



Southwest Metro Works Stage 3 Construction Monitoring Report 1 September 2024 – February 2025

SMCSWSW8-JHL-WEC-EM-REP-000001

Document and Revision History

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Management reviews

| Review date | Details | Reviewed by |
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1 Compliance Matrix

| Condition | Requirement | Reference |
|-----------|---|-------------|
| C14 | The results of the Construction Monitoring Programs must be submitted to the Planning Secretary, and relevant regulatory agencies, for information in the form of a Construction Monitoring Report at the frequency identified in the relevant Construction Monitoring Program. | Section 1.1 |

2 Introduction

The Construction Monitoring Program is being implemented to monitor impacts on surrounding surface water quality resources and impacts from noise and vibration on the surrounding areas during the construction phase. The surface water monitoring program and noise and vibration monitoring program are also both designed to assess the effectiveness of the mitigation measures applied as part of the Southwest Metro Works Stage 3 (SWM3) as well as one (1) month data to close out Southwest Metro Corridor Works (SMC) and Additional Works. This is the 1st construction monitoring report to cover the Stage 3 works, which are a continuation of the SWM works. The reporting periods for each document are as follows:

Construction monitoring report 001 for the period of September 2024 – February 2025

These reports are to be prepared 6 monthly or as required until the completion of the project or when JHLORJV are no longer undertaking works in established monitoring areas.

2.1 Submission Requirements

In accordance with condition C14, the CMR will be submitted to the following agencies for information:

- City of Canterbury Bankstown
- Inner West Council
- New South Wales (NSW) Environment Protection Authority (EPA)
- NSW Department of Planning Infrastructure and Housing (DPHI)

The Independent Environmental Representative and Sydney Metro will review the report prior to submission.

2.2 Surface Water

The project site is located within the rail corridor on the T3 Bankstown line between Sydenham and Bankstown, NSW.

The Project site forms part of the overall Cooks River, Cocks Creek and Salt Pan Creek catchment areas. The water from the area discharges into these water catchments via local stormwater drainage or overland flow. The surrounding catchment areas are urbanised with a mix of residential, commercial, and industrial properties.

Water quality is measured on an ongoing basis for the wider Cooks River catchment by the *Environment, Energy and Science - NSW DPE* as part of the Beachwatch programme. The

monitoring points at Kyeemagh Baths at the mouth of the Cooks River in Port Botany. Water quality within the Cooks River catchment is influenced by stormwater, fertilisers, industrial discharge and sewage contamination.

The EIS, referring to the Salt Pan Creek catchments, states *“A number of beaches in the lower Georges River are monitored as part of Department of Planning Industry and Environment – Environment, Energy and Science’s (DPE-EES) Beachwatch program. The most recent State of the Beaches annual report noted that these locations were graded as ‘good’, meaning that the quality of the water was appropriate for swimming most of the time”*. It is noted however that the catchment is impacted by development, including construction impacts and litter, as well as other influences such as wastewater overflows and a landfill operation.

Surface water quality monitoring is undertaken in accordance with the Water Quality Monitoring Programme within the Construction Soil and Water Management Plan (refer to Section 7).

Objectives for water quality management during construction are:

Minimise pollution of surface water through appropriate erosion and sediment control

Maintain existing water quality of surrounding surface watercourses

2.3 Noise and Vibration

The area surrounding the SWM3 project contains a variety of land-use types and receivers, including residential receivers, commercial, industrial, sensitive non-residential receivers. These land-uses are mixed within the identified noise catchments, though in general there are clusters of industrial and commercial areas surrounding stations, and primarily residential areas between stations. The area surrounding the project is affected by rail noise and vibration.

Majority of the works will occur within the rail corridor between stations, works will mainly occur adjacent to residential properties.

There are a number of sensitive non-residential receivers identified within the vicinity of the project works. The full list of receivers can be found within the CNVIS (SMCSWSSJ-JHL-WEC-EM-REP-000011-Construction Noise and Vibration Impact Statement-Rev04) A summary of the sensitive receivers are;

- 17 Childcare and Early Learning Centres
- 25 Primary and High Schools
- 24 Hospitals, Medical Centres, clinics and Aged Care Facilities
- 23 Places of Worship

Objectives for noise and vibration management on the project are:

Minimise unreasonable noise and vibration impacts on residents and businesses

Avoid cosmetic damage to buildings or heritage items as a result of construction vibration

Maintain positive, co-operative relationships with schools, childcare centres, local residents and building owners, and undertake active community consultation

Construction noise levels for some SWM3 activities are expected to exceed the external noise management level at times, particularly during works outside of standard hours, resulting in noise impacts to outdoor spaces. Internal and external noise levels will be assessed as part of the Out of Hours Works (OOHW) protocol and monitored accordingly.

3 Methodology

3.1 Surface Water

Surface water quality monitoring is undertaken in accordance with the Water Quality Monitoring Programme within the Construction Soil and Water Management Plan (refer to Section 7).

The water quality monitoring methodology as stated within the CSWMP is as follows;

“Following rain events of greater than 20mm in a 24-hour period, JHLOR will undertake post

rainfall inspections of monitoring locations to determine if there is any change in water quality post a significant first flush. An 'event' is defined as the first 20mm rainfall event within a 24-hour period. In the case of multiple consecutive events, only the first will be monitored. Monitoring will resume after a seven-day period of no rain. Visual inspections will include the following monitoring parameters:

- *Water clarity and colour*
- *Odour*
- *Description of flow and quantity*
- *Oil and Grease determination*
- *Details of any foreign objects within the water, and*
- *Visible runoff (into the water body)*

JHLOR will maintain a record of the inspections (including photographs) within the SWM3 Project drive.

Where water quality issues are visibly observed JHLOR will investigate further to determine if the source of the issue is related to JHLOR construction activities (where possible, noting safe access limitations). The JHLOR Environmental Manager or delegate will discuss changes in water quality associated with Construction with the JHLOR Construction Team to determine if further controls may be implemented, noting that any controls must be feasible and reasonable. Once works in a particular area have been completed and any disturbed ground (from the works) reinstated to a suitable condition the associated monitoring within the particular area will cease. It is noted that post-rainfall inspections within 24 hours of some drainage crossings and outlets may not be possible in some circumstances, including:

*Where there are safety concerns, or access is restricted due to rail safe working requirements
Where erosion and sediment controls prevent access to an outlet and removing those controls would present a risk to water quality (e.g. removing drain guards).*

Weather monitoring will be conducted using data from the Canterbury Racecourse weather station, accessed via the bureau of Meteorology website (<http://www.bom.gov.au>).

Water quality monitoring locations are included within Appendix F of the CSWMP. Canterbury Racecourse BOM weather observations were used to determine the amount of rainfall in a 24hr period, forming the basis of when monitoring occurred.

Pre-construction (baseline) monitoring was undertaken prior to the start of Construction in late March 2021, noting that works did not commence across the entire project site in March. The baseline for water quality monitoring was updated with two extra sites (eastern-side Canterbury compound and BEW) during May and September of 2021. Monitoring was undertaken during dry conditions (no rainfall within the last 24hrs). Pre-construction monitoring was undertaken with the same visual and qualitative approach as described above.

The results of the Construction Water Quality Monitoring Programme are included in Section 3. There are currently no active sediment basins on the project, and none have been identified during the construction phase of the project to date.

3.2 Surface Water Baseline Data

One baseline monitoring inspection was conducted in March 2021 (02/03/2021) and updated with 2 additional locations including and Canterbury compound (14/04/2021 – see **Figure 1**) and BEW (10/09/2021 – see **Figure 2**). Refer to **Table 1** for a summary.



Figure 1 - Canterbury Compound (water quality location 8)

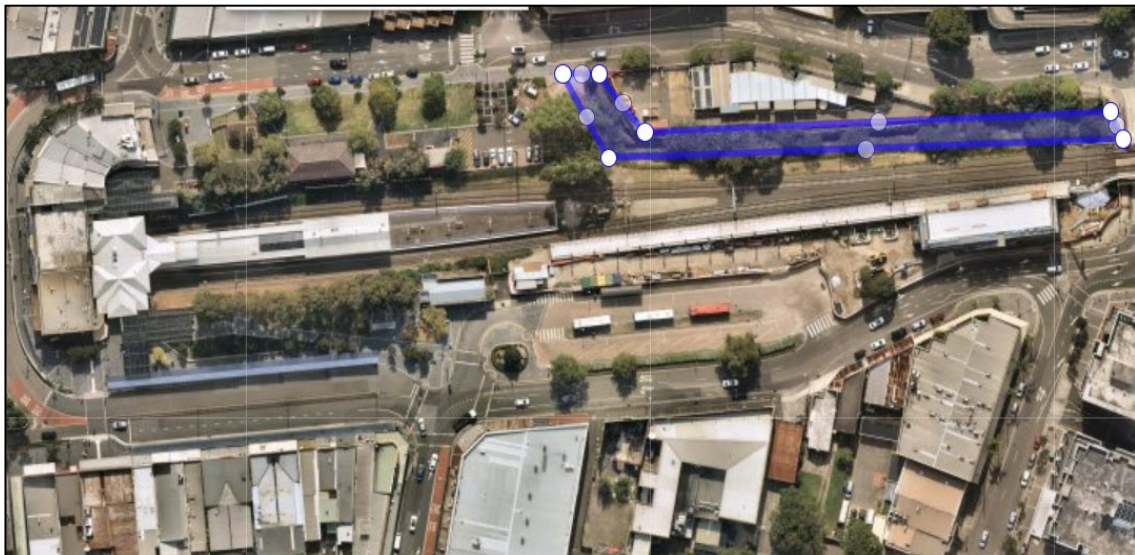


Figure 2 - Bankstown early works (water quality location 9)

Southwest Metro Corridor Works

Table 1 - Surface Water Monitoring Baseline

| Date | Total Rainfall (mm) | Rainfall Event (hours) | Adverse Impacts relating to JHLOR works recorded | Monitoring Location Checklist | Notable Observations | Observations relating to JHLOR impacts | Follow up actions with construction team |
|------------|---------------------|--------------------------|--|---|--|--|--|
| 03/2021 | 0 | 0 (dry weather baseline) | No | <ul style="list-style-type: none"> Location 1 Dulwich Hill Location 2 Hurlstone Park Location 3 West Bank of Cooks River Location 4 Belmore Triangle Location 5 Lakemba Location 6 Wiley Park Location 7 Punchbowl | <p>Ewart St, Dulwich Hill: Turbid water entering from side tributary into D/S side of rail culvert – no JHLOR works in area. Unknown source.</p> <p>General – low flows and litter.</p> | None | N/A |
| 05/05/2021 | 86.4 | 72 | No | <ul style="list-style-type: none"> Location 1 Dulwich Hill Location 2 Hurlstone Park Location 3 West Bank of Cooks River Location 4 Belmore Triangle Location 5 Lakemba Location 6 Wiley Park Location 7 Punchbowl Location 8 Canterbury Compound (First Inspection) | <p>Ewart St, Dulwich Hill: Turbid water entering from side tributary into D/S side of rail culvert – no JHLOR works in area. Unknown source.</p> <p>Close Street, Canterbury: turbid water observed coming from upstream. No inflow from compound area</p> | None | N/A |
| 14/10/2021 | 31.8 | 48 | No | <ul style="list-style-type: none"> Location 1 Dulwich Hill Location 2 Hurlstone Park Location 3 West Bank of Cooks River Location 4 Belmore Triangle Location 5 Lakemba Location 6 Wiley Park Location 7 Punchbowl Location 8 Canterbury Compound Location 9 Bankstown (First Inspection) | <p>Ewart St, Dulwich Hill: Small side tributary (LHS) – source of upstream brown cloudiness/dirty water unknown other than Council Contactor works under Ness St bridge. – no JHLOR works in area.</p> <p>Hurlstone Park: JHLOR installing engineered earth ramp upstream from culvert. Controls in place and ramp structure stabilised with “little” sign of scour flowing into heavily vegetated area (upstream of culvert).</p> <p>Wiley Park: Station Contractor works near culverts. Pre-construction baseline inspections and early Construction period inspections indicate turbid water within this drain at times. No indication SM works causing turbidity.</p> <p>Canterbury Compound: turbid/cloudy water observed in creek. No JHLOR works.</p> | None | N/A |

3.3 Noise and Vibration monitoring

As part of the Noise and Vibration Assessment within the Sydney Metro Sydenham to Bankstown Upgrade Environmental Impact Statement, the area surrounding the entire Project site was divided into 13 Noise Catchment Areas (NCAs). SWM3 works occur across all 13 NCA's depending on where works will reside, there are some locations where works are more consistent than others. Noise monitoring was undertaken in 2016 to determine the Rating Background Level for the 13 noise catchments. The Rating Background Levels for all NCAs are shown in **Table 2**.

Table 2 - RBLs for SWM3 Noise Catchment Areas

| NCA | Daytime RBL (7am to 6pm) | Evening RBL (6pm to 10pm) | Night RBL (10pm to 7am) |
|-----|--------------------------|---------------------------|-------------------------|
| 1 | 38 | 38 | 33 |
| 2 | 38 | 38 | 33 |
| 3 | 38 | 38 | 34 |
| 4 | 40 | 40 | 35 |
| 5 | 36 | 36 | 32 |
| 6 | 45 | 42 | 35 |
| 7 | 41 | 41 | 35 |
| 8 | 47 | 47 | 41 |
| 9 | 44 | 44 | 36 |
| 10 | 47 | 47 | 41 |
| 11 | 47 | 47 | 39 |
| 12 | 54 | 51 | 42 |
| 13 | 42 | 42 | 39 |
| 14 | 41 | 41 | 40 |
| 15 | 51 | 51 | 43 |
| 16 | 58 | 52 | 38 |

Based on planned work in the construction phase, impacts were largely spread across the noise catchments.

Figure 3 below shows the noise catchment boundaries across the project.

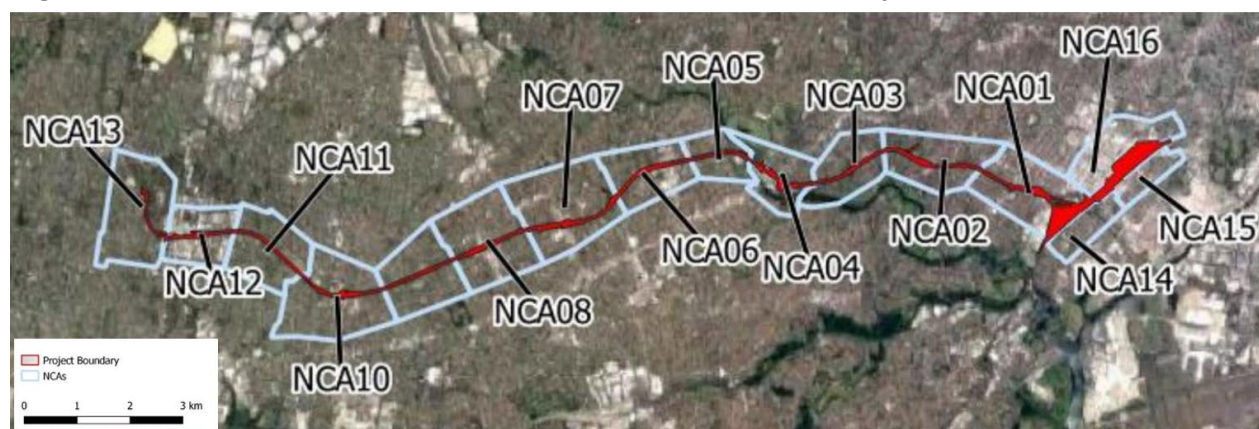


Figure 3 – Sydenham to Bankstown Noise Catchment Areas

Monitoring is undertaken during construction activities (including out of hours works) where required in accordance with Section 8 of the CNVS and for validation purposes. Attended noise monitoring is undertaken in the event of a noise complaint. Where a complaint occurs, monitoring will be undertaken at the complainant's property, nearest to any work.

Vibration monitoring will be undertaken before and during works where buildings or structures exist within the safe work distances of vibratory plant. Monitoring will also be undertaken where vibration generating activities have the potential to impact on heritage items. Monitoring will be undertaken for vibration causing "activities" at a structure and applied as indicative across the project area in similar circumstances (e.g. the methods and plant used for the compaction of

batters is consistent across the site, as such the monitoring at one structure is representative of the impacts at other structures). Representative monitoring should be undertaken at the most sensitive structure for which it is to be applied. In accordance with the requirements of the CNVS, the vibration limits have been set out in the British Standard BS 7385-2:1993.

4 Results

4.1 Surface Water

Water quality monitoring inspections were undertaken six (6) times during this reporting period. These occurred between on the 27th of September 2024 and the 16th of January 2025 and was in response to rain events.

The following monitoring inspections were undertaken during the reporting period (Result surmised in **Table 3**):

- Rain Event on the 27/09/2024, 31.4mm rainfall during inspection, no adverse impacts identified during the period;
- Rain Event on the 15/10/2024, 30.2mm rainfall during inspection, no adverse impacts identified during the period;
- Rain Event on the 30/11/2024, 38.4mm rainfall during inspection, no adverse impacts identified during the period;
- Rain Event on the 8/12/2024, 14.8mm rainfall during inspection, no adverse impacts identified during the period;
- Rain Event on the 9/01/2025, 40.4mm rainfall during inspection, no adverse impacts identified during the period;
- Rain Event on the 16/01/2025, 40mm rainfall during inspection, no adverse impacts identified during the period.

Full monitoring inspections, including commentary and photographs are maintained on the JHLOR Project Drive. These are available upon request. See **Appendix A** for a sample water monitoring report. Where monitoring indicates adverse impacts associated with JHLOR works this Section of the CMR will explore the details and corrective actions in detail.

Table 3 – Summary of result - Surface Water Monitoring undertaken during the CMR6 reporting period

| Date | Total Rainfall | Adverse Impacts | Monitoring Location Checklist | Notable Observations | Observations | Follow up actions |
|------------|----------------|---|--|---|--------------------------------|-------------------|
| 27/09/2024 | 31.4 mm | No adverse impacts relating to JHLOR works recorded | Location 1 Dulwich Hill | No JHLOR works, ERSED Controls in place, Turbid water from side inlet on LHS, Unknown source. Station Contractor's black pipe from on RHS – not able to see. | None relating to JHLOR impacts | N/A |
| | | | Location 2 Hurlstone Park | NO PO AVAILABLE – AREA NOT INSPECTED , No JHLOR works, ERSED Controls in place | | |
| | | | Location 3 West Bank of Cooks River | No JHLOR works, ERSED Controls in place, No sign of dirty water from corridor | | |
| | | | Location 4 Belmore Triangle | JHLOR Stockpiling area, NO PO AVAILABLE – AREA NOT INSPECTED , ERSED Controls in place | | |
| | | | Location 5 Lakemba | No JHLOR works. Not checked on Downstream due to the drainage network is below ground. Upstream AREA NOT INSPECTED, ERSED Controls in place. | | |
| | | | Location 6 Wiley Park | No JHLOR works, ERSED Controls in place, No sign of dirty water from corridor. Small inlet from the RHS of the Western most culverts – turbid water flowing into culver. Unknown upstream source but seeping from concrete GLT/ toe of vegetated batter. No oil & grease. No odour | | |
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |
| | | | Location 8 Canterbury Compound | JHLOR compound, ERSED Controls in place, No sign of dirty water from corridor | | |
| | | | Location 9 Bankstown | No construction work on culvert side. JHLORJV works occurring here. ERSED controls in place, effective and maintained. No sign of dirty water from corridor. Council works are being carried out in roadway alongside. | | |
| 15/10/2024 | 30.2 mm | No adverse impacts relating to JHLOR works recorded | Location 1 Dulwich Hill | No JHLOR works, ERSED Controls in place, Slightly turbid water from side inlet on LHS, Unknown source. Station Contractor's black pipe from on RHS – not able to see. | None relating to JHLOR impacts | N/A |
| | | | Location 2 Hurlstone Park | NO PO AVAILABLE – AREA NOT INSPECTED , No JHLOR works, ERSED Controls in place | | |
| | | | Location 3 West Bank of Cooks River | No JHLOR works in the area or up at Campsie Station. ERSED Controls in place. Slightly turbid water from side inlet on LHS. Unknown source. Cooks River water already quite turbid due to rain event. | | |
| | | | Location 4 Belmore Triangle | JHLOR Stockpiling area, ERSED Controls in place, No sign of dirty water from corridor. | | |
| | | | Location 5 Lakemba | No JHLOR works. Not checked on Downstream due to the drainage network is below ground. Upstream observed to have a slightly turbid flow and Total Suspension Solid (TSS) | | |
| | | | Location 6 Wiley Park | No JHLOR works, ERSED Controls in place, No sign of dirty water from corridor. Small inlet from the RHS of the Western most culverts – clean water flowing into culver. Unknown upstream source but seeping from concrete GLT/ toe of vegetated batter. No oil & grease. No odour | | |
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |
| | | | Location 8 Canterbury Compound | JHLOR compound, ERSED Controls in place. Clean ponded water on asphalt surface and no flow of water off asphalt parking surface at time of inspection. Downstream water observed to be turbid (looks same as upstream). No excavation activities along the corridor near this location. NOTE: signs of batter slip on LHS. | | |
| | | | Location 9 Bankstown | No excavation activities work on culvert side. JHLORJV works occurring here. ERSED controls in place, effective and maintained. No sign of dirty water from corridor. Council works are being carried out in roadway alongside. | | |
| 30/11/2024 | 38.4 mm | No adverse impacts relating to JHLOR works recorded | Location 1 Dulwich Hill | No JHLOR works, ERSED Controls in place, Water in main culvert is slightly turbid. Turbid water from side inlet on LHS. No JHLOR works in the area or up at Ewart St. Unknown source. Station Contractor's black pipe from on RHS – not able to see. Medium flow of water (during the inspection), but damage to vegetation indicates previously high flow | None relating to JHLOR impacts | N/A |
| | | | Location 2 Hurlstone Park | NO PO AVAILABLE – AREA NOT INSPECTED , No JHLOR works, ERSED Controls in place | | |
| | | | Location 3 West Bank of Cooks River | No JHLOR works, ERSED Controls in place, No sign of dirty water from corridor | | |
| | | | Location 4 Belmore Triangle | JHLOR Stockpiling area, ERSED Controls in place, Slightly turbid water alongside road and over DGB hardstand. No turbid water from corridor | | |
| | | | Location 5 Lakemba | No JHLOR works. Not checked on Downstream due to the drainage network is below ground. Upstream observed to have clean water flowing through both culverts. No sign of residual sediment in floor. | | |
| | | | Location 6 Wiley Park | No JHLOR works, ERSED Controls in place, No sign of dirty water from corridor. Small inlet from the RHS of the Western most culverts – turbid water flowing into culver. Unknown upstream source but seeping from concrete GLT/ toe of vegetated batter. No oil & grease. No odour | | |
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |
| | | | Location 8 Canterbury Compound | JHLOR compound, ERSED Controls in place. High flow of water. Clean ponded water on asphalt surface and no flow of water off asphalt parking surface at time of inspection. Downstream water observed to be turbid (looks same as upstream). No excavation activities along the corridor near this location. NOTE: signs of batter slip on LHS. | | |
| | | | Location 9 Bankstown | Piling work on culvert side. ERSED controls in place, effective and maintained. No sign of dirty water from corridor. Council works are being carried out in roadway alongside. | | |
| 8/12/2024 | 14.8 mm | No adverse impacts relating to JHLOR works recorded | Location 1 Dulwich Hill | No JHLOR works, ERSED Controls in place, Water in main culvert is slightly turbid. Turbid water from side inlet on LHS. No JHLOR works in the area or up at Ewart St. Unknown source. Station Contractor's black pipe from on RHS – not able to see. Medium flow of water, but damage to vegetation indicates previously high flow. | None relating to JHLOR impacts | N/A |
| | | | Location 2 Hurlstone Park | NO PO AVAILABLE – AREA NOT INSPECTED , No JHLOR works, ERSED Controls in place | | |
| | | | Location 3 West Bank of Cooks River | JHLOR Security fence piling works occurs west side of Warioa Bridge, ERSED Controls in place, No sign of dirty water from corridor. Medium flow of water. | | |
| | | | Location 4 Belmore Triangle | JHLOR Stockpiling area, ERSED Controls in place, No sign of dirty water from corridor. Clean water through SW pipe. | | |
| | | | Location 5 Lakemba | JHLOR construction activities on the SWN side of corridor along top of batter. ERSED controls in place. Clean water discharge into drop pit. | | |
| | | | Location 6 Wiley Park | JHLOR construction works on the UP (North side) of tracks – security fence installation, ERSED Controls in place, No sign of dirty water from corridor. Small inlet from the RHS of the Western most culverts – slightly turbid water flowing into culver. Dirty water in the wester culver ponding due to blockage in outlet at eastern culvert. Unknown upstream source but seeping from concrete GLT/ toe of vegetated batter. No oil & grease. No odour | | |

Southwest Metro Corridor Works

Construction Monitoring Report

SMC:SWSW8-.IHI -WFC-FM-RFP-000001

| Date | Total Rainfall | Adverse Impacts | Monitoring Location Checklist | Notable Observations | Observations | Follow up actions |
|------------|----------------|---|--|---|--------------------------------|-------------------|
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |
| | | | Location 8 Canterbury Compound | No JHLOR works. ERSED Controls in place, Medium flow of water, slightly turbid water across the rail track. Water flow from compound hard stand / asphalt into ballast drain. | | |
| | | | Location 9 Bankstown | No excavation work on culvert side. JHLORJV works occurring here. ERSED controls in place, effective and maintained. No sign of dirty water from corridor. Council works are being carried out in roadway alongside. | | |
| | | | Location 2 Hurlstone Park | NO PO AVAILABLE – AREA NOT INSPECTED , No JHLOR works, ERSED Controls in place | | |
| | | | Location 3 West Bank of Cooks River | JHLOR Security fence piling works occurs west side of Warioa Bridge, ERSED Controls in place, No sign of dirty water from corridor | | |
| | | | Location 4 Belmore Triangle | JHLOR Stockpiling area, ERSED Controls in place, No sign of dirty water from corridor | | |
| | | | Location 5 Lakemba | No JHLOR works. ERSED Controls in place, AREA NOT INSPECTED | | |
| | | | Location 6 Wiley Park | No JHLOR works, ERSED Controls in place, No sign of dirty water from corridor. Small inlet from the RHS of the Western most culverts – turbid water flowing into culver. Unknown upstream source but seeping from concrete GLT/ toe of vegetated batter. No oil & grease. No odour | | |
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |
| 9/01/2025 | 40.4 mm | No adverse impacts relating to JHLOR works recorded | Location 8 Canterbury Compound | JHLOR compound, ERSED Controls in place, No sign of dirty water from corridor | None relating to JHLOR impacts | N/A |
| | | | Location 9 Bankstown | No construction work on culvert side. JHLORJV works occurring here. ERSED controls in place, effective and maintained. No sign of dirty water from corridor | | |
| | | | Location 1 Dulwich Hill | No JHLOR works, ERSED Controls in place, Water in main culvert is slightly turbid. Turbid water from side inlet on LHS. No JHLOR works in the area or up at Ewart St. Unknown source. Station Contractor's black pipe from on RHS – not able to see. Medium flow of water, but damage to vegetation indicates previously high flow. | | |
| | | | Location 2 Hurlstone Park | NO PO AVAILABLE – AREA NOT INSPECTED , No JHLOR works, ERSED Controls in place | | |
| | | | Location 3 West Bank of Cooks River | JHLOR Security fence piling works occurs west side of Warioa Bridge, ERSED Controls in place, No sign of dirty water from corridor. Medium flow of water. | | |
| | | | Location 4 Belmore Triangle | JHLOR Stockpiling area, ERSED Controls in place, No sign of dirty water from corridor. Clean water through SW pipe. | | |
| | | | Location 5 Lakemba | JHLOR construction activities on the SWN side of corridor along top of batter. ERSED controls in place. Clean water discharge into drop pit. | | |
| | | | Location 6 Wiley Park | JHLOR construction works on the UP (North side) of tracks – security fence installation, ERSED Controls in place, No sign of dirty water from corridor. Small inlet from the RHS of the Western most culverts – slightly turbid water flowing into culver. Dirty water in the wester culver ponding due to blockage in outlet at eastern culvert. Unknown upstream source but seeping from concrete GLT/ toe of vegetated batter. No oil & grease. No odour | | |
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |
| | | | Location 8 Canterbury Compound | No JHLOR works. ERSED Controls in place, Medium flow of water, slightly turbid water across the rail track. Water flow from compound hard stand / asphalt into ballast drain. | | |
| | | | Location 9 Bankstown | No excavation work on culvert side. JHLORJV works occurring here. ERSED controls in place, effective and maintained. No sign of dirty water from corridor. Council works are being carried out in roadway alongside. | | |
| | | | Location 2 Hurlstone Park | NO PO AVAILABLE – AREA NOT INSPECTED , No JHLOR works, ERSED Controls in place | | |
| | | | Location 3 West Bank of Cooks River | JHLOR Security fence piling works occurs west side of Warioa Bridge, ERSED Controls in place, No sign of dirty water from corridor | | |
| | | | Location 4 Belmore Triangle | JHLOR Stockpiling area, ERSED Controls in place, No sign of dirty water from corridor | | |
| | | | Location 5 Lakemba | No JHLOR works. ERSED Controls in place, AREA NOT INSPECTED | | |
| 16/01/2025 | 40 mm | No adverse impacts relating to JHLOR works recorded | Location 6 Wiley Park | No JHLOR works, ERSED Controls in place, No sign of dirty water from corridor. Small inlet from the RHS of the Western most culverts – turbid water flowing into culver. Unknown upstream source but seeping from concrete GLT/ toe of vegetated batter. No oil & grease. No odour | None relating to JHLOR impacts | N/A |
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |
| | | | Location 8 Canterbury Compound | JHLOR compound, ERSED Controls in place, No sign of dirty water from corridor | | |
| | | | Location 9 Bankstown | No construction work on culvert side. JHLORJV works occurring here. ERSED controls in place, effective and maintained. No sign of dirty water from corridor | | |
| | | | Location 1 Dulwich Hill | No JHLOR works, ERSED Controls in place, Water in main culvert is slightly turbid. Turbid water from side inlet on LHS. No JHLOR works in the area or up at Ewart St. Unknown source. Station Contractor's black pipe from on RHS – not able to see. Medium flow of water, but damage to vegetation indicates previously high flow. | | |
| | | | Location 2 Hurlstone Park | NO PO AVAILABLE – AREA NOT INSPECTED , No JHLOR works, ERSED Controls in place | | |
| | | | Location 3 West Bank of Cooks River | JHLOR Security fence piling works occurs west side of Warioa Bridge, ERSED Controls in place, No sign of dirty water from corridor. Medium flow of water. | | |
| | | | Location 4 Belmore Triangle | JHLOR Stockpiling area, ERSED Controls in place, No sign of dirty water from corridor. Clean water through SW pipe. | | |
| | | | Location 5 Lakemba | JHLOR construction activities on the SWN side of corridor along top of batter. ERSED controls in place. Clean water discharge into drop pit. | | |
| | | | Location 6 Wiley Park | JHLOR construction works on the UP (North side) of tracks – security fence installation, ERSED Controls in place, No sign of dirty water from corridor. Small inlet from the RHS of the Western most culverts – slightly turbid water flowing into culver. Dirty water in the wester culver ponding due to blockage in outlet at eastern culvert. Unknown upstream source but seeping from concrete GLT/ toe of vegetated batter. No oil & grease. No odour | | |
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |

| Date | Total Rainfall | Adverse Impacts | Monitoring Location Checklist | Notable Observations | Observations | Follow up actions |
|------|----------------|-----------------|-------------------------------------|--|--------------|-------------------|
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |
| | | | Location 8 Canterbury Compound | No JHLOR works. ERSER Controls in place, Medium flow of water, slightly turbid water across the rail track. Water flow from compound hard stand / asphalt into ballast drain. | | |
| | | | Location 9 Bankstown | No excavation work on culvert side. JHLORJV works occurring here. ERSER controls in place, effective and maintained. No sign of dirty water from corridor. Council works are being carried out in roadway alongside. | | |
| | | | Location 2 Hurlstone Park | NO PO AVAILABLE – AREA NOT INSPECTED , No JHLOR works, ERSER Controls in place | | |
| | | | Location 3 West Bank of Cooks River | JHLOR Security fence piling works occurs west side of Warioa Bridge, ERSER Controls in place, No sign of dirty water from corridor | | |
| | | | Location 4 Belmore Triangle | JHLOR Stockpiling area, ERSER Controls in place, No sign of dirty water from corridor | | |
| | | | Location 5 Lakemba | No JHLOR works. ERSER Controls in place, AREA NOT INSPECTED | | |
| | | | Location 6 Wiley Park | No JHLOR works, ERSER Controls in place, No sign of dirty water from corridor. Small inlet from the RHS of the Western most culverts – turbid water flowing into culver. Unknown upstream source but seeping from concrete GLT/ toe of vegetated batter. No oil & grease. No odour | | |
| | | | Location 7 Punchbowl | This flow line is below ground and runs across the corridor from North to South and can be seen through pits located within corridor only. NO PO AVAILABLE – AREA NOT INSPECTED – No JHLOR works in catchment | | |
| | | | Location 8 Canterbury Compound | JHLOR compound, ERSER Controls in place, No sign of dirty water from corridor | | |
| | | | Location 9 Bankstown | No construction work on culvert side. JHLORJV works occurring here. ERSER controls in place, effective and maintained. No sign of dirty water from corridor | | |

4.2 Noise and Vibration Monitoring

4.3.1 Noise Monitoring

Attended noise monitoring was undertaken as required for OOHW and possessions, where noise modelling predicted significant exceedance of Rating Background Levels (RBL) or otherwise required validation using this method.

Continuous noise monitoring was undertaken for OOHW and possessions. They were located at the locations with the highest risk of noise exceedance of RBL as established by the JHLOR noise models, detailed monitoring locations can be found in **Appendix B – Noise Monitoring Report**. These noise monitoring methods have been conducted for activities with significant predicted exceedances of noise management levels, mostly occurring where works are conducted in the evening or night-time periods. SWM3 have committed to review impacts and mitigation of construction activity and document outcomes where an exceedance is recorded, or a complaint is made related to project construction activities.

The following noise monitoring event were undertaken for the below Out-of-hour works (OOHW):

- OOHW carried out from the 30th of September 2024 to the 8th of October 2024. Works carried out under condition L5.6 – Local Possessions.
- OOHW carried out from the 8th to the 19th of October 2024. Works carried out under condition L5.6 – Local Possessions.
- OOHW carried out on the 19th of October 2024 to the 4th of November 2024. Works carried out under condition L5.6- Local Possessions.
- OOHW carried out from the 7th to the 8th of November 2024 during weekday (night) out-of-hour-works. Works carried out under condition L5.6- Local Possessions.
- OOHW carried out on the 4th to the 15th of November 2024. Works carried out under condition L5.6- Local Possessions.
- OOHW carried out on the 16th of November to the 1st of December 2024. Works carried out under condition L5.6- Local Possessions.
- OOHW carried out on the 2nd of December to the 15th of December 2024. Works carried out under condition L5.6- Local Possessions.
- OOHW carried out on the 16th to the 22nd of December 2024. Works carried out under condition L5.6- Local Possessions.
- OOHW carried out the 12th of January 2025 during Weekend 28 Rail Possession (WE28) over one (1) day shift. Works carried out under condition L5.6- Local Possessions
- OOHW carried out from the 13th to the 14th of January 2025 during weekday (WK28) over one (1) night shift. Works carried out under condition L5.6- Local Possessions.
- OOHW carried out on the 21st of January 2025 during weekday (WK29) and from the 25th to the 27th of January 2025 during Weekend 30 Possession (WE30). Works carried out under condition L5.6- Local Possessions.
- OOHW carried out from the 17th to the 18th of February 2025 and from the 21st to the 24th

February 2025. Works carried out under condition L5.6- Local Possessions.

Detailed noise monitoring results are attached in **Appendix B**. Throughout the works carried out over the reporting period (September 2024 to February 2025). Actual noise (LAeq 15min) data was collected at the monitoring location and assessed for exceedances.

There were no exceedances of the original noise predictions for the current reporting period.

As part of the noise monitoring, a respite offer was the correct level of additional mitigation.

Construction impacts as well as extraneous noise has been recorded as impacting receivers and monitoring results. Frequent extraneous noise sources throughout the night included:

- Noise from passing freight trains on the ARTC line
- Road traffic, particularly rail replacement buses during rail possessions

4.3.2 Vibration

As per the Construction Noise and Vibration Impact Statement, real time vibration monitoring is conducted when the works are predicted to exceed the building cosmetic damage vibration goals and/or human comfort vibration goals. No works throughout this reporting period indicated the need for vibration monitoring

To date, there has been no exceedances of vibration from construction activities, and recorded vibration (PPV in mm/s) has been well below cosmetic vibration limits for affected structures. As above, attended noise and vibration monitoring has identified that external non-construction noise and vibration sources are frequent in the areas, which is also expected to reflect in the results of any real-time continuous monitoring.

Vibration monitoring was carried out one (1) time during the current reporting period.

- Thursday the 7th of November 2024 during the partial demolition of the Dulwich Hill Ticket Office. No exceedances of vibration recorded.

4.4 Complaints

There were twenty-four (24) complaints throughout this reporting period. All complaints were noise complaints which were found to be attributed to JHLORJV works.

| Date received | Complaint Identification | Complaint Method | Suburb complaint relates to | Construction site/work complaint relates to | Complaint description | Response provided to stakeholder by community team | Action taken by project team/team on site | Status |
|---------------|--------------------------|---|-----------------------------|---|---|--|--|--------|
| 6/09/2024 | ECO102 | E-mail | Canterbury | Noise | Complainant emailed in complaint about workers playing loud radio/music on site. | JHLORJV CRM called back to apologise for the disturbance and let the complainant know that the workers have been instructed to turn the music off and keep their voices low. | JHLORJV supervisor phoned the foreman on site and instructed them to turn music off and keep voices down. One worker had a portable speaker. The worker apologised and put the speaker away. No noise monitoring was conducted. All workers will be reminded at pre-start to avoid the use of radios and portable speakers. The Enviro Coordinator was driving through the same location at +-10:35 and can confirm there was additional road work/line marking activities (not JHLOR) being conducted (under traffic control) along Charles St. | Closed |
| 26/09/2024 | ECO103 | E-mail | Dulwich Hill | OOH Noise | Dulwich Hill resident complaining of location of generator at station | JHLORJV CRM checked with team if the generators' location could be changed however it cannot as it needs to be connected to the Pad mount in this location. Reviewed the noise modelling for the activity and the resident was eligible for additional mitigation measure of respite. | JHLORJV CRM email resident to advise that the generators location could not be shifted however they were eligible for AMM for the operation of the generator, resident is yet to accept the offer. Note: the non-compliance regarding this complaint has been rescinded as the works were associated with Sydney Trains work, not JHLORJV despite the interface element. It is not part of our scheduled activity, contract or planning approval. NO complaint has been received since. | Closed |
| 28/09/2024 | ECO104 | Email | Bankstown | Noise | Bankstown resident complaining of noisy works close to residence during standard construction hours | Stakeholder and Community Relations Manager emailed resident explaining the works being conducted near their property are only considered moderately intrusive and the correct additional mitigation measure of a respite voucher has been offered for these works OOH, not standard construction hours. | Stakeholder and Community Relations Manager reviewed the daily work program and noise modelling for tonight, the works being conducted near the residents property are only considered moderately intrusive (<30dB). resident is not eligible for alternative accommodation, a respite voucher will be issued. | Closed |
| 1/10/2024 | ECO105 | Email | Hurlstone Park | OOH Noise | Hurlstone Park resident complaining of Nosie from generator powering Hurlstone Park station | JHLORJV CRM identified that generator was in operation for Sydney Trains works prior to JHLORJV works can commence. JHLORJV responded to resident providing a response that monitoring showed experienced noise level at the property is lower than predicted for the generators operation and does not trigger an additional mitigation measure of a respite voucher or alternative accommodation. Explained to resident that station would be transferred to Sydney Metro power today and the generator decommissioned there after. | JHLORJV environment team conducted noise monitoring (regardless) during the night period and provided info to CRM. This data showed experienced noise level at the property is lower than predicted for the generators operation and does not trigger an additional mitigation measure of a respite voucher or alternative accommodation that JHLORJV would provide on behalf of Sydney Trains. | Closed |
| 30/09/2024 | ECO106 | Email | Dulwich Hill | OOH Noise | Dulwich Hill resident complaining works occurring early Monday morning | JHLORJV CRM spoke to Stations supervisor to see what works may have been occurring. Supervisor informed that it was likely the team erecting hoarding following the final Sydney Trains service on the T3 line to prevent public access to stations during the final conversion period. JHLORJV CRM emailed resident to advise of this and apologised that this was missed in our planning and unfortunately was not correctly notified or offered the appropriate additional mitigation measure for the works. CRM apologised for this and offered respite retrospectively for this date | Works missed in our planning and unfortunately was not correctly notified or offered the appropriate additional mitigation measure for the works. A Non-compliance has been raised and will be documented in the Annual Return against Condition L5.12 | Closed |
| 1/10/2024 | ECO107 | Received directly by Sydney Metro or contractor | Dulwich Hill | Construction noise | Dulwich Hill enquiring about when the metro services building will be completed, raised the issue of her daughter having a severe mental episode from the noise | Stakeholder and Community Relations Manager reviewed the daily work program and liaised with the team to see what works were being conducted in the area. Stakeholder and Community Relations Manager | Offered resident alternative accommodation from this afternoon/ tomorrow until Saturday to seek respite from the works. | Closed |

Southwest Metro Corridor Works

Construction Monitoring Report

SMC:SWSW8-IHI -WFC-FM-RFP-000001

| Date received | Complaint Identification | Complaint Method | Suburb complaint relates to | Construction site/work complaint relates to | Complaint description | Response provided to stakeholder by community team | Action taken by project team/team on site | Status |
|---------------|--------------------------|------------------|-----------------------------|---|--|--|---|--------|
| | | | | | | emailed resident reviewed the daily work plan and explained our team are installing security fence on the top of the batter behind the services building as well as installing mechanical gap fillers and platform screen doors on the station platform. | | |
| 2/10/2024 | ECO108 | Email | Dulwich Hill | OOH Noise | Dulwich Hill resident complaining of OOH delivery | JHLORJV CRM spoke with team to confirm delivery was not related to their project, upon investigation the delivery was related to an interface contractor UGL for PSD/MGF works. | This complaint was passed on to Sydney Metro/ UGL. | Closed |
| 12/10/2024 | ECO109 | Email | Bankstown | OOH Noise | Bankstown resident complaining of noise overnight during approved OOHW | JHLORJV CRM email resident to advise that the noise level as in line with the prediction and that the resident had received the correct Additional Mitigation Measure. | <p>Attended monitoring on the 10/10/24 and continuous real time monitoring for 12/10/24 validated predictions. Appropriate mitigation in the form of RO has been offered. No exceedance of predictions. Max LAeq15min was 64dB before 05:00. Predicted was 69dB.</p> <p>CRM offered customised molded ear plugs in addition to the RO already issued as well as provided recommendations on masking construction noise impact using pink noise inside the the apartment. The next step was also discussed for internal noise monitoring but not taken up. The resident was as to call back if the recommendations did not work.</p> | Closed |
| 14/10/2024 | ECO110 | Phone call | Marrickville | OOH Noise | Marrickville resident complained of noisy works overnight | JHLORJV CRM phoned resident to advise works were related to the project and they had been offered respite for the works. Resident advised they had missed the notice and didn't accept the retrospective respite offer. | JHLORJV CRM reviewed work program and trigger list. Works were occurring nearby during the night and the resident was eligible for respite for these works. Retrospectively respite was offered but not accepted by resident. Works were approved to occur OOH and the correct additional mitigation measure was offered to resident | Closed |
| 16/10/2024 | ECO111 | Email | Bankstown | OOH Noise | Bankstown Resident complained of noisy works overnight. Specifically in relation to the value of additional mitigation measures offered | JHLORJV CMR responded: We want to apologise for any inconvenience caused by the construction noise. We understand that our work can be disruptive, and we appreciate your patience as we continue to upgrade the rail line to metro standards. Sydney Metro respite offers are designed to provide some relief to residents impacted by construction noise. These offers are based on an assessment of construction activities and noise levels, and the number of nights a household might be affected. The vouchers are not intended as compensation but rather to support residents in taking a break from construction noise and enjoy activities outside their homes or to be used to buy a Bluetooth speaker to play white/pink noise to help mask construction noise. | No additional monitoring was undertaken as the predictions were validated through real time continuous noise monitoring. | Closed |
| 16/10/2024 | ECO112 | Email | Marrickville | OOH Noise | Marrickville resident complained of noisy works overnight. Thanked the Project for respite offer, however cannot take up AA due to pet. The resident also enquired if the works can be undertaken in standard construction hours | <p>JHLORJV CMR responded: We want to apologise for any inconvenience caused by the construction noise last weekend. We understand that our work can be disruptive, and we appreciate your patience as we continue to upgrade the rail line to metro standards.</p> <p>Some of our construction activities must be carried out around the clock during scheduled rail shutdowns to ensure the successful completion of the project. Unfortunately, the specific work being performed this weekend could not be rescheduled due to the sequential nature of the overhead wiring upgrade being undertaken in the area.</p> <p>In accordance with our construction noise and vibration management plan, predictive noise modelling indicated that the work might produce</p> | The realtime monitoring result from the continuous noise monitor has validated our offer of alternative accommodation as the correct additional mitigation measure for the work. | Closed |

| Date received | Complaint Identification | Complaint Method | Suburb complaint relates to | Construction site/work complaint relates to | Complaint description | Response provided to stakeholder by community team | Action taken by project team/team on site | Status |
|---------------|--------------------------|------------------|-----------------------------|---|---|--|---|--------|
| | | | | | | <p>intrusive noise levels during the evening period. As a result, we offered alternative accommodation to the building to help resident receive uninterrupted sleep caused by our construction works.</p> <p>We have reviewed our continuous noise monitor located at Marrickville Station over the weekend during the period you mention below, and we were unable to hear any hammering noises however did notice multiple freight trains passing through the area on the live ARTC freight network. Some of these freight train movements produce a clicking noise as they pass through points and crossover located behind blocks C and D of 359 Illawarra Road, Marrickville.</p> <p>The real monitoring result from the continuous noise monitor has validated our offer of alternative accommodation as the correct additional mitigation measure for the work.</p> <p>Pet friendly accommodation can be considered when applying for the AA.</p> <p>Sydney Metro recognises that noisy work is inconvenient for residents. We would like to thank you for your patience while we complete this essential work.</p> | | |
| 20/10/2024 | ECO113 | Phone call | Dulwich Hill | OOH Noise | Dulwich Hill resident complaining of being woken up by grinder and 740am Sunday morning and not being notified of OOHW. | <p>JHLORJV CRM reviewed model and work location for works being undertaken near resident. Works were being undertaken not near resident's address and resident had triggered for respite for the Sunday works. Works were notified in the Sydney Metro monthly construction notice.</p> <p>JHLORJV CRM spoke with resident to advise works were notified in the monthly notice for being undertaken on a Sunday and that the location of the works wasn't near resident's address. Resident advised they didn't like the new lay out of Sydney Metro construction notice and found it difficult to work out if works were going to be undertaken OOH.</p> | No works in the area, no monitoring. | Closed |
| 22/10/2024 | ECO114 | Email | Campsie | OOH Noise | Campsie resident complaining of noisy works OOH | <p>Communication and Community Relations Manager emailed resident apologising for the noise disturbance, informing that works were notified in the Sydney Metro monthly construction notice which letter boxed to residents on or around the 25th of each month.</p> <p>The predictive noise model for the works did not trigger an additional notification for moderately or highly intrusive works triggering an offer of respite.</p> | JHLOR were investigating complaint and were unable to obtain information from the team who were on fatigue leave so could not contact them until the evening. Stakeholder and Community Relations Manager reviewed the daily program and spoke with the team involved and confirmed it was JHLOR working. | Closed |
| 23/10/2024 | ECO115 | Email | Canterbury | OOH Noise | Canterbury resident complaining of noisy works OOH | <p>Communication and Community Relations Coordinator phoned resident apologising for the noise disturbance, informing that works were notified in the Sydney Metro monthly construction notice which letter boxed to residents on or around the 25th of each month.</p> <p>The predictive noise model for the works did not</p> | Further investigation was undertaken and determined that based on the equipment used and scope of works, the noise model was likely adequate, however noise monitoring was missed, hence there is no validation data. This will be raised internally as a non-conformance with project requirements. | Closed |

Southwest Metro Corridor Works

Construction Monitoring Report

SMC:SWSW8-IHI -WFC-FM-RFP-000001

| Date received | Complaint Identification | Complaint Method | Suburb complaint relates to | Construction site/work complaint relates to | Complaint description | Response provided to stakeholder by community team | Action taken by project team/team on site | Status |
|---------------|--------------------------|------------------|-----------------------------|---|---|---|---|--------|
| | | | | | | trigger an additional notification or offer of respite. | | |
| 23/10/2024 | ECO116 | Email | Canterbury | OOH Noise | Canterbury resident complaining of noisy works OOH | Communication and Community Relations Coordinator phoned resident apologising for the noise disturbance, informing that works were notified in the Sydney Metro monthly construction notice which letter boxed to residents on or around the 25th of each month. The predictive noise model for the works did not trigger an additional notification or offer of respite. | Further investigation was undertaken and determined that based on the equipment used and scope of works, the noise model was likely adequate, however noise monitoring was missed, hence there is no validation data. This will be raised internally as a non-conformance with project requirements. | Closed |
| 24/10/2024 | ECO117 | Email | Belmore | Noise & Vibration - OOHW, Working hours, Traffic, Transport & Parking | Redman Pde Belmore resident complaining of noise from Vehicle entering Belmore Triangle OOH | JHLORJV CRM reviewed work program and trigger list. Area is being used around the clock and the resident has been notified and offer alternative accommodation for the use of the area. Sydney Metro Project Communications Team responded to resident at their request. Providing information which has previously been provided to resident over the past 5 month. | No further action proposed. All at source noise controls in place, AMMMs have been offered. | Closed |
| 24/10/2024 | ECO118 | Phone call | Marrickville | Noise | Marrickville resident complaining about loud workers and contractor vehicles parking on Warburton Street during std construction hours. | Communication and Community Relations Coordinator apologised for the disruption and stated we are working within our planning approval and EPL requirements. Followed up with an email advising to report vehicles to the 24/7 community information line or the community email so we can follow up on this immediately with the vehicle involved. Further mentioned that workers will be reminded in prestart meetings of neighbour friendly behaviour. | No further action proposed. All at source noise controls in place, AMMMs have been offered. | Closed |
| 24/11/2024 | ECO119 | Phone call | Marrickville | Noise | Marrickville resident complaining about jackhammering activities on a Sunday - no notification or respite | JHLORJV CRM phoned resident and apologised for the noisy works occurring. Advised resident that works weren't scheduled and team had been asked to stop works for the day. Resident was appreciative of the call back and for works to be stopped. | Jackhammer activity discontinued for the day. Further investigation by the Environmental Advisor determined that only hand tools had been used to produce the noise model and no respite was necessary. Activities were conducted outside of the approved OOHW parameters. Misunderstanding of equipment types allowed for use during OOHW This will be raised internally as a non conformance with project requirements. | Closed |
| 26/11/2024 | ECO120 | Email | Bankstown | Noise | Bankstown resident complained of being disturb by noisy OOH works (during the Monday night period) | JHLORJV CRM emailed resident to apologise for the disturbance and advise that works were approved to occur during the OOH period. These activities were notified in the monthly construction notice and didn't trigger respite. | JHLORJV CRM and Enviro Advisor reviewed the continuous noise monitoring (SiteHives at the works area) for the works and the actual VS predicative noise data. The noise generated by the activities were less than predicted for the night time period. Works were already notified in the Monthly construction notice and included in the approved OOH permit. No additional mitigation measures were applicable for the works. Unavoidable | Closed |
| 5/12/2024 | ECO121 | Email | Belmore | OOH Noise | Belmore resident complaining works occurring OOH on Tuesday night and Wednesday morning 4 and 5 December with no respite. | JHLORJV CRM has emailed resident to advise resident we are investigating the unscheduled works. | JHLORJV Environmental Manager reviewed noise data at Belmore Triangle. 1 Laeq15min period over the night OOH (22:00-07:00) triggered RO at the complainants property, which was at the time of the complaint. It has since been identified the OHW team entered Belmore Triangle to undertake inaudible (<5dB above RBL) work | Closed |

| Date received | Complaint Identification | Complaint Method | Suburb complaint relates to | Construction site/work complaint relates to | Complaint description | Response provided to stakeholder by community team | Action taken by project team/team on site | Status |
|---------------|--------------------------|------------------|-----------------------------|---|--|---|--|--------|
| | | | | | | | undertaking pantograph checks. The works were included in the OOH Approval last week, however were not carried over to this weeks approval. | |
| 5/12/2024 | ECO122 | Email | Canterbury | OOH Noise | Resident emailed to complain about rail noise. | JHLORJV CRM checked OOH register, and no works scheduled. Investigation commenced with team to identify works JHLORJV CRM email resident advising that there were no works occurring and the noise was due to noise was caused by an increase in the frequency of ARTC freight train movement overnight as identified by our continuous noise monitor at Canterbury Station. | JHLORJV Environmental Manager reviewed noise data and attributed it to ARTC operations. Complaint not related to project. | Closed |
| 23/01/2025 | ECO123 | Phone call | Marrickville | OOH Noise | Resident emailed to complain about noise from rail activities. | JHLORJV CRM phoned resident to apologise for the disturbance and advised that the OOH works were approved during the period. These activities were notified in the monthly construction notice and didn't trigger respite (RO or AA). | JHLORJV CRM reviewed the actual continuous noise monitoring (SiteHives positioned between the resident and the work area) data generated by the works VS predicative noise. The actual noise generated by the activities were less than predicted for the night time Works had already been notified in the Monthly construction notice (Dec 24/Jan 25) and included in the approved OOH permit. No additional mitigation measures were applicable for the works. Unavoidable | Closed |
| 18/02/2025 | ECO124 | Email | Dulwich Hill | OOH Noise | Resident emailed and stated that last night there was noisy activity in the construction site until at least 11pm. It was not machine noise, but loud grinding like shovelling gravel, or dragging metal across uneven surfaces. | JHLORJV CRM phoned resident to confirm that all SW Metro Works were checked, and no works occurred last night. | Investigation confirmed that no works occurred associated with the SW metro Project. | Closed |

5 Mitigation Measures

5.1 Noise and Vibration

Standard and Additional mitigation measures as applicable were implemented as per Section 7 of the Construction Noise and Vibration Management Plan, and Sections 6.2 and 6.4 of the Construction Noise and Vibration Impact Statement. These were effective during the reporting period.

A total of three (3) non-compliance notification reports (NCRs) related to noise and vibration were provided to EPA, SM and the Environmental Representative (ER):
NCR 001 Unapproved OOH delivery of water barriers at Ewart Lane I Dulwich Hill.
NCR 004 Unapproved tool (jack hammer) used in day OOH at Marrickville Sewer pile trimming.
NCR 005 Works at Belmore Triangle occurred without an OOHW permit.

5.2 Water

Standard mitigation measures were implemented as per Section 6 of the Construction Soil and Water Management Plan. A new area-checklist is completed for every new area JHLORJV works is planning to commence in. This considers existing ERSED issues and assists in the developing of ERSED control plans. Controls were, identified, installed and repaired as required throughout this reporting period.

6 Conclusion

Pre-construction surface water monitoring began in March 2021, with results showing several instances of poor water quality due to detritus and turbidity. Monitoring during the September 2024 – February 2025 period indicated no adverse impacts associated with JHLOR activities. Erosion-sediment control plans are maintained and reviewed regularly, and JHLOR conducts weekly and post rain environmental inspections. The Environment Representative also conducts bi-weekly inspections, and any observations are closed out within agreed timeframes. Monitoring records have validated modelled noise and are consistent with the predicted impact of construction activities on noise catchment areas, including sensitive receivers. There were zero (0) exceedances of the noise predictions for the current reporting period.

Appendix A – Sample of Water Monitoring Report

SWMC and BEW. Water Quality Monitoring Programme - Environmental Condition Surveys (CoA C8b)

| | |
|------------------------------|---|
| Inspection type | Rain Event 30/11/2024(#44) |
| Rainfall (in previous 24hrs) | Total = +-38.4mm |
| Inspection by | Andre Kruize |
| Date(s) of inspection | Saturday 30/11/24 (07:00 onwards) |
| Other general notes | Cant Compound - Rain data, inspection and photos were taken through the corridor during the inspection Weather data from Canterbury Weather Station. |

Latest Weather Observations for Canterbury

IDN80901


Issued at 11:11 am EDT Saturday 30 November 2024 (issued every 10 minutes, with the page automatically refreshed every 10 minutes)



[About weather observations](#) | [Map of Sydney area stations](#) | [Latest observations for Sydney area](#) | [Other Formats](#)



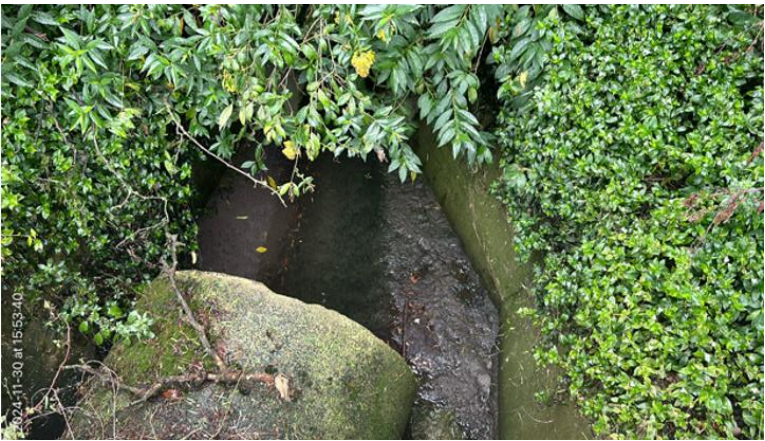
Station Details ID: 088194 Name: CANTERBURY RACECOURSE AWS Lat: -33.91 Lon: 151.11 Height: 3.0 m





Data from the previous 72 hours. | See also: [Recent months at Canterbury](#)



| Date/Time EDT | Temp °C | App Temp °C | Dew Point °C | Rel Hum % | Delta-T °C | Wind | | | | | Press QNH hPa | Press MSL hPa | Rain since 3am mm |
|------------------|------------|-------------------|--------------------|-----------------|---------------|------|-------------|--------------|------------|-------------|---------------------|---------------------|-------------------------|
| | | | | | | Dir | Spd km/h | Gust km/h | Spd kts | Gust kts | | | |
| 30/11:00am | 22.1 | 23.5 | 21.8 | 98 | 0.2 | NNE | 17 | 28 | 9 | 15 | - | - | 0.2 |
| 30/10:30am | 22.1 | 23.5 | 21.8 | 98 | 0.2 | NE | 17 | 26 | 9 | 14 | - | - | 0.2 |
| 30/10:00am | 22.2 | 23.8 | 22.2 | 100 | 0.0 | ENE | 17 | 26 | 9 | 14 | - | - | 0.2 |
| 30/09:30am | 21.9 | 23.3 | 21.9 | 100 | 0.0 | NE | 17 | 28 | 9 | 15 | - | - | 0.0 |
| 30/09:10am | 21.7 | 23.4 | 21.7 | 100 | 0.0 | NE | 15 | 22 | 8 | 12 | - | - | 0.0 |
| 30/09:00am | 21.7 | 23.4 | 21.7 | 100 | 0.0 | NE | 15 | 22 | 8 | 12 | - | - | 38.4 |
| 30/08:50am | 21.6 | 23.3 | 21.6 | 100 | 0.0 | NE | 15 | 26 | 8 | 14 | - | - | 38.4 |
| 30/08:30am | 21.7 | 24.2 | 21.7 | 100 | 0.0 | ENE | 11 | 20 | 6 | 11 | - | - | 38.4 |
| 30/08:00am | 21.5 | 24.3 | 21.5 | 100 | 0.0 | NE | 9 | 17 | 5 | 9 | - | - | 38.4 |
| 30/07:30am | 21.3 | 23.6 | 21.3 | 100 | 0.0 | NE | 11 | 17 | 6 | 9 | - | - | 38.4 |
| 30/07:00am | 21.3 | 23.6 | 21.3 | 100 | 0.0 | ENE | 11 | 19 | 6 | 10 | - | - | 38.4 |
| 30/06:30am | 21.4 | 23.7 | 21.4 | 100 | 0.0 | ENE | 11 | 19 | 6 | 10 | - | - | 38.2 |
| 30/06:29am | 21.4 | 23.7 | 21.4 | 100 | 0.0 | ENE | 11 | 19 | 6 | 10 | - | - | 38.2 |
| 30/06:00am | 21.4 | 23.0 | 21.4 | 100 | 0.0 | ENE | 15 | 22 | 8 | 12 | - | - | 38.2 |
| 30/05:30am | 21.5 | 23.1 | 21.5 | 100 | 0.0 | ENE | 15 | 32 | 8 | 17 | - | - | 38.0 |
| 30/05:23am | 21.5 | 23.9 | 21.5 | 100 | 0.0 | E | 11 | 15 | 6 | 8 | - | - | 38.0 |
| 30/05:00am | 21.6 | 23.6 | 21.6 | 100 | 0.0 | ENE | 13 | 20 | 7 | 11 | - | - | 38.0 |
| 30/04:30am | 21.6 | 24.0 | 21.6 | 100 | 0.0 | NE | 11 | 19 | 6 | 10 | - | - | 37.6 |
| 30/04:00am | 21.4 | 23.7 | 21.4 | 100 | 0.0 | NE | 11 | 17 | 6 | 9 | - | - | 36.8 |
| 30/03:30am | 21.4 | 24.5 | 21.4 | 100 | 0.0 | NE | 7 | 11 | 4 | 6 | - | - | 36.4 |
| 30/03:00am | 21.4 | 23.7 | 21.4 | 100 | 0.0 | ENE | 11 | 19 | 6 | 10 | - | - | 36.2 |


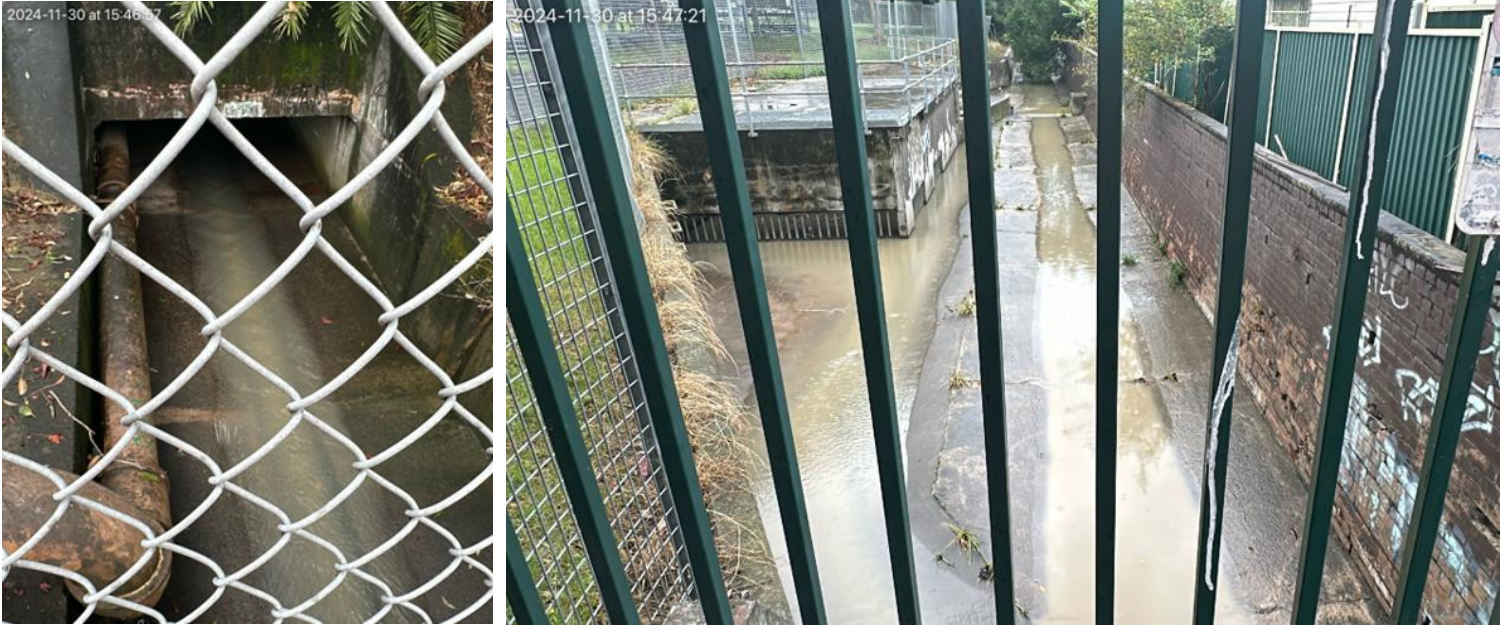
| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|--|---|--|---|--|---------------------------|-----------------------------|
| Location 1 Dulwich Hill, country side, near commuter car park | JHLOR. Sporadic construction activities (sec fence) adjacent to culvert at 20m distance. No upstream activities at Ewart St in the corridor over the last week. Ewart St ERSED: Overland flow is arrested through a series of mid slope berms, coir logs and sediment fences. All pits are covered. No visible discharge of dirty water from site into existing water flows. | Water clarity and colour: Water in main culvert looks clean <i>Side inlet on LHS:</i> Not a clear line of sight due to vegetation growth BUT no sign of dirty water in main culvert <i>Side inlet on RHS:</i> Not a clear line of sight due to vegetation growth BUT no sign of dirty water in main culvert Odour: Nil Description of flow and quantity/ Visible runoff (into the water body): Currently low flow of water but signs of damage to vegetation - indicator of high volume flows. Oil and Grease: Nil Details of any foreign objects within the water: Nil Other comments/description: N/A | <div></div> <div>LHS Inlet Unable to see – heavy vegetation growth RHS Inlet Unable to see – heavy vegetation growth</div> | | | |
| Location 2 Hurlstone Park, countryside | No JHLOR construction/excavation activities along the corridor near this location | Water clarity and colour: Odour: N/A Description of flow and quantity/ Visible runoff (into the water body): N/A Oil and Grease: N/A Details of any foreign objects within the water: N/A Other comments/description: N/A | <div>NO PO AVAILABLE – AREA NOT INSPECTED</div> | Area alongside tracks and upstream from the open culvert are heavily vegetated. | | |
| Location 3 | No JHLOR construction/excavation activities along the corridor near this | Water clarity and colour: Clean water at outlet of SW pipe | | Cooks River already running brown from rain event but water | | |




| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|---|---|--|--|--|---|---------------------------|-----------------------------|
| West bank of Cook's River | location or up on Wairoa St bridge | <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): Med flow</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: N/A</p> <p>Other comments/description: N/A</p> |  | | <p>from SW outlet is clean.</p> <p>Wairoa St area - no work up in this area.</p> | | |
| Location 4 Belmore Triangle Access Road | <p>BelmoreT – There is a ballast access road alongside this open channel</p> <p>Access track opens into BelmoreT transit space and also into Stockpile area at BelmoreT Wedge</p> | <p>Water clarity and colour: Clean water through SW pipe.</p> <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): Med flow. No visible signs of sediment flow from ballast access road.</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: N/A</p> <p>Other comments/description: N/A</p> | <p>SW outlet alongside access road.</p>  <p>Redman Pde – Upstream Status & Controls</p> <p>No photos taken</p> | | <p>This location is alongside a ballast stable track into BelmoreT</p> <p>Belmore Triangle Area:</p> <p>1.Transit area.</p> <p>2.Surface in the BelmoreT area is mostly covered by ballast.</p> <p>3.There is a mid batter berm in place to divide catchment (concrete barrier divider placed).</p> <p>4.Thick vegetated area around sed fence at bottom of area. Mulch berm added.</p> <p>5.No stockpiling of spoil in this area as it is only a transit point for plant and vehicles to hi-rail pad and BelmoreT wedge.</p> <p>Belmore Triangle Wedge Area:</p> | | |


| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|--|---|---|---|---|---------------------------|-----------------------------|
| | | | <div>Toe of batter on side of Access road – Clean water seen between the vegetation</div> <div></div> | Stockpiles (spoil and Engineered fill) are located on top of batter above the access road. No sign of spoil movement down slope on ballast access road. Stockpile area is flat. Toe of spoil stockpile is surrounded by double barrier and geofab curtain over barriers | | |
| Location 5 Lakemba, country side | <p>No construction activities on the DWN side of corridor along top of batter at this location - working platform is also level with ERSED controls in place.</p> <p>No work on the UP side of corridor.</p> <p>Heavily vegetated, long batter slope down to boundary fence. No sign of spoil movement down slope</p> <p>Area around one of the the open culverts is overgrown.</p> | <p>Water clarity and colour: Odour: Clear</p> <p>Description of flow and quantity/ Visible runoff (into the water body): Low flow</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: Nil</p> <p>Other comments/description: Nil</p> | <div>Nth side of corridor (UP side) Drainage network below ground/road – water from road discharges into drop pit. No visual on quality of water.</div> <div>Sth side of corridor – Two culverts (Down Side) No visual on the one culvert- overgrown with vegetation. Clean water flowing through other culvert.</div> <div><div></div><div></div></div> | | | |
| Location 6 Wiley Park, countryside. | No JHLOR construction work on the UP (Nth side) of the tracks for a couple of months. | Water clarity and colour: Eastern culvert is turbid. Unknown source from upstream of corridor (residential area) | <div>NORTH SIDE OF CORRIDOR Area upstream of Culvert. Gate WP3 and roadway below – Site access stabilised with ballast. Grass stabilised area above access gate.</div> | | | |





| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|------------------|---------------------------------------|--|--|--|---------------------------|-----------------------------|
| | | <div><div><div>• Downstream (Nth side): See notes in photo section.</div><div>• Upstream (Sth side): See notes in photo section.</div><div>Odour: Nil</div><div>Description of flow and quantity/ Visible runoff (into the water body): Low flows</div><div>Oil and Grease: Nil</div><div>Details of any foreign objects within the water: Nil.</div><div>Other comments/description: Nil</div></div></div> | <div><div></div><div></div><div><p>Western most culvert</p><p>Clear water in western culvert.</p></div><div><p>Middle culvert:</p><p>No flow. Ponding is due to blockage in outlet on the eastern culvert to which this spills. Clear water in middle culvert.</p></div></div> | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|------------------|---------------------------------------|---------------------------------------|--|--|---------------------------|-----------------------------|
| | | | <div><div><p>Eastern most culvert</p><p>Low flow, slighted turbid water through main culvert. No spill, through flow from adjacent western culverts as it seems blocked. No oil & grease. No odour. Photos show culvert on corridor side & school side of Urunga Pde.</p></div><div><p>SOUTH SIDE OF CORRIDOR</p><p>Western most culvert</p><p>Low flow. Clear water flowing through main culvert</p></div></div> | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|-------------------------|---------------------------------------|---------------------------------------|--|--|---------------------------|-----------------------------|
| | | | <p>Middle culvert</p> <p>No standing water from slope runoff with no visual flow through culvert. This inlet area is dry</p>  <p>Eastern most Culvert</p> <p>Low flow, turbid water through main culvert. Photos show culvert on corridor side & school side of The Boulevard</p>  | | | |
| Location 7 Bankstown | Nil activities in the area | | <p>No PO available – not inspected – no JHLOR works in catchment.</p> <p>NOTE: This flow line is below ground and runs across the corridor from Nth to Sth and can be seen through pits only. They are all inside corridor.</p> | | | |


| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|---|---|--|--|--|---------------------------|-----------------------------|
| Location 7ALT City side of Bankstown DOWN track (near Stacey St) | <p>No JHLOR excavation activities have been carried out alongside the corridor near this location in the last +-6 weeks.</p> <p>ERSED controls in place either side of culvert – jute mesh with grass and leaf litter stabilising area.</p> | <p>5th Side</p> <p>Water clarity and colour: Low flow, clear water from LHS outlet but white cloudy substance from RHS outlet. Source from upstream unknown.</p> <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): see above.</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: No debris in water</p> <p>Other comments/description Nil</p> |  | | | |
| Location 8 Canterbury Compound | <p>No JHLOR construction/excavation activities along the corridor near this location</p> | <p>Water clarity and colour from Culvert Under Corridor. Low flow, slightly turbid water.</p> <p>NOTE: Clear water flow from compound hard stand/asphalt carpark into ballast drain.</p> <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): Turbid water, low flow of water in eastern channel</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: Nil</p> <p>Other comments/description: Nil</p> | <p>Inside Canterbury Compound Clear water flow through ballast channel. No odour and no oil & grease</p> <div></div> | <p>No excavation activities along the corridor near this location</p> | | |




| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|------------------|---------------------------------------|---------------------------------------|---|--|---------------------------|-----------------------------|
| | | | <div>Eastern Channel. Outside Canterbury Compound boundary alongside pedestrian footpath:</div> <div><u>Slightly turbid water.Upstream from JHLOR discharge point:</u></div> <div></div> <div><u>Downstream from JHLOR discharge point:</u></div> <div>Downstream water observed to be slightly turbid. NOTE: Sign of batter slip on LHS of open channel, howevervegetation growth obstructs line of sight.</div> | | | |


| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|--|--|--|---|--|--|---------------------------|-----------------------------|
| | | | <div></div> | | | | |
| Location 9 Bankstown Platform works | <p>Culvert backfilled.</p> <p>No further inspections required for this waterway.</p> | <p>Water clarity and colour:</p> <p>Odour:</p> <p>Description of flow and quantity/ Visible runoff (into the water body):</p> <p>Oil and Grease:</p> <p>Details of any foreign objects within the water:</p> <p>Other comments/description</p> | <p>JHLOR site. Brick culvert filled in.</p> <div></div> | | | | |



SWMC and BEW. Water Quality Monitoring Programme - Environmental Condition Surveys (CoA C8b)



| Inspection type | Rain Event 07/12/2024(#45) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Rainfall (in previous 24hrs) | 12.8mm to 09:00 on Saturday 07/12/24 + 14.8mm to 16:00 on Saturday 07/12/24 (Total 27.6 mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inspection by | Ted Zhang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date(s) of inspection | Sunday 08/12/24 (07:30 onwards) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other general notes | Cant Compound - Rain data, inspection and photos were taken through the corridor during the inspection Weather data from Canterbury Weather Station. Canterbury, New South Wales December 2024 Daily Weather Observations <table><tr><th rowspan="3">Date</th><th rowspan="3">Day</th><th colspan="2">Temps</th><th rowspan="3">Rain</th><th rowspan="3">Evap</th><th rowspan="3">Sun</th><th colspan="3">Max wind gust</th><th colspan="5">9 am</th><th colspan="5">3 pm</th></tr><tr><th>Min</th><th>Max</th><th>Dir</th><th>Spd</th><th>Time</th><th>Temp</th><th>RH</th><th>Cld</th><th>Dir</th><th>Spd</th><th>MSLP</th><th>Temp</th><th>RH</th><th>Cld</th><th>Dir</th><th>Spd</th><th>MSLP</th></tr><tr><th>°C</th><th>°C</th><th>mm</th><th>mm</th><th>hours</th><th>km/h</th><th>local</th><th>°C</th><th>%</th><th>gth</th><th>km/h</th><th>hPa</th><th>°C</th><th>%</th><th>gth</th><th>km/h</th><th>hPa</th></tr><tr><td>1</td><td>Su</td><td>19.4</td><td>29.8</td><td>0.8</td><td></td><td></td><td>NNW</td><td>80</td><td>13:38</td><td>24.3</td><td>79</td><td></td><td>NNW</td><td>9</td><td></td><td>20.4</td><td>95</td><td></td><td>ENE</td><td>20</td><td></td></tr><tr><td>2</td><td>Mo</td><td>16.0</td><td>34.5</td><td>11.4</td><td></td><td></td><td>NNW</td><td>41</td><td>11:57</td><td>25.5</td><td>56</td><td></td><td>WNW</td><td>11</td><td></td><td>31.1</td><td>38</td><td></td><td>E</td><td>20</td><td></td></tr><tr><td>3</td><td>Tu</td><td>19.1</td><td>32.9</td><td>0</td><td></td><td></td><td>NW</td><td>50</td><td>12:04</td><td>28.2</td><td>51</td><td></td><td>NNE</td><td>9</td><td></td><td>29.4</td><td>47</td><td></td><td>NW</td><td>22</td><td></td></tr><tr><td>4</td><td>We</td><td>21.1</td><td>24.5</td><td>0</td><td></td><td></td><td>SSE</td><td>44</td><td>04:38</td><td>22.2</td><td>72</td><td></td><td>SSE</td><td>17</td><td></td><td>23.5</td><td>66</td><td></td><td>SE</td><td>22</td><td></td></tr><tr><td>5</td><td>Th</td><td>19.8</td><td>26.7</td><td>0</td><td></td><td></td><td>E</td><td>33</td><td>15:55</td><td>22.2</td><td>76</td><td></td><td>Calm</td><td></td><td></td><td>26.4</td><td>69</td><td></td><td>NE</td><td>11</td><td></td></tr><tr><td>6</td><td>Fr</td><td>21.8</td><td>30.6</td><td>0</td><td></td><td></td><td>SSE</td><td>28</td><td>09:47</td><td>26.4</td><td>75</td><td></td><td>NE</td><td>4</td><td></td><td>30.2</td><td>60</td><td></td><td>ESE</td><td>19</td><td></td></tr><tr><td>7</td><td>Sa</td><td>22.1</td><td>29.3</td><td>12.8</td><td></td><td></td><td>W</td><td>30</td><td>20:29</td><td>23.7</td><td>97</td><td></td><td>WNW</td><td>2</td><td></td><td>25.3</td><td>96</td><td></td><td>NW</td><td>9</td><td></td></tr><tr><td>8</td><td>Su</td><td>19.8</td><td>29.8</td><td>14.8</td><td></td><td></td><td>SE</td><td>43</td><td>13:03</td><td>26.9</td><td>67</td><td></td><td>SE</td><td>9</td><td></td><td>22.3</td><td>79</td><td></td><td>SE</td><td>22</td><td></td></tr></table> <table><tr><th rowspan="2">Date/Time EDT</th><th rowspan="2">Temp °C</th><th rowspan="2">App Temp °C</th><th rowspan="2">Dew Point °C</th><th rowspan="2">Rel Hum %</th><th rowspan="2">Delta-T °C</th><th colspan="5">Wind</th><th rowspan="2">Press QNH hPa</th><th rowspan="2">Press MSL hPa</th><th rowspan="2">Rain since 5am mm</th></tr><tr><th>Dir</th><th>Spd km/h</th><th>Gust km/h</th><th>Spd kts</th><th>Gust kts</th></tr><tr><td>07/11:30pm</td><td>24.4</td><td>25.2</td><td>19.0</td><td>72</td><td>3.4</td><td>WNW</td><td>13</td><td>20</td><td>7</td><td>11</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/11:00pm</td><td>25.4</td><td>26.2</td><td>19.1</td><td>68</td><td>4.0</td><td>WNW</td><td>13</td><td>20</td><td>7</td><td>11</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/10:30pm</td><td>26.2</td><td>26.9</td><td>19.6</td><td>67</td><td>4.3</td><td>WNW</td><td>15</td><td>24</td><td>8</td><td>13</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/10:00pm</td><td>27.5</td><td>28.8</td><td>20.1</td><td>64</td><td>4.8</td><td>NW</td><td>13</td><td>20</td><td>7</td><td>11</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/09:30pm</td><td>27.8</td><td>29.7</td><td>22.1</td><td>71</td><td>3.8</td><td>W</td><td>15</td><td>30</td><td>8</td><td>16</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/09:21pm</td><td>27.5</td><td>31.2</td><td>23.9</td><td>81</td><td>2.5</td><td>WNW</td><td>11</td><td>20</td><td>6</td><td>11</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/09:02pm</td><td>27.4</td><td>31.3</td><td>23.6</td><td>80</td><td>2.6</td><td>W</td><td>9</td><td>13</td><td>5</td><td>7</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/09:00pm</td><td>27.3</td><td>31.6</td><td>23.7</td><td>81</td><td>2.5</td><td>WSW</td><td>7</td><td>13</td><td>4</td><td>7</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/08:30pm</td><td>27.7</td><td>31.8</td><td>23.3</td><td>77</td><td>3.0</td><td>W</td><td>7</td><td>13</td><td>4</td><td>7</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/08:00pm</td><td>27.8</td><td>32.0</td><td>23.2</td><td>76</td><td>3.1</td><td>WNW</td><td>6</td><td>9</td><td>3</td><td>5</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/07:30pm</td><td>27.6</td><td>31.4</td><td>23.4</td><td>78</td><td>2.9</td><td>NW</td><td>9</td><td>13</td><td>5</td><td>7</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/07:00pm</td><td>28.5</td><td>32.7</td><td>23.2</td><td>73</td><td>3.6</td><td>NW</td><td>6</td><td>9</td><td>3</td><td>5</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/06:30pm</td><td>29.3</td><td>33.2</td><td>23.0</td><td>69</td><td>4.3</td><td>N</td><td>7</td><td>13</td><td>4</td><td>7</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/06:00pm</td><td>28.8</td><td>32.1</td><td>23.2</td><td>71</td><td>3.8</td><td>NNW</td><td>11</td><td>19</td><td>6</td><td>10</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/05:30pm</td><td>28.7</td><td>31.8</td><td>22.9</td><td>71</td><td>4.0</td><td>NNW</td><td>11</td><td>17</td><td>6</td><td>9</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/05:00pm</td><td>28.7</td><td>33.0</td><td>22.7</td><td>70</td><td>4.1</td><td>WNW</td><td>4</td><td>13</td><td>2</td><td>7</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/04:30pm</td><td>28.1</td><td>32.1</td><td>23.7</td><td>77</td><td>3.0</td><td>N</td><td>9</td><td>13</td><td>5</td><td>7</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/04:00pm</td><td>26.4</td><td>31.6</td><td>24.8</td><td>91</td><td>1.1</td><td>N</td><td>6</td><td>13</td><td>3</td><td>7</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/03:30pm</td><td>25.4</td><td>30.3</td><td>24.7</td><td>96</td><td>0.5</td><td>NNW</td><td>7</td><td>13</td><td>4</td><td>7</td><td>-</td><td>-</td><td>14.8</td></tr><tr><td>07/03:00pm</td><td>25.3</td><td>29.8</td><td>24.6</td><td>96</td><td>0.5</td><td>NW</td><td>9</td><td>15</td><td>5</td><td>8</td><td>-</td><td>-</td><td>14.4</td></tr><tr><td>07/02:30pm</td><td>24.6</td><td>29.0</td><td>24.4</td><td>99</td><td>0.1</td><td>NW</td><td>9</td><td>19</td><td>5</td><td>10</td><td>-</td><td>-</td><td>14.4</td></tr><tr><td>07/02:00pm</td><td>24.8</td><td>29.4</td><td>24.8</td><td>100</td><td>0.0</td><td>WNW</td><td>9</td><td>15</td><td>5</td><td>8</td><td>-</td><td>-</td><td>12.2</td></tr><tr><td>07/01:30pm</td><td>25.1</td><td>29.4</td><td>24.9</td><td>99</td><td>0.1</td><td>WNW</td><td>11</td><td>17</td><td>6</td><td>9</td><td>-</td><td>-</td><td>10.6</td></tr><tr><td>07/01:00pm</td><td>24.2</td><td>28.5</td><td>24.2</td><td>100</td><td>0.0</td><td>NNW</td><td>9</td><td>13</td><td>5</td><td>7</td><td>-</td><td>-</td><td>10.2</td></tr><tr><td>07/12:30pm</td><td>24.0</td><td>27.4</td><td>24.0</td><td>100</td><td>0.0</td><td>NW</td><td>13</td><td>20</td><td>7</td><td>11</td><td>-</td><td>-</td><td>7.4</td></tr><tr><td>07/12:24pm</td><td>24.2</td><td>28.1</td><td>24.2</td><td>100</td><td>0.0</td><td>NW</td><td>11</td><td>20</td><td>6</td><td>11</td><td>-</td><td>-</td><td>6.0</td></tr><tr><td>07/12:00pm</td><td>24.4</td><td>28.6</td><td>24.1</td><td>98</td><td>0.2</td><td>NW</td><td>9</td><td>17</td><td>5</td><td>9</td><td>-</td><td>-</td><td>4.2</td></tr><tr><td>07/11:30am</td><td>24.8</td><td>28.6</td><td>24.1</td><td>96</td><td>0.5</td><td>NW</td><td>11</td><td>17</td><td>6</td><td>9</td><td>-</td><td>-</td><td>3.0</td></tr></table> | | | | | | | | | | | | | | | Date | Day | Temps | | Rain | Evap | Sun | Max wind gust | | | 9 am | | | | | 3 pm | | | | | Min | Max | Dir | Spd | Time | Temp | RH | Cld | Dir | Spd | MSLP | Temp | RH | Cld | Dir | Spd | MSLP | °C | °C | mm | mm | hours | km/h | local | °C | % | g th | km/h | hPa | °C | % | g th | km/h | hPa | 1 | Su | 19.4 | 29.8 | 0.8 | | | NNW | 80 | 13:38 | 24.3 | 79 | | NNW | 9 | | 20.4 | 95 | | ENE | 20 | | 2 | Mo | 16.0 | 34.5 | 11.4 | | | NNW | 41 | 11:57 | 25.5 | 56 | | WNW | 11 | | 31.1 | 38 | | E | 20 | | 3 | Tu | 19.1 | 32.9 | 0 | | | NW | 50 | 12:04 | 28.2 | 51 | | NNE | 9 | | 29.4 | 47 | | NW | 22 | | 4 | We | 21.1 | 24.5 | 0 | | | SSE | 44 | 04:38 | 22.2 | 72 | | SSE | 17 | | 23.5 | 66 | | SE | 22 | | 5 | Th | 19.8 | 26.7 | 0 | | | E | 33 | 15:55 | 22.2 | 76 | | Calm | | | 26.4 | 69 | | NE | 11 | | 6 | Fr | 21.8 | 30.6 | 0 | | | SSE | 28 | 09:47 | 26.4 | 75 | | NE | 4 | | 30.2 | 60 | | ESE | 19 | | 7 | Sa | 22.1 | 29.3 | 12.8 | | | W | 30 | 20:29 | 23.7 | 97 | | WNW | 2 | | 25.3 | 96 | | NW | 9 | | 8 | Su | 19.8 | 29.8 | 14.8 | | | SE | 43 | 13:03 | 26.9 | 67 | | SE | 9 | | 22.3 | 79 | | SE | 22 | | Date/Time EDT | Temp °C | App Temp °C | Dew Point °C | Rel Hum % | Delta-T °C | Wind | | | | | Press QNH hPa | Press MSL hPa | Rain since 5am mm | Dir | Spd km/h | Gust km/h | Spd kts | Gust kts | 07/11:30pm | 24.4 | 25.2 | 19.0 | 72 | 3.4 | WNW | 13 | 20 | 7 | 11 | - | - | 14.8 | 07/11:00pm | 25.4 | 26.2 | 19.1 | 68 | 4.0 | WNW | 13 | 20 | 7 | 11 | - | - | 14.8 | 07/10:30pm | 26.2 | 26.9 | 19.6 | 67 | 4.3 | WNW | 15 | 24 | 8 | 13 | - | - | 14.8 | 07/10:00pm | 27.5 | 28.8 | 20.1 | 64 | 4.8 | NW | 13 | 20 | 7 | 11 | - | - | 14.8 | 07/09:30pm | 27.8 | 29.7 | 22.1 | 71 | 3.8 | W | 15 | 30 | 8 | 16 | - | - | 14.8 | 07/09:21pm | 27.5 | 31.2 | 23.9 | 81 | 2.5 | WNW | 11 | 20 | 6 | 11 | - | - | 14.8 | 07/09:02pm | 27.4 | 31.3 | 23.6 | 80 | 2.6 | W | 9 | 13 | 5 | 7 | - | - | 14.8 | 07/09:00pm | 27.3 | 31.6 | 23.7 | 81 | 2.5 | WSW | 7 | 13 | 4 | 7 | - | - | 14.8 | 07/08:30pm | 27.7 | 31.8 | 23.3 | 77 | 3.0 | W | 7 | 13 | 4 | 7 | - | - | 14.8 | 07/08:00pm | 27.8 | 32.0 | 23.2 | 76 | 3.1 | WNW | 6 | 9 | 3 | 5 | - | - | 14.8 | 07/07:30pm | 27.6 | 31.4 | 23.4 | 78 | 2.9 | NW | 9 | 13 | 5 | 7 | - | - | 14.8 | 07/07:00pm | 28.5 | 32.7 | 23.2 | 73 | 3.6 | NW | 6 | 9 | 3 | 5 | - | - | 14.8 | 07/06:30pm | 29.3 | 33.2 | 23.0 | 69 | 4.3 | N | 7 | 13 | 4 | 7 | - | - | 14.8 | 07/06:00pm | 28.8 | 32.1 | 23.2 | 71 | 3.8 | NNW | 11 | 19 | 6 | 10 | - | - | 14.8 | 07/05:30pm | 28.7 | 31.8 | 22.9 | 71 | 4.0 | NNW | 11 | 17 | 6 | 9 | - | - | 14.8 | 07/05:00pm | 28.7 | 33.0 | 22.7 | 70 | 4.1 | WNW | 4 | 13 | 2 | 7 | - | - | 14.8 | 07/04:30pm | 28.1 | 32.1 | 23.7 | 77 | 3.0 | N | 9 | 13 | 5 | 7 | - | - | 14.8 | 07/04:00pm | 26.4 | 31.6 | 24.8 | 91 | 1.1 | N | 6 | 13 | 3 | 7 | - | - | 14.8 | 07/03:30pm | 25.4 | 30.3 | 24.7 | 96 | 0.5 | NNW | 7 | 13 | 4 | 7 | - | - | 14.8 | 07/03:00pm | 25.3 | 29.8 | 24.6 | 96 | 0.5 | NW | 9 | 15 | 5 | 8 | - | - | 14.4 | 07/02:30pm | 24.6 | 29.0 | 24.4 | 99 | 0.1 | NW | 9 | 19 | 5 | 10 | - | - | 14.4 | 07/02:00pm | 24.8 | 29.4 | 24.8 | 100 | 0.0 | WNW | 9 | 15 | 5 | 8 | - | - | 12.2 | 07/01:30pm | 25.1 | 29.4 | 24.9 | 99 | 0.1 | WNW | 11 | 17 | 6 | 9 | - | - | 10.6 | 07/01:00pm | 24.2 | 28.5 | 24.2 | 100 | 0.0 | NNW | 9 | 13 | 5 | 7 | - | - | 10.2 | 07/12:30pm | 24.0 | 27.4 | 24.0 | 100 | 0.0 | NW | 13 | 20 | 7 | 11 | - | - | 7.4 | 07/12:24pm | 24.2 | 28.1 | 24.2 | 100 | 0.0 | NW | 11 | 20 | 6 | 11 | - | - | 6.0 | 07/12:00pm | 24.4 | 28.6 | 24.1 | 98 | 0.2 | NW | 9 | 17 | 5 | 9 | - | - | 4.2 | 07/11:30am | 24.8 | 28.6 | 24.1 | 96 | 0.5 | NW | 11 | 17 | 6 | 9 | - | - | 3.0 |
| Date | Day | Temps | | Rain | Evap | Sun | Max wind gust | | | 9 am | | | | | 3 pm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Min | Max | | | | Dir | Spd | Time | Temp | RH | Cld | Dir | Spd | MSLP | | | Temp | RH | | | | Cld | Dir | Spd | MSLP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | °C | °C | | | | mm | mm | hours | km/h | local | °C | % | g th | km/h | hPa | °C | % | g th | km/h | hPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Su | 19.4 | 29.8 | 0.8 | | | NNW | 80 | 13:38 | 24.3 | 79 | | NNW | 9 | | 20.4 | 95 | | ENE | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Mo | 16.0 | 34.5 | 11.4 | | | NNW | 41 | 11:57 | 25.5 | 56 | | WNW | 11 | | 31.1 | 38 | | E | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Tu | 19.1 | 32.9 | 0 | | | NW | 50 | 12:04 | 28.2 | 51 | | NNE | 9 | | 29.4 | 47 | | NW | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | We | 21.1 | 24.5 | 0 | | | SSE | 44 | 04:38 | 22.2 | 72 | | SSE | 17 | | 23.5 | 66 | | SE | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Th | 19.8 | 26.7 | 0 | | | E | 33 | 15:55 | 22.2 | 76 | | Calm | | | 26.4 | 69 | | NE | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Fr | 21.8 | 30.6 | 0 | | | SSE | 28 | 09:47 | 26.4 | 75 | | NE | 4 | | 30.2 | 60 | | ESE | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Sa | 22.1 | 29.3 | 12.8 | | | W | 30 | 20:29 | 23.7 | 97 | | WNW | 2 | | 25.3 | 96 | | NW | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Su | 19.8 | 29.8 | 14.8 | | | SE | 43 | 13:03 | 26.9 | 67 | | SE | 9 | | 22.3 | 79 | | SE | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date/Time EDT | Temp °C | App Temp °C | Dew Point °C | Rel Hum % | Delta-T °C | Wind | | | | | Press QNH hPa | Press MSL hPa | Rain since 5am mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Dir | Spd km/h | Gust km/h | Spd kts | Gust kts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/11:30pm | 24.4 | 25.2 | 19.0 | 72 | 3.4 | WNW | 13 | 20 | 7 | 11 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/11:00pm | 25.4 | 26.2 | 19.1 | 68 | 4.0 | WNW | 13 | 20 | 7 | 11 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/10:30pm | 26.2 | 26.9 | 19.6 | 67 | 4.3 | WNW | 15 | 24 | 8 | 13 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/10:00pm | 27.5 | 28.8 | 20.1 | 64 | 4.8 | NW | 13 | 20 | 7 | 11 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/09:30pm | 27.8 | 29.7 | 22.1 | 71 | 3.8 | W | 15 | 30 | 8 | 16 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/09:21pm | 27.5 | 31.2 | 23.9 | 81 | 2.5 | WNW | 11 | 20 | 6 | 11 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/09:02pm | 27.4 | 31.3 | 23.6 | 80 | 2.6 | W | 9 | 13 | 5 | 7 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/09:00pm | 27.3 | 31.6 | 23.7 | 81 | 2.5 | WSW | 7 | 13 | 4 | 7 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/08:30pm | 27.7 | 31.8 | 23.3 | 77 | 3.0 | W | 7 | 13 | 4 | 7 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/08:00pm | 27.8 | 32.0 | 23.2 | 76 | 3.1 | WNW | 6 | 9 | 3 | 5 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/07:30pm | 27.6 | 31.4 | 23.4 | 78 | 2.9 | NW | 9 | 13 | 5 | 7 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/07:00pm | 28.5 | 32.7 | 23.2 | 73 | 3.6 | NW | 6 | 9 | 3 | 5 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/06:30pm | 29.3 | 33.2 | 23.0 | 69 | 4.3 | N | 7 | 13 | 4 | 7 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/06:00pm | 28.8 | 32.1 | 23.2 | 71 | 3.8 | NNW | 11 | 19 | 6 | 10 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/05:30pm | 28.7 | 31.8 | 22.9 | 71 | 4.0 | NNW | 11 | 17 | 6 | 9 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/05:00pm | 28.7 | 33.0 | 22.7 | 70 | 4.1 | WNW | 4 | 13 | 2 | 7 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/04:30pm | 28.1 | 32.1 | 23.7 | 77 | 3.0 | N | 9 | 13 | 5 | 7 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/04:00pm | 26.4 | 31.6 | 24.8 | 91 | 1.1 | N | 6 | 13 | 3 | 7 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/03:30pm | 25.4 | 30.3 | 24.7 | 96 | 0.5 | NNW | 7 | 13 | 4 | 7 | - | - | 14.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/03:00pm | 25.3 | 29.8 | 24.6 | 96 | 0.5 | NW | 9 | 15 | 5 | 8 | - | - | 14.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/02:30pm | 24.6 | 29.0 | 24.4 | 99 | 0.1 | NW | 9 | 19 | 5 | 10 | - | - | 14.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/02:00pm | 24.8 | 29.4 | 24.8 | 100 | 0.0 | WNW | 9 | 15 | 5 | 8 | - | - | 12.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/01:30pm | 25.1 | 29.4 | 24.9 | 99 | 0.1 | WNW | 11 | 17 | 6 | 9 | - | - | 10.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/01:00pm | 24.2 | 28.5 | 24.2 | 100 | 0.0 | NNW | 9 | 13 | 5 | 7 | - | - | 10.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/12:30pm | 24.0 | 27.4 | 24.0 | 100 | 0.0 | NW | 13 | 20 | 7 | 11 | - | - | 7.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/12:24pm | 24.2 | 28.1 | 24.2 | 100 | 0.0 | NW | 11 | 20 | 6 | 11 | - | - | 6.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/12:00pm | 24.4 | 28.6 | 24.1 | 98 | 0.2 | NW | 9 | 17 | 5 | 9 | - | - | 4.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/11:30am | 24.8 | 28.6 | 24.1 | 96 | 0.5 | NW | 11 | 17 | 6 | 9 | - | - | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|--|---|--|---|--|---------------------------|-----------------------------|
| Location 1 Dulwich Hill, country side, near commuter car park | JHLOR. Sporadic construction activities (sec fence) adjacent to culvert at 20m distance. No upstream excavation activities at Ewart St or in on this day. Ewart St ERSED: Overland flow is arrested through a series of mid slope berms, coir logs and sediment fences. All pits are covered. No visible discharge of dirty water from site into existing water flows. | Water clarity and colour: Water in main culvert looks clean <i>Side inlet on LHS:</i> Not a clear line of sight due to vegetation growth BUT no sign of dirty water in main culvert <i>Side inlet on RHS:</i> Not a clear line of sight due to vegetation growth BUT no sign of dirty water in main culvert Odour: Nil Description of flow and quantity/ Visible runoff (into the water body): Currently low flow of water but minor signs of damage to vegetation - indicator of high volume flows. Oil and Grease: Nil Details of any foreign objects within the water: Nil Other comments/description: N/A | <div></div> <div>LHS Inlet Unable to see – heavy vegetation growth RHS Inlet Unable to see – heavy vegetation growth</div> | | | |
| Location 2 Hurlstone Park, countryside | No JHLOR construction/excavation activities along the corridor near this location | Water clarity and colour: Odour: N/A Description of flow and quantity/ Visible runoff (into the water body): N/A Oil and Grease: N/A Details of any foreign objects within the water: N/A Other comments/description: N/A | <div>NO PO AVAILABLE – AREA NOT INSPECTED</div> | Area alongside tracks and upstream from the open culvert are heavily vegetated. | | |
| Location 3 | No JHLOR construction/excavation activities along the corridor near this | Water clarity and colour: Clean water at outlet of SW pipe. | | Cooks River – low tide | | |




| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|---|--|---|--|---|---------------------------|-----------------------------|
| West bank of Cook's River | location. Sec fence post/mesh install above Wairoa St bridge (no excavation activities) | Cloudy substance in pond below outlet. Odour: Nil Description of flow and quantity/ Visible runoff (into the water body): Low flow Oil and Grease: Nil Details of any foreign objects within the water: N/A Other comments/description: N/A |  | | | |
| Location 4 Belmore Triangle Access Road | BelmoreT – There is a ballast access road alongside this open channel Access track opens into BelmoreT transit space and also into Stockpile area at BelmoreT Wedge | Water clarity and colour: Clean water through SW pipe. Odour: Nil Description of flow and quantity/ Visible runoff (into the water body): Low flow. No visible signs of sediment flow from ballast access road. Oil and Grease: Nil Details of any foreign objects within the water: N/A Other comments/description: N/A | <p>SW outlet alongside access road.</p>  <p>Redman Pde – Upstream Status & Controls. Sweeper maintaining clean access & roadway.</p>  | This location is alongside a ballast stable track into BelmoreT Belmore Triangle Area: 1.Transit area. 2.Surface in the BelmoreT area is mostly covered by ballast. 3.There is a mid batter berm in place to divide catchment (concrete barrier divider placed). 4.Thick vegetated area around sed fence at bottom of area. Mulch berm added. 5.No stockpiling of spoil in this area as it is only a transit point for plant and vehicles to hi-rail pad and BelmoreT wedge. | | |



| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|--|---|--|--|--|---------------------------|-----------------------------|
| | | | Toe of batter on side of Access road – No photos taken | Belmore Triangle Wedge Area: Stockpiles (spoil and Engineered fill) are located on top of batter above the access road. No sign of spoil movement down slope on ballast access road. Stockpile area is flat. Toe of spoil stockpile is surrounded by double barrier and geofab curtain over barriers | | |
| Location 5 Lakemba, country side | No construction activities on the DWN side of corridor along top of batter at this location No work on the UP side of corridor. Heavily vegetated, long batter slope down to boundary fence. No sign of spoil movement down slope Area around one of the the open culverts is overgrown. | Water clarity and colour: Odour: Clear Description of flow and quantity/ Visible runoff (into the water body): Low flow Oil and Grease: Nil Details of any foreign objects within the water: Nil Other comments/description: Nil | Nth side of corridor (UP side) Drainage network below ground/road – water from road discharges into drop pit. No visual on quality of water. Sth side of corridor – Two culverts (Down Side) No visual on the one culvert- overgrown with vegetation. Clean water flowing through other culvert.  | | | |
| Location 6 Wiley Park, countryside. | No JHLOR construction work on the UP (Nth side) of the tracks for a couple of months. | Water clarity and colour: Eastern culvert has clear water flowing. <ul style="list-style-type: none">Downstream (Nth side): See notes in photo section.Upstream (Sth side): See notes in photo section. | NORTH SIDE OF CORRIDOR Area upstream of Culvert. Inside corridor and Gate WP3 is stabilised – No photos taken Western most culvert NO water flowing in western culvert. | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|------------------|---------------------------------------|--|---|--|--|---------------------------|-----------------------------|
| | | <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): Low flows</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: Nil.</p> <p>Other comments/description: Nil</p> | <div><div>2024-12-08 at 10:35:20</div></div> <p>Middle culvert: No flow. Ponding is due to blockage in outlet on the eastern culvert to which this spills. Clear water in middle culvert.</p> <div><div>2024-12-08 at 10:35:37</div></div> | | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|------------------|---------------------------------------|---------------------------------------|--|--|---------------------------|-----------------------------|
| | | | <div><div><div>2024-12-08 at 10:36:06</div></div><div><div>SOUTH SIDE OF CORRIDOR</div><div><div>2024-12-08 at 11:05:03</div></div></div></div> | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|-----------------------------|---------------------------------------|---------------------------------------|---|--|---------------------------|-----------------------------|
| | | | <p>Middle culvert</p> <p>No standing water from slope runoff with no visual flow through culvert. This inlet area is dry</p>  <p>Eastern most Culvert</p> <p>Low flow, clear water through main culvert. Photos show culvert on corridor side of The Boulevard</p>  | | | |
| Location 7 Bankstown | Nil activities in the area | | <p>No PO available – not inspected – no JHLOR works in catchment.</p> <p>NOTE: This flow line is below ground and runs across the corridor from Nth to Sth and can be seen through pits only. They are all inside corridor.</p> | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|---|--|--|---|--|---------------------------|-----------------------------|
| Location 7ALT City side of Bankstown DOWN track (near Stacey St) | <p>No JHLOR excavation activities have been carried out alongside the corridor near this location in the last+- 2 months weeks.</p> <p>ERSED controls in place either side of culvert – jute mesh with grass and leaf litter stabilising area.</p> | <p>Sth Side</p> <p>Water clarity and colour: Low flow, clear water from LHS outlet</p> <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): see above.</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: No debris in water</p> <p>Other comments/description Nil</p> |  | | | |
| Location 8 Canterbury Compound | <p>No JHLOR construction/excavation activities along the corridor near this location</p> | <p>Water clarity and colour from Culvert Under Corridor. Low flow, slightly turbid water.</p> <p>NOTE: Clear water flow from compound hard stand/asphalt carpark into ballast drain.</p> <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): Turbid water, low flow of water in eastern channel</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: Nil</p> <p>Other comments/description: Nil</p> | <p>Inside Canterbury Compound No water flow through ballast channel. No odour and no oil & grease</p> <div></div> | No excavation activities along the corridor near this location | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|------------------|---------------------------------------|---------------------------------------|---|--|---------------------------|-----------------------------|
| | | | <div>Eastern Channel. Outside Canterbury Compound boundary alongside pedestrian footpath:</div> <div>Upstream from JHLOR discharge point: Clean water flow.</div> <div></div> <div>Downstream from JHLOR discharge point:</div> <div>Downstream water observed to be clear. NOTE: Sign of batter slip on LHS of open channel, however vegetation growth obstructs line of sight.</div> <div></div> | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|-------------------------------------|---|---|--|--|---------------------------|-----------------------------|
| | | | | | | |
| Location 9 Bankstown Platform works | Culvert backfilled. No further inspections required for this waterway. | Water clarity and colour: Odour: Description of flow and quantity/ Visible runoff (into the water body): Oil and Grease: Details of any foreign objects within the water: Other comments/description | JHLOR site. Brick culvert filled in. No reporting & no photos required | | | |

SWMC and BEW. Water Quality Monitoring Programme - Environmental Condition Surveys (CoA C8b)

| | |
|------------------------------|---|
| Inspection type | Rain Event 09/01/2025(#46) |
| Rainfall (in previous 24hrs) | 40.4 mm |
| Inspection by | Andre Kruize and Ted Zhang |
| Date(s) of inspection | Thursday 09/01/25 (07:30 onwards) |
| Other general notes | Cant Compound - Rain data, inspection and photos were taken through the corridor during the inspection Weather data from Canterbury Weather Station. |

2025-01-09 at 07:29:19

Bureau of Meteorology

NSW VIC QLD WA SA TAS ACT

Latest Weather Observations for Canterbury

ID: 055194

Issued at 7:22 am EDT Thursday 9 January 2025 (issued every 10 minutes, with the page automatically refreshed every 10 minutes)

[About weather observations](#) | [Map of Sydney area stations](#) | [Latest observations for Sydney area](#) | [Other Formats](#)

Station Details: ID: 055194 Name: CANTERBURY RACECOURSE AWS Lat: -33.91 Lon: 151.11 Height: 3.0 m

Data from the previous 72 hours. | See also: [Recent months at Canterbury](#)

| Data/Time EDT | Temp °C | App Temp °C | Dew Point °C | Rel Hum % | Delta-T °C | Dir | Spd km/h | Gust km/h | Spd kts | Gust kts | Press QNH hPa | Press MSL hPa | Rain since 3am mm |
|---------------|---------|-------------|--------------|-----------|------------|------|----------|-----------|---------|----------|---------------|---------------|-------------------|
| 09/07:00am | 17.0 | 18.3 | 17.0 | 100 | 0.0 | WNW | 6 | 9 | 3 | 5 | - | - | 40.4 |
| 09/06:30am | 16.8 | 19.1 | 16.8 | 100 | 0.0 | CALM | 0 | 0 | 0 | 0 | - | - | 40.4 |
| 09/06:00am | 17.0 | 18.3 | 17.0 | 100 | 0.0 | WSW | 6 | 11 | 3 | 6 | - | - | 40.4 |
| 09/05:30am | 17.3 | 18.5 | 17.3 | 100 | 0.0 | SW | 7 | 13 | 4 | 7 | - | - | 40.2 |
| 09/05:00am | 17.2 | 18.5 | 17.2 | 100 | 0.0 | SW | 6 | 9 | 3 | 5 | - | - | 40.2 |
| 09/04:37am | 17.3 | 18.5 | 17.3 | 100 | 0.0 | SW | 7 | 11 | 4 | 6 | - | - | 40.2 |
| 09/04:30am | 17.4 | 18.2 | 17.4 | 100 | 0.0 | SW | 9 | 13 | 5 | 7 | - | - | 40.0 |
| 09/04:10am | 17.4 | 18.2 | 17.4 | 100 | 0.0 | SW | 9 | 15 | 5 | 8 | - | - | 38.0 |
| 09/04:00am | 17.5 | 18.4 | 17.5 | 100 | 0.0 | SW | 9 | 15 | 5 | 8 | - | - | 37.8 |
| 09/03:30am | 17.8 | 19.2 | 17.8 | 100 | 0.0 | WSW | 7 | 13 | 4 | 7 | - | - | 37.8 |
| 09/03:00am | 17.8 | 18.8 | 17.8 | 100 | 0.0 | SW | 9 | 20 | 5 | 11 | - | - | 37.8 |
| 09/02:30am | 17.9 | 18.5 | 17.9 | 100 | 0.0 | SSW | 11 | 17 | 6 | 9 | - | - | 37.8 |
| 09/02:00am | 18.1 | 18.9 | 18.1 | 100 | 0.0 | S | 11 | 19 | 6 | 10 | - | - | 37.8 |
| 09/01:30am | 17.8 | 18.8 | 17.8 | 100 | 0.0 | SSE | 9 | 17 | 5 | 9 | - | - | 37.8 |
| 09/01:25am | 17.7 | 18.3 | 17.7 | 100 | 0.0 | SSE | 11 | 17 | 6 | 9 | - | - | 37.8 |
| 09/01:00am | 17.6 | 17.8 | 17.6 | 100 | 0.0 | S | 13 | 20 | 7 | 11 | - | - | 35.4 |
| 09/12:30am | 17.3 | 17.3 | 17.3 | 100 | 0.0 | S | 13 | 24 | 7 | 13 | - | - | 33.2 |
| 09/12:00am | 17.7 | 17.9 | 17.7 | 100 | 0.0 | SSE | 13 | 26 | 7 | 14 | - | - | 29.0 |


| Data/Time EDT | Temp °C | App Temp °C | Dew Point °C | Rel Hum % | Delta-T °C | Dir | Spd km/h | Gust km/h | Spd kts | Gust kts | Press QNH hPa | Press MSL hPa | Rain since 3am mm |
|---------------|---------|-------------|--------------|-----------|------------|-----|----------|-----------|---------|----------|---------------|---------------|-------------------|
| 08/11:30pm | 17.7 | 17.2 | 17.7 | 100 | 0.0 | S | 17 | 28 | 9 | 15 | - | - | 24.4 |
| 08/11:00pm | 17.9 | 17.0 | 17.7 | 99 | 0.1 | S | 19 | 33 | 10 | 18 | - | - | 20.2 |
| 08/10:30pm | 18.0 | 17.8 | 17.5 | 97 | 0.3 | S | 15 | 22 | 8 | 12 | - | - | 17.2 |
| 08/10:00pm | 18.2 | 17.8 | 17.2 | 94 | 0.6 | S | 15 | 24 | 8 | 13 | - | - | 16.0 |
| 08/10:00pm | 18.1 | 17.3 | 17.1 | 94 | 0.6 | S | 17 | 26 | 9 | 15 | - | - | 15.8 |



2025-01-09 at 07:29:37



Internal Webs... BOM Radar WeatherZone Asite TIME IMPACT AU - Home Laserfiche



| | | | | | | | | | | | | | |
|------------|------|------|------|-----|-----|-----|----|----|---|----|---|---|------|
| 09/01:30am | 17.0 | 18.0 | 17.0 | 100 | 0.0 | SSE | 9 | 17 | 5 | 9 | - | - | 37.8 |
| 09/01:25am | 17.7 | 18.3 | 17.7 | 100 | 0.0 | SSE | 11 | 17 | 6 | 9 | - | - | 37.8 |
| 09/01:00am | 17.6 | 17.8 | 17.6 | 100 | 0.0 | S | 13 | 20 | 7 | 11 | - | - | 35.4 |
| 09/12:30am | 17.3 | 17.3 | 17.3 | 100 | 0.0 | S | 13 | 24 | 7 | 13 | - | - | 33.2 |
| 09/12:00am | 17.7 | 17.9 | 17.7 | 100 | 0.0 | SSE | 13 | 26 | 7 | 14 | - | - | 29.0 |



| Data/Time EDT | Temp °C | App Temp °C | Dew Point °C | Rel Hum % | Delta-T °C | Dir | Spd km/h | Gust km/h | Spd kts | Gust kts | Press QNH hPa | Press MSL hPa | Rain since 3am mm |
|---------------|---------|-------------|--------------|-----------|------------|-----|----------|-----------|---------|----------|---------------|---------------|-------------------|
| 08/11:30pm | 17.7 | 17.2 | 17.7 | 100 | 0.0 | S | 17 | 28 | 9 | 15 | - | - | 24.4 |
| 08/11:00pm | 17.9 | 17.0 | 17.7 | 99 | 0.1 | S | 19 | 33 | 10 | 18 | - | - | 20.2 |
| 08/10:30pm | 18.0 | 17.8 | 17.5 | 97 | 0.3 | S | 15 | 22 | 8 | 12 | - | - | 17.2 |
| 08/10:00pm | 18.2 | 17.8 | 17.2 | 94 | 0.6 | S | 15 | 24 | 8 | 13 | - | - | 16.0 |
| 08/10:00pm | 18.1 | 17.3 | 17.1 | 94 | 0.6 | S | 17 | 26 | 9 | 15 | - | - | 15.8 |
| 08/09:30pm | 17.8 | 16.9 | 16.8 | 94 | 0.6 | S | 17 | 28 | 9 | 15 | - | - | 15.8 |
| 08/09:00pm | 17.9 | 16.7 | 16.1 | 89 | 1.1 | S | 17 | 33 | 9 | 18 | - | - | 15.8 |
| 08/08:30pm | 17.5 | 16.6 | 15.8 | 90 | 1.0 | S | 15 | 30 | 8 | 16 | - | - | 15.8 |
| 08/08:00pm | 17.3 | 16.0 | 15.8 | 91 | 0.9 | S | 17 | 30 | 9 | 16 | - | - | 15.2 |
| 08/07:30pm | 17.5 | 15.8 | 15.7 | 89 | 1.1 | S | 19 | 32 | 10 | 17 | - | - | 14.2 |
| 08/07:00pm | 17.4 | 16.3 | 16.3 | 93 | 0.7 | S | 17 | 28 | 9 | 15 | - | - | 13.8 |
| 08/06:30pm | 17.5 | 15.9 | 16.0 | 91 | 0.9 | S | 19 | 30 | 10 | 16 | - | - | 13.0 |
| 08/06:00pm | 18.1 | 15.8 | 15.7 | 86 | 1.4 | S | 22 | 35 | 12 | 19 | - | - | 12.6 |
| 08/05:30pm | 18.3 | 15.9 | 15.4 | 83 | 1.7 | S | 22 | 41 | 12 | 22 | - | - | 12.4 |
| 08/05:00pm | 17.8 | 16.1 | 15.8 | 88 | 1.2 | S | 19 | 33 | 10 | 18 | - | - | 12.4 |
| 08/04:58pm | 17.8 | 16.2 | 16.0 | 89 | 1.1 | S | 19 | 33 | 10 | 18 | - | - | 12.4 |
| 08/04:30pm | 17.5 | 16.7 | 17.0 | 97 | 0.3 | SSE | 17 | 28 | 9 | 15 | - | - | 12.4 |
| 08/04:00pm | 17.4 | 15.8 | 16.6 | 95 | 0.5 | SSE | 20 | 32 | 11 | 17 | - | - | 12.2 |
| 08/03:54pm | 17.4 | 15.8 | 16.6 | 95 | 0.5 | SSE | 20 | 35 | 11 | 19 | - | - | 12.2 |
| 08/03:30pm | 17.6 | 16.2 | 17.0 | 96 | 0.4 | SSE | 20 | 32 | 11 | 17 | - | - | 12.0 |
| 08/03:00pm | 17.4 | 16.1 | 16.8 | 96 | 0.4 | S | 19 | 32 | 10 | 17 | - | - | 11.0 |
| 08/02:30pm | 17.5 | 16.2 | 16.7 | 95 | 0.5 | S | 19 | 33 | 10 | 18 | - | - | 8.4 |
| 08/02:14pm | 17.9 | 17.0 | 16.9 | 94 | 0.6 | SSE | 17 | 30 | 9 | 16 | - | - | 8.0 |
| 08/02:07pm | 17.9 | 17.4 | 16.8 | 93 | 0.7 | SSE | 15 | 30 | 8 | 16 | - | - | 5.6 |
| 08/02:00pm | 17.9 | 17.4 | 16.9 | 94 | 0.6 | S | 15 | 22 | 8 | 12 | - | - | 5.6 |
| 08/01:48pm | 17.9 | 17.0 | 16.8 | 93 | 0.7 | S | 17 | 28 | 9 | 15 | - | - | 5.0 |
| 08/01:30pm | 17.9 | 16.3 | 16.6 | 92 | 0.8 | S | 20 | 37 | 11 | 20 | - | - | 4.6 |



| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|---|---|---|---|--|--|---------------------------|-----------------------------|
| Location 1 Dulwich Hill MSB (Ewart Culvert), country side of commuter car park | JHLOR. Sporadic construction activities (sec fence) adjacent to culvert at 20m distance (no excavation). No upstream excavation activities at Ewart St on this day. Ewart St ERSED: Overland flow is arrested through a series of mid slope berms, coir logs and sediment fences. All pits are covered. No visible discharge of dirty water from site into existing water flow lines. | Water clarity and colour: Water in main culvert looks clean <i>Side inlet on LHS:</i> Not a clear line of sight due to vegetation growth Reduced visual BUT what can be seen looks like clean flow (no cloud plume in main culvert) <i>Side inlet on RHS:</i> Not a clear line of sight due to vegetation growth BUT no sign of dirty water plume in main culvert Odour: Nil Description of flow and quantity/ Visible runoff (into the water body): Currently low flow of water but signs of damage to vegetation - indicator of high volume flows. Oil and Grease: Nil Details of any foreign objects within the water: Nil Other comments/description: N/A | <div><div>2025-01-09 at 09:16:30</div></div> <div>LHS Inlet Not a clear line of sight – heavy vegetation growth, but what can be seen looks like clean flow. No cloud plume in main culvert. RHS Inlet Not a clear line of sight – heavy vegetation growth. No cloud plume in main culvert</div> | | | | |
| Location 2 | No JHLOR construction/excavation activities along the | Water clarity and colour: Odour: N/A | NO PO AVAILABLE – AREA NOT INSPECTED | | Area alongside tracks and upstream from the | | |



| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|---|--|--|---|--|---------------------------|-----------------------------|
| Hurlstone Park, countryside | corridor near this location | Description of flow and quantity/ Visible runoff (into the water body): N/A Oil and Grease: N/A Details of any foreign objects within the water: N/A Other comments/description: N/A | | open culvert are heavily vegetated. | | |
| Location 3 West bank of Cook's River | No JHLOR construction/excavation activities along the corridor near this location. Sec fence post/mesh install above Wairoa St bridge (no excavation activities) | Water clarity and colour: Clean water at outlet of SW pipe. Water in river is cloudy. Odour: Nil Description of flow and quantity/ Visible runoff (into the water body): Low flow Oil and Grease: Nil Details of any foreign objects within the water: N/A Other comments/description: N/A | <div>SW outlet alongside access road.</div> <div></div> | Cooks River – low tide | | |
| Location 4 Belmore Triangle Access Road | BelmoreT – There is a ballast access road alongside this open channel Access track opens into BelmoreT transit space and also into Stockpile area at BelmoreT Wedge | Water clarity and colour: Clean water through SW pipe. Odour: Nil Description of flow and quantity/ Visible runoff (into the water body): Low flow. No visible signs of sediment flow from ballast access road. Oil and Grease: Nil Details of any foreign objects within the water: N/A | <div>SW outlet alongside access road.</div> <div></div> <div>Redman Pde – Upstream Status & Controls. Sweeper maintaining clean access & roadway.</div> | This location is alongside a ballast stable track into BelmoreT Belmore Triangle Area: 1.Transit area. 2.Surface in the BelmoreT area is mostly covered by ballast. 3.There is a mid batter berm in place to divide catchment (concrete barrier divider placed). 4.Thick vegetated area around sed | | |




| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|---|---|--|---|--|--|---------------------------|-----------------------------|
| | | Other comments/description: N/A | <div><div></div><div><p>Toe of batter on side of Access road – ponding of rain water. Obscured line of sight for photos due to heavy vegetation growth</p></div></div> | | fence at bottom of area. Mulch berm added. 5.No stockpiling of spoil in this area as it is only a transit point for plant and vehicles to hi-rail pad and BelmoreT wedge. Belmore Triangle Wedge Area: Stockpiles (spoil and Engineered fill) are located on top of batter above the access road. No sign of spoil movement down slope on ballast access road. Stockpile area is flat. Toe of spoil stockpile is surrounded by double barrier and geofab curtain over barriers | | |
| Location 5 Lakemba, country side | No construction activities on the DWN side of corridor along top of batter at this location No work on the UP side of corridor. Heavily vegetated, long batter slope down to boundary fence. No sign of spoil movement down slope Area around both open culverts is overgrown. | Water clarity and colour: Odour: Clear Description of flow and quantity/ Visible runoff (into the water body): Low flow Oil and Grease: Nil Details of any foreign objects within the water: Nil Other comments/description: Nil | <p>Nth side of corridor (UP side) Drainage network below ground/road – water from road discharges into drop pit. No visual on quality of water.</p> <p>Sth side of corridor – Two culverts (Down Side) Obscured visual on the culvert- overgrown with vegetation. Looks like clean water flowing through both culverts.</p> | | | | |


| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|--|--|---|--|--|---------------------------|-----------------------------|
| | | |  | | | |
| Location 6 Wiley Park, countryside. | No JHLOR excavation works on the UP & DWN side of the tracks | <p>Water clarity and colour: Eastern culvert has clear water flowing.</p> <ul style="list-style-type: none">Downstream (Nth side): See notes in photo section.Upstream (Sth side): See notes in photo section. <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): Low flows</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: Nil.</p> <p>Other comments/description: Nil</p> | <p>NORTH SIDE OF CORRIDOR</p> <p>Area upstream of Culvert. Inside corridor and Gate WP3 is stabilised – No photos taken Flow line shown in concrete gutter – water looks clean.</p>  <p>Western most culvert</p> <p>NO water flowing in western culvert – leaf litter is stationary No water flowing in from upstream inlet.</p> | | | |


| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|------------------|---------------------------------------|---------------------------------------|--|--|---------------------------|-----------------------------|
| | | | <div><div><div>2025-01-09 at 07:27:08</div></div><div><div>Middle culvert:</div><div>No flow. Ponding is due to blockage in outlet on the eastern culvert to which this spills. Clear water in middle culvert.</div><div><div>2025-01-09 at 07:27:29</div></div><div><div>Eastern most culvert</div><div>Low flow, clear water through main culvert. No spill, through flow from adjacent western culverts as it seems blocked. No oil & grease. No odour. Photos show culvert on corridor side of Urunga Pde.</div></div></div></div> | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|------------------|---------------------------------------|---------------------------------------|--|--|---------------------------|-----------------------------|
| | | | <div><p>SOUTH SIDE OF CORRIDOR</p><p>Western most culvert Low flow. Clear water flowing through main culvert.</p><p>Middle culvert No standing water from slope runoff with no visual flow through culvert.</p></div> | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | | | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|----------------------|---------------------------------------|---------------------------------------|---|--|--|--|---------------------------|-----------------------------|
| | | | <div><div><div>2025-01-09 at 08:12:31</div></div><div><div>2025-01-09 at 08:11:58</div></div></div> <div>Eastern most Culvert Low flow, clear water through main culvert. Photos show culvert on corridor side of The Boulevard</div> | | | | | |
| Location 7 Bankstown | Nil activities in the area | | <div>No PO available – not inspected – no JHLOR works in catchment. NOTE: This flow line is below ground and runs across the corridor from Nth to Sth and can be seen through pits only. They are all inside corridor.</div> | | | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|---|---|---|--|--|---------------------------|-----------------------------|
| Location 7ALT City side of Bankstown DOWN track (near Stacey St) | <p>No JHLOR excavation activities have been carried out alongside the corridor near this location in the last couple of months.</p> <p>ERSED controls in place either side of culvert – jute mesh with grass and leaf litter stabilising area/slopes.</p> | <p>5th Side</p> <p>Water clarity and colour: Low flow, clear water from LHS outlet</p> <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): see above.</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: No debris in water</p> <p>Other comments/description Nil</p> |  | | | |
| Location 8 Canterbury Compound | <p>No JHLOR construction/excavation activities along the corridor near this location</p> | <p>Water clarity and colour from Culvert Under Corridor. Low flow, slightly turbid water.</p> <p>NOTE: There is clear water flow from compound hard stand/asphalt carpark into ballast drain.</p> <p>Odour: Nil</p> <p>Description of flow and quantity/ Visible runoff (into the water body): Turbid water, low flow of water in eastern channel</p> <p>Oil and Grease: Nil</p> <p>Details of any foreign objects within the water: Nil</p> <p>Other comments/description: Nil</p> | <p>Inside Canterbury Compound</p> <p>Low water flow through ballast channel. No odour and no oil & grease. Water is clean</p> <div></div> | No excavation activities along the corridor near this location | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|------------------|---------------------------------------|---------------------------------------|--|--|---------------------------|-----------------------------|
| | | | <p>Eastern Channel. Outside Canterbury Compound boundary alongside pedestrian footpath:</p> <p><u>Upstream from JHLOR discharge point.</u> Water observed to be slightly turbid.</p>  <p><u>Downstream from JHLOR discharge point:</u> Downstream water observed to be slightly turbid. NOTE: Sign of batter slip on LHS of open channel, however vegetation growth obstructs line of sight.</p> | | | |

| Inspection Type: | JHLOR Construction Activities in area | Comments from Inspection of waterways | Photos | | | Additional Observations Are there any impacts related to JHLOR construction works | Follow up action required | Outcome of follow up action |
|--|---|---|--|--|--|--|---------------------------|-----------------------------|
| | | |  | | | | | |
| Location 9 Bankstown Platform works | Culvert backfilled. No further inspections required for this waterway. | Water clarity and colour: Odour: Description of flow and quantity/ Visible runoff (into the water body): Oil and Grease: Details of any foreign objects within the water: Other comments/description | JHLOR site. Brick culvert filled in. No reporting & no photos required | | | | | |

Appendix B – Noise Monitoring Report

EPL 21147

R4.4 Validation Report

SWMC Truncation & Separation Stage-1 (30. Sep. 2024 - 08. Oct. 2024)

Security Fence auguring, Post and Panel/mesh screens; OHW footing installation; OHW structure installation, OHW cable dropping and pulling; GST Installation; Installation of Brackets at Stations; PSD and MGF installation; Bankstown upper platform and drainage construction; Bankstown Sydney Trains platform demolishing; Bankstown Sydney Trains platform hoarding board installation; Track side signal equipment demolition, Punchbowl Station parcel office demolition, Track reconditioning; Guard rail installation; Cabling and Trackside Equipment.

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 |
|----------|------------|-------------------|---------------|----------------|
| 00 | 18/10/2024 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
| | | | | |
| | | | | |
| | | | | |

Management reviews

| Review date | Details | Reviewed by |
|-------------|---------|-------------|
| | | |
| | | |

| | | | | |
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|-------------|----|-----------|---------------|-----|

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2. A copy of the community notification required under Condition L5.124

3. Noise monitoring as required by L5.8(d)4

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R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.6 & L5.7 by no later than 2 business days from the end of each fortnight.6

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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 over from 30th September 2024 to 8th October 2024 during the Truncation & Separation Stage-1 Rail Possession.

The possession is limited from Belmore Station to Yagoona Station on Sydney Train track for Truncation from 30th September 2024. From 4th October 2024, the Separation started and the possession extended from Sydenham Station to Yagoona Station on Sydney Train track.

The following activities were carried under condition L5.6 - Local Possessions;

- Security Fence auguring, Post and Panel/mesh screens;
- Segregation fence auguring, Post and Panel/mesh screens
- OHW footing installation;
- OHW structure installation,
- OHW cable dropping and pulling;
- GST Installation;
- Installation of Brackets at Stations;
- PSD and MGF installation;
- Bankstown upper platform and drainage construction;
- Bankstown Sydney Trains platform demolishing;
- Bankstown Sydney Trains platform hoarding board installation;
- Track side signal equipment demolition,
- Punchbowl Station parcel office demolition,
- Track reconditioning;
- Guard rail installation;
- Cabling and Tracksides Equipment.

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

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

- Excavators 3T, 6 and 13T (inc jack hammer, auguring and demolition attachments)
- Balloon tyre dump trucks (Hydrema)
- Light vehicles
- Trucks
- Payloader
- Handheld powered tools
- Vac Trucks
- EWP/telehandler
- Front-end loader
- Concrete truck and line pump
- Portable Generators
- Compressors

- Compactor
- Bogie
- Water pumps
- 4T Dumpy
- Site lights
- Mobile crane
- Tamper
- Regulator

2. A copy of the community notification required under Condition L5.12

A copy of the community notification required under Condition L5.12 is appended as **Attachment 2**.

3. Noise monitoring as required by L5.8(d)

Truncation & Separation Stage-1 (30. Sep. 2024 - 08. Oct. 2024) noise monitoring was carried out at 12 locations on the perimeter of the rail corridor.

Based on program of the construction:

- Truncation started from 30. Sep 2024, 6 monitoring locations has been monitored from 30. Sep 2024.
- Separation started from 4. Oct 2024, additional 6 monitoring locations has been monitored from 4. Oct. 2024.

All monitoring locations are closer to the source of the noise than the nearest sensitive receiver.

Note: calculation will be done where the noise at monitoring location exceeds the predicted level at the nearest sensitive receiver.

6 monitoring locations enabling from 30. Sep 2024 for Truncation:

- NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.
 - Noise Monitor is 1 m from the source of the noise
 - Sensitive Receiver is 4 m from the source of the noise
- NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.
 - Noise Monitor is 30 m from the source of the noise
 - Sensitive Receiver is 55 m from the source of the noise
- NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.
 - Noise Monitor is 26 m from the source of the noise
 - Sensitive Receiver is 39 m from the source of the noise
- NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown.
 - Noise Monitor is 25 m from the source of the noise
 - Sensitive Receiver is 142 m from the source of the noise
- NCA 12 - (HEX618) 168m NW of 2 West Terrace, Bankstown.
 - Noise Monitor is 15 m from the source of the noise (track)
 - Sensitive Receiver is 39 m from the source of the noise (track)
- NCA 12 - (HEX646) 66m S of 21 Bungalow Crescent, Bankstown.
 - Noise Monitor is 12 m from the source of the noise
 - Sensitive Receiver is 75 m from the source of the noise

6 monitoring locations enabling from 4. Oct. 2024 for Separation:

- g. NCA 14 - (HEX615) 5m E of 110 Railway Rd, Sydenham.
 - Noise Monitor is 15 m from the source of the noise
 - Sensitive Receiver is 16 m from the source of the noise
- h. NCA 14 - (HEX548) 20m W of 29 Bridge St, Tempe.
 - Noise Monitor is 17 m from the source of the noise
 - Sensitive Receiver is 30 m from the source of the noise
- i. NCA 01 - (HEX548) 75m SW of 133 Meeks Rd, Marrickville.
 - Noise Monitor is 25 m from the source of the noise
 - Sensitive Receiver is 50 m from the source of the noise
- j. NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.
 - Noise Monitor is 10 m from the source of the noise
 - Sensitive Receiver is 15 m from the source of the noise
- k. NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.
 - Noise Monitor is 17 m from the source of the noise
 - Sensitive Receiver is 17 m from the source of the noise
- l. NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill.
 - Noise Monitor is 21 m from the source of the noise
 - Sensitive Receiver is 32 m from the source of the noise

Refer to **Appendix 1** for noise monitoring results.

4. Details of any exceedances of predicted noise levels;

Noise (LAeq 15min) data was collected at the 12 locations between the 30th September 2024 to 8th October 2024, all Out Of Hour Works (OOHW) shift has been assessed.

During Truncation & Separation Stage-1, there were no exceedances of the noise predictions generated from the JHLORJV construction activity.

5. 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 following noise mitigation measures are implemented:

- Potential source noise controls include mufflers fitted to exhausts, regular maintenance of plant, acoustic enclosure of machinery on plant items, non-tonal reversing alarms fitted to plant.
- General monthly community notification.
- Specific notification to impacted residents were provided no later than 5 days out from start of possession.
- Additional mitigation measures such as Alternative Accommodation and Respite Offers.
- Use of real time noise monitors at targeted work locations. Periodic desk top checks on data collected by the 12 real time monitoring instruments were carried out during work periods.
- Environmental surveillance
- On site mitigation instructions to crews:
 - No music, no dropping of objects
 - No shouting or unnecessary noise
 - Be respectful of neighbors when coming and going from site. As far as possible, avoid congregating near residential property boundaries.

- Position plant as far from residents as possible and orientate them if possible, to emit noise on non-resident side.
- Plant to be switched off when not in use.

6. 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 Truncation & Separation Stage-1 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 L5.6 (Local Possession). 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.

Construction activities occurring within the rail corridor/danger zone can only be safely conducted during a rail possession during the absence of trains.

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 L5.6 & L5.7 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 – Noise Monitoring Results

- Monitoring Result
- Monitoring Location

Table 1. Monitoring Location A: NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|---|--|---|-----------|---|
| 1 | 30/09/2024 To 01/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 61 | 67 | YES | <ul style="list-style-type: none">RBL: 35 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (61 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 01/10/2024 To 02/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 62 | 67 | YES | <ul style="list-style-type: none">RBL: 35 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (62 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 02/10/2024 To 03/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 56 | 67 | YES | <ul style="list-style-type: none">RBL: 35 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (56 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 03/10/2024 To 04/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Due to the monitoring location being 1m from the source of the noise and sensitive receiver being 5m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 56 (further attenuation from noise mats) | 67 | YES | <ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (56 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area triggered same offers for additional mitigation measures as prediction.Appropriate additional mitigation measures being offered.No further additional mitigation measures required. |
| 5 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 59 | 67 | YES | <ul style="list-style-type: none">RBL: 35 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (59 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | 62 | 67 | YES | <ul style="list-style-type: none">RBL: 35 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (62 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 67 | 73 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 67 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (67 dBA) is lower than the predicted level (73 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | 55 | 67 | YES | <ul style="list-style-type: none">RBL: 35 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 55 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (55 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 9 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 68 | 73 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (68 dBA) is lower than the predicted level (73 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 10 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 58 | 67 | YES | <ul style="list-style-type: none">RBL: 35 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (58 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 2. Monitoring Location B: NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|--|---|-----------|--|
| 1 | 30/09/2024 To 01/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 54 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 51 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (51 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 01/10/2024 To 02/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 58 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (58 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 02/10/2024 To 03/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 53 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 53 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (53 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 03/10/2024 To 04/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 55 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 55 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (55 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 58 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (58 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | 56 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (56 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 59 | 64 | YES | <ul style="list-style-type: none">RBL: 47 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (59 dBA) is lower than the predicted level (64 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | 54 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 54 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (54 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 9 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 61 | 64 | YES | <ul style="list-style-type: none">RBL: 47 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (61 dBA) is lower than the predicted level (64 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered. |
| 10 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 56 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (56 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 3. Monitoring Location C: NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|---|---|---|-----------|---|
| 1 | 30/09/2024 To 01/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 59 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (59 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 01/10/2024 To 02/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 58 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (58 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 02/10/2024 To 03/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 57 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (57 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 03/10/2024 To 04/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 63 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (63 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 62 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (62 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | 56 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (56 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 62Excluding the following non-construction related event being identified:<div><div>6/10/2024 7:30</div><div>Urban Traffic</div><div>59</div></div><div><div>6/10/2024 12:15</div><div>Urban Siren</div><div>61</div></div><div><div>6/10/2024 13:00</div><div>Urban Traffic</div><div>60</div></div><div><div>6/10/2024 16:45</div><div>Urban Traffic</div><div>62</div></div><div><div>6/10/2024 20:00</div><div>Urban Traffic</div><div>60</div></div> | 57 | YES | <ul style="list-style-type: none">RBL: 47 dBALAeq15min matched predictions.Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (57 dBA) is equal to the predicted level (57 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | 56 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 54 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (54 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 9 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 60Excluding the following non-construction related event being identified:<div><div>7/10/2024 9:00</div><div>Urban Traffic</div><div>58</div></div><div><div>7/10/2024 10:30</div><div>Animal Activity</div><div>57</div></div><div><div>7/10/2024 10:45</div><div>Animal Activity</div><div>59</div></div><div><div>7/10/2024 16:45</div><div>Urban Traffic</div><div>56</div></div><div><div>7/10/2024 17:30</div><div>Urban Traffic</div><div>60</div></div><div><div>7/10/2024 20:00</div><div>Urban Traffic</div><div>57</div></div> | 57 | YES | <ul style="list-style-type: none">RBL: 47 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (56 dBA) is lower than the predicted level (57 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 10 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 57 | 65 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (57 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 4. Monitoring Location D: NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|---|---|-----------|---|
| 1 | 30/09/2024 To 01/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWVP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 65 | 68 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (65 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 01/10/2024 To 02/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 68 | 68 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min equal to predictions.Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (68 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 02/10/2024 To 03/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 64 | 68 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 64 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (64 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 03/10/2024 To 04/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 65 | 68 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (65 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 64 | 68 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 64 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (64 dBA) is lower than the predicted level (67 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | 65 | 68 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (65 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 65 | 69 | YES | <ul style="list-style-type: none">RBL: 54 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (65 dBA) is lower than the predicted level (69 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified: 7/10/2024 03:45 Urban Siren 71Construction related LAeq in period at Monitoring Location is 65 | 68 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (65 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 9 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 68 | 69 | YES | <ul style="list-style-type: none">RBL: 54 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (68 dBA) is lower than the predicted level (69 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 10 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 63 | 68 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (63 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 5. Monitoring Location E: NCA 12 - (HEX618) 168m NW of 2 West Terrace, Bankstown

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|--|---|-----------|---|
| 1 | 30/09/2024 To 01/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 62 | 72 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (65 dBA) is lower than the predicted level (72 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 01/10/2024 To 02/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 68 | 72 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (68 dBA) is lower than the predicted level (72 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 02/10/2024 To 03/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 60 | 72 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (60 dBA) is lower than the predicted level (72 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 03/10/2024 To 04/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 60 | 72 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (60 dBA) is lower than the predicted level (72 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 61 | 72 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (61 dBA) is lower than the predicted level (72 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | 59 | 72 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (59 dBA) is lower than the predicted level (72 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 61 | 74 | YES | <ul style="list-style-type: none">RBL: 54 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (61 dBA) is lower than the predicted level (74 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | 54 | 72 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 54 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (54 dBA) is lower than the predicted level (72 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 9 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 58 | 74 | YES | <ul style="list-style-type: none">RBL: 54 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (58 dBA) is lower than the predicted level (74 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 10 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 58 | 72 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (58 dBA) is lower than the predicted level (72 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 6. Monitoring Location F: NCA 12 - (HEX646) 66m S of 21 Bungalow Crescent, Bankstown

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|---|--|---|-----------|---|
| 1 | 30/09/2024 To 01/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWVP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpSite lightsMobile Crane | 60 | 66 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (60 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 01/10/2024 To 02/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 58 | 66 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (58 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 02/10/2024 To 03/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 57 | 66 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (57 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 03/10/2024 To 04/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 63 | 66 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (63 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 60 | 66 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (60 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for Respite. |
| 6 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 65Excluding the following non-construction related event being identified: 6/10/2024 04:15 Urban Siren 65Construction related LAeq in period at Monitoring Location is 53 | 66 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 53 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (53 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 57 | 64 | YES | <ul style="list-style-type: none">RBL: 54 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (57 dBA) is lower than the predicted level (64 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | 63 | 66 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (63 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 9 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 57 | 64 | YES | <ul style="list-style-type: none">RBL: 54 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (57 dBA) is lower than the predicted level (64 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 10 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 61 | 66 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (61 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 7. Monitoring Location G: NCA 14 - (HEX615) 5m E of 110 Railway Rd, Sydenham

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|---|---|-----------|--|
| 1 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 70 | 74 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 70 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (70 dBA) is lower than the predicted level (74 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | 74 | 74 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min equals to predictions.Noise monitor detect highest LAeq15min value of 74 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (74 dBA) is equal to the predicted level (74 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 78 | 74 | YES | <ul style="list-style-type: none">RBL: 51 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 78 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (78 dBA) is higher than the predicted level (74 dBA)Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Day shift works) in this area triggered same offers for additional mitigation measures as predicted.Additional mitigation measures being offered is valid and appropriate.No further additional mitigation measures required. |
| 4 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 75Excluding the following non-construction related event being identified: 6/10/2024 23:45 T4 Train 75Construction related LAeq in period at Monitoring Location is 72 | 74 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 72 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (72 dBA) is lower than the predicted level (74 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 78 | 74 | YES | <ul style="list-style-type: none">RBL: 51 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 78 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (78 dBA) is higher than the predicted level (74 dBA)Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Day shift works) in this area triggered same offers for additional mitigation measures as predicted.Additional mitigation measures being offered is valid and appropriate.No further additional mitigation measures required. |
| 6 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 71 | 74 | YES | <ul style="list-style-type: none">RBL: 42 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 71 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (71 dBA) is lower than the predicted level (74 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 8. Monitoring Location H: NCA 14 - (HEX548) 20m W of 29 Bridge St, Tempe

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|---|---|-----------|---|
| 1 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWVP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 67 | 70 | YES | <ul style="list-style-type: none">RBL: 40 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 67 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (67 dBA) is lower than the predicted level (70 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | 66 | 70 | YES | <ul style="list-style-type: none">RBL: 40 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 66 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (66 dBA) is lower than the predicted level (70 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Due to the monitoring location being 24 m from the source of the noise and sensitive receiver being 41 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 67. | 70 | YES | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period (67 dBA) is lower than the predicted level (70 dBA)Predicted noise levels (night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area triggered same offers for additional mitigation measures as prediction.Appropriate additional mitigation measures being offered.No further additional mitigation measures required. |
| 4 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | 67 | 70 | YES | <ul style="list-style-type: none">RBL: 40 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 67 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (67 dBA) is lower than the predicted level (70 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 70 | 70 | YES | <ul style="list-style-type: none">RBL: 41 dBALAeq15min equal to the predictions.Noise monitor detect highest LAeq15min value of 70 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (70 dBA) is lower than the predicted level (64 dBA)Predicted noise levels (Day & Evening shift works) in this area didn't trigger offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 67 | 70 | YES | <ul style="list-style-type: none">RBL: 40 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 67 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (67 dBA) is lower than the predicted level (70 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 9. Monitoring Location I: NCA 01 - (HEX548) 75m SW of 133 Meeks Rd, Marrickville

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|--|---|-----------|---|
| 1 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div>4/10/2024 22:15 ARTC Train 67</div><div>4/10/2024 22:30 ARTC Train 65</div><div>4/10/2024 23:15 ARTC Train 67</div><div>4/10/2024 23:45 ARTC Train 66</div>Construction related LAeq in period at Monitoring Location is 62 | 66 | YES | <ul style="list-style-type: none">RBL: 40 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (62 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified:<div>5/10/2024 23:00 ARTC Train 68</div>Construction related LAeq in period at Monitoring Location is 57 | 66 | YES | <ul style="list-style-type: none">RBL: 40 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (57 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified:<div>6/10/2024 10:15 ARTC Train 68</div><div>6/10/2024 10:30 ARTC Train 65</div><div>6/10/2024 10:45 Aircraft 67</div><div>6/10/2024 11:30 ARTC Train 70</div>Construction related LAeq in period at Monitoring Location is 63 | 66 | YES | <ul style="list-style-type: none">RBL: 47 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (63 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified:<div>6/10/2024 23:00 ARTC Train 66</div><div>7/10/2024 3:30 ARTC Train 66</div><div>7/10/2024 6:45 Aircraft 61</div>Construction related LAeq in period at Monitoring Location is 58 | 66 | YES | <ul style="list-style-type: none">RBL: 40 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00.The Highest LAeq in work period (58 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 65 | 66 | YES | <ul style="list-style-type: none">RBL: 47 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (65 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Day & Evening shift works) in this area did not trigger offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified:<div>7/10/2024 23:00 ARTC Train Horn 65</div>Construction related LAeq in period at Monitoring Location is 69Due to the monitoring location being 25 m from the source of the noise and sensitive receiver being 50 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 63. | 66 | YES | <ul style="list-style-type: none">RBL: 40 dBAThe calculated construction related highest LAeq in work period (63 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area triggered same offers for additional mitigation measures as prediction.Appropriate additional mitigation measures being offered.No further additional mitigation measures required. |

Table 10. Monitoring Location J: NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|---|---|---|-----------|---|
| 1 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Construction Activity | | | |
| 2 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | No Construction Activity | | | |
| 3 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">- Highest ambient LAeq in period at Monitoring Location is 76- Excluding the following non-construction related event being identified: 6/10/2024 21:45 ARTC Train Passing 76- Construction related LAeq in period at Monitoring Location is 70 | 73 | YES | <ul style="list-style-type: none">RBL: 38 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 70 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (70 dBA) is lower than the predicted level (73 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | No Construction Activity | | | |
| 5 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 68 | 73 | YES | <ul style="list-style-type: none">RBL: 38 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (68 dBA) is lower than the predicted level (73 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | No Construction Activity | | | |

Table 11. Monitoring Location K: NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|---|--|---|-----------|---|
| 1 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Construction Activity | | | |
| 2 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | No Construction Activity | | | |
| 3 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 62 | 75 | YES | <ul style="list-style-type: none">RBL: 38 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (62 dBA) is lower than the predicted level (75 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | No Construction Activity | | | |
| 5 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 63 | 75 | YES | <ul style="list-style-type: none">RBL: 38 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (63 dBA) is lower than the predicted level (75 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | No Construction Activity | | | |

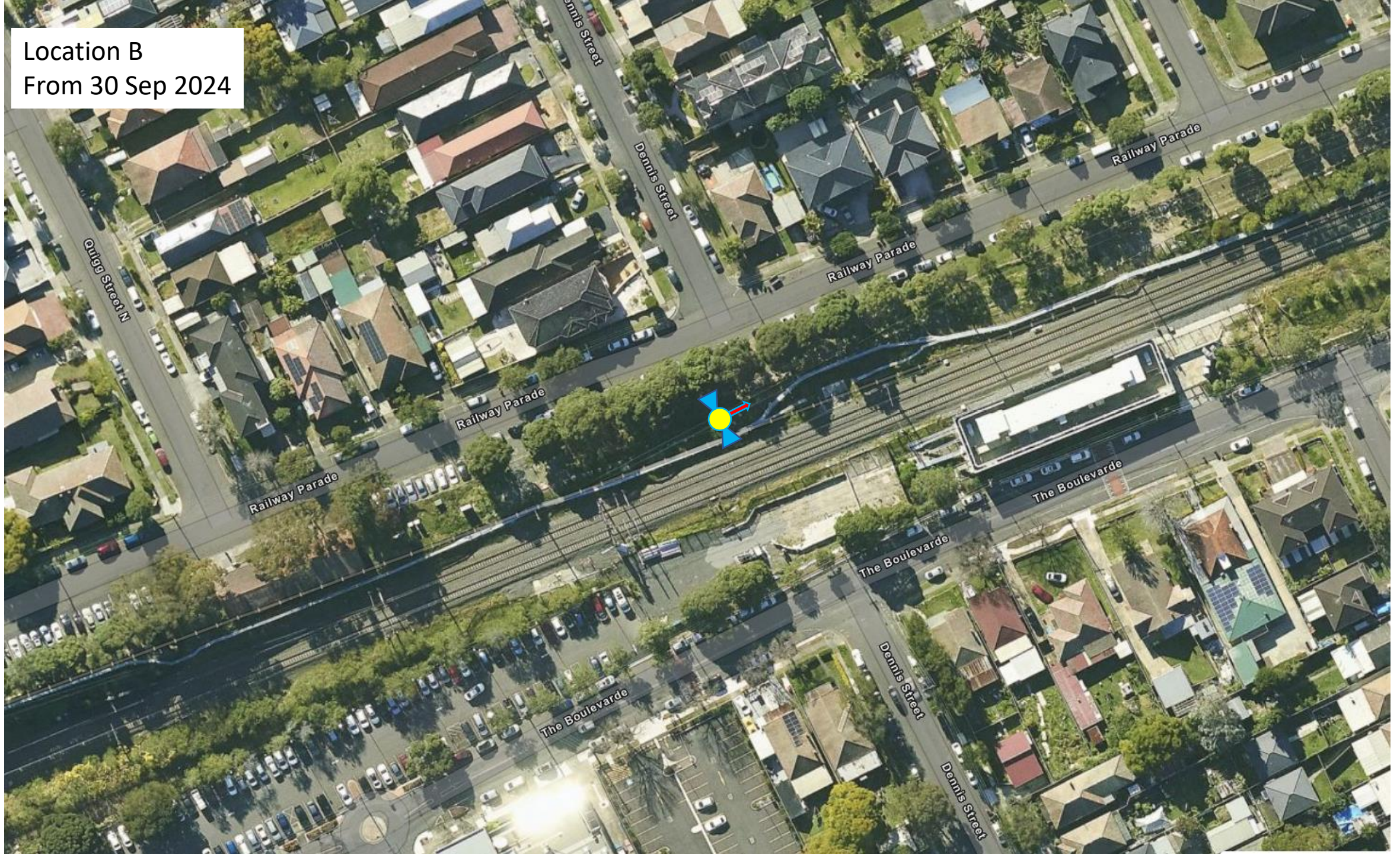
Table 12. Monitoring Location I: NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|---|--|---|-----------|---|
| 1 | 04/10/2024 To 05/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Construction Activity | | | |
| 2 | 05/10/2024 To 06/10/2024 | Night 22:00 to 08:00 (Modeled from 18:00 to 8:00) | | | No Construction Activity | | | |
| 3 | 06/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">- Highest ambient LAeq in period at Monitoring Location is 81- Excluding the following non-construction related event being identified: 6/10/2024 12:45 Aircraft and ARTC Train 81- Construction related LAeq in period at Monitoring Location is 72 | 73 | YES | <ul style="list-style-type: none">RBL: 38 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 72 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (72 dBA) is lower than the predicted level (73 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 06/10/2024 To 07/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | No Construction Activity | | | |
| 5 | 07/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">- Highest ambient LAeq in period at Monitoring Location is 75- Excluding the following non-construction related event being identified: 6/10/2024 13:45 ARTC Train Passing 75- Construction related LAeq in period at Monitoring Location is 71 | 73 | YES | <ul style="list-style-type: none">RBL: 38 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 71 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (71 dBA) is lower than the predicted level (73 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 07/10/2024 To 08/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | No Construction Activity | | | |

Location A
From 30 Sep 2024



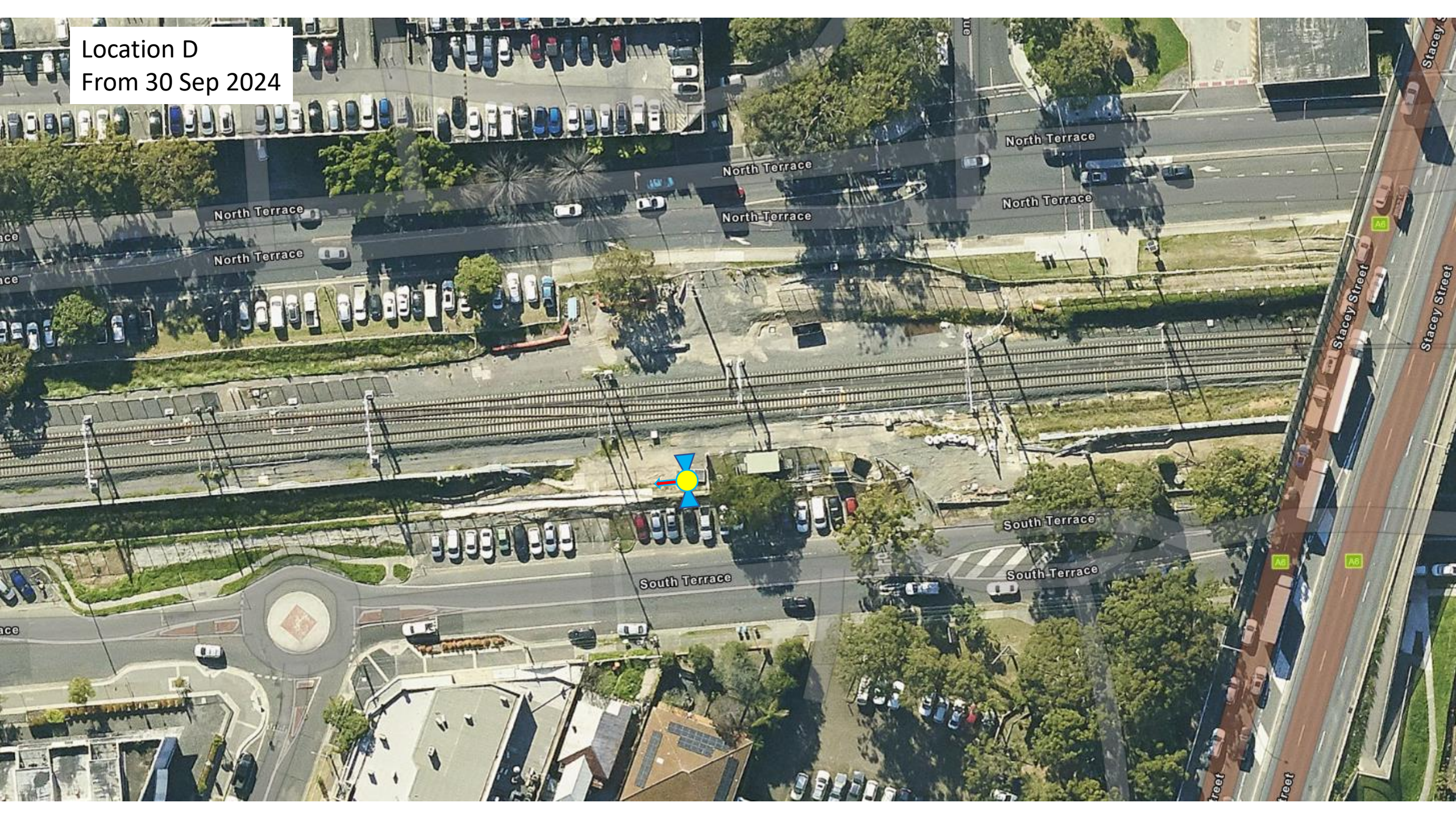
Location B
From 30 Sep 2024



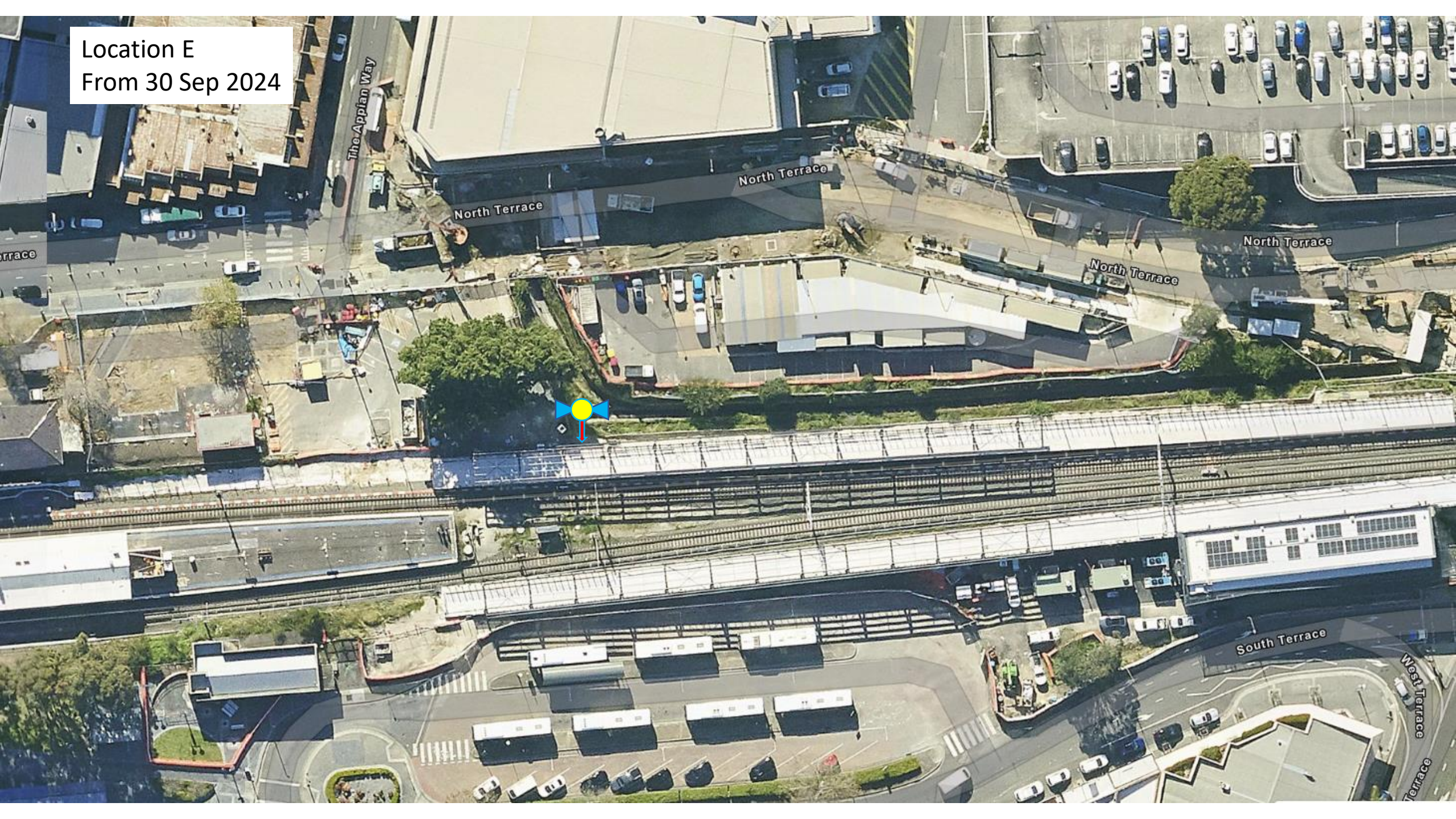
Location C
From 30 Sep 2024



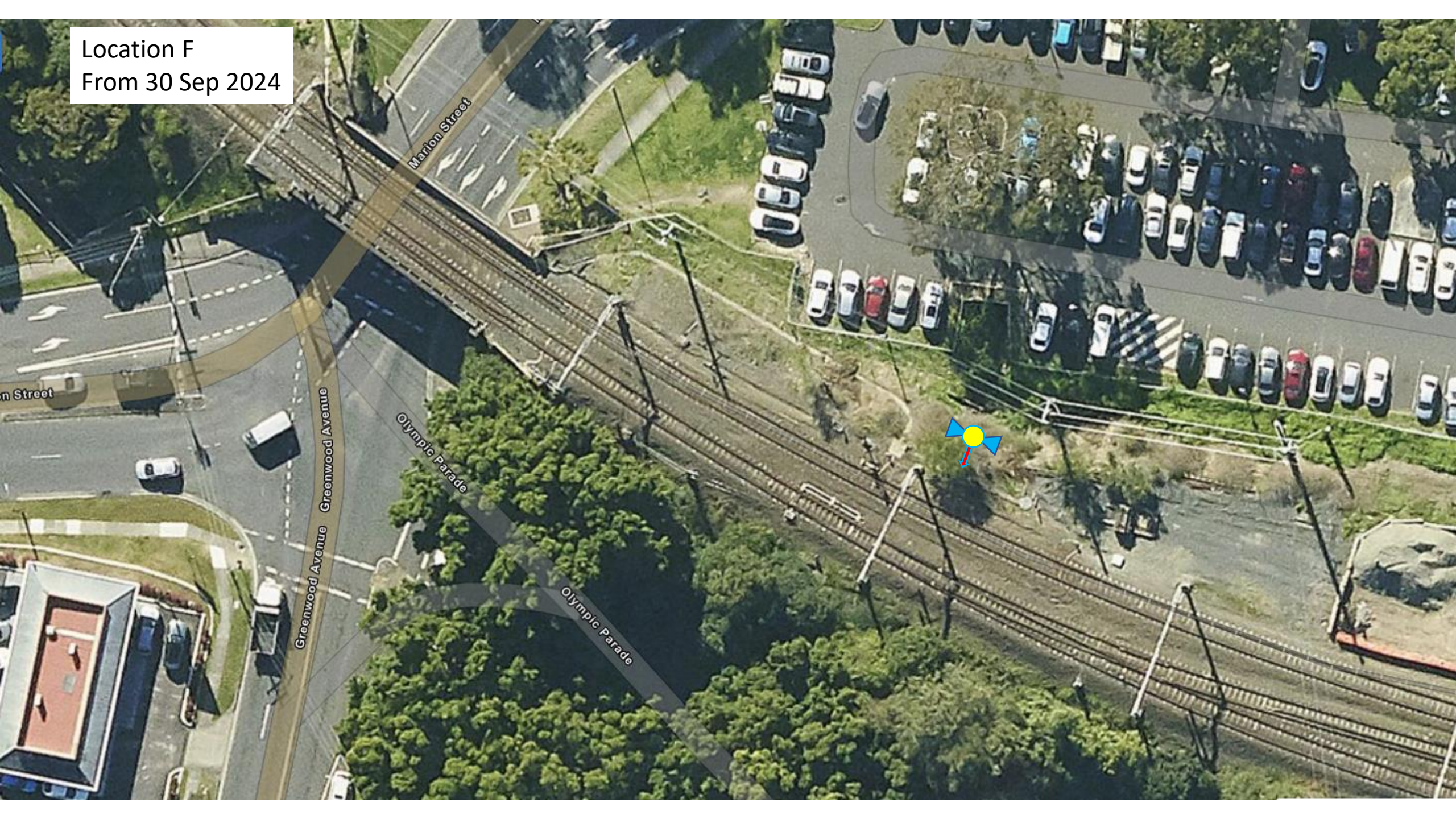
Location D
From 30 Sep 2024



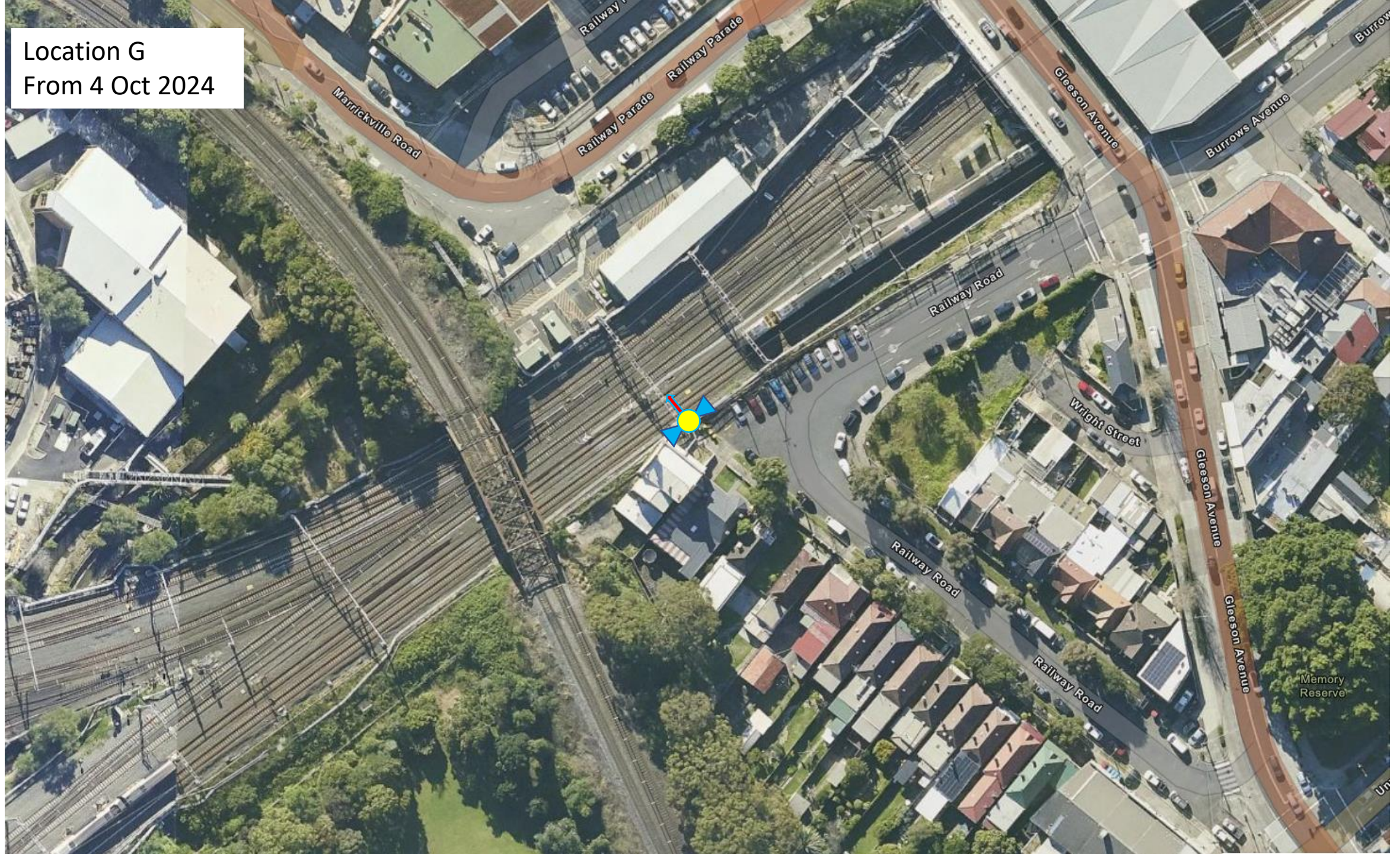
Location E
From 30 Sep 2024



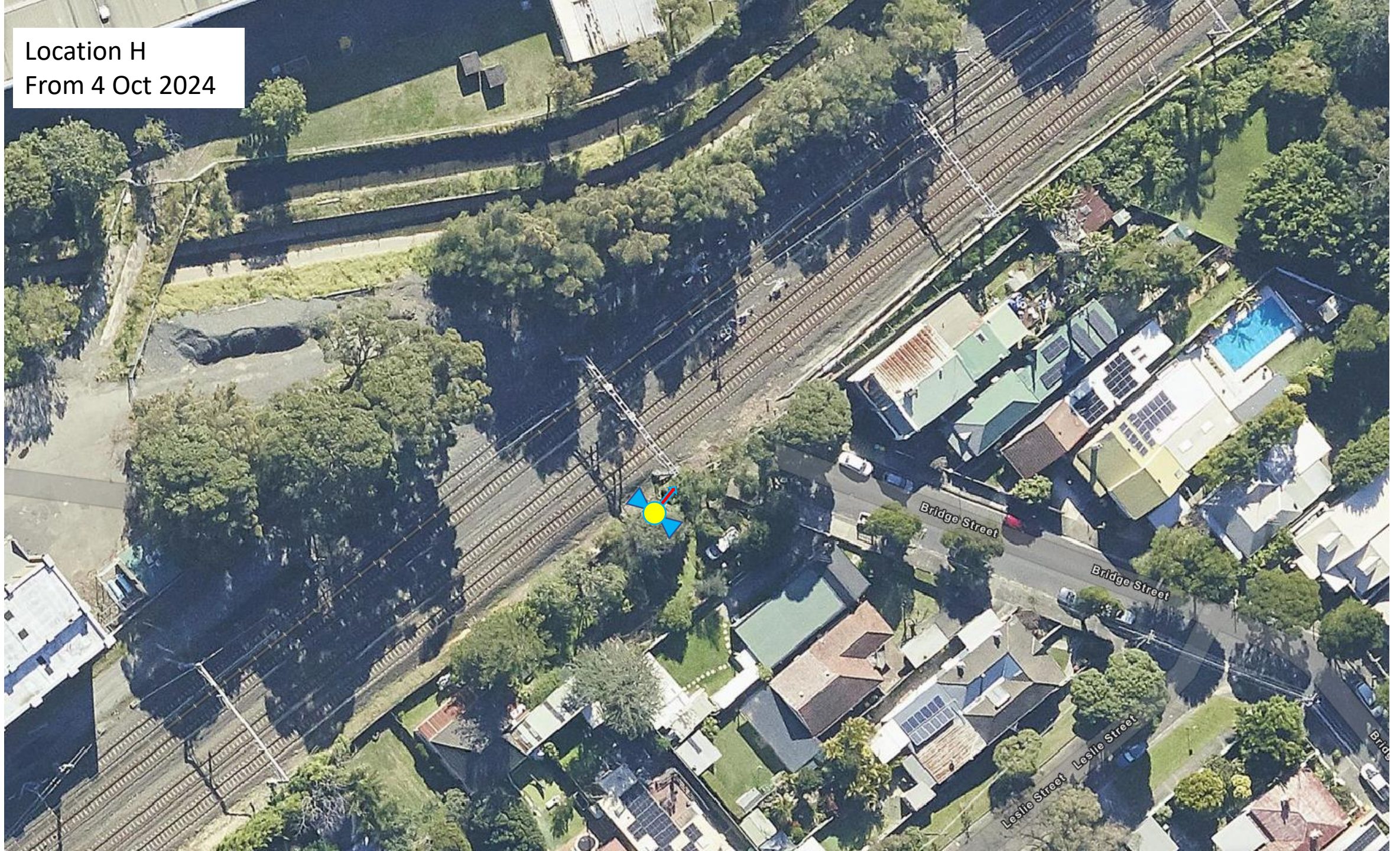
Location F
From 30 Sep 2024



Location G
From 4 Oct 2024



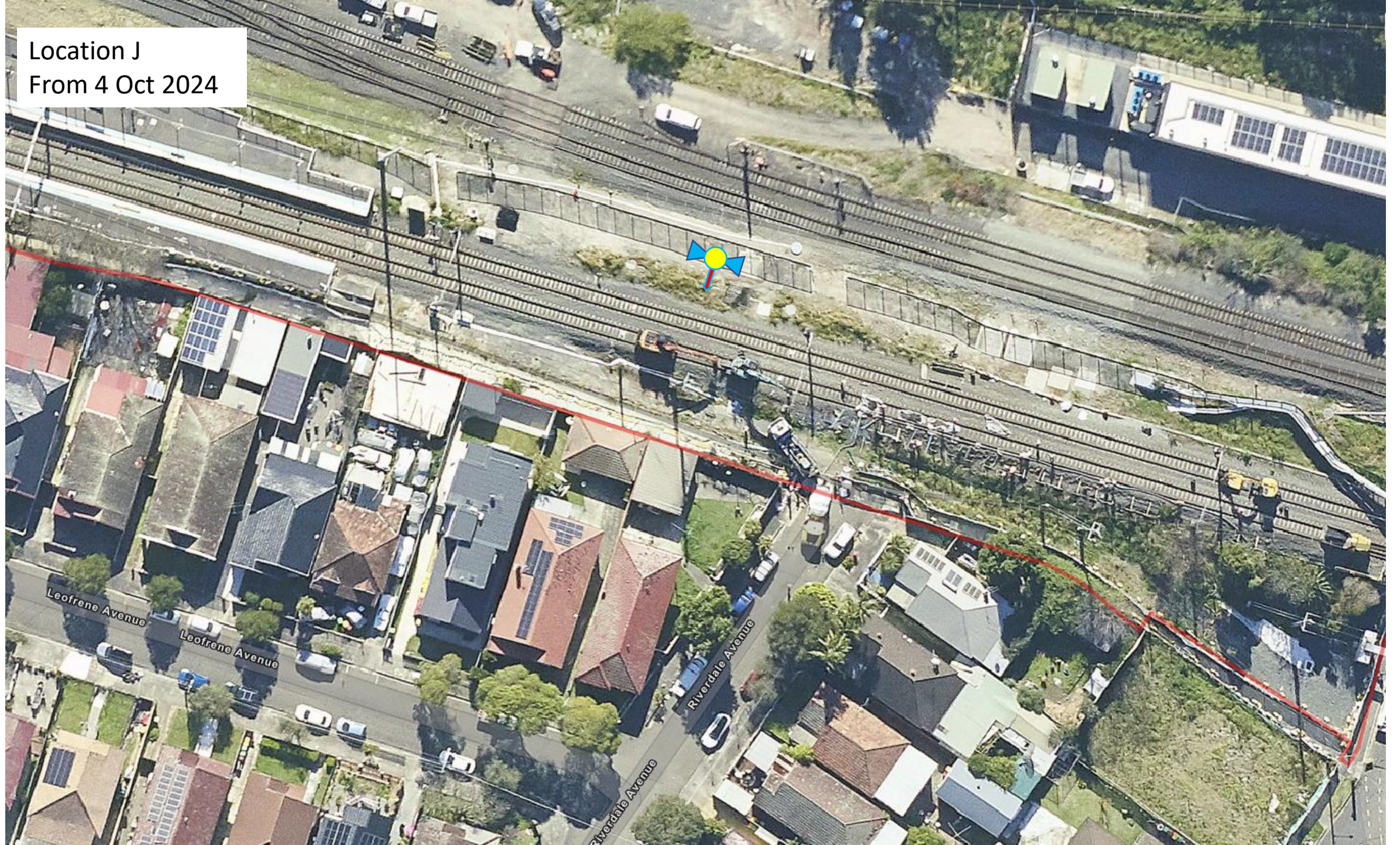
Location H
From 4 Oct 2024



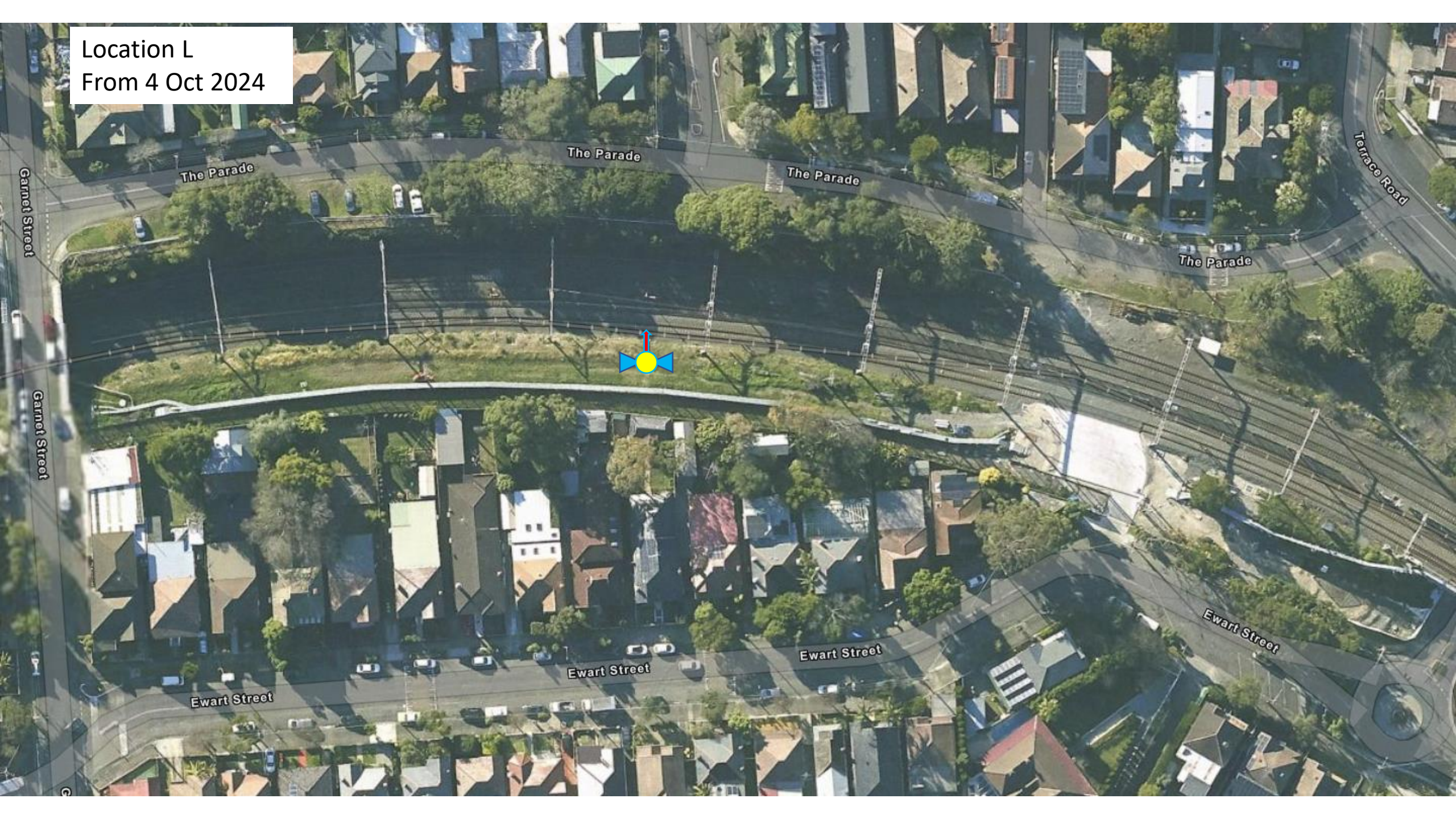
Location I
From 4 Oct 2024



Location J
From 4 Oct 2024



Location L
From 4 Oct 2024



EPL 21147

R4.4 Validation Report

SWMC Truncation & Separation Stage-2 (08. Oct. 2024 - 19. Oct. 2024)

Security Fence auguring, Post and Panel/mesh screens; OHW structure installation, OHW cable dropping and pulling; GST Installation; Installation of Brackets at Stations; PSD and MGF installation; Bankstown upper platform and drainage construction; Bankstown Sydney Trains platform demolishing; Bankstown Sydney Trains platform hoarding board installation; Track side signal equipment demolition, Punchbowl Station parcel office demolition, Track reconditioning; Cabling and Trackside Equipment.

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 |
|----------|------------|-------------------|---------------|----------------|
| 00 | 31/10/2024 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
| | | | | |
| | | | | |
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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 over from 8th October 2024 to 19th October 2024 during the Truncation & Separation Stage-2 Rail Possession. The possession extended from Sydenham Station to Yagoona Station on Sydney Train track.

The following activities were carried under condition L5.6 - Local Possessions;

- Security Fence auguring, Post and Panel/mesh screens;
- Segregation fence auguring, Post and Panel/mesh screens
- OHW structure installation,
- OHW cable dropping and pulling;
- GST Installation;
- Installation of Brackets at Stations;
- PSD and MGF installation;
- Bankstown upper platform and drainage construction;
- Bankstown Sydney Trains platform demolishing;
- Bankstown Sydney Trains platform hoarding board installation;
- Track side signal equipment demolition,
- Punchbowl Station parcel office demolition,
- Track reconditioning;
- Guard rail installation;
- Cabling and Trackside Equipment.

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

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

- Excavators 3T, 6 and 13T (inc jack hammer, augering and demolition attachments)
- Balloon tyre dump trucks (Hydrema)
- Light vehicles
- Trucks
- Payloader
- Handheld powered tools
- Vac Trucks
- EWP/telehandler
- Front-end loader
- Concrete truck and line pump
- Portable Generators
- Compressors
- Compactor
- Bogie
- Water pumps
- 4T Dumpy
- Site lights

- Mobile crane
- Tamper
- Regulator

2. A copy of the community notification required under Condition L5.12

A copy of the community notification required under Condition L5.12 is appended as **Attachment 2**.

3. Noise monitoring as required by L5.8(d)

Truncation & Separation Stage-2 (08. Oct. 2024 - 19. Oct. 2024) noise monitoring was carried out at 12 locations on the perimeter of the rail corridor.

All monitoring locations are closer to the source of the noise than the nearest sensitive receiver.

Note: calculation will be done where the noise at monitoring location exceeds the predicted level at the nearest sensitive receiver.

Monitoring locations enabling from 08. Oct 2024 listed below:

- a. NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.
 - Noise Monitor is 1 m from the source of the noise
 - Sensitive Receiver is 4 m from the source of the noise
- b. NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.
 - Noise Monitor is 30 m from the source of the noise
 - Sensitive Receiver is 55 m from the source of the noise
- c. NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.
 - Noise Monitor is 26 m from the source of the noise
 - Sensitive Receiver is 39 m from the source of the noise
- d. NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown.
 - Noise Monitor is 25 m from the source of the noise
 - Sensitive Receiver is 142 m from the source of the noise
- e. NCA 12 - (HEX618) 168m NW of 2 West Terrace, Bankstown.
 - Noise Monitor is 15 m from the source of the noise (track)
 - Sensitive Receiver is 39 m from the source of the noise (track)
- f. NCA 12 - (HEX646) 66m S of 21 Bungalow Crescent, Bankstown.
 - Noise Monitor is 12 m from the source of the noise
 - Sensitive Receiver is 75 m from the source of the noise
- g. NCA 14 - (HEX615) 5m E of 110 Railway Rd, Sydenham.
 - Noise Monitor is 15 m from the source of the noise
 - Sensitive Receiver is 16 m from the source of the noise
- h. NCA 14 - (HEX548) 20m W of 29 Bridge St, Tempe.
 - Noise Monitor is 17 m from the source of the noise
 - Sensitive Receiver is 30 m from the source of the noise
- i. NCA 01 - (HEX548) 75m SW of 133 Meeks Rd, Marrickville.
 - Noise Monitor is 25 m from the source of the noise
 - Sensitive Receiver is 50 m from the source of the noise
- j. NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.
 - Noise Monitor is 10 m from the source of the noise
 - Sensitive Receiver is 15 m from the source of the noise
- k. NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.
 - Noise Monitor is 17 m from the source of the noise
 - Sensitive Receiver is 17 m from the source of the noise

- I. NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill.
 - Noise Monitor is 21 m from the source of the noise
 - Sensitive Receiver is 32 m from the source of the noise

Refer to **Appendix 1** for noise monitoring results.

4. Details of any exceedances of predicted noise levels;

Noise (LAeq 15min) data was collected at the 12 locations between the 08th of October 2024 to 19th of October 2024, all Out of Hour Works (OOHW) shift has been assessed.

During Truncation & Separation Stage-2, there were no exceedances of the noise predictions generated from the JHLORJV construction activity.

5. 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 following noise mitigation measures are implemented:

- Potential source noise controls include mufflers fitted to exhausts, regular maintenance of plant, acoustic enclosure of machinery on plant items, non-tonal reversing alarms fitted to plant.
- General monthly community notification.
- Specific notification to impacted residents were provided no later than 5 days out from start of possession.
- Additional mitigation measures such as Alternative Accommodation and Respite Offers.
- Use of real time noise monitors at targeted work locations. Periodic desk top checks on data collected by the 12 real time monitoring instruments were carried out during work periods.
- Environmental surveillance
- On site mitigation instructions to crews:
 - No music, no dropping of objects
 - No shouting or unnecessary noise
 - Be respectful of neighbors when coming and going from site. As far as possible, avoid congregating near residential property boundaries.
 - Position plant as far from residents as possible and orientate them if possible, to emit noise on non-resident side.
 - Plant to be switched off when not in use.

6. 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 Truncation & Separation Stage-2 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 L5.6 (Local Possession). 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.

Construction activities occurring within the rail corridor/danger zone can only be safely conducted during a rail possession during the absence of trains.

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 L5.6 & L5.7 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 – Noise Monitoring Results

- Monitoring Result
- Monitoring Location

Table 1. Monitoring Location A: NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|--|---|-----------|---|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 58 | 72 | YES | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 09/10/2024 To 10/10/2024 | | | | 66 | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | 61 | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | 59 | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | 57 | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 63 | | | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 13/10/2024 To 14/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 63 | | | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 14/10/2024 To 15/10/2024 | | | | 53 | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | 53 | | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | 58 | | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | 49 | | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | 65 | | | |

Table 2. Monitoring Location B: NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|---|---|---|---|--|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 59Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54. | 54 | YES | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value due to general construction noise below or matching predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 09/10/2024 To 10/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 60Excluding the following non-construction related event being identified: 10/10/2024 06:30 Animal Activity 60Construction related LAeq in period at Monitoring Location is 52 | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 59Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54. | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 59Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54. | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | 52 | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 58Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 53. | 69 | | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 7 | 13/10/2024 To 14/10/2024 | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 55Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 50. | | | <ul style="list-style-type: none">RBL: 47 dBALAeq15min below predictions.Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 07:00 to 22:00.The Highest LAeq in work period (59 dBA) is lower than the predicted level (64 dBA)Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | | | |
| 8 | 14/10/2024 To 15/10/2024 | 54 | | | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value due to general construction noise below or matching predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | | |
| 9 | 15/10/2024 To 16/10/2024 | 62 | | | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | | | |
| 10 | 16/10/2024 To 17/10/2024 | 61 | | | | | | |
| 11 | 17/10/2024 To 18/10/2024 | 56 | | | | | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | 54 | 54 | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value due to general construction noise matching predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | |

Table 3. Monitoring Location C: NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|--|--|-----------|---|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered tools | 55 | 64 | YES | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 09/10/2024 To 10/10/2024 | | | | 60 | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | 62 | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | 62 | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | 60 | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 63Due to the monitoring location being 12 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 50. | 52 | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | |
| 7 | 13/10/2024 To 14/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | <ul style="list-style-type: none">Vac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 57 | 64 | | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value due to general construction noise below or matching predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 14/10/2024 To 15/10/2024 | | | | 64 | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | 60 | | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | 58 | | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | 58 | | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | 64 | | | |

Table 4. Monitoring Location D: NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|---|---|-----------|--|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 65 | 65 | | <ul style="list-style-type: none">RBL: 42 dBANoise monitor detect highest LAeq15min value due to general construction noise below or matching predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 09/10/2024 To 10/10/2024 | | | | 64 | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Due to the monitoring location being 12 m from the source of the noise and sensitive receiver being 124 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 46. | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified: 11/10/2024 22:45 Urban Traffic 66 11/10/2024 23:15 Urban Traffic 66 12/10/2024 00:45 Urban Traffic 69Construction related LAeq in period at Monitoring Location is 65 | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified: 12/10/2024 22:15 Urban Traffic 68 12/10/2024 23:45 Urban Traffic 67Construction related LAeq in period at Monitoring Location is 65 | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified: 13/10/2024 22:15 Urban Traffic 67 13/10/2024 23:45 Urban Traffic 66 13/10/2024 23:45 Urban Traffic 66 13/10/2024 23:45 Urban Traffic 68 13/10/2024 23:45 Urban Traffic 65Construction related LAeq in period at Monitoring Location is 64 | 65 | YES | <ul style="list-style-type: none">RBL: 54 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 7 | 13/10/2024 To 14/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | 63 | 65 | YES | <ul style="list-style-type: none">RBL: 42 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 8 | 14/10/2024 To 15/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified: 14/10/2024 22:15 Urban Traffic 65 14/10/2024 23:15 Urban Traffic 65 15/10/2024 02:45 Urban Traffic 70 15/10/2024 06:15 Urban Traffic 66 15/10/2024 06:30 Urban Traffic 64 15/10/2024 06:45 Urban Traffic 65Construction related LAeq in period at Monitoring Location is 64 | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified: 15/10/2024 23:30 Urban Traffic 66Construction related LAeq in period at Monitoring Location is 64 | | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 75Due to the monitoring location being 12 m from the source of the noise and sensitive receiver being 124 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 55. | | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Due to the monitoring location being 12 m from the source of the noise and sensitive receiver being 124 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 47. | | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | 64 | | | |

Table 5. Monitoring Location E: NCA 12 - (HEX618) 168m NW of 2 West Terrace, Bankstown

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|---|---|-----------|---|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 63 | 69 | YES | <ul style="list-style-type: none">RBL: 42 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 09/10/2024 To 10/10/2024 | | | | 63 | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | 65 | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | 65 | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 84Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58. | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 84Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58. | 70 | | <ul style="list-style-type: none">RBL: 54 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 7 | 13/10/2024 To 14/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | 63 | 69 | | <ul style="list-style-type: none">RBL: 42 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 14/10/2024 To 15/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 45. | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 79Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 53. | 70 | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 47. | 69 | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | 68 | 70 | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | 63 | 69 | | |

Table 6. Monitoring Location F: NCA 12 - (HEX646) 66m S of 21 Bungalow Crescent, Bankstown

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|---|---|-----------|--|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 56 | 59 | YES | <ul style="list-style-type: none">RBL: 42 dBANoise monitor detect highest LAeq15min value due to general construction noise below or matching predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 09/10/2024 To 10/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Due to the monitoring location being 16 m from the source of the noise and sensitive receiver being 70 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 51. | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Due to the monitoring location being 16 m from the source of the noise and sensitive receiver being 70 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58. | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified: 11/10/2024 23:30 Urban Siren 66Construction related LAeq in period at Monitoring Location is 56 | 58 | | 58 |
| 5 | 12/10/2024 To 13/10/2024 | | | | | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 58 | 58 | | |
| 7 | 13/10/2024 To 14/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 65Excluding the following non-construction related event being identified: 13/10/2024 23:30 Urban Siren 65Construction related LAeq in period at Monitoring Location is 56 | | | 58 |
| 8 | 14/10/2024 To 15/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 60Excluding the following non-construction related event being identified: 14/10/2024 22:45 Urban Siren 60Construction related LAeq in period at Monitoring Location is 56 | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 59Excluding the following non-construction related event being identified: 15/10/2024 23:45 Urban Siren 59Construction related LAeq in period at Monitoring Location is 56 | | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | 57 | 59 | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Excluding the following non-construction related event being identified: 17/10/2024 23:45 Urban Siren 63 18/10/2024 02:00 Urban Siren 64Construction related LAeq in period at Monitoring Location is 58 | | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 60Excluding the following non-construction related event being identified: 18/10/2024 23:00 Urban Siren 60Construction related LAeq in period at Monitoring Location is 55 | | | |

Table 7. Monitoring Location G: NCA 14 - (HEX615) 5m E of 110 Railway Rd, Sydenham

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments | |
|------------------|--------------------------|--|---|---|--|---|-----------|---|--|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 70 | 74 | YES | <ul style="list-style-type: none">RBL: 42 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | |
| 2 | 09/10/2024 To 10/10/2024 | | | | 68 | | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | 71 | | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | 79 | 79 | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | 69 | 74 | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | No Construction within 200m Radius | | | | | |
| 7 | 13/10/2024 To 14/10/2024 | | | | | | | | |
| 8 | 14/10/2024 To 15/10/2024 | | | | | | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | | | | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | | | | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | | | | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | | | | | |

Table 8. Monitoring Location H: NCA 14 - (HEX548) 20m W of 29 Bridge St, Tempe

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|--|---|-----------|--|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 64 | 66 | YES | <ul style="list-style-type: none">RBL: 40 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 09/10/2024 To 10/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified: 10/10/2024 06:45 Sydney T3 Train 67Construction related LAeq in period at Monitoring Location is 64 | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | No Construction within 200m Radius | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | 63 | 66 | YES | <ul style="list-style-type: none">RBL: 40 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 5 | 12/10/2024 To 13/10/2024 | | | | No Construction within 200m Radius | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | | | | |
| 7 | 13/10/2024 To 14/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | | | | |
| 8 | 14/10/2024 To 15/10/2024 | | | | | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | | | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | | | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | | | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | | | | |

Table 9. Monitoring Location I: NCA 01 - (HEX548) 75m SW of 133 Meeks Rd, Marrickville

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|--|---|-----------|---|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified:<ul style="list-style-type: none">08/10/2024 22:30 ARTC Train 6008/10/2024 23:45 ARTC Train 6708/10/2024 01:45 ARTC Train 7008/10/2024 03:00 ARTC Train 67Construction related LAeq in period at Monitoring Location is 54 | 64 | YES | <ul style="list-style-type: none">RBL: 40 dBANoise monitor detect highest LAeq15min value due to general construction noise below or matching predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 09/10/2024 To 10/10/2024 | | | | 67 | 67 | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified:<ul style="list-style-type: none">11/10/2024 00:30 ARTC Train 70Construction related LAeq in period at Monitoring Location is 67 | 69 | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<ul style="list-style-type: none">12/10/2024 01:45 ARTC Train 71Construction related LAeq in period at Monitoring Location is 68 | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | 69 | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Due to the monitoring location being 25 m from the source of the noise and sensitive receiver being 50 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 65. | 68 | | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 7 | 13/10/2024 To 14/10/2024 | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified:<ul style="list-style-type: none">13/10/2024 23:30 ARTC Train 70Construction related LAeq in period at Monitoring Location is 67 | | | | | | |
| 8 | 14/10/2024 To 15/10/2024 | 67 | | | | | | |
| 9 | 15/10/2024 To 16/10/2024 | 67 | | | | | | |
| 10 | 16/10/2024 To 17/10/2024 | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified:<ul style="list-style-type: none">16/10/2024 22:15 ARTC Train 6917/10/2024 05:15 ARTC Train 72Construction related LAeq in period at Monitoring Location is 67 | | | | | | |
| 11 | 17/10/2024 To 18/10/2024 | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Due to the monitoring location being 25 m from the source of the noise and sensitive receiver being 50 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 65. | | | 69 | | | |
| 12 | 18/10/2024 To 19/10/2024 | 68 | | | 68 | | | |

Table 10. Monitoring Location J: NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|--|---|-----------|---|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Construction within 200m Radius | | | |
| 2 | 09/10/2024 To 10/10/2024 | | | | | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | 70 | 73 | Yes | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 11/10/2024 To 12/10/2024 | | | | 68 | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | 72 | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 73 | 74 | Yes | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 13/10/2024 To 14/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | 68 | 73 | | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 14/10/2024 To 15/10/2024 | | | | No Construction within 200m Radius | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | | | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | | | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | 67 | 67 | Yes | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value due to general construction noise below or matching predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 12 | 18/10/2024 To 19/10/2024 | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<ul style="list-style-type: none">19/10/2024 00:15 ARTC Train 6919/10/2024 06:00 ARTC Train 68Construction related LAeq in period at Monitoring Location is 65 | | | 67 | | | |

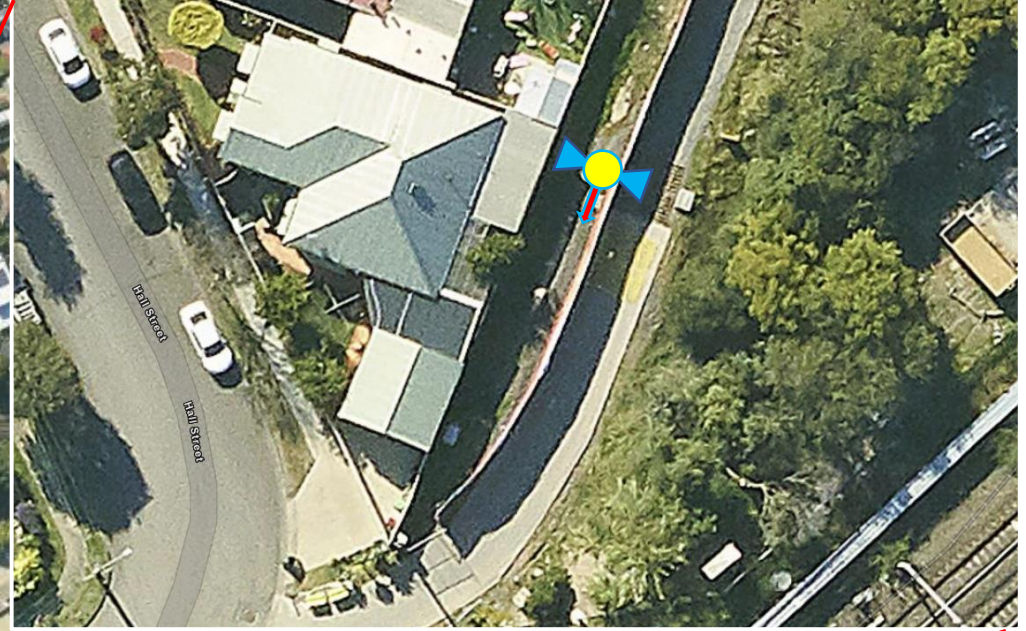
Table 11. Monitoring Location K: NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|--|---|-----------|---|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Construction within 200m Radius | | | |
| 2 | 09/10/2024 To 10/10/2024 | | | | | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 64 | 73 | Yes | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 13/10/2024 To 14/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | No Construction within 200m Radius | | | |
| 8 | 14/10/2024 To 15/10/2024 | | | | | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | | | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | | | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | | | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | | | | |

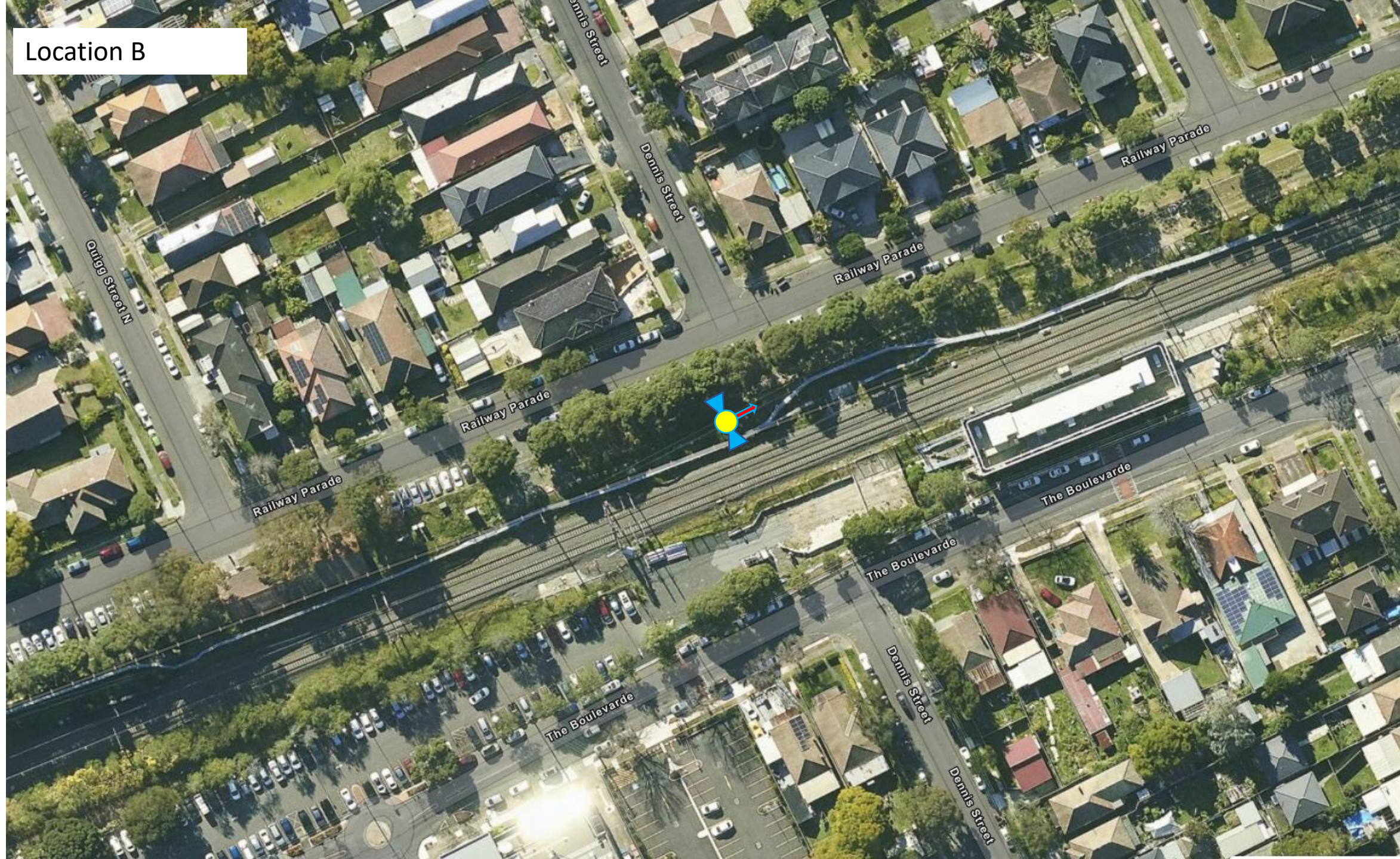
Table 12. Monitoring Location I: NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|---|---|-----------|--|
| 1 | 08/10/2024 To 09/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Construction within 200m Radius | | | |
| 2 | 09/10/2024 To 10/10/2024 | | | | | | | |
| 3 | 10/10/2024 To 11/10/2024 | | | | | | | |
| 4 | 11/10/2024 To 12/10/2024 | | | | | | | |
| 5 | 12/10/2024 To 13/10/2024 | | | | | | | |
| 6 | 13/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <div>- Highest ambient LAeq in period at Monitoring Location is 74</div> <div>- Excluding the following non-construction related event being identified:<div>Animal Activity: 07:21; 16:45</div><div>Aircraft: 07:37; 09:25; 09:46; 10:56; 11:16; 11:46; 12:07; 12:34; 12:56; 14:35; 15:13; 15:41; 17:04; 17:35; 17:50; 18:54; 19:22; 19:42; 20:04; 20:25; 20:43; 21:06;</div><div>ARTC Train: 08:27; 08:47; 09:02; 10:35; 13:12; 13:55; 14:51; 16:26; 18:05; 18:34; 21:26; 21:45</div></div> <div>Construction related LAeq in period at Monitoring Location is 57</div> | 58 | Yes | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value due to general construction noise below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 7 | 13/10/2024 To 14/10/2024 | Night 22:00 to 8:00 (Modeled from 18:00 to 8:00) | | | No Construction within 200m Radius | | | |
| 8 | 14/10/2024 To 15/10/2024 | | | | | | | |
| 9 | 15/10/2024 To 16/10/2024 | | | | | | | |
| 10 | 16/10/2024 To 17/10/2024 | | | | | | | |
| 11 | 17/10/2024 To 18/10/2024 | | | | | | | |
| 12 | 18/10/2024 To 19/10/2024 | | | | | | | |

Location A



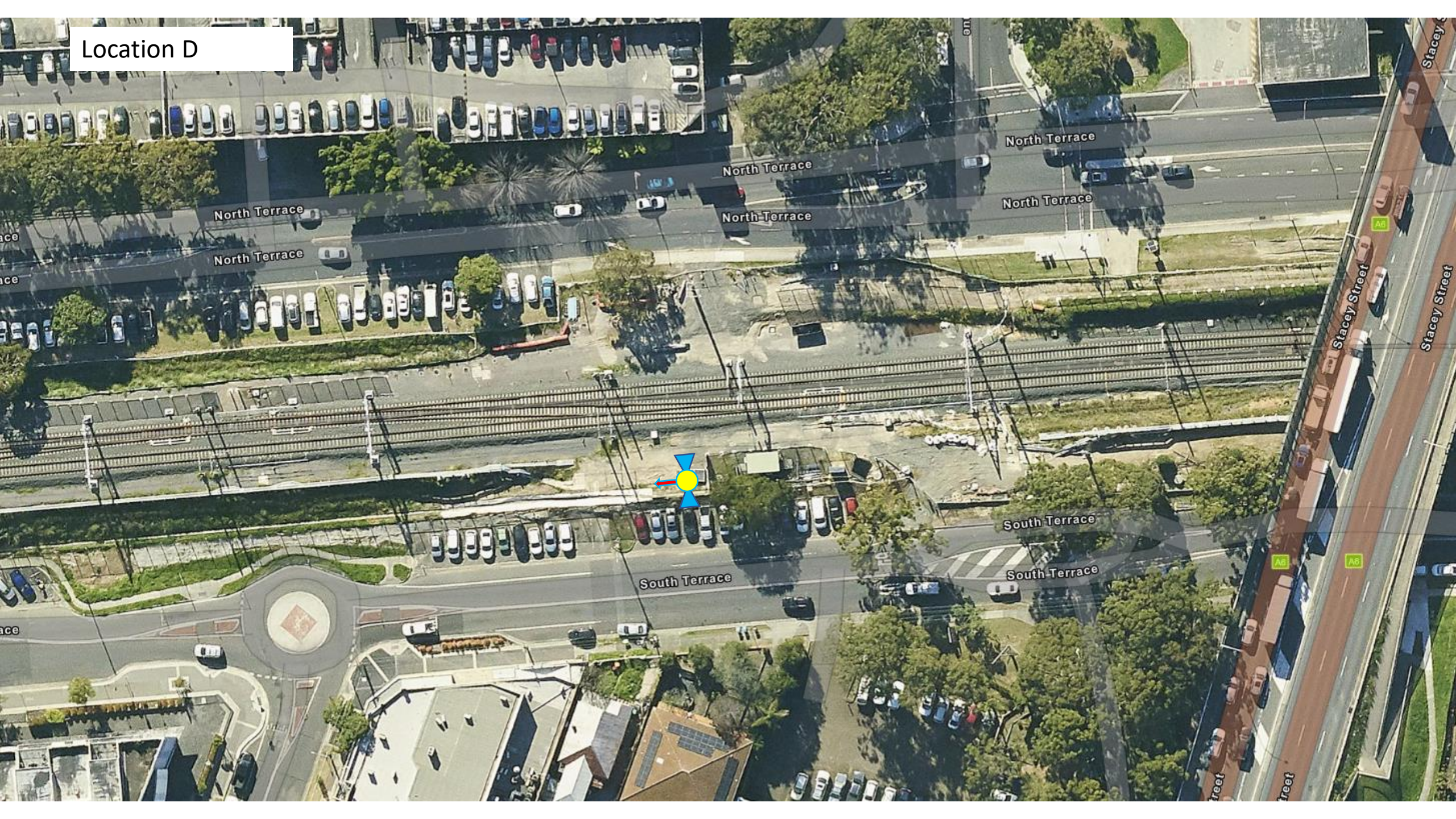
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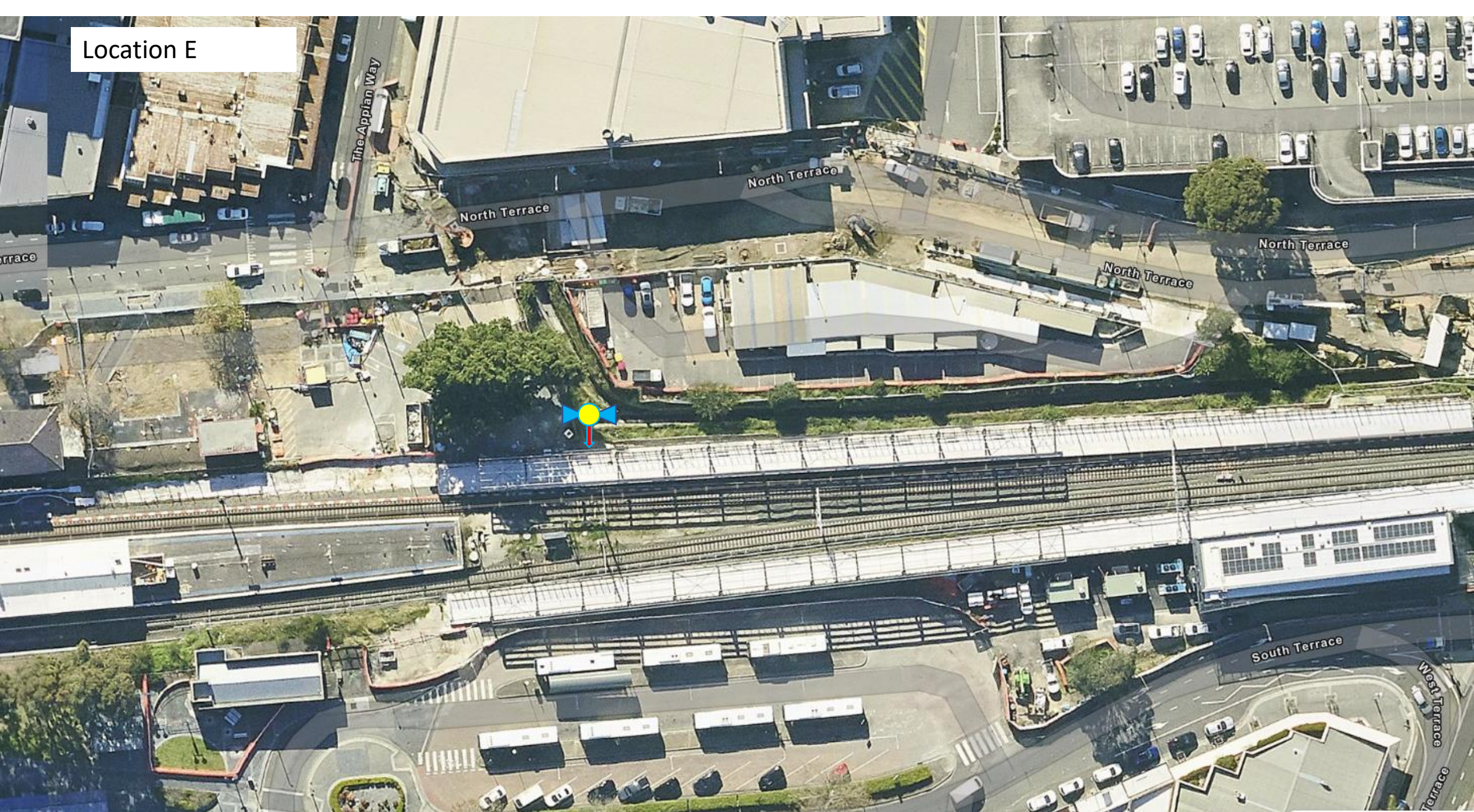
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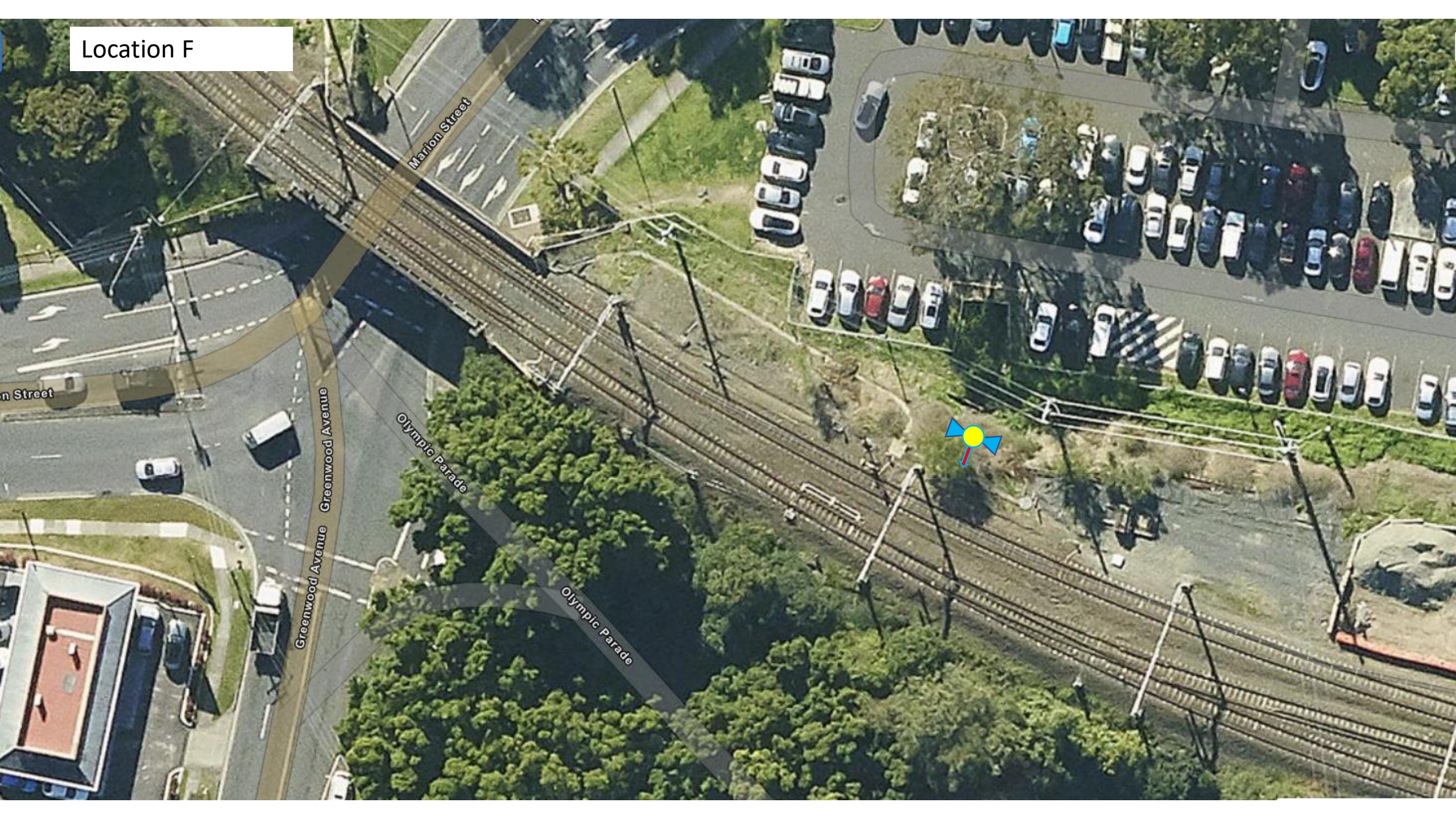
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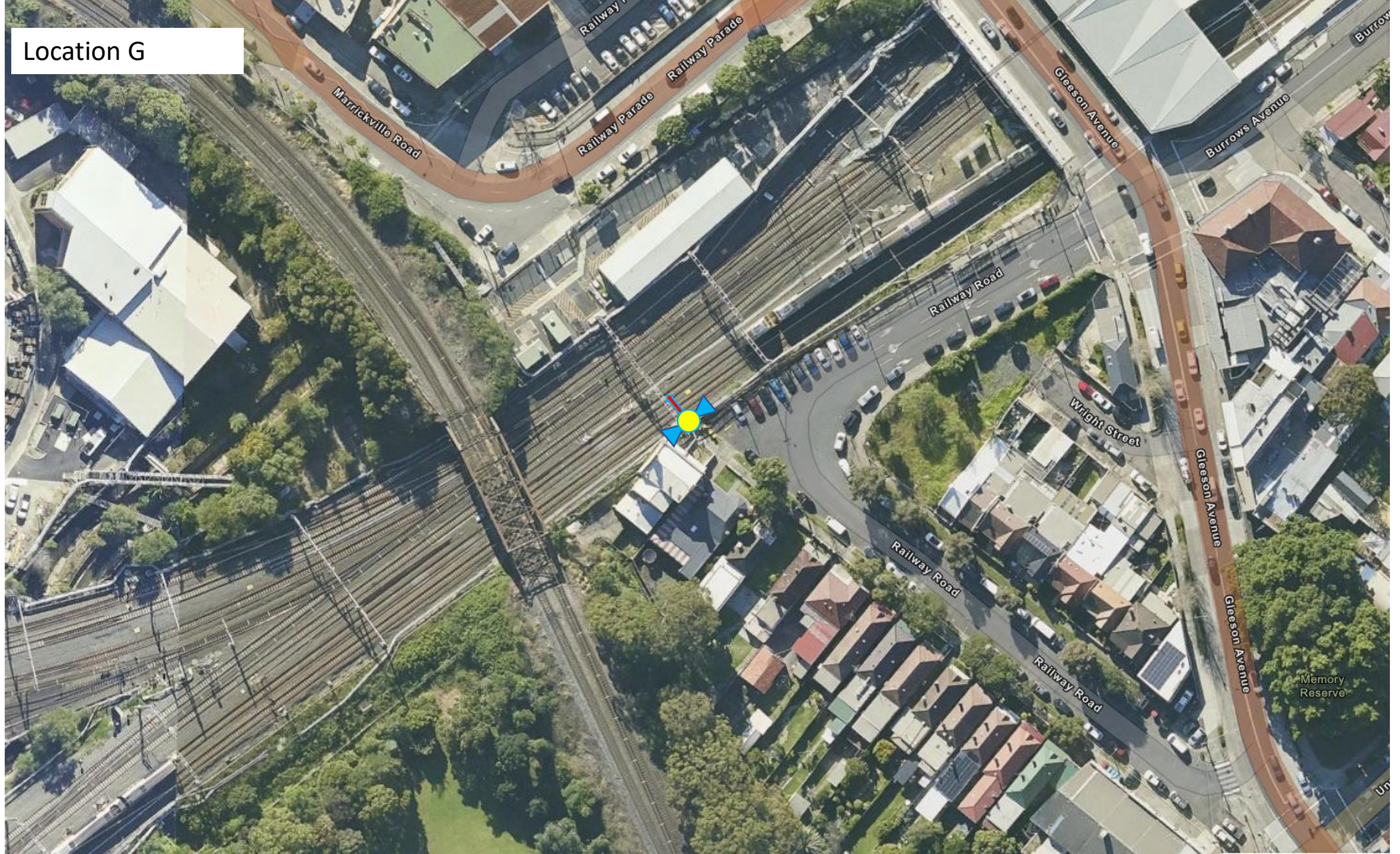
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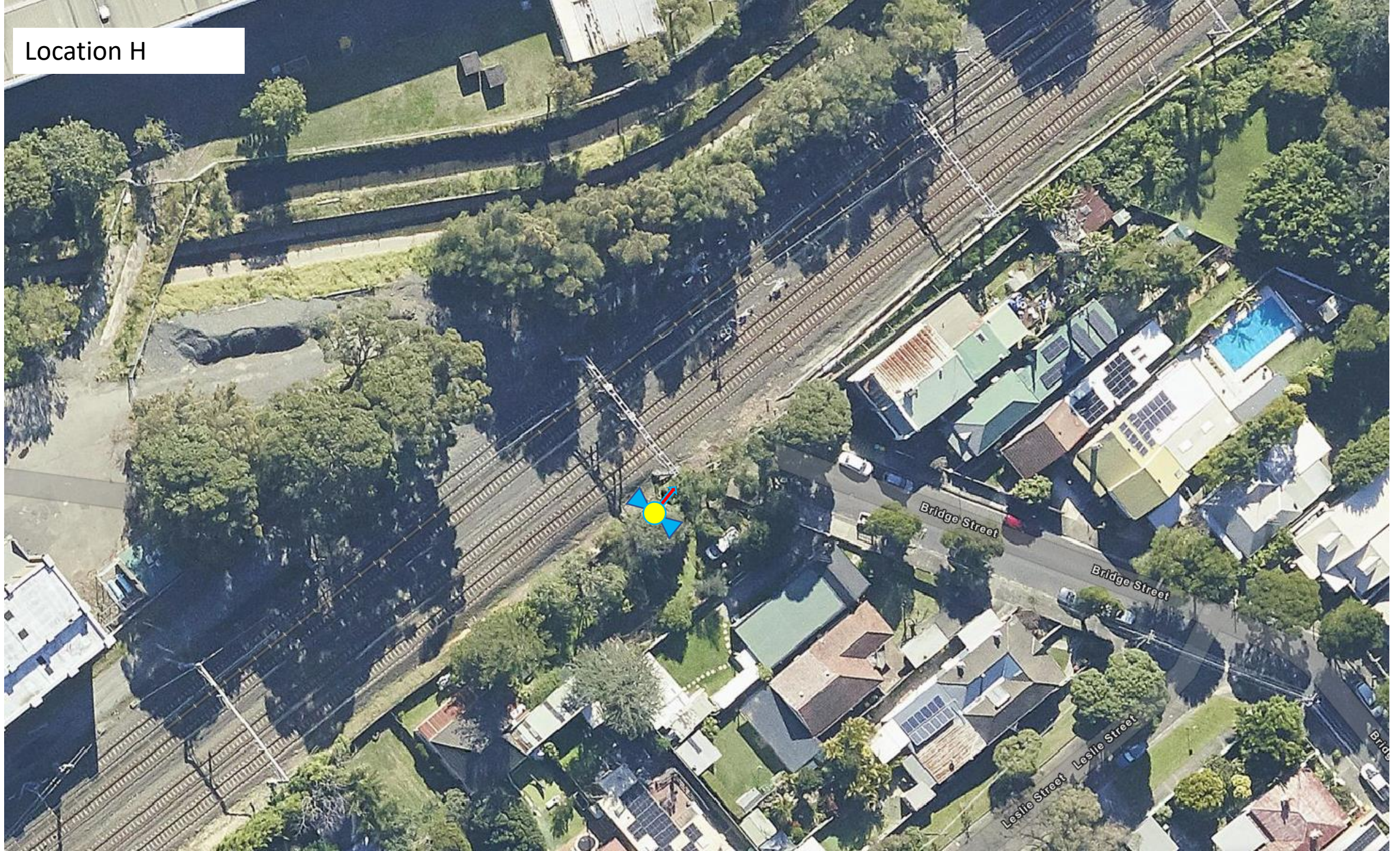
Location F



Location G



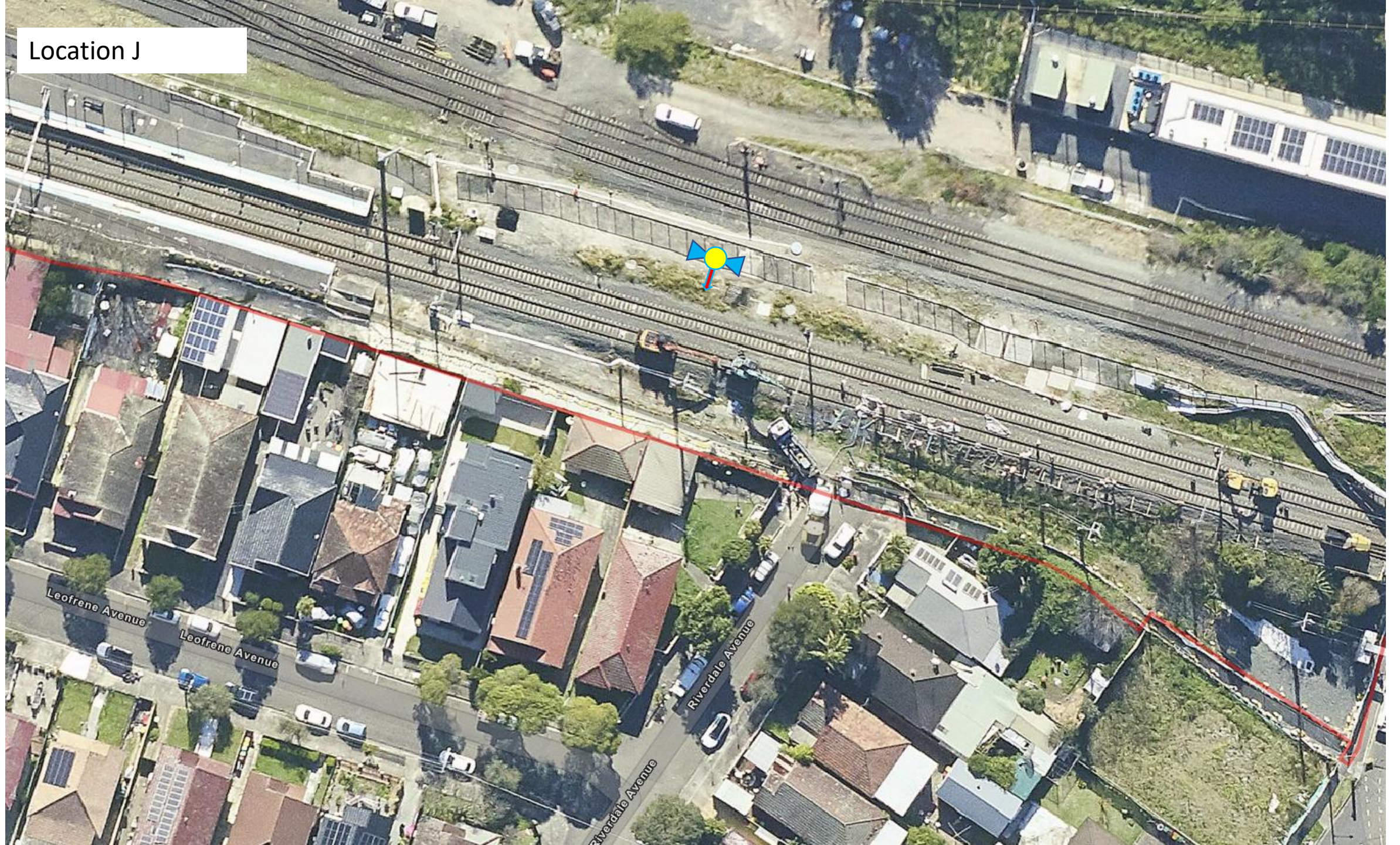
Location H



Location I



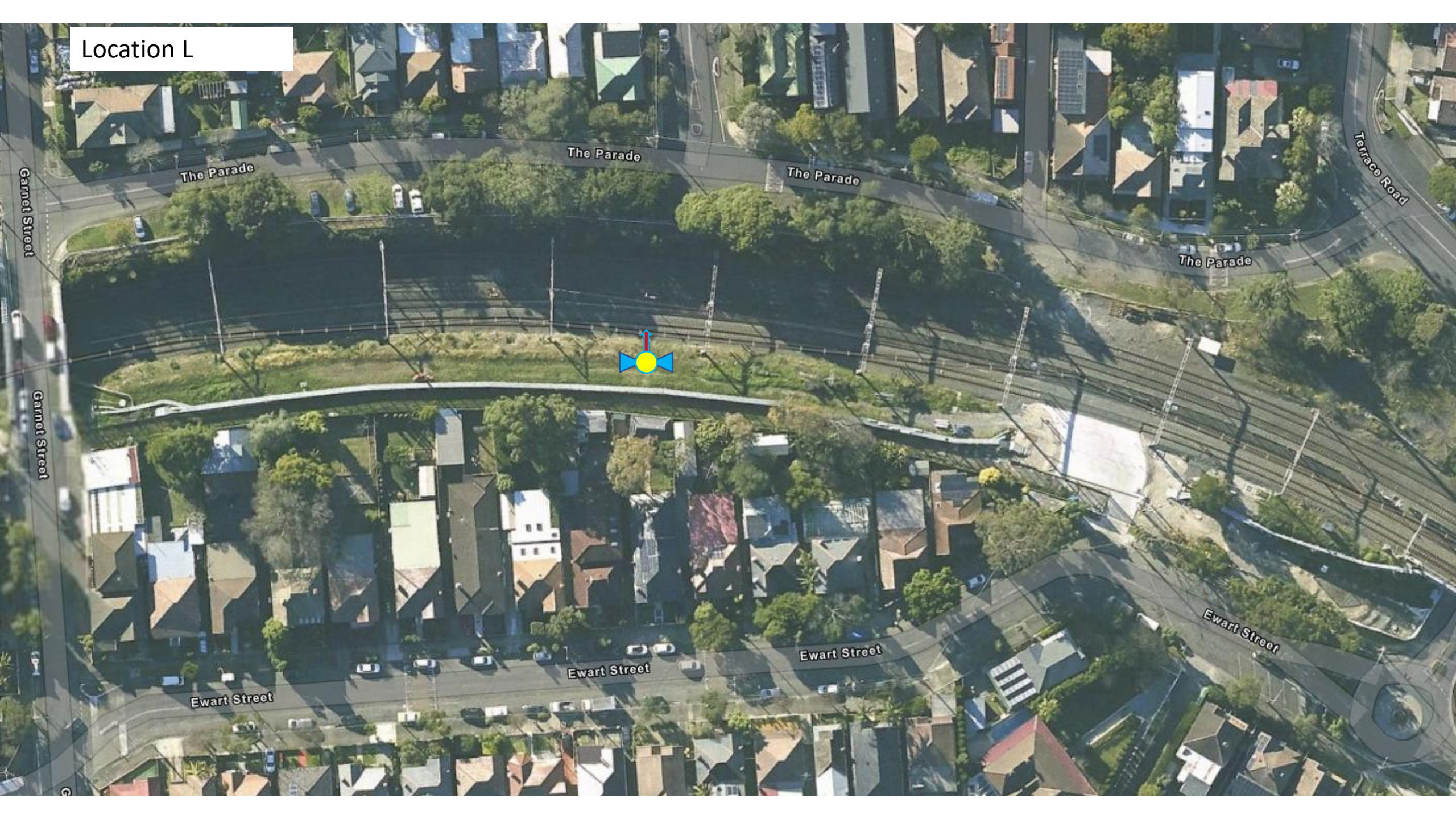
Location J



Location K



Location L



EPL 21147
R4.4 Validation Report

SWMC Final Conversion Stage-3
(19. Oct. 2024 - 04. Nov. 2024)

Security Fence auguring, Post and Panel/mesh screens; OHW structure installation, OHW cable dropping and pulling; GST Installation; Installation of Brackets at Stations; PSD and MGF installation; Bankstown upper platform and drainage construction; Bankstown Sydney Metro Plaza Construction; Track side signal equipment demolition; Cabling and Trackside Equipment.

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 |
|----------|------------|-------------------|---------------|----------------|
| 00 | 08/11/2024 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
| | | | | |
| | | | | |
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Management reviews

| Review date | Details | Reviewed by |
|-------------|---------|-------------|
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| | | |

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|-------------|----|-----------|---------------|-----|
| Controlled: | NO | Copy no.: | Uncontrolled: | YES |
|-------------|----|-----------|---------------|-----|

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R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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 worksite3

2. A copy of the community notification required under Condition L5.124

3. Noise monitoring as required by L5.8(d)4

4. Details of any exceedances of predicted noise levels;5

5. 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

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R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.6 & L5.7 by no later than 2 business days from the end of each fortnight.6

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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 over from 19th October 2024 to 4th November 2024 during the Final Conversion Stage-3 Rail Possession.

The possession extended from Sydenham Station to Bankstown Station on Sydney Train track from 19th October 2024 to 4th November 2024.

ARTC track isolated on 19th & 20th October 2024 and 2nd & 3rd November 2024 between 08:00 am to 18:00 pm.

The following activities were carried under condition L5.6 - Local Possessions;

- Security Fence auguring, Post and Panel/mesh screens;
- Segregation fence auguring, Post and Panel/mesh screens
- OHW structure installation,
- OHW cable dropping and pulling;
- HV pole removal;
- GST Installation;
- Installation of Brackets at Stations;
- PSD and MGF installation;
- Bankstown upper platform and drainage construction;
- Bankstown Sydney Metro Plaza construction;
- Track side signal equipment demolition,
- Guard rail installation;
- Cabling and Trackside Equipment.

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

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

- Excavators 3T, 6 and 13T (inc jack hammer, auguring and demolition attachments)
- Balloon tyre dump trucks (Hydrema)
- Light vehicles
- Trucks
- Payloader
- Handheld powered tools
- Vac Trucks
- EWP/telehandler
- Front-end loader
- Concrete truck and line pump
- Portable Generators
- Compressors
- Compactor
- Bogie

- Water pumps
- 4T Dumpy
- Site lights
- Mobile crane

2. A copy of the community notification required under Condition L5.12

A copy of the community notification required under Condition L5.12 is appended as **Attachment 2**.

3. Noise monitoring as required by L5.8(d)

Final Conversion Stage-3 (19. Oct. 2024 - 04. Nov. 2024) noise monitoring was carried out at 10 locations on the perimeter of the rail corridor.

All monitoring locations are closer to the source of the noise than the nearest sensitive receiver.

Note: calculation will be done where the noise at monitoring location exceeds the predicted level at the nearest sensitive receiver.

Monitoring locations listed below:

- NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.
 - 19. Oct. 2024 - 04. Nov. 2024
 - Noise Monitor is 1 m from the source of the noise
 - Sensitive Receiver is 4 m from the source of the noise
- NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.
 - 19. Oct. 2024 - 04. Nov. 2024
 - Noise Monitor is 30 m from the source of the noise
 - Sensitive Receiver is 55 m from the source of the noise
- NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.
 - 19. Oct. 2024 - 04. Nov. 2024
 - Noise Monitor is 11 m from the source of the noise
 - Sensitive Receiver is 54 m from the source of the noise
- NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown.
 - 19. Oct. 2024 - 04. Nov. 2024
 - Noise Monitor is 13 m from the source of the noise
 - Sensitive Receiver is 128 m from the source of the noise
- NCA 12 - (HEX618) 40 m NW of 2 West Terrace, Bankstown.
 - 19. Oct. 2024 - 04. Nov. 2024
 - Noise Monitor is 6 m from the source of the noise (track)
 - Sensitive Receiver is 46 m from the source of the noise (track)
- NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.
 - 19. Oct. 2024 - 04. Nov. 2024
 - Noise Monitor is 10 m from the source of the noise
 - Sensitive Receiver is 15 m from the source of the noise
- NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.
 - 19. Oct. 2024 - 04. Nov. 2024
 - Noise Monitor is 17 m from the source of the noise
 - Sensitive Receiver is 17 m from the source of the noise
- NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill.
 - 19. Oct. 2024 - 04. Nov. 2024
 - Noise Monitor is 7 m from the source of the noise
 - Sensitive Receiver is 18 m from the source of the noise

- i. NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville
 - 02. Oct. 2024 - 04. Nov. 2024
 - Noise Monitor is 16 m from the source of the noise
 - Sensitive Receiver is 26 m from the source of the noise
- j. NCA 05 – (HEX631) 18m S from 32-24 Campsie St, Campsie
 - 02. Oct. 2024 - 03. Nov. 2024
 - Noise Monitor is 14 m from the source of the noise
 - Sensitive Receiver is 32 m from the source of the noise

Refer to **Appendix 1** for noise monitoring results.

4. Details of any exceedances of predicted noise levels;

Noise (LAeq 15min) data was collected at the 10 locations between the 19th of October 2024 to 04th of November 2024, all Out of Hour Works (OOHW) shift has been assessed.

During Final Conversion Stage-3 (19th of October 2024 to 04th of November 2024), there were no exceedances of the noise predictions generated from the JHLORJV construction activity.

5. 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 following noise mitigation measures are implemented:

- Potential source noise controls include mufflers fitted to exhausts, regular maintenance of plant, acoustic enclosure of machinery on plant items, non-tonal reversing alarms fitted to plant.
- General monthly community notification.
- Specific notification to impacted residents were provided no later than 5 days out from start of possession.
- Additional mitigation measures such as Alternative Accommodation and Respite Offers.
- Use of real time noise monitors at targeted work locations. Periodic desk top checks on data collected by the 10 real time monitoring instruments were carried out during work periods.
- Environmental surveillance
- On site mitigation instructions to crews:
 - No music, no dropping of objects
 - No shouting or unnecessary noise
 - Be respectful of neighbors when coming and going from site. As far as possible, avoid congregating near residential property boundaries.
 - Position plant as far from residents as possible and orientate them if possible, to emit noise on non-resident side.
 - Plant to be switched off when not in use.

6. 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 Final Conversion Stage-3 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 L5.6 (Local Possession). 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.

Construction activities occurring within the rail corridor/danger zone can only be safely conducted during a rail possession during the absence of trains.

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 L5.6 & L5.7 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 – Noise Monitoring Results

- Monitoring Result
- Monitoring Location

Table 1. Monitoring Location A: NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments | | | |
|------------------|--------------------------|---|---|--|--|---|-----------|---|----|-----|---|
| 1 | 19/10/2024 To 20/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 64 | 71 | YES | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | | | |
| 2 | 20/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 69 | 71 | | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | | | |
| 3 | 20/10/2024 To 21/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 50 | 71 | | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | | | |
| 4 | 21/10/2024 To 22/10/2024 | | | | No Work Within 200m | | | | | | |
| 5 | 22/10/2024 To 23/10/2024 | | | | No Work Within 200m | | | | | | |
| 6 | 23/10/2024 To 24/10/2024 | | | | No Work Within 200m | | | | | | |
| 7 | 24/10/2024 To 25/10/2024 | | | | 63 | 66 | YES | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | | | |
| 8 | 25/10/2024 To 26/10/2024 | | | | 52 | 66 | | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | | | |
| 9 | 26/10/2024 To 27/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | No Work Within 200m | | | | | | |
| 10 | 27/10/2024 | | | | 51 | 71 | YES | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | | | |
| 11 | 27/10/2024 To 28/10/2024 | | | | No Work Within 200m | | | | | | |
| 12 | 28/10/2024 To 29/10/2024 | | | | | | | | | | |
| 13 | 29/10/2024 To 30/10/2024 | | | | | | | | | | |
| 14 | 30/10/2024 To 31/10/2024 | | | | | | | | | | |
| 15 | 31/10/2024 To 01/11/2024 | | | | | | | | | | |
| 16 | 01/11/2024 To 02/11/2024 | | | | No Work Within 200m | | | | | | |
| 17 | 02/11/2024 To 03/11/2024 | 61 | | | | | | | 72 | YES | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 18 | 03/11/2024 | 69 | | | | | | | 71 | | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 19 | 03/11/2024 To 04/11/2024 | 66 | | | 72 | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered | | | | | |

Table 2. Monitoring Location B: NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments | | | | |
|------------------|--------------------------|--|---|--|--|---|-----------|--|---------------------|--|--|--|
| 1 | 19/10/2024 To 20/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Work Within 200m | | | | | | | |
| 2 | 20/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified:<div>20/10/2024 13:45 Urban Siren 56</div>20/10/2024 15:15 Animal Activity 6220/10/2024 15:30 Animal Activity 5620/10/2024 16:45 Animal Activity 7020/10/2024 17:00 Urban Traffic 5720/10/2024 18:15 Urban Siren 56Construction related LAeq in period at Monitoring Location is 55 | 55 | YES | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value related to construction matched predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | | | |
| 3 | 20/10/2024 To 21/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | | | | | |
| 4 | 21/10/2024 To 22/10/2024 | | | | | | | | | | | |
| 5 | 22/10/2024 To 23/10/2024 | | | | | | | | | | | |
| 6 | 23/10/2024 To 24/10/2024 | | | | | | | | | | | |
| 7 | 24/10/2024 To 25/10/2024 | | | | | | | | | | | |
| 8 | 25/10/2024 To 26/10/2024 | | | | | | | | | | | |
| 9 | 26/10/2024 To 27/10/2024 | | | | | | | | | | | |
| 10 | 27/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | | | | | | | | |
| 11 | 27/10/2024 To 28/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | | No Work Within 200m | | | |
| 12 | 28/10/2024 To 29/10/2024 | | | | | | | | | | | |
| 13 | 29/10/2024 To 30/10/2024 | | | | | | | | | | | |
| 14 | 30/10/2024 To 31/10/2024 | | | | | | | | | | | |
| 15 | 31/10/2024 To 01/11/2024 | | | | | | | | | | | |
| 16 | 01/11/2024 To 02/11/2024 | | | | | | | | | | | |
| 17 | 02/11/2024 To 03/11/2024 | | | | | | | | | | | |
| 18 | 03/11/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | | | | | | | | |
| 19 | 03/11/2024 To 04/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | | | | | |

Table 3. Monitoring Location C: NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments | | |
|------------------|--------------------------------|--|---|---|---|--|--|--|--|--|
| 1 | 19/10/2024 To 20/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 56Excluding the following non-construction related event being identified:<div>19/10/2024 22:30 Urban Traffic 56</div><div>19/10/2024 23:15 Urban Traffic 55</div><div>20/10/2024 0:45 Urban Traffic 55</div><div>20/10/2024 5:30 Urban Traffic 55</div>Construction related LAeq in period at Monitoring Location is 53 | 53 | Yes | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value related to construction matched predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | |
| 2 | 20/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 63Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 54 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 49. | 53 | | <ul style="list-style-type: none">RBL: 47 dBAThe calculated construction related highest LAeq in work period (49 dBA) is lower than the predicted level (53 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | |
| 3 | 20/10/2024 To 21/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 58Excluding the following non-construction related event being identified:<div>21/10/2024 1:00 Aircraft 58</div><div>21/10/2024 6:15 Urban Traffic 55</div><div>21/10/2024 6:30 Urban Traffic 54</div><div>21/10/2024 6:45 Urban Traffic 57</div>Construction related LAeq in period at Monitoring Location is 54Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 54 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 40. | 53 | | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period (40 dBA) is lower than the predicted level (53 dBA).Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | |
| 4 | 21/10/2024 To 22/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 59Excluding the following non-construction related event being identified:<div>21/10/2024 23:30 Urban Traffic 59</div>Construction related LAeq in period at Monitoring Location is 56Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 54 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 42. | 53 | | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period (42 dBA) is lower than the predicted level (53 dBA).Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | |
| 5 | 22/10/2024 To 23/10/2024 | | | | No Work Within 200m | | | | | |
| 6 | 23/10/2024 To 24/10/2024 | | | | | | | | | |
| 7 | 24/10/2024 To 25/10/2024 | | | | | | | | | |
| 8 | 25/10/2024 To 26/10/2024 | | | | | | | | | |
| 9 | 26/10/2024 To 27/10/2024 | | | | | | | | | |
| 10 | 27/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 62 | 62 | Yes | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value matches predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | |
| 11 | 27/10/2024 To 28/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | No Work Within 200m | | | | | |
| 12 | 28/10/2024 To 29/10/2024 | | | | | | | | | |
| 13 | 29/10/2024 To 30/10/2024 | | | | 55 | 63 | Yes | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | |
| 14 | 30/10/2024 To 31/10/2024 | | | | 55 | 63 | | | | |
| 15 | 31/10/2024 To 01/11/2024 | | | | 55 | 63 | | | | |
| 16 | 01/11/2024 To 02/11/2024 | | | | 60 | 63 | | | | |
| 17 | 02/11/2024 To 03/11/2024 | | | | 62 | 63 | | | | |
| 18 | 03/11/2024 | 60 | | | 62 | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | | | |
| 19 | 03/11/2024 To 04/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 56 | 63 | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered | | | |

Table 4. Monitoring Location D: NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|---|---|-----------|---|
| 1 | 19/10/2024 To 20/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Work Within 200m | | | |
| 2 | 20/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | | | | |
| 3 | 20/10/2024 To 21/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | |
| 4 | 21/10/2024 To 22/10/2024 | | | | | | | |
| 5 | 22/10/2024 To 23/10/2024 | | | | | | | |
| 6 | 23/10/2024 To 24/10/2024 | | | | | | | |
| 7 | 24/10/2024 To 25/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div>24/10/2024 22:45 Urban Traffic 64</div><div>25/10/2024 6:00 Urban Traffic 64</div><div>25/10/2024 6:15 Urban Traffic 67</div><div>25/10/2024 6:30 Urban Traffic 64</div>Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 13 m from the source of the noise and sensitive receiver being 128 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 43. | 51 | Yes | <ul style="list-style-type: none">RBL: 42 dBAThe calculated construction related highest LAeq in work period (43 dBA) is lower than the predicted level (51 dBA).Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 8 | 25/10/2024 To 26/10/2024 | No Work Within 200m | | | | | | |
| 9 | 26/10/2024 To 27/10/2024 | | | | | | | |
| 10 | 27/10/2024 | | | | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | |
| 11 | 27/10/2024 To 28/10/2024 | | | | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | |
| 12 | 28/10/2024 To 29/10/2024 | | | | | | | |
| 13 | 29/10/2024 To 30/10/2024 | | | | | | | |
| 14 | 30/10/2024 To 31/10/2024 | | | | | | | |
| 15 | 31/10/2024 To 01/11/2024 | | | | | | | |
| 16 | 01/11/2024 To 02/11/2024 | | | | | | | |
| 17 | 02/11/2024 To 03/11/2024 | | | | | | | |
| 18 | 03/11/2024 | | | | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | |
| 19 | 03/11/2024 To 04/11/2024 | | | | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | |

Table 5. Monitoring Location E: NCA 12 - (HEX618) 40m NW of 2 West Terrace, Bankstown

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|--|---|-----------|--|
| 1 | 19/10/2024 To 20/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Work Within 200m | | | |
| 2 | 20/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified: 20/10/2024 21:45 Urban Traffic 69Construction related LAeq in period at Monitoring Location is 67 | 67 | Yes | <ul style="list-style-type: none">RBL: 54 dBANoise monitor detect highest LAeq15min value related to construction matched predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 20/10/2024 To 21/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | No Work Within 200m | | | |
| 4 | 21/10/2024 To 22/10/2024 | | | | | | | |
| 5 | 22/10/2024 To 23/10/2024 | | | | | | | |
| 6 | 23/10/2024 To 24/10/2024 | | | | | | | |
| 7 | 24/10/2024 To 25/10/2024 | | | | | | | |
| | | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified: 25/10/2024 5:45 Urban Traffic 62 25/10/2024 6:00 Urban Traffic 64 25/10/2024 6:15 Urban Traffic 65 25/10/2024 6:30 Urban Traffic 63 25/10/2024 6:45 Urban Traffic 62Construction related LAeq in period at Monitoring Location is 62Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 46 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 44. | 53 | Yes | <ul style="list-style-type: none">RBL: 42 dBAThe calculated construction related highest LAeq in work period (44 dBA) is lower than the predicted level (53 dBA).Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 8 | 25/10/2024 To 26/10/2024 | | | | No Work Within 200m | | | |
| 9 | 26/10/2024 To 27/10/2024 | | | | | | | |
| 10 | 27/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 46 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52. | 69 | Yes | <ul style="list-style-type: none">RBL: 54 dBAThe calculated construction related highest LAeq in work period (52 dBA) is lower than the predicted level (69 dBA).Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 11 | 27/10/2024 To 28/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | No Work Within 200m | | | |
| 12 | 28/10/2024 To 29/10/2024 | | | | | | | |
| 13 | 29/10/2024 To 30/10/2024 | | | | | | | |
| 14 | 30/10/2024 To 31/10/2024 | | | | | | | |
| 15 | 31/10/2024 To 01/11/2024 | | | | | | | |
| 16 | 01/11/2024 To 02/11/2024 | | | | | | | |
| 17 | 02/11/2024 To 03/11/2024 | | | | | | | |
| 18 | 03/11/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | | | | |
| 19 | 03/11/2024 To 04/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | |

Table 6. Monitoring Location F: NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|--|---|-----------|---|
| 1 | 19/10/2024 To 20/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | | | | No Work Within 200m |
| 2 | 20/10/2024 | Day 08:00 to 18:00 Evening 18:00 to 22:00 | | | | | | |
| 3 | 20/10/2024 To 21/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | |
| 4 | 21/10/2024 To 22/10/2024 | | | | | | | |
| 5 | 22/10/2024 To 23/10/2024 | | | | | | | |
| 6 | 23/10/2024 To 24/10/2024 | | | | | | | |
| 7 | 24/10/2024 To 25/10/2024 | | | | | | | |
| 8 | 25/10/2024 To 26/10/2024 | | | | | | | |
| 9 | 26/10/2024 To 27/10/2024 | | | | | | | |
| 10 | 27/10/2024 | Day 08:00 to 18:00 Evening 18:00 to 22:00 | | | | | | |
| 11 | 27/10/2024 To 28/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | |
| 12 | 28/10/2024 To 29/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div>29/10/2024 1:30 ARTC Train 68</div><div>29/10/2024 5:00 ARTC Train 71</div>Construction related LAeq in period at Monitoring Location is 66Due to the monitoring location being 10 m from the source of the noise and sensitive receiver being 15 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 62. | 58 | Yes | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (62 dBA) is higher than the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.No further additional mitigation measures required. |
| 13 | 29/10/2024 To 30/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified:<div>30/10/2024 4:30 ARTC Train 68</div><div>30/10/2024 6:15 ARTC Train 67</div>Construction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 10 m from the source of the noise and sensitive receiver being 15 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 63. | | | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (63 dBA) is higher than the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.No further additional mitigation measures required. |
| 14 | 30/10/2024 To 31/10/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div>30/10/2024 22:15 ARTC Train 71</div><div>31/10/2024 0:00 ARTC Train 68</div><div>31/10/2024 0:15 ARTC Train 68</div><div>31/10/2024 1:45 ARTC Train 69</div><div>31/10/2024 5:45 ARTC Train 67</div>Construction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 10 m from the source of the noise and sensitive receiver being 15 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 63. | | | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (63 dBA) is higher than the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.No further additional mitigation measures required. |
| 15 | 31/10/2024 To 01/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<div>31/10/2024 23:30 ARTC Train 64</div><div>1/11/2024 1:45 ARTC Train 65</div><div>1/11/2024 2:00 ARTC Train 67</div><div>1/11/2024 2:30 ARTC Train 64</div><div>1/11/2024 3:30 ARTC Train 66</div><div>1/11/2024 4:45 ARTC Train 63</div><div>1/11/2024 5:15 ARTC Train 69</div><div>1/11/2024 6:30 ARTC Train 65</div>Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 10 m from the source of the noise and sensitive receiver being 15 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 59. | | | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (59 dBA) is higher than the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.No further additional mitigation measures required. |

| | | | | | |
|----|--------------------------------|--|--|--|---------------------|
| 16 | 01/11/2024 To 02/11/2024 | | | | No Work Within 200m |
| 17 | 02/11/2024 To 03/11/2024 | | | | |
| 18 | 03/11/2024 | | | | |
| 19 | 03/11/2024 To 04/11/2024 | | | | |

Table 7. Monitoring Location G: NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------------|--|---|---|--|---|-----------|---|
| 1 | 19/10/2024 To 20/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | No Work Within 200m | | | |
| 2 | 20/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 63 | 76 | Yes | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 20/10/2024 To 21/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | No Work Within 200m | | | |
| 4 | 21/10/2024 To 22/10/2024 | | | | | | | |
| 5 | 22/10/2024 To 23/10/2024 | | | | | | | |
| 6 | 23/10/2024 To 24/10/2024 | | | | | | | |
| 7 | 24/10/2024 To 25/10/2024 | | | | | | | |
| 8 | 25/10/2024 To 26/10/2024 | | | | | | | |
| 9 | 26/10/2024 To 27/10/2024 | | | | | | | |
| 10 | 27/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 63 | 76 | Yes | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 11 | 27/10/2024 To 28/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | No Work Within 200m | | | |
| 12 | 28/10/2024 To 29/10/2024 | | | | | | | |
| 13 | 29/10/2024 To 30/10/2024 | | | | | | | |
| 14 | 30/10/2024 To 31/10/2024 | | | | | | | |
| 15 | 31/10/2024 To 01/11/2024 | | | | | | | |
| 16 | 01/11/2024 To 02/11/2024 | | | | | | | |
| 17 | 02/11/2024 To 03/11/2024 | | | | | | | |
| 18 | 03/11/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | 73 | 76 | Yes | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 19 | 03/11/2024 To 04/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | No Work Within 200m | | | |

Table 8. Monitoring Location H: NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------------|---|---|---|---|---|-----------|---|
| 1 | 19/10/2024 To 20/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | | | | |
| 2 | 20/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified:<div>20/10/2024 7:45 ARTC Train 73 20/10/2024 7:45 ARTC Train 73 20/10/2024 18:30 ARTC Train 71 20/10/2024 18:45 ARTC Train 71 20/10/2024 19:00 ARTC Train 76 20/10/2024 19:30 ARTC Train 72 20/10/2024 20:00 ARTC Train 69</div>Construction related LAeq in period at Monitoring Location is 69Due to the monitoring location being 7 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 61. | 63 | Yes | <ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (61 dBA) is lower than the predicted level (63 dBA).Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 20/10/2024 To 21/10/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | |
| 4 | 21/10/2024 To 22/10/2024 | | | | | | | |
| 5 | 22/10/2024 To 23/10/2024 | | | | | | | |
| 6 | 23/10/2024 To 24/10/2024 | | | | | | | |
| 7 | 24/10/2024 To 25/10/2024 | | | | | | | |
| 8 | 25/10/2024 To 26/10/2024 | | | | | | | |
| 9 | 26/10/2024 To 27/10/2024 | | | | | | | |
| 10 | 27/10/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | | | | |
| 11 | 27/10/2024 To 28/10/2024 | | | | | | | |
| 12 | 28/10/2024 To 29/10/2024 | | | | | | | |
| 13 | 29/10/2024 To 30/10/2024 | | | | | | | |
| 14 | 30/10/2024 To 31/10/2024 | | | | | | | |
| 15 | 31/10/2024 To 01/11/2024 | | | | | | | |
| 16 | 01/11/2024 To 02/11/2024 | | | | | | | |
| 17 | 02/11/2024 To 03/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | |
| 18 | 03/11/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 78An Excavator identified idling adjacent to the noise moinitorDue to the monitoring location being 2 m from the source of the noise and sensitive receiver being 7.5 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 61. | 68 | Yes | <ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (61 dBA) is lower than the predicted level (68 dBA).Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 19 | 03/11/2024 To 04/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | | | | |

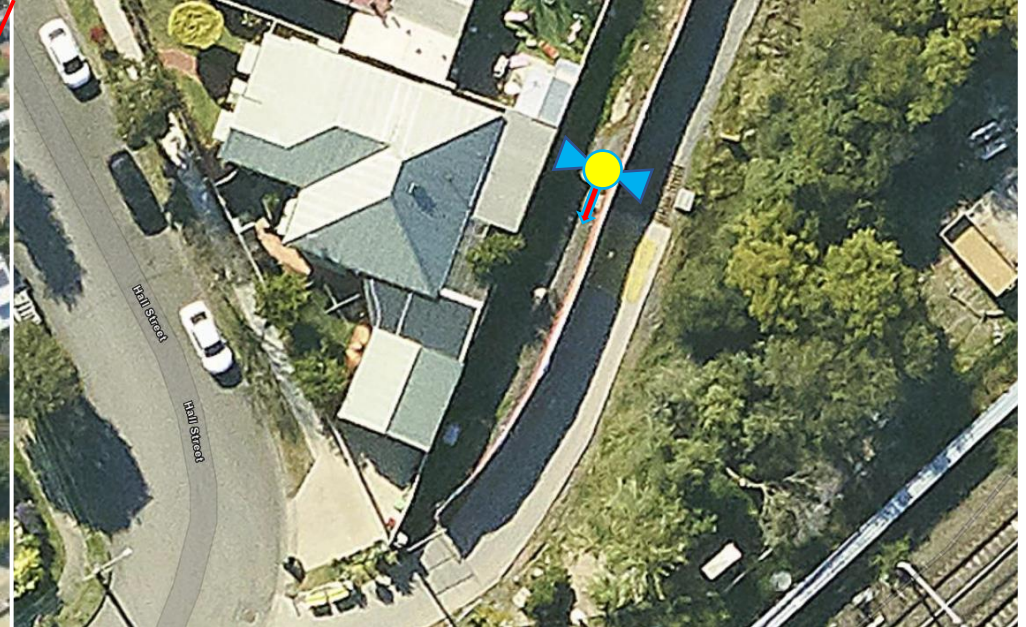
Table 9. Monitoring Location I: NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|-----------|---|---|--|--|---|-----------|--|
| 1 | 3/11/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 63 | 64 | | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

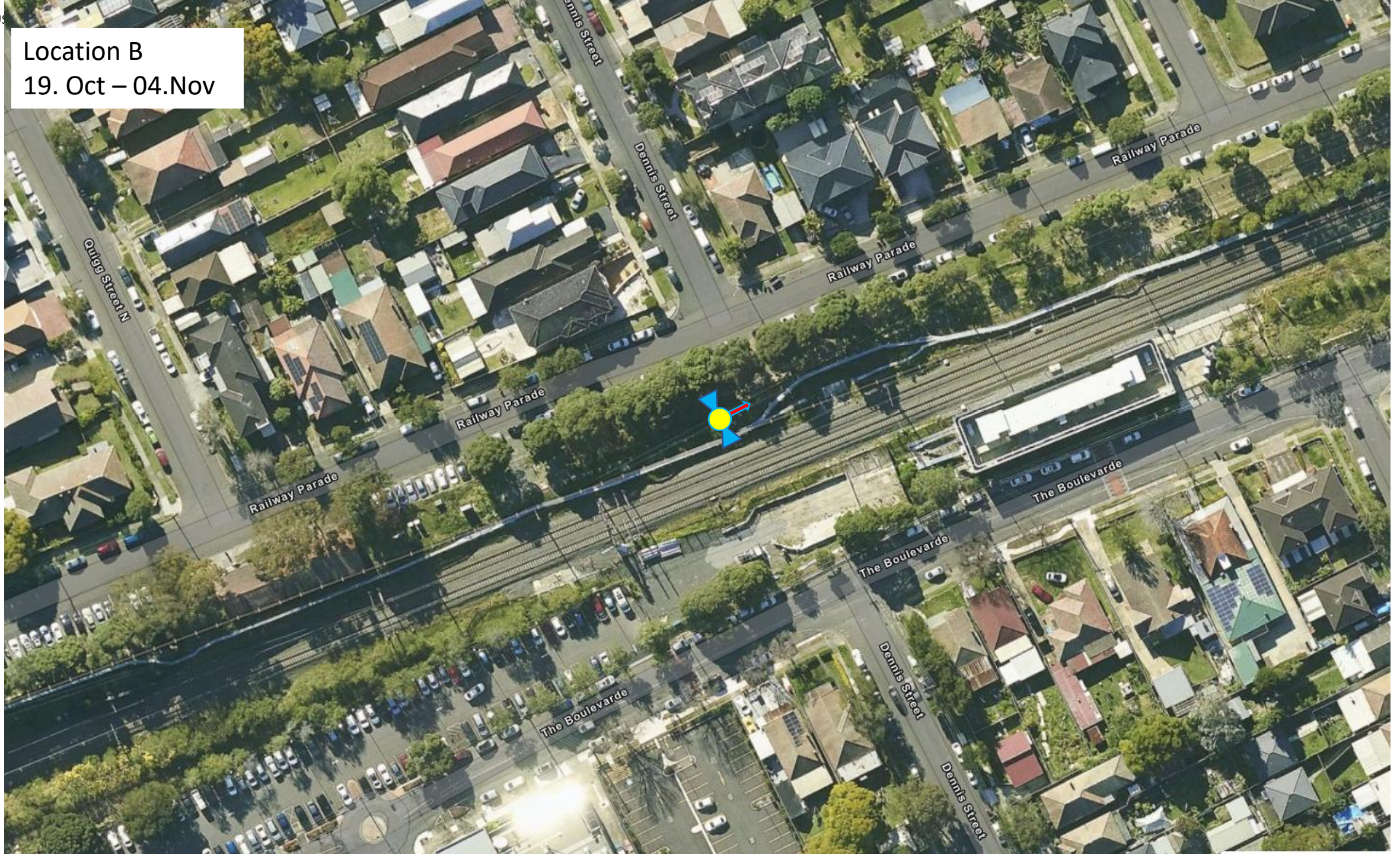
Table 10. Monitoring Location J: NCA 05 – (HEX631) 18m S from 32-24 Campsie St, Campsie

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|-----------|---|---|--|---|---|-----------|--|
| 1 | 3/11/2024 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 56Excluding the following non-construction related event being identified:<div><div>3/11/2024 7:45</div><div>ARTC Train</div><div>65</div></div><div><div>3/11/2024 12:30</div><div>Human Activity</div><div>71</div></div><div><div>3/11/2024 14:00</div><div>ARTC Train</div><div>65</div></div><div><div>3/11/2024 18:30</div><div>ARTC Train</div><div>66</div></div><div><div>3/11/2024 21:00</div><div>ARTC Train</div><div>64</div></div>Construction related LAeq in period at Monitoring Location is 61 | 63 | | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Location A
19. Oct – 04. Nov



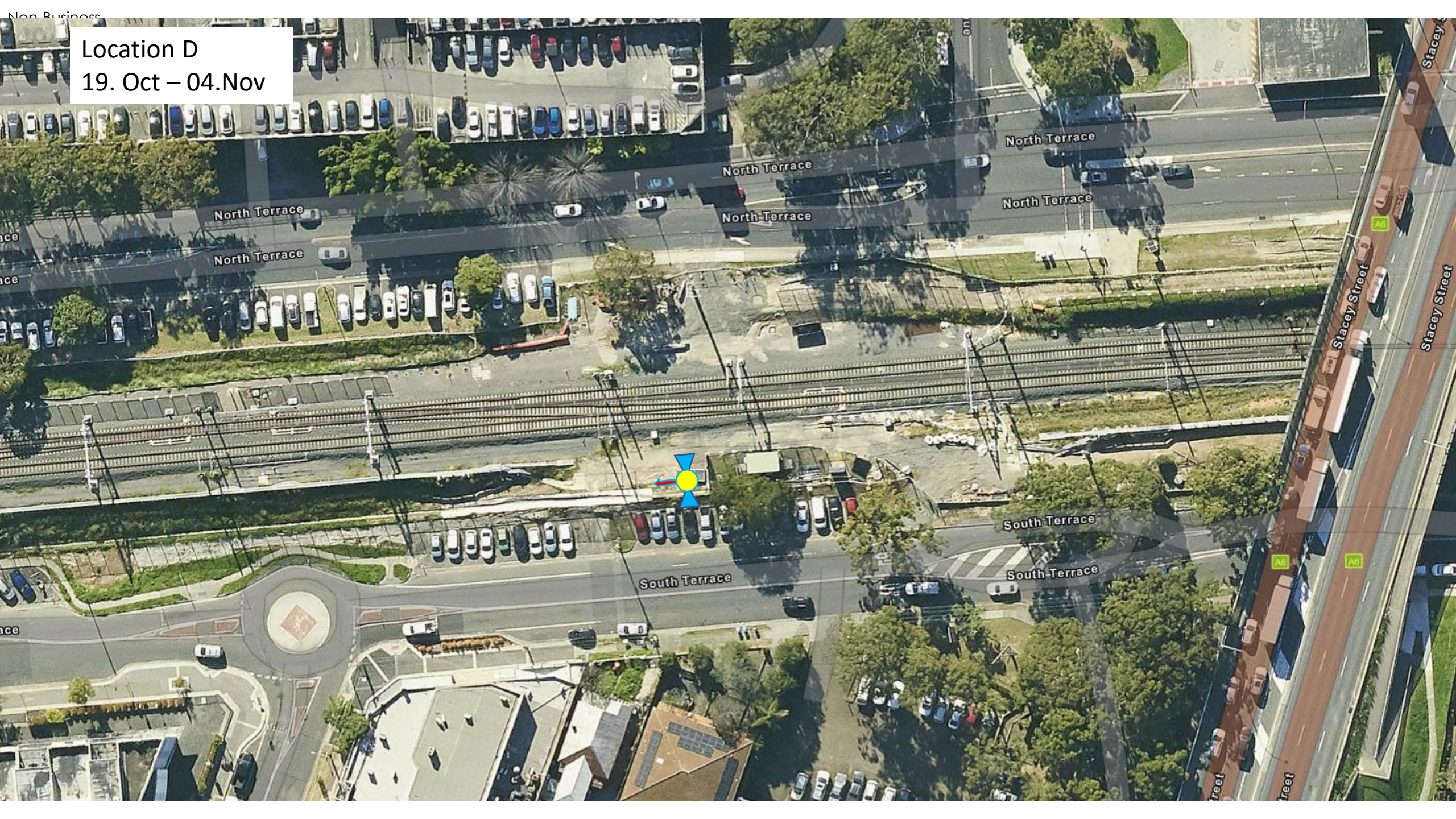
Location B
19. Oct – 04.Nov



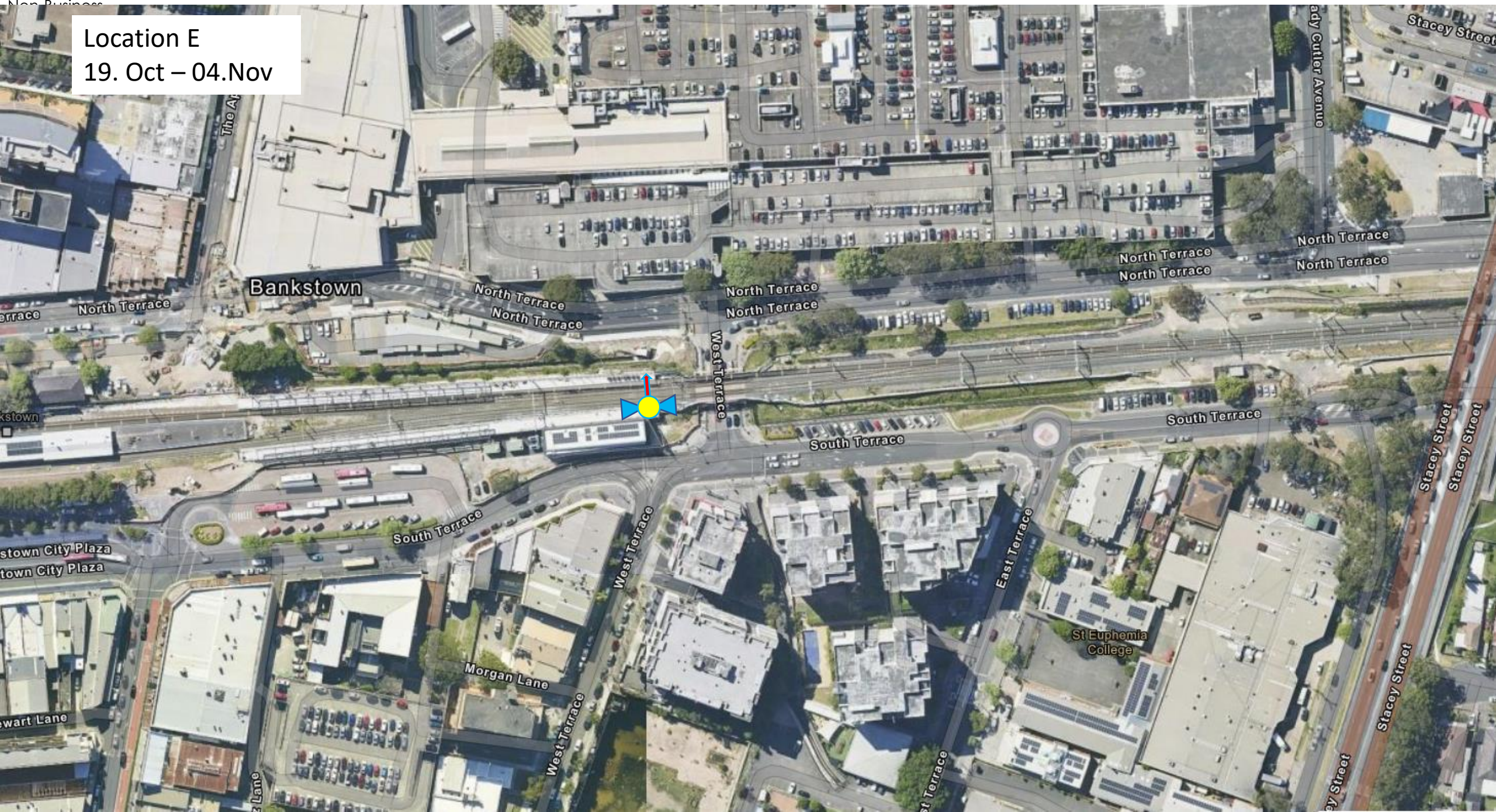
Location C
19. Oct – 04.Nov



Location D
19. Oct – 04.Nov



Location E
19. Oct – 04.Nov



Location F
19. Oct – 04.Nov



Location G
19. Oct – 04.Nov

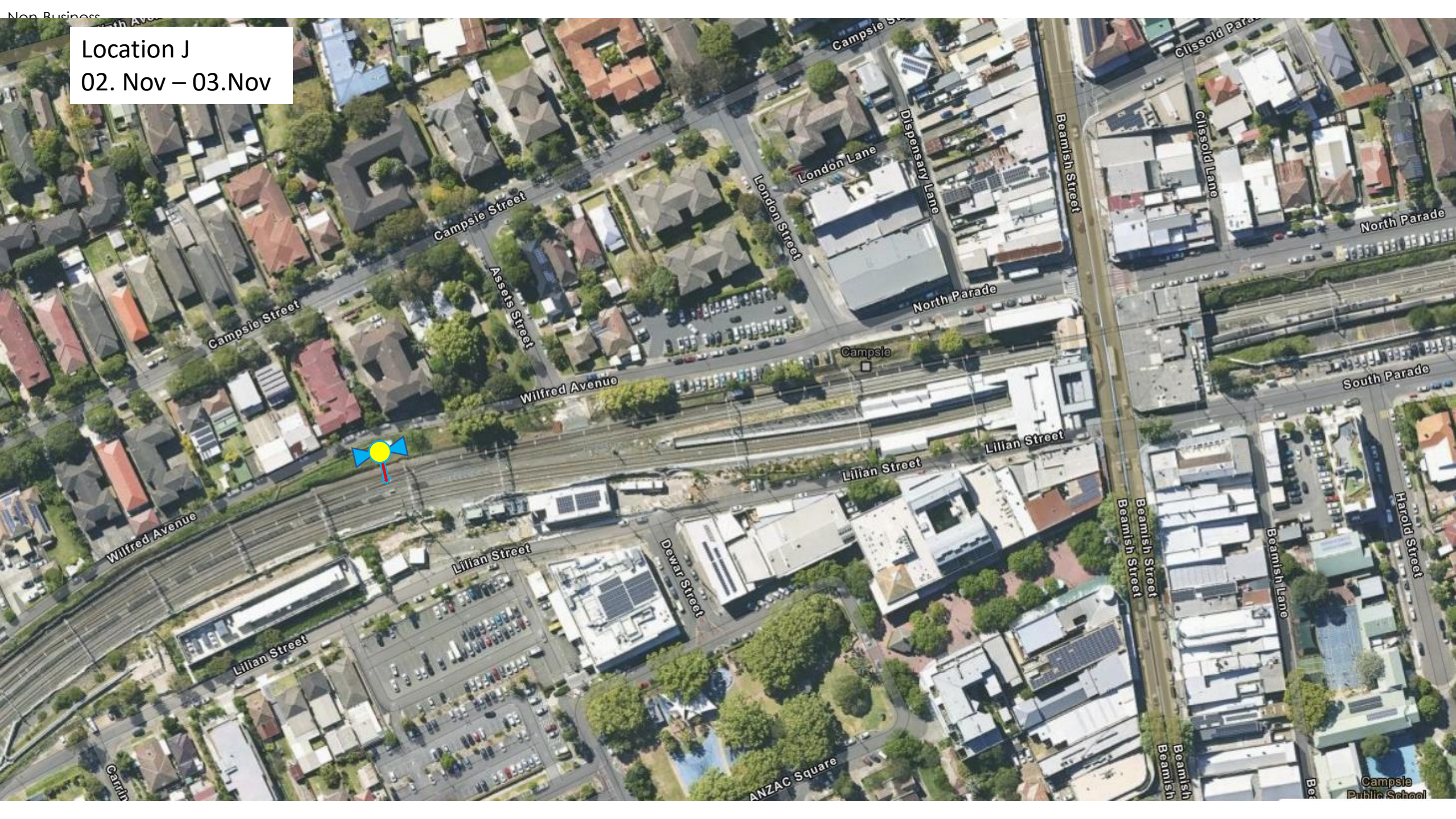


Location H
19. Oct – 04.Nov



Location I
02. Oct – 04. Nov





Location J
02. Nov – 03. Nov

EPL 21147
R4.4 Validation Report

SWMC WE18 Utility and Local Area Works

CCTV, Sewer Jetting and Road line marking

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 |
|----------|-------------|-------------------|---------------|-------------|
| 00 | 21 Nov 2024 | Prepared for R4.4 | Zhengyi Zhang | Lucas |
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Management reviews

| Review date | Details | Reviewed by |
|-------------|---------|-------------|
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Controlled: NO Copy no.: Uncontrolled: YES

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Introduction

This validation report has been prepared for out-of-hour works carried out over 7th to 8th November 2024 in Week 18 over one (1) nights of Utility Works under condition L5.7 – Local Area and Utility Works. The Utility works were undertaken at the following locations:

- CCTV and Jetting works at North of Sydenham Station on Railway Parade (No sensitive receiver within 100m radius)
- CCTV and Jetting works at South of Sydenham Station on Burrows Ave close to Bolton St (5 m north-west of 30 Hogan Ave)
- Line remarking works at South of Sydenham Station on Bolton St close to Burrows Ave (16 m north of 30 Hogan Ave)

R4.4(a)

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:

- Vacuum Truck
- Skid-steer loader with grinder attachment.

2. A copy of the community notification required under Condition L5.12

A copy of the community notification required under Condition L5.12 This is appended as Attachment 2.

3. Noise monitoring as required by L5.8(d)

Week 18 Night utility works attended noise monitoring was carried out adjacent to 30 Hogan Ave, Sydenham during shifts on 7th November 2024. Please refer to Attachment 1 – Noise Monitoring below for results of noise monitoring.

4. Details of any exceedances of predicted noise levels;

Two (2) round of attended monitoring sessions has been carried out for CCTV jetting and line remarking works.

Attended noise monitoring has been carried out adjacent to 30 Hogan Ave. The predicted LAeq15min value is 77 dBA. The highest LAeq15min recorded below (with background Sydney Train noise):

- Line remarking works at South of Sydenham Station on Bolton St close to Burrows Ave: 72 dBA
- CCTV and Jetting works at South of Sydenham Station on Burrows Ave close to Bolton St: 76 dBA

No exceedance was recorded during attended monitoring sessions during the works on 7th November 2024, with reference to Attachment 1 – Noise Monitoring validated the predictions.

5. 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:

- The Engineer in charge of the works briefed the works team on the OOHW.
- Works occur within the hours agreed in the OOHW in accordance with the Road Occupancy License (ROL)
- 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
- Attended noise monitoring
- Respite for receivers with potential noise exceedance of over 20dB and alternative accommodation offered for receivers with potential noise exceedance of over 30dB.

6. The justification required under L5.7 for the carrying out of works outside of standard construction hours in L5.1.

The works carried out during the night period was carried under condition L5.7(a)(iv) - Local Area and Utility Works Possessions. Due to high daytime traffic volumes on Railway Parade, Bolton St and Burrows Ave. Transport For NSW (the road authority in this area) has only approved Road Occupancy Licence (ROL) to JHLOR to conduct these activities at night as it minimizes disruptions to traffic, pedestrians and community as a whole. The Local Traffic Committee (Council, Fire, Police & Ambos) have endorsed the traffic plan for the activity.

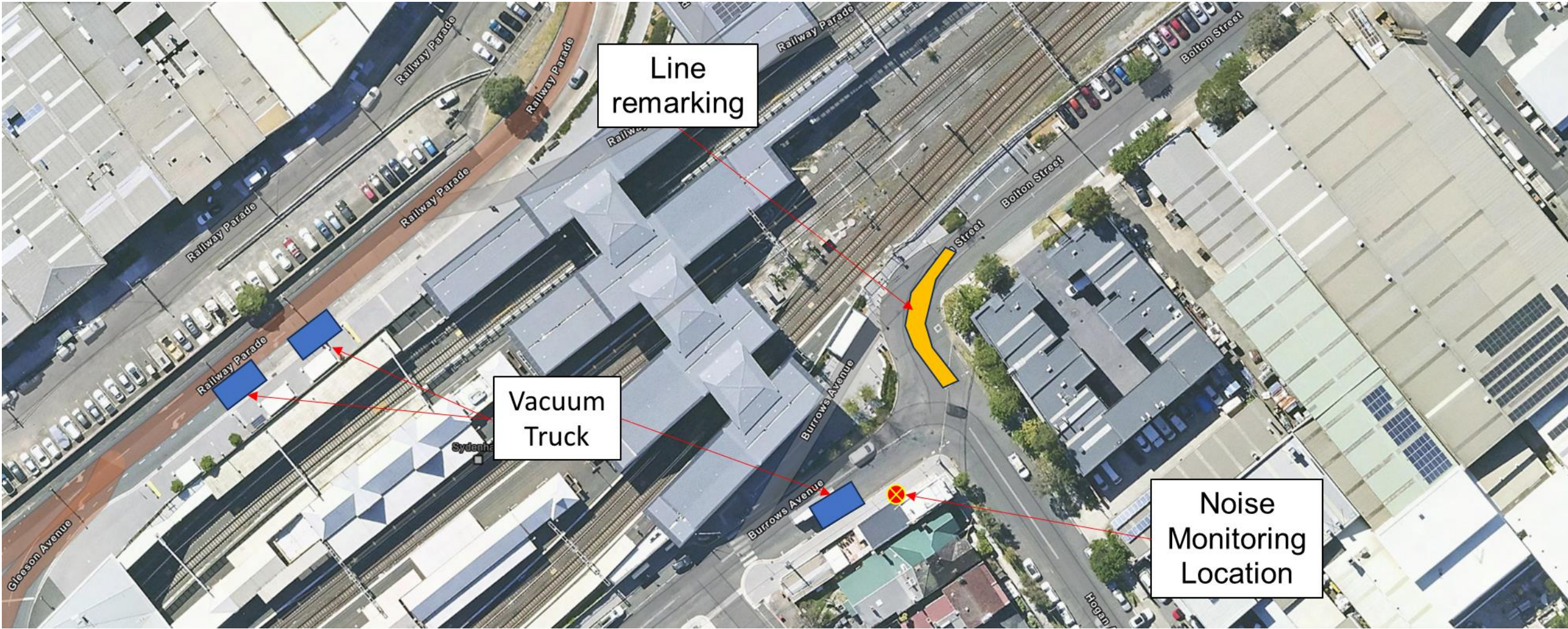
All feasible and reasonable at-source noise controls were implemented in accordance with Condition L4.1, and noise mitigation measures were implemented in accordance with JHLORJV's CNVIS and Interim Construction Noise Guideline (DECC 2009).

R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.6 & L5.7 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 – Noise Monitoring

| Reference Number | Monitoring Location (Address) | Attended or Continuous | Weather | Date | Time (hrs) | Construction Activities | Main source of noise | Highest LAeq 15min in work period | Period | Predicted noise level LAeq,15min | Compliant | Comments |
|------------------|-------------------------------|------------------------|---------|------------|----------------|---|---|-----------------------------------|--------|----------------------------------|-----------|--|
| 1 | North wall of 30 Hogan Ave | Attended | Good | 07/11/2024 | 22:15 to 22:30 | Road surface grinding Line remarking | Skid-steer loader with grinder attachment | 72 | Night | 77 | Yes | RBL: 42 Highest LAeq15min value of 72 dBA due to general construction noise between the hours of 22:15 to 22:30 as approved in the ROL. Prediction of LAeq15min 77dBA validated. Respite and alternate accommodation provided to residents. |
| 2 | | | | | 22:36 to 22:51 | CCTV Jetting | Vacuum Truck | 76 | | | | RBL: 42 Highest LAeq15min value of 76 dBA due to general construction noise between the hours of 22:36 to 22:51 as approved in the ROL. Prediction of LAeq15min 77dBA validated. Respite and alternate accommodation provided to residents. |



EPL 21147
R4.4 Validation Report

SWMC Final Conversion Stage-3
(04. Nov. 2024 - 17. Nov. 2024)

Track tamping, Track adjustment, Track grinding, Marrickville track sewer upgrade, Victoria Transom Rail Bridge upgrade, Track side signal equipment demolition; Cabling and Trackside Equipment.

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 |
|----------|------------|-------------------|---------------|----------------|
| 00 | 29/11/2024 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
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Management reviews

| Review date | Details | Reviewed by |
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| Controlled: | NO | Copy no.: | Uncontrolled: | YES |
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R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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 worksite3

2. A copy of the community notification required under Condition L5.124

3. Noise monitoring as required by L5.8(d)4

4. Details of any exceedances of predicted noise levels;4

5. 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

6. The justification required under 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 L5.6 & L5.7 by no later than 2 business days from the end of each fortnight.5

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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 over from 04th November 2024 to 17th November 2024 during the Final Conversion Stage-3 Rail Possession.

The possession extended from Sydenham Station to Bankstown Station on Sydney Train track.

The following activities were carried under condition L5.6 - Local Possessions;

- Track tamping,
- Track adjustment,
- Track grinding,
- Marrickville track sewer upgrade,
- Victoria Transom Rail Bridge upgrade,
- Track side signal equipment demolition,
- Cabling and Trackside Equipment.

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

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

- Excavators 3T, 6 and 13T (inc jack hammer, augering and demolition attachments)
- Balloon tyre dump trucks (Hydrema)
- Light vehicles
- Trucks
- Payloader
- Handheld powered tools
- Vac Trucks
- EWP/telehandler
- Front-end loader
- Concrete truck and line pump
- Portable Generators
- Compressors
- Compactor
- Bogie
- Water pumps
- 4T Dumpy
- Site lights
- Mobile crane
- Taper
- Regulator
- Track grinder
- Track thermos-welding kit

2. A copy of the community notification required under Condition L5.12

A copy of the community notification required under Condition L5.12 is appended as **Attachment 2**.

3. Noise monitoring as required by L5.8(d)

Final Conversion Stage-3 (19. Oct. 2024 - 04. Nov. 2024) noise monitoring was carried out at 10 locations on the perimeter of the rail corridor.

All monitoring locations are closer to the source of the noise than the nearest sensitive receiver.

Note: calculation will be done where the noise at monitoring location exceeds the predicted level at the nearest sensitive receiver.

Monitoring locations listed below:

- a. NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.
 - Noise Monitor is 99 m from the source of the noise
 - Sensitive Receiver is 101 m from the source of the noise
- b. NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville
 - Noise Monitor is 16 m from the source of the noise
 - Sensitive Receiver is 26 m from the source of the noise
- c. NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.
 - Noise Monitor is 20 m from the source of the noise
 - Sensitive Receiver is 32 m from the source of the noise
- d. NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill.
 - Noise Monitor is 6 m from the source of the noise
 - Sensitive Receiver is 33 m from the source of the noise
- e. NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.
 - Noise Monitor is 1 m from the source of the noise
 - Sensitive Receiver is 4 m from the source of the noise
- f. NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.
 - Noise Monitor is 30 m from the source of the noise
 - Sensitive Receiver is 55 m from the source of the noise
- g. NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.
 - Noise Monitor is 11 m from the source of the noise
 - Sensitive Receiver is 54 m from the source of the noise

Refer to **Appendix 1** for noise monitoring results.

4. Details of any exceedances of predicted noise levels;

Noise (LAeq 15min) data was collected at the 7 locations between the 04th of November 2024 to 17th of November 2024, all Out of Hour Works (OOHW) shift has been assessed.

During Final Conversion Stage-3 (04th of November 2024 to 17th of November 2024), there were no exceedances of the noise predictions generated from the JHLORJV construction activity.

5. 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 following noise mitigation measures are implemented:

- Potential source noise controls include mufflers fitted to exhausts, regular maintenance of plant, acoustic enclosure of machinery on plant items, non-tonal reversing alarms fitted to plant.
- General monthly community notification.
- Specific notification to impacted residents were provided no later than 5 days out from start of possession.
- Additional mitigation measures such as Alternative Accommodation and Respite Offers.
- Use of real time noise monitors at targeted work locations. Periodic desk top checks on data collected by the 7 real time monitoring instruments were carried out during work periods.
- Environmental surveillance
- On site mitigation instructions to crews:
 - No music, no dropping of objects
 - No shouting or unnecessary noise
 - Be respectful of neighbors when coming and going from site. As far as possible, avoid congregating near residential property boundaries.
 - Position plant as far from residents as possible and orientate them if possible, to emit noise on non-resident side.
 - Plant to be switched off when not in use.

6. 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 Final Conversion Stage-3 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 L5.6 (Local Possession). 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.

Construction activities occurring within the rail corridor/danger zone can only be safely conducted during a rail possession during the absence of trains.

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 L5.6 & L5.7 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 – Noise Monitoring Results

- Monitoring Result
- Monitoring Location

Table 1. Monitoring Location A: NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|--|---|-----------|---|
| 1 | 04/11/2024 To 05/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<div><div>4/11/2024 22:3067ARTC Train</div><div>4/11/2024 23:1562ARTC Train</div><div>5/11/2024 0:0065ARTC Train</div><div>5/11/2024 0:3068ARTC Train Horn</div><div>5/11/2024 0:4565ARTC Train</div><div>5/11/2024 1:1562ARTC Train</div><div>5/11/2024 1:3062ARTC Train</div><div>5/11/2024 2:0061ARTC Train</div><div>5/11/2024 2:1561ARTC Train</div><div>5/11/2024 2:3066ARTC Train</div><div>5/11/2024 4:3065ARTC Train</div><div>5/11/2024 5:4567ARTC Train</div><div>5/11/2024 6:3069ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 61 | 65 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 05/11/2024 To 06/11/2024 | | | | 66 | 65 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction above predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.Appropriate mitigation measures being offered..No further additional mitigation measures required. |
| 3 | 06/11/2024 To 07/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<div><div>6/11/2024 22:3065ARTC Train</div><div>6/11/2024 23:1568ARTC Train</div><div>7/11/2024 1:0066ARTC Train</div><div>7/11/2024 2:0067ARTC Train</div><div>7/11/2024 2:1567ARTC Train</div><div>7/11/2024 4:0065ARTC Train</div><div>7/11/2024 6:3069ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 65 | 65 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction matched predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 4 | 07/11/2024 To 08/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<div><div>7/11/2024 22:1567ARTC Train</div><div>7/11/2024 23:1565ARTC Train</div><div>8/11/2024 0:3067ARTC Train</div><div>8/11/2024 1:0068ARTC Train</div><div>8/11/2024 1:4564ARTC Train</div><div>8/11/2024 4:4573ARTC Train</div><div>8/11/2024 5:4566ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 61 | 65 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 5 | 10/11/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>10/11/2024 9:1563ARTC Train</div><div>10/11/2024 9:3064ARTC Train</div><div>10/11/2024 10:0067ARTC Train</div><div>10/11/2024 13:3068ARTC Train</div><div>10/11/2024 14:1564ARTC Train</div><div>10/11/2024 16:0071ARTC Train</div><div>10/11/2024 16:1562ARTC Train</div><div>10/11/2024 17:4565ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 58 | 61 | Y | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Day shift works) in this area didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 2. Monitoring Location B: NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|--|---|-----------|---|
| 1 | 04/11/2024 To 05/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpSite lightsMobile Crane | 64 | 69 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 05/11/2024 To 06/11/2024 | | | | 65 | 69 | Y | |
| 3 | 06/11/2024 To 07/11/2024 | | | | 63 | 69 | Y | |
| 4 | 07/11/2024 To 08/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified: 7/11/2024 23:30 66 ARTC Train 8/11/2024 1:45 70 ARTC Train 8/11/2024 5:45 69 ARTC TrainConstruction related LAeq in period at Monitoring Location is 61 | 69 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 10/11/2024 | Day 08:00 to 18:00 | | | 65 | 70 | Y | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 3. Monitoring Location C: NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|---|---|-----------|--|
| 1 | 04/11/2024 To 05/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesHandheld powered and non-powered tools | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 57Excluding the following non-construction related event being identified: 5/11/2024 1:45 57 ARTC TrainConstruction related LAeq in period at Monitoring Location is 54 | 54 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 05/11/2024 To 06/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 58Due to the monitoring location being 20 m from the source of the noise and sensitive receiver being 32 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 53. | 54 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (53 dBA) is lower than the predicted level (54 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 06/11/2024 To 07/11/2024 | | | | 57 | 65 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 07/11/2024 To 08/11/2024 | | | | 61 | 65 | Y | |
| 5 | 10/11/2024 | Day 08:00 to 18:00 | | | 56 | 61 | Y | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 4. Monitoring Location D: NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|---|---|-----------|--|
| 1 | 04/11/2024 To 05/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesHandheld powered and non-powered tools | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<div>5/11/2024 1:15 71 ARTC Train</div><div>5/11/2024 1:45 71 ARTC Train</div><div>5/11/2024 2:00 73 ARTC Train</div><div>5/11/2024 5:30 71 ARTC Train</div><div>5/11/2024 6:00 68 ARTC Train</div><div>5/11/2024 6:30 71 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 68Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 33 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 53. | 55 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (53 dBA) is lower than the predicted level (55 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 05/11/2024 To 06/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div>5/11/2024 23:00 69 ARTC Train</div><div>6/11/2024 0:00 67 ARTC Train</div><div>6/11/2024 0:45 71 ARTC Train</div><div>6/11/2024 1:00 68 ARTC Train</div><div>6/11/2024 1:15 70 ARTC Train</div><div>6/11/2024 2:30 71 ARTC Train</div><div>6/11/2024 4:45 69 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 33 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52. | 55 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (52 dBA) is lower than the predicted level (55 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 06/11/2024 To 07/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 75Excluding the following non-construction related event being identified:<div>6/11/2024 23:15 70 ARTC Train</div><div>6/11/2024 23:30 68 ARTC Train</div><div>6/11/2024 23:45 63 ARTC Train</div><div>7/11/2024 0:15 72 ARTC Train</div><div>7/11/2024 0:45 72 ARTC Train</div><div>7/11/2024 1:30 59 ARTC Train</div><div>7/11/2024 2:00 71 ARTC Train</div><div>7/11/2024 2:15 70 ARTC Train</div><div>7/11/2024 2:30 68 ARTC Train</div><div>7/11/2024 3:30 69 ARTC Train</div><div>7/11/2024 4:00 75 ARTC Train</div><div>7/11/2024 4:30 71 ARTC Train</div><div>7/11/2024 5:15 64 ARTC Train</div><div>7/11/2024 6:15 67 ARTC Train</div><div>7/11/2024 6:30 70 Aircraft</div><div>7/11/2024 6:45 57 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 51 | 54 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 4 | 07/11/2024 To 08/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<div>7/11/2024 22:15 71 ARTC Train</div><div>7/11/2024 22:30 68 ARTC Train</div><div>7/11/2024 23:00 66 ARTC Train</div><div>7/11/2024 23:30 72 ARTC Train</div><div>7/11/2024 23:45 67 ARTC Train</div><div>8/11/2024 0:30 69 ARTC Train</div><div>8/11/2024 0:45 68 ARTC Train</div><div>8/11/2024 1:15 63 ARTC Train</div><div>8/11/2024 1:30 66 ARTC Train</div><div>8/11/2024 1:45 73 ARTC Train</div><div>8/11/2024 2:30 61 ARTC Train</div><div>8/11/2024 3:45 60 ARTC Train</div><div>8/11/2024 4:45 68 ARTC Train</div><div>8/11/2024 6:00 64 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 54 | 54 | Y | |
| 5 | 10/11/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 77Excluding the following non-construction related event being identified:<div>10/11/2024 9:45 62 ARTC Train</div><div>10/11/2024 10:00 68 ARTC Train</div><div>10/11/2024 12:45 68 ARTC Train</div><div>10/11/2024 13:30 77 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 69Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 33 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54. | 62 | Y | <ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (54 dBA) is lower than the predicted level (62 dBA)Predicted noise levels (Day shift works) in this area didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 5. Monitoring Location E: NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|------------|-----------------------|---|--|--|---|-----------|--|
| 1 | 10/11/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane | 58 | 67 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 17/11/2024 | | | | 61 | 67 | Y | |

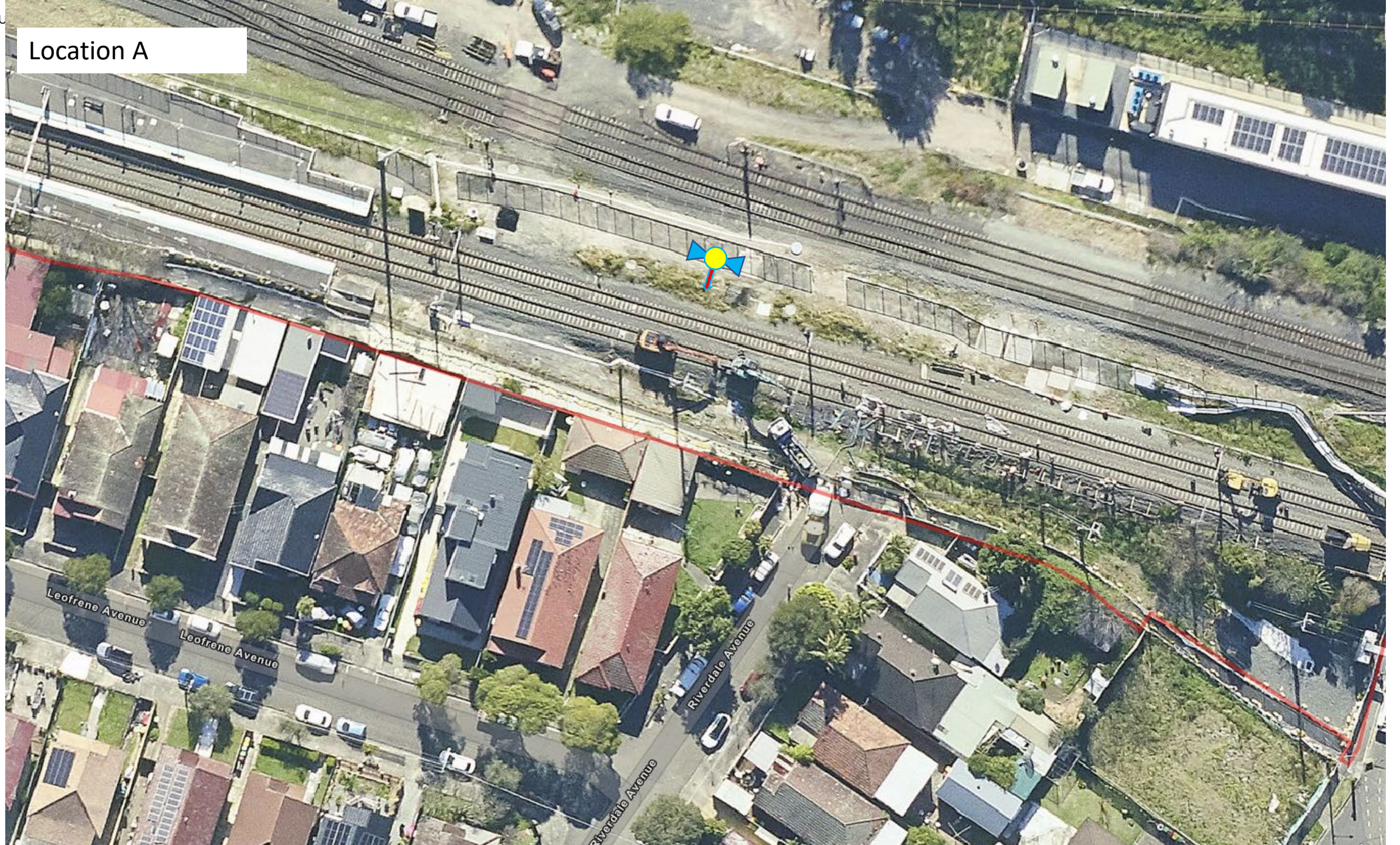
Table 6. Monitoring Location F: NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|------------|-----------------------|---|---|--|---|-----------|--|
| 1 | 17/11/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">TamperRegulatorRail grinderBalloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsExcavators 3T, 6 and13T | 62 | 66 | Y | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 7. Monitoring Location G: NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|------------|-----------------------|---|---|---|---|-----------|--|
| 1 | 17/11/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">TamperRegulatorRail grinderBalloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsExcavators 3T, 6 and13T | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 65Excluding the following non-construction related event being identified: 17/11/2024 8:30 65 Traffic HornConstruction related LAeq in period at Monitoring Location is 59 | 64 | Y | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Location A



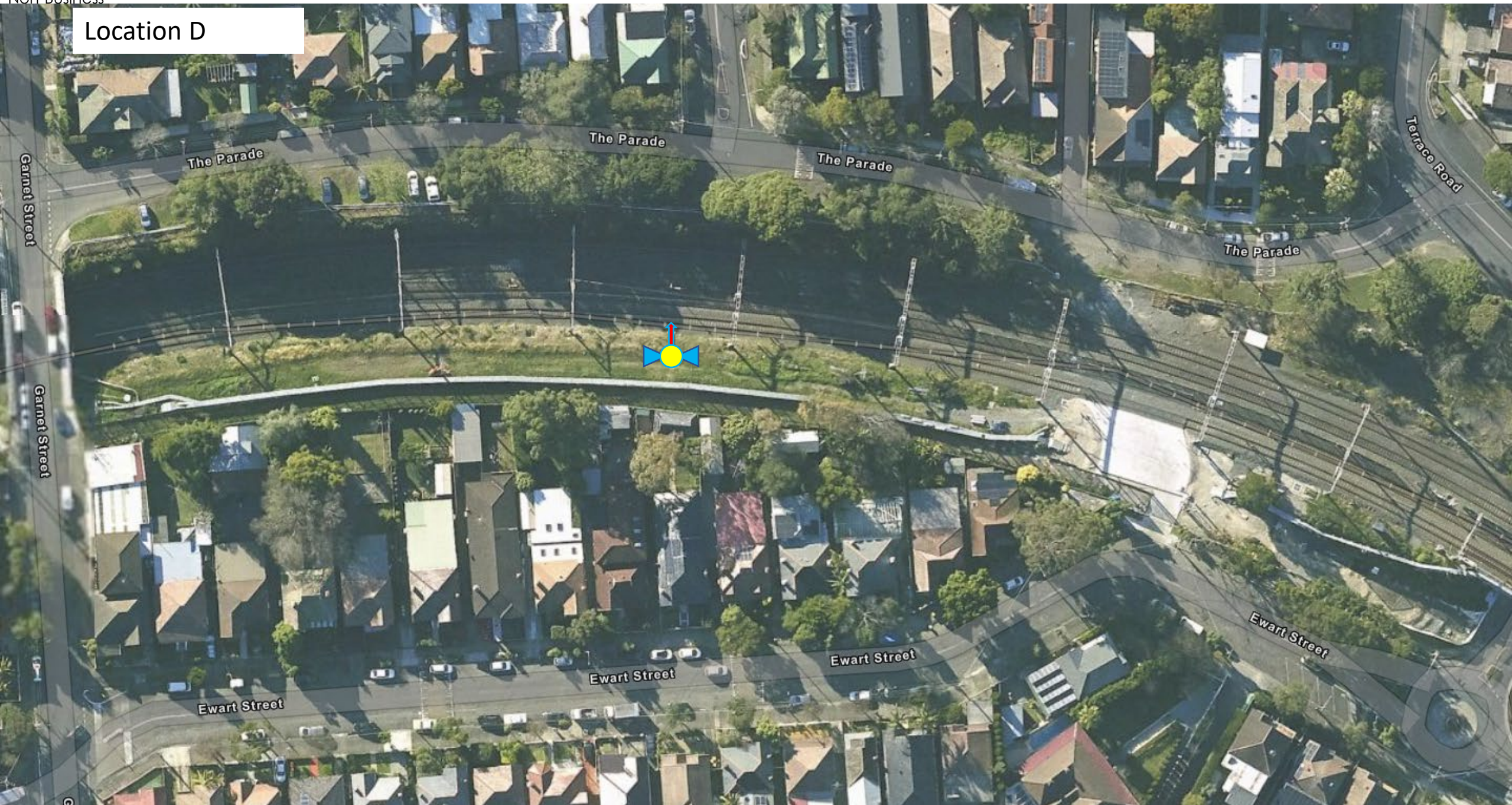
Location B



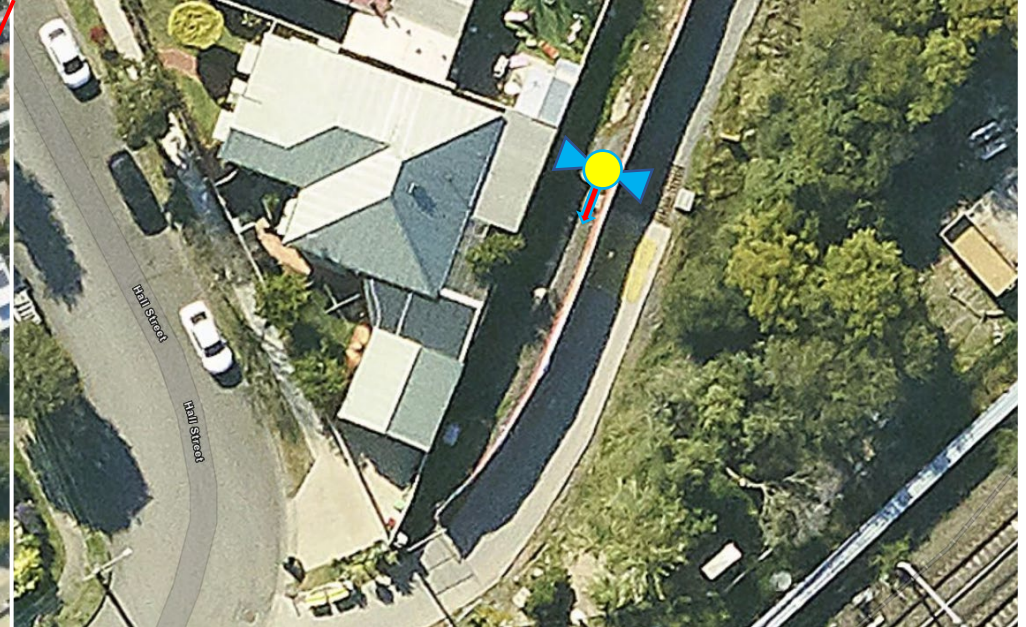
Location C



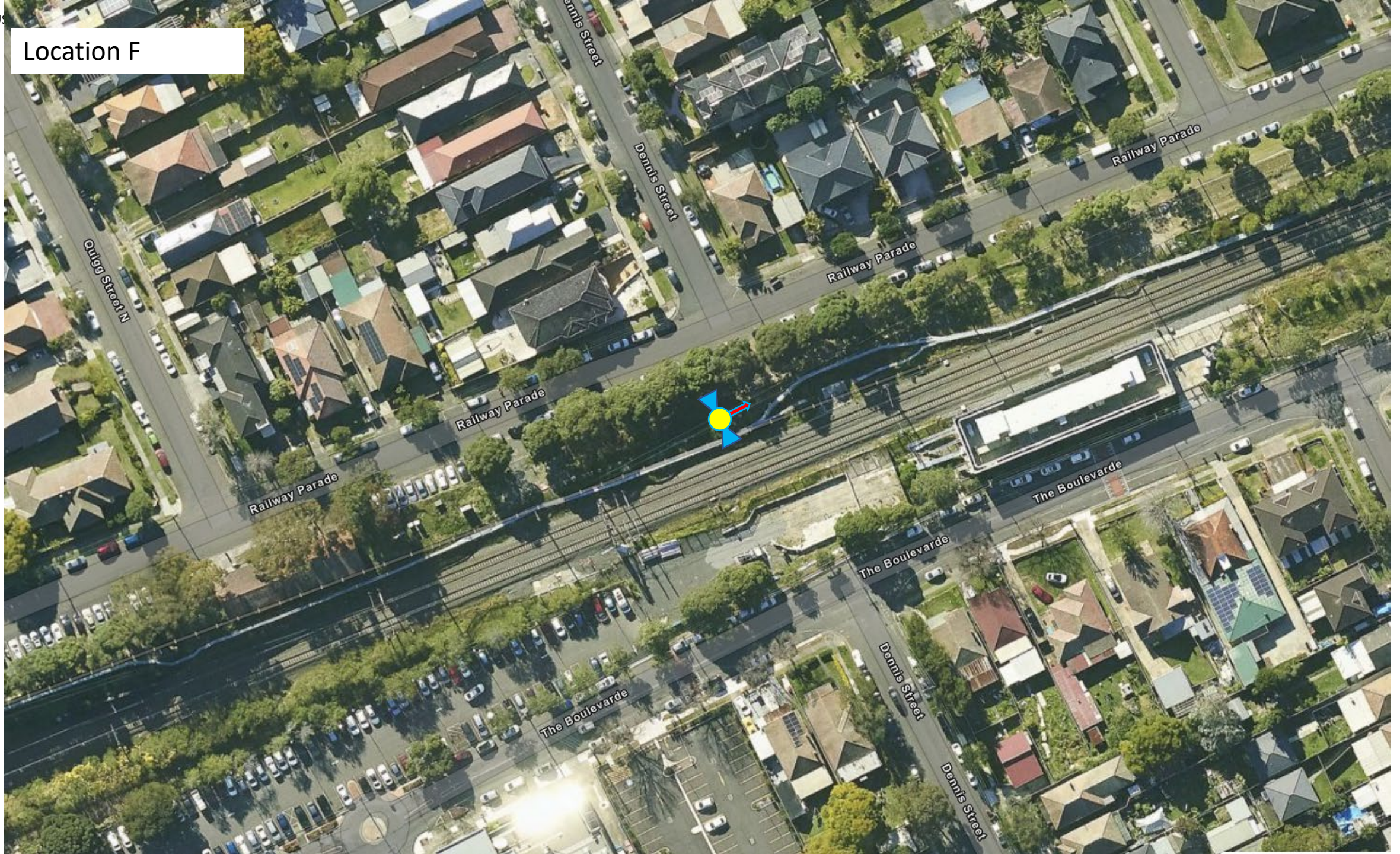
Location D



Location E



Location F



Location G



EPL 21147
R4.4 Validation Report

SWMC Final Conversion Stage-3
(16. Nov. 2024 - 01. Dec. 2024)

Security Fence auguring, Post and Panel/mesh screens; OHW structure installation, OHW cable dropping and pulling; GST Installation; Installation of Brackets at Stations; PSD and MGF installation; Track tamping, Track adjustment, Track grinding, Marrickville track sewer upgrade, Victoria Transom Rail Bridge upgrade, Track side signal equipment demolition; Cabling and Trackside Equipment.

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 |
|----------|------------|-------------------|---------------|----------------|
| 00 | 12/12/2024 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
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Management reviews

| Review date | Details | Reviewed by |
|-------------|---------|-------------|
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|-------------|----|-----------|---------------|-----|

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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 over from 16th November 2024 to 01st December 2024 during the Final Conversion Stage-3 Rail Possession.

The possession extended from Sydenham Station to Bankstown Station on Sydney Train track.

The following activities were carried under condition L5.6 - Local Possessions;

- Security Fence auguring, Post and Panel/mesh screens;
- Segregation fence auguring, Post and Panel/mesh screens
- OHW structure installation,
- OHW cable dropping and pulling;
- HV pole removal;
- GST Installation;
- Installation of Brackets at Stations;
- PSD and MGF installation
- Track tamping,
- Track adjustment,
- Track grinding,
- Marrickville track sewer upgrade,
- Victoria Transom Rail Bridge upgrade,
- Track side signal equipment demolition,
- Cabling and Trackside Equipment.

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

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

- Excavators 3T, 6 and 13T (inc jack hammer, augering and demolition attachments)
- Balloon tyre dump trucks (Hydrema)
- Light vehicles
- Trucks
- Payloader
- Handheld powered tools
- Vac Trucks
- EWP/telehandler
- Front-end loader
- Concrete truck and line pump
- Portable Generators
- Compressors
- Compactor
- Bogie
- Water pumps
- 4T Dumpy

- Site lights
- Mobile crane
- Taper
- Regulator
- Track grinder
- Track thermos-welding kit

2. A copy of the community notification required under Condition L5.12

A copy of the community notification required under Condition L5.12 is appended as **Attachment 2**.

3. Noise monitoring as required by L5.8(d)

Final Conversion Stage-3 (16. Nov. 2024 - 01. Dec. 2024) noise monitoring was carried out at 11 locations on the perimeter of the rail corridor.

All monitoring locations are closer to the source of the noise than the nearest sensitive receiver.

Note: calculation will be done where the noise at monitoring location exceeds the predicted level at the nearest sensitive receiver.

Monitoring locations listed below:

- NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.
 - Noise Monitor is 5.5 m from the source of the noise
 - Sensitive Receiver is 25.5 m from the source of the noise
- NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville
 - Noise Monitor is 2.5 m from the source of the noise
 - Sensitive Receiver is 13 m from the source of the noise
- NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.
 - Noise Monitor is 20 m from the source of the noise
 - Sensitive Receiver is 32 m from the source of the noise
- NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill.
 - Noise Monitor is 6 m from the source of the noise
 - Sensitive Receiver is 18 m from the source of the noise
- NCA 04 - (HEX548) 30m SE of 10-12 Broughton Street, Canterbury.
 - Noise Monitor is 33 m from the source of the noise
 - Sensitive Receiver is 62 m from the source of the noise
- NCA 05 – (HEX631) 18m S from 32-24 Campsie St, Campsie
 - Noise Monitor is 19 m from the source of the noise
 - Sensitive Receiver is 34 m from the source of the noise
- NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.
 - Noise Monitor is 1 m from the source of the noise
 - Sensitive Receiver is 4 m from the source of the noise
- NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.
 - Noise Monitor is 30 m from the source of the noise
 - Sensitive Receiver is 55 m from the source of the noise
- NCA 09 - (HEX646) 50m SE of 17 Alice Street North, Wiley Park.
 - Noise Monitor is 9 m from the source of the noise
 - Sensitive Receiver is 25 m from the source of the noise
- NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.
 - Noise Monitor is 11 m from the source of the noise
 - Sensitive Receiver is 53 m from the source of the noise

- k. NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown.
- Noise Monitor is 13 m from the source of the noise
 - Sensitive Receiver is 128 m from the source of the noise

Refer to **Appendix 1** for noise monitoring results.

4. Details of any exceedances of predicted noise levels;

Noise (LAeq 15min) data was collected at the 11 locations between the 16th of November 2024 to 01st of December 2024, all Out of Hour Works (OOHW) shift has been assessed.

During Final Conversion Stage-3 (16th of November 2024 to 01st of December 2024), there were one (1) exceedances of the noise predictions generated from the JHLORJV construction activity. A detailed *S2B- EPL 21147 - R4.3 Exceedance of the Best Achievable Noise Performance Objectives Report* has been submitted to EPA on Thu 28/11/2024.

5. 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 following noise mitigation measures are implemented:

- Potential source noise controls include mufflers fitted to exhausts, regular maintenance of plant, acoustic enclosure of machinery on plant items, non-tonal reversing alarms fitted to plant.
- General monthly community notification.
- Specific notification to impacted residents were provided no later than 5 days out from start of possession.
- Additional mitigation measures such as Alternative Accommodation and Respite Offers.
- Use of real time noise monitors at targeted work locations. Periodic desk top checks on data collected by the 7 real time monitoring instruments were carried out during work periods.
- Environmental surveillance
- On site mitigation instructions to crews:
 - No music, no dropping of objects
 - No shouting or unnecessary noise
 - Be respectful of neighbors when coming and going from site. As far as possible, avoid congregating near residential property boundaries.
 - Position plant as far from residents as possible and orientate them if possible, to emit noise on non-resident side.
 - Plant to be switched off when not in use.

6. 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 Final Conversion Stage-3 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 L5.6 (Local Possession). 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.

Construction activities occurring within the rail corridor/danger zone can only be safely conducted during a rail possession during the absence of trains.

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 L5.6 & L5.7 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 – Noise Monitoring Results

- Monitoring Result
- Monitoring Location

Table 1. Monitoring Location A: NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|---|---|-----------|--|
| 1 | 18/11/2024 To 19/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered tools | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified:<div>18/11/2024 22:1570ARTC Train</div><div>18/11/2024 23:1563ARTC Train</div><div>18/11/2024 23:3053ARTC Train</div><div>19/11/2024 0:3066ARTC Train</div><div>19/11/2024 1:0065ARTC Train</div><div>19/11/2024 1:1561ARTC Train</div><div>19/11/2024 1:4566ARTC Train</div><div>19/11/2024 4:0064ARTC Train</div><div>19/11/2024 5:4567Animal Activity</div><div>19/11/2024 6:0065ARTC Train</div>Construction related LAeq in period at Monitoring Location is 65Due to the monitoring location being 5.5 m from the source of the noise and sensitive receiver being 25.5 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52. | 52 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (52 dBA) is equal to the predicted level (52 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 19/11/2024 To 20/11/2024 | | | <ul style="list-style-type: none">Vac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div>19/11/2024 22:1562ARTC Train</div><div>19/11/2024 22:3066ARTC Train</div><div>19/11/2024 22:4562Aircraft</div><div>19/11/2024 23:0063ARTC Train</div><div>19/11/2024 23:3067ARTC Train</div><div>20/11/2024 0:1559ARTC Train</div><div>20/11/2024 0:3065ARTC Train</div><div>20/11/2024 0:4567ARTC Train</div><div>20/11/2024 1:0067ARTC Train</div><div>20/11/2024 1:4558ARTC Train</div><div>20/11/2024 2:0066ARTC Train</div><div>20/11/2024 2:1566ARTC Train</div><div>20/11/2024 3:4564ARTC Train</div><div>20/11/2024 4:1562ARTC Train</div><div>20/11/2024 5:0064ARTC Train</div><div>20/11/2024 5:4566ARTC Train</div><div>20/11/2024 6:0063ARTC Train</div><div>20/11/2024 6:3066ARTC Train</div><div>20/11/2024 6:4560Aircraft</div>Construction related LAeq in period at Monitoring Location is 61Due to the monitoring location being 5.5 m from the source of the noise and sensitive receiver being 25.5 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 48. | 52 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (48 dBA) is below the predicted level (52 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 2. Monitoring Location B: NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|----------------------|---|---|-----------|---|
| 1 | 18/11/2024 To 19/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Excluding the following non-construction related event being identified:<div>18/11/2024 22:15 57 ARTC Train</div><div>18/11/2024 22:30 64 ARTC Train</div><div>19/11/2024 0:30 60 ARTC Train</div><div>19/11/2024 1:00 61 ARTC Train</div><div>19/11/2024 1:15 61 ARTC Train</div><div>19/11/2024 1:45 56 ARTC Train</div><div>19/11/2024 5:45 59 ARTC Train</div><div>19/11/2024 6:00 57 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 62Due to the monitoring location being 2.5 m from the source of the noise and sensitive receiver being 13 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 48. | 59 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period is below the predicted level.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 19/11/2024 To 20/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified:<div>19/11/2024 22:15 69 ARTC Train</div><div>19/11/2024 22:30 56 ARTC Train</div><div>19/11/2024 22:45 57 Aircraft</div><div>19/11/2024 23:30 63 ARTC Train</div><div>20/11/2024 0:30 62 ARTC Train</div><div>20/11/2024 1:00 57 ARTC Train</div><div>20/11/2024 2:00 58 ARTC Train</div><div>20/11/2024 2:15 57 ARTC Train</div><div>20/11/2024 2:30 59 ARTC Train</div><div>20/11/2024 5:45 58 ARTC Train</div><div>20/11/2024 6:15 58 ARTC Train</div><div>20/11/2024 6:45 57 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 66Due to the monitoring location being 2.5 m from the source of the noise and sensitive receiver being 13 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52. | 59 | Y | |
| 3 | 20/11/2024 To 21/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<div>20/11/2024 22:15 69 ARTC Train</div><div>20/11/2024 22:30 55 Aircraft</div><div>20/11/2024 22:45 62 Aircraft</div><div>20/11/2024 23:15 56 ARTC Train</div><div>21/11/2024 0:30 64 ARTC Train</div><div>21/11/2024 0:45 65 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 60Due to the monitoring location being 2.5 m from the source of the noise and sensitive receiver being 13 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 46. | 55 | Y | |
| 4 | 21/11/2024 To 22/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Excluding the following non-construction related event being identified:<div>21/11/2024 22:30 63 ARTC Train</div><div>22/11/2024 0:30 64 ARTC Train</div><div>22/11/2024 1:00 60 ARTC Train</div><div>22/11/2024 1:45 60 ARTC Train</div><div>22/11/2024 2:45 55 ARTC Train</div><div>22/11/2024 4:30 62 ARTC Train</div><div>22/11/2024 5:45 58 ARTC Train</div><div>22/11/2024 6:30 58 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 58Due to the monitoring location being 2.5 m from the source of the noise and sensitive receiver being 13 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 44. | 55 | Y | |
| 5 | 22/11/2024 To 23/11/2024 | | | | 61 | 64 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 24/11/2024 | Day 08:00 to 18:00 | | | An Exceedance has been reported during shift. A detailed S2B- EPL 21147 - R4.3 Exceedance of the Best Achievable Noise Performance Objectives Report has been submitted on Thu 28/11/2024. | | | |
| 7 | 25/11/2024 To 26/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 69 | 69 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value matching or below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 26/11/2024 To 27/11/2024 | | | | 69 | 66 | Y | |
| 9 | 01/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div>1/12/2024 7:15 63 ARTC Train</div><div>1/12/2024 9:15 62 Aircraft</div><div>1/12/2024 9:45 62 Aircraft</div><div>1/12/2024 10:00 60 Aircraft</div><div>1/12/2024 13:45 61 ARTC Train</div><div>1/12/2024 14:45 71 Thunderstorm</div><div>1/12/2024 16:00 61 Aircraft</div><div>1/12/2024 19:00 64 Aircraft</div><div>1/12/2024 19:15 63 Aircraft</div><div>1/12/2024 20:15 62 Aircraft</div><div>1/12/2024 20:30 64 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 60 | 62 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 3. Monitoring Location C: NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|---|---|-----------|---|
| 1 | 17/11/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | 70 | 71 | Y | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 18/11/2024 To 19/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 54 | 57 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 19/11/2024 To 20/11/2024 | | | | 57 | 57 | Y | |
| 4 | 20/11/2024 To 21/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 61Excluding the following non-construction related event being identified:<div>20/11/2024 22:45 60 Aircraft</div>21/11/2024 6:45 61 Animal ActivityConstruction related LAeq in period at Monitoring Location is 57 | 57 | Y | |
| 5 | 21/11/2024 To 22/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Excluding the following non-construction related event being identified:<div>21/11/2024 22:30 59 Aircraft</div>22/11/2024 0:30 64 ARTC TrainConstruction related LAeq in period at Monitoring Location is 55 | 57 | Y | |
| 6 | 23/11/2024 To 24/11/2024 | | | | 57 | 68 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 24/11/2024 | Day 08:00 to 18:00 | | | 60 | 68 | Y | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 24/11/2024 To 25/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 61 | 68 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 9 | 25/11/2024 To 26/11/2024 | | | | 60 | 68 | Y | |
| 10 | 26/11/2024 To 27/11/2024 | | | | 58 | 68 | Y | |
| 11 | 01/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified:<div>1/12/2024 14:30 63 Thunder Storm</div>1/12/2024 14:45 72 Thunder Storm1/12/2024 19:00 62 AircraftConstruction related LAeq in period at Monitoring Location is 60 | 62 | Y | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Dayshift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 4. Monitoring Location D: NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------------|--|---|--|--|---|-----------|--|
| 1 | 17/11/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<div><div>17/11/2024 7:3070ARTC Train</div><div>17/11/2024 7:4557Aircraft & Animal Activity</div><div>17/11/2024 8:0064ARTC Train</div><div>17/11/2024 8:3065ARTC Train</div><div>17/11/2024 9:3064ARTC Train</div><div>17/11/2024 9:4571Aircraft & Animal Activity</div><div>17/11/2024 10:0068Aircraft & Animal Activity</div><div>17/11/2024 11:0064Aircraft</div><div>17/11/2024 11:4569ARTC Train</div><div>17/11/2024 12:3068Aircraft</div><div>17/11/2024 12:4569Aircraft</div><div>17/11/2024 13:3073ARTC Train</div><div>17/11/2024 14:3058ARTC Train</div><div>17/11/2024 18:3068ARTC Train</div><div>17/11/2024 19:4569ARTC Train</div><div>17/11/2024 20:0067ARTC Train</div><div>17/11/2024 20:4562Thunderstorm</div><div>17/11/2024 21:0061Thunderstorm</div><div>17/11/2024 21:3065ARTC Train</div><div>17/11/2024 21:4567Aircraft</div></div>Construction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 57. | 62 | Y | <ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (57 dBA) is lower than the predicted level (62 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 18/11/2024 To 19/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<div><div>18/11/2024 22:1566ARTC Train</div><div>18/11/2024 22:3065ARTC Train</div><div>18/11/2024 23:1569ARTC Train</div><div>18/11/2024 23:3059ARTC Train</div><div>18/11/2024 23:4561ARTC Train</div><div>19/11/2024 0:0064ARTC Train</div><div>19/11/2024 0:4573ARTC Train</div><div>19/11/2024 1:0069ARTC Train</div><div>19/11/2024 1:1569ARTC Train</div><div>19/11/2024 1:4564ARTC Train</div><div>19/11/2024 3:1569ARTC Train</div><div>19/11/2024 4:0063ARTC Train</div><div>19/11/2024 5:3068ARTC Train</div><div>19/11/2024 6:0066ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 61Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 51. | 60 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (51 dBA) is lower than the predicted level (60 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 19/11/2024 To 20/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 77Excluding the following non-construction related event being identified:<div><div>19/11/2024 22:1563ARTC Train</div><div>19/11/2024 22:3064ARTC Train</div><div>19/11/2024 22:4559Aircraft</div><div>19/11/2024 23:0070ARTC Train</div><div>19/11/2024 23:1570ARTC Train</div><div>20/11/2024 0:0059ARTC Train</div><div>20/11/2024 0:3067ARTC Train</div><div>20/11/2024 0:4571ARTC Train</div><div>20/11/2024 1:1572ARTC Train</div><div>20/11/2024 1:4556ARTC Train</div><div>20/11/2024 2:0070ARTC Train</div><div>20/11/2024 2:3069ARTC Train</div><div>20/11/2024 3:4566ARTC Train</div><div>20/11/2024 4:1566ARTC Train</div><div>20/11/2024 4:4569ARTC Train</div><div>20/11/2024 5:4567ARTC Train</div><div>20/11/2024 6:1563ARTC Train</div><div>20/11/2024 6:3069ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 57. | 60 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (57 dBA) is lower than the predicted level (60 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--------------------|-------------------------|----------------------|---|---|-----------|--|
| 4 | 20/11/2024 To 21/11/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>20/11/2024 22:1563ARTC Train</div><div>20/11/2024 22:4560Aircraft</div><div>20/11/2024 23:1565ARTC Train</div><div>21/11/2024 0:0069ARTC Train</div><div>21/11/2024 0:1564ARTC Train</div><div>21/11/2024 0:3065ARTC Train</div><div>21/11/2024 0:4569ARTC Train</div><div>21/11/2024 1:0070ARTC Train</div><div>21/11/2024 1:1571ARTC Train</div><div>21/11/2024 2:0066ARTC Train</div><div>21/11/2024 2:1566ARTC Train</div><div>21/11/2024 2:3070ARTC Train</div><div>21/11/2024 4:0068ARTC Train</div><div>21/11/2024 4:3071ARTC Train</div><div>21/11/2024 5:0063ARTC Train</div><div>21/11/2024 6:0069ARTC Train</div><div>21/11/2024 6:1570ARTC Train</div><div>21/11/2024 6:3067ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 53. | 60 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (53 dBA) is lower than the predicted level (60 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 21/11/2024 To 22/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified:<div><div>21/11/2024 22:3065Aircraft</div><div>21/11/2024 23:0064ARTC Train</div><div>21/11/2024 23:4569ARTC Train</div><div>22/11/2024 0:3072ARTC Train</div><div>22/11/2024 0:4567ARTC Train</div><div>22/11/2024 1:0069ARTC Train</div><div>22/11/2024 1:4570ARTC Train</div><div>22/11/2024 2:1568ARTC Train</div><div>22/11/2024 2:4564ARTC Train</div><div>22/11/2024 3:3062ARTC Train</div><div>22/11/2024 4:0064ARTC Train</div><div>22/11/2024 4:3069ARTC Train</div><div>22/11/2024 5:3070ARTC Train</div><div>22/11/2024 6:3067ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 66Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 56. | 60 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (56 dBA) is lower than the predicted level (60 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 23/11/2024 To 24/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>23/11/2024 22:4559Aircraft</div><div>23/11/2024 23:1563ARTC Train</div><div>24/11/2024 0:1568ARTC Train</div><div>24/11/2024 1:0069ARTC Train</div><div>24/11/2024 1:4564ARTC Train</div><div>24/11/2024 4:0071ARTC Train</div><div>24/11/2024 4:1564ARTC Train</div><div>24/11/2024 5:4570ARTC Train</div><div>24/11/2024 6:0067ARTC Train</div><div>24/11/2024 6:4569ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 56 | 69 | Y | <ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 24/11/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 74Excluding the following non-construction related event being identified:<div><div>24/11/2024 7:3070ARTC Train</div><div>24/11/2024 8:0073Animal Activity</div><div>24/11/2024 8:4565ARTC Train</div><div>24/11/2024 9:0055ARTC Train</div><div>24/11/2024 9:3061ARTC Train</div><div>24/11/2024 9:4562Aircraft</div><div>24/11/2024 10:0061ARTC Train</div><div>24/11/2024 10:4558ARTC Train</div><div>24/11/2024 11:0064Aircraft</div><div>24/11/2024 11:3061Aircraft</div><div>24/11/2024 11:4559ARTC Train</div><div>24/11/2024 12:0069ARTC Train</div><div>24/11/2024 12:1574ARTC Train</div><div>24/11/2024 12:4566ARTC Train</div><div>24/11/2024 13:0071ARTC Train</div><div>24/11/2024 13:4570ARTC Train</div><div>24/11/2024 14:0061ARTC Train</div><div>24/11/2024 19:0063ARTC Train</div><div>24/11/2024 19:1567Aircraft</div><div>24/11/2024 19:3068ARTC Train</div><div>24/11/2024 19:4568ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 68 | 68 | Y | <ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value related to construction matched the predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|-------------------------|----------------------|--|---|-----------|---|
| 8 | 24/11/2024 To 25/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>24/11/2024 22:1565ARTC Train</div><div>24/11/2024 22:4568Aircraft</div><div>24/11/2024 23:0067ARTC Train</div><div>25/11/2024 0:1563ARTC Train</div><div>25/11/2024 0:4566ARTC Train</div><div>25/11/2024 1:0068ARTC Train</div><div>25/11/2024 1:1570ARTC Train</div><div>25/11/2024 2:0068ARTC Train</div><div>25/11/2024 2:4570ARTC Train</div><div>25/11/2024 3:0061ARTC Train</div><div>25/11/2024 5:1569ARTC Train</div><div>25/11/2024 5:4569ARTC Train</div><div>25/11/2024 6:1568ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 71Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 61. | 69 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (61 dBA) is lower than the predicted level (69 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 9 | 25/11/2024 To 26/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified:<div><div>25/11/2024 22:1564ARTC Train</div><div>25/11/2024 22:3064ARTC Train</div><div>25/11/2024 22:4569ARTC Train</div><div>25/11/2024 23:0071ARTC Train</div><div>25/11/2024 23:4569ARTC Train</div><div>26/11/2024 0:1567ARTC Train</div><div>26/11/2024 0:4569ARTC Train</div><div>26/11/2024 1:1563ARTC Train</div><div>26/11/2024 1:4572ARTC Train</div><div>26/11/2024 2:0066ARTC Train</div><div>26/11/2024 2:3068ARTC Train</div><div>26/11/2024 4:1570ARTC Train</div><div>26/11/2024 4:3063ARTC Train</div><div>26/11/2024 6:0071ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 69Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 59. | 68 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (59 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 10 | 26/11/2024 To 27/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>26/11/2024 22:1567ARTC Train</div><div>26/11/2024 23:1566ARTC Train</div><div>27/11/2024 0:0071ARTC Train</div><div>27/11/2024 0:4572ARTC Train</div><div>27/11/2024 1:1563ARTC Train</div><div>27/11/2024 1:4572ARTC Train</div><div>27/11/2024 2:0070ARTC Train</div><div>27/11/2024 2:1564ARTC Train</div><div>27/11/2024 3:1561ARTC Train</div><div>27/11/2024 4:1564ARTC Train</div><div>27/11/2024 5:3069ARTC Train</div><div>27/11/2024 6:0070ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 70Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 60. | 68 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (60 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 5. Monitoring Location E: NCA 04 - (HEX548) 30m SE of 10-12 Broughton Street, Canterbury

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------------|--|---|--|---|---|-----------|---|
| 1 | 17/11/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<div><div>17/11/2024 7:3066ARTC Train</div><div>17/11/2024 8:0065ARTC Train</div><div>17/11/2024 8:3073ARTC Train</div><div>17/11/2024 9:3065ARTC Train</div><div>17/11/2024 9:4573ARTC Train</div><div>17/11/2024 11:0068ARTC Train</div><div>17/11/2024 11:4565ARTC Train</div><div>17/11/2024 12:3066ARTC Train</div><div>17/11/2024 13:3069ARTC Train</div><div>17/11/2024 13:4564ARTC Train</div><div>17/11/2024 17:3062ARTC Train</div><div>17/11/2024 18:1569ARTC Train</div><div>17/11/2024 18:3061ARTC Train</div><div>17/11/2024 19:3064ARTC Train</div><div>17/11/2024 19:4566ARTC Train</div><div>17/11/2024 20:0062Thunderstorm</div></div>Construction related LAeq in period at Monitoring Location is 69 | 72 | Y | <ul style="list-style-type: none">RBL: 40 dBANoise monitor detect highest LAeq15min value related to construction below the predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 18/11/2024 To 19/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<div><div>18/11/2024 22:1567ARTC Train</div><div>18/11/2024 22:3061ARTC Train</div><div>18/11/2024 23:0063ARTC Train</div><div>18/11/2024 23:3055ARTC Train</div><div>18/11/2024 23:4562ARTC Train</div><div>19/11/2024 0:0068ARTC Train</div><div>19/11/2024 0:4573ARTC Train</div><div>19/11/2024 1:1566ARTC Train</div><div>19/11/2024 1:3062ARTC Train</div><div>19/11/2024 1:4562ARTC Train</div><div>19/11/2024 3:1566ARTC Train</div><div>19/11/2024 4:0060ARTC Train</div><div>19/11/2024 5:3064ARTC Train</div><div>19/11/2024 6:0062ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 57 | 60 | Y | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 19/11/2024 To 20/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<div><div>19/11/2024 22:1560ARTC Train</div><div>19/11/2024 22:3062ARTC Train</div><div>19/11/2024 23:0065ARTC Train</div><div>19/11/2024 23:1568ARTC Train</div><div>19/11/2024 23:3066ARTC Train</div><div>20/11/2024 0:0062ARTC Train</div><div>20/11/2024 0:1557ARTC Train</div><div>20/11/2024 0:4569ARTC Train</div><div>20/11/2024 1:0063ARTC Train</div><div>20/11/2024 1:1568ARTC Train</div><div>20/11/2024 2:0068ARTC Train</div><div>20/11/2024 2:3069ARTC Train</div><div>20/11/2024 3:4562ARTC Train</div><div>20/11/2024 4:4566ARTC Train</div><div>20/11/2024 5:4564ARTC Train</div><div>20/11/2024 6:1564ARTC Train</div><div>20/11/2024 6:3069ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 59 | 60 | Y | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 20/11/2024 To 21/11/2024 | | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>20/11/2024 22:1560ARTC Train</div><div>20/11/2024 22:3064ARTC Train</div><div>20/11/2024 23:1567ARTC Train</div><div>21/11/2024 0:0066ARTC Train</div><div>21/11/2024 0:1561ARTC Train</div><div>21/11/2024 0:3065ARTC Train</div><div>21/11/2024 0:4568ARTC Train</div><div>21/11/2024 1:0069ARTC Train</div><div>21/11/2024 1:1567ARTC Train</div><div>21/11/2024 2:0064ARTC Train</div><div>21/11/2024 2:1566ARTC Train</div><div>21/11/2024 2:3071ARTC Train</div><div>21/11/2024 2:4565ARTC Train</div><div>21/11/2024 4:0064ARTC Train</div><div>21/11/2024 4:3070ARTC Train</div><div>21/11/2024 5:0057ARTC Train</div><div>21/11/2024 6:0065ARTC Train</div><div>21/11/2024 6:3063ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 33 m from the source of the noise and sensitive receiver being 62 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58. | 60 | Y |

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--------|-------------------------|----------------------|--|---|-----------|--|
| 5 | 30/11/2024 To 01/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 75Excluding the following non-construction related event being identified:<div><div>30/11/2024 22:4559ARTC Train</div><div>1/12/2024 0:0068ARTC Train</div><div>1/12/2024 0:1571ARTC Train</div><div>1/12/2024 0:4565ARTC Train</div><div>1/12/2024 1:0065ARTC Train</div><div>1/12/2024 1:3068ARTC Train</div><div>1/12/2024 2:1575ARTC Train</div><div>1/12/2024 3:4564ARTC Train</div><div>1/12/2024 4:1564ARTC Train</div><div>1/12/2024 4:3064ARTC Train</div><div>1/12/2024 5:1555ARTC Train</div><div>1/12/2024 5:3060ARTC Train</div><div>1/12/2024 6:0065ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 53Due to the monitoring location being 33 m from the source of the noise and sensitive receiver being 62 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 48. | 52 | Y | <ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (48 dBA) is lower than the predicted level (52 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 6 | 01/12/2024 To 02/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 74Excluding the following non-construction related event being identified:<div><div>1/12/2024 22:1558ARTC Train</div><div>1/12/2024 22:4563ARTC Train</div><div>1/12/2024 23:0066ARTC Train</div><div>1/12/2024 23:1561ARTC Train</div><div>1/12/2024 23:3059ARTC Train</div><div>1/12/2024 23:4565ARTC Train</div><div>2/12/2024 0:1559ARTC Train</div><div>2/12/2024 0:3063ARTC Train</div><div>2/12/2024 0:4567ARTC Train</div><div>2/12/2024 1:0071ARTC Train</div><div>2/12/2024 1:4562ARTC Train</div><div>2/12/2024 2:0065ARTC Train</div><div>2/12/2024 2:1570ARTC Train</div><div>2/12/2024 2:4559ARTC Train</div><div>2/12/2024 4:3065ARTC Train</div><div>2/12/2024 5:4564ARTC Train</div><div>2/12/2024 6:0074ARTC Train</div><div>2/12/2024 6:1568ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 57Due to the monitoring location being 33 m from the source of the noise and sensitive receiver being 62 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52. | 52 | Y | <ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (52 dBA) matched the predicted level (52 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 6. Monitoring Location F: NCA 06 – (HEX631) 18m S from 32-24 Campsie St, Campsie

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|---|---|-----------|---|
| 1 | 18/11/2024 To 19/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Excluding the following non-construction related event being identified:<div><div>18/11/2024 22:1556ARTC Train</div><div>18/11/2024 22:3054ARTC Train</div><div>18/11/2024 22:4555ARTC Train</div><div>18/11/2024 23:0064ARTC Train</div><div>18/11/2024 23:3057ARTC Train</div><div>18/11/2024 23:4553ARTC Train</div><div>19/11/2024 0:4568ARTC Train</div><div>19/11/2024 1:1561ARTC Train</div><div>19/11/2024 1:3055ARTC Train</div><div>19/11/2024 1:4555ARTC Train</div><div>19/11/2024 3:1564ARTC Train</div><div>19/11/2024 4:0057ARTC Train</div><div>19/11/2024 5:3063ARTC Train</div><div>19/11/2024 6:0061ARTC Train</div></div> | 61 | Y | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction matched the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 19/11/2024 To 20/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div><div>19/11/2024 22:1559ARTC Train</div><div>19/11/2024 22:3059ARTC Train</div><div>19/11/2024 22:4561ARTC Train</div><div>19/11/2024 23:1567ARTC Train</div><div>19/11/2024 23:4558ARTC Train</div><div>20/11/2024 0:0054ARTC Train</div><div>20/11/2024 0:1554ARTC Train</div><div>20/11/2024 0:3059ARTC Train</div><div>20/11/2024 0:4562ARTC Train</div><div>20/11/2024 1:0064ARTC Train</div><div>20/11/2024 1:1564ARTC Train</div><div>20/11/2024 2:0065ARTC Train</div><div>20/11/2024 2:3061ARTC Train</div><div>20/11/2024 3:3062ARTC Train</div><div>20/11/2024 4:1558ARTC Train</div><div>20/11/2024 4:4559ARTC Train</div><div>20/11/2024 5:4567ARTC Train</div><div>20/11/2024 6:1559ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 34 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58. | 61 | Y | <ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (58 dBA) matched the predicted level (61 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 20/11/2024 To 21/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div><div>20/11/2024 22:1559ARTC Train</div><div>20/11/2024 23:1558ARTC Train</div><div>21/11/2024 0:0062ARTC Train</div><div>21/11/2024 0:1553ARTC Train</div><div>21/11/2024 0:3060ARTC Train</div><div>21/11/2024 0:4566ARTC Train</div><div>21/11/2024 1:0062ARTC Train</div><div>21/11/2024 2:0056ARTC Train</div><div>21/11/2024 2:3065ARTC Train</div><div>21/11/2024 4:0063ARTC Train</div><div>21/11/2024 4:3069ARTC Train</div><div>21/11/2024 5:0051ARTC Train</div><div>21/11/2024 6:0067ARTC Train</div><div>21/11/2024 6:3062ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 34 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58. | 61 | Y | <ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (58 dBA) matched the predicted level (61 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 21/11/2024 To 22/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div><div>21/11/2024 22:1560ARTC Train</div><div>21/11/2024 22:4558ARTC Train</div><div>21/11/2024 23:0065ARTC Train</div><div>21/11/2024 23:3063ARTC Train</div><div>22/11/2024 0:1566ARTC Train</div><div>22/11/2024 0:4563ARTC Train</div><div>22/11/2024 1:4565ARTC Train</div><div>22/11/2024 2:1561ARTC Train</div><div>22/11/2024 3:0063ARTC Train</div><div>22/11/2024 4:0059ARTC Train</div><div>22/11/2024 4:3065ARTC Train</div><div>22/11/2024 5:3061ARTC Train</div><div>22/11/2024 5:4567ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 65Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 34 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 60. | 61 | Y | <ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (60 dBA) matched the predicted level (61 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|-----------------------|-------------------------|----------------------|---|---|-----------|--|
| 5 | 22/11/2024 To 23/11/2024 | Day 08:00 to 18:00 | | | 72 | 75 | Y | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 27/11/2024 To 28/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified:<div><div>27/11/2024 23:0059ARTC Train</div><div>27/11/2024 23:3057ARTC Train</div><div>28/11/2024 0:0060ARTC Train</div><div>28/11/2024 0:1560ARTC Train</div><div>28/11/2024 1:0066ARTC Train</div><div>28/11/2024 1:3067ARTC Train</div><div>28/11/2024 1:4559ARTC Train</div><div>28/11/2024 2:1559ARTC Train</div><div>28/11/2024 2:3066ARTC Train</div><div>28/11/2024 2:4559ARTC Train</div><div>28/11/2024 3:4568ARTC Train</div><div>28/11/2024 4:1561ARTC Train</div><div>28/11/2024 5:4558ARTC Train</div><div>28/11/2024 6:3060ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 59 | 59 | Y | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction matched the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 7 | 28/11/2024 To 29/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>28/11/2024 22:1558ARTC Train</div><div>28/11/2024 22:4559ARTC Train</div><div>28/11/2024 23:1559ARTC Train</div><div>28/11/2024 23:4563ARTC Train</div><div>29/11/2024 0:0060ARTC Train</div><div>29/11/2024 0:4555ARTC Train</div><div>29/11/2024 1:0071ARTC Train</div><div>29/11/2024 1:1554ARTC Train</div><div>29/11/2024 1:4565ARTC Train</div><div>29/11/2024 2:0061ARTC Train</div><div>29/11/2024 4:1561ARTC Train</div><div>29/11/2024 4:4567ARTC Train</div><div>29/11/2024 5:0061ARTC Train</div><div>29/11/2024 5:4565ARTC Train</div><div>29/11/2024 6:0057ARTC Train</div><div>29/11/2024 6:4561ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 53 | 55 | Y | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 30/11/2024 To 01/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div><div>30/11/2024 22:4555ARTC Train</div><div>30/11/2024 23:4560ARTC Train</div><div>1/12/2024 0:1566ARTC Train</div><div>1/12/2024 0:4563ARTC Train</div><div>1/12/2024 1:3059ARTC Train</div><div>1/12/2024 2:0058ARTC Train</div><div>1/12/2024 2:1567ARTC Train</div><div>1/12/2024 3:4563ARTC Train</div><div>1/12/2024 4:1561ARTC Train</div><div>1/12/2024 4:3055ARTC Train</div><div>1/12/2024 5:3058ARTC Train</div><div>1/12/2024 6:0065ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 60Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 34 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 55. | 58 | Y | <ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (55 dBA) matched the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 9 | 01/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>28/11/2024 22:1558ARTC Train</div><div>28/11/2024 22:4559ARTC Train</div><div>28/11/2024 23:1559ARTC Train</div><div>28/11/2024 23:4563ARTC Train</div><div>29/11/2024 0:0060ARTC Train</div><div>29/11/2024 0:4555ARTC Train</div><div>29/11/2024 1:0071ARTC Train</div><div>29/11/2024 1:1554ARTC Train</div><div>29/11/2024 1:4565ARTC Train</div><div>29/11/2024 2:0061ARTC Train</div><div>29/11/2024 4:1561ARTC Train</div><div>29/11/2024 4:4567ARTC Train</div><div>29/11/2024 5:0061ARTC Train</div><div>29/11/2024 5:4565ARTC Train</div><div>29/11/2024 6:0057ARTC Train</div><div>29/11/2024 6:4561ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 47 | 66 | Y | <ul style="list-style-type: none">RBL: 45 dBANoise monitor detect highest LAeq15min value related to construction matched the predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 7. Monitoring Location G: NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|---|---|-----------|---|
| 1 | 17/11/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane | 66 | 67 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 17/11/2024 To 18/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 61 | 66 | Y | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value matched or below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 18/11/2024 To 19/11/2024 | | | | 67 | 67 | Y | |
| 4 | 19/11/2024 To 20/11/2024 | | | | 59 | 70 | Y | |
| 5 | 20/11/2024 To 21/11/2024 | | | | 53 | 70 | Y | |
| 6 | 21/11/2024 To 22/11/2024 | | | | 63 | 70 | Y | |
| 7 | 22/11/2024 To 23/11/2024 | | | | 61 | 66 | Y | |
| 8 | 26/11/2024 To 27/11/2024 | | | | 58 | 69 | Y | |
| 9 | 27/11/2024 To 28/11/2024 | | | | 65 | 69 | Y | |
| 10 | 28/11/2024 To 29/11/2024 | | | | 53 | 69 | Y | |
| 11 | 01/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified: 1/12/2024 14:45 73.084 ThunderstormConstruction related LAeq in period at Monitoring Location is 65 | 69 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period (65 dBA) matched the predicted level (69 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 8. Monitoring Location H: NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|---|---|---|-----------|--|
| 1 | 17/11/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane | 65 | 66 | Y | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 17/11/2024 To 18/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 57 | 71 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 18/11/2024 To 19/11/2024 | | | | 66 | 71 | Y | |
| 4 | 19/11/2024 To 20/11/2024 | | | | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 55Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 50. | 52 | Y | |
| 5 | 20/11/2024 To 21/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 53Excluding the following non-construction related event being identified: 21/11/2024 3:45 53 Resident Light VehicleConstruction related LAeq in period at Monitoring Location is 52 | 52 | Y | |
| 6 | 21/11/2024 To 22/11/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 53Excluding the following non-construction related event being identified: 21/11/2024 22:45 53 Resident Light Vehicle 22/11/2024 5:45 52 Animal Activity 22/11/2024 6:00 52 Animal Activity 22/11/2024 6:15 53 Animal ActivityConstruction related LAeq in period at Monitoring Location is 51 | 52 | Y | |
| 7 | 23/11/2024 To 24/11/2024 | | | | 52 | 59 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 8 | 24/11/2024 | Day 08:00 to 18:00 | | | 57 | 60 | Y | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 9 | 24/11/2024 To 25/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 54 | 59 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 10 | 26/11/2024 To 27/11/2024 | | | | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 57Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52. | 56 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 11 | 27/11/2024 To 28/11/2024 | | | | 56 | 56 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 12 | 28/11/2024 To 29/11/2024 | | | | 52 | 55 | Y | |
| 13 | 01/12/2024 | Day 08:00 to 18:00 | | | 68 | 74 | Y | <ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 9. Monitoring Location I: NCA 09 - (HEX646) 50m SE of 17 Alice Street North, Wiley Park.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|---|---|-----------|---|
| 1 | 25/11/2024 To 26/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 59Due to the monitoring location being 9 m from the source of the noise and sensitive receiver being 25 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 47. | 58 | Y | <ul style="list-style-type: none">RBL: 36 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 26/11/2024 To 27/11/2024 | | | | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 9 m from the source of the noise and sensitive receiver being 25 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54. | 58 | Y | |
| 3 | 27/11/2024 To 28/11/2024 | | | | 58 | 58 | Y | <ul style="list-style-type: none">RBL: 36 dBANoise monitor detect highest LAeq15min value matched the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

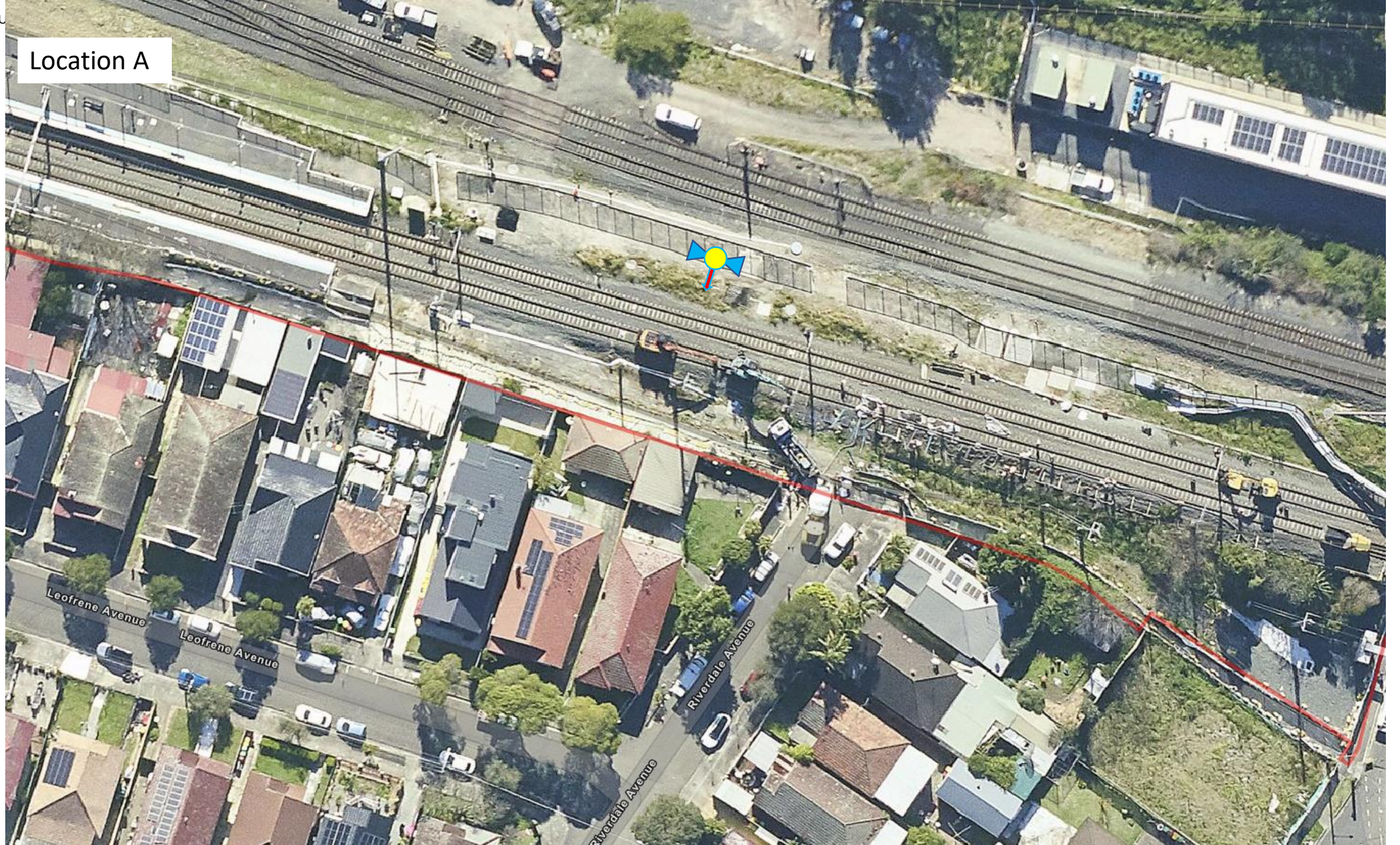
Table 10. Monitoring Location J: NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------------|--|---|--|--|---|-----------|--|
| 1 | 17/11/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 65Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 49. | 64 | Y | <ul style="list-style-type: none">RBL: 47 dBAThe calculated construction related highest LAeq in work period below the predicted level.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 17/11/2024 To 18/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | 60 | 69 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 18/11/2024 To 19/11/2024 | | | | 56 | 69 | Y | |
| 4 | 20/11/2024 To 21/11/2024 | | | | 58 | 69 | Y | |
| 5 | 21/11/2024 To 22/11/2024 | | | | 63 | 69 | Y | |
| 6 | 24/11/2024 To 25/11/2024 | | | | 55 | 57 | Y | |
| 7 | 25/11/2024 To 26/11/2024 | | | | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 61Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 47. | 57 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 8 | 26/11/2024 To 27/11/2024 | | | | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 72Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58. | 57 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period above the predicted levelPredicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.Appropriate mitigation measures being offered..No further additional mitigation measures required |
| 9 | 27/11/2024 To 28/11/2024 | | | | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 58Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 44. | 57 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 11. Monitoring Location K: NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|---|---|---|-----------|---|
| 1 | 26/11/2024 To 27/11/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">TamperRegulatorRail grinderBalloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsExcavators 3T, 6 and13T | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 69Due to the monitoring location being 13 m from the source of the noise and sensitive receiver being 128 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 44. | 68 | Y | <ul style="list-style-type: none">RBL: 42 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Location A



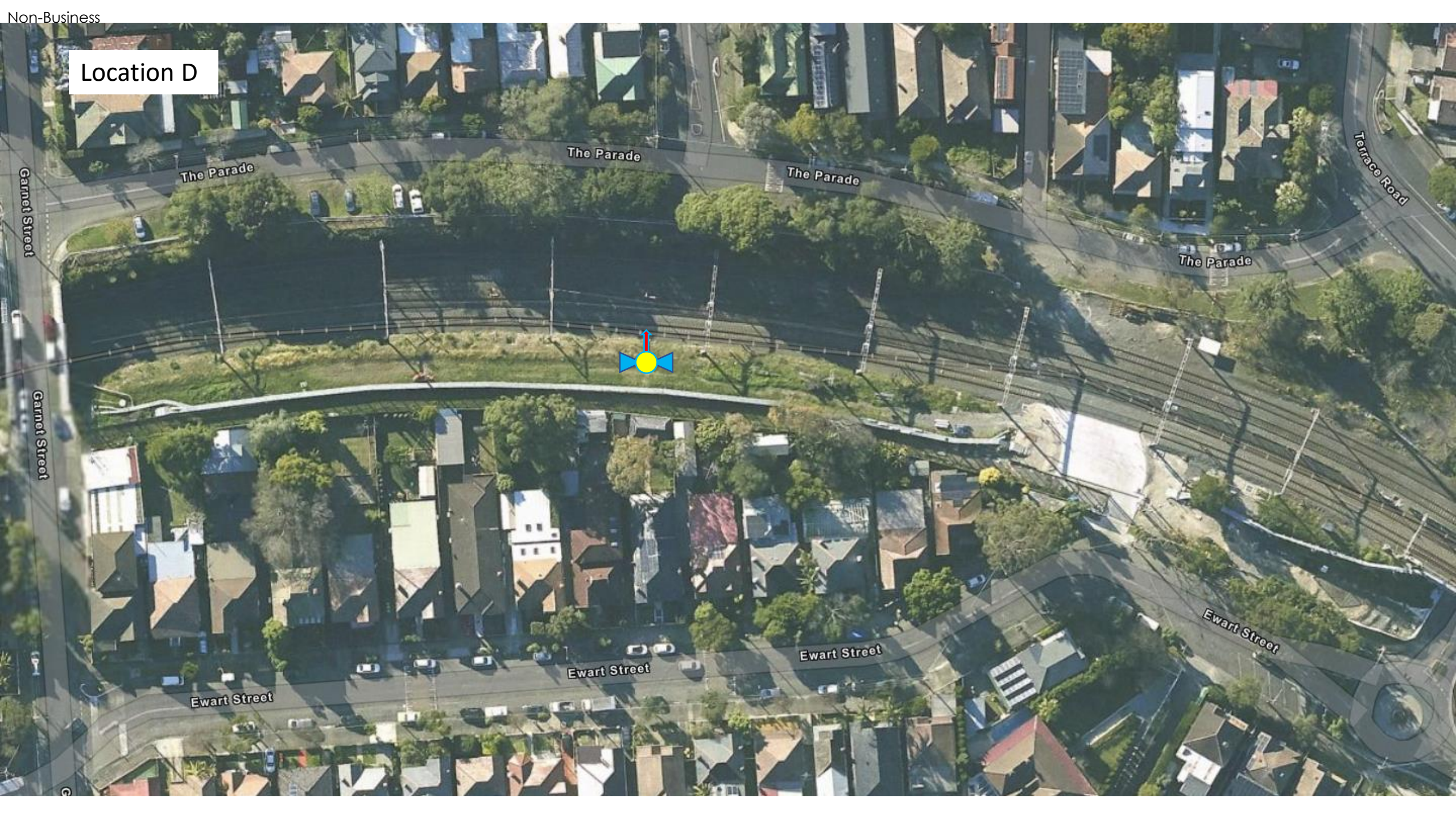
Location B



Location C

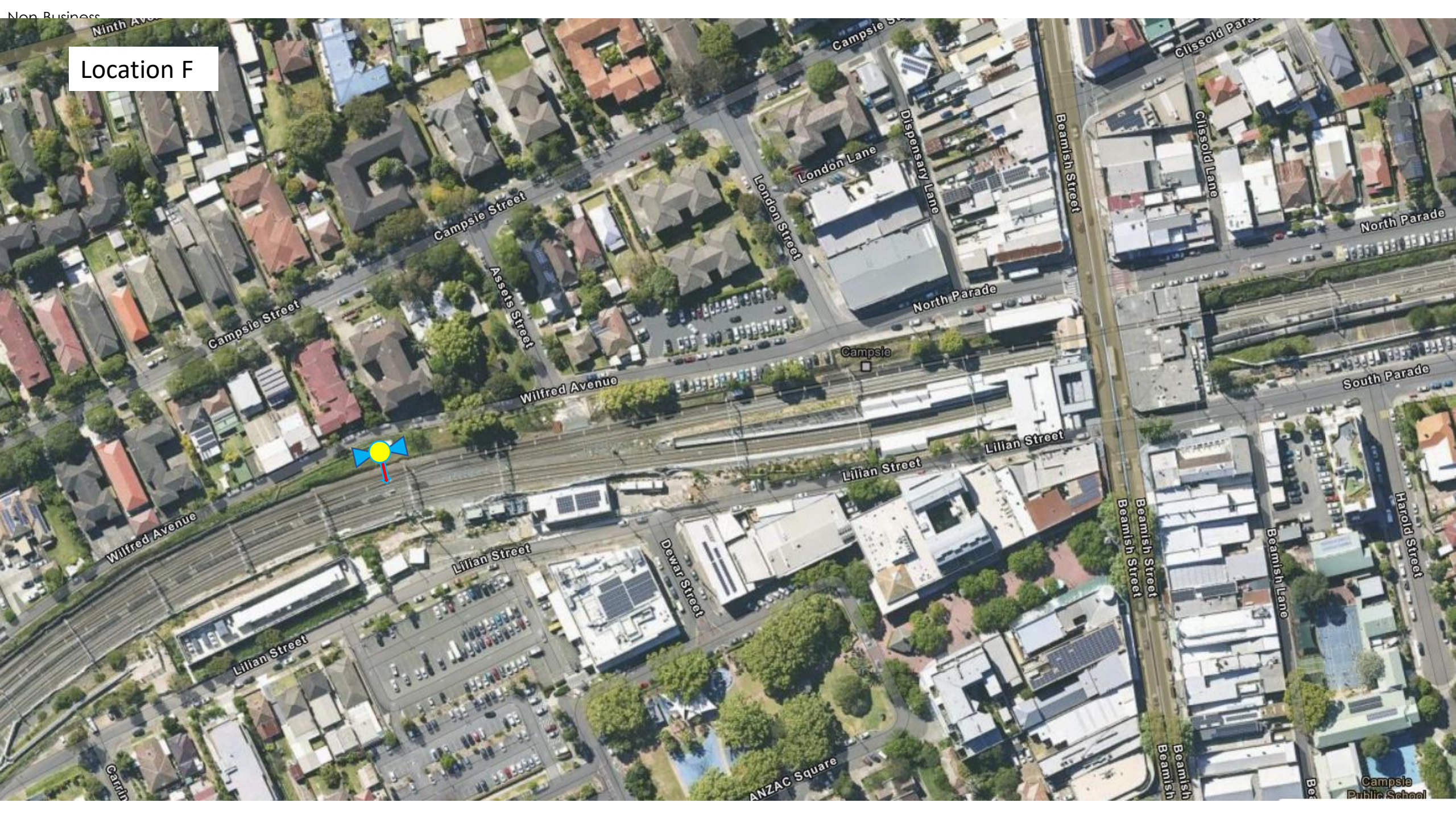


Location D



Location E





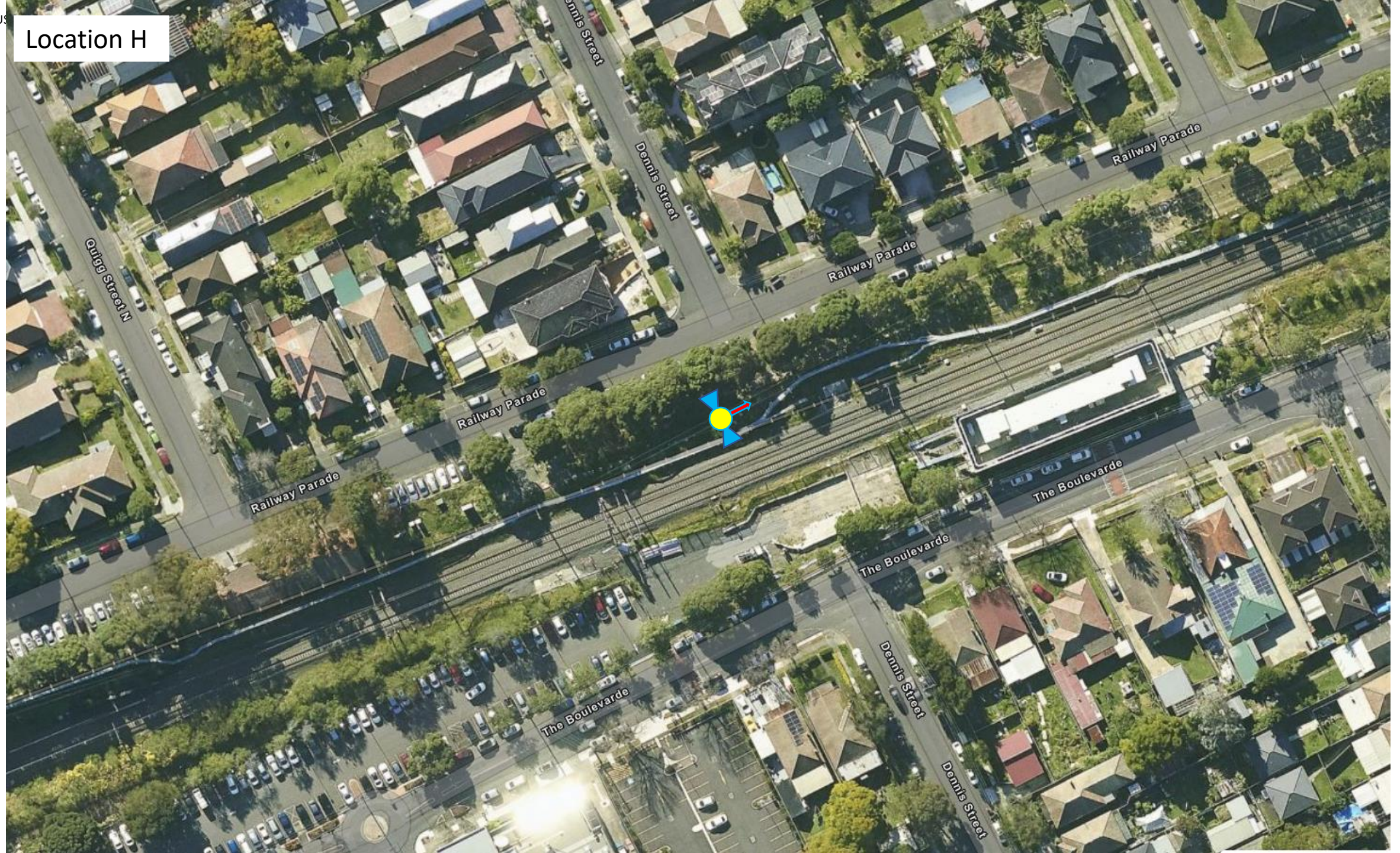
Location F

North

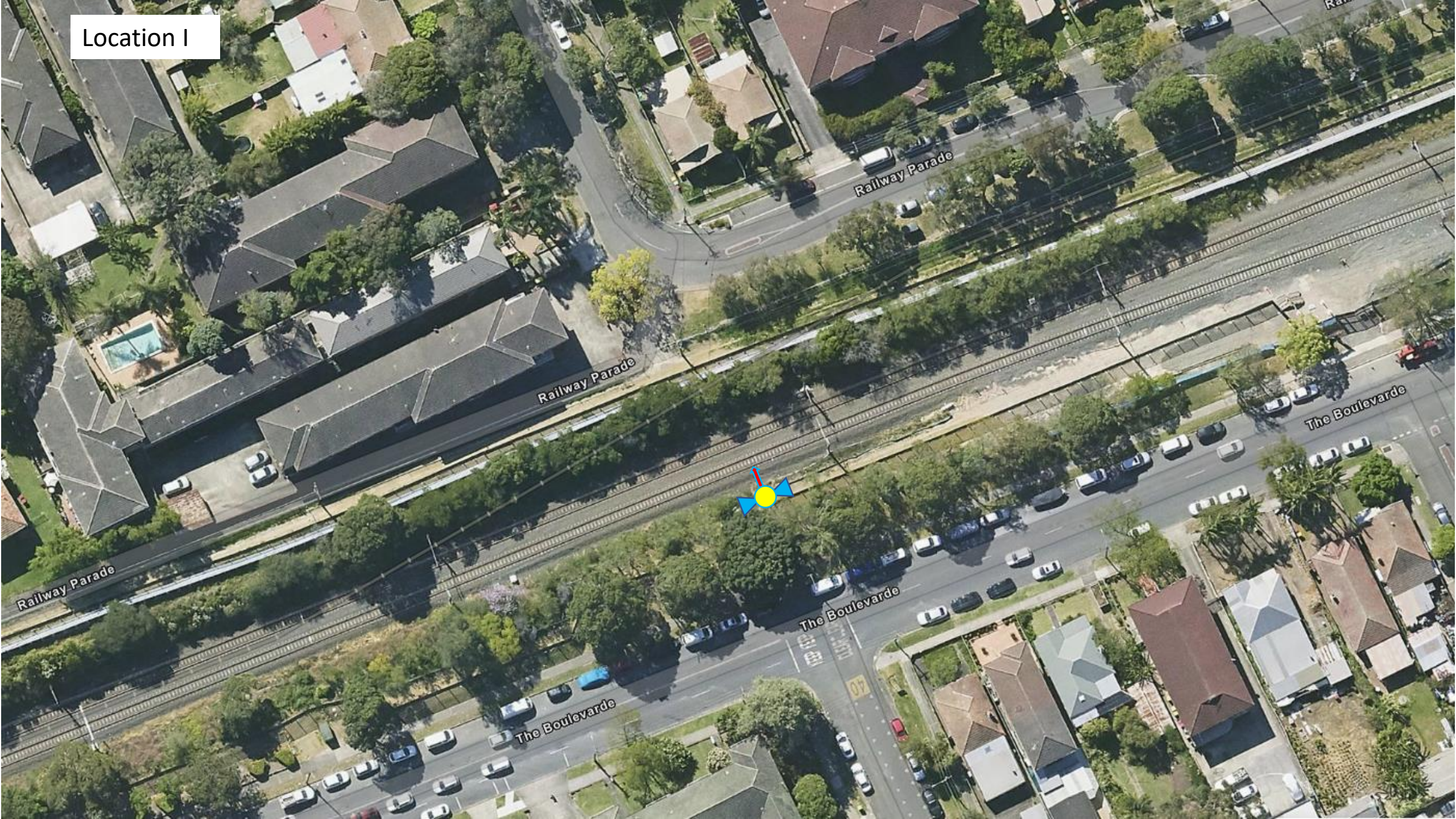
Location G



Location H



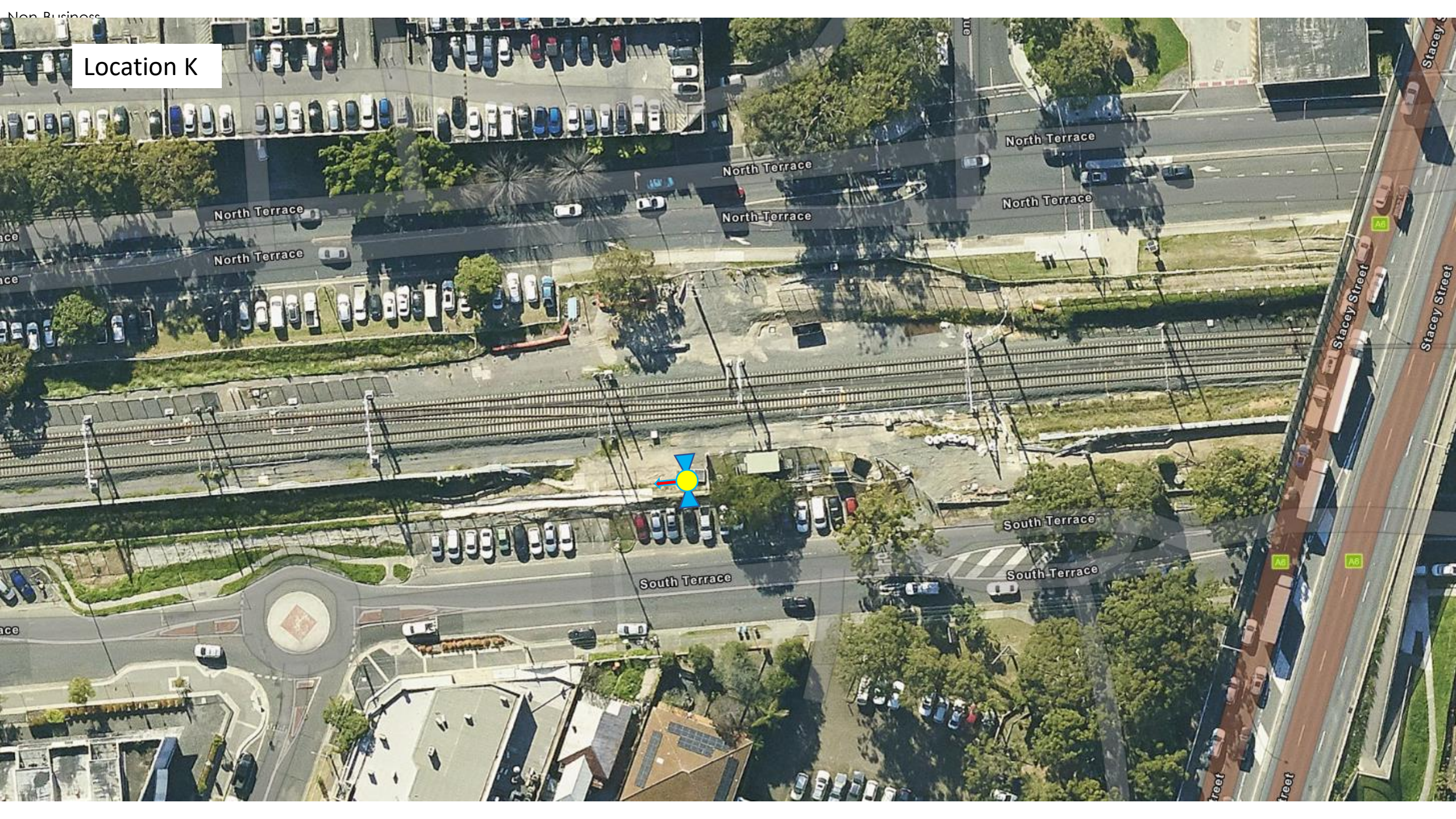
Location I



Location J



Location K



EPL 21147
R4.4 Validation Report

SWMC Final Conversion Stage-3
(02. Dec. 2024 - 15. Dec. 2024)

Security Fence auguring, Post and Panel/mesh screens; OHW structure installation, OHW cable dropping and pulling; GST Installation; Installation of Brackets at Stations; PSD and MGF installation; Track tamping, Track adjustment, Track grinding, Marrickville track sewer upgrade, Victoria Transom Rail Bridge upgrade, Track side signal equipment demolition; Cabling and Trackside Equipment.

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 |
|----------|------------|-------------------|---------------|----------------|
| 00 | 24/12/2024 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
| | | | | |
| | | | | |
| | | | | |

Management reviews

| Review date | Details | Reviewed by |
|-------------|---------|-------------|
| | | |
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| 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 over from 02nd December 2024 to 15th December 2024 during the Final Conversion Stage-3 Rail Possession.

The possession extended from Sydenham Station to Bankstown Station on Sydney Metro and Sydney Train track.

The following activities were carried under condition L5.6 - Local Possessions;

- Security Fence auguring, Post and Panel/mesh screens;
- Segregation fence auguring, Post and Panel/mesh screens
- OHW structure installation,
- OHW cable dropping and pulling;
- HV pole removal;
- GST Installation;
- Installation of Brackets at Stations;
- PSD and MGF installation
- Track tamping,
- Track adjustment,
- Track grinding,
- Marrickville track sewer upgrade,
- Victoria Transom Rail Bridge upgrade,
- Track side signal equipment demolition,
- Cabling and Tracksides Equipment.

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

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

- Excavators 3T, 6 and 13T (inc jack hammer, auguring and demolition attachments)
- Balloon tyre dump trucks (Hydrema)
- Light vehicles
- Trucks
- Payloader
- Handheld powered tools
- Vac Trucks
- EWP/telehandler
- Front-end loader
- Concrete truck and line pump
- Portable Generators
- Compressors
- Compactor
- Bogie
- Water pumps

- 4T Dumpy
- Site lights
- Mobile crane
- Taper
- Regulator
- Track grinder
- Track thermos-welding kit

2. A copy of the community notification required under Condition L5.12

A copy of the community notification required under Condition L5.12 is appended as **Attachment 2**.

3. Noise monitoring as required by L5.8(d)

Final Conversion Stage-3 (02. Dec. 2024 - 15. Dec. 2024) noise monitoring was carried out at 10 locations on the perimeter of the rail corridor.

All monitoring locations are closer to the source of the noise than the nearest sensitive receiver.

Note: calculation will be done where the noise at monitoring location exceeds the predicted level at the nearest sensitive receiver.

Monitoring locations listed below:

- a. NCA SSJ – (HEX646) 90m SE of 133 Meeks Road, Marrickville.
 - Noise Monitor is 58 m from the source of the noise
 - Sensitive Receiver is 147 m from the source of the noise
- b. NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.
 - Noise Monitor is 13 m from the source of the noise
 - Sensitive Receiver is 25 m from the source of the noise
- c. NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville
 - Noise Monitor is 19 m from the source of the noise
 - Sensitive Receiver is 30 m from the source of the noise
- d. NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.
 - Noise Monitor is 3 m from the source of the noise
 - Sensitive Receiver is 17 m from the source of the noise
- e. NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill.
 - Noise Monitor is 6 m from the source of the noise
 - Sensitive Receiver is 18 m from the source of the noise
- f. NCA 05 – (HEX631) 18m S from 32-24 Campsie St, Campsie
 - Noise Monitor is 19 m from the source of the noise
 - Sensitive Receiver is 33 m from the source of the noise
- g. NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.
 - Noise Monitor is 1 m from the source of the noise
 - Sensitive Receiver is 4 m from the source of the noise
- h. NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.
 - Noise Monitor is 30 m from the source of the noise
 - Sensitive Receiver is 55 m from the source of the noise
- i. NCA 09 - (HEX646) 50m SE of 17 Alice Street North, Wiley Park.
 - Noise Monitor is 9 m from the source of the noise
 - Sensitive Receiver is 22 m from the source of the noise
- j. NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.
 - Noise Monitor is 11 m from the source of the noise

- Sensitive Receiver is 53 m from the source of the noise

Refer to **Appendix 1** for noise monitoring results.

4. Details of any exceedances of predicted noise levels;

Noise (LAeq 15min) data was collected at the 11 locations between the 02nd of December 2024 to 15th of December 2024, all Out of Hour Works (OOHW) shift has been assessed.

During Final Conversion Stage-3 (02nd of December 2024 to 15th of December 2024), there were zero (0) exceedances of the noise predictions generated from the JHLORJV construction activity.

5. 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 following noise mitigation measures are implemented:

- Potential source noise controls include mufflers fitted to exhausts, regular maintenance of plant, acoustic enclosure of machinery on plant items, non-tonal reversing alarms fitted to plant.
- General monthly community notification.
- Specific notification to impacted residents were provided no later than 5 days out from start of possession.
- Additional mitigation measures such as Alternative Accommodation and Respite Offers.
- Use of real time noise monitors at targeted work locations. Periodic desk top checks on data collected by the 7 real time monitoring instruments were carried out during work periods.
- Environmental surveillance
- On site mitigation instructions to crews:
 - No music, no dropping of objects
 - No shouting or unnecessary noise
 - Be respectful of neighbors when coming and going from site. As far as possible, avoid congregating near residential property boundaries.
 - Position plant as far from residents as possible and orientate them if possible, to emit noise on non-resident side.
 - Plant to be switched off when not in use.

6. 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 Final Conversion Stage-3 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 L5.6 (Local Possession). 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.

Construction activities occurring within the rail corridor/danger zone can only be safely conducted during a rail possession during the absence of trains.

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 L5.6 & L5.7 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 – Noise Monitoring Results

- Monitoring Result
- Monitoring Location

Table 1. Monitoring Location A: NCA SSJ – (HEX646) 90m SE of 133 Meeks Road, Marrickville

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|--|---|-----------|--|
| 1 | 12/12/2024 To 13/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 76Excluding the following non-construction related event being identified:<div>12/12/2024 22:1564Aircraft</div><div>12/12/2024 22:3061Aircraft</div><div>12/12/2024 23:0059ARTC Train</div><div>12/12/2024 23:1566ARTC Train</div><div>13/12/2024 1:0061ARTC Train</div><div>13/12/2024 1:3060ARTC Train</div><div>13/12/2024 2:1557ARTC Train</div><div>13/12/2024 3:4561ARTC Train</div><div>13/12/2024 5:1559ARTC Train</div><div>13/12/2024 6:0064ARTC Train</div>Construction related LAeq in period at Monitoring Location is 62Due to the monitoring location being 58 m from the source of the noise and sensitive receiver being 147 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54. | 54 | Y | <ul style="list-style-type: none">RBL: 40 dBAThe calculated construction related highest LAeq in work period (54 dBA) is lower than the predicted level (54 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 13/12/2024 To 14/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<div>13/12/2024 22:1559Aircraft</div><div>13/12/2024 22:4561ARTC Train</div><div>13/12/2024 23:1560ARTC Train</div><div>14/12/2024 0:1562ARTC Train</div><div>14/12/2024 1:3063ARTC Train</div><div>14/12/2024 2:1569ARTC Train</div><div>14/12/2024 3:0064ARTC Train</div><div>14/12/2024 6:3062ARTC Train</div>Construction related LAeq in period at Monitoring Location is 56Due to the monitoring location being 58 m from the source of the noise and sensitive receiver being 147 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 48. | 54 | Y | <ul style="list-style-type: none">RBL: 40 dBAThe calculated construction related highest LAeq in work period (48 dBA) is lower than the predicted level (54 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 15/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div>15/12/2024 7:1561ARTC Train</div><div>15/12/2024 8:1565ARTC Train</div><div>15/12/2024 8:4564ARTC Train</div><div>15/12/2024 9:3062ARTC Train</div><div>15/12/2024 10:1560ARTC Train</div><div>15/12/2024 12:0061ARTC Train</div><div>15/12/2024 12:3067ARTC Train</div><div>15/12/2024 16:0057ARTC Train</div><div>15/12/2024 17:4560ARTC Train</div><div>15/12/2024 18:4558ARTC Train</div><div>15/12/2024 19:1558ARTC Train</div><div>15/12/2024 20:0061ARTC Train</div><div>15/12/2024 20:4555ARTC Train</div><div>15/12/2024 21:1557ARTC Train</div><div>15/12/2024 21:4559ARTC Train</div>Construction related LAeq in period at Monitoring Location is 65 | 66 | Y | <ul style="list-style-type: none">RBL: 47 dBAThe calculated construction related highest LAeq in work period (65 dBA) is lower than the predicted level (66 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 2. Monitoring Location B: NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|---|---|-----------|---|
| 1 | 06/12/2024 To 07/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified:<div><div>6/12/2024 22:1559Aircraft</div><div>6/12/2024 22:3068ARTC Train</div><div>6/12/2024 23:0066ARTC Train</div><div>6/12/2024 23:3062ARTC Train</div><div>6/12/2024 23:4567ARTC Train</div><div>7/12/2024 0:0066ARTC Train</div><div>7/12/2024 0:3065ARTC Train</div><div>7/12/2024 1:1565ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 61Due to the monitoring location being 13 m from the source of the noise and sensitive receiver being 25 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 55. | 59 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (55 dBA) is lower than the predicted level (59 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 07/12/2024 To 08/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 63 | 73 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe detected highest LAeq in work period (63 dBA) is below the predicted level (73 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 08/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71 | 73 | Y | <ul style="list-style-type: none">RBL: 38 dBAThe detected highest LAeq in work period (71 dBA) is below the predicted level (73 dBA)Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 08/12/2024 To 09/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 82Excluding the following non-construction related event being identified:<div><div>8/12/2024 22:1576ARTC Train</div><div>8/12/2024 22:3082ARTC Train</div><div>9/12/2024 2:4567ARTC Train</div><div>9/12/2024 4:3061ARTC Train</div><div>9/12/2024 5:0069ARTC Train</div><div>9/12/2024 5:1563ARTC Train</div><div>9/12/2024 5:3063ARTC Train</div><div>9/12/2024 6:0065ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 55 | 73 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe highest construction related LAeq in work period (55 dBA) is below the predicted level (73 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 09/12/2024 To 10/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 82Excluding the following non-construction related event being identified:<div><div>9/12/2024 22:3060ARTC Train</div><div>9/12/2024 22:4571ARTC Train</div><div>9/12/2024 23:0068ARTC Train</div><div>9/12/2024 23:1558ARTC Train</div><div>9/12/2024 23:3066ARTC Train</div><div>9/12/2024 23:4566ARTC Train</div><div>10/12/2024 0:4565ARTC Train</div><div>10/12/2024 1:0061ARTC Train</div><div>10/12/2024 1:3070ARTC Train</div><div>10/12/2024 1:4566ARTC Train</div><div>10/12/2024 2:0064ARTC Train</div><div>10/12/2024 2:3067ARTC Train</div><div>10/12/2024 3:4565ARTC Train</div><div>10/12/2024 5:0068ARTC Train</div><div>10/12/2024 6:4568ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 57 | 63 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe highest construction related LAeq in work period (57 dBA) is below the predicted level (73 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 10/12/2024 To 11/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<div><div>10/12/2024 22:3055ARTC Train</div><div>10/12/2024 22:4569ARTC Train</div><div>10/12/2024 23:1565ARTC Train</div><div>11/12/2024 0:1556ARTC Train</div><div>11/12/2024 0:3064ARTC Train</div><div>11/12/2024 0:4569ARTC Train</div><div>11/12/2024 1:4564ARTC Train</div><div>11/12/2024 2:0063ARTC Train</div><div>11/12/2024 2:3061ARTC Train</div><div>11/12/2024 2:4568ARTC Train</div><div>11/12/2024 3:0062ARTC Train</div><div>11/12/2024 3:4565ARTC Train</div><div>11/12/2024 6:3066ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 65Due to the monitoring location being 13 m from the source of the noise and sensitive receiver being 25 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 59. | 63 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (59 dBA) is lower than the predicted level (63 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

| | | | | |
|---|--------------------------------|-----------------------|--|--|
| 7 | 11/12/2024 To 12/12/2024 | Day 08:00 to 18:00 | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div>11/12/2024 22:30 64 ARTC Train</div><div>11/12/2024 22:45 68 Aircraft</div><div>11/12/2024 23:15 58 ARTC Train</div><div>12/12/2024 0:30 67 ARTC Train</div><div>12/12/2024 0:45 65 ARTC Train</div><div>12/12/2024 1:30 70 ARTC Train</div><div>12/12/2024 1:45 68 ARTC Train</div><div>12/12/2024 2:45 71 ARTC Train</div><div>12/12/2024 3:45 64 ARTC Train</div><div>12/12/2024 4:30 65 ARTC Train</div><div>12/12/2024 5:15 62 ARTC Train</div><div>12/12/2024 5:30 70 ARTC Train</div><div>12/12/2024 6:30 66 ARTC Train</div> |
|---|--------------------------------|-----------------------|--|--|

Table 3. Monitoring Location C: NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------------|--|---|--|---|---|-----------|---|
| 1 | 06/12/2024 To 07/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 60Excluding the following non-construction related event being identified: 7/12/2024 5:45 60 Weahter RainConstruction related LAeq in period at Monitoring Location is 59Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 30 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 55. | 55 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (55 dBA) is matched the predicted level (55 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 07/12/2024 To 08/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 60 | 69 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe detected highest LAeq in work period (60 dBA) is below the predicted level (69 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 08/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68 | 69 | Y | <ul style="list-style-type: none">RBL: 38 dBAThe detected highest LAeq in work period (68 dBA) is below the predicted level (69 dBA)Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 08/12/2024 To 09/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 65 | 69 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe detected highest LAeq in work period (65 dBA) is below the predicted level (73 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 09/12/2024 To 10/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 65 | 65 | Y | |

Table 4. Monitoring Location D: NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|---|---|-----------|---|
| 1 | 07/12/2024 To 08/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 57 | 58 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe detected highest LAeq in work period (57 dBA) is below the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 08/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 70Due to the monitoring location being 3 m from the source of the noise and sensitive receiver being 17 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 55. | 56 | Y | <ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (55 dBA) is below the predicted level (56 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 08/12/2024 To 09/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 53 | 58 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe detected highest LAeq in work period (53 dBA) is below the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 09/12/2024 To 10/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 61Excluding the following non-construction related event being identified:<div>9/12/2024 22:45 61 Aircraft</div><div>10/12/2024 2:30 57 ARTC Train</div><div>10/12/2024 5:15 58 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 55 | 56 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe highest construction related LAeq in work period (55 dBA) is below the predicted level (56 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 5 | 10/12/2024 To 11/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 57Excluding the following non-construction related event being identified:<div>11/12/2024 2:15 57 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 53 | 56 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe highest construction related LAeq in work period (53 dBA) is below the predicted level (56 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 6 | 15/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 57Excluding the following non-construction related event being identified:<div>15/12/2024 10:30 57 Train Horn</div><div>15/12/2024 15:30 56 Urban Siren</div>Construction related LAeq in period at Monitoring Location is 56Due to the monitoring location being 3 m from the source of the noise and sensitive receiver being 17 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 41. | 55 | Y | <ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (41 dBA) is below the predicted level (55 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 5. Monitoring Location E: NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|--|---|-----------|---|
| 1 | 07/12/2024 To 08/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 63 | 73 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe detected highest LAeq in work period (63 dBA) is below the predicted level (73 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 08/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified: 8/12/2024 19:45 73 Urban TrafficConstruction related LAeq in period at Monitoring Location is 71 | 72 | Y | <ul style="list-style-type: none">RBL: 38 dBAThe highest construction related LAeq in work period (71 dBA) is below the predicted level (72 dBA)Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 08/12/2024 To 09/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69 | 73 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe detected highest LAeq in work period (69 dBA) is below the predicted level (73 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 09/12/2024 To 10/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div>9/12/2024 22:30 70 ARTC Train</div><div>9/12/2024 22:45 67 Aircraft</div><div>9/12/2024 23:00 67 ARTC Train</div><div>9/12/2024 23:15 61 ARTC Train</div><div>9/12/2024 23:30 71 ARTC Train</div><div>9/12/2024 23:45 67 ARTC Train</div><div>10/12/2024 0:45 66 ARTC Train</div><div>10/12/2024 1:00 63 ARTC Train</div><div>10/12/2024 1:45 70 ARTC Train</div><div>10/12/2024 2:00 69 ARTC Train</div><div>10/12/2024 2:30 65 ARTC Train</div><div>10/12/2024 3:45 64 ARTC Train</div><div>10/12/2024 5:00 70 ARTC Train</div><div>10/12/2024 5:15 70 ARTC Train</div><div>10/12/2024 6:45 66 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 54Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 44. | 52 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (44 dBA) is matched the predicted level (52 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

| | | | | | |
|---|--------------------------------|--|--|--|--|
| 5 | 10/12/2024 To 11/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<div>10/12/2024 22:15 61 ARTC Train</div><div>10/12/2024 22:30 62 ARTC Train</div><div>10/12/2024 22:45 66 ARTC Train</div><div>10/12/2024 23:00 65 ARTC Train</div><div>10/12/2024 23:15 64 ARTC Train</div><div>10/12/2024 23:30 68 ARTC Train</div><div>11/12/2024 0:15 56 ARTC Train</div><div>11/12/2024 0:30 62 ARTC Train</div><div>11/12/2024 0:45 70 ARTC Train</div><div>11/12/2024 1:00 68 ARTC Train</div><div>11/12/2024 1:30 66 ARTC Train</div><div>11/12/2024 1:45 65 ARTC Train</div><div>11/12/2024 2:00 70 ARTC Train</div><div>11/12/2024 2:15 73 ARTC Train</div><div>11/12/2024 2:45 68 ARTC Train</div><div>11/12/2024 3:00 64 ARTC Train</div><div>11/12/2024 3:45 64 ARTC Train</div><div>11/12/2024 5:00 69 ARTC Train</div><div>11/12/2024 6:30 65 ARTC Train</div> |
|---|--------------------------------|--|--|--|--|

Table 6. Monitoring Location F: NCA 06 – (HEX631) 18m S from 32-24 Campsie St, Campsie

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|--|---|-----------|--|
| 1 | 07/12/2024 To 08/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema) | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 50 | 66 | Y | <ul style="list-style-type: none">RBL: 35 dBAThe detected highest LAeq in work period (50 dBA) is below the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 08/12/2024 | Day 08:00 to 18:00 | | <ul style="list-style-type: none">Light vehiclesTrucksPayloaderHandheld powered and non-powered tools | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 71Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 33 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 66. | 66 | Y | <ul style="list-style-type: none">RBL: 45 dBAThe calculated construction related highest LAeq in work period (66 dBA) matched the predicted level (66 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 08/12/2024 To 09/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | <ul style="list-style-type: none">Vac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogie | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified:<div>8/12/2024 23:00 63 ARTC Train</div><div>9/12/2024 2:45 61 ARTC Train</div><div>9/12/2024 4:15 65 ARTC Train</div><div>9/12/2024 4:30 62 ARTC Train</div><div>9/12/2024 4:45 68 ARTC Train</div><div>9/12/2024 5:00 61 ARTC Train</div><div>9/12/2024 5:30 64 ARTC Train</div><div>9/12/2024 6:00 67 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 54 | 66 | Y | <ul style="list-style-type: none">RBL: 35 dBAThe highest construction related LAeq in work period (54 dBA) is below the predicted level (66 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

| | | | | | | | |
|---|------------|-----------------------|---|---|----|---|---|
| 4 | 15/12/2024 | Day 08:00 to 18:00 | <ul style="list-style-type: none">Water pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified:<div><div>15/12/2024 7:1560ARTC Train</div><div>15/12/2024 7:4565ARTC Train</div><div>15/12/2024 8:0065ARTC Train</div><div>15/12/2024 8:3060ARTC Train</div><div>15/12/2024 8:4566ARTC Train</div><div>15/12/2024 9:0063ARTC Train</div><div>15/12/2024 9:1565ARTC Train</div><div>15/12/2024 9:3065ARTC Train</div><div>15/12/2024 10:1566ARTC Train</div><div>15/12/2024 10:3061ARTC Train</div><div>15/12/2024 11:3061ARTC Train</div><div>15/12/2024 12:3062ARTC Train</div><div>15/12/2024 12:4556ARTC Train</div><div>15/12/2024 13:0061ARTC Train</div><div>15/12/2024 14:0068ARTC Train</div><div>15/12/2024 14:1561ARTC Train</div><div>15/12/2024 16:1563ARTC Train</div><div>15/12/2024 17:0061ARTC Train</div><div>15/12/2024 17:1561ARTC Train</div><div>15/12/2024 17:3059ARTC Train</div><div>15/12/2024 18:0061ARTC Train</div><div>15/12/2024 18:1560ARTC Train</div><div>15/12/2024 18:3060ARTC Train</div><div>15/12/2024 18:4557ARTC Train</div><div>15/12/2024 19:1554ARTC Train</div><div>15/12/2024 19:3064ARTC Train</div><div>15/12/2024 20:1563ARTC Train</div><div>15/12/2024 20:3065ARTC Train</div><div>15/12/2024 21:0064ARTC Train</div><div>15/12/2024 21:4566ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 59Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 33 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54. | 56 | Y | <ul style="list-style-type: none">RBL: 45 dBAThe calculated construction related highest LAeq in work period (54 dBA) matched the predicted level (56 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
|---|------------|-----------------------|---|---|----|---|---|

Table 7. Monitoring Location G: NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|--|---|-----------|---|
| 1 | 07/12/2024 To 08/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66 | 71 | Y | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 08/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68 | 71 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 08/12/2024 To 09/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 53 | 71 | Y | <ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this triggered offer for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 09/12/2024 To 10/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 53 | 66 | Y | |
| 5 | 10/12/2024 To 11/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 61 | 66 | Y | |
| 6 | 11/12/2024 To 12/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 61 | 66 | Y | |
| 7 | 15/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 59 | 67 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 8. Monitoring Location H: NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|--|---|-----------|---|
| 1 | 07/12/2024 To 08/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 54 | 58 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) did not trigger offer for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 08/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified:<div>8/12/2024 20:00 60 Urban Traffic</div><div>8/12/2024 21:15 68 Illegal Firework</div><div>8/12/2024 21:30 72 Illegal Firework</div>Construction related LAeq in period at Monitoring Location is 59Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54. | 58 | Y | <ul style="list-style-type: none">RBL: 47 dBAThe calculated construction related highest LAeq in work period (54 dBA) matched the predicted level (58 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 08/12/2024 To 09/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 58 | 58 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) did not trigger offer for additional mitigation measures.Appropriate mitigation measures being offered |
| 4 | 15/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 57Excluding the following non-construction related event being identified:<div>15/12/2024 10:15 57 Urban Traffic</div><div>15/12/2024 12:45 56 Urban Traffic</div><div>15/12/2024 14:00 56 Urban Traffic</div><div>15/12/2024 16:30 57 Animal Activity</div><div>15/12/2024 16:45 56 Animal Activity</div>Construction related LAeq in period at Monitoring Location is 54Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 33 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 49. | 52 | Y | <ul style="list-style-type: none">RBL: 47 dBAThe calculated construction related highest LAeq in work period (54 dBA) matched the predicted level (58 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 9. Monitoring Location I: NCA 09 - (HEX646) 50m SE of 17 Alice Street North, Wiley Park.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|---|---|-----------|---|
| 1 | 07/12/2024 To 08/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 62Excluding the following non-construction related event being identified:<div>7/12/2024 22:15 62 Urban Traffic</div><div>7/12/2024 22:30 55 Urban Traffic</div><div>7/12/2024 22:45 56 Urban Traffic</div>Construction related LAeq in period at Monitoring Location is 56Due to the monitoring location being 9 m from the source of the noise and sensitive receiver being 22 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 48. | 55 | Y | <ul style="list-style-type: none">RBL: 36 dBAThe calculated construction related highest LAeq in work period (48 dBA) matched the predicted level (55 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 2 | 08/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 65 | 81 | Y | <ul style="list-style-type: none">RBL: 44 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this triggered offer for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 08/12/2024 To 09/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified:<div>8/12/2024 22:15 57 Urban Traffic</div><div>8/12/2024 22:30 55 Urban Traffic</div><div>8/12/2024 22:45 55 Urban Traffic</div><div>8/12/2024 23:00 56 Urban Traffic</div><div>9/12/2024 0:30 54 Urban Traffic</div><div>9/12/2024 6:00 54 Animal Activity</div><div>9/12/2024 6:30 55 Urban Traffic</div><div>9/12/2024 6:45 58 Urban Traffic</div>Construction related LAeq in period at Monitoring Location is 56Due to the monitoring location being 9 m from the source of the noise and sensitive receiver being 22 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 48. | 55 | Y | <ul style="list-style-type: none">RBL: 36 dBAThe calculated construction related highest LAeq in work period (48 dBA) matched the predicted level (55 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 4 | 10/12/2024 To 11/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 55 | 55 | | <ul style="list-style-type: none">RBL: 44 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) did not trigger offer for additional mitigation measures.Appropriate mitigation measures being offered |

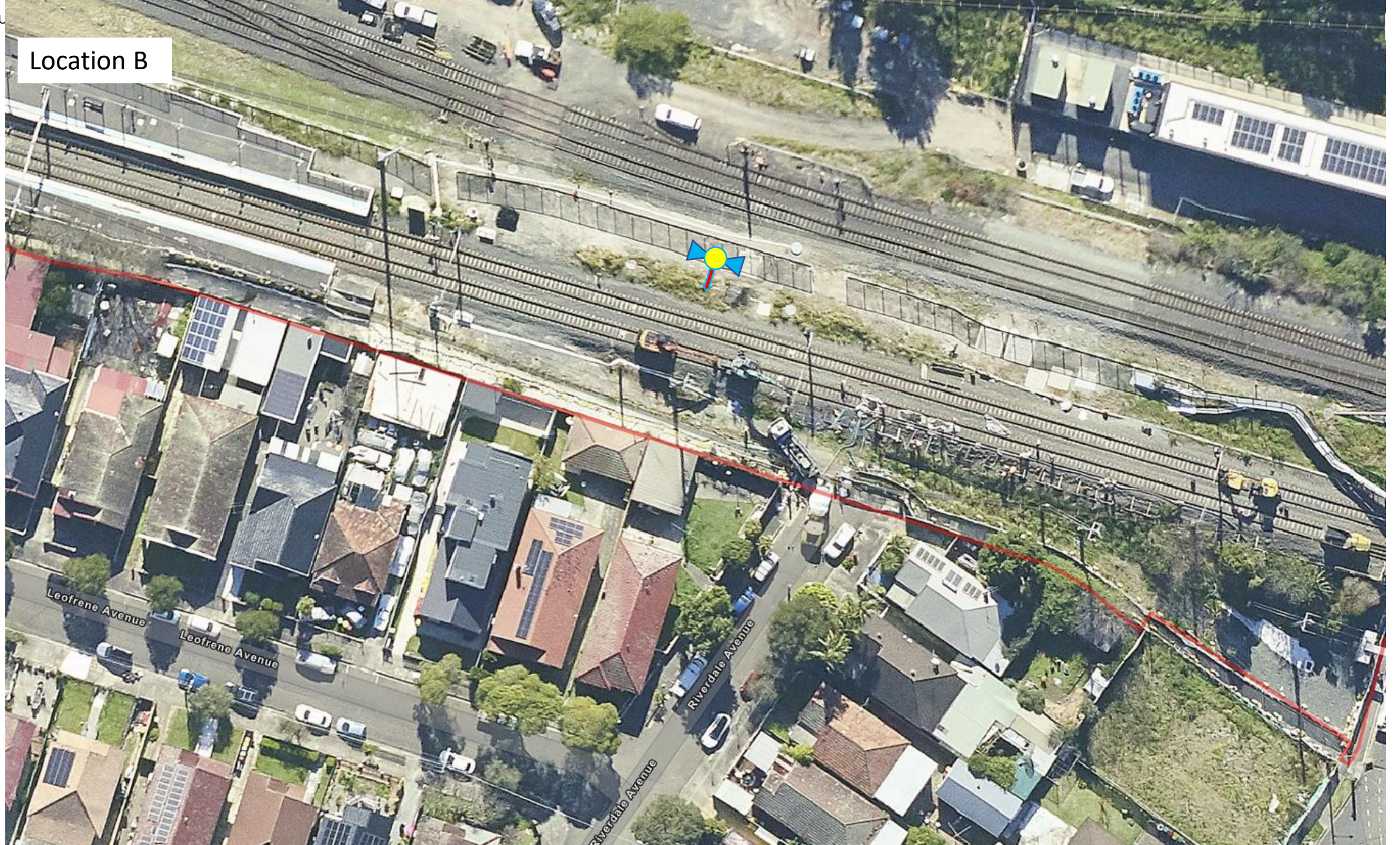
Table 10. Monitoring Location J: NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|--|---|-----------|--|
| 1 | 07/12/2024 To 08/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Excavators 3T, 6 and13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 65Excluding the following non-construction related event being identified: 7/12/2024 23:45 65 Illegal FireworkConstruction related LAeq in period at Monitoring Location is 55 | 63 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period below the predicted level.Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 08/12/2024 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 63Excluding the following non-construction related event being identified: 8/12/2024 8:15 60 Urban Traffic & Animal Activity 8/12/2024 8:30 62 Urban Traffic & Animal Activity 8/12/2024 8:45 61 Urban Traffic & Animal Activity 8/12/2024 9:00 60 Urban Traffic & Animal Activity 8/12/2024 9:15 63 Urban Traffic & Animal Activity 8/12/2024 9:30 63 Urban Traffic & Animal ActivityConstruction related LAeq in period at Monitoring Location is 60 | 60 | Y | <ul style="list-style-type: none">RBL: 47 dBAThe construction related highest LAeq in work period matched the predicted level.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 08/12/2024 To 09/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 59 | 63 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 09/12/2024 To 10/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 57Excluding the following non-construction related event being identified: 9/12/2024 22:15 57 Urban Traffic 10/12/2024 4:15 52 Urban Traffic 10/12/2024 5:30 54 Urban TrafficConstruction related LAeq in period at Monitoring Location is 55Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 41. | 52 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period below the predicted level.Predicted noise levels (Night shift works) did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 5 | 10/12/2024 To 11/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 60Excluding the following non-construction related event being identified: 11/12/2024 6:45 60 Urban TrafficConstruction related LAeq in period at Monitoring Location is 54Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 40 | 52 | Y | |
| 6 | 11/12/2024 To 12/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 58Excluding the following non-construction related event being identified: 11/12/2024 22:15 58 Urban TrafficConstruction related LAeq in period at Monitoring Location is 55 | 55 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe construction related highest LAeq in work period matched the predicted level.Predicted noise levels (Night shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 7 | 12/12/2024 To 13/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 55 | 55 | Y | <ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 8 | 13/12/2024 To 14/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 58Excluding the following non-construction related event being identified: 13/12/2024 22:15 55 Urban Traffic 13/12/2024 22:30 58 Urban Traffic 13/12/2024 22:45 54 Urban Traffic 13/12/2024 23:00 55 Urban Traffic 13/12/2024 23:30 55 Urban Traffic 14/12/2024 0:45 54 Urban Traffic 14/12/2024 1:00 54 Urban Traffic 14/12/2024 6:00 53 Urban Traffic 14/12/2024 6:15 52 Animal ActivityConstruction related LAeq in period at Monitoring Location is 53Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 39. | 51 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Location A



Location B



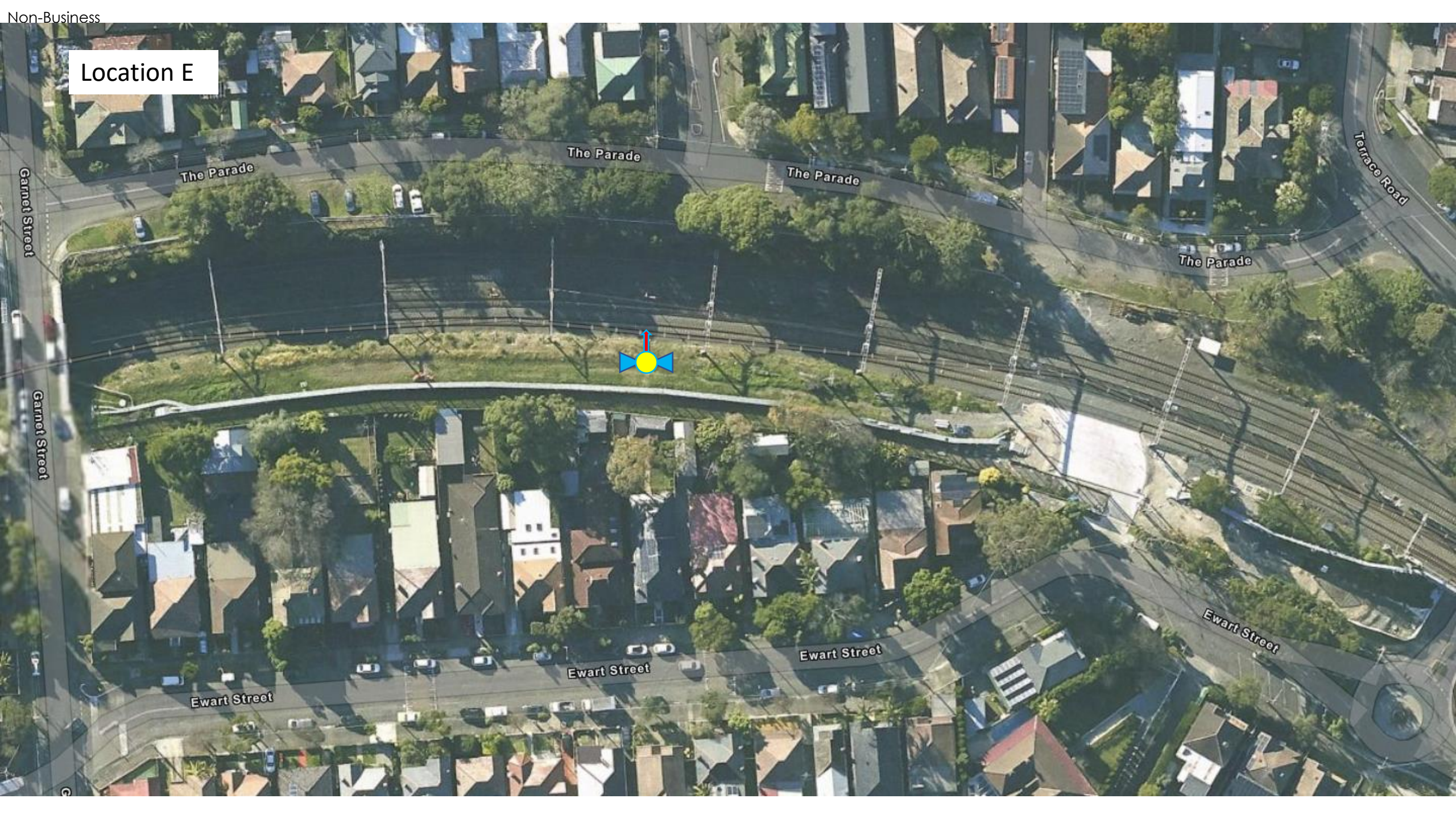
Location C

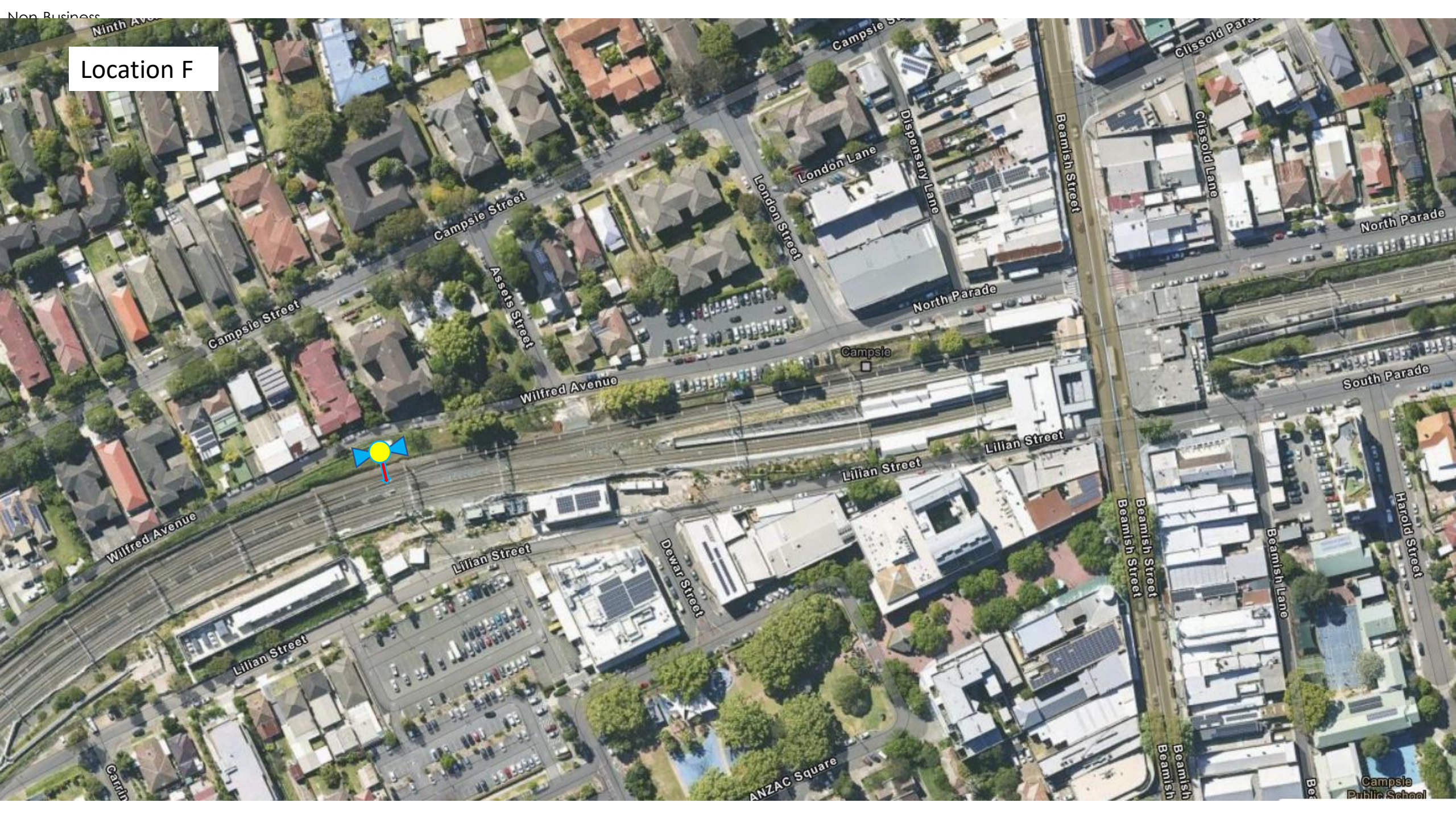


Location D



Location E





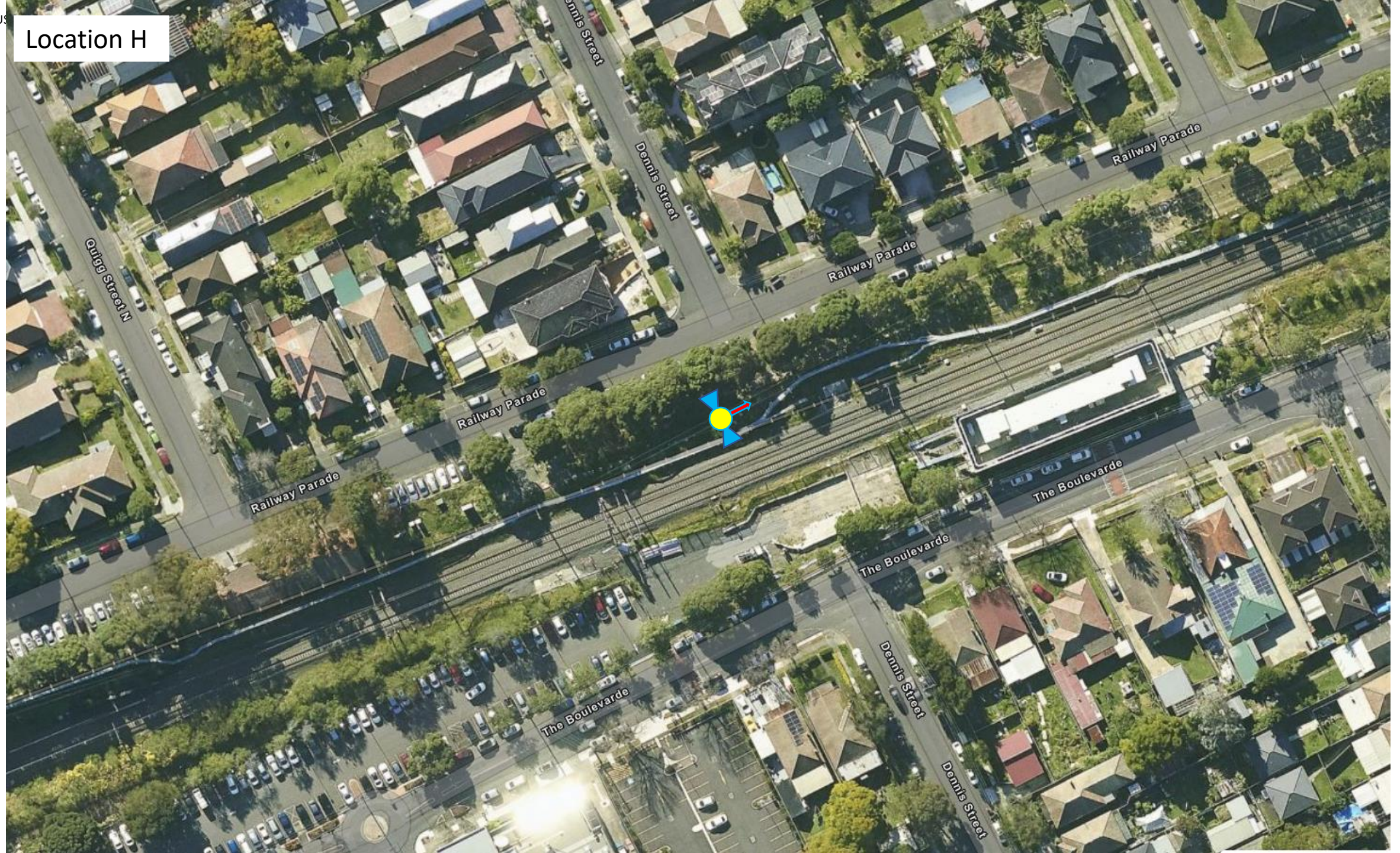
Location F

North

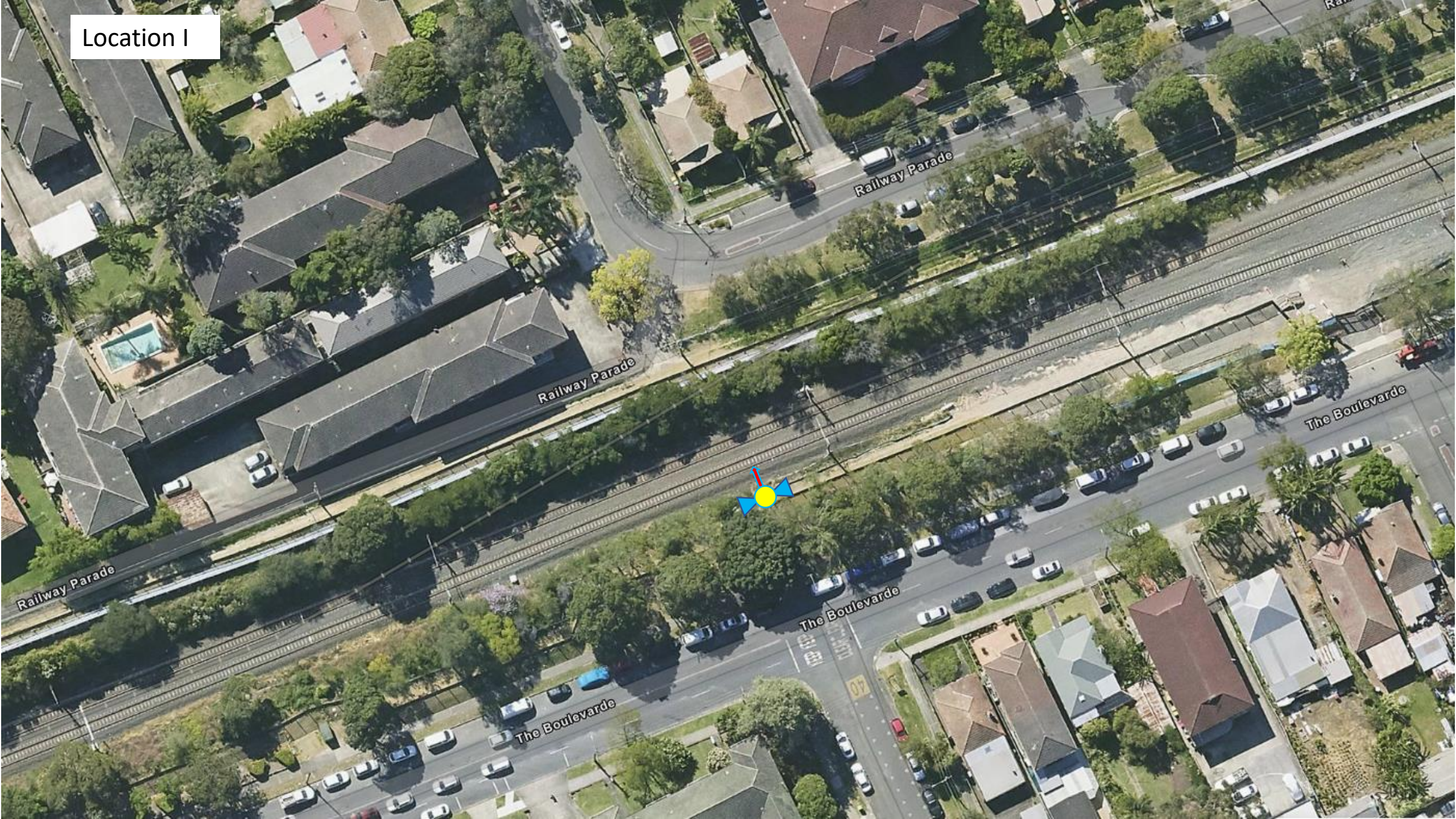
Location G



Location H



Location I



Location J



Attachment 2 – Community Notification

Community Notifications were provided to residents of:

- Sydenham
- Marrickville
- Canterbury
- Hurlstone Park
- Dulwich Hill
- Campsie
- Belmore
- Wiley Park
- Punchbowl to Bankstown

Please refer to the following community notifications for works.

EPL 21147
R4.4 Validation Report

SWMC Final Conversion Stage-3
(16. Dec. 2024 - 22. Dec. 2024)

Victoria Rail Transom Bridge platform removal & Hyundai Movex Hurlstone Park MGF/PSD electrical works.

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 |
|----------|------------|-------------------|---------------|----------------|
| 00 | 27/12/2024 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
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Management reviews

| Review date | Details | | Reviewed by | |
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| Controlled: | NO | Copy no.: | Uncontrolled: | YES |
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Table of Contents

Introduction3

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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 worksite3

2. A copy of the community notification required under Condition L5.123

3. Noise monitoring as required by L5.8(d)3

4. Details of any exceedances of predicted noise levels;4

5. 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

6. The justification required under L5.6 for the carrying out of works outside of standard construction hours in L5.1.4

R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.6 & L5.7 by no later than 2 business days from the end of each fortnight.4

Attachment 1 – Noise Monitoring Results6

Attachment 2 – Community Notification7

Introduction

This validation report has been prepared in accordance with EPL 21147 Condition R4.4 for out-of-hour works carried out over from 16th December 2024 to 22nd December 2024 during the Final Conversion Stage-3 Rail Possession.

The possession extended from Sydenham Station to Bankstown Station on Sydney Metro track.

The following activities were carried under condition L5.6 - Local Possessions;

- Victoria Rail Transom Bridge platform removal; and
- Hyundai Movex Hurlstone Park MGF/PSD electrical works.

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

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

- Light vehicles
- Trucks
- Handheld powered tools
- EWP/telehandler

2. A copy of the community notification required under Condition L5.12

A copy of the community notification required under Condition L5.12 is appended as **Attachment 2**.

3. Noise monitoring as required by L5.8(d)

Final Conversion Stage-3 (16. Dec. 2024 - 22. Dec. 2024) noise monitoring was carried out at 2 locations on the perimeter of the rail corridor.

All monitoring locations are closer OR equal to the source of the noise than the nearest sensitive receiver.

Monitoring locations listed below:

- a. NCA SSJ – (HEX646) 35m N of 1 Charlotte Avenue, Marrickville.
 - Noise Monitor is 31 m from the source of the noise
 - Sensitive Receiver is 31 m from the source of the noise
- b. NCA 01 - (HEX630) 13.5m NW of 3A Commons Street, Hurlstone Park.
 - Noise Monitor is 3 m from the source of the noise
 - Sensitive Receiver is 16 m from the source of the noise

Refer to **Appendix 1** for noise monitoring results.

4. Details of any exceedances of predicted noise levels;

Noise (LAeq 15min) data was collected at the 2 locations between the 16th of December 2024 to 22nd of December 2024, all Out of Hour Works (OOHW) shift has been assessed.

During Final Conversion Stage-3 (16th of December 2024 to 22nd of December 2024), there were zero (0) exceedances of the noise predictions generated from the JHLORJV construction activity.

5. 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 following noise mitigation measures are implemented:

- Potential source noise controls include mufflers fitted to exhausts, regular maintenance of plant, acoustic enclosure of machinery on plant items, non-tonal reversing alarms fitted to plant.
- General monthly community notification.
- Specific notification to impacted residents were provided no later than 5 days out from start of possession.
- Additional mitigation measures such as Alternative Accommodation and Respite Offers.
- Use of real time noise monitors at targeted work locations. Periodic desk top checks on data collected by the 7 real time monitoring instruments were carried out during work periods.
- Environmental surveillance
- On site mitigation instructions to crews:
 - No music, no dropping of objects
 - No shouting or unnecessary noise
 - Be respectful of neighbors when coming and going from site. As far as possible, avoid congregating near residential property boundaries.
 - Position plant as far from residents as possible and orientate them if possible, to emit noise on non-resident side.
 - Plant to be switched off when not in use.

6. 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 Final Conversion Stage-3 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 L5.6 (Local Possession). 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.

Construction activities occurring within the rail corridor/danger zone can only be safely conducted during a rail possession during the absence of trains.

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 L5.6 & L5.7 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 – Noise Monitoring Results

- Monitoring Result
- Monitoring Location

Table 1. Monitoring Location A: NCA SSJ – (HEX646) 35m N of 1 Charlotte Avenue, Marrickville.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|--|---|--|---|---|-----------|--|
| 1 | 18/12/2024 To 19/12/2024 | Night 22:00 to 7:00 (Modeled from 18:00 to 7:00) | General track related construction activities | <ul style="list-style-type: none">Light vehiclesTrucksHandheld powered and non-powered toolsEWP/telehandler | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified:<div><div>18/12/2024 22:4565ARTC Train</div><div>18/12/2024 23:0058ARTC Train</div><div>19/12/2024 0:1562ARTC Train</div><div>19/12/2024 0:3056ARTC Train</div><div>19/12/2024 1:0065ARTC Train</div><div>19/12/2024 1:4564ARTC Train</div><div>19/12/2024 2:0055ARTC Train</div><div>19/12/2024 3:3062ARTC Train</div><div>19/12/2024 4:1559ARTC Train</div><div>19/12/2024 5:0060ARTC Train</div><div>19/12/2024 5:3063ARTC Train</div><div>19/12/2024 6:0066ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 62 | 68 | Y | <ul style="list-style-type: none">RBL: 33 dBAThe construction related highest LAeq in work period is lower than the predicted levelPredicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 19/12/2024 To 20/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div><div>19/12/2024 22:1562ARTC Train</div><div>19/12/2024 22:4560ARTC Train</div><div>20/12/2024 0:0053Aircraft</div><div>20/12/2024 0:4567ARTC Train</div><div>20/12/2024 1:0064ARTC Train</div><div>20/12/2024 1:3062ARTC Train</div><div>20/12/2024 2:1562ARTC Train</div><div>20/12/2024 2:3057ARTC Train</div><div>20/12/2024 4:4558ARTC Train</div><div>20/12/2024 5:3064ARTC Train</div><div>20/12/2024 5:4558ARTC Train</div><div>20/12/2024 6:0058ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 63 | | | |
| 3 | 20/12/2024 To 21/12/2024 | | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified:<div><div>20/12/2024 22:1561ARTC Train</div><div>20/12/2024 22:4557ARTC Train</div><div>20/12/2024 23:0061ARTC Train</div><div>21/12/2024 0:1554ARTC Train</div><div>21/12/2024 0:3066ARTC Train</div><div>21/12/2024 1:0061ARTC Train</div><div>21/12/2024 1:1560ARTC Train</div><div>21/12/2024 1:3066ARTC Train</div><div>21/12/2024 3:0061ARTC Train</div><div>21/12/2024 4:1562ARTC Train</div><div>21/12/2024 4:3058ARTC Train</div><div>21/12/2024 6:0064ARTC Train</div><div>21/12/2024 6:1563ARTC Train</div><div>21/12/2024 6:4565ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 63 | | | |

Table 2. Monitoring Location B: NCA 01 - (HEX630) 13.5m NW of 3A Commons Street, Hurlstone Park.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|------------|--------------------|---|--|---|---|-----------|--|
| 1 | 22/12/2024 | Day 08:00 to 18:00 | General track related construction activities | <ul style="list-style-type: none">Handheld powered and non-powered tools | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 65Excluding the following non-construction related event being identified:<div><div>22/12/2024 11:0065Worker talking next to Monitor</div><div>22/12/2024 13:3063Worker talking next to Monitor</div><div>22/12/2024 13:4561Worker talking next to Monitor</div></div>Construction related LAeq in period at Monitoring Location is 61 | 64 | Y | <ul style="list-style-type: none">RBL: 38 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Location A





Location B

Floss Street

Floss Street

Hurstone Park

Duntroon Street

Duntroon Street

Attachment 2 – Community Notification

Community Notifications were provided to residents of:

- Sydenham
- Marrickville
- Canterbury
- Hurlstone Park
- Dulwich Hill
- Campsie
- Belmore
- Wiley Park
- Punchbowl to Bankstown

Please refer to the following community notifications for works.

EPL 21147

R4.4 Validation Report

Y25 WE28 Hyundai Movex/UGL PSD/MGF Works.

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 | 13/01/2025 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
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Management reviews

| Review date | Details | Reviewed by |
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Controlled: NO Copy no.: Uncontrolled: YES

Table of Contents

Introduction3

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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 worksite3

2. A copy of the community notification required under Condition L5.123

3. Noise monitoring as required by L5.8(d)3

4. Details of any exceedances of predicted noise levels;3

5. 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.....3

6. The justification required under L5.6 for the carrying out of works outside of standard construction hours in L5.1.4

R4.4 (b) The validation report must be submitted to the EPA fortnightly from the commencement of the works permitted by L5.6 & L5.7 by no later than 2 business days from the end of each fortnight.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 on 12th of January 2025 in Weekend 28 Possession (WE28) over 1 Sunday day shift. Works carried under condition L5.6- Local Possessions at the following locations;

- PSD/MGF electrical and grouting works

Refer to attachment 1 for monitoring results.

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

- Handheld powered and non-powered tools

2. **A copy of the community notification required under Condition L5.12**

A copy of the community notification required under Condition L5.12 is appended as Attachment 2.

3. **Noise monitoring as required by L5.8(d)**

WE28 works noise monitoring was carried out at the following locations along the project corridor.

- NCA 02 - Noise Monitor (HEX-000630) is 28 m north-east of 57A Ewart Ln, Dulwich Hill NSW 2203

Refer to attachment 1 for Monitoring Locations.

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

Throughout the works carried out over WE28, there were no exceedances of the noise predictions due to construction activity.

5. **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:

- 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.

6. 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 WE28 were completed under L5.6 (OOHW - local rail possession). as Carrying out these works and activities during standard construction hours as 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 could only be safely conducted during a rail possession due to works occurring within the rail corridor. 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 L5.6 & L5.7 by no later than 2 business days from the end of each fortnight.

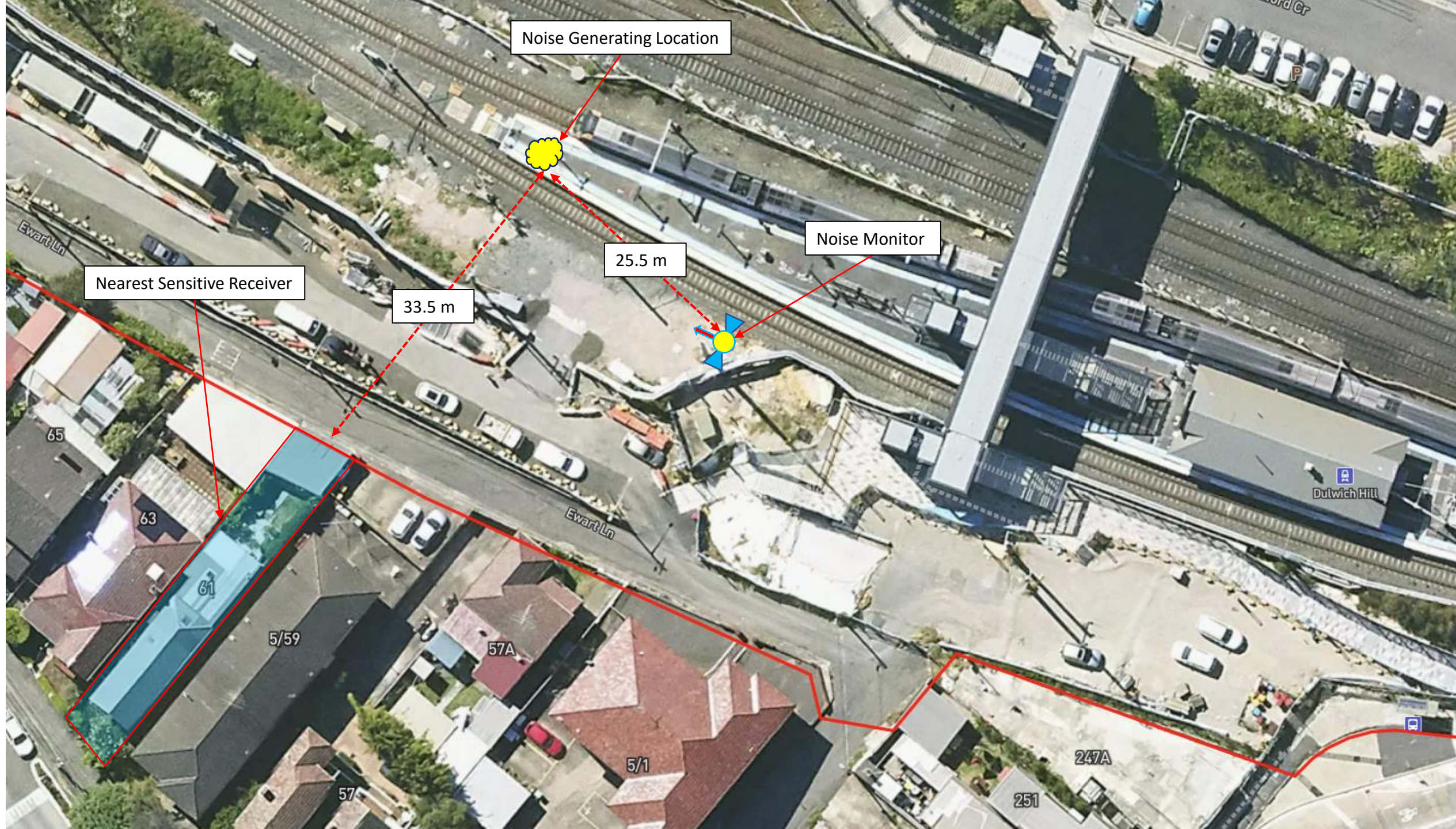
This R4.4 Validation report has been submitted to EPA by no later than two business days after the end of the fortnight.

Attachment 1 – Noise Monitoring Locations & Results

- Monitoring Result
- Monitoring Location

Table 1. Monitoring Location: NCA 02 - (HEX000630) 28 m north-east of 57A Ewart Ln, Dulwich Hill NSW 2203.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|------------|-----------------------|---------------------------------------|--|---|---|-----------|--|
| 1 | 12/01/2025 | Day 08:00 to 18:00 | PSD/MGF electrical and grouting works | <ul style="list-style-type: none">Handheld powered and non-powered tools | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified:<div><div>12/01/2025 7:4558Aircraft</div><div>12/01/2025 9:3057Aircraft</div><div>12/01/2025 10:0066ARTC Train</div><div>12/01/2025 11:0061Aircraft</div><div>12/01/2025 11:3060Aircraft</div><div>12/01/2025 12:1556Aircraft</div><div>12/01/2025 12:4559Aircraft</div><div>12/01/2025 13:0059Aircraft</div><div>12/01/2025 13:3060ARTC Train</div><div>12/01/2025 15:1562Aircraft</div><div>12/01/2025 16:0055Aircraft</div><div>12/01/2025 16:3062Aircraft</div><div>12/01/2025 17:0062Aircraft</div><div>12/01/2025 18:0061Aircraft</div></div>Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 25.5 m from the source of the noise and sensitive receiver being 33.5 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 61. | 58 | Y | <ul style="list-style-type: none">RBL: 38 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Day shift works) didn't trigger offers for additional mitigation measures.Actual construction related noise levels (Day shift works) area did not trigger offers above the Respite limit.Appropriate mitigation measures being offered.No further additional mitigation measures required |



Attachment 2 – Community Notification

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

Please refer to the following community notifications for works undertaken at the previously stated locations.

EPL 21147

R4.4 Validation Report

SWMC Final Conversion Stage-3

21. Jan & 25-27. Jan. 2025

Campsie Station lift pit pump out (21. Jan) and OHW structure installation, OHW cable dropping and pulling, Drainage Investigation, Metro Energisation Preparation (25-27. Jan)

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 | 06/02/2025 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
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Management reviews

| Review date | Details | Reviewed by |
|-------------|---------|-------------|
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Controlled: NO

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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 on

- 21st January 2025 in Week 29 (WE29), noise activity (NDD removal water from lift pit) being happened between 05:00-05:15 in the morning. Works were carried out under Condition L5.7- Utility & Local Area, Campsie Station
- 25th to 27th January 2025 in Week 30 (WE30). The possession extended from Sydenham Station to Bankstown Station on Sydney Metro and Sydney Train track.

The following activities were carried under condition L5.6 - Local Possessions;

- OHW structure installation (Marrickville Station to Sydenham Station),
- OHW cable dropping and pulling (Marrickville Station to Sydenham Station),
- Drainage Investigation (Marrickville Station to Sydenham Station),
- Metro Energisation Preparation (Bankstown Station to Sydenham Station),

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

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

WE29 Campsie (21st January 2025):

- NDD removal water from lift pit
 - Vacuum Truck

WE30 Sydenham Station to Bankstown Station (25th to 27th January 2025):

- OHW structure installation (Marrickville Station to Sydenham Station),
 - Light vehicles
 - Trucks
 - Payloader
 - Handheld powered tools
 - EWP/telehandler
 - Site lights
- OHW cable dropping and pulling (Marrickville Station to Sydenham Station),
 - Light vehicles
 - Trucks
 - Payloader
 - Handheld powered tools
 - EWP/telehandler
 - Site lights

- Drainage Investigation (Marrickville Station to Sydenham Station),
 - Vacuum Truck
- Metro Energisation Preparation (Bankstown Station to Sydenham Station),
 - Light vehicles
 - Handheld battery powered tools

2. A copy of the community notification required under Condition L5.12

A copy of the community notification required under Condition L5.12 is appended as Attachment 2.

3. Noise monitoring as required by L5.8(d)

WE29 works noise monitoring was carried out at the following locations along the project corridor.

- A. NCA 06 Noise Monitor (HEX-000516) is 6 m North of 13-15 Anglo Rd, Campsie 2194
 - Noise Monitor is 58 m from the source of the noise
 - Sensitive Receiver is 59 m from the source of the noise

WE30 works noise monitoring was carried out at the following locations along the project corridor.

- B. NCA SSJ Noise Monitor (HEX-000758) is 88 m SE of 133 Meeks Road, Marrickville 2204
 - Noise Monitor is 17 m from the source of the noise
 - Sensitive Receiver is 95 m from the source of the noise
- C. NCA SSJ Noise Monitor (HEX-000421) is 146 m W of 110 Railway Rd, Sydenham 2044
 - Noise Monitor is 6 m from the source of the noise
 - Sensitive Receiver is 147 m from the source of the noise
- D. NCA SSJ Noise Monitor (HEX-000630) is 20 m SW of 29 Bridge St, Tempe 2044
 - Noise Monitor is 4 m from the source of the noise
 - Sensitive Receiver is 21 m from the source of the noise

Refer to attachment 1 for Monitoring Locations.

E. Details of any exceedances of predicted noise levels;

Throughout the OOH works carried out between WE29 and WE20, there were no exceedances of the noise predictions due to construction activity.

F. 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:

- 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.

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

The works carried out between WE29 were completed under L5.7 (OOHW – Utility & Local Area) as the relevant road network operator 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. An ROL was granted for both works.

The works carried out on WE30 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 L5.6 (Local Possession). 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.

Construction activities occurring within the rail corridor/danger zone can only be safely conducted during a rail possession during the absence of trains.

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 L5.6 & L5.7 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 – Noise Monitoring Locations & Results

- Monitoring Result
- Monitoring Locations

Table 1. Monitoring Location A: NCA 06 Noise Monitor (HEX-000516), 6 m North of 13-15 Anglo Rd, Campsie 2194

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|------------|-------------------------|-----------------------------|--|---|---|-----------|---|
| 1 | 21/12/2024 | Night 05:00 to 05:15 | Removal water from lift pit | <ul style="list-style-type: none">Vacuum Truck | <ul style="list-style-type: none">LAeq in period at Monitoring Location is 60Excluding the following non-construction related event being identified: 21/01/2025 05:15 60 ARTC TrainAmbient LAeq (no construction activity) at Monitoring Location is following: 21/01/2025 0:00 61 21/01/2025 0:15 64 21/01/2025 0:30 66 21/01/2025 0:45 61 21/01/2025 1:00 60 21/01/2025 1:15 59 21/01/2025 1:30 59 21/01/2025 1:45 62 21/01/2025 2:00 59 21/01/2025 2:15 61 21/01/2025 2:30 58 21/01/2025 2:45 59 21/01/2025 3:00 59 21/01/2025 3:15 59 21/01/2025 3:30 60 21/01/2025 3:45 60 21/01/2025 4:00 59 21/01/2025 4:15 58 21/01/2025 4:30 57 21/01/2025 4:45 61 21/01/2025 5:00 61 21/01/2025 5:30 59 21/01/2025 5:45 62 21/01/2025 6:00 66 21/01/2025 6:15 61 21/01/2025 6:30 61 21/01/2025 6:45 58The noise detected during the construction period (21/01/2025 05:15 60) with ARTC Train impact is consistent with the Ambient LAeq level.No construction noise impact to the sensitive receiver. | 41 | Y | <ul style="list-style-type: none">RBL: 35 dBAThe noise detected during the construction period (05:00 to 05:15) with ARTC Train impact is consistent with the Ambient LAeq level.Construction noise didn't introduce additional impact to the Ambient noise level at the monitoring location.Predicted noise levels (Night shift works) in this area not triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 2. Monitoring Location B: NCA SSJ Noise Monitor (HEX-000758), 88 m SE of 133 Meeks Road, Marrickville 2204.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|---|---|-----------|--|
| 1 | 25/01/2025 To 26/01/2025 | Night 22:00 to 7:00 (Modelled from 18:00 to 7:00) | General OHW related construction activities | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified:<div><div>25/01/2025 22:1563Aircraft</div><div>25/01/2025 22:4565Aircraft</div><div>25/01/2025 23:1566ARTC Train</div><div>26/01/2025 0:1567ARTC Train</div><div>26/01/2025 0:3059ARTC Train</div><div>26/01/2025 1:0058ARTC Train</div><div>26/01/2025 1:4564ARTC Train</div><div>26/01/2025 3:1560ARTC Train</div><div>26/01/2025 4:0068ARTC Train</div><div>26/01/2025 4:3067ARTC Train</div><div>26/01/2025 5:0067ARTC Train</div><div>26/01/2025 5:4558ARTC Train</div><div>26/01/2025 6:1566ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 61 | 65 | Y | <ul style="list-style-type: none">RBL: 40 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 26/01/2026 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>26/01/2025 7:3067ARTC Train</div><div>26/01/2025 8:1571ARTC Train</div><div>26/01/2025 9:3063ARTC Train</div><div>26/01/2025 10:0069ARTC Train</div><div>26/01/2025 10:1563ARTC Train</div><div>26/01/2025 11:0059ARTC Train</div><div>26/01/2025 11:4560ARTC Train</div><div>26/01/2025 13:1568ARTC Train</div><div>26/01/2025 14:1557ARTC Train</div><div>26/01/2025 15:1560ARTC Train</div><div>26/01/2025 19:0066ARTC Train</div><div>26/01/2025 20:1568ARTC Train</div><div>26/01/2025 21:1566ARTC Train</div><div>26/01/2025 22:0068ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 66 | 67 | Y | <ul style="list-style-type: none">RBL: 47 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 25/01/2025 To 26/01/2025 | Night 22:00 to 7:00 (Modelled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>26/01/2025 23:3059ARTC Train</div><div>27/01/2025 0:1566ARTC Train</div><div>27/01/2025 1:1571ARTC Train</div><div>27/01/2025 2:0054ARTC Train</div><div>27/01/2025 2:3065ARTC Train</div><div>27/01/2025 4:0064ARTC Train</div><div>27/01/2025 5:0065ARTC Train</div><div>27/01/2025 6:0059ARTC Train</div><div>27/01/2025 6:1556Aircraft</div><div>27/01/2025 6:3063Aircraft</div></div>Construction related LAeq in period at Monitoring Location is 66Due to the monitoring location being 17 m from the source of the noise and sensitive receiver being 95 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 51. | 65 | Y | <ul style="list-style-type: none">RBL: 40 dBAThe calculated construction related highest LAeq in work period (51 dBA) is lower than the predicted level (65 dBA)Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 26/01/2026 | Day 08:00 to 18:00 | | <ul style="list-style-type: none">Light vehiclesTrucksPayloaderHandheld powered toolsEWP/telehandlerSite lights | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div><div>27/01/2025 7:1564Aircraft</div><div>27/01/2025 7:3065Aircraft</div><div>27/01/2025 8:0060ARTC Train</div><div>27/01/2025 8:3067ARTC Train</div><div>27/01/2025 9:0058Aircraft</div><div>27/01/2025 9:1560Aircraft</div><div>27/01/2025 9:3064ARTC Train</div><div>27/01/2025 9:4568Aircraft</div><div>27/01/2025 10:1567Aircraft</div><div>27/01/2025 10:3058Aircraft</div><div>27/01/2025 11:0063ARTC Train</div><div>27/01/2025 11:1563Aircraft</div><div>27/01/2025 11:3063Aircraft</div><div>27/01/2025 11:4567Aircraft</div><div>27/01/2025 12:0065Aircraft</div><div>27/01/2025 12:3066Aircraft</div><div>27/01/2025 12:4562Aircraft</div><div>27/01/2025 13:0060Aircraft</div><div>27/01/2025 13:1569Aircraft</div><div>27/01/2025 13:3066Aircraft</div><div>27/01/2025 13:4564Aircraft</div><div>27/01/2025 14:1557ARTC Train</div><div>27/01/2025 14:4565Aircraft</div><div>27/01/2025 15:0056Aircraft</div><div>27/01/2025 15:1557Aircraft</div><div>27/01/2025 15:3062Aircraft</div><div>27/01/2025 15:4565Aircraft</div><div>27/01/2025 16:0057Aircraft</div><div>27/01/2025 16:1556Aircraft</div><div>27/01/2025 16:3057Aircraft</div><div>27/01/2025 17:0063Aircraft</div><div>27/01/2025 17:3062Aircraft</div><div>27/01/2025 17:4563ARTC Train</div></div>Construction related LAeq in period at Monitoring Location is 66 | 67 | Y | <ul style="list-style-type: none">RBL: 47 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 3. Monitoring Location C: NCA SSJ Noise Monitor (HEX-000421), 146 m W of 110 Railway Rd, Sydenham 2044

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|---|---|-----------|--|
| 1 | 25/01/2025 To 26/01/2025 | Night 22:00 to 7:00 (Modelled from 18:00 to 7:00) | General OHW related construction activities | <ul style="list-style-type: none">Light vehiclesTrucksPayloaderHandheld powered toolsEWP/telehandlerSite lights | <ul style="list-style-type: none">Highest LAeq in period at Monitoring Location is 71 | 74 | Y | <ul style="list-style-type: none">RBL: 42 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 26/01/2026 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest LAeq in period at Monitoring Location is 73 | 74 | Y | <ul style="list-style-type: none">RBL: 51 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |
| 3 | 25/01/2025 To 26/01/2025 | Night 22:00 to 7:00 (Modelled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest LAeq in period at Monitoring Location is 64 | 74 | Y | <ul style="list-style-type: none">RBL: 42 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 26/01/2026 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest LAeq in period at Monitoring Location is 70 | 74 | Y | <ul style="list-style-type: none">RBL: 51 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Table 4. Monitoring Location D: NCA SSJ Noise Monitor (HEX-000630), 20 m SW of 29 Bridge St, Tempe 2044.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|--|---|-----------|--|
| 1 | 25/01/2025 To 26/01/2025 | Night 22:00 to 7:00 (Modelled from 18:00 to 7:00) | General OHW related construction activities | <ul style="list-style-type: none">Light vehiclesTrucksPayloaderHandheld powered toolsEWP/telehandlerSite lights | <ul style="list-style-type: none">Highest LAeq in period at Monitoring Location is 68 | 70 | Y | <ul style="list-style-type: none">RBL: 40 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 2 | 26/01/2026 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 71Due to the monitoring location being 4 m from the source of the noise and sensitive receiver being 21 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 57. | 69 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period (57 dBA) is lower than the predicted level (69 dBA)Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 3 | 25/01/2025 To 26/01/2025 | Night 22:00 to 7:00 (Modelled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest LAeq in period at Monitoring Location is 66 | 70 | Y | <ul style="list-style-type: none">RBL: 40 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |
| 4 | 26/01/2026 | Day 08:00 to 18:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified:<div><div>27/01/2025 7:3062Aircraft</div><div>27/01/2025 8:3061Aircraft</div><div>27/01/2025 9:0059Aircraft</div><div>27/01/2025 9:1563Aircraft</div><div>27/01/2025 9:4570Aircraft</div><div>27/01/2025 10:0068Aircraft</div><div>27/01/2025 10:1568Aircraft</div><div>27/01/2025 11:0065Aircraft</div><div>27/01/2025 11:1566Aircraft</div><div>27/01/2025 11:3066Aircraft</div><div>27/01/2025 11:4568Aircraft</div><div>27/01/2025 12:0066Aircraft</div><div>27/01/2025 12:1562Aircraft</div><div>27/01/2025 12:3068Aircraft</div><div>27/01/2025 12:4563Aircraft</div><div>27/01/2025 13:1569Aircraft</div><div>27/01/2025 13:3066Aircraft</div><div>27/01/2025 13:4565Aircraft</div><div>27/01/2025 14:4562Aircraft</div><div>27/01/2025 15:0057Aircraft</div><div>27/01/2025 15:1559Aircraft</div><div>27/01/2025 15:3064Aircraft</div><div>27/01/2025 15:4565Aircraft</div><div>27/01/2025 16:0057Aircraft</div><div>27/01/2025 16:1560Aircraft</div><div>27/01/2025 16:3060Aircraft</div><div>27/01/2025 17:0061Aircraft</div><div>27/01/2025 17:3061Aircraft</div><div>27/01/2025 18:0061Aircraft</div></div>Construction related LAeq in period at Monitoring Location is 67 | 69 | Y | <ul style="list-style-type: none">RBL: 41 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered |

Location A

Campsie

13-15 Anglo Rd

Noise Monitor

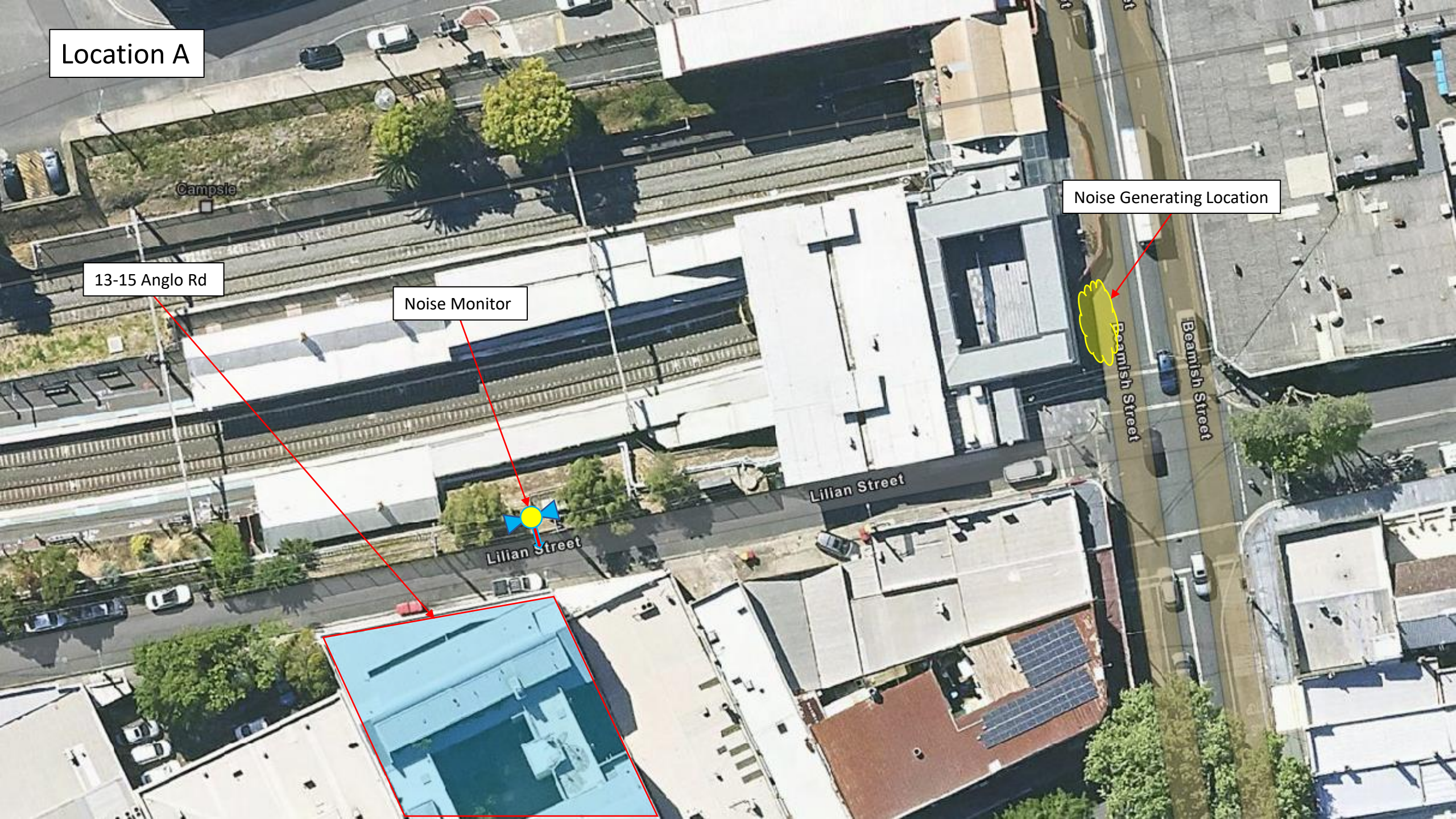
Noise Generating Location

Beamish Street

Beamish Street

Lillian Street

Lillian Street



Location B

133 Meeks Road

Noise Generating Location

Noise Monitor



Location C

Noise Generating Location

Noise Monitor

110 Railway Rd

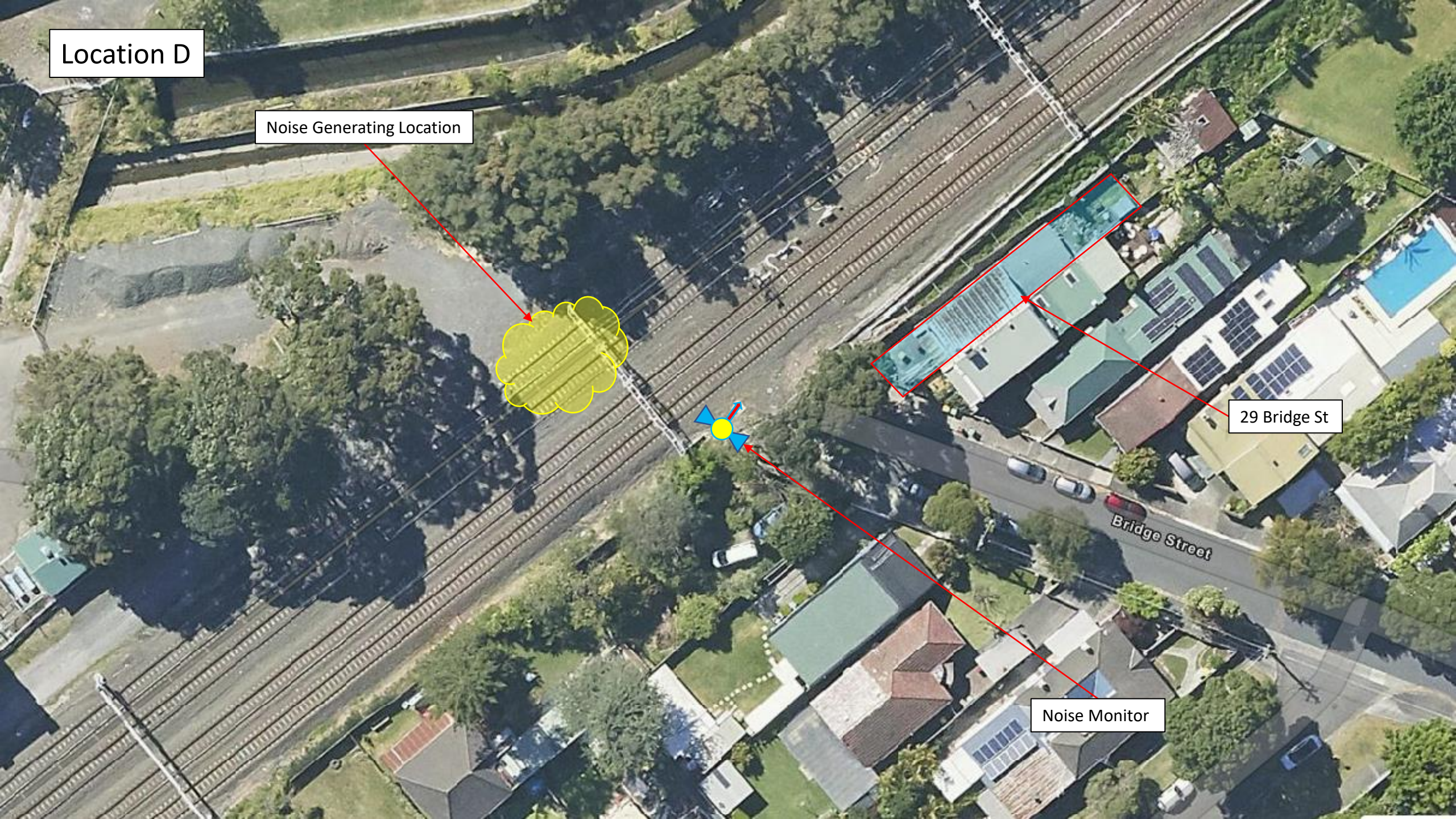


Location D

Noise Generating Location

29 Bridge St

Noise Monitor



Attachment 2 – Community Notification

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

Please refer to the following community notifications for works undertaken at the previously stated locations.

EPL 21147

R4.4 Validation Report

SWM3 Final Conversion Stage-3

17-18. Feb & 21-24. Feb. 2025

R5.6 Sydenham track grinding work (17-18. Jan) and R5.7 Bankstown bus depot service & road work (21-24. Feb)

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 | 03/03/2025 | Prepared for R4.4 | Zhengyi Zhang | Lucas Dobrolot |
| | | | | |
| | | | | |
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Management reviews

| Review date | Details | Reviewed by |
|-------------|---------|-------------|
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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 on

- 17th to 18th February 2025 in Week 33 (WE33), noise activity (track grinding) being happened between 2200 - 0700 in the engineering hours (no train) on Sydney Metro and Sydney Train track. Works were carried out under Condition L5.6 - Local Possessions.
- 21st to 24th February 2025 in Week 34 (WE34), noise activity (jack hammering, spoil loading out and concrete pumping) being happened during the following OOHW period:
 - 21st February 1800 – 22nd February 0800 (Friday Evening & Night)
 - 22nd February 1800 – 24th February 0700 (Saturday evening & night, Sunday day and Sunday evening & night)Works were carried out under ROL and in Bankstown South Terrace bus depot area. Condition L5.7- Utility & Local Area, Campsie Station applied.

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

R4.4(a) For activities permitted under Condition L5.6 & L5.7, 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:

WE33 Carrington Rd to Sydenham Station (17th February 2025):

- Track grinding
 - Track grinder

WE34 Bankstown South Terrace Bus Depot (21st to 24th February 2025):

- Road and Service Work
 - Light tower
 - Excavator
 - Jack Hammer
 - Truck & dog
 - Concrete Truck
 - Concrete Pump

2. **A copy of the community notification required under Condition L5.12**

A copy of the community notification required under Condition L5.12 is appended as Attachment 2.

3. **Noise monitoring as required by L5.8(d)**

WE33 works noise monitoring was carried out at the following locations along the project corridor.

- A. NCA SSJ Noise Monitor (HEX-000758) is 88 m SE of 133 Meeks Road, Marrickville 2204
 - Noise Monitor is 17 m from the source of the noise

- Sensitive Receiver is 95 m from the source of the noise
- B. NCA SSJ Noise Monitor (HEX-000421) is 146 m W of 110 Railway Rd, Sydenham 2044
 - Noise Monitor is 6 m from the source of the noise
 - Sensitive Receiver is 147 m from the source of the noise

WE34 works noise monitoring was carried out at the following locations along the project corridor.

- C. NCA 12 Noise Monitor (HEX-000618) is 45 m NW of 2 West Terrace, Bankstown 2200
 - Noise Monitor is 180 m from the source of the noise
 - Sensitive Receiver is 195 m from the source of the noise

Refer to attachment 1 for Monitoring Locations.

A. Details of any exceedances of predicted noise levels;

Throughout the OOH works carried out between WE33 and WE34, there were no exceedances of the noise predictions due to construction activity.

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:

- 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 WE33 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 L5.6 (Local Possession). 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.

Construction activities occurring within the rail corridor/danger zone can only be safely conducted during a rail possession during the absence of trains.

The works carried out between WE34 were completed under L5.7 (OOHW – Utility & Local Area) as the relevant road network operator 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. An ROL was granted for both works.

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 L5.6 & L5.7 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 – Noise Monitoring Locations & Results

- Monitoring Result
- Monitoring Locations

Table 1. Monitoring Location A: NCA SSJ Noise Monitor (HEX-000758), 88 m SE of 133 Meeks Road, Marrickville 2204.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|------------|-------------------------|-------------------------|---|---|---|-----------|--|
| 1 | 17/02/2024 | Night 22:00 to 05:15 | Track Grinding | <ul style="list-style-type: none">Track Grinder | <ul style="list-style-type: none">LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified::<div><div>17/02/2025 22:1566ARTC Train</div><div>18/02/2025 0:1568ARTC Train</div><div>18/02/2025 1:3066ARTC Train</div><div>18/02/2025 1:4566ARTC Train</div><div>18/02/2025 2:0065ARTC Train</div><div>18/02/2025 3:0059ARTC Train</div><div>18/02/2025 4:3061ARTC Train</div><div>18/02/2025 5:0063ARTC Train</div><div>18/02/2025 6:1556Aircraft</div><div>18/02/2025 6:3066ARTC Train</div><div>18/02/2025 7:0060Aircraft</div></div>Construction related LAeq in period at Monitoring Location is 58Due to the monitoring location being 17 m from the source of the noise and sensitive receiver being 95 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 43. | 52 | Y | <ul style="list-style-type: none">RBL: 40 dBAThe calculated construction related highest LAeq in work period (53 dBA) is lower than the predicted level (52 dBA)Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 2. Monitoring Location B: NCA SSJ Noise Monitor (HEX-000421), 146 m W of 110 Railway Rd, Sydenham 2044

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|------------|-------------------------|-------------------------|---|--|---|-----------|--|
| 1 | 17/02/2024 | Night 22:00 to 05:15 | Track Grinding | <ul style="list-style-type: none">Track Grinder | <ul style="list-style-type: none">Highest LAeq in period at Monitoring Location is 62 | 69 | Y | <ul style="list-style-type: none">RBL: 42 dBAThe construction related highest LAeq in work period is lower than the predicted level.Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered |

Table 3. Monitoring Location C: NCA 12 Noise Monitor (HEX-000618), 45 m NW of 2 West Terrace, Bankstown 2200.

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|---|--|---|---|-----------|---|
| 1 | 21/02/2025 To 22/02/2025 | Night 22:00 to 7:00 (Modelled from 18:00 to 7:00) | General OHW related construction activities | <ul style="list-style-type: none">Light vehiclesTrucksPayloaderHandheld powered toolsEWP/telehandlerSite lights | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 63Excluding the following non-construction related event being identified:<div><div>21/02/2025 22:1563Urban Traffic</div><div>21/02/2025 23:1561Urban Traffic</div><div>21/02/2025 23:3063Urban Traffic</div><div>21/02/2025 23:4562Urban Traffic</div><div>22/02/2025 0:1562Urban Traffic</div><div>22/02/2025 0:3059Urban Traffic</div><div>22/02/2025 1:4557Urban Traffic</div><div>22/02/2025 2:0057Urban Traffic</div><div>22/02/2025 3:0061Urban Traffic</div><div>22/02/2025 5:0057Urban Traffic</div><div>22/02/2025 5:1558Urban Traffic</div><div>22/02/2025 5:4559Urban Traffic</div><div>22/02/2025 6:1559Urban Traffic</div><div>22/02/2025 6:4559Urban Traffic</div></div>Construction related LAeq in period at Monitoring Location is 61Due to the monitoring location being 180 m from the source of the noise and sensitive receiver being 195 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 60. | 55 | Y | <ul style="list-style-type: none">RBL: 42 dBAThe calculated construction related highest LAeq in work period (60 dBA) is higher than the predicted level (55 dBA)Predicted noise levels (Night shift works) did not trigger offers for additional mitigation measures.The calculated construction related highest LAeq in work period did not trigger offers for additional mitigation measuresAppropriate mitigation measures being offered |
| 2 | 22/02/2025 To 23/02/2025 | Night 22:00 to 7:00 (Modelled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified:<div><div>22/02/2025 22:1566Urban Traffic</div><div>22/02/2025 22:3062Urban Traffic</div><div>22/02/2025 22:4563Urban Traffic</div><div>22/02/2025 23:0062Urban Traffic</div><div>22/02/2025 23:1563Urban Traffic</div><div>22/02/2025 23:3066Urban Traffic</div><div>22/02/2025 23:4561Urban Traffic</div><div>23/02/2025 0:0061Urban Traffic</div><div>23/02/2025 0:1561Urban Traffic</div><div>23/02/2025 0:3061Urban Traffic</div><div>23/02/2025 1:0062Urban Traffic</div><div>23/02/2025 1:1560Urban Traffic</div><div>23/02/2025 1:4559Urban Traffic</div><div>23/02/2025 2:3055Urban Traffic</div><div>23/02/2025 3:0055Urban Traffic</div><div>23/02/2025 5:3056Urban Traffic</div><div>23/02/2025 5:4557Urban Traffic</div><div>23/02/2025 6:0056Urban Traffic</div><div>23/02/2025 6:3058Animal Activity</div></div> | 55 | Y | <ul style="list-style-type: none">RBL: 42 dBAThe calculated construction related highest LAeq in work period (61 dBA) is higher than the predicted level (55 dBA)Predicted noise levels (Night shift works) did not trigger offers for additional mitigation measures.The calculated construction related highest LAeq in work period did not trigger offers for additional mitigation measuresAppropriate mitigation measures being offered |

| Reference Number | Date | Period | Construction Activities | Main source of noise | Highest LAeq in work period at Monitoring Location (dBA) | Predicted noise level LAeq, 15min at resident (dBA) | Compliant | Comments |
|------------------|--------------------------|---|-------------------------|----------------------|---|---|-----------|--|
| | | | | | <div>23/02/2025 6:4557Animal Activity</div> <ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 62Due to the monitoring location being 180 m from the source of the noise and sensitive receiver being 195 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 61. | | | |
| 3 | 23/02/2025 | Day 08:00 to 18:00 & Evening 18:00 to 22:00 | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified:<div>23/02/2025 7:0061Animal Activity</div><div>23/02/2025 8:1561Urban Traffic</div><div>23/02/2025 8:4560Urban Traffic</div><div>23/02/2025 9:1560Urban Traffic</div><div>23/02/2025 10:1561Urban Traffic</div><div>23/02/2025 10:3061Urban Traffic</div><div>23/02/2025 10:4563Urban Traffic</div><div>23/02/2025 11:0062Urban Traffic</div><div>23/02/2025 11:1564Urban Traffic</div><div>23/02/2025 11:3063Urban Traffic</div><div>23/02/2025 12:0062Urban Traffic</div><div>23/02/2025 12:1563Urban Traffic</div><div>23/02/2025 12:3062Urban Traffic</div><div>23/02/2025 12:4562Urban Traffic</div><div>23/02/2025 13:0061Urban Traffic</div><div>23/02/2025 13:1562Urban Traffic</div><div>23/02/2025 13:3061Urban Traffic</div><div>23/02/2025 14:0063Urban Traffic</div><div>23/02/2025 14:1562Urban Traffic</div><div>23/02/2025 14:3064Urban Traffic</div><div>23/02/2025 14:4562Urban Traffic</div><div>23/02/2025 15:0062Urban Traffic</div><div>23/02/2025 15:1563Urban Traffic</div><div>23/02/2025 15:3063Urban Traffic</div><div>23/02/2025 16:0063Urban Traffic</div><div>23/02/2025 16:1563Urban Traffic</div><div>23/02/2025 16:4563Urban Traffic</div><div>23/02/2025 17:0062Urban Traffic</div><div>23/02/2025 17:1563Urban Traffic</div><div>23/02/2025 18:0063Urban Traffic</div><div>23/02/2025 18:1564Urban Traffic</div><div>23/02/2025 18:3062Urban Traffic</div><div>23/02/2025 19:0063Urban Traffic</div><div>23/02/2025 19:1562Urban Traffic</div><div>23/02/2025 19:3065Urban Traffic</div><div>23/02/2025 19:4572Urban Traffic</div><div>23/02/2025 20:0064Urban Traffic</div><div>23/02/2025 20:1562Urban Traffic</div><div>23/02/2025 20:4561Urban Traffic</div><div>23/02/2025 21:1563Urban Traffic</div><div>23/02/2025 21:3062Urban Traffic</div><div>23/02/2025 21:4562Urban Traffic</div><div>23/02/2025 22:0060Urban Traffic</div>Construction related LAeq in period at Monitoring Location is 64Due to the monitoring location being 180 m from the source of the noise and sensitive receiver being 195 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 63. | 55 | Y | <ul style="list-style-type: none">RBL: 54 dBAThe calculated construction related highest LAeq in work period (63 dBA) is higher than the predicted level (55 dBA)Predicted noise levels (Night shift works) did not trigger offers for additional mitigation measures.The calculated construction related highest LAeq in work period did not trigger offers for additional mitigation measuresAppropriate mitigation measures being offered |
| 4 | 23/02/2025 To 24/02/2025 | Night 22:00 to 7:00 (Modelled from 18:00 to 7:00) | | | <ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 62Excluding the following non-construction related event being identified:<div>23/02/2025 22:3061Urban Traffic</div><div>23/02/2025 22:4562Urban Traffic</div><div>23/02/2025 23:1561Urban Traffic</div><div>23/02/2025 23:3062Urban Traffic</div><div>24/02/2025 0:1558Urban Traffic</div><div>24/02/2025 0:4559Urban Traffic</div><div>24/02/2025 2:1554Urban Traffic</div><div>24/02/2025 2:3054Urban Traffic</div><div>24/02/2025 3:3059Urban Traffic</div><div>24/02/2025 4:0058Urban Traffic</div><div>24/02/2025 6:0059Urban Traffic</div><div>24/02/2025 6:3061Urban Traffic</div>Construction related LAeq in period at Monitoring Location is 61Due to the monitoring location being 180 m from the source of the noise and sensitive receiver being 195 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 60. | 55 | Y | <ul style="list-style-type: none">RBL: 42 dBAThe calculated construction related highest LAeq in work period (60 dBA) is higher than the predicted level (55 dBA)Predicted noise levels (Night shift works) did not trigger offers for additional mitigation measures.The calculated construction related highest LAeq in work period did not trigger offers for additional mitigation measuresAppropriate mitigation measures being offered |

Location A

133 Meeks Road

Noise Generating Location

Noise Monitor



Location B

Noise Generating Location

Noise Monitor

110 Railway Rd



Location C

Noise Generating Location

Noise Monitor

2 West Terrace



Appendix C – Vibration Monitoring Data