

Sydney Metro Sydenham to Bankstown Ancillary Facility Checklist

This checklist has been generated to determine compliance under the Sydney Metro City and Southwest Sydenham to Bankstown Upgrade Planning Approval, including Conditions of Approval A16 to A19 and to assess environmental risk factors.

Assessment Name	Belmore MSB Ancillary Facility
Assessment Criteria (As determined by checklist)	A19
Location	Belmore MSB, Belmore
Prepared By	Ted Zhang
Revision	Rev03
Date required by	12/07/2023

1. Provide a description of the location, including address, and proposed use. Attached a map within Appendix A
<p>The proposed ancillary facility will be located within the land currently owned by Sydney Metro. The Laydown is within Sydney Metro land, and within the current project boundary.</p> <p>JHLOR will park a mobile caravan office (specifications is attached in Appendix B) to support the MSB construction/fitting jobs. The mobile caravan office consisting of the following unit in one enclosed body:</p> <ul style="list-style-type: none"> - Office unit - Lunch unit - Toilet unit - Generator <p>The mobile caravan will be parked on concrete hardstand within the Sydenham to Bankstown Project Boundary and the rail corridor.</p> <p>Approximately 5 staff members will use the facility at any time.</p> <p>The area will be used during standard construction hours. Any use outside of standard construction hours will be subject to an OOHW Permit.</p>
2. Landowner details
<p>Sydney Metro</p>
3. Timeframe
<p>The facility will be established in July 2023 and will be in place until March 2024. By March 2024, the proposed occupied area will be handed over to landowner.</p>



<p>4. Assessment against CoA-A16(a) Ancillary facilities that are not identified by description and location in the documents listed Condition A1 can only be established and used in each case if:</p> <p>(a) they are located within the Construction boundary of the CSSI</p>
<p>N/A – the proposed facility is a Minor ancillary facility and as such should be assessed under CoA-A19</p>
<p>5. Assessment against CoA-A16(b) (b) they are not located next to a sensitive receiver (including access roads) (unless landowners and occupiers have accepted in writing the carrying out of the relevant facility in the proposed location); and</p>
<p>N/A – the proposed facility is a Minor ancillary facility and as such should be assessed under CoA-A19</p>
<p>6. Assessment against CoA-A16(c) (c) they have no impacts on heritage items (including areas of archaeological sensitivity), and threatened species, populations or ecological communities beyond the impacts approved under the terms of this approval; and</p>
<p>N/A – the proposed facility is a Minor ancillary facility and as such should be assessed under CoA-A19</p>
<p>7. Assessment against CoA-A16(d) (d) the establishment and use of the facility can be carried out and managed within the outcomes set out in the terms of this approval, including in relation to environmental, social and economic impacts.</p>
<p>N/A – the proposed facility is a Minor ancillary facility and as such should be assessed under CoA-A19</p>
<p>8. Assessment against CoA-A17 Ancillary facilities that are not identified by description and location in the documents listed in Condition A1 and do not meet the requirements of Condition A16, can only be established and used with the approval of the Planning Secretary except where they are located within the rail corridor, in which case they may be endorsed by the ER. A review of environmental impacts must be submitted with the request for Planning Secretary’s approval or ER’s endorsement.</p>
<p>N/A – the proposed facility is a Minor ancillary facility and as such should be assessed under CoA-A19</p>
<p>9. Assessment against CoA-A18 The use of an ancillary facility for Construction must not commence until the CEMP required by Condition C1, relevant CEMP Sub-plans required by Condition C3 and relevant Construction Monitoring Programs required by Condition C8 have been approved by the Planning Secretary.</p>
<p>The facility will not be established until the CEMP, sub-plans and relevant monitoring programmes are approved.</p>
<p>10. Assessment against CoA-A19(a) Lunch sheds, office sheds, portable toilet facilities, and the like, that are not identified as an ancillary facility in the in the documents listed Condition A1, can be established where they satisfy the following criteria:</p> <p>(a) are located within the Construction boundary;</p>
<p>The facility is located within the project boundary at Belmore MSB – Refer to Appendix A - Maps</p>
<p>11. Assessment against CoA-A19(b) (b) have been assessed by the ER to have -</p>

(i) minor amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the Interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts, and visual (including light spill) impacts, and
(ii) minor environmental impact with respect to waste management and flooding, and
(iii) no impacts on biodiversity, soil and water, and heritage items beyond those already approved under other terms of this approval.

(i) Minor amenity impacts;

Noise and Vibration –

JHLOR have undertaken noise modelling under a number of scenarios (refer **Appendix B**). This includes noise levels associated with the operation of the proposed minor ancillary facility.

The MAF is planned to be occupied during standard construction hours on a daily basis. As a contingency for occasions where unforeseen activities might be necessary, the generator will need to be in operation over the night-time period to support the appliances (ie. Fridge). This also takes into consideration the accidental occasion where it is not turned off at the end of the day.

The modelling below initially represents the worst-case scenario and does not include any attenuation from the Formshield Sound Insulated Generator Enclosure (Appendix B - The specification of the Caravan) or other screening. Noise mats will be installed to further reduce the generator noise.

The generator's sound power level was calculated to be 89dB based on the generator's specifications (refer to **Appendix B**, the full load sound pressure level is 65dB at 7m without attenuation). The equipment with the closest sound power level of 94 dB was conservatively adopted in the noise model to determine the sound pressure level at the nearest sensitive receiver 50m away.

The conservative predicted noise level at the sensitive receiver (based on SWL 94dB) is 48dB (13dB above the night RBL of 35dB). The Belmore Community Centre is approximately 23m away from the source of the noise, the calculated sound power level (based on full load sound pressure level is 65dB at 7m without attenuation) at the Belmore Community Centre is 59dB (24dB above the night RBL of 35dB).

However, the eventual predicted noise level at the receiver was determined to be less than 5dB above the background noise using the following:

- A reduction of 10dB when installing standard attenuation (noise blankets) and
- An additional reduction of the internal noise levels by a further 10dB as the generator is already housed within a Formshield Sound Insulated Generator Enclosure,

As a final confirmation, this prediction will be validated through attended noise monitoring

- Day Period - Youth Community Centre
- Evening period - the Youth Community Centre
- Night Period – residential properties.

The site would also be used during possession works (i.e. outside of standard working hours). The noise modelling indicates that the noise levels would not exceed daytime and night-time noise management levels.

During possessions, works would only occur in accordance with the conditions within the JHLOR EPL 21147 and additional mitigation would be applied as per the Sydney Metro Construction Noise and Vibration Strategy.

Traffic –

The access will continue to be used by Sydney Trains on a regular basis and is therefore consistent with the current use. Parking will occur inside the rail corridor where possible. Some street parking may be used for short durations.

Dust and odour –

Proposed activities for MAF have no dust generation potential. Although there may be some localised odour associated with the ablution unit, due to the distance to the nearest receivers (about 50m) and the open nature of the area, odour impacts are unlikely

Visual impacts –

The site will be visible to residents on the Redman Parade. There will be some screening by trees. JHLOR would put shade cloth on the boundary fence to provide additional screening, in accordance with CoA-A20.

Waste –

Minimal waste is proposed to be generated. Waste will consist of office waste and food waste. Any waste will be collected in bins and brought back to the Canterbury SMC office skips for disposal. Effluent from the caravan effluent tank would be removed at regular intervals to a licenced waste facility.

Flooding –

The mobile caravan will be deployed on an existing hardstand. the contact area of the mobile caravan and the hardstand will be limited to wheels. The flooding impact and risk is nil.

Biodiversity –

No trees, plants or habitat features will be impacted during the site set-up. If required, some weeds may be cleared in the immediate vicinity of the MAF. Tree protection will be set up for any trees on the boundary of the compound area.

If tree removal or trimming is required any trees impacted will be included within the tree report prior to removal or trimming.

Soil and Water –

There is no known contamination within the area. There is no proposed soil disturbance/erosion as the unit is parked on concrete driveway.

An open swale is 10m east of the proposed ancillary facility. The MAF is not proposed to generate any erosion and sediment control issues. Nearby pits to be covered.



An Erosion and Sediment Control Plan for the area would be developed. Public roads in the vicinity of the access track will be monitored and a street sweeper utilised if any dirt tracking was to occur.

Heritage items –

There are no known indigenous or non-indigenous heritage items or archaeological areas within the vicinity of the proposed MAF location. There are no proposed ground penetration activities. The unexpected finds procedure will be utilised.

Risk Assessment

Sydney Metro Risk Matrix Enterprise Consequences

Sydney Metro Consequence Criteria are presented in three categories: Enterprise, Project Treat and Opportunity.

	ENTERPRISE CONSEQUENCES					
	C6	C5	C4	C3	C2	C1
Health and Safety	Illness, first aid or injury not requiring medical treatment.	Illness or minor injuries requiring medical treatment.	Single recoverable lost time injury or illness, alternate/restricted duties injury, or short-term occupational illness.	1-10 major injuries requiring hospitalisation and numerous days lost, or medium-term occupational illness.	Single fatality and/or 10-20 major injuries/permanent disabilities/chronic diseases.	Multiple fatalities and/or >20 major injuries/permanent disabilities/chronic diseases.
Environment	No appreciable changes to environment and/or highly localised event.	Change from normal conditions within environmental regulatory limits and environmental effects are within site boundaries.	Short-term and/or well-contained environmental effects. Minor remedial actions probably required.	Impacts external ecosystem and considerable remediation is required.	Long-term environmental impairment in neighbouring or valued ecosystems. Extensive remediation required.	Irreversible large-scale environmental impact with loss of valued ecosystems.
Disruption to Service	No appreciable changes to environment and/or highly localised event.	Minor customer disruptions (Customer volume and time impacted).	Disruptions impacting customers with customers stranded on trains or stations between 15 to 60mins.	Major disruptions affecting services with customers stranded on trains or stations for over 60mins	Line closure, asset failure or substantial disruptions affecting more than one service period (on/off peak), with network wide transport impacts	Line closure, asset failure, or substantial disruptions affecting several service periods (on/off peak), with significant network wide transport impacts
Customer Experience and Satisfaction	No appreciable changes to environment and/or highly localised event.	A stream of written complaints for more than 3 months.	A stream of written complaints for more than a year.	A substantial and sustained uplift in the rate of customer complaints (per 100,000 boardings).	A deluge of customer complaints for up to 6 months with normal background rates for the mode or service increasing by a factor of 3 or more.	A prolonged deluge of customer complaints for more than 6 months, with some normal background rates for the mode or service increasing by a factor of 10 or more.
Reputation and Public Perception	Negative article in local media. No discernible reaction/apprehension. Goodwill, confidence and trust retained.	Unease – Series of negative articles in local/state media. Confidence remains with some minor loss of goodwill or trust. Recoverable with little effort or cost. Some continuing scrutiny/attention.	Disappointment – Extended negative local/state media coverage. Confidence and trust dented but are quickly recoverable at modest cost within existing budget and resources.	Concern – Short-term negative state/national media coverage. Confidence and trust are diminished but are recoverable with time, staff effort and additional funding.	Displeasure – Extended negative state/national media coverage. Confidence and trust are damaged but recoverable at considerable cost, time and staff effort.	Outrage – Material change in the public perception of the organisation. Confidence and trust are severely damaged, possibly irreparably, and full recovery both questionable and costly.
Regulatory or Legal Breach	Low-level non-compliance with legal and/or regulatory requirement or duty by individuals or TNSW.	Minor non-compliance with legal and/or regulatory requirement or duty. Investigation and/or report to authority.	Moderate non-compliance. Subject to comment and monitoring from applicable regulator. Small fine and no disruption to services.	Systemic non-compliance/Major breach resulting in enforcement action and/or prohibition notices. Substantial fine and no disruption to services.	Substantial breach resulting in prosecution, fines and/or litigation. Licence or accreditation restricted or conditional affecting ability to operate.	Prosecution leading to imprisonment of TNSW executive. Loss of operating licence.
Management Effort	An event, the impact of which can be absorbed as part of normal activity.	An event, the impact of which can be absorbed but some additional management effort is required.	An event, the impact of which can be absorbed but much broader management effort is required.	Major event which can be absorbed, but substantial management effort is required	Severe event which requires extensive management effort but can be survived.	Catastrophic event with the clear potential to lead to the collapse of the organisation.
People	Minimal employee impact, small number of people affected. No absenteeism of key staff.	Localised employees/discipline impacted. Isolated incidence of absenteeism.	Large number of employees (<50%) and/or morale impacted. Increased absenteeism and employees looking to leave.	Majority of employees (>50%) and/or morale materially impacted. Widespread absenteeism. Key employees are looking to leave.	Majority of employees impacted (>75%). Employee morale is reduced to low. High-turnover rate. Majority of key employees are looking to leave.	All employees impacted (100%). Insufficient workforce. Employee brand significantly impaired.
Revenue/OPEX Loss/Overrun	< \$10K	\$10K - \$100K	\$100K - \$1m	\$1m - \$5m	\$5m - \$25m	>\$25m

Probability	One off event How likely?	Frequency	Repeated How often?	Likelihood		Consequence					
						Insignificant	Minor	Moderate	Major	Severe	Catastrophic
Expected to occur frequently during time of activity or project. Greater than a 90% chance of occurring.	10 times or more every year	Almost certain	L1	20	22	29	32	34	36		
Expected to occur occasionally during time of activity or project. A 75-90% chance of occurring.	1-10 times every year	Very Likely	L2	14	18	23	28	31	35		
More likely to occur than not occur during time of activity or project. A 50-75% chance of occurring.	Once each year	Likely	L3	9	12	16	24	27	33		
More likely not to occur than occur during time of activity or project. A 25-50% chance of occurring.	Once every 1 to 10 years	Unlikely	L4	6	7	11	17	25	30		
Not expected to occur during the time of activity or project. A 10-25% chance of occurring.	Once every 10 to 100 years	Very Unlikely	L5	3	4	8	13	19	26		
Not expected to ever occur during time of activity or project. Less than 10% chance of occurring.	Less than once every 100 years	Almost Unprecedented	L6	1	2	5	10	15	21		

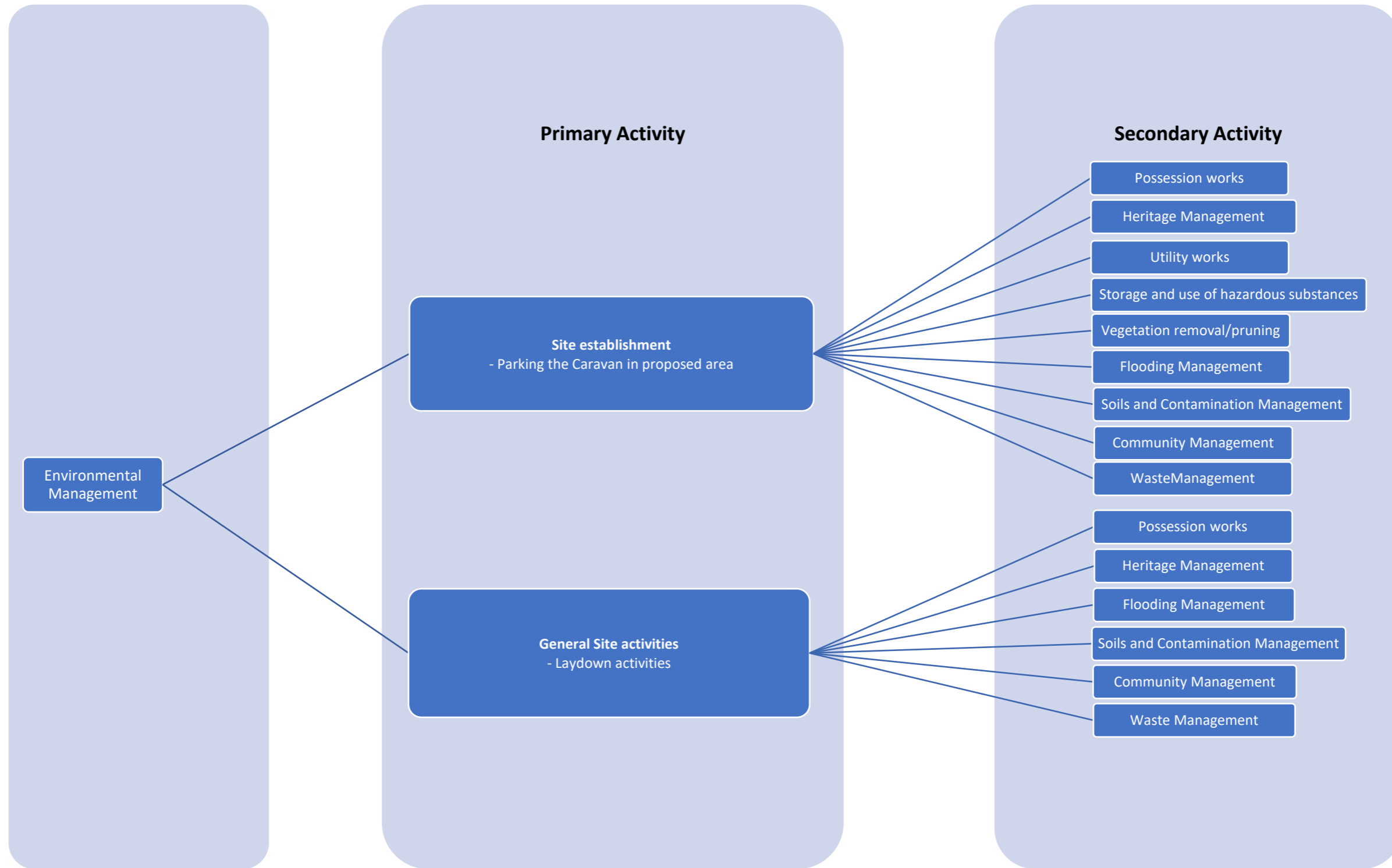
Environmental Risk Assessment Rankings

This table may be used as a guide in determining the level of risk for each environmental issue.

Risk Assessment Rankings: 31-36 = Very High; 22 - 30 = High; 11 - 21 = Medium; 1 - 10 = Low

For each identified issue, consider the 'maximum credible' (not absolute worst case) risk that could result with **minimal or no controls** other than existing and using normal construction practices.

Note: Any one of the listed consequences must result in the use of the applicable consequence grading.



IDENTIFICATION						ASSESSMENT OF CONTROLS				
No	ACTIVITY	ENVIRONMENTAL ASPECTS	ENVIRONMENTAL IMPACTS	RISK RATING			CONTROLS Note: Controls in Planning conditions and approved CEMP & Sub-plans prevail to the extent of any inconsistency with those below.	RESIDUAL RISK		
				RISK Assessment (current)				FINAL RISK Assessment (current)		
				Likelihood	Consequence	Risk Rank		Likelihood	Consequence	Risk Rank
By activity										
1	Environmental Management (GENERAL)	Not identifying appropriate approvals, licenses or permits required and proceeding without them.	Works delayed, infringements, prosecution, poor community relations and reputational loss, remediation work.	Unlikely	Moderate	11	<ul style="list-style-type: none"> Review the project EIS, modification and statutory documentation for requirements relevant to the BAC works. All work will not be commenced until all management plans get approved. Review EPL 21147 for conditions of work 	Very unlikely	Moderate	8
		Review / Approval	Timeliness of approval documentation being provided and time in day to complete all tasks	Unlikely	Moderate	11	<ul style="list-style-type: none"> Active collaboration. Meeting (fortnightly and monthly meeting). Open communication. Prioritisation, 	Very unlikely	Moderate	8
2	Site establishment	Visual amenity	Light spill occurring during possession / OOHW periods, resulting in complaints.	Unlikely	Moderate	11	<ul style="list-style-type: none"> Toolbox talks. Site inspections. Implementation of Visual Amenities Management Plan (VAMP) – Rev04. 	Very unlikely	Moderate	8
		Appropriate selection and management of the ancillary facilities	Inadequate assessment of impacts to surrounding business and residential receivers and environmental receptors. Potential for complaints.	Unlikely	Moderate	11	<ul style="list-style-type: none"> Appropriate notification. Initial selection of sites. Approval process. 	Very unlikely	Moderate	8
		AF / MAF being installed improperly or not in compliance with planning approval	non-compliances. Timing delays for applications	Unlikely	Moderate	11	<ul style="list-style-type: none"> Toolbox talks. Approval process though checklists etc. Training. Planning meetings. Inspections 	Very unlikely	Moderate	8
3	General Site activities	General construction traffic disturbing public access between local roads, pedestrian and cyclist access	Disturbance to local residents resulting in complaints being made, limited access, potential for delays at local road access points resulting in complaints.	Likely	Minor	12	<ul style="list-style-type: none"> Implement the Construction Traffic Management Plan (CTMP) Scheduled road movements shall be minimised where possible Approved Traffic Management Plans in consultation with relevant authorities. Approved access routes, detailed Traffic Control Plans. Clear notifications / signage. Any vehicles will obey the road rules, including restrictions around school zones. Where possible, vehicles movements will be minimised during school zone restricted speed times. 	Unlikely	Minor	7
		Exhaust from plant and equipment.	Emissions resulting in air pollution.	Unlikely	Major	17	<ul style="list-style-type: none"> Implement the CEMP and sub-plans Toolbox training on Dust and Air Quality Management. Well maintained plant/ equipment and pre-start checks and servicing. Non-complaint vehicles removed from site / repaired. 	Almost unprecedented	Major	10
		Noise and vibration from general construction activities resulting in impact to residents	Disturbance to residents or neighbouring businesses. Potential for complaints.	Unlikely	Moderate	11	<ul style="list-style-type: none"> No sensitive receivers (Residential) within the immediate vicinity. Closest resident (22 Redman Parade, Belmore NSW 2192) is 50m north across the Redman Parade. Plant movement and operating should follow CNVMP. Implement the CEMP and sub-plans Toolbox training on noise generation Implement noise mitigation strategies for out of standard hours work. Monitor noise for compliance to project goals. Obtain Out of Hours Work Approval as required No vibratory works will occur. 	Very unlikely	Moderate	8

4	Possession works	Out of hours works	Scope or scheduling not appropriately assessed, resulting in louder than anticipated outcomes or non-compliances Construction team not providing the scope of works in time for appropriate noise modelling to be undertaken	Unlikely	Major	17	<ul style="list-style-type: none"> No high noise impact activities proposed during possession. Noise modelling in Appendix B shows low noise impact (No sensitive receivers affected exceeding 74dB according EPL). Ability to change scope of works and impact on modelling, competent environmental staff, walk with PMs (checking lighting requirement, plant/equipment needs checks...etc.) 	Almost unprecedented	Major	10
		OOHW Application Submission	Lateness of application, resulting in approval delays.	Very unlikely	Major	13	<ul style="list-style-type: none"> Ensure submission deadlines are met and reviews are undertaken in a timely manner 	Almost unprecedented	Major	10
5	Heritage	Unexpected finds	Work delays, additional studies, approvals required, damage to heritage item.	Very unlikely	Moderate	8	<ul style="list-style-type: none"> The proposed area is outside of the heritage management area. No excavation is proposed. General inductions toolbox training on heritage management protocols. Label any known heritage items on Environmental Control Maps. If suspected heritage item encountered. Works to stop immediately and implement the Sydney Metro Unexpected Heritage Finds Procedure (refer to CHMP). Clearly highlight no-go zones on the ECM and communicate requirements to construction personnel during pre-start briefs, inductions and tool-box talks. 	Almost unprecedented	Moderate	5
6	Utility works	Utility management	Service strike leading to environmental degradation (The caravan is a standalone MAF, no connections to external service)	Unlikely	Moderate	11	<ul style="list-style-type: none"> No excavation is proposed. No stockpiling is proposed. Implement a Permit to Disturb Induction and toolbox talks Detailed Site Survey to be managed by an appropriately qualified surveyor. 	Very unlikely	Moderate	8
7	Storage and use of hazardous substances	Storage of hazardous substances, leaking plant and equipment and spillage from refuelling.	Localised ground contamination / pollution of stormwater and requiring clean-up and/or receiving fines. Risk of igniting volatile substances. Unauthorised access to site / potential vandalism/damage leading to pollution.	Likely	Moderate	16	<ul style="list-style-type: none"> No hazardous substances storage onsite Induction, toolbox talks and training on appropriate handling and storage of liquids. All storm water drains should be identified prior to works and protection installed. Training in use of spill kits. Contingency plans would be developed to deal with any spills which might occur during Construction. Ensure all work sites are secure before leaving the site. All liquids i.e. paint etc. are to be securely locked away at the end of each day 	Very unlikely	Moderate	8
8	Vegetation removal/pruning	Vegetation trimming /clearing required outside approved work area	Unauthorised works / removal of vegetation outside defined work area, possibility of removing threatened species, fines incurred. (No TEC zone or tree within or close to proposed caravan parking area (refer to Appendix A))	Likely	Minor	12	<ul style="list-style-type: none"> No tree clearing/removal is proposed. Implements the measures within the Construction Environmental Management Plan Implement a Vegetation Removal and Trimming Permit system Identify all sensitive areas, sign post and demarcate Establish tree protection zones An ecologist is to undertake a pre-clearance survey of all vegetation to be removed. An ecologist is to be present during the removal of native vegetation or fauna habitat. 	Very unlikely	Minor	4
9	Flooding	Flooding	Flood waters impacting the laydown. Flood catchment volume reduced	Unlikely	Moderate	11	<ul style="list-style-type: none"> Sydney Metro Flood modelling indicates that the proposed area is not subject to flooding in the 1%AEP event. The nearby channel has sufficient capacity. Proposed activity will not increase the site's flood potential. Items are not to be stored within overland flow paths such as drains and swales Monitoring of extreme weather events Removal of equipment and materials out of potential flood areas 	Very unlikely	Moderate	8

10	Soils and Contamination	Soils and contamination	Encountering contamination Creating contamination through utility works Acid Sulphate Soils	Unlikely	Moderate	11	<ul style="list-style-type: none"> No excavation is proposed. No stockpiling is proposed. 	Very unlikely	Moderate	8
11	Waste	Waste Spoil	Incorrect disposal	Unlikely	Moderate	11	<ul style="list-style-type: none"> No excavation is proposed. No stockpiling is proposed. 	Very unlikely	Moderate	8
		Waste Materials	Poor housekeeping Waste storage	Unlikely	Moderate	11	<ul style="list-style-type: none"> Implement CEMP and sub-plans Segregate waste as appropriate, unless waste contractor utilises a sorting facility 	Very unlikely	Moderate	8
		Dust	Wind and water erosion causing sediment dispersion offsite.	Unlikely	Moderate	11	<ul style="list-style-type: none"> No excavation is proposed. No stockpiling is proposed. Block the drainage within the proposed caravan parking area 	Very unlikely	Moderate	8
12	Community	General worker behaviour	Inappropriate worker behaviour (i.e. smoking outside of designated zones, worker parking, work interacting with the community), resulting in complaints	Likely	Minor	12	<ul style="list-style-type: none"> Toolbox, talks, inspection and supervision. Designated smoking areas / ashtray. Implement the Construction Traffic Management Plan (CTMP) – Worker Car Parking Strategy, worker's car can be only park at corridor side. Internal and external communications with contractor. Inductions 	Very unlikely	Minor	4
		Avoidable complaints	Inappropriate environmental controls being in place. Truck idling, Working Parking, resulting in completion.	Unlikely	Moderate	11	<ul style="list-style-type: none"> Toolbox, talks, inspection and supervision. Inductions. Pre-possession inspections. Lessons Learnt. Team meetings. Traffic controls for parking idling. Dilapidation surveys. Selection of plant prior to works occurring. Utilisation of monitoring data. Implementation of CEMP and sub-plans. 	Very unlikely	Moderate	8
		Management of complaints	Complaints not been captured or actioned in an appropriate timeframe	Very unlikely	Moderate	8	<ul style="list-style-type: none"> Site good at notifying comms team of issues that might result in complaints (proactive approach). Active and open channel of communication between contractor and Sydney Metro. Use of on call resources. Review of complaints line. 	Almost unprecedented	Moderate	5



Endorsement

Prepared by	Zhengyi Zhang	Reviewed by	Lucas Dobrolot
Signature		Signature	
Date	05/07/2023	Date	05/07/2023

Environmental Representative Endorsement

Endorsed by	Brett McLennan
Signature	
Date	13 July 2023

Details of any conditional approval
<ul style="list-style-type: none"> - Validation monitoring results to be provided to SM and ER within 48 hours of commissioning MAF - Smoking facilities/area is to be positioned as far as practical from the Youth Centre - Drainage pits are to be investigated to confirm if they flow into the Onsite Stormwater Detention tank and if the OSD is suitable for spills from the MAF then drainage should be kept free flowing. Suggest putting controls at the sewerage pump out point in case of overflow into the open swale

Appendix A – Map



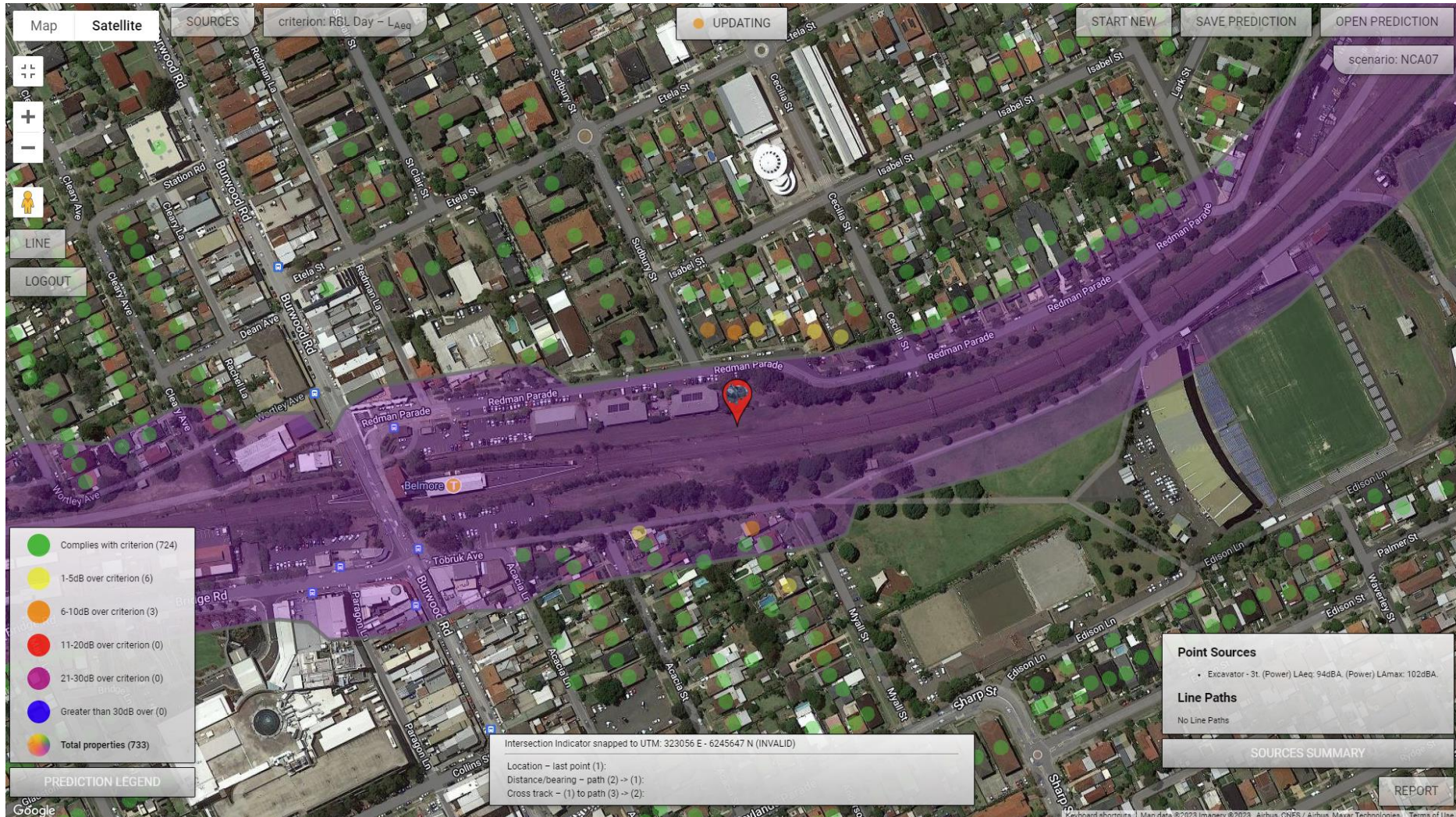


Appendix B – Supporting Documentation

Noise Assessment

Note: The generator's sound power level was calculated to be 89dB based on the generator's specifications (the full load sound pressure level is 65dB at 7m without attenuation). The equipment with the closest sound power level of 94 dB was conservatively adopted in the noise model to determine the sound pressure level at the nearest sensitive receiver 50m away.

Day time model



Noise Impact Assessment

Project: Sydenham to Bankstown

Client: Sydney Metro

Scenario/Stage: NCA07

Start of project; terrain as existing.

RBL Day – L_{Aeq}

Times: 0700h - 1759h







Point Sources

Source	Sound Power Level (SPL) (dBA)	Location (Lat-Lon, WGS84)
Excavator - 3t	(Power) L_{Aeq} : 94dBA. (Power) L_{Amax} : 102dBA.	E 151°5'26.70", S 33°55'0.67"

Line Sources

Line Path	Path Speed ($km.h^{-1}$)	Source	Sound Power Level (SPL) (dBA)	Movements (h^{-1})
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Buildings

<i>Map Colour</i>	<i>Exceedance Band</i>	<i>Count Of Buildings</i>
	Complies with criterion	724
	1-5dB over criterion	6
	6-10dB over criterion	3
	11-20dB over criterion	0
	21-30dB over criterion	0
	Greater than 30dB over	0

Buildings - Details

<i>Building</i>	<i>Predicted Level (dBA)</i>	<i>Criterion – L_{Aeq} (dBA)</i>	<i>Exceedance (dBA)</i>
1 Myall Street (Residential)	48	41	7
23 Redman Parade (Residential)	47	41	6
22 Redman Parade (Residential)	47	41	6
21 Redman Parade (Residential)	46	41	5
20 Redman Parade (Residential)	45	41	4
19 Redman Parade (Residential)	44	41	3
2 Acacia Street (Residential)	42	41	1
18 Redman Parade (Residential)	42	41	1
4 Myall Street (Residential)	42	41	1
5 Myall Street (Residential)	41	41	0
2 Acacia Street (Residential)	41	41	0
98 Lakemba Street (Residential)	4	41	-
98 Campsie Street (Residential)	10	41	-
98 Bridge Road (Residential)	13	41	-
97-103 Campsie Street (Residential)	15	41	-
96 Lakemba Street (Residential)	3	41	-
96 Campsie Street (Residential)	11	41	-
96 Bridge Road (Residential)	11	41	-
94 Lakemba Street (Residential)	2	41	-
94 Campsie Street (Residential)	11	41	-
94 Bridge Road (Residential)	8	41	-
93-95 Campsie Street (Residential)	14	41	-
92 Lakemba Street (Residential)	4	41	-
92 Campsie Street (Residential)	11	41	-
90 Lakemba Street (Residential)	3	41	-
90 Campsie Street (Residential)	12	41	-
90 Bridge Road (Residential)	6	41	-
9 Redman Parade (Residential)	29	41	-
9 Redman Parade (Residential)	22	41	-
9 Railway Parade (Residential)	10	41	-
9 Palmer Street (Residential)	7	41	-
9 Oxford Street (Residential)	6	41	-
9 Myall Street (Residential)	18	41	-
9 Loftus Street (Residential)	5	41	-
9 Leylands Parade (Residential)	17	41	-
9 Isabel Street (Residential)	12	41	-
9 Hall Street (Residential)	14	41	-
9 Hall Street (Residential)	11	41	-
9 Gladstone Street (Residential)	7	41	-
9 Edison Street (Residential)	19	41	-
9 Edison Street (Residential)	13	41	-
9 Cleary Avenue (Residential)	12	41	-
9 Cecilia Street (Residential)	17	41	-
9 Brande Street (Residential)	6	41	-
9 Belmore Avenue (Residential)	7	41	-
9 Acacia Street (Residential)	24	41	-
9 Acacia Street (Residential)	17	41	-
8A Brande Street (Residential)	4	41	-
89 Campsie Street (Residential)	14	41	-
89 Campsie Street (Residential)	14	41	-
88 Lakemba Street (Residential)	3	41	-
88 Campsie Street (Residential)	11	41	-
88 Bridge Road (Residential)	8	41	-
88 Bridge Road (Residential)	12	41	-
88 Anglo Road (Residential)	19	41	-
87 Campsie Street (Residential)	14	41	-
87 Campsie Street (Residential)	14	41	-
86 Lakemba Street (Residential)	4	41	-
86 Bridge Road (Residential)	14	41	-

86 Bridge Road (Residential)	7	41	-
86 Anglo Road (Residential)	18	41	-
85 Campsie Street (Residential)	14	41	-
84 Lakemba Street (Residential)	4	41	-
84 Campsie Street (Residential)	12	41	-
84 Bridge Road (Residential)	8	41	-
84 Anglo Road (Residential)	17	41	-
83 Campsie Street (Residential)	14	41	-
83 Anglo Road (Residential)	17	41	-
83 Anglo Road (Residential)	17	41	-
82 Lakemba Street (Residential)	7	41	-
82 Bridge Road (Residential)	20	41	-
82 Anglo Road (Residential)	18	41	-
82 Amy Street (Residential)	19	41	-
81-81A Anglo Road (Residential)	17	41	-
81 Anglo Road (Residential)	17	41	-
80 Campsie Street (Residential)	14	41	-
80 Bridge Road (Residential)	11	41	-
80 Anglo Road (Residential)	19	41	-
80 Amy Street (Residential)	20	41	-
8 Railway Parade (Residential)	8	41	-
8 Peel Street (Residential)	4	41	-
8 Oxford Street (Residential)	5	41	-
8 Myall Street (Residential)	21	41	-
8 Loftus Street (Residential)	11	41	-
8 Lincoln Street (Residential)	8	41	-
8 Lincoln Street (Residential)	7	41	-
8 Lincoln Street (Residential)	7	41	-
8 Lark Street (Residential)	17	41	-
8 Isabel Street (Residential)	13	41	-
8 Isabel Street (Residential)	11	41	-
8 Harcourt Avenue (Residential)	14	41	-
8 Hall Street (Residential)	17	41	-
8 Brande Street (Residential)	5	41	-
8 Belmore Avenue (Residential)	8	41	-
8 Acacia Street (Residential)	25	41	-
79 Anglo Road (Residential)	17	41	-
78 Bridge Road (Residential)	8	41	-
78 Anglo Road (Residential)	17	41	-
78 Anglo Road (Residential)	18	41	-
78 Anglo Road (Residential)	18	41	-
78 Amy Street (Residential)	20	41	-
77 Anglo Road (Residential)	17	41	-
77 Anglo Road (Residential)	17	41	-
76-78 Campsie Street (Residential)	14	41	-
76 Bridge Road (Residential)	14	41	-
76 Anglo Road (Residential)	17	41	-
76 Amy Street (Residential)	23	41	-
75 Anglo Road (Residential)	17	41	-
75 Amy Street (Residential)	20	41	-
74 Campsie Street (Residential)	15	41	-
74 Bridge Road (Residential)	9	41	-
74 Bridge Road (Residential)	14	41	-
74 Anglo Road (Residential)	18	41	-
74 Amy Street (Residential)	23	41	-
73 Anglo Road (Residential)	16	41	-
73 Amy Street (Residential)	20	41	-
73 Amy Street (Residential)	18	41	-
72 Campsie Street (Residential)	15	41	-
72 Bridge Road (Residential)	18	41	-
71 Anglo Road (Residential)	16	41	-
71 Anglo Road (Residential)	17	41	-
71 Amy Street (Residential)	18	41	-
70-72 Amy Street (Residential)	19	41	-
70 Bridge Road (Residential)	16	41	-

70 Bridge Road (Residential)	16	41	-
7 Waverley Street (Residential)	16	41	-
7 Waverley Street (Residential)	12	41	-
7 Redman Parade (Residential)	14	41	-
7 Railway Parade (Residential)	7	41	-
7 Peel Street (Residential)	4	41	-
7 Oxford Street (Residential)	7	41	-
7 Myall Street (Residential)	22	41	-
7 Loftus Street (Residential)	4	41	-
7 Leylands Parade (Residential)	16	41	-
7 Isabel Street (Residential)	12	41	-
7 Hall Street (Residential)	12	41	-
7 Gladstone Street (Residential)	9	41	-
7 Edison Street (Residential)	15	41	-
7 Cleary Avenue (Residential)	9	41	-
7 Cecilia Street (Residential)	18	41	-
7 Brande Street (Residential)	5	41	-
7 Belmore Avenue (Residential)	8	41	-
7 Acacia Street (Residential)	20	41	-
6A Etela Street (Residential)	7	41	-
69 Anglo Road (Residential)	17	41	-
69 Amy Street (Residential)	20	41	-
68 Bridge Road (Residential)	16	41	-
68 Anglo Road (Residential)	17	41	-
68 Amy Street (Residential)	18	41	-
67 Anglo Road (Residential)	16	41	-
67 Amy Street (Residential)	20	41	-
66 Lilian Lane (Residential)	19	41	-
66 Bridge Road (Residential)	22	41	-
66 Anglo Road (Residential)	17	41	-
66 Anglo Road (Residential)	17	41	-
65 Anglo Road (Residential)	16	41	-
65 Anglo Road (Residential)	16	41	-
63 Anglo Road (Residential)	16	41	-
63 Anglo Road (Residential)	16	41	-
63 Amy Street (Residential)	18	41	-
61 Anglo Road (Residential)	15	41	-
60 Gladstone Street (Residential)	4	41	-
6-8 Sudbury Street (Residential)	19	41	-
6 Sharp Street (Residential)	17	41	-
6 Sharp Street (Residential)	17	41	-
6 Redman Parade (Residential)	18	41	-
6 Railway Parade (Residential)	8	41	-
6 Peel Street (Residential)	4	41	-
6 Oxford Street (Residential)	5	41	-
6 Myall Street (Residential)	30	41	-
6 Loftus Street (Residential)	11	41	-
6 Lincoln Street (Residential)	13	41	-
6 Leylands Parade (Residential)	22	41	-
6 Lark Street (Residential)	17	41	-
6 Isabel Street (Residential)	16	41	-
6 Isabel Street (Residential)	15	41	-
6 Harcourt Avenue (Residential)	14	41	-
6 Hall Street (Residential)	17	41	-
6 Etela Street (Residential)	8	41	-
6 Cleary Avenue (Residential)	10	41	-
6 Brande Street (Residential)	4	41	-
6 Belmore Avenue (Residential)	7	41	-
6 Acacia Street (Residential)	31	41	-
6 Acacia Street (Residential)	24	41	-
5A Edison Street (Residential)	11	41	-
59 Etela Street (Residential)	9	41	-
59 Anglo Road (Residential)	15	41	-
59 Amy Street (Residential)	18	41	-
58 Gladstone Street (Residential)	5	41	-

58 Etela Street (Residential)	11	41	-
57 Etela Street (Residential)	10	41	-
56 Gladstone Street (Residential)	5	41	-
56 Etela Street (Residential)	11	41	-
56 Campsie Street (Residential)	14	41	-
55 Etela Street (Residential)	10	41	-
55 Etela Street (Residential)	10	41	-
55 Collins Street (Residential)	4	41	-
55 Amy Street (Residential)	18	41	-
55 Amy Street (Residential)	18	41	-
54 Gladstone Street (Residential)	5	41	-
54 Etela Street (Residential)	11	41	-
53A Etela Street (Residential)	13	41	-
53 Peel Street (Residential)	4	41	-
53 Etela Street (Residential)	15	41	-
53 Collins Street (Residential)	6	41	-
53 Collins Street (Residential)	4	41	-
53 Amy Street (Residential)	18	41	-
53 Amy Street (Residential)	18	41	-
52 Gladstone Street (Residential)	5	41	-
51 Peel Street (Residential)	4	41	-
51 Loch Street (Residential)	18	41	-
51 Collins Street (Residential)	4	41	-
51 Amy Street (Residential)	17	41	-
50 Moreton Street (Residential)	12	41	-
50 Gladstone Street (Residential)	7	41	-
5-11 Harcourt Avenue (Residential)	13	41	-
5 Waverley Street (Residential)	20	41	-
5 St Clair Street (Residential)	11	41	-
5 Redman Parade (Residential)	17	41	-
5 Railway Parade (Residential)	6	41	-
5 Peel Street (Residential)	4	41	-
5 Oxford Street (Residential)	7	41	-
5 Myall Street (Residential)	27	41	-
5 Loftus Street (Residential)	6	41	-
5 Leylands Parade (Residential)	17	41	-
5 Lark Street (Residential)	12	41	-
5 Isabel Street (Residential)	10	41	-
5 Hall Street (Residential)	14	41	-
5 Cleary Avenue (Residential)	15	41	-
5 Cecilia Street (Residential)	19	41	-
5 Butler Avenue (Residential)	15	41	-
5 Brande Street (Residential)	6	41	-
5 Belmore Avenue (Residential)	9	41	-
5 Acacia Street (Residential)	21	41	-
49-51 Etela Street (Residential)	19	41	-
49-51 Etela Street (Residential)	16	41	-
49 Peel Street (Residential)	4	41	-
49 Loch Street (Residential)	18	41	-
49 Collins Street (Residential)	8	41	-
49 Collins Street (Residential)	7	41	-
49 Amy Street (Residential)	17	41	-
49 Amy Street (Residential)	18	41	-
48 Moreton Street (Residential)	15	41	-
48 Gladstone Street (Residential)	5	41	-
48 Etela Street (Residential)	14	41	-
47 Peel Street (Residential)	15	41	-
47 Collins Street (Residential)	8	41	-
46 Gladstone Street (Residential)	7	41	-
46 Etela Street (Residential)	15	41	-
46 Etela Street (Residential)	13	41	-
45 Peel Street (Residential)	7	41	-
45 Loch Street (Residential)	20	41	-
45 Gladstone Street (Residential)	6	41	-
45 Gladstone Street (Residential)	7	41	-

45 Gladstone Street (Residential)	7	41	-
45 Gladstone Street (Residential)	10	41	-
45 Collins Street (Residential)	8	41	-
44 Moreton Street (Residential)	13	41	-
44 Gladstone Street (Residential)	7	41	-
44 Etela Street (Residential)	20	41	-
43 Peel Street (Residential)	9	41	-
43 Isabel Street (Residential)	23	41	-
43 Gladstone Street (Residential)	8	41	-
43 Collins Street (Residential)	8	41	-
42 Etela Street (Residential)	16	41	-
41 Peel Street (Residential)	12	41	-
41 Peel Street (Residential)	8	41	-
41 Loch Street (Residential)	21	41	-
41 Isabel Street (Residential)	19	41	-
41 Gladstone Street (Residential)	7	41	-
41 Collins Street (Residential)	8	41	-
40 Moreton Street (Residential)	15	41	-
40 Loftus Street (Residential)	21	41	-
40 Loftus Street (Residential)	21	41	-
40 Isabel Street (Residential)	24	41	-
40 Gladstone Street (Residential)	8	41	-
40 Etela Street (Residential)	15	41	-
4 Waverley Street (Residential)	9	41	-
4 Station Road (Residential)	6	41	-
4 St Clair Street (Residential)	8	41	-
4 Sharp Street (Residential)	14	41	-
4 Sharp Street (Residential)	15	41	-
4 Redman Parade (Residential)	17	41	-
4 Railway Parade (Residential)	7	41	-
4 Oxford Street (Residential)	11	41	-
4 Loftus Street (Residential)	11	41	-
4 Lincoln Street (Residential)	9	41	-
4 Leylands Parade (Residential)	18	41	-
4 Lark Street (Residential)	20	41	-
4 Isabel Street (Residential)	13	41	-
4 Isabel Street (Residential)	10	41	-
4 Harcourt Avenue (Residential)	14	41	-
4 Hall Street (Residential)	14	41	-
4 Etela Street (Residential)	9	41	-
4 Cleary Avenue (Residential)	15	41	-
4 Cleary Avenue (Residential)	17	41	-
4 Brande Street (Residential)	8	41	-
4 Brande Street (Residential)	6	41	-
4 Belmore Avenue (Residential)	8	41	-
4 Acacia Street (Residential)	26	41	-
39 Peel Street (Residential)	16	41	-
39 Loftus Street (Residential)	12	41	-
39 Loch Street (Residential)	21	41	-
39 Isabel Street (Residential)	19	41	-
39 Gladstone Street (Residential)	9	41	-
39 Collins Street (Residential)	8	41	-
38 Moreton Street (Residential)	11	41	-
38 Loftus Street (Residential)	20	41	-
38 Isabel Street (Residential)	24	41	-
38 Isabel Street (Residential)	23	41	-
38 Gladstone Street (Residential)	7	41	-
38 Etela Street (Residential)	14	41	-
37 Peel Street (Residential)	5	41	-
37 Loftus Street (Residential)	16	41	-
37 Loftus Street (Residential)	17	41	-
37 Isabel Street (Residential)	17	41	-
37 Gladstone Street (Residential)	8	41	-
37 Collins Street (Residential)	9	41	-
37 Belmore Avenue (Residential)	5	41	-

36 Isabel Street (Residential)	24	41	-
36 Gladstone Street (Residential)	10	41	-
36 Etela Street (Residential)	16	41	-
36 Cleary Avenue (Residential)	6	41	-
35 Peel Street (Residential)	17	41	-
35 Loch Street (Residential)	17	41	-
35 Isabel Street (Residential)	16	41	-
35 Gladstone Street (Residential)	5	41	-
35 Collins Street (Residential)	8	41	-
35 Belmore Avenue (Residential)	6	41	-
35 Belmore Avenue (Residential)	5	41	-
34 Peel Street (Residential)	16	41	-
34 Isabel Street (Residential)	21	41	-
34 Gladstone Street (Residential)	10	41	-
34 Cleary Avenue (Residential)	6	41	-
34 Belmore Avenue (Residential)	5	41	-
335-337 Burwood Road (Residential)	9	41	-
33 Peel Street (Residential)	5	41	-
33 Loch Street (Residential)	18	41	-
33 Loch Street (Residential)	19	41	-
33 Gladstone Street (Residential)	13	41	-
33 Collins Street (Residential)	9	41	-
33 Collins Street (Residential)	11	41	-
33 Belmore Avenue (Residential)	5	41	-
32-34 Loftus Street (Residential)	20	41	-
32 Peel Street (Residential)	5	41	-
32 Isabel Street (Residential)	22	41	-
32 Gladstone Street (Residential)	7	41	-
32 Cleary Avenue (Residential)	6	41	-
32 Cleary Avenue (Residential)	6	41	-
32 Belmore Avenue (Residential)	5	41	-
31-35 Loftus Street (Residential)	27	41	-
31-35 Loftus Street (Residential)	26	41	-
31 Peel Street (Residential)	8	41	-
31 Loch Street (Residential)	18	41	-
31 Gladstone Street (Residential)	13	41	-
31 Collins Street (Residential)	6	41	-
31 Collins Street (Residential)	7	41	-
31 Belmore Avenue (Residential)	9	41	-
31 Belmore Avenue (Residential)	6	41	-
30 Peel Street (Residential)	10	41	-
30 Loch Street (Residential)	16	41	-
30 Loch Street (Residential)	15	41	-
30 Isabel Street (Residential)	18	41	-
30 Gladstone Street (Residential)	7	41	-
30 Gladstone Street (Residential)	6	41	-
30 Cleary Avenue (Residential)	6	41	-
30 Brande Street (Residential)	3	41	-
3 Waverley Street (Residential)	13	41	-
3 Tudor Street (Residential)	9	41	-
3 The Boulevarde (Residential)	8	41	-
3 St Clair Street (Residential)	11	41	-
3 Redman Parade (Residential)	21	41	-
3 Railway Parade (Residential)	8	41	-
3 Peel Street (Residential)	3	41	-
3 Palmer Street (Residential)	8	41	-
3 Oxford Street (Residential)	8	41	-
3 Myall Street (Residential)	26	41	-
3 Myall Street (Residential)	26	41	-
3 Loftus Street (Residential)	6	41	-
3 Leylands Parade (Residential)	18	41	-
3 Leylands Parade (Residential)	18	41	-
3 Lark Street (Residential)	9	41	-
3 Isabel Street (Residential)	11	41	-
3 Hall Street (Residential)	16	41	-

5 Hall Street (Residential)	10	41	-
3 Edison Street (Residential)	11	41	-
3 Cleary Avenue (Residential)	10	41	-
3 Cecilia Street (Residential)	19	41	-
3 Butler Avenue (Residential)	13	41	-
3 Brande Street (Residential)	6	41	-
3 Belmore Avenue (Residential)	12	41	-
3 Acacia Street (Residential)	21	41	-
2A Waverley Street (Residential)	8	41	-
2A Loftus Street (Residential)	10	41	-
29 Peel Street (Residential)	8	41	-
29 Loch Street (Residential)	17	41	-
29 Gladstone Street (Residential)	9	41	-
29 Collins Street (Residential)	7	41	-
29 Cleary Avenue (Residential)	6	41	-
29 Belmore Avenue (Residential)	9	41	-
29 Belmore Avenue (Residential)	6	41	-
29 Acacia Street (Residential)	13	41	-
29 Acacia Street (Residential)	20	41	-
280-284 Burwood Road (Residential)	6	41	-
28-30 Loftus Street (Residential)	20	41	-
28 Peel Street (Residential)	9	41	-
28 Gladstone Street (Residential)	6	41	-
28 Gladstone Street (Residential)	9	41	-
28 Collins Street (Residential)	14	41	-
28 Cleary Avenue (Residential)	7	41	-
28 Brande Street (Residential)	4	41	-
27 Peel Street (Residential)	14	41	-
27 Oxford Street (Residential)	5	41	-
27 Loch Street (Residential)	18	41	-
27 Isabel Street (Residential)	12	41	-
27 Gladstone Street (Residential)	9	41	-
27 Collins Street (Residential)	6	41	-
27 Cleary Avenue (Residential)	6	41	-
27 Brande Street (Residential)	4	41	-
27 Belmore Avenue (Residential)	6	41	-
27 Acacia Street (Residential)	15	41	-
27 Acacia Street (Residential)	16	41	-
27 Acacia Street (Residential)	14	41	-
26 Redman Parade (Residential)	16	41	-
26 Peel Street (Residential)	13	41	-
26 Oxford Street (Residential)	5	41	-
26 Moreton Street (Residential)	13	41	-
26 Loch Street (Residential)	15	41	-
26 Loch Street (Residential)	15	41	-
26 Isabel Street (Residential)	16	41	-
26 Gladstone Street (Residential)	7	41	-
26 Collins Street (Residential)	7	41	-
26 Cleary Avenue (Residential)	7	41	-
26 Brande Street (Residential)	4	41	-
26 Belmore Avenue (Residential)	9	41	-
25A Belmore Avenue (Residential)	6	41	-
25-29 Loftus Street (Residential)	21	41	-
25 Peel Street (Residential)	7	41	-
25 Oxford Street (Residential)	5	41	-
25 Loch Street (Residential)	19	41	-
25 Isabel Street (Residential)	13	41	-
25 Gladstone Street (Residential)	6	41	-
25 Cleary Avenue (Residential)	6	41	-
25 Brande Street (Residential)	5	41	-
25 Belmore Avenue (Residential)	10	41	-
25 Acacia Street (Residential)	13	41	-
25 Acacia Street (Residential)	16	41	-
24-26 Loftus Street (Residential)	14	41	-
24-25 Redman Parade (Residential)	18	41	-

24 Peel Street (Residential)	5	41	-
24 Oxford Street (Residential)	5	41	-
24 Oxford Street (Residential)	5	41	-
24 Isabel Street (Residential)	16	41	-
24 Gladstone Street (Residential)	7	41	-
24 Collins Street (Residential)	9	41	-
24 Cleary Avenue (Residential)	8	41	-
24 Brande Street (Residential)	4	41	-
24 Belmore Avenue (Residential)	6	41	-
23A Acacia Street (Residential)	20	41	-
23A Acacia Street (Residential)	15	41	-
23 Redman Parade (Residential)	27	41	-
23 Peel Street (Residential)	4	41	-
23 Oxford Street (Residential)	7	41	-
23 Oxford Street (Residential)	5	41	-
23 Loftus Street (Residential)	18	41	-
23 Loch Street (Residential)	18	41	-
23 Gladstone Street (Residential)	12	41	-
23 Edison Street (Residential)	14	41	-
23 Cleary Avenue (Residential)	7	41	-
23 Brande Street (Residential)	4	41	-
22-24 Moreton Street (Residential)	12	41	-
22 Peel Street (Residential)	4	41	-
22 Oxford Street (Residential)	5	41	-
22 Loftus Street (Residential)	14	41	-
22 Isabel Street (Residential)	15	41	-
22 Gladstone Street (Residential)	7	41	-
22 Collins Street (Residential)	9	41	-
22 Cleary Avenue (Residential)	7	41	-
22 Brande Street (Residential)	4	41	-
22 Belmore Avenue (Residential)	6	41	-
21A Loch Street (Residential)	17	41	-
21A Loch Street (Residential)	15	41	-
21 Station Road (Residential)	6	41	-
21 Station Road (Residential)	4	41	-
21 Peel Street (Residential)	14	41	-
21 Oxford Street (Residential)	5	41	-
21 Loftus Street (Residential)	6	41	-
21 Loch Street (Residential)	13	41	-
21 Loch Street (Residential)	17	41	-
21 Isabel Street (Residential)	14	41	-
21 Hall Street (Residential)	8	41	-
21 Gladstone Street (Residential)	12	41	-
21 Edison Street (Residential)	13	41	-
21 Cleary Avenue (Residential)	9	41	-
21 Brande Street (Residential)	5	41	-
21 Belmore Avenue (Residential)	7	41	-
21 Acacia Street (Residential)	14	41	-
20-22 Loch Street (Residential)	13	41	-
20 Peel Street (Residential)	5	41	-
20 Oxford Street (Residential)	5	41	-
20 Loftus Street (Residential)	20	41	-
20 Leylands Parade (Residential)	12	41	-
20 Isabel Street (Residential)	16	41	-
20 Gladstone Street (Residential)	6	41	-
20 Collins Street (Residential)	9	41	-
20 Cleary Avenue (Residential)	7	41	-
20 Brande Street (Residential)	4	41	-
20 Belmore Avenue (Residential)	6	41	-
20 Acacia Street (Residential)	16	41	-
2-4 Sudbury Street (Residential)	24	41	-
2 The Boulevarde (Residential)	11	41	-
2 St Clair Street (Residential)	8	41	-
2 Sharp Street (Residential)	15	41	-
2 Sharp Street (Residential)	21	41	-

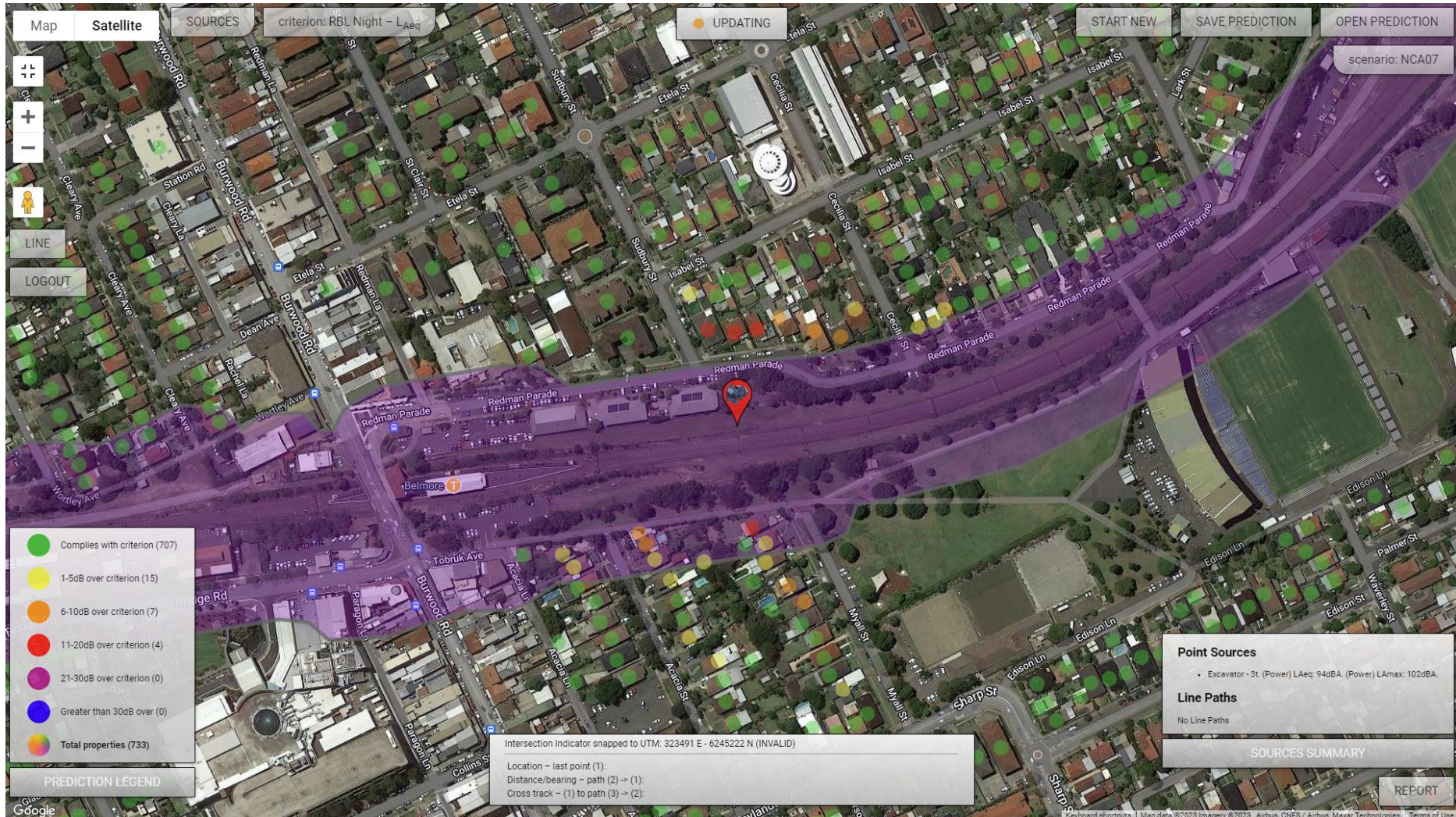
2 Sharp Street (Residential)	21	41	-
2 Redman Parade (Residential)	16	41	-
2 Railway Parade (Residential)	9	41	-
2 Oxford Street (Residential)	6	41	-
2 Myall Street (Residential)	31	41	-
2 Myall Street (Residential)	28	41	-
2 Moreton Street (Residential)	7	41	-
2 Loftus Street (Residential)	9	41	-
2 Lincoln Street (Residential)	7	41	-
2 Leylands Parade (Residential)	13	41	-
2 Lark Street (Residential)	18	41	-
2 Harcourt Avenue (Residential)	14	41	-
2 Hall Street (Residential)	11	41	-
2 Etela Street (Residential)	9	41	-
2 Brande Street (Residential)	13	41	-
1B Sudbury Street (Residential)	21	41	-
1B Redman Parade (Residential)	17	41	-
1B Redman Parade (Residential)	16	41	-
1A St Clair Street (Residential)	14	41	-
1A Cleary Avenue (Residential)	4	41	-
19 Station Road (Residential)	4	41	-
19 Peel Street (Residential)	14	41	-
19 Palmer Street (Residential)	9	41	-
19 Oxford Street (Residential)	5	41	-
19 Oxford Street (Residential)	6	41	-
19 Loftus Street (Residential)	5	41	-
19 Loch Street (Residential)	14	41	-
19 Isabel Street (Residential)	13	41	-
19 Hall Street (Residential)	10	41	-
19 Gladstone Street (Residential)	12	41	-
19 Edison Street (Residential)	19	41	-
19 Edison Street (Residential)	14	41	-
19 Cleary Avenue (Residential)	7	41	-
19 Brande Street (Residential)	4	41	-
19 Belmore Avenue (Residential)	8	41	-
18 Sudbury Street (Residential)	15	41	-
18 Peel Street (Residential)	4	41	-
18 Oxford Street (Residential)	5	41	-
18 Loch Street (Residential)	13	41	-
18 Leylands Parade (Residential)	13	41	-
18 Isabel Street (Residential)	13	41	-
18 Isabel Street (Residential)	15	41	-
18 Collins Street (Residential)	8	41	-
18 Cleary Avenue (Residential)	8	41	-
18 Brande Street (Residential)	5	41	-
18 Belmore Avenue (Residential)	7	41	-
18 Acacia Street (Residential)	16	41	-
17 Station Road (Residential)	4	41	-
17 Redman Parade (Residential)	25	41	-
17 Peel Street (Residential)	14	41	-
17 Oxford Street (Residential)	6	41	-
17 Loftus Street (Residential)	6	41	-
17 Loch Street (Residential)	12	41	-
17 Isabel Street (Residential)	13	41	-
17 Hall Street (Residential)	10	41	-
17 Hall Street (Residential)	10	41	-
17 Gladstone Street (Residential)	12	41	-
17 Edison Street (Residential)	15	41	-
17 Cleary Avenue (Residential)	8	41	-
17 Brande Street (Residential)	5	41	-
17 Belmore Avenue (Residential)	11	41	-
16 Sudbury Street (Residential)	15	41	-
16 Redman Parade (Residential)	37	41	-
16 Peel Street (Residential)	3	41	-
16 Loftus Street (Residential)	14	41	-

16 Loch Street (Residential)	12	41	-
16 Leylands Parade (Residential)	13	41	-
16 Isabel Street (Residential)	14	41	-
16 Hall Street (Residential)	11	41	-
16 Collins Street (Residential)	10	41	-
16 Cleary Avenue (Residential)	8	41	-
16 Brande Street (Residential)	5	41	-
16 Belmore Avenue (Residential)	6	41	-
16 Acacia Street (Residential)	17	41	-
16 Acacia Street (Residential)	19	41	-
15 Redman Parade (Residential)	30	41	-
15 Peel Street (Residential)	6	41	-
15 Palmer Street (Residential)	6	41	-
15 Oxford Street (Residential)	6	41	-
15 Loftus Street (Residential)	4	41	-
15 Loch Street (Residential)	12	41	-
15 Leylands Parade (Residential)	18	41	-
15 Leylands Parade (Residential)	13	41	-
15 Isabel Street (Residential)	15	41	-
15 Hall Street (Residential)	9	41	-
15 Hall Street (Residential)	9	41	-
15 Gladstone Street (Residential)	10	41	-
15 Edison Street (Residential)	15	41	-
15 Cleary Avenue (Residential)	8	41	-
15 Brande Street (Residential)	5	41	-
15 Belmore Avenue (Residential)	8	41	-
15 Acacia Street (Residential)	16	41	-
14A Isabel Street (Residential)	20	41	-
14 Redman Parade (Residential)	36	41	-
14 Peel Street (Residential)	3	41	-
14 Oxford Street (Residential)	4	41	-
14 Loftus Street (Residential)	14	41	-
14 Loftus Street (Residential)	10	41	-
14 Loch Street (Residential)	12	41	-
14 Leylands Parade (Residential)	15	41	-
14 Isabel Street (Residential)	15	41	-
14 Hall Street (Residential)	15	41	-
14 Collins Street (Residential)	10	41	-
14 Belmore Avenue (Residential)	8	41	-
14 Acacia Street (Residential)	20	41	-
131 Campsie Street (Residential)	10	41	-
13 Redman Parade (Residential)	20	41	-
13 Redman Parade (Residential)	21	41	-
13 Palmer Street (Residential)	7	41	-
13 Oxford Street (Residential)	7	41	-
13 Loftus Street (Residential)	6	41	-
13 Loch Street (Residential)	12	41	-
13 Leylands Parade (Residential)	14	41	-
13 Isabel Street (Residential)	13	41	-
13 Hall Street (Residential)	11	41	-
13 Hall Street (Residential)	10	41	-
13 Gladstone Street (Residential)	9	41	-
13 Edison Street (Residential)	12	41	-
13 Brande Street (Residential)	5	41	-
13 Acacia Street (Residential)	17	41	-
13 Acacia Street (Residential)	16	41	-
129 Campsie Street (Residential)	10	41	-
127 Campsie Street (Residential)	11	41	-
125 Campsie Street (Residential)	11	41	-
123 Campsie Street (Residential)	11	41	-
123 Campsie Street (Residential)	11	41	-
121 Campsie Street (Residential)	12	41	-
12-14 Sudbury Street (Residential)	16	41	-
12 Redman Parade (Residential)	18	41	-
12 Peel Street (Residential)	4	41	-

12 Peel Street (Residential)	7	41	-
12 Oxford Street (Residential)	5	41	-
12 Loftus Street (Residential)	9	41	-
12 Leylands Parade (Residential)	25	41	-
12 Isabel Street (Residential)	14	41	-
12 Hall Street (Residential)	13	41	-
12 Cleary Avenue (Residential)	8	41	-
12 Belmore Avenue (Residential)	8	41	-
12 Acacia Street (Residential)	25	41	-
119 Campsie Street (Residential)	11	41	-
119 Campsie Street (Residential)	11	41	-
117 Campsie Street (Residential)	11	41	-
115 Campsie Street (Residential)	11	41	-
114 Campsie Street (Residential)	11	41	-
112 Campsie Street (Residential)	7	41	-
110 Campsie Street (Residential)	6	41	-
11 Redman Parade (Residential)	30	41	-
11 Redman Parade (Residential)	21	41	-
11 Railway Parade (Residential)	7	41	-
11 Palmer Street (Residential)	8	41	-
11 Oxford Street (Residential)	5	41	-
11 Loftus Street (Residential)	14	41	-
11 Loch Street (Residential)	14	41	-
11 Leylands Parade (Residential)	13	41	-
11 Isabel Street (Residential)	15	41	-
11 Isabel Street (Residential)	11	41	-
11 Hall Street (Residential)	13	41	-
11 Hall Street (Residential)	12	41	-
11 Gladstone Street (Residential)	12	41	-
11 Gladstone Street (Residential)	11	41	-
11 Edison Street (Residential)	22	41	-
11 Edison Street (Residential)	13	41	-
11 Cleary Avenue (Residential)	12	41	-
11 Cecilia Street (Residential)	17	41	-
11 Brande Street (Residential)	5	41	-
11 Belmore Avenue (Residential)	5	41	-
11 Acacia Street (Residential)	19	41	-
10B Lincoln Street (Residential)	6	41	-
10A Lincoln Street (Residential)	6	41	-
108 Campsie Street (Residential)	6	41	-
106 Campsie Street (Residential)	6	41	-
106 Bridge Road (Residential)	10	41	-
105-111 Campsie Street (Residential)	13	41	-
104 Ninth Avenue (Residential)	13	41	-
104 Campsie Street (Residential)	4	41	-
104 Bridge Road (Residential)	6	41	-
102 Lakemba Street (Residential)	4	41	-
102 Bridge Road (Residential)	7	41	-
102 Bridge Road (Residential)	9	41	-
101-105 Bridge Road (Residential)	13	41	-
101-105 Bridge Road (Residential)	13	41	-
101-105 Bridge Road (Residential)	11	41	-
101-105 Bridge Road (Residential)	7	41	-
101-105 Bridge Road (Residential)	19	41	-
100 Ninth Avenue (Residential)	14	41	-
100 Campsie Street (Residential)	10	41	-
10 Sudbury Street (Residential)	19	41	-
10 Redman Parade (Residential)	23	41	-
10 Redman Parade (Residential)	21	41	-
10 Peel Street (Residential)	4	41	-
10 Oxford Street (Residential)	4	41	-
10 Loftus Street (Residential)	11	41	-
10 Lincoln Street (Residential)	5	41	-
10 Leylands Parade (Residential)	18	41	-
10 Isabel Street (Residential)	13	41	-

10 Hall Street (Residential)	15	41	-
10 Cleary Avenue (Residential)	7	41	-
10 Brande Street (Residential)	6	41	-
10 Belmore Avenue (Residential)	8	41	-
10 Belmore Avenue (Residential)	7	41	-
10 Acacia Street (Residential)	23	41	-
1-3 Harcourt Avenue (Residential)	13	41	-
1 Waverley Street (Residential)	18	41	-
1 Waverley Street (Residential)	13	41	-
1 Tudor Street (Residential)	7	41	-
1 The Boulevarde (Residential)	17	41	-
1 The Boulevarde (Residential)	5	41	-
1 St Clair Street (Residential)	14	41	-
1 Railway Parade (Residential)	8	41	-
1 Peel Street (Residential)	4	41	-
1 Oxford Street (Residential)	7	41	-
1 Loftus Street (Residential)	6	41	-
1 Lincoln Street (Residential)	13	41	-
1 Leylands Parade (Residential)	20	41	-
1 Lark Street (Residential)	7	41	-
1 Isabel Street (Residential)	11	41	-
1 Hall Street (Residential)	10	41	-
1 Edison Street (Residential)	14	41	-
1 Cecilia Street (Residential)	21	41	-
1 Butler Avenue (Residential)	13	41	-
1 Brande Street (Residential)	7	41	-
1 Belmore Avenue (Residential)	17	41	-
1 Acacia Street (Residential)	32	41	-
1 Acacia Street (Residential)	28	41	-

Night time model



Noise Impact Assessment

Project: Sydenham to Bankstown

Client: Sydney Metro

Scenario/Stage: NCA07

Start of project; terrain as existing.

RBL Night – LAeq

Times: 2200h - 0659h







Point Sources

Source	Sound Power Level (SPL) (dBA)	Location (Lat-Lon, WGS84)
Excavator - 3t	(Power) LAeq: 94dBA. (Power) LAmax: 102dBA.	E 151°5'26.70", S 33°55'0.67"

Line Sources

Line Path	Path Speed (km.h ⁻¹)	Source	Sound Power Level (SPL) (dBA)	Movements (h ⁻¹)
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Buildings

<i>Map Colour</i>	<i>Exceedance Band</i>	<i>Count Of Buildings</i>
	Complies with criterion	707
	1-5dB over criterion	15
	6-10dB over criterion	7
	11-20dB over criterion	4
	21-30dB over criterion	0
	Greater than 30dB over	0

Buildings - Details

<i>Building</i>	<i>Predicted Level (dBA)</i>	<i>Criterion – L_{Aeq} (dBA)</i>	<i>Exceedance (dBA)</i>
1 Myall Street (Residential)	48	35	13
23 Redman Parade (Residential)	47	35	12
22 Redman Parade (Residential)	47	35	12
21 Redman Parade (Residential)	46	35	11
20 Redman Parade (Residential)	45	35	10
19 Redman Parade (Residential)	44	35	9
2 Acacia Street (Residential)	42	35	7
18 Redman Parade (Residential)	42	35	7
4 Myall Street (Residential)	42	35	7
5 Myall Street (Residential)	41	35	6
2 Acacia Street (Residential)	41	35	6
4 Acacia Street (Residential)	40	35	5
6 Acacia Street (Residential)	40	35	5
2 Myall Street (Residential)	40	35	5
23 Redman Parade (Residential)	40	35	5
6 Acacia Street (Residential)	40	35	5
3 Myall Street (Residential)	39	35	4
1 Acacia Street (Residential)	38	35	3
3 Acacia Street (Residential)	38	35	3
3 Leylands Parade (Residential)	38	35	3
17 Redman Parade (Residential)	38	35	3
16 Redman Parade (Residential)	37	35	2
12 Acacia Street (Residential)	37	35	2
14 Acacia Street (Residential)	37	35	2
15 Redman Parade (Residential)	36	35	1
14 Redman Parade (Residential)	36	35	1
1 Cecilia Street (Residential)	35	35	0
43 Isabel Street (Residential)	35	35	0
4 Leylands Parade (Residential)	35	35	0
1 Acacia Street (Residential)	35	35	0
98 Lakemba Street (Residential)	4	35	-
98 Campsie Street (Residential)	10	35	-
98 Bridge Road (Residential)	13	35	-
97-103 Campsie Street (Residential)	15	35	-
96 Lakemba Street (Residential)	3	35	-
96 Campsie Street (Residential)	11	35	-
96 Bridge Road (Residential)	11	35	-
94 Lakemba Street (Residential)	2	35	-
94 Campsie Street (Residential)	11	35	-
94 Bridge Road (Residential)	8	35	-
93-95 Campsie Street (Residential)	14	35	-
92 Lakemba Street (Residential)	4	35	-
92 Campsie Street (Residential)	11	35	-
90 Lakemba Street (Residential)	3	35	-
90 Campsie Street (Residential)	12	35	-
90 Bridge Road (Residential)	6	35	-
9 Redman Parade (Residential)	22	35	-
9 Redman Parade (Residential)	29	35	-
9 Railway Parade (Residential)	10	35	-
9 Palmer Street (Residential)	7	35	-
9 Oxford Street (Residential)	6	35	-
9 Myall Street (Residential)	18	35	-
9 Loftus Street (Residential)	5	35	-
9 Leylands Parade (Residential)	17	35	-
9 Isabel Street (Residential)	12	35	-
9 Hall Street (Residential)	11	35	-
9 Hall Street (Residential)	14	35	-
9 Gladstone Street (Residential)	7	35	-
9 Edison Street (Residential)	13	35	-

9 Edison Street (Residential)	19	35	-
9 Cleary Avenue (Residential)	12	35	-
9 Cecilia Street (Residential)	17	35	-
9 Brande Street (Residential)	6	35	-
9 Belmore Avenue (Residential)	7	35	-
9 Acacia Street (Residential)	17	35	-
9 Acacia Street (Residential)	24	35	-
8A Brande Street (Residential)	4	35	-
89 Campsie Street (Residential)	14	35	-
89 Campsie Street (Residential)	14	35	-
88 Lakemba Street (Residential)	3	35	-
88 Campsie Street (Residential)	11	35	-
88 Bridge Road (Residential)	12	35	-
88 Bridge Road (Residential)	8	35	-
88 Anglo Road (Residential)	19	35	-
87 Campsie Street (Residential)	14	35	-
87 Campsie Street (Residential)	14	35	-
86 Lakemba Street (Residential)	4	35	-
86 Bridge Road (Residential)	7	35	-
86 Bridge Road (Residential)	14	35	-
86 Anglo Road (Residential)	18	35	-
85 Campsie Street (Residential)	14	35	-
84 Lakemba Street (Residential)	4	35	-
84 Campsie Street (Residential)	12	35	-
84 Bridge Road (Residential)	8	35	-
84 Anglo Road (Residential)	17	35	-
83 Campsie Street (Residential)	14	35	-
83 Anglo Road (Residential)	17	35	-
83 Anglo Road (Residential)	17	35	-
82 Lakemba Street (Residential)	7	35	-
82 Bridge Road (Residential)	20	35	-
82 Anglo Road (Residential)	18	35	-
82 Amy Street (Residential)	19	35	-
81-81A Anglo Road (Residential)	17	35	-
81 Anglo Road (Residential)	17	35	-
80 Campsie Street (Residential)	14	35	-
80 Bridge Road (Residential)	11	35	-
80 Anglo Road (Residential)	19	35	-
80 Amy Street (Residential)	20	35	-
8 Railway Parade (Residential)	8	35	-
8 Peel Street (Residential)	4	35	-
8 Oxford Street (Residential)	5	35	-
8 Myall Street (Residential)	21	35	-
8 Loftus Street (Residential)	11	35	-
8 Lincoln Street (Residential)	7	35	-
8 Lincoln Street (Residential)	7	35	-
8 Lincoln Street (Residential)	8	35	-
8 Lark Street (Residential)	17	35	-
8 Isabel Street (Residential)	11	35	-
8 Isabel Street (Residential)	13	35	-
8 Harcourt Avenue (Residential)	14	35	-
8 Hall Street (Residential)	17	35	-
8 Brande Street (Residential)	5	35	-
8 Belmore Avenue (Residential)	8	35	-
8 Acacia Street (Residential)	25	35	-
79 Anglo Road (Residential)	17	35	-
78 Bridge Road (Residential)	8	35	-
78 Anglo Road (Residential)	18	35	-
78 Anglo Road (Residential)	18	35	-
78 Anglo Road (Residential)	17	35	-
78 Amy Street (Residential)	20	35	-
77 Anglo Road (Residential)	17	35	-
77 Anglo Road (Residential)	17	35	-
76-78 Campsie Street (Residential)	14	35	-
76 Bridge Road (Residential)	11	35	-

76 Bridge Road (Residential)	14	35	-
76 Anglo Road (Residential)	17	35	-
76 Amy Street (Residential)	23	35	-
75 Anglo Road (Residential)	17	35	-
75 Amy Street (Residential)	20	35	-
74 Campsie Street (Residential)	15	35	-
74 Bridge Road (Residential)	14	35	-
74 Bridge Road (Residential)	9	35	-
74 Anglo Road (Residential)	18	35	-
74 Amy Street (Residential)	23	35	-
73 Anglo Road (Residential)	16	35	-
73 Amy Street (Residential)	18	35	-
73 Amy Street (Residential)	20	35	-
72 Campsie Street (Residential)	15	35	-
72 Bridge Road (Residential)	18	35	-
71 Anglo Road (Residential)	17	35	-
71 Anglo Road (Residential)	16	35	-
71 Amy Street (Residential)	18	35	-
70-72 Amy Street (Residential)	19	35	-
70 Bridge Road (Residential)	16	35	-
7 Waverley Street (Residential)	12	35	-
7 Waverley Street (Residential)	16	35	-
7 Redman Parade (Residential)	14	35	-
7 Railway Parade (Residential)	7	35	-
7 Peel Street (Residential)	4	35	-
7 Oxford Street (Residential)	7	35	-
7 Myall Street (Residential)	22	35	-
7 Loftus Street (Residential)	4	35	-
7 Leylands Parade (Residential)	16	35	-
7 Isabel Street (Residential)	12	35	-
7 Hall Street (Residential)	12	35	-
7 Gladstone Street (Residential)	9	35	-
7 Edison Street (Residential)	15	35	-
7 Cleary Avenue (Residential)	9	35	-
7 Cecilia Street (Residential)	18	35	-
7 Brande Street (Residential)	5	35	-
7 Belmore Avenue (Residential)	8	35	-
7 Acacia Street (Residential)	20	35	-
6A Etela Street (Residential)	7	35	-
69 Anglo Road (Residential)	17	35	-
69 Amy Street (Residential)	20	35	-
68 Bridge Road (Residential)	16	35	-
68 Anglo Road (Residential)	17	35	-
68 Amy Street (Residential)	18	35	-
67 Anglo Road (Residential)	16	35	-
67 Amy Street (Residential)	20	35	-
66 Lilian Lane (Residential)	19	35	-
66 Bridge Road (Residential)	22	35	-
66 Anglo Road (Residential)	17	35	-
66 Anglo Road (Residential)	17	35	-
65 Anglo Road (Residential)	16	35	-
65 Anglo Road (Residential)	16	35	-
63 Anglo Road (Residential)	16	35	-
63 Anglo Road (Residential)	16	35	-
63 Amy Street (Residential)	18	35	-
61 Anglo Road (Residential)	15	35	-
60 Gladstone Street (Residential)	4	35	-
6-8 Sudbury Street (Residential)	19	35	-
6 Sharp Street (Residential)	17	35	-
6 Sharp Street (Residential)	17	35	-
6 Redman Parade (Residential)	18	35	-
6 Railway Parade (Residential)	8	35	-
6 Peel Street (Residential)	4	35	-
6 Oxford Street (Residential)	5	35	-
6 Myall Street (Residential)	30	35	-

6 Loftus Street (Residential)	11	35	-
6 Lincoln Street (Residential)	13	35	-
6 Leylands Parade (Residential)	22	35	-
6 Lark Street (Residential)	17	35	-
6 Isabel Street (Residential)	15	35	-
6 Isabel Street (Residential)	16	35	-
6 Harcourt Avenue (Residential)	14	35	-
6 Hall Street (Residential)	17	35	-
6 Etela Street (Residential)	8	35	-
6 Cleary Avenue (Residential)	10	35	-
6 Brande Street (Residential)	4	35	-
6 Belmore Avenue (Residential)	7	35	-
5A Edison Street (Residential)	11	35	-
59 Etela Street (Residential)	9	35	-
59 Anglo Road (Residential)	15	35	-
59 Amy Street (Residential)	18	35	-
58 Gladstone Street (Residential)	5	35	-
58 Etela Street (Residential)	11	35	-
57 Etela Street (Residential)	10	35	-
56 Gladstone Street (Residential)	5	35	-
56 Etela Street (Residential)	11	35	-
56 Campsie Street (Residential)	14	35	-
55 Etela Street (Residential)	10	35	-
55 Etela Street (Residential)	10	35	-
55 Collins Street (Residential)	4	35	-
55 Amy Street (Residential)	18	35	-
55 Amy Street (Residential)	18	35	-
54 Gladstone Street (Residential)	5	35	-
54 Etela Street (Residential)	11	35	-
53A Etela Street (Residential)	13	35	-
53 Peel Street (Residential)	4	35	-
53 Etela Street (Residential)	15	35	-
53 Collins Street (Residential)	4	35	-
53 Collins Street (Residential)	6	35	-
53 Amy Street (Residential)	18	35	-
53 Amy Street (Residential)	18	35	-
52 Gladstone Street (Residential)	5	35	-
51 Peel Street (Residential)	4	35	-
51 Loch Street (Residential)	18	35	-
51 Collins Street (Residential)	4	35	-
51 Amy Street (Residential)	17	35	-
50 Moreton Street (Residential)	12	35	-
50 Gladstone Street (Residential)	7	35	-
5-11 Harcourt Avenue (Residential)	13	35	-
5 Waverley Street (Residential)	20	35	-
5 St Clair Street (Residential)	11	35	-
5 Redman Parade (Residential)	17	35	-
5 Railway Parade (Residential)	6	35	-
5 Peel Street (Residential)	4	35	-
5 Oxford Street (Residential)	7	35	-
5 Myall Street (Residential)	27	35	-
5 Loftus Street (Residential)	6	35	-
5 Leylands Parade (Residential)	17	35	-
5 Lark Street (Residential)	12	35	-
5 Isabel Street (Residential)	10	35	-
5 Hall Street (Residential)	14	35	-
5 Cleary Avenue (Residential)	15	35	-
5 Cecilia Street (Residential)	19	35	-
5 Butler Avenue (Residential)	15	35	-
5 Brande Street (Residential)	6	35	-
5 Belmore Avenue (Residential)	9	35	-
5 Acacia Street (Residential)	21	35	-
49-51 Etela Street (Residential)	16	35	-
49-51 Etela Street (Residential)	19	35	-
49 Peel Street (Residential)	4	35	-

49 Peel Street (Residential)	4	35	-
49 Loch Street (Residential)	18	35	-
49 Collins Street (Residential)	7	35	-
49 Collins Street (Residential)	8	35	-
49 Amy Street (Residential)	18	35	-
49 Amy Street (Residential)	17	35	-
48 Moreton Street (Residential)	15	35	-
48 Gladstone Street (Residential)	5	35	-
48 Etela Street (Residential)	14	35	-
47 Peel Street (Residential)	15	35	-
47 Collins Street (Residential)	8	35	-
46 Gladstone Street (Residential)	7	35	-
46 Etela Street (Residential)	13	35	-
46 Etela Street (Residential)	15	35	-
45 Peel Street (Residential)	7	35	-
45 Loch Street (Residential)	20	35	-
45 Gladstone Street (Residential)	10	35	-
45 Gladstone Street (Residential)	7	35	-
45 Gladstone Street (Residential)	6	35	-
45 Collins Street (Residential)	8	35	-
44 Moreton Street (Residential)	13	35	-
44 Gladstone Street (Residential)	7	35	-
44 Etela Street (Residential)	20	35	-
43 Peel Street (Residential)	9	35	-
43 Gladstone Street (Residential)	8	35	-
43 Collins Street (Residential)	8	35	-
42 Etela Street (Residential)	16	35	-
41 Peel Street (Residential)	8	35	-
41 Peel Street (Residential)	12	35	-
41 Loch Street (Residential)	21	35	-
41 Isabel Street (Residential)	19	35	-
41 Gladstone Street (Residential)	7	35	-
41 Collins Street (Residential)	8	35	-
40 Moreton Street (Residential)	15	35	-
40 Loftus Street (Residential)	21	35	-
40 Loftus Street (Residential)	21	35	-
40 Isabel Street (Residential)	24	35	-
40 Gladstone Street (Residential)	8	35	-
40 Etela Street (Residential)	15	35	-
4 Waverley Street (Residential)	9	35	-
4 Station Road (Residential)	6	35	-
4 St Clair Street (Residential)	8	35	-
4 Sharp Street (Residential)	15	35	-
4 Sharp Street (Residential)	14	35	-
4 Redman Parade (Residential)	17	35	-
4 Railway Parade (Residential)	7	35	-
4 Oxford Street (Residential)	11	35	-
4 Loftus Street (Residential)	11	35	-
4 Lincoln Street (Residential)	9	35	-
4 Lark Street (Residential)	20	35	-
4 Isabel Street (Residential)	10	35	-
4 Isabel Street (Residential)	13	35	-
4 Harcourt Avenue (Residential)	14	35	-
4 Hall Street (Residential)	14	35	-
4 Etela Street (Residential)	9	35	-
4 Cleary Avenue (Residential)	17	35	-
4 Cleary Avenue (Residential)	15	35	-
4 Brande Street (Residential)	6	35	-
4 Brande Street (Residential)	8	35	-
4 Belmore Avenue (Residential)	8	35	-
39 Peel Street (Residential)	16	35	-
39 Loftus Street (Residential)	12	35	-
39 Loch Street (Residential)	21	35	-
39 Isabel Street (Residential)	19	35	-
39 Gladstone Street (Residential)	9	35	-

39 Collins Street (Residential)	8	35	-
38 Moreton Street (Residential)	11	35	-
38 Loftus Street (Residential)	20	35	-
38 Isabel Street (Residential)	23	35	-
38 Isabel Street (Residential)	24	35	-
38 Gladstone Street (Residential)	7	35	-
38 Etela Street (Residential)	14	35	-
37 Peel Street (Residential)	5	35	-
37 Loftus Street (Residential)	17	35	-
37 Loftus Street (Residential)	16	35	-
37 Isabel Street (Residential)	17	35	-
37 Gladstone Street (Residential)	8	35	-
37 Collins Street (Residential)	9	35	-
37 Belmore Avenue (Residential)	5	35	-
36 Isabel Street (Residential)	24	35	-
36 Gladstone Street (Residential)	10	35	-
36 Etela Street (Residential)	16	35	-
36 Cleary Avenue (Residential)	6	35	-
35 Peel Street (Residential)	17	35	-
35 Loch Street (Residential)	17	35	-
35 Isabel Street (Residential)	16	35	-
35 Gladstone Street (Residential)	5	35	-
35 Collins Street (Residential)	8	35	-
35 Belmore Avenue (Residential)	5	35	-
35 Belmore Avenue (Residential)	6	35	-
34 Peel Street (Residential)	16	35	-
34 Isabel Street (Residential)	21	35	-
34 Gladstone Street (Residential)	10	35	-
34 Cleary Avenue (Residential)	6	35	-
34 Belmore Avenue (Residential)	5	35	-
335-337 Burwood Road (Residential)	9	35	-
33 Peel Street (Residential)	5	35	-
33 Loch Street (Residential)	19	35	-
33 Loch Street (Residential)	18	35	-
33 Gladstone Street (Residential)	13	35	-
33 Collins Street (Residential)	11	35	-
33 Collins Street (Residential)	9	35	-
33 Belmore Avenue (Residential)	5	35	-
32-34 Loftus Street (Residential)	20	35	-
32 Peel Street (Residential)	5	35	-
32 Isabel Street (Residential)	22	35	-
32 Gladstone Street (Residential)	7	35	-
32 Cleary Avenue (Residential)	6	35	-
32 Cleary Avenue (Residential)	6	35	-
32 Belmore Avenue (Residential)	5	35	-
31-35 Loftus Street (Residential)	26	35	-
31-35 Loftus Street (Residential)	27	35	-
31 Peel Street (Residential)	8	35	-
31 Loch Street (Residential)	18	35	-
31 Gladstone Street (Residential)	13	35	-
31 Collins Street (Residential)	7	35	-
31 Collins Street (Residential)	6	35	-
31 Belmore Avenue (Residential)	6	35	-
31 Belmore Avenue (Residential)	9	35	-
30 Peel Street (Residential)	10	35	-
30 Loch Street (Residential)	15	35	-
30 Loch Street (Residential)	16	35	-
30 Isabel Street (Residential)	18	35	-
30 Gladstone Street (Residential)	6	35	-
30 Gladstone Street (Residential)	7	35	-
30 Cleary Avenue (Residential)	6	35	-
30 Brande Street (Residential)	3	35	-
3 Waverley Street (Residential)	13	35	-
3 Tudor Street (Residential)	9	35	-
3 The Boulevards (Residential)	8	35	-

3 The Boulevard (Residential)	8	35	-
3 St Clair Street (Residential)	11	35	-
3 Redman Parade (Residential)	21	35	-
3 Railway Parade (Residential)	8	35	-
3 Peel Street (Residential)	3	35	-
3 Palmer Street (Residential)	8	35	-
3 Oxford Street (Residential)	8	35	-
3 Myall Street (Residential)	26	35	-
3 Loftus Street (Residential)	6	35	-
3 Leylands Parade (Residential)	18	35	-
3 Lark Street (Residential)	9	35	-
3 Isabel Street (Residential)	11	35	-
3 Hall Street (Residential)	16	35	-
3 Edison Street (Residential)	11	35	-
3 Cleary Avenue (Residential)	10	35	-
3 Cecilia Street (Residential)	19	35	-
3 Butler Avenue (Residential)	13	35	-
3 Brande Street (Residential)	6	35	-
3 Belmore Avenue (Residential)	12	35	-
2A Waverley Street (Residential)	8	35	-
2A Loftus Street (Residential)	10	35	-
29 Peel Street (Residential)	8	35	-
29 Loch Street (Residential)	17	35	-
29 Gladstone Street (Residential)	9	35	-
29 Collins Street (Residential)	7	35	-
29 Cleary Avenue (Residential)	6	35	-
29 Belmore Avenue (Residential)	6	35	-
29 Belmore Avenue (Residential)	9	35	-
29 Acacia Street (Residential)	20	35	-
29 Acacia Street (Residential)	13	35	-
280-284 Burwood Road (Residential)	6	35	-
28-30 Loftus Street (Residential)	20	35	-
28 Peel Street (Residential)	9	35	-
28 Gladstone Street (Residential)	9	35	-
28 Gladstone Street (Residential)	6	35	-
28 Collins Street (Residential)	14	35	-
28 Cleary Avenue (Residential)	7	35	-
28 Brande Street (Residential)	4	35	-
27 Peel Street (Residential)	14	35	-
27 Oxford Street (Residential)	5	35	-
27 Loch Street (Residential)	18	35	-
27 Isabel Street (Residential)	12	35	-
27 Gladstone Street (Residential)	9	35	-
27 Collins Street (Residential)	6	35	-
27 Cleary Avenue (Residential)	6	35	-
27 Brande Street (Residential)	4	35	-
27 Belmore Avenue (Residential)	6	35	-
27 Acacia Street (Residential)	14	35	-
27 Acacia Street (Residential)	16	35	-
27 Acacia Street (Residential)	15	35	-
26 Redman Parade (Residential)	16	35	-
26 Peel Street (Residential)	13	35	-
26 Oxford Street (Residential)	5	35	-
26 Moreton Street (Residential)	13	35	-
26 Loch Street (Residential)	15	35	-
26 Loch Street (Residential)	15	35	-
26 Isabel Street (Residential)	16	35	-
26 Gladstone Street (Residential)	7	35	-
26 Collins Street (Residential)	7	35	-
26 Cleary Avenue (Residential)	7	35	-
26 Brande Street (Residential)	4	35	-
26 Belmore Avenue (Residential)	9	35	-
25A Belmore Avenue (Residential)	6	35	-
25-29 Loftus Street (Residential)	21	35	-
25 Peel Street (Residential)	7	35	-

25 Oxford Street (Residential)	5	35	-
25 Loch Street (Residential)	19	35	-
25 Isabel Street (Residential)	13	35	-
25 Gladstone Street (Residential)	6	35	-
25 Cleary Avenue (Residential)	6	35	-
25 Brande Street (Residential)	5	35	-
25 Belmore Avenue (Residential)	10	35	-
25 Acacia Street (Residential)	16	35	-
25 Acacia Street (Residential)	13	35	-
24-26 Loftus Street (Residential)	14	35	-
24-25 Redman Parade (Residential)	18	35	-
24 Peel Street (Residential)	5	35	-
24 Oxford Street (Residential)	5	35	-
24 Oxford Street (Residential)	5	35	-
24 Isabel Street (Residential)	16	35	-
24 Gladstone Street (Residential)	7	35	-
24 Collins Street (Residential)	9	35	-
24 Cleary Avenue (Residential)	8	35	-
24 Brande Street (Residential)	4	35	-
24 Belmore Avenue (Residential)	6	35	-
23A Acacia Street (Residential)	15	35	-
23A Acacia Street (Residential)	20	35	-
23 Peel Street (Residential)	4	35	-
23 Oxford Street (Residential)	5	35	-
23 Oxford Street (Residential)	7	35	-
23 Loftus Street (Residential)	18	35	-
23 Loch Street (Residential)	18	35	-
23 Gladstone Street (Residential)	12	35	-
23 Edison Street (Residential)	14	35	-
23 Cleary Avenue (Residential)	7	35	-
23 Brande Street (Residential)	4	35	-
22-24 Moreton Street (Residential)	12	35	-
22 Peel Street (Residential)	4	35	-
22 Oxford Street (Residential)	5	35	-
22 Loftus Street (Residential)	14	35	-
22 Isabel Street (Residential)	15	35	-
22 Gladstone Street (Residential)	7	35	-
22 Collins Street (Residential)	9	35	-
22 Cleary Avenue (Residential)	7	35	-
22 Brande Street (Residential)	4	35	-
22 Belmore Avenue (Residential)	6	35	-
21A Loch Street (Residential)	15	35	-
21A Loch Street (Residential)	17	35	-
21 Station Road (Residential)	4	35	-
21 Station Road (Residential)	6	35	-
21 Peel Street (Residential)	14	35	-
21 Oxford Street (Residential)	5	35	-
21 Loftus Street (Residential)	6	35	-
21 Loch Street (Residential)	17	35	-
21 Loch Street (Residential)	13	35	-
21 Isabel Street (Residential)	14	35	-
21 Hall Street (Residential)	8	35	-
21 Gladstone Street (Residential)	12	35	-
21 Edison Street (Residential)	13	35	-
21 Cleary Avenue (Residential)	9	35	-
21 Brande Street (Residential)	5	35	-
21 Belmore Avenue (Residential)	7	35	-
21 Acacia Street (Residential)	14	35	-
20-22 Loch Street (Residential)	13	35	-
20 Peel Street (Residential)	5	35	-
20 Oxford Street (Residential)	5	35	-
20 Loftus Street (Residential)	20	35	-
20 Leylands Parade (Residential)	12	35	-
20 Isabel Street (Residential)	16	35	-
20 Gladstone Street (Residential)	6	35	-

20 Gladstone Street (Residential)	0	35	-
20 Collins Street (Residential)	9	35	-
20 Cleary Avenue (Residential)	7	35	-
20 Brande Street (Residential)	4	35	-
20 Belmore Avenue (Residential)	6	35	-
20 Acacia Street (Residential)	16	35	-
2-4 Sudbury Street (Residential)	24	35	-
2 The Boulevarde (Residential)	11	35	-
2 St Clair Street (Residential)	8	35	-
2 Sharp Street (Residential)	21	35	-
2 Sharp Street (Residential)	15	35	-
2 Redman Parade (Residential)	16	35	-
2 Railway Parade (Residential)	9	35	-
2 Oxford Street (Residential)	6	35	-
2 Myall Street (Residential)	31	35	-
2 Moreton Street (Residential)	7	35	-
2 Loftus Street (Residential)	9	35	-
2 Lincoln Street (Residential)	7	35	-
2 Leylands Parade (Residential)	13	35	-
2 Lark Street (Residential)	18	35	-
2 Harcourt Avenue (Residential)	14	35	-
2 Hall Street (Residential)	11	35	-
2 Etela Street (Residential)	9	35	-
2 Brande Street (Residential)	13	35	-
1B Sudbury Street (Residential)	21	35	-
1B Redman Parade (Residential)	16	35	-
1B Redman Parade (Residential)	17	35	-
1A St Clair Street (Residential)	14	35	-
1A Cleary Avenue (Residential)	4	35	-
19 Station Road (Residential)	4	35	-
19 Peel Street (Residential)	14	35	-
19 Palmer Street (Residential)	9	35	-
19 Oxford Street (Residential)	6	35	-
19 Oxford Street (Residential)	5	35	-
19 Loftus Street (Residential)	5	35	-
19 Loch Street (Residential)	14	35	-
19 Isabel Street (Residential)	13	35	-
19 Hall Street (Residential)	10	35	-
19 Gladstone Street (Residential)	12	35	-
19 Edison Street (Residential)	14	35	-
19 Edison Street (Residential)	19	35	-
19 Cleary Avenue (Residential)	7	35	-
19 Brande Street (Residential)	4	35	-
19 Belmore Avenue (Residential)	8	35	-
18 Sudbury Street (Residential)	15	35	-
18 Peel Street (Residential)	4	35	-
18 Oxford Street (Residential)	5	35	-
18 Loch Street (Residential)	13	35	-
18 Leylands Parade (Residential)	13	35	-
18 Isabel Street (Residential)	15	35	-
18 Isabel Street (Residential)	13	35	-
18 Collins Street (Residential)	8	35	-
18 Cleary Avenue (Residential)	8	35	-
18 Brande Street (Residential)	5	35	-
18 Belmore Avenue (Residential)	7	35	-
18 Acacia Street (Residential)	16	35	-
17 Station Road (Residential)	4	35	-
17 Peel Street (Residential)	14	35	-
17 Oxford Street (Residential)	6	35	-
17 Loftus Street (Residential)	6	35	-
17 Loch Street (Residential)	12	35	-
17 Isabel Street (Residential)	13	35	-
17 Hall Street (Residential)	10	35	-
17 Hall Street (Residential)	10	35	-
17 Gladstone Street (Residential)	12	35	-

17 Edison Street (Residential)	15	35	-
17 Cleary Avenue (Residential)	8	35	-
17 Brande Street (Residential)	5	35	-
17 Belmore Avenue (Residential)	11	35	-
16 Sudbury Street (Residential)	15	35	-
16 Peel Street (Residential)	3	35	-
16 Loftus Street (Residential)	14	35	-
16 Loch Street (Residential)	12	35	-
16 Leylands Parade (Residential)	13	35	-
16 Isabel Street (Residential)	14	35	-
16 Hall Street (Residential)	11	35	-
16 Collins Street (Residential)	10	35	-
16 Cleary Avenue (Residential)	8	35	-
16 Brande Street (Residential)	5	35	-
16 Belmore Avenue (Residential)	6	35	-
16 Acacia Street (Residential)	19	35	-
16 Acacia Street (Residential)	17	35	-
15 Peel Street (Residential)	6	35	-
15 Palmer Street (Residential)	6	35	-
15 Oxford Street (Residential)	6	35	-
15 Loftus Street (Residential)	4	35	-
15 Loch Street (Residential)	12	35	-
15 Leylands Parade (Residential)	13	35	-
15 Leylands Parade (Residential)	18	35	-
15 Isabel Street (Residential)	15	35	-
15 Hall Street (Residential)	9	35	-
15 Hall Street (Residential)	9	35	-
15 Gladstone Street (Residential)	10	35	-
15 Edison Street (Residential)	15	35	-
15 Cleary Avenue (Residential)	8	35	-
15 Brande Street (Residential)	5	35	-
15 Belmore Avenue (Residential)	8	35	-
15 Acacia Street (Residential)	16	35	-
14A Isabel Street (Residential)	20	35	-
14 Peel Street (Residential)	3	35	-
14 Oxford Street (Residential)	4	35	-
14 Loftus Street (Residential)	10	35	-
14 Loftus Street (Residential)	14	35	-
14 Loch Street (Residential)	12	35	-
14 Leylands Parade (Residential)	15	35	-
14 Isabel Street (Residential)	15	35	-
14 Hall Street (Residential)	15	35	-
14 Collins Street (Residential)	10	35	-
14 Belmore Avenue (Residential)	8	35	-
131 Campsie Street (Residential)	10	35	-
13 Redman Parade (Residential)	21	35	-
13 Redman Parade (Residential)	20	35	-
13 Palmer Street (Residential)	7	35	-
13 Oxford Street (Residential)	7	35	-
13 Loftus Street (Residential)	6	35	-
13 Loch Street (Residential)	12	35	-
13 Leylands Parade (Residential)	14	35	-
13 Isabel Street (Residential)	13	35	-
13 Hall Street (Residential)	10	35	-
13 Hall Street (Residential)	11	35	-
13 Gladstone Street (Residential)	9	35	-
13 Edison Street (Residential)	12	35	-
13 Brande Street (Residential)	5	35	-
13 Acacia Street (Residential)	16	35	-
13 Acacia Street (Residential)	17	35	-
129 Campsie Street (Residential)	10	35	-
127 Campsie Street (Residential)	11	35	-
125 Campsie Street (Residential)	11	35	-
123 Campsie Street (Residential)	11	35	-
123 Campsie Street (Residential)	11	35	-

120 Campsie Street (Residential)	11	35	-
121 Campsie Street (Residential)	12	35	-
12-14 Sudbury Street (Residential)	16	35	-
12 Redman Parade (Residential)	18	35	-
12 Peel Street (Residential)	4	35	-
12 Oxford Street (Residential)	5	35	-
12 Loftus Street (Residential)	9	35	-
12 Leylands Parade (Residential)	25	35	-
12 Isabel Street (Residential)	14	35	-
12 Hall Street (Residential)	13	35	-
12 Cleary Avenue (Residential)	8	35	-
12 Belmore Avenue (Residential)	8	35	-
119 Campsie Street (Residential)	11	35	-
119 Campsie Street (Residential)	11	35	-
117 Campsie Street (Residential)	11	35	-
115 Campsie Street (Residential)	11	35	-
114 Campsie Street (Residential)	11	35	-
112 Campsie Street (Residential)	7	35	-
110 Campsie Street (Residential)	6	35	-
11 Redman Parade (Residential)	21	35	-
11 Redman Parade (Residential)	30	35	-
11 Railway Parade (Residential)	7	35	-
11 Palmer Street (Residential)	8	35	-
11 Oxford Street (Residential)	5	35	-
11 Loftus Street (Residential)	14	35	-
11 Loch Street (Residential)	14	35	-
11 Leylands Parade (Residential)	13	35	-
11 Isabel Street (Residential)	11	35	-
11 Isabel Street (Residential)	15	35	-
11 Hall Street (Residential)	12	35	-
11 Hall Street (Residential)	13	35	-
11 Gladstone Street (Residential)	11	35	-
11 Gladstone Street (Residential)	12	35	-
11 Edison Street (Residential)	13	35	-
11 Edison Street (Residential)	22	35	-
11 Cleary Avenue (Residential)	12	35	-
11 Cecilia Street (Residential)	17	35	-
11 Brande Street (Residential)	5	35	-
11 Belmore Avenue (Residential)	5	35	-
11 Acacia Street (Residential)	19	35	-
10B Lincoln Street (Residential)	6	35	-
10A Lincoln Street (Residential)	6	35	-
108 Campsie Street (Residential)	6	35	-
106 Campsie Street (Residential)	6	35	-
106 Bridge Road (Residential)	10	35	-
105-111 Campsie Street (Residential)	13	35	-
104 Ninth Avenue (Residential)	13	35	-
104 Campsie Street (Residential)	4	35	-
104 Bridge Road (Residential)	6	35	-
102 Lakemba Street (Residential)	4	35	-
102 Bridge Road (Residential)	9	35	-
102 Bridge Road (Residential)	7	35	-
101-105 Bridge Road (Residential)	19	35	-
101-105 Bridge Road (Residential)	7	35	-
101-105 Bridge Road (Residential)	11	35	-
101-105 Bridge Road (Residential)	13	35	-
101-105 Bridge Road (Residential)	13	35	-
100 Ninth Avenue (Residential)	14	35	-
100 Campsie Street (Residential)	10	35	-
10 Sudbury Street (Residential)	19	35	-
10 Redman Parade (Residential)	21	35	-
10 Redman Parade (Residential)	23	35	-
10 Peel Street (Residential)	4	35	-
10 Oxford Street (Residential)	4	35	-
10 Loftus Street (Residential)	11	35	-

10 Lincoln Street (Residential)	5	35	-
10 Leylands Parade (Residential)	18	35	-
10 Isabel Street (Residential)	13	35	-
10 Hall Street (Residential)	15	35	-
10 Cleary Avenue (Residential)	7	35	-
10 Brande Street (Residential)	6	35	-
10 Belmore Avenue (Residential)	7	35	-
10 Belmore Avenue (Residential)	8	35	-
10 Acacia Street (Residential)	23	35	-
1-3 Harcourt Avenue (Residential)	13	35	-
1 Waverley Street (Residential)	13	35	-
1 Waverley Street (Residential)	18	35	-
1 Tudor Street (Residential)	7	35	-
1 The Boulevarde (Residential)	5	35	-
1 The Boulevarde (Residential)	17	35	-
1 St Clair Street (Residential)	14	35	-
1 Railway Parade (Residential)	8	35	-
1 Peel Street (Residential)	4	35	-
1 Oxford Street (Residential)	7	35	-
1 Loftus Street (Residential)	6	35	-
1 Lincoln Street (Residential)	13	35	-
1 Leylands Parade (Residential)	20	35	-
1 Lark Street (Residential)	7	35	-
1 Isabel Street (Residential)	11	35	-
1 Hall Street (Residential)	10	35	-
1 Edison Street (Residential)	14	35	-
1 Butler Avenue (Residential)	13	35	-
1 Brande Street (Residential)	7	35	-
1 Belmore Avenue (Residential)	17	35	-



The specification of the Caravan

CARAVANS & WAGONS

MOBILE UNITS WHEN YOU NEED THEM MOST

Onsite Rental Group provide a wide-range of self-contained, high-quality rental caravans and wagons. With multiple layouts including office, kitchen, integrated power and toilet configurations you will be ready to go from the moment you hire from us.

We offer a full range of fit-out accessories and compound solutions to ensure you can hit the ground running. Our caravan and wagon range include:

- 9m x 2.4m Kitchen Caravans: Series 9, Plan 3
- 9m x 2.4m Kitchen & Toilet Caravan: Series 9, Plan 2
- 9m x 2.4m Kitchen & Toilet Caravan: Series 9, Plan 4
- 9m x 2.4m Kitchen & Toilet Caravan: Series 9, Plan 5
- 8.5m x 2.4m Kitchen & Toilet Caravan: Remote Series 9, Plan 1

All our caravans are fully self-contained with:

- Integrated generators
- Long range fuel tanks
- Split system air-conditioning
- Fire extinguishers
- Highly insulated body
- Fresh water & waste tanks (mains power and sewerage connections available depending on site conditions).

We provide a wide range of awning, office and kitchen accessories to complete your mobile requirements.

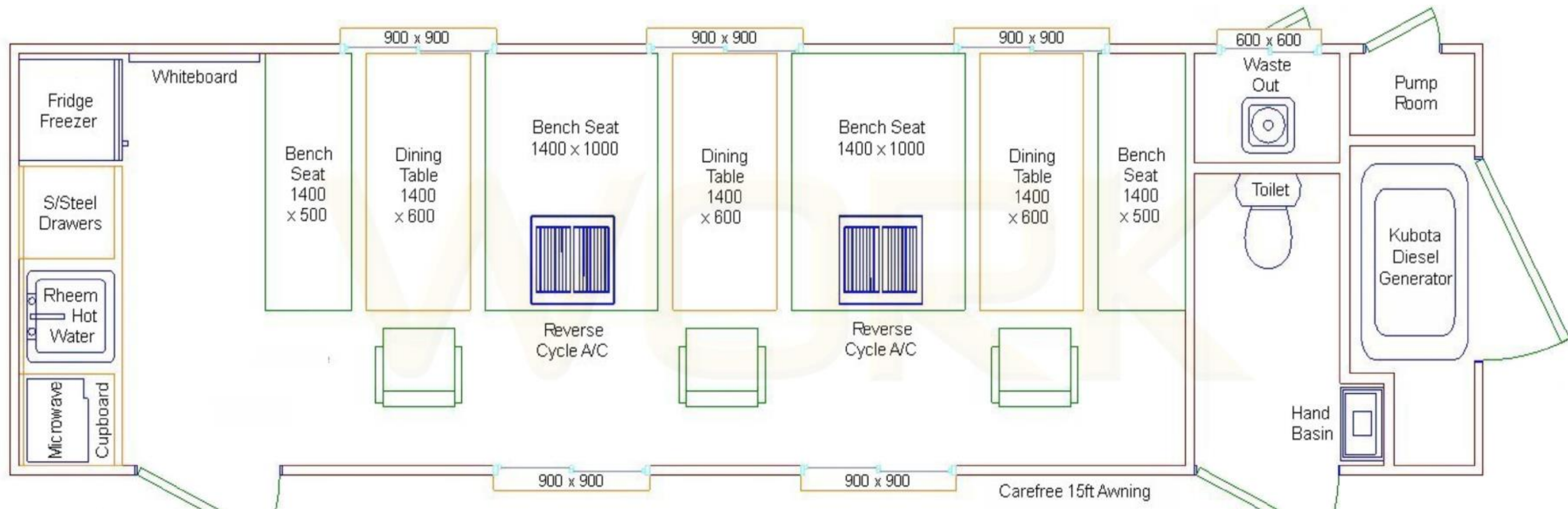
Please speak to your local branch on 13 40 40 to find out more about the wide range of caravans, wagons and accessories we offer.

ONSITE.COM.AU



Outback Explorer Mobile Office & Lunchroom





Outback Explorer Mobile Lunchroom Inclusions – Select Plant Hire - Site Solutions

Galvanised Dual Rail RHS Steel Frame	Standard
Galvanised Steel Fixing Channel	Standard
Welds and Channel Zinc Coated and Rust proofed	Standard
Reinforced Spring Hanger Mount Galvanised	Standard
High Wind Tie-down Points	4
Chassis Accessories	
Pintle Ring Coupling 6000kg Rated	1
Push Button Park Brake with Galvanised Cable, Grips and Adjuster	1
Safety Chains, Hammer Locks and Heavy Duty Mounts	2
Heavy Duty 1500kg Rated Stabiliser Legs with Steel Foot	4
Jockey Leg 1200kg Rated with Steel Foot	1
Spare Tyre Winch and Handle	1
Heavy Duty Aluminium Mudguards	4
Rubber Mudflaps	2
Suspension	
Alko Tri-Axle Roller Rocker 8 Leaf Spring Set 6750kg Rated	1
Alko Galvanised 1600kg 45 Square Axles with Japanese Parallel Bearings	3
Brakes	
Alko Landcruiser Hubs with Electric 10' Brakes	6
Tekonsha Electric Brake Away System	1
Wheels and Tyres	
Landcruiser 15' Ranger Steel White 6 Stud Wheels	7
Ovation 15 x 7" 8 ply Light Truck Radials	7
Trailer Lighting	
LED Front Marker Lights 9-33 Volt	2
LED Side Marker Lights 9-33 Volt	6
LED Rear Marker Lights 9-33 Volt	2
LED Turn Indicator Lights 9-33 Volt	2
LED Stop Lights 9-33 Volt	4
LED Number Plate Light 9-33 Volt	2
Metal Large Round 7 Pin Trailer Connection Socket	1
Heavy Duty 7 Pin Suzi Coil Connection Cable	1
7 Pin Flat Trailer Connection Plug	1
Walls and Roof	
Colorbond Steel EPS 50mm Panel	Standard
Colorbond Aluminium Angles and Channels	Standard
Structural Aluminium External Extrusions	Standard
Aluminium Propeller Plate External Trim	Standard
Flooring	
Marine Glued H3 Termite Treated Hardwood Ply Floor Sheeting	Standard
Waterproof Underfloor Sealer	Standard
Commercial R10 Rated Vinyl Floor Covering	Standard
Vinyl Coving to All Floor Areas	Standard

Doors and Stairs	
Colorbond Sheeted External Door 2040 x 820mm Southco R3 Lock-set	2
Colorbond Sheeted External Door 950 x 1100mm Southco R3 Lock-set	1
Colorbond Sheeted External Door 680 x 420mm Southco R3 Lock-set	1
Colorbond Sheeted External Door 680 x 350mm Southco R3 Lock-set	1
Galvanised Steel Fold-up Stairs	2
Windows	
Laminated Safety Glass 600 x 600mm Window including Vent	1
Crimesafe 600 x 600mm Stainless Steel Security Screen	1
Laminated Safety Glass 900 x 900mm Window	5
Crimesafe 900 x 900mm Stainless Steel Security Screen	5
Windoware Block-out Roller Blind 900mm	5
Electrical 240 Volt	
Electrical Input 15amp Waterproof	2
Distribution Board Surface Mount	1
Double Pole Main Circuit Breaker 16 Amp	2
Double Pole Safety Switch RCD/MCB 10 Amp	1
Double Pole Safety Switch RCD/MCB 16 Amp	2
Double Pole Double Insulated 10 Amp Single GPO	4
Double Pole Double Insulated 10 Amp Double GPO	5
USB Wall 4 x Outlet Points Charger 5 Volt DC	3
Double Pole Double Insulated Light Switches	4
Smoke Alarm 240v with 9v Backup	2
Power Supply 240v to 12v 5 Amp	1
Diesel Generator	
Kubota GL6000 Diesel Generator with Digital Control Panel	1
Formshield Sound Insulated Generator Enclosure	1
Power Changeover Switch (Mains/Off/Generator)	1
Lockable Generator Isolation Switch	2
Emergency Generator Stop Button	4
Stainless Steel Diesel Fuel Tank Filler	1
Polyethylene Diesel Fuel Tank 100 Litre	1
Diesel Tank Fuel Level Gauge	1
Diesel Tank Fuel Gauge Sender Unit	1
Lighting and Fans	
LED 22 Watt Batten Light	4
Waterproof Batten 18 Watt Fluorescent Light (Toilet)	1
Waterproof Batten 18 Watt Fluorescent Light (Door)	2
HCM Exhaust Fan (Toilet)	1
Air Conditioning	
Aircommand Ibis Reverse Cycle with Remote	2
Plumbing	
Brass Water Input with Food Grade Hose	1
Polyethylene Fresh Water Tank 300 Litre	2

Plumbing (continued)

Fresh Water Tank Level Gauge	1
Fresh Water Tank Gauge Sender Unit	1
Fresh Tank Empty Flashing Alarm (Toilet Room)	1
Fresh Tank Empty Flashing Alarm (Main Room)	1
Rain & Town 240 Volt Water Pump	1
Electronic Water Pump Controller	1
Cam Lock 50mm Fresh Water Tank Drain	1
Polyethylene Waste Water Tank 300 Litre	2
Waste Water Tank Level Gauge	1
Waste Water Tank Gauge Sender Unit	1
Waste Tank Full Sender Unit	1
Waste Tank Full Flashing Alarm (Toilet Room)	1
Waste Tank Full Flashing Alarm (Main Room)	1
External Waste Tank Full Flashing Alarm	1
Waste Tank Overflow Sender Unit	1
Waste Tank Overflow Warning Audio Alarm (Pump Room)	1
External Waste Tank Inspection Port (Waste Tank Out)	1
Cam Lock 50mm Waste Outlet	1
Grey Water 25mm Stainless Steel Outlet	1
Grey Water to Waste Water Tank Diversion Valve	1
Toilet	
Ceramic Bowl Gravity Discharge Toilet with Water Flush	1
Estilo Toilet Roll Holder	1
Stainless Steel Corner Hand Basin	1
Estilo 4 Star 7.5 LPM Chrome Basin Mixer & Mirror	1
Kitchen	
Stainless Steel Kitchen Benchtop 1650 x 600mm	1
Mondella Stainless Steel Kitchen Sink	1
Estilo 4 Star 7.5 LPM Chrome Sink Mixer	1
Stefani Double Stage Water Filter with Chrome Tap	1
Stainless Steel Storage Cupboard	1
Stainless Steel Storage Drawers	1
Rheem Wall Mounted Hot Water Boiler	1
Microwave Oven 25 Litre Stainless Steel Finish	1
Aluminium Microwave Shelf	1
Refrigeration	
Lemair 268 Litre Fridge Freezer Stainless Steel Finish LTM268S	1
Lunchroom Area	
Dining Table 1400 x 600 Ironstone Finish	3
Bench Seat with Grey Cushion 1400 x 1000	2
Bench Seat with Grey Cushion 1400 x 500	2
Lifetime Stackable Chair Black 150kg Rated	3
Magnetic Whiteboard 900 x 600mm	1

Safety Items

Fire Extinguisher	3
Fiamma 46 Folding Door Hand Rail	2
Full Caravan Use Safety Signage	1
Reflective Class 1 Safety Tape 48mm	1

Awning

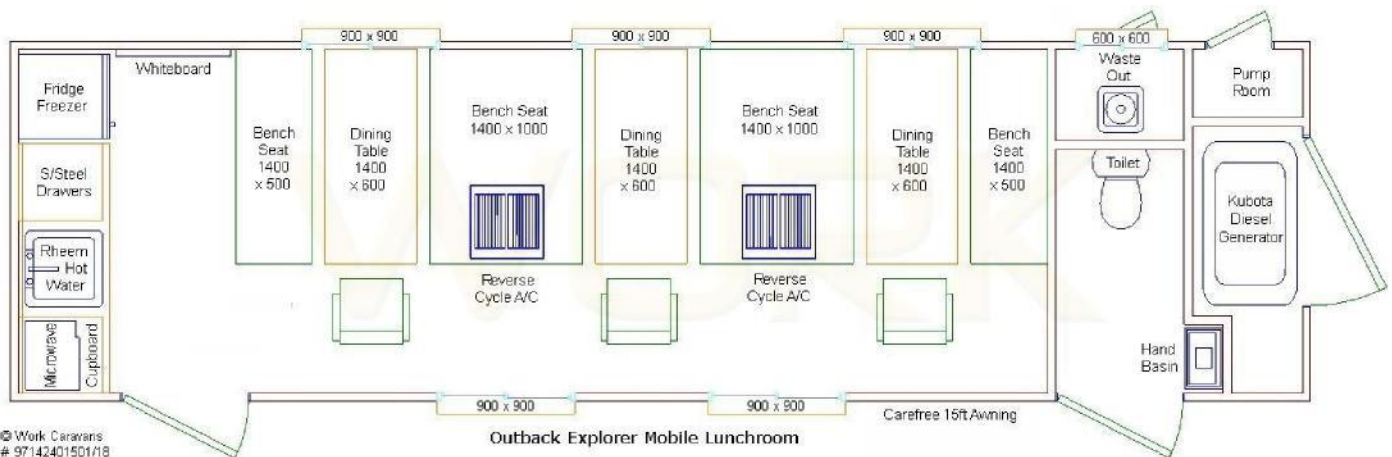
Carefree 15ft Roll Out Awning Silver Fade	1
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Graphics and Signage

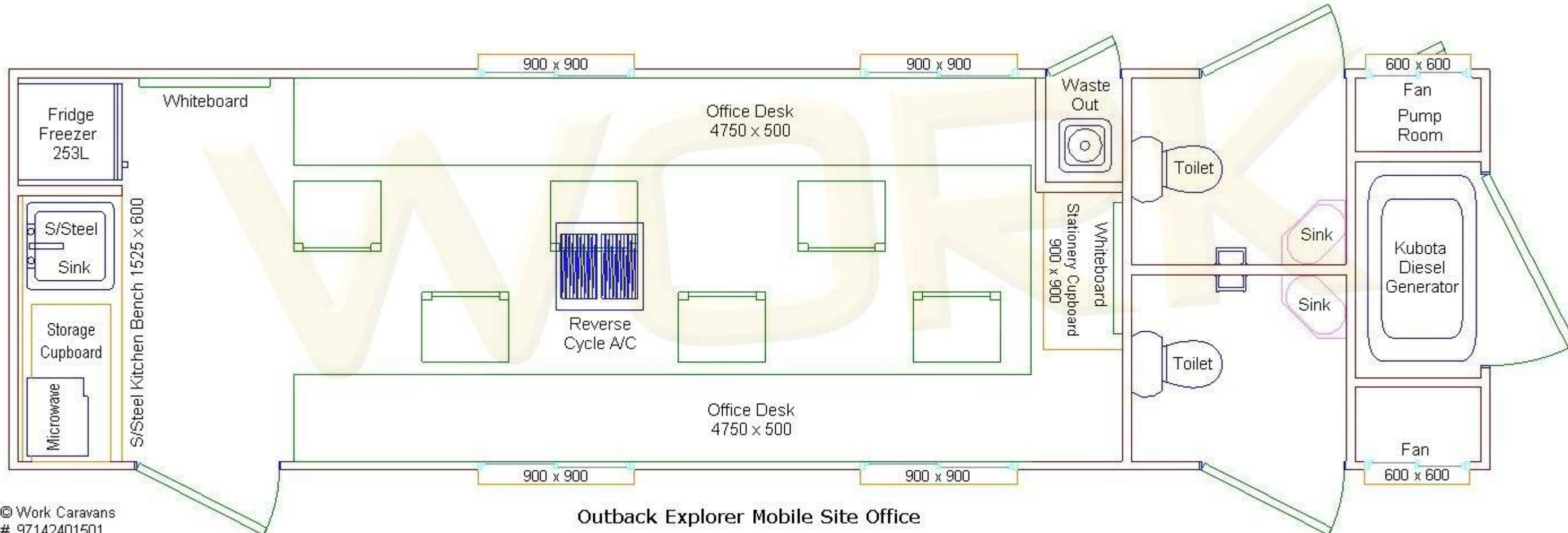
Laing O'Rourke Wrap Signage 600mm	Optional
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Mobile Lunchroom Dimensions

External Cabin Length	8500mm
Drawbar Length	1750mm
Total External Length	10250mm
Width including Stairs and Lighting	2480mm
Height including Air Conditioner	3350mm
Approximate Weight (Dry)	3350kg



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Outback Explorer Mobile Site Office

Outback Explorer Mobile Site Office Inclusions – Select Plant Hire - Site Solutions

Galvanised Dual Rail RHS Steel Frame	Standard
Galvanised Steel Fixing Channel	Standard
Welds and Channel Zinc Coated and Rust proofed	Standard
Reinforced Spring Hanger Mount Galvanised	Standard
High Wind Tie-down Points	4
Chassis Accessories	
Pintle Ring Coupling 6000kg Rated	1
Push Button Park Brake with Galvanised Cable, Grips and Adjuster	1
Safety Chains, Hammer Locks and Heavy Duty Mounts	2
Heavy Duty 1500kg Rated Stabiliser Legs with Steel Foot	4
Jockey Leg 1200kg Rated with Steel Foot	1
Spare Tyre Winch and Handle	1
Heavy Duty Aluminium Mudguards	4
Rubber Mudflaps	2
Suspension	
Alko Tri-Axle Roller Rocker 8 Leaf Spring Set 6750kg Rated	1
Alko Galvanised 1600kg 45 Square Axles with Japanese Parallel Bearings	3
Brakes	
Alko Landcruiser Hubs with Electric 10' Brakes	6
Trailer Vision Electric Brake Away System	1
Wheels and Tyres	
Landcruiser 15' Ranger Steel White 6 Stud Wheels	7
Ovation 15 x 7" 8 ply Light Truck Radials	7
Trailer Lighting	
LED Front Marker Lights 9-33 Volt	2
LED Side Marker Lights 9-33 Volt	6
LED Rear Marker Lights 9-33 Volt	2
LED Turn Indicator Lights 9-33 Volt	2
LED Stop Lights 9-33 Volt	4
LED Number Plate Light 9-33 Volt	1
Metal Large Round 7 Pin Trailer Connection Socket	1
Heavy Duty 7 Pin Suzi Coil Connection Cable	1
7 Pin Flat Trailer Connection Plug	1
Walls and Roof	
Colorbond Steel EPS 50mm Panel	Standard
Colorbond Aluminium Angles and Channels	Standard
Structural Aluminium External Extrusions	Standard
Aluminium Propeller Plate External Trim	Standard
Flooring	
Marine Glued H3 Termite Treated Hardwood Ply Floor Sheeting	Standard
Waterproof Underfloor Sealer	Standard
Commercial R10 Rated Vinyl Floor Covering	Standard
Vinyl Coving to All Floor Areas	Standard

Doors and Stairs	
Colorbond Sheeted External Door 2040 x 820mm Southco R3 Lock-set	3
Colorbond Sheeted External Door 950 x 1100mm Southco R3 Lock-set	1
Colorbond Sheeted External Door 680 x 420mm Southco R3 Lock-set	1
Colorbond Sheeted External Door 680 x 350mm Southco R3 Lock-set	1
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Stainless Steel Diesel Fuel Tank Filler	1
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Diesel Tank Fuel Gauge Sender Unit	1
Lighting and Fans	
Batten 36 Watt Fluorescent Light	4
Waterproof Batten 18 Watt Fluorescent Light (Toilet)	2
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Plumbing (continued)

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Waste Water Tank Gauge Sender Unit	1
Waste Tank Full Sender Unit	1
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Waste Tank Full Flashing Alarm (Main Room)	1
External Waste Tank Full Flashing Alarm	1
Waste Tank Overflow Sender Unit	1
Waste Tank Overflow Warning Audio Alarm (Pump Room)	1
External Waste Tank Inspection Port (Waste Tank Out)	1
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Grey Water 25mm Stainless Steel Outlet	1
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Toilet	
Ceramic Bowl Gravity Discharge Toilet with Water Flush	2
Estilo Toilet Roll Holder	2
Stainless Steel Corner Hand Basin	2
Estilo 4 Star 7.5 LPM Chrome Basin Mixer	2
Mirror	2
Kitchen	
Stainless Steel Kitchen Benchtop 1580 x 600mm	1
Mondella Stainless Steel Sink RH Bowl	1
Estilo 4 Star 7.5 LPM Chrome Sink Mixer	1
Stefani Double Stage Water Filter with Chrome Tap	1
Stainless Steel Storage Cupboard	1
Stainless Steel Storage Drawers	1
Rheem Wall Mounted Hot Water Boiler	1
Homemaker 25 Litre Microwave	1
Aluminium Microwave Shelf	1
Refrigeration	
Beko 245 Litre Fridge Freezer BTM245PX	1
Office Area	
Office Table 4750 x 500 Ironstone Finish	2
Storage Cupboard Top 910 x 905 Ironstone Finish	1
Steel Double Door Storage Cupboard 900 x 900	1
Lifetime Stackable Chair Black 150kg Rated	6
Magnetic Whiteboard 900 x 600mm	2

Safety Items

Fire Extinguisher	4
Fiamma 46 Folding Door Hand Rail	3
Full Caravan Use Safety Signage	1
Reflective Class 1 Safety Tape 48mm	1

Awning

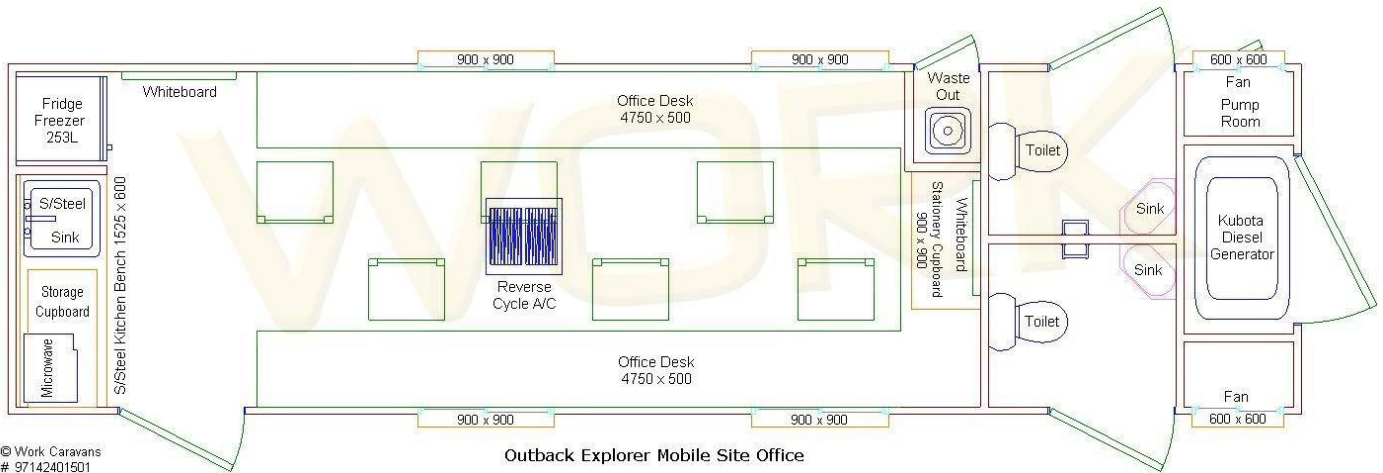
Carefree 15ft Roll Out Awning Silver Fade	1
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Graphics and Signage

Laing O'Rourke Wrap Signage 600mm	1
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Mobile Site Office Dimensions

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Drawbar Length	1750mm
Total External Length	10250mm
Width including Stairs and Lighting	2480mm
Height including Air Conditioner	3350mm
Approximate Weight (Dry)	3350kg



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The specification of the Generator

Kubota Generators

GL-6000

Prime Output 5.5 kVA (5.5 kW)

Standby Output 6.0 kVA (6.0 kW)



*Image shown may not reflect actual package.

Specifications

MODEL	Unit	GL-6000
Type	-	Rotating field single-phase AC generator
Frequency	Hz	50
Standby Output	kVA (kW)	6.0 (6.0)
Prime Output	kVA (kW)	5.5 (5.5)
Voltage - Single Phase	V	220
Armature Connection	-	Series
Phase / Wire	-	1/2
Power Factor	-	1.0
No. of Poles	-	2
Insulation	Class	Rotor coil; class F, Stator coil; class B
Type of Coupling	-	Direct coupled
AMPS		
Single Phase 220V	A	25.0
NO. OF RECEPTACLES		
5-20RA (GFCI)	-	N/A
6-15R	-	2
L5-30R	-	N/A
L6-30R	-	N/A

L14-30R	-	N/A	
CS-6369	-	N/A	
TERMINAL			
Terminal	-	Available	
DIESEL ENGINE			
Type	-	Vertical, liquid-cooled, 4-cycle diesel engine	
Model	-	Z482	
No. of Cylinders	-	2	
Bore x Stroke	mm (in.)	67.0 x 68.0 (2.6 x 2.7)	
Displacement	L (cu. in.)	0.479 (29.2)	
Engine Speed	rpm	3000	
Continuous Rated Output	kW (HP)	6.9 (9.3)	
Lubricant (API classification)	-	Above CD grade	
Oil Capacity	L (qts.)	2.2 (0.58)	
Coolant Capacity	L (qts.)	3.7 (0.98)	
Starting System	-	Electric - 12 volt DC	
SET			
Fuel	-	Diesel fuel No.2 (ASTM D975)	
Fuel Consumption	at Full Load	L/h (gal./h)	2.2 (0.58)
	at 3/4 Load	L/h (gal./h)	1.8 (0.48)
	at 1/2 Load	L/h (gal./h)	1.5 (0.39)
	at 1/4 Load	L/h (gal./h)	1.2 (0.31)
Fuel Tank Capacity	L (gal.)	28.0 (7.4)	
Continuous Operation Hours	at Full Load	h	12.0
	at 3/4 Load	h	15.6
	at 1/2 Load	h	18.7
	at 1/4 Load	h	23.3

Battery (Ah/5 h)	-	38B20R (12 V x 28 Ah)
Dimensions L x W x H	mm (in.)	1066 x 618 x 698 (42.0 x 24.3 x 27.5)
Approx. Net Weight	kg (lbs.)	235 (518)
Sound Level (Full Load at 23 ft. [7m])	dB (A)	65
Emergency Stop System	-	In case of abnormal: Oil pressure, water temperature, or When the access terminal cover is opened

You might also be interested in



GL-9000