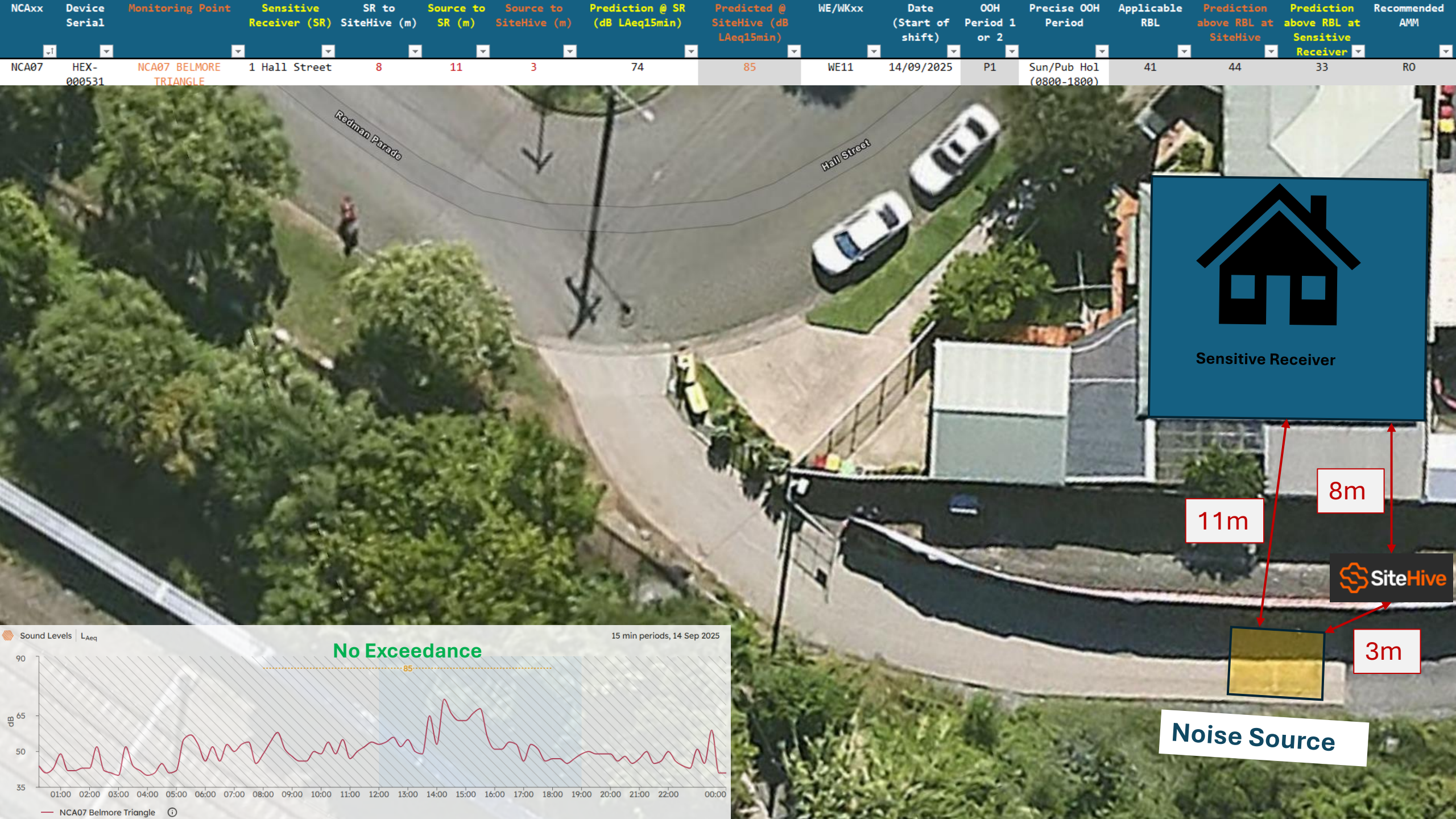
22:00

00:00

— NCA06 CP Station ⓘ

NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR (m)	Source to Monitor (m)	Prediction @ SR (dB LAeq15min)	Predicted @ Monitor (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
NCA06	Attended	NCA06 CP STATION MSB	32-34 Campsie Street	66	50	55	57	WE11	12/09/2025 to 16/09/2025	P1	Mon-Fri (1800-2200)	45	12	10	nil
NCA06	Attended	NCA06 CP STATION MSB	32-34 Campsie Street	66	50	55	57	WE11	12/09/2025 to 16/09/2025	P2	Mon-Fri (2200-0700)	35	22	20	LB, M
NCA06	Attended	NCA06 CP STATION MSB	32-34 Campsie Street	66	50	55	57	WE11	14/09/2025	P1	Sun/Pub Ho1 (0800-1800)	45	12	10	nil

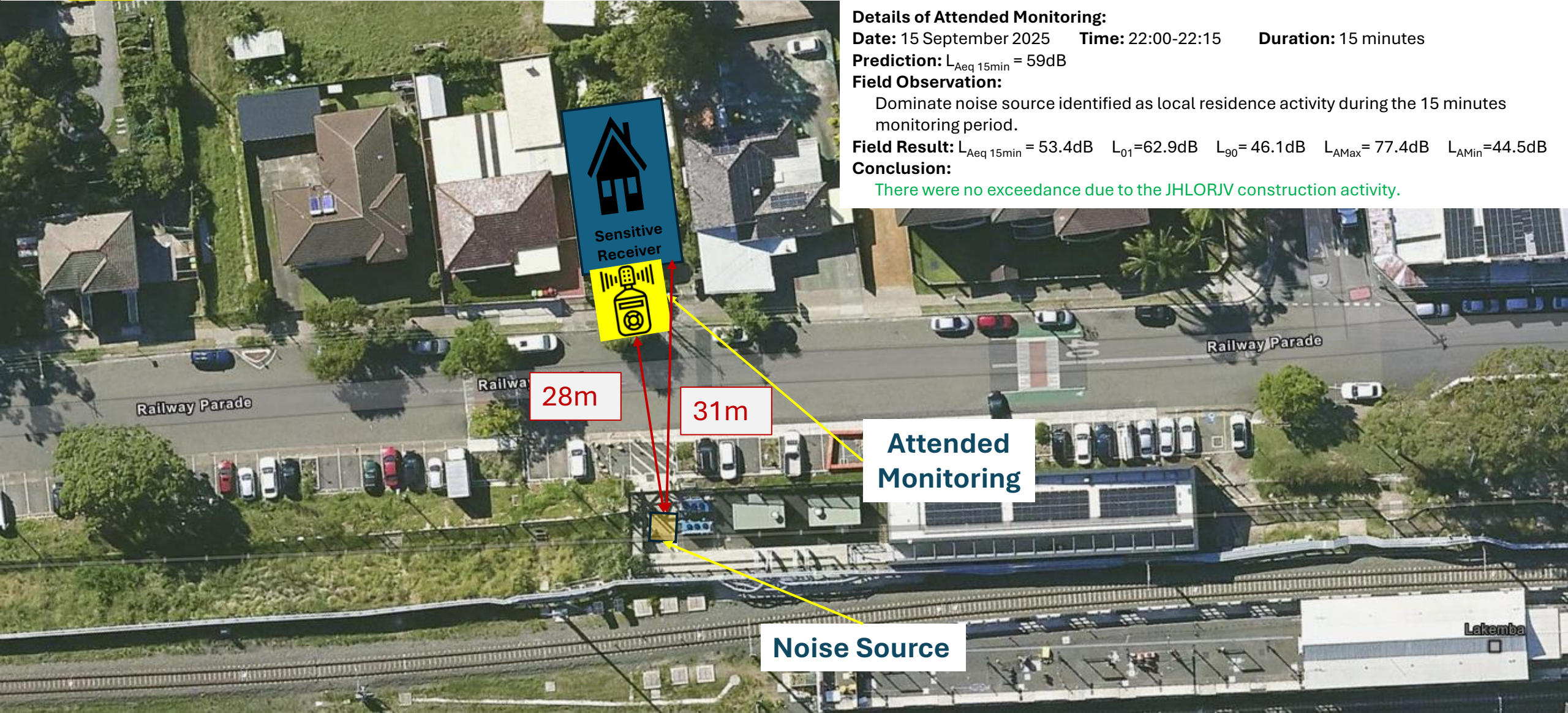




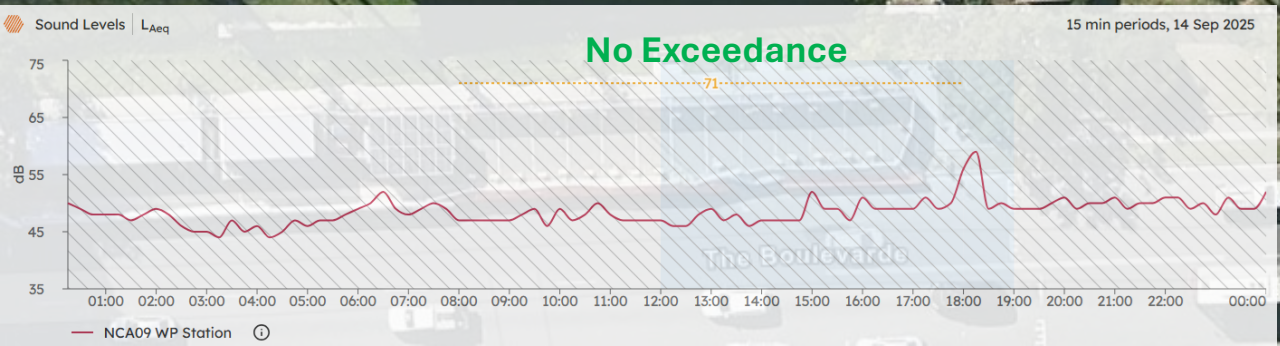
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA08	HEX-000758	NCA08 LKB STATION	15-19 Croydon Street	47	84	43	63	69	WE11	14/09/2025	P1	Sun/Pub Hol (0800-1800)	47	22	16	LB

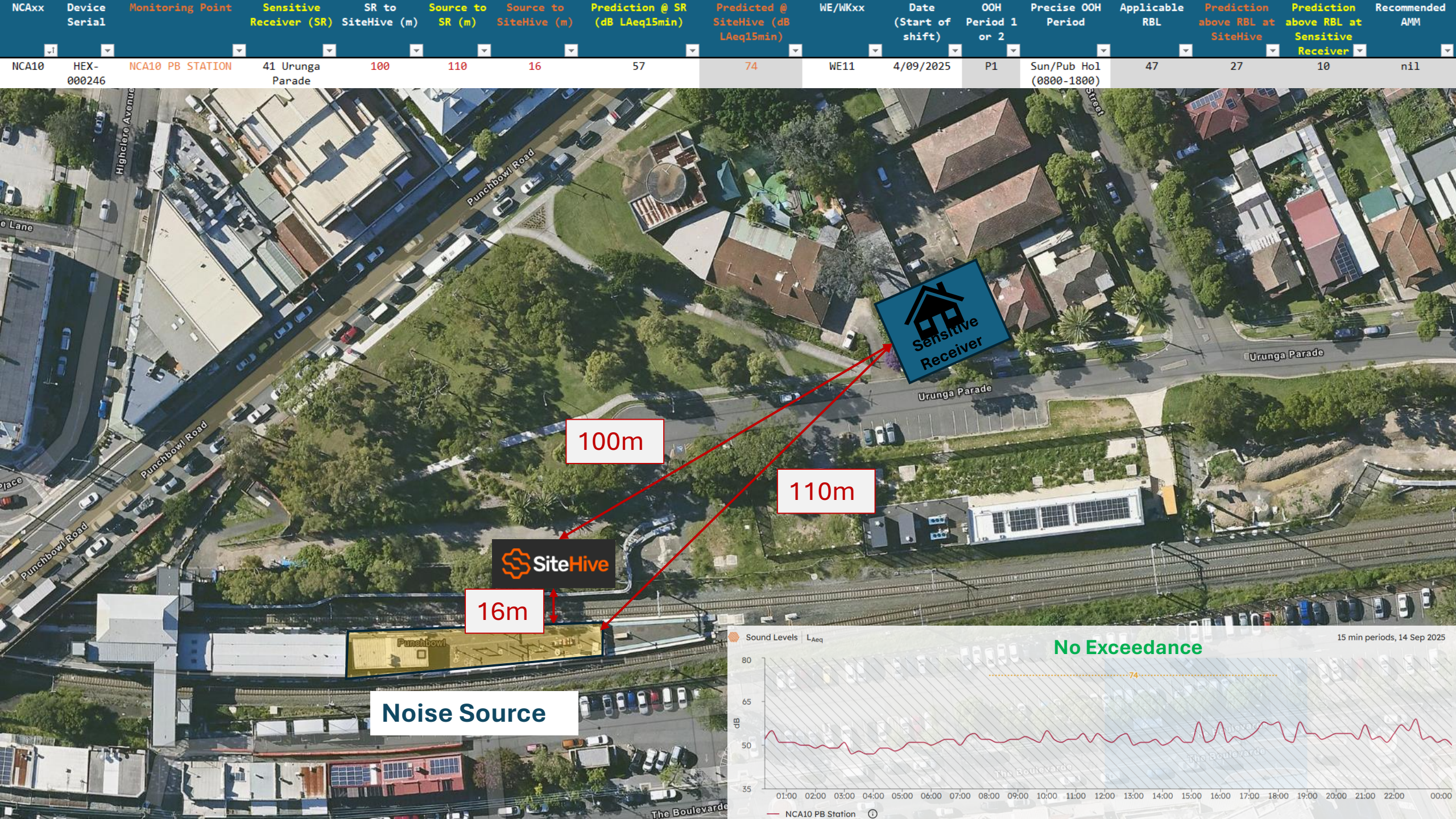


NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR (m)	Source to Monitor (m)	Prediction @ SR (dB LAeq15min)	Predicted @ Monitor (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
NCA08	Attended	NCA08 LKB STATION MSB	53 Railway Parade	31	28	58	59	WE11	15/09/2025 to 18/09/2025	P1	Mon-Fri (1800-2200)	47	12	11	LB
NCA08	Attended	NCA08 LKB STATION MSB	53 Railway Parade	31	28	58	59	WE11	15/09/2025 to 18/09/2025	P2	Mon-Fri (2200-0700)	41	18	17	LB, M

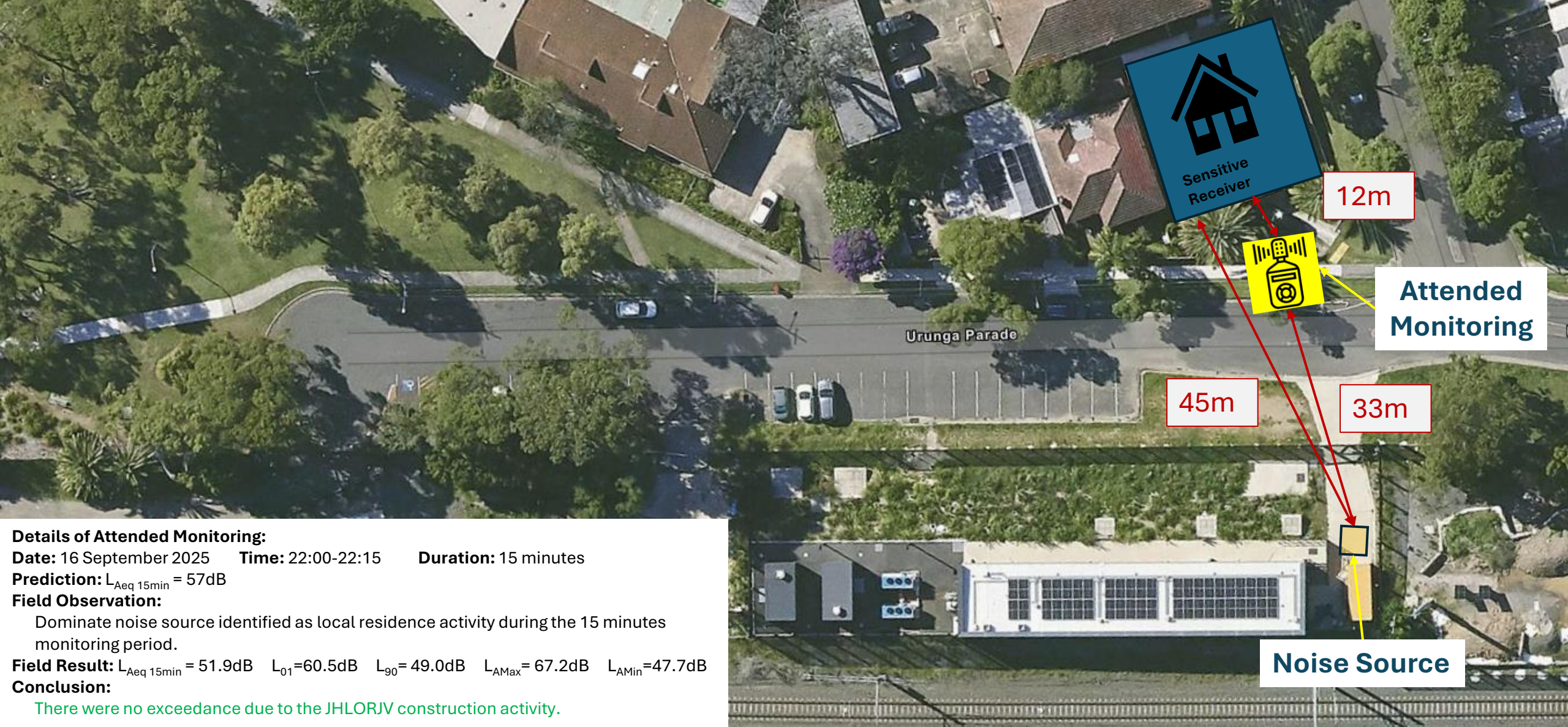


NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA09	HEX-000558	NCA09 WP STATION	1-3 Shadforth Street	16	24	8	61	71	WE11	14/09/2025	P1	Sun/Pub Ho1 (0800-1800)	44	27	17	LB





NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	Source to SR (m)	Source to Monitor (m)	Prediction @ SR (dB LAeq15min)	Predicted @ Monitor (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	Attended	NCA10 PB STATION MSB	40 Urunga Parade	45	33	54	57	WE11	16/09/2025 to 18/09/2025	P1	Mon-Fri (1800-2200)	47	10	7	nil
NCA10	Attended	NCA10 PB STATION MSB	40 Urunga Parade	45	33	54	57	WE11	16/09/2025 to 18/09/2025	P2	Mon-Fri (2200-0700)	41	16	13	LB, M



Details of Attended Monitoring:

Date: 16 September 2025    Time: 22:00-22:15    Duration: 15 minutes

Prediction:  $L_{Aeq\ 15min} = 57dB$

Field Observation:

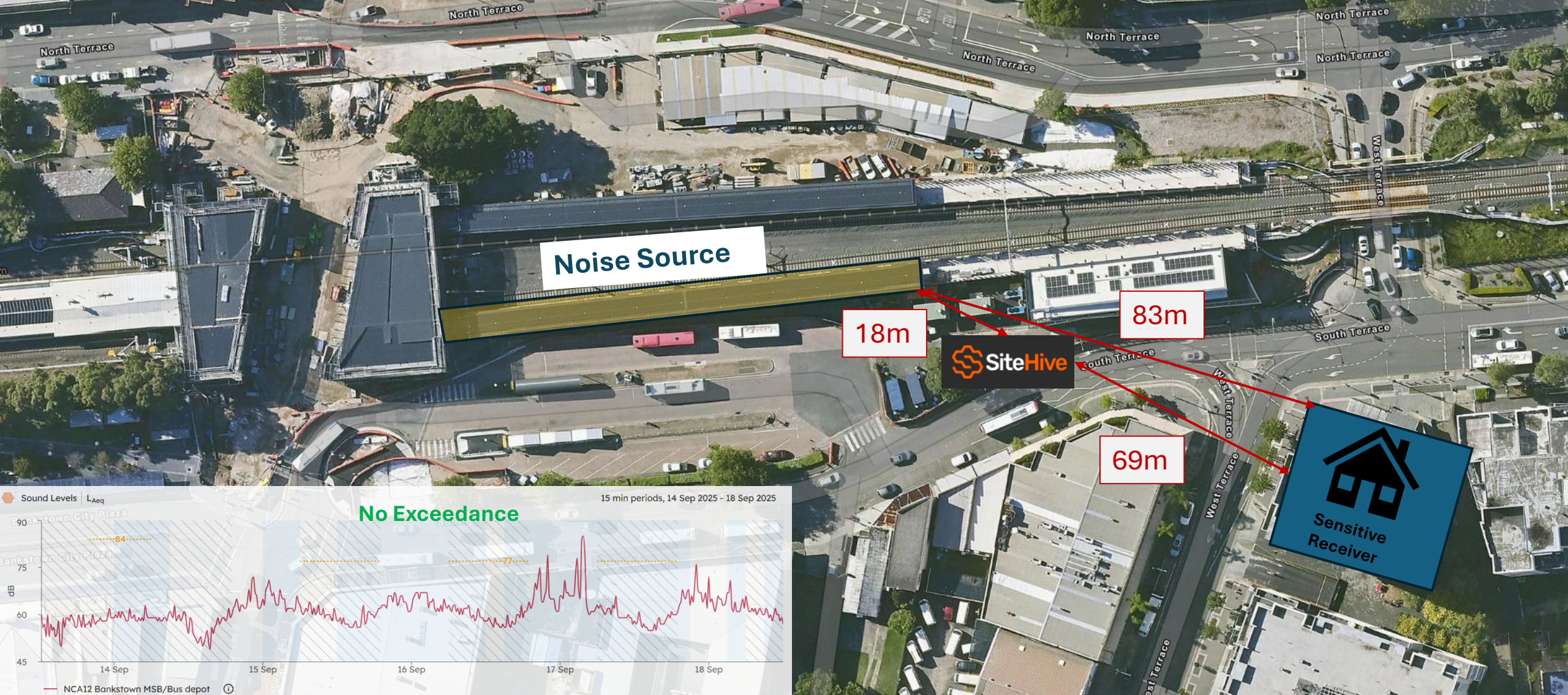
Dominate noise source identified as local residence activity during the 15 minutes monitoring period.

Field Result:  $L_{Aeq\ 15min} = 51.9dB$      $L_{01}=60.5dB$      $L_{90}= 49.0dB$      $L_{AMax}= 67.2dB$      $L_{AMin}=47.7dB$

Conclusion:

There were no exceedance due to the JHLORJV construction activity.

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	69	83	5	60	84	WE11	14/09/2025	P1	Sun/Pub Ho1 (0800-1800)	54	30	6	nil
NCA12	HEX-000618	NCA12 Bankstown MSB/Bus depot	2 West Terrace	69	63	5	55	77	WE11	15/09/2025 to 18/09/2025	P1	Mon-Fri (1800-2200)	54	23	1	nil
NCA12	HEX-000618	NCA12 Bankstown MSB/Bus depot	2 West Terrace	69	63	5	55	77	WE11	15/09/2025 to 18/09/2025	P2	Mon-Fri (2200-0700)	42	35	13	LB, M



**A. Details of any exceedances of predicted noise levels;**

There was 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 for the carrying out of works outside of standard construction hours in L5.1.**

The works carried out on WK/WE11 (12<sup>th</sup> September 1800 to 19<sup>th</sup> September 0700) 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.

All feasible and reasonable at-source noise controls were implemented 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 WE12

R4.4 Sydney Metro Possession (WE12, 21 September 2025)

#### Document and Revision History

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

#### Revisions

Revision	Date	Description	Prepared by	Reviewed by
01	29/09/2025	Prepared for R4.4	Ted Zhang	Lucas Dobrolot

#### Management reviews

Review date	Details	Reviewed by

Controlled: NO Copy no.: Uncontrolled: YES

Table of Contents

**Introduction .....3**

**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: .....3**

1. Confirmation that the equipment used to undertake the works was as specified in the relevant Construction Noise and Vibration Impact Assessment for the worksite .....3

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 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 21<sup>st</sup> September 0800 to 1800 in Weekend 12 (WE12) across the corridor and stations, noise activities:

### Low Impact Works (L5.1)

- Site access 0600 to 0800 Saturday & Sunday (pre-start, vehicle movement, set up, some low impact work)
- Vegetation removal and maintenance
- Track & OHW Works investigation;
- Station Works (refresh);
- Protection Screen Door (PSD) & Mechanical Gap Filler (MGF) Testing Works
- Testing and commissioning equipment
- Railway signaling and train control system inspection & test support/adjustment works

### Possession Works (L5.5)

- Station Platform Concrete Grinding
- Vegetation Clearing
- Anti-throw Screen installation
- Industrial painting
- Tiling & Glazing installation
- Track Access and Laydown
- Track Resurfacing - Tamping and Regulating
- Adjustment Welding

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

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 for the worksite**

The assessment prepared for the works included modelling for the following plant and equipment:

- Station Platform Concrete Grinding
  - Powered hand tool
  - Generator
- Vegetation Clearing
  - Powered hand tool
- Anti-throw Screen installation
  - Powered hand tool
  - Hi-rail EWP
- Track Works
  - Powered hand tool
  - Hi-rail Excavator
  - Sennebogen
  - Track Welding Kit
  - Track Profile Grinder

- 
- Hi rail EWP
  - Tamper
  - Regulator
  - Station Works
    - Powered hand tool
    - Hi-rail EWP
    - Excavators with hammer attachments
    - Hydremas/Mini hydremas
    - Generators
  - Track Access and Laydown
    - Hi-rail Excavator
    - Hi-rail EWP
    - Hydremas/Mini hydremas
    - Light Tower

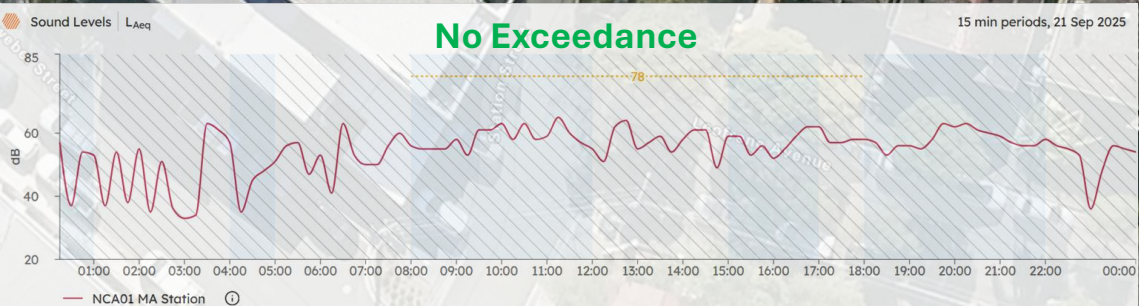
## 2. A copy of the community notification required under Condition L5.11

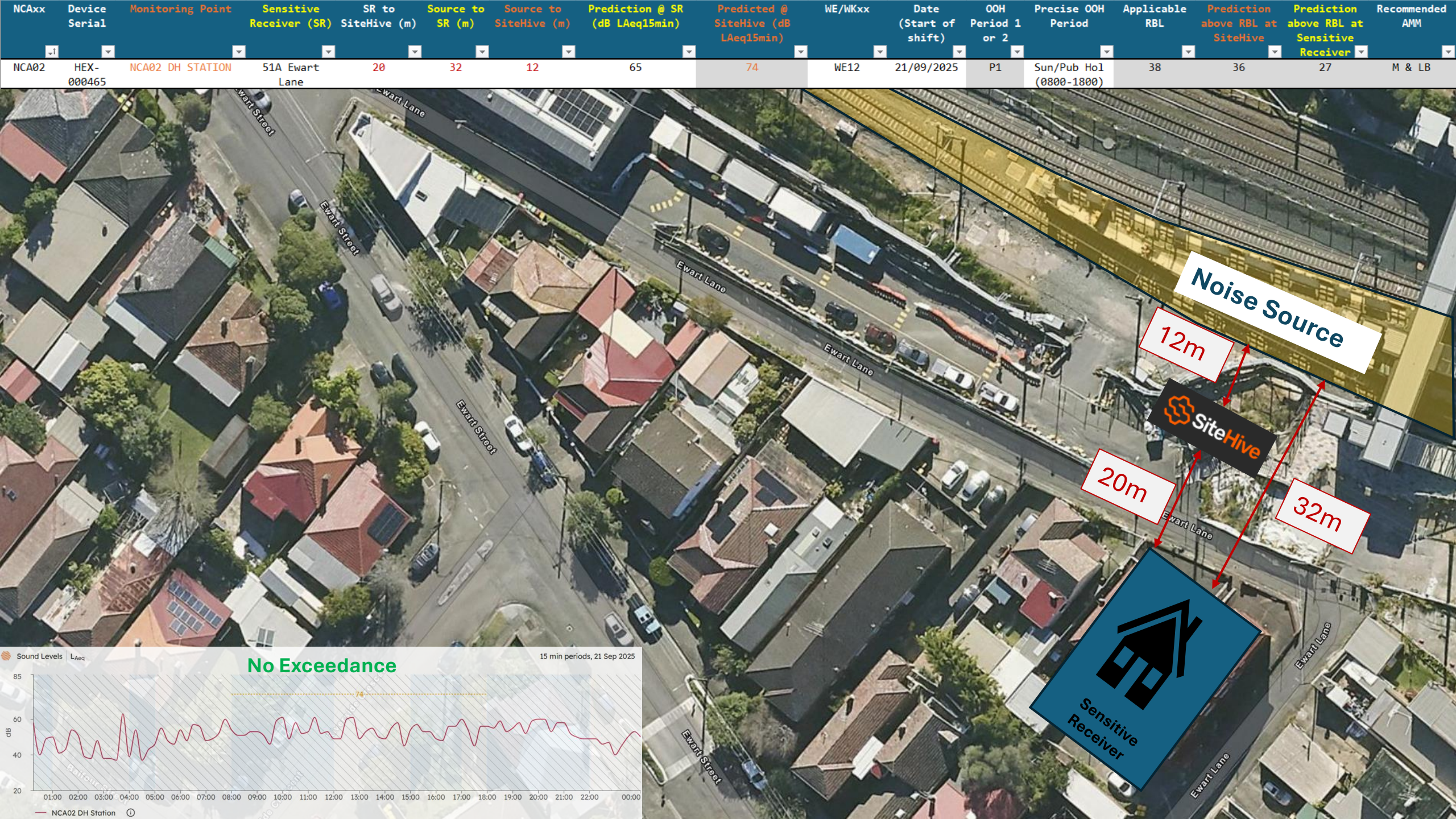
A copy of the community notification required under Condition L5.11 is appended as **Attachment 2**.

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

**WE12** 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	5	8	3	69	78	WE12	21/09/2025	P1	Sun/Pub Ho1 (0800-1800)	38	40	31	RO

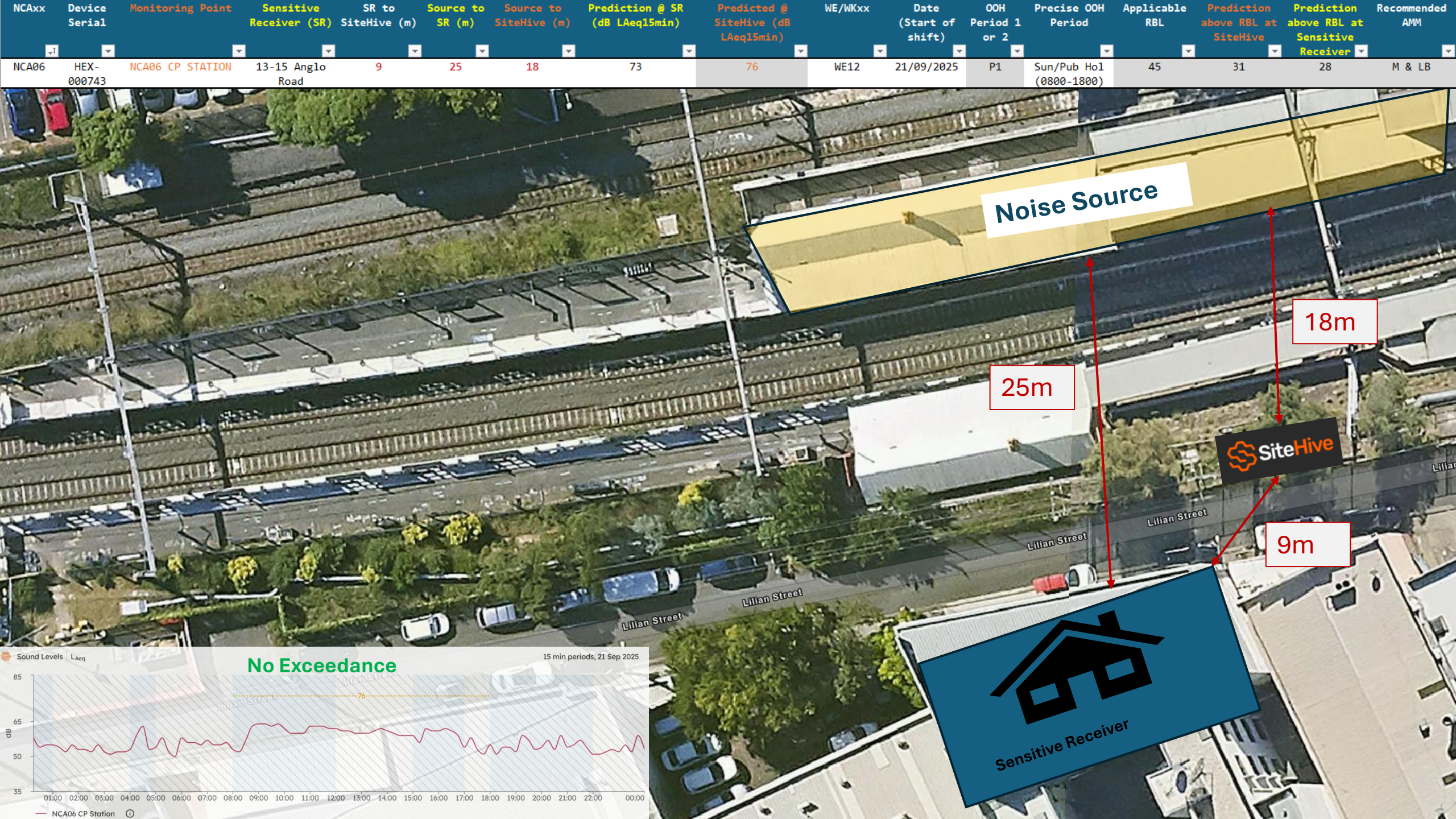


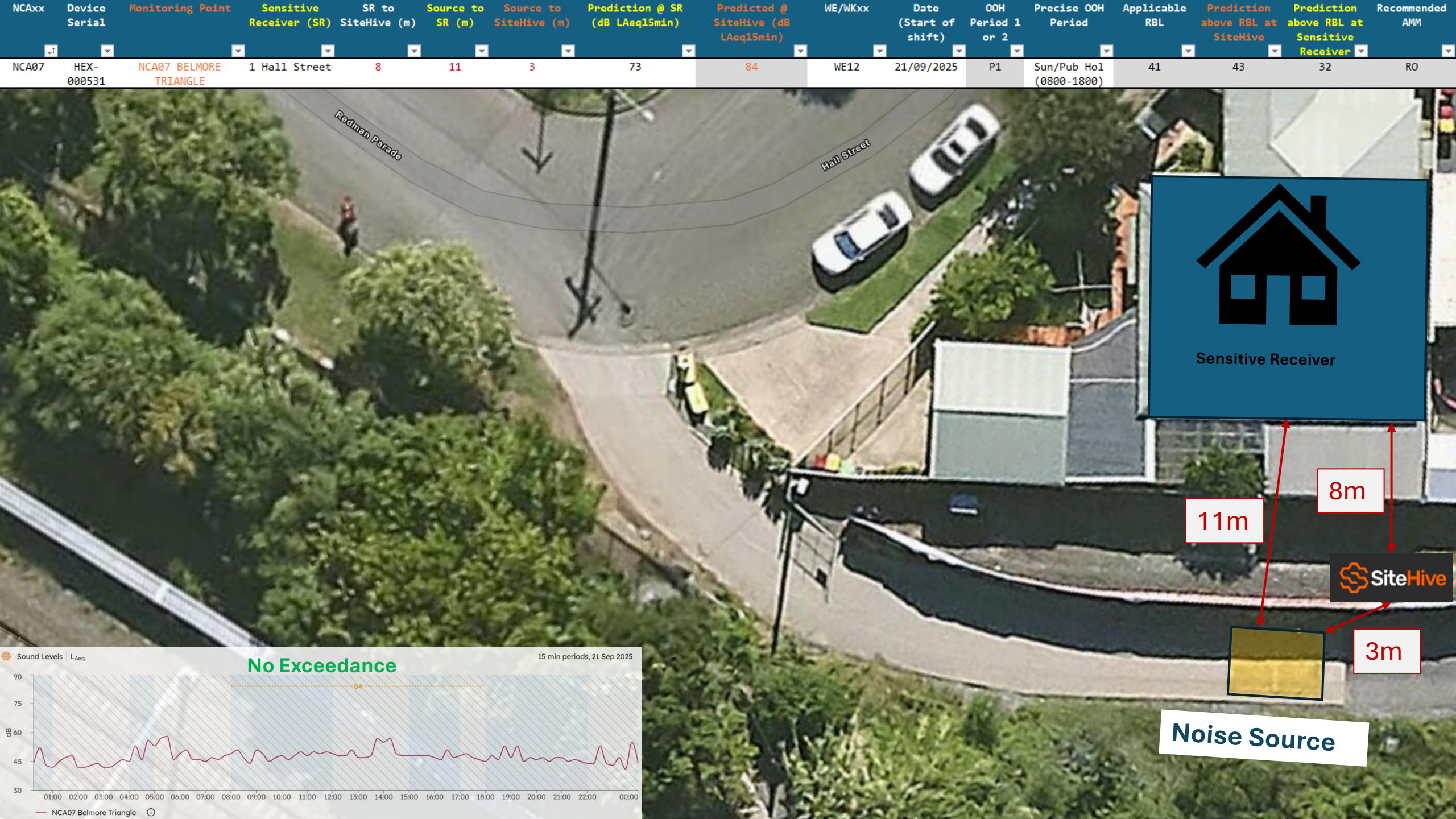




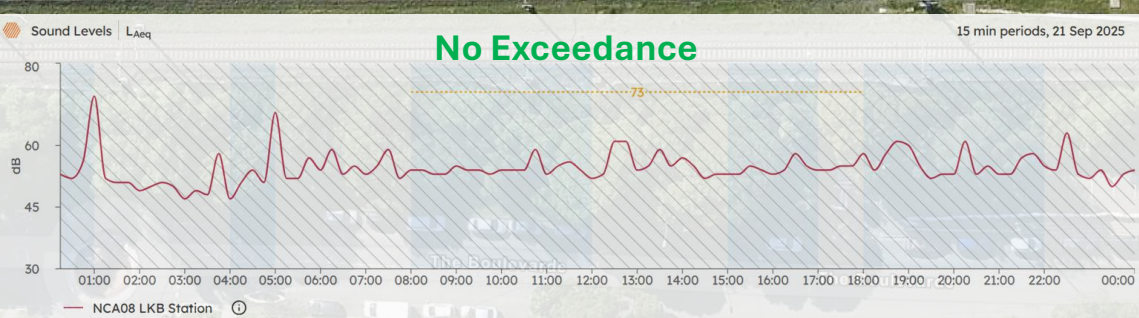




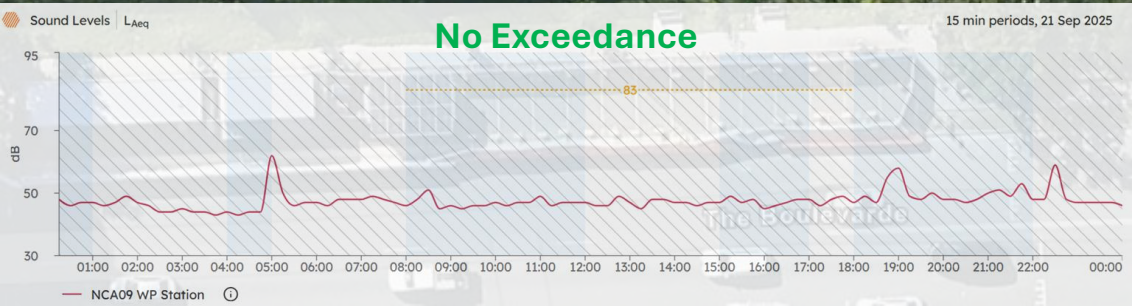
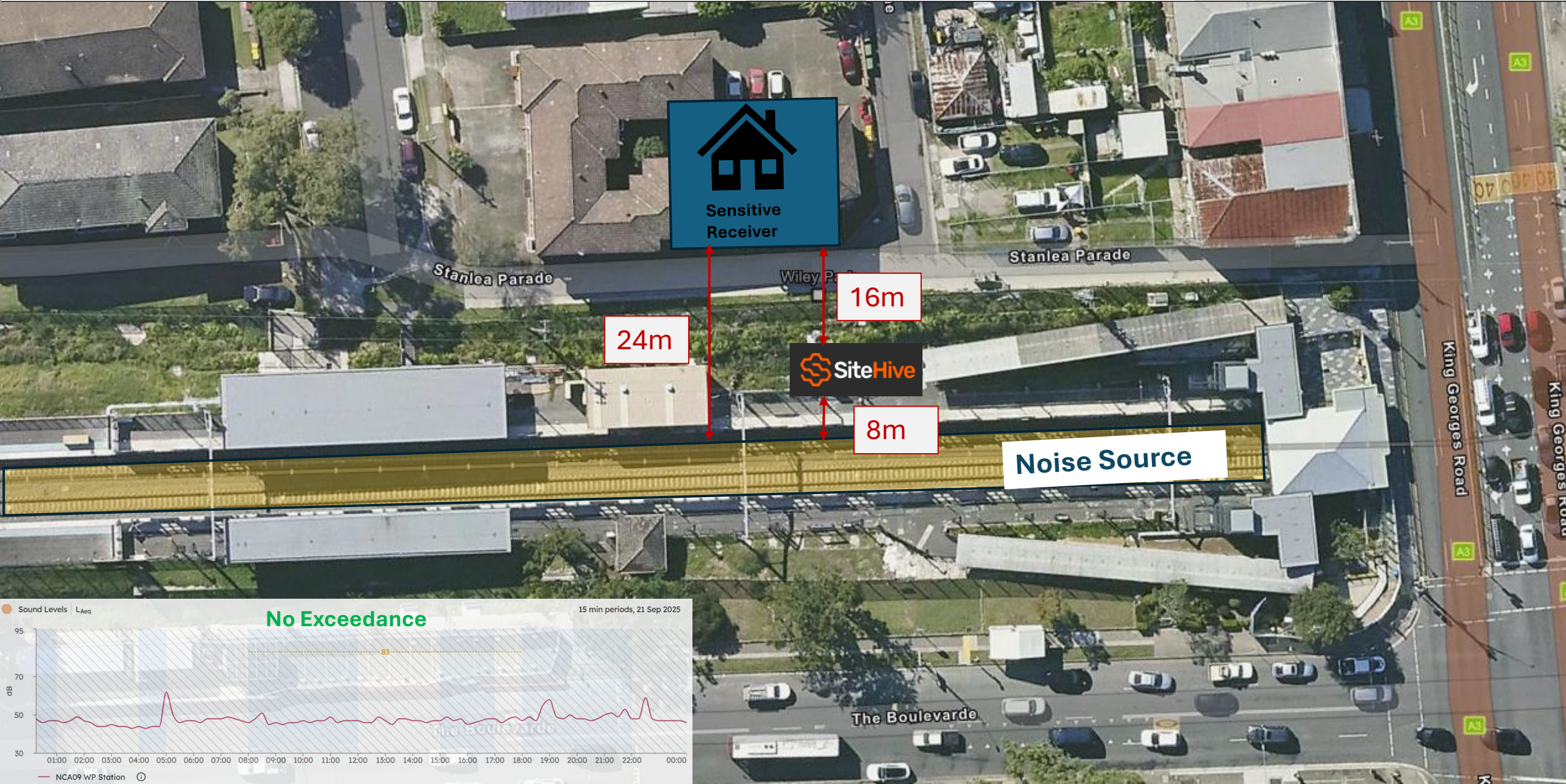




NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA08	HEX-000758	NCA08 LKB STATION	15-19 Croydon Street	47	84	43	67	73	WE12	21/09/2025	P1	Sun/Pub Ho1 (0800-1800)	47	26	20	LB



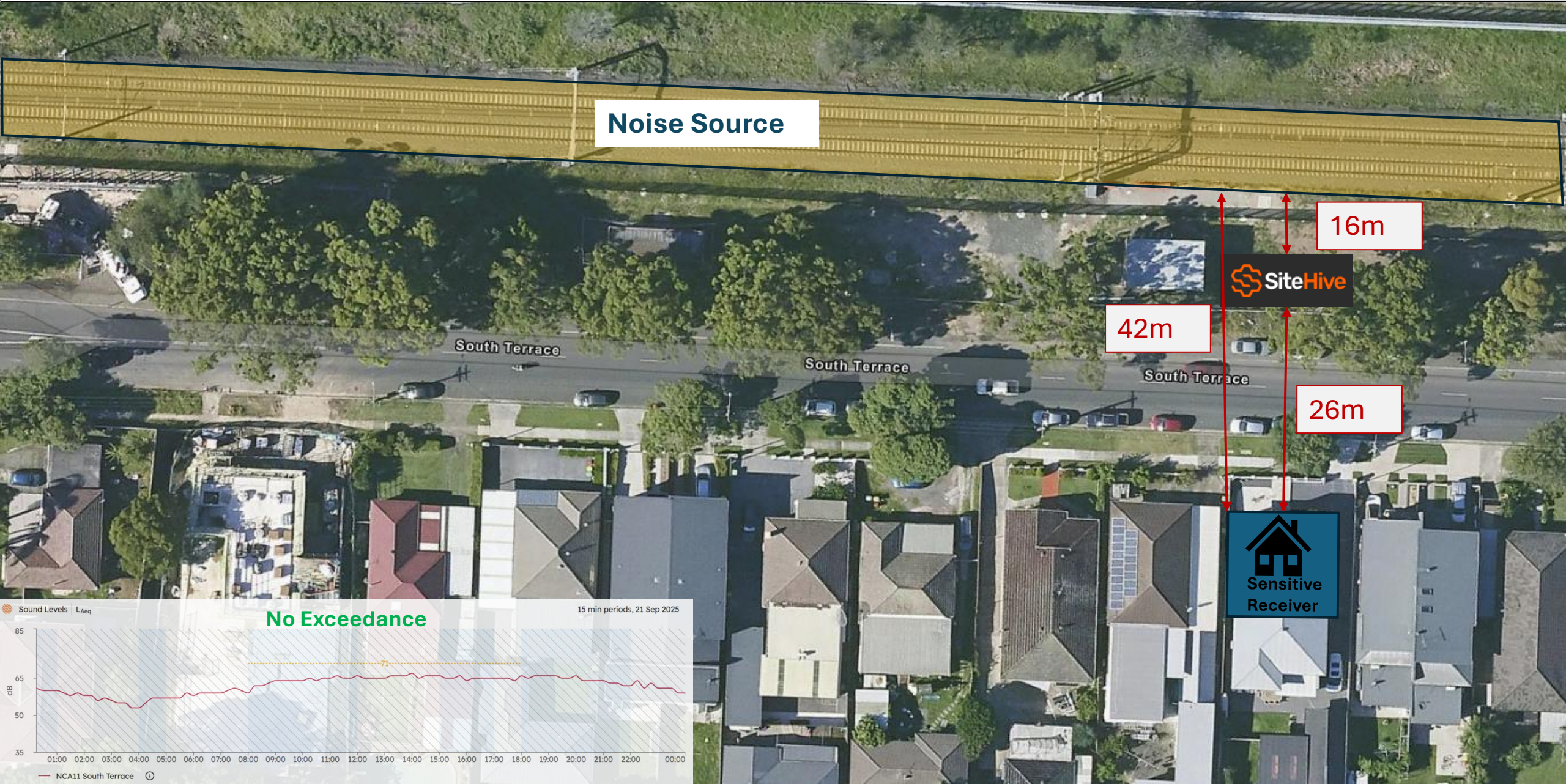
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA09	HEX-000558	NCA09 WP STATION	1-3 Shadforth Street	16	24	8	73	83	WE12	21/09/2025	P1	Sun/Pub Ho1 (0800-1800)	44	39	29	M & LB



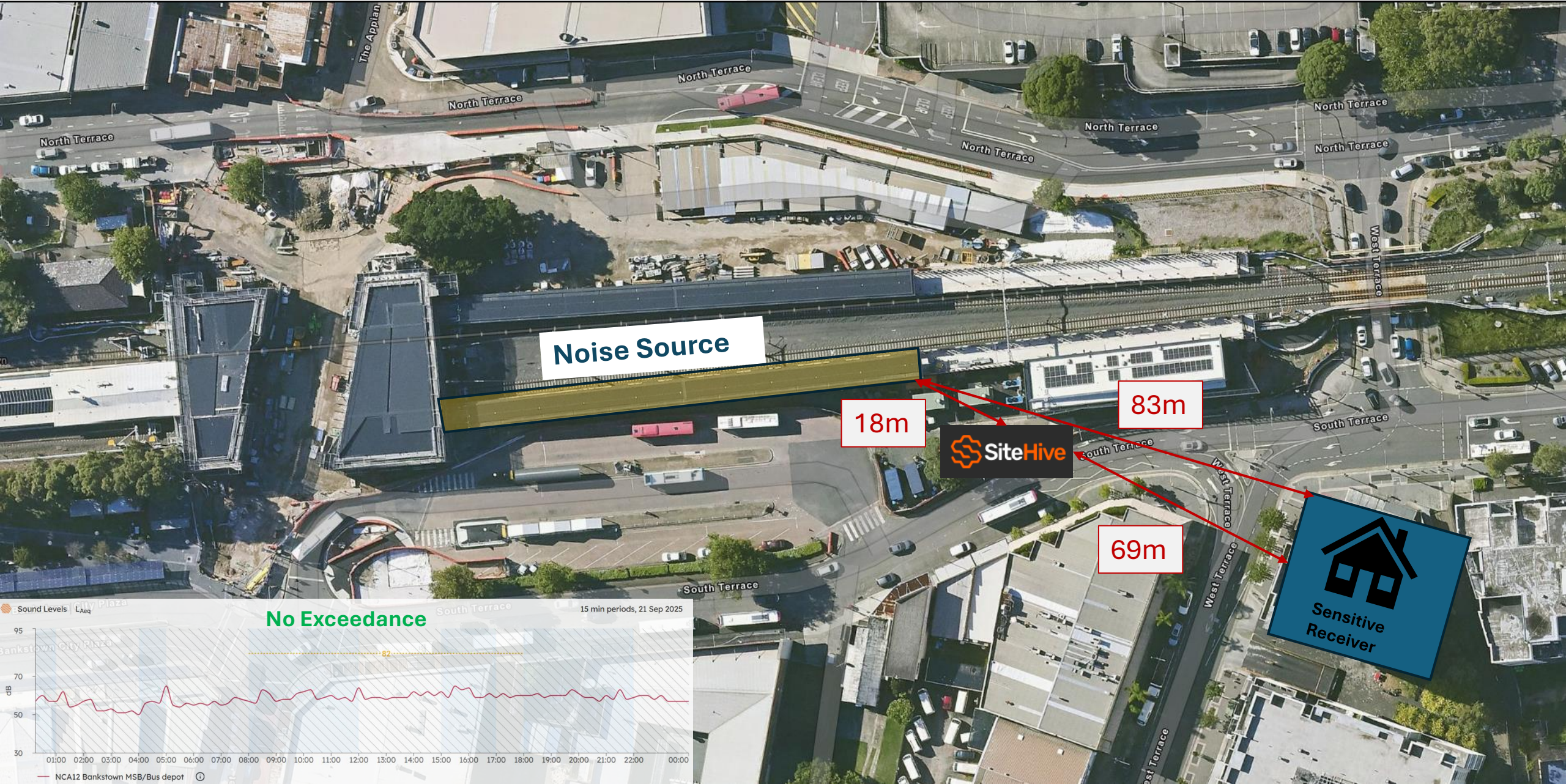
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA10	HEX-000246	NCA10 PB STATION	41 Urunga Parade	100	110	16	69	86	WE12	21/09/2025	P1	Sun/Pub Ho1 (0800-1800)	47	39	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 @ 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
NCA11	HEX-000630	NCA10 South Terrace	90 South Terrace	26	42	16	63	71	WE12	19/09/2025	P2	Mon-Fri (2200-0700)	39	32	24	M & 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
NCA12	HEX-000618	NCA12 Bankstown MSB/Bus depot	2 West Terrace	69	83	18	69	82	WE12	21/09/2025	P1	Sun/Pub Ho1 (0800-1800)	54	28	15	LB



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**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 for the carrying out of works outside of standard construction hours in L5.1.**

The works carried out on WE12 (21<sup>st</sup> September 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.

All feasible and reasonable at-source noise controls were implemented 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 WE10

R4.4 Sydney Metro Possession (WE13, 28 September 2025)

#### Document and Revision History

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

#### Revisions

Revision	Date	Description	Prepared by	Reviewed by
01	30/09/2025	Prepared for R4.4	Ted Zhang	Lucas Dobrolot

#### Management reviews

Review date	Details	Reviewed by

Controlled: NO Copy no.: Uncontrolled: YES

Table of Contents

**Introduction .....3**

**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: .....3**

1. Confirmation that the equipment used to undertake the works was as specified in the relevant Construction Noise and Vibration Impact Assessment for the worksite .....3

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 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 28<sup>th</sup> September 0800 to 1800 in Weekend 13 (WE13) across the corridor and stations, noise activities:

### Low Impact Works (L5.1)

- Site access 0600 to 0800 Saturday & Sunday (pre-start, vehicle movement, set up, some low impact work)
- Vegetation removal and maintenance
- OHW Works investigation;
- Track Survey
- Station Works (refresh);
- Protection Screen Door (PSD) & Mechanical Gap Filler (MGF) Testing Works
- Testing and commissioning equipment

### Possession Works (L5.5)

- Platform finishes
- Vegetation clearing
- CSR screen installation
- Industrial painting
- Bridge Inspection
- Tiling & Glazing installation
- Track Access and Laydown
- Removal of HV poles and Aerials

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

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:

- Track Works/OHW
  - Powered hand tool
  - Hi-rail Excavator
  - Sennebogen
  - Track Welding Kit
  - Track Profile Grinder
  - Hi rail EWP
- Station Works
  - Powered hand tool
  - Generators
- PSD & MGF Testing and commissioning works
  - Hand tool
- Track Access and Laydown

- 
- Hi-rail Excavator
  - Hi-rail EWP
  - Hydremas/Mini hydremas
  - Removal of HV poles and Aerials
    - Sennebogen
    - Hi-rail EWP
    - Hydremas/Mini hydremas
    - Chainsaw
    - Powered hand tool

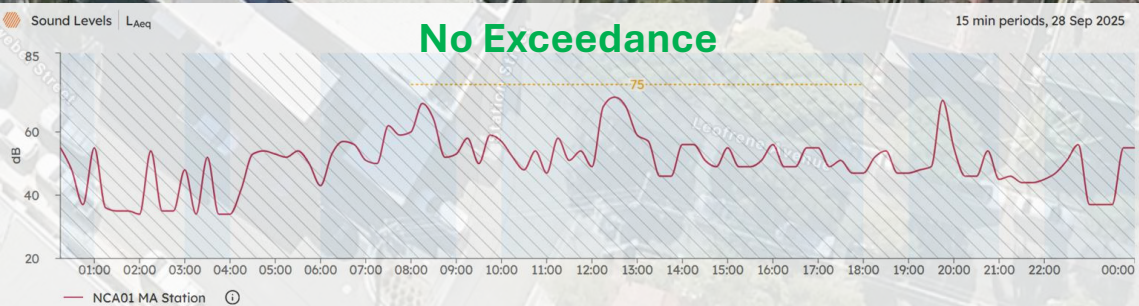
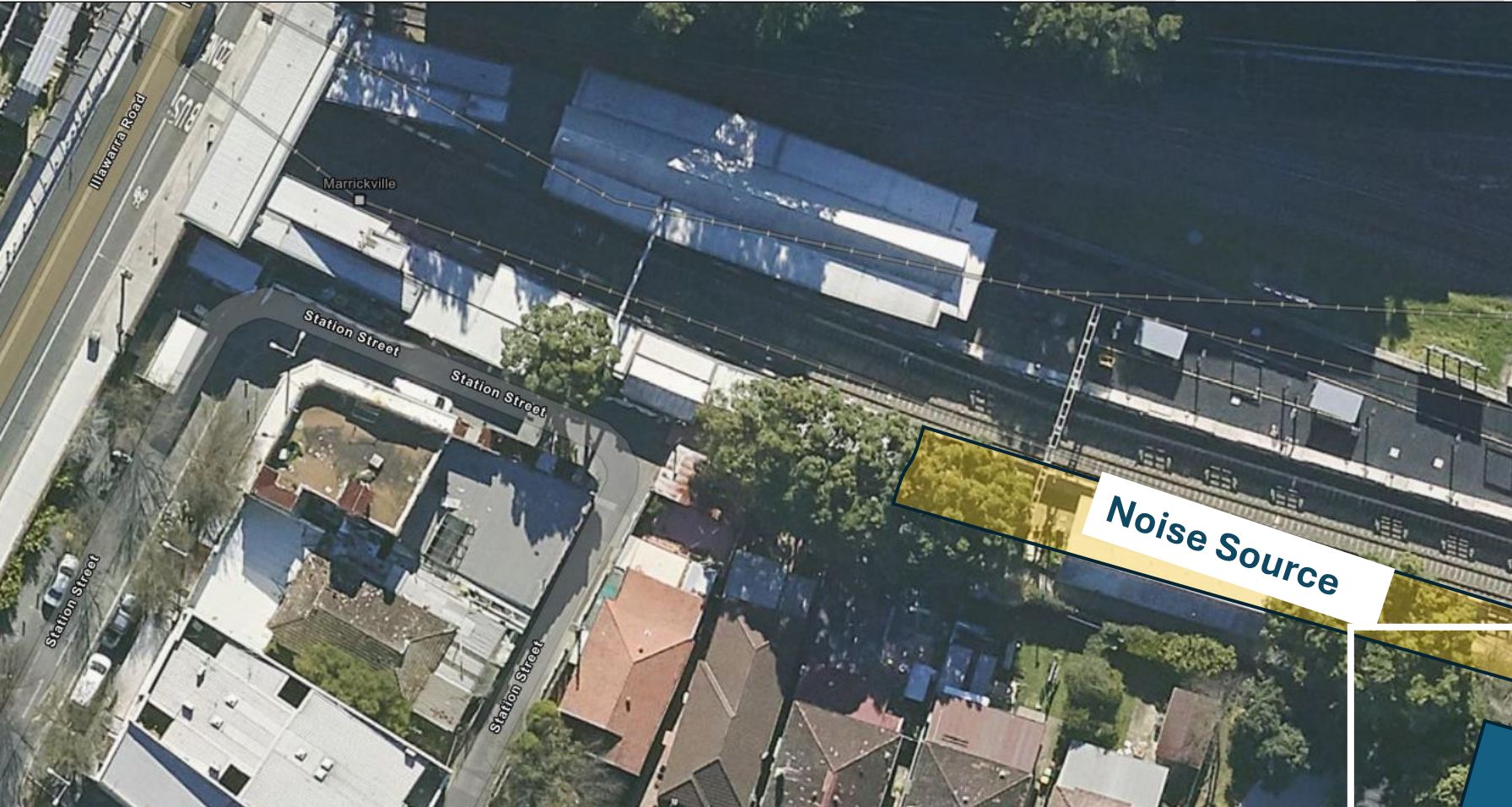
**2. A copy of the community notification required under Condition L5.11**

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)**

**WE13** 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	61	75	WE13	28/09/2025	P1	Sun/Pub Hol (0800-1800)	38	37	23	M & LB



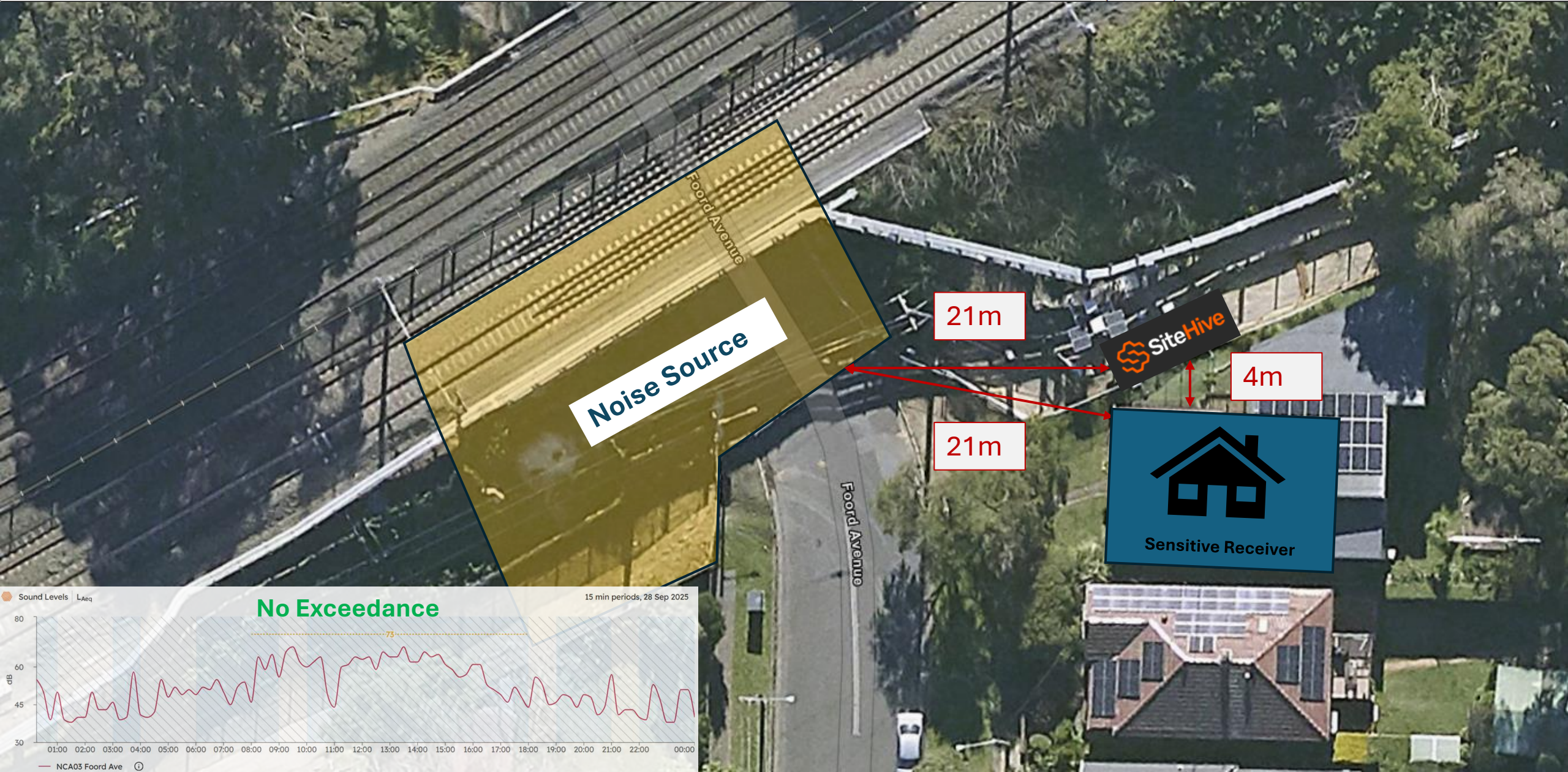
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NCA02	HEX-000465	NCA02 DH STATION	51A Ewart Lane	20	32	12	68	77	WE13	28/09/2025	P1	Sun/Pub Ho1 (0800-1800)	38	39	30	M & LB



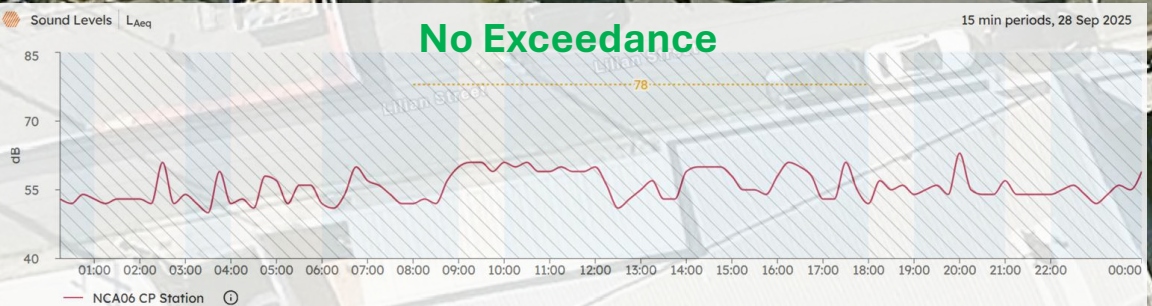
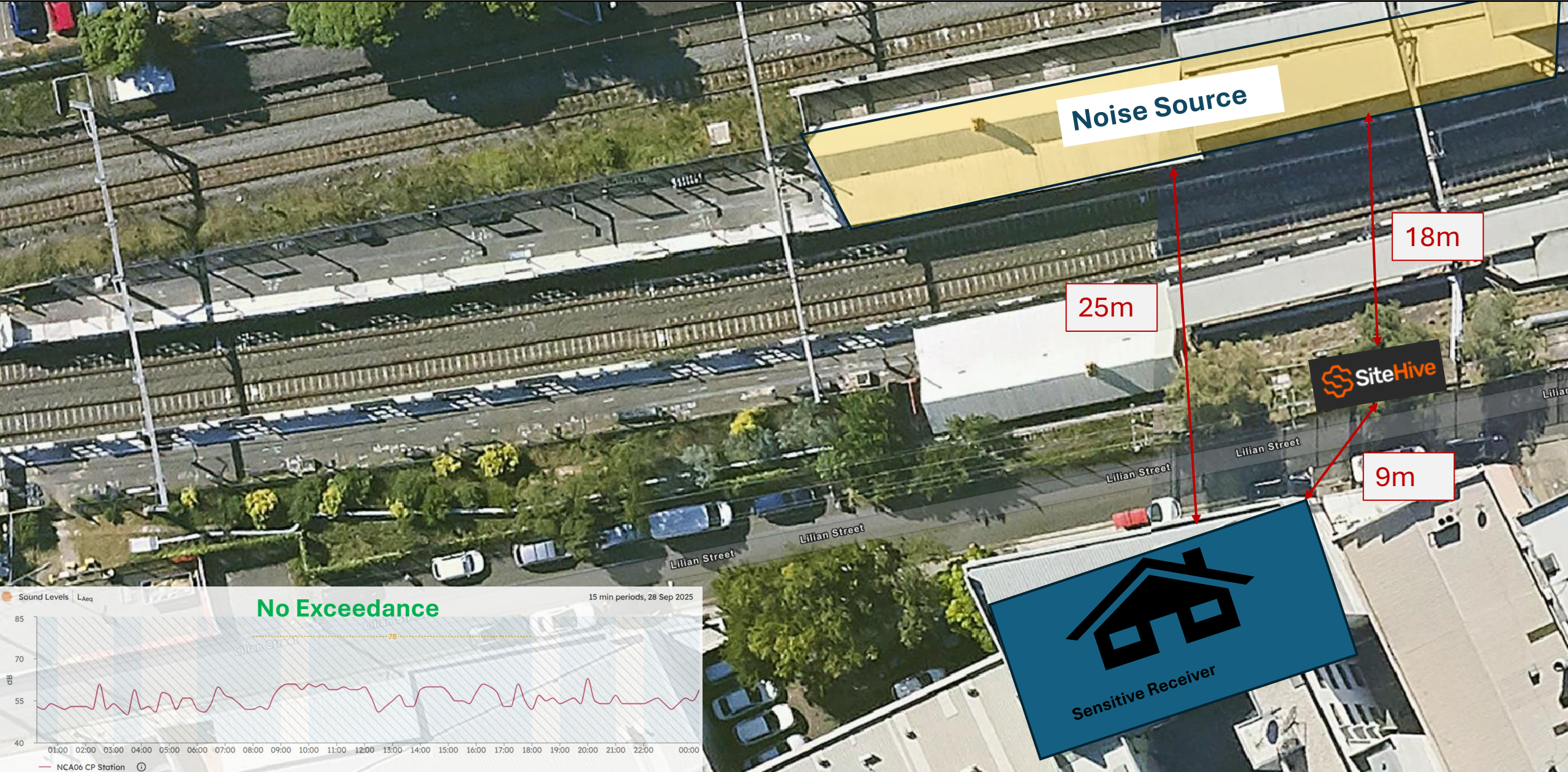
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA02	HEX-000631	NCA02 EWART	73 Ewart Street	11	22	9	68	76	WE13	28/09/2025	P1	Sun/Pub Ho1 (0800-1800)	38	38	30	M & LB



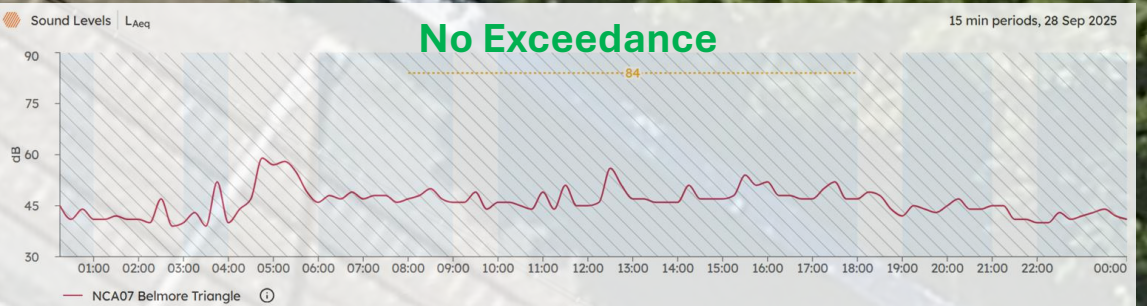
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NCA03	HEX-000760	NCA03 Foord Ave	5 Foord Avenue	4	21	21	73	73	WE13	28/09/2025	P1	Sun/Pub Ho1 (0800-1800)	38	35	35	RO



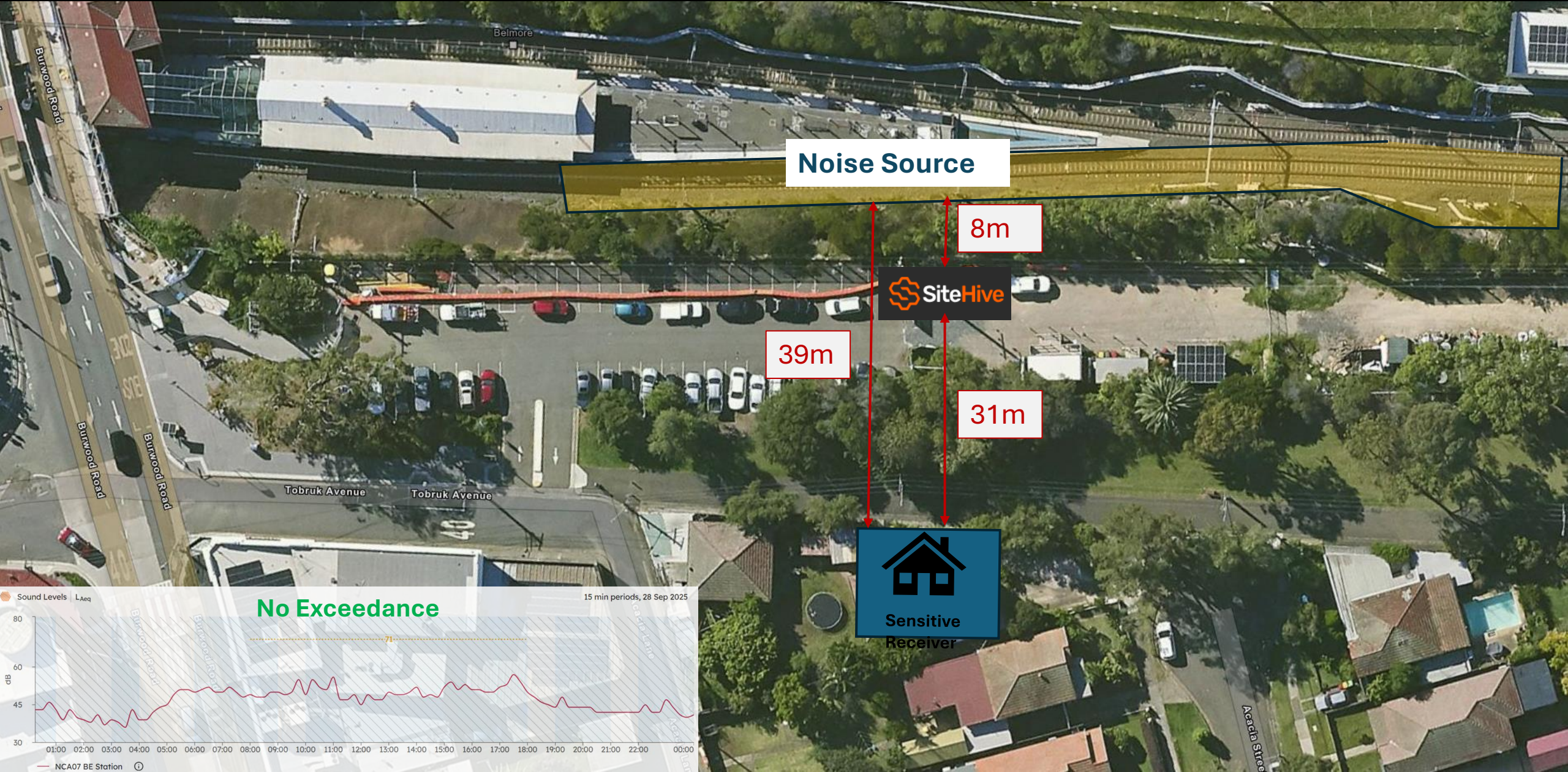
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NCA06	HEX-000743	NCA06 CP STATION	13-15 Anglo Road	9	25	18	75	78	WE13	28/09/2025	P1	Sun/Pub Hol (0800-1800)	45	33	30	M & LB



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
NCA07	HEX-000531	NCA07 BELMORE TRIANGLE	1 Hall Street	8	11	3	73	84	WE13	28/09/2025	P1	Sun/Pub Ho1 (0800-1800)	41	43	32	RO



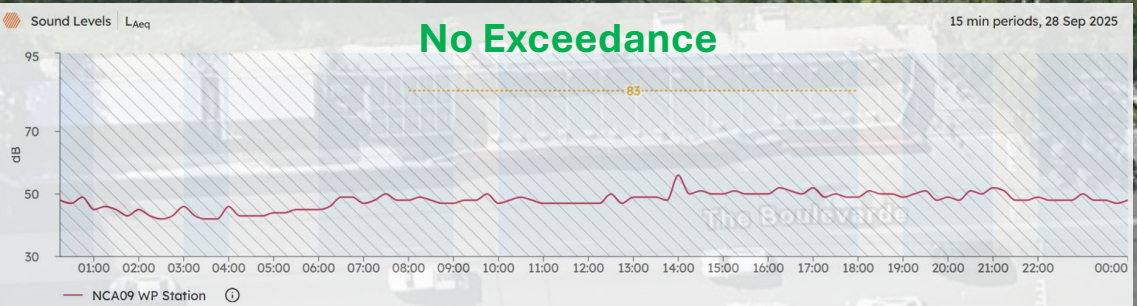
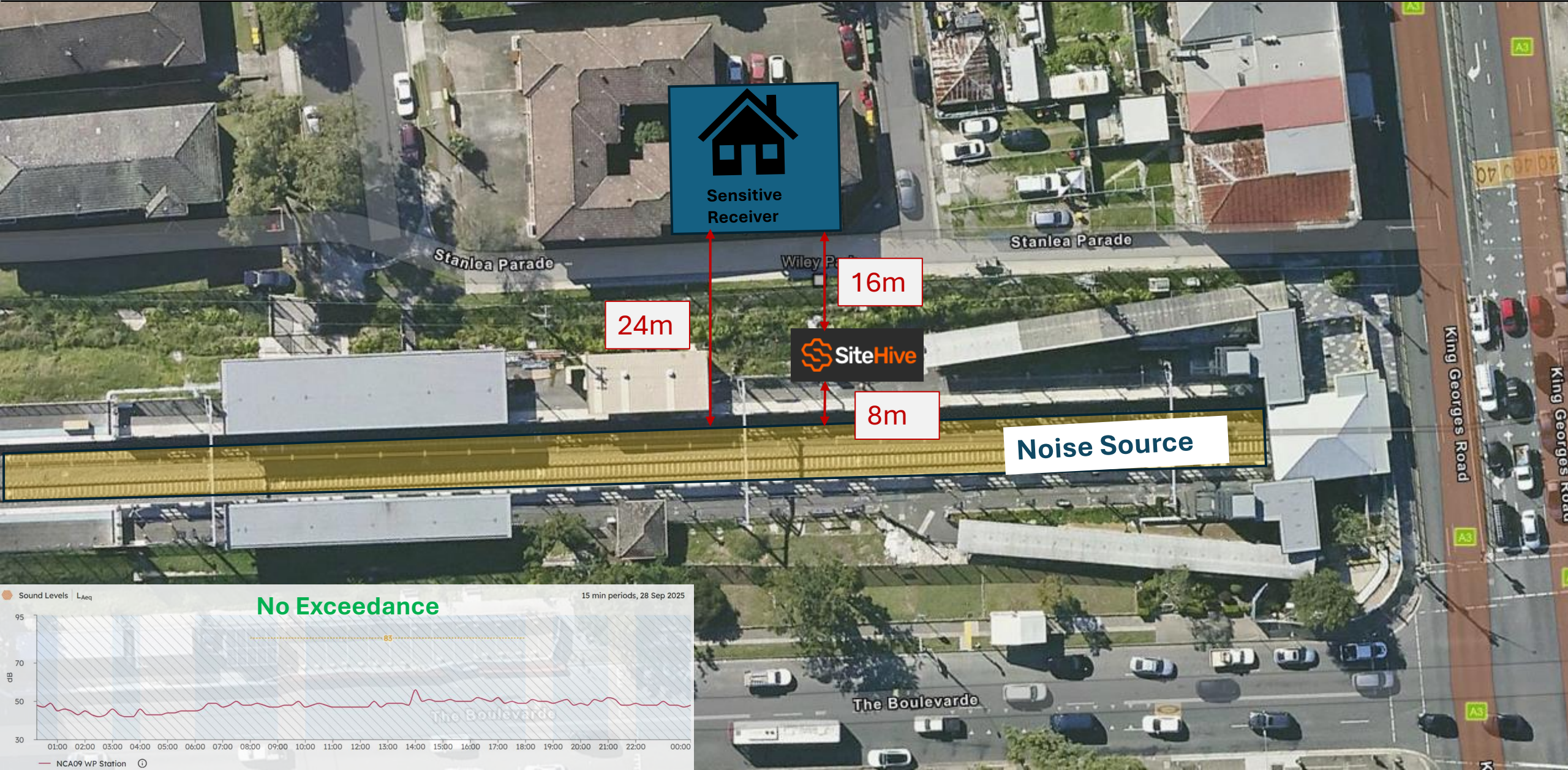
NCAxx	Device Serial	Monitoring Point	Sensitive Receiver (SR)	SR to SiteHive (m)	Source to SR (m)	Source to SiteHive (m)	Prediction @ SR (dB LAeq15min)	Predicted @ SiteHive (dB LAeq15min)	WE/WKxx	Date (Start of shift)	OOH Period 1 or 2	Precise OOH Period	Applicable RBL	Prediction above RBL at SiteHive	Prediction above RBL at Sensitive Receiver	Recommended AMM
NCA07	HEX-000630	NCA07 BE STATION	1 Acacia Street	31	39	8	57	71	WE13	28/09/2025	P1	Sun/Pub Ho1 (0800-1800)	41	30	16	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	WE13	28/09/2025	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	WE13	28/09/2025	P1	Sun/Pub Ho1 (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	WE13	28/09/2025	P1	Sun/Pub Ho1 (0800-1800)	47	28	11	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 for the carrying out of works outside of standard construction hours in L5.1.**

The works carried out on WE13 (28<sup>th</sup> September 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.

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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.