

E57 Consultation Report

SCAW – Luddenham South/Cosgrove Creek Earthworks Night

Western Sydney Airport – Surface and Civil Alignment Works (SCAW)

Project Name	Sydney Metro – Western Sydney Airport, Surface and Civil Alignment Works
Project Number	N81150
Revision	1

Distribution and Authorisation

Document Control

The CPBUI JV Environment Manager is responsible for ensuring this report is reviewed and approved. The Environment and/or Community Engagement Manager is responsible for updating this report, as required.

Revision Details

Rev.	Details
A	First draft
1	For distribution

Table of contents

Part 1 Overview	4
1. Introduction	4
1.1. Project Background	4
1.2. Project description.....	4
1.2.1. SCAW scope of works	5
1.2.2. Out of Hours Scope of Works	6
Part 2 – Scope of this report	7
Part 3 – Summary of Requirements	8
3.1. Condition of Approval (SSI 10051)	8
3.2. Respite Eligibility	9
3.3. Mitigation Measures and Planned Respite	9
Part 4 – Compliance Discussion	10
4.1. Consultation Overview	10
4.2. Notification – Monthly Update.....	10
4.3. Notification – Specific OOHW Notification	10
4.4. Targeted Consultation	11
Part 5 - Conclusion	16
Appendices	17
Appendix A – Monthly Notification	18
Appendix B – Specific Notification	19

Part 1 Overview

1. Introduction

1.1. Project Background

The SCAW Project will be undertaken on Darug Country and will form part of the future Western Parkland City. The Project involves the construction and operation of a new 23km metro rail line that extends from the existing Sydney Trains suburban T1 western line (at St Marys) in the north to the Aerotropolis (at Bringelly) in the south. The alignment includes a combination of tunnels and civil structures, including viaducts, bridges, and surface and open-cut troughs between the two tunnel sections. The Project also includes six new metro stations, and a stabling and maintenance facility and operational control centre at Orchard Hills. The SCAW package is the second major contract package to be procured for the Project. The successful and timely completion of the SCAW package is critical to the subsequent construction activities and ultimate completion of the entire Project.

The Sydney Metro Western Sydney Airport will become the transport spine for Greater Western Sydney, connecting communities and travellers with the new Western Sydney International (Nancy-Bird Walton) Airport (referred to as Western Sydney International) and the growing region.

1.2. Project description

The Project forms part of the broader Sydney Metro network. It involves the construction and operation of a 23km new metro rail line that extends from the existing Sydney Trains suburban T1 Western Line (at St Marys) in the North and the Aerotropolis (at Bringelly) in the South. The alignment includes a combination of tunnels and civil structures, including viaduct, bridges, surface and open-cut troughs between the two tunnel sections (Figure 1).

1.2.1. SCAW scope of works

The scope for the SCAW package includes approximately 10.6km of alignment up to the underside of track formation from Orchard Hills to the Western Sydney International (WSI) airport. This includes approximately:

- 3.6 kilometre of viaduct
 - 400 metres of viaduct over Blaxland Creek
 - 660 metres of viaduct over the Patons Lane area and un-named creek
 - 2.5km of viaduct in the Luddenham Road area including across the Warragamba pipeline, at Luddenham Station, across Luddenham Road and across Cosgrove Creek
- 205 metres of bridges
 - An over rail bridge, approximately 180m long, over the proposed M12 Motorway
 - An over rail bridge, approximately 25m long, over the drainage swale on the WSI airport site
- 6.9km of at-grade alignment
 - 600m at Orchard Hills, south of Lansdowne Road
 - 1.6km alongside the stabling maintenance facility in Orchard Hills
 - 900m to the north of the Warragamba pipelines
 - 1.1km north of the proposed M12 motorway
 - 1.4km south of the proposed M12 Motorway on Elizabeth Drive
 - 1.3km within the Airport site from the northern boundary to the Airport Business Park Station
- Temporary and permanent access roads.

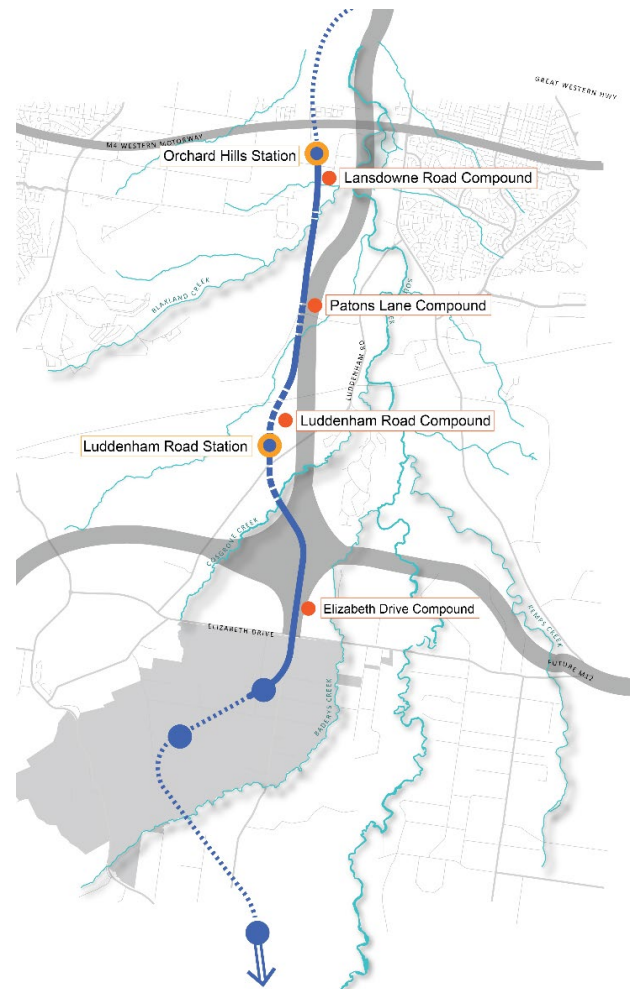


Figure 1 – Overview of the SCAW Project

1.2.2. Out of Hours Scope of Works

The final stages of earthworks for Portion 3 may be required to occur outside of standard construction areas in order to meet handover dates.

The general scope of the earthworks includes but is not limited to:

- Excavation and load out of materials,
- Topsoil placement,
- Landscaping including application of hydromulch, and
- Installation of drainage scour protection.

Out of Hours works may be required up to 5 nights per week.

This work is programmed to start Monday 20/05, between 6pm and 5am (Monday to Friday) until approximately 29/06. Work activities and impacts are detailed in SCAW Detailed Noise and Vibration Impact Statement (DNVIS) 004 – Patons to Cosgroves Creek and the location is provided in Figure 2.

Part 2 – Scope of this report

This E57 Community Consultation Report provides a summary of consultation undertaken in accordance with Condition of Approval E57 with respect to Out of Hours Pavement activities proposed at the Luddenham Road round-about, as assessed in SCAW DNVIS 004 – Patons to Cosgroves Creek.

Out-of-Hours Works – Community Consultation on Respite

E57 In order to undertake out-of-hours work outside the work hours specified under Condition E38, appropriate respite periods for the out-of-hours work must be identified in consultation with the community at each affected location on a regular basis. This consultation must include (but not be limited to) providing the community with:

- (a) a progressive schedule for periods no less than three (3) months, of likely out-of-hours work;
- (b) a description of the potential work, location and duration of the out-of-hours work;
- (c) the noise characteristics and likely noise levels of the work; and
- (d) likely mitigation and management measures which aim to achieve the relevant NMLs under

Condition E43 (including the circumstances of when respite or relocation offers will be available and details about how the affected community can access these offers).

The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour work must be provided to the ER, EPA and the Planning Secretary prior to the out-of-hours work commencing.

Note: Respite periods can be any combination of days or hours where out-of-hours work would not be more than 5 dB(A) above the RBL at any residence.

Part 3 – Summary of Requirements

3.1. Condition of Approval (SSI 10051)

The requirements of Condition of Approval E57 and where they have been addressed in this report is detailed in Table 3.1 below.

Table 3.1 – Summary of requirements

Condition	Requirement	Report Reference
CoA E57	Appropriate respite periods for the out-of-hours work must be identified in consultation with the community at each affected location on a regular basis. This consultation must include (but not be limited to) providing the community with:	Section 4.2 Appendix A
	(a) a progressive schedule for periods no less than three (3) months, of likely out-of-hours work;	
	(b) a description of the potential work, location and duration of the out-of-hours work;	Appendix A Appendix B
	(c) the noise characteristics and likely noise levels of the work; and	Appendix A Appendix B
	(d) likely mitigation and management measures which aim to achieve the relevant NMLs under Condition E43 (including the circumstances of when respite or relocation offers will be available and details about how the affected community can access these offers).	Section 3.3 Appendix A Appendix B

3.2. Respite Eligibility

In accordance with the Sydney Metro Construction Noise and Vibration Standard receivers are eligible for respite during Out of Hours activities when works are predicted to:

- Exceed 20-30dB LAeq above the noise management levels during the Evening period (6pm to 10pm)
- Exceed 10-20dB LAeq above the noise management levels during the night time period (10pm to 7am)
- Receivers are identified as highly noise impacted (>75dB)

Additional mitigation measures as per the CNVIS are included in Table 3.2

Table 3.2 – Out of Hours Mitigation Measures as per the CNVIS

Time Period		Mitigation Measures Predicted L _{Aeq(15 minute)} noise level above NML			
		0 to 10 dB	10 to 20 dB	20 to 30 dB	> 30 dB
Approved construction hours	Mon-Fri (7.00 am - 6.00 pm)	-	LB	LB, M, SN	LB, M, SN
	Sat (8.00 am - 1.00 pm)				
	Sun/Pub Hol (Nil)				
OOHW (Evening)	Mon-Fri (6.00 pm - 10.00 pm)	LB	LB, M	LB, M, SN, RO	LB, M, SN, IB, PC, RO
	Sat (1.00 pm - 10.00 pm)				
	Sun/Pub Hol (8.00 am - 6.00 pm)				
OOHW (Night)	Mon-Fri (10.00 pm - 7.00 am)	LB	LB, M, SN, RO	LB, M, SN, IB, PC, RO, AA	LB, M, SN, IB, PC, RO, AA
	Sat (10.00 pm - 8.00 am)				
	Sun/Pub Hol (6.00 pm - 7.00 am)				

Note: Phone calls (PC), Monitoring (M), Individual briefings (IB), alternative accommodation (AA), specific notification (SN), letterbox drop (LB), duration reduction (DR), Project specific respite offer (RO)

3.3. Mitigation Measures and Planned Respite

For the proposed out of hours works the following general mitigation measures and respite will be implemented:

- Plant and equipment not in use to be switched off.
- Noise monitoring to be undertaken to confirm the noise predictions and inform additional mitigation measures as required.
- Lighting aspects to be facing down to minimise the potential for light spill
- Targeted, ongoing consultation with the highest noise impacted receivers to seek feedback on the works as it progresses and determine reasonable and feasible measures to address any raised concerns.

Part 4 – Compliance Discussion

4.1. Consultation Overview

Community consultation has been undertaken prior to commencement of Out of Hours Works associated with the SCAW pavement works at the Luddenham Road round-about / DNVIS 004 in accordance with the CPBUI Community Communication Strategy (CCS) and EPL 21695.

Consultation included:

- Formal letterbox distribution of a written notification to all residents of Twin Creeks and Luddenham Road for both
 - Monthly project update, including 3 months look-ahead.
 - Distribution of Specific Out of Hours Works notification(s),
 - Targeted consultation with identified residents around the works area as per the SM CNVS and DNVIS 04.

4.2. Notification – Monthly Update

In accordance with the CPBUI Community Consultation Strategy a Monthly notification is distributed to all receivers around the SCAW project to detail:

- Upcoming Works
- Out of Hours Works
- Equipment
- Traffic changes,
- Maps,
- Request for feedback and contact information.

As part of this Monthly notification SMWSA have included detail of prepared DNVIS for the works in the area and a request for feedback to inform alternative mitigation measures to address receiver specific requirements as per CoA E57. Received feedback would trigger a review and revision of the DNVIS.

The Monthly notification for April 2024 is provided as Appendix A.

4.3. Notification – Specific OOHW Notification

As per the project EPL and CCS a specific notification is distributed prior to upcoming Out of Hours Works.

The notification included specific detail on the proposed works including:

- Work details,
- Timeline,
- “What to expect” – including proposed mitigation measures,
- Equipment,
- Changes to traffic, and
- Request for feedback.

This notification is provided as Appendix B.

4.4. Targeted Consultation

While similar activities at the proposed works location have previously been undertaken in late 2023 with no community complaint, as per the project EPL and CCS targeted consultation was conducted at those properties identified in the DNVIS as most effected by the works to ascertain any specific feedback.

A summary of the consultation is provided below.

Receiver Address	Unique ID	NML	Predicted Level (Laeq)	Notification Distribution	Specific Distribution	Target Contact (RO/AA)	Feedback/Acceptance
[REDACTED]		35	48	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	No Response
		35	47	Monthly Notification April and May 2024	April and May 2024	28/03	Agree
		35	46	Monthly Notification April and May 2024	April and May 2024	28/03	Agree
		35	50	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04e	No Response
		35	51	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	No Response
		35	51	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	Agree
		35	46	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	Agree
		35	47	Monthly Notification April and May 2024	April and May 2024	28/03	Agree
		35	47	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	No Response
		35	49	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	Agree
		35	47	Monthly Notification April and May 2024	April and May 2024	28/03	Agree

Receiver Address	Unique ID	NML	Predicted Level (Laeq)	Notification Distribution	Specific Distribution	Target Contact (RO/AA)	Feedback/Acceptance
[REDACTED]		35	46	Monthly Notification April and May 2024	April and May 2024	28/03	Agree
		35	44	Monthly Notification April and May 2024	April and May 2024	28/03	Agree
		35	48	Monthly Notification April and May 2024	April and May 2024	28/03	Agree
		35	44	Monthly Notification April and May 2024	April and May 2024	28/03	No Response [REDACTED]
		35	44	Monthly Notification April and May 2024	April and May 2024	28/03	No Response [REDACTED]
		35	42	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	Agree
		35	47	Monthly Notification April and May 2024	April and May 2024	28/03	No Response
		35	45	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	Agree
		35	46	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	Agree
		35	47	Monthly Notification April and May 2024	April and May 2024	28/03	Agree
		35	55	Monthly Notification April and May 2024	April and May 2024	28/03	Agree

Receiver Address	Unique ID	NML	Predicted Level (Laeq)	Notification Distribution	Specific Distribution	Target Contact (RO/AA)	Feedback/Acceptance
[REDACTED]		35	53	Monthly Notification April and May 2024	April and May 2024	28/03	No Response
		35	57	Monthly Notification April and May 2024	April and May 2024	28/03	Agree
		35	55	Monthly Notification April and May 2024	April and May 2024	28/03	Agree
		35	49	Monthly Notification April and May 2024	April and May 2024	28/03 and 03/04	Property Vacant

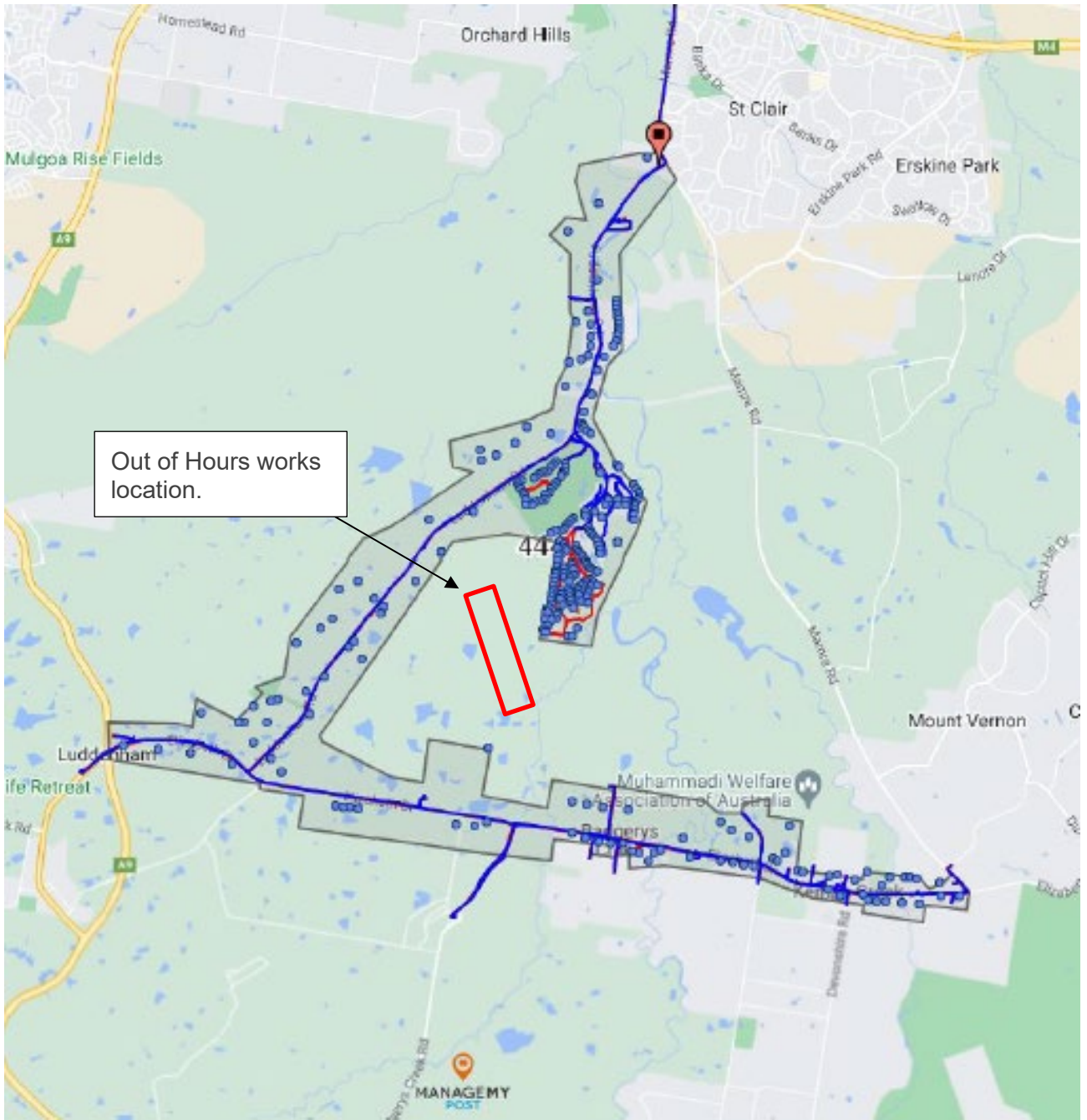


Figure 2 – Distribution Map for notifications

Part 5 - Conclusion

All consultation undertaken to date has resulted in no feedback or preferences on specific mitigation measures or respite periods.

Mitigation measures and respite provision requirements established in the Sydney Metro Construction Noise and Vibration Standard and Project EPL 21695, as detailed in Section 3.3, will be substantially implemented during the works and follow-up consultation will be undertaken by the CPBUI Community Engagement to ascertain feedback on the works and opportunities for improvement of noise mitigation measures or additional respite.

As per E57, if any feedback is received it will be considered and implemented where feasible, and any specific feedback or preferences on mitigation measures included in a revision of the DNVIS.

Appendices

Appendix A – Monthly Notification

Notification – Luddenham and Badgerys Creek

May 2024

Sydney Metro is Australia's biggest public transport project.

Sydney Metro – Western Sydney Airport is the new metro railway line which will service Greater Western Sydney and the new Western Sydney International (Nancy-Bird Walton) Airport. A city-shaping project, the 23-kilometre new railway will connect the Western Sydney Aerotropolis in the south with St Marys in the north – where customers can connect to the existing Sydney Trains suburban T1 Western Line. The NSW and Australian governments have a shared objective of having Sydney Metro – Western Sydney Airport operational when the airport opens for passenger services.

CPB Contractors and United Infrastructure Joint Venture (CPBUI JV) are completing the surface and civil alignment works contract for Sydney Metro – Western Sydney Airport.

Work in May will include:

- Deliveries and placement of sandstone at Luddenham South and Western Sydney Airport Land
- Ongoing surface formation and earthworks for the track alignment between Warragamba Pipelines and Western Sydney Airport land
- Ongoing construction of access roads along the alignment
- Construction of the concrete Viaduct abutments (on/off ramp) Luddenham North and Luddenham South
- Out-of-hours Earthworks along the alignment at Luddenham South
- Stormwater drainage installation and box drain construction
- Finishing works including topsoiling, landscaping and installation of open drains and fencing
- Fortnightly aerial land surveys of the surface alignment to inform the construction design and planning of the project.
- Installation and removal of traffic speed limit signage on Luddenham Road.

What to expect:

- Work will be completed during standard construction hours **Monday to Friday, 7am to 6pm** and **Saturday, 8am to 1pm**. Nearby residents and businesses will be notified in advance of the out-of-hours work
- Work for the extension of 60km/h Speed Zone between Twin Creeks Drive and 564 Luddenham Road, including installation and removal of traffic speed limit signage on Luddenham Road. This work requires **one working day** between **1 May to 10 May**, during standard construction hours
- An increase in heavy vehicles entering the site compound off Elizabeth Drive, Badgerys Creek and Luddenham Road, Luddenham
- Surveying work will occur via a vehicle-mounted camera, surveyor on foot with a camera and tripod, and a drone to capture aerial data from construction sites
- Increased vehicle movements on surrounding roads



Additional what to expect:

- Workers on foot installing new signage and painting speed limits on road
- Please refer to maps on page three and four showing work locations.

Out-of-hours work:

Activity	Equipment	Location	Work hours	Timing
Earthworks	Lighting towers, light and heavy vehicles, generators and heavy machinery	Luddenham South	5pm to 7am Monday - Friday	May to June
Concrete pours - Abutment work	Concrete pump, vibrators, concrete trucks, generators and lighting towers	Luddenham South	5am to 7am Monday - Friday	May to June
Abutment Steelfixing and Formwork Installation	Lighting towers, light vehicles, hand tools, heavy machinery	Luddenham North/South	6pm to 7am Monday - Friday	May to June
Concrete segment deliveries and installation	Lighting towers, light and heavy vehicles, hand tools, light and heavy machinery, and mobile cranes	Luddenham North	6pm to 7am Monday - Friday	June to December

We will contact directly impacted residents regarding these works. If you have any questions or would like to provide feedback regarding this out-of-hours work, please contact [REDACTED] your Community Place Manager from CPBUI JV on our 24-hour community information line **1800 717 703** or email sydneymetrowsa@transport.nsw.gov.au.

Equipment used:

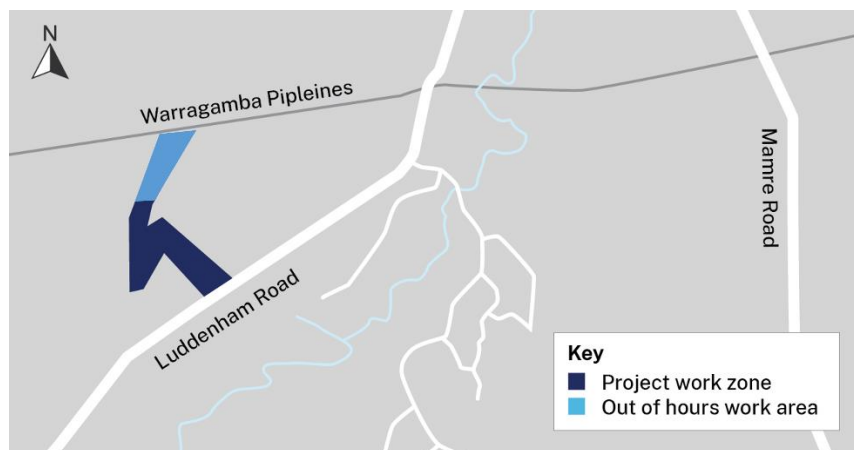
Equipment for this work includes but is not limited to hand tools, generators, lighting towers, mobile drill rig, excavator, backhoe, heavy machinery, trucks, vacuum truck, portable toilets, temporary shipping container, water carts, light and heavy vehicles, surveying drone and drone remote control, traffic control equipment, truck mounted attenuator (TMA), truck with arrow board, ERSED management equipment, non-intrusive utility scanning equipment, hand saw, jack hammer, non-destructive digging truck, hand power tools, line marking kit, spray truck, paint grinder.

Changes to traffic, pedestrian, and cyclist routes:

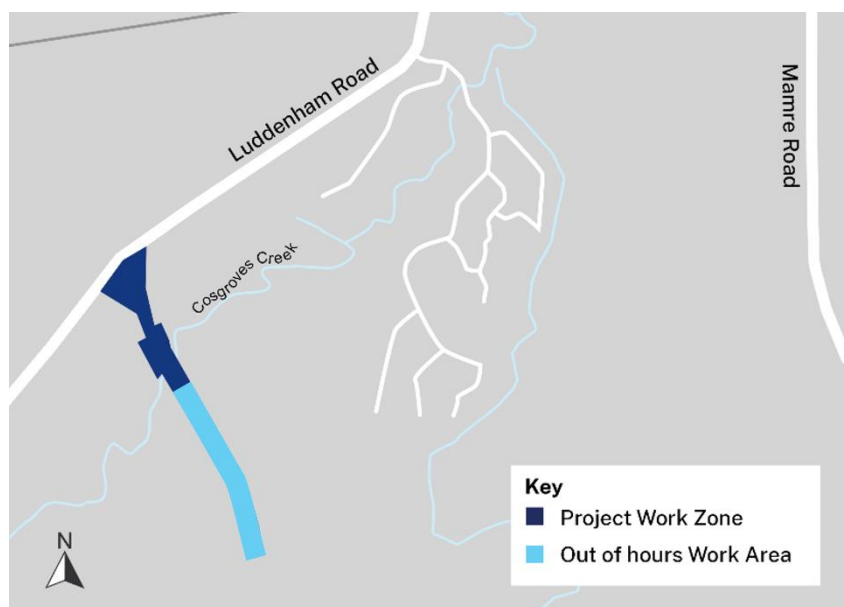
During the work, traffic controllers and signage will be in place to safely assist motorists, pedestrians, and cyclists around work areas. Access to driveways and buildings will be maintained.



Map 1: Luddenham North work location



2: Luddenham South work location



Map 3: Badgerys Creek work location



Map 4: Luddenham Road Speed Limit changes

Luddenham Road, Luddenham - Extension of 60 Zone
Between Twin Creeks Drive and 564 Luddenham Road



Transport
for NSW



Detailed Noise and Vibration Impact Statement (DNVIS) for the area has been prepared including proposed mitigation measures as a result of noise modelling. We invite your feedback if alternative measure may be required for your specific circumstances. CPBUI's Community Communication Strategy is available online at www.cpbcontractors.cc/SCAWstrategy (community).

To provide feedback on the plan, please contact the CPBUI community team on **1800 717 703** or sydneymetrowsa@transport.nsw.gov.au.

Thank you for your cooperation while we complete this essential work

Contact us



24-hour Community Information Line **1800 717 703**



sydneymetrowsa@transport.nsw.gov.au



Sydney Metro – Western Sydney Airport,
PO Box K659, Haymarket NSW 1240



Access information in over 100 languages
Download **Sydney Metro Connect** from the
App store or get it on Google Play.



Translating and interpreting service

If you need help understanding this information, please contact the Translating and Interpreting Service on **131 450** and ask them to call us on **1800 717 703**



Subscribe for updates at sydneymetrowsa@transport.nsw.gov.au

<https://www.sydneymetro.info/privacy-policy>

Appendix B – Specific Notification

Notification – Luddenham South

Out-of-hours work

April 2024

Sydney Metro – Western Sydney Airport is the new metro railway line which will service Greater Western Sydney and the new Western Sydney International (Nancy-Bird Walton) Airport. A city-shaping project, the 23-kilometre new railway will connect the Western Sydney Aerotropolis in the south with St Marys in the north – where customers can connect to the existing Sydney Trains suburban T1 Western Line. The NSW and Australian governments have a shared objective of having Sydney Metro – Western Sydney Airport operational when the airport opens for passenger services.

CPB Contractors and United Infrastructure Joint Venture (CPBUI JV) are completing the surface and civil alignment works contract for Sydney Metro – Western Sydney Airport.

Out-of-hours work:

Essential work will be carried out to complete earthworks for the surface alignment at project site Luddenham South. The out-of-hours work will be carried out up to **five nights** a week between **6pm and 5am** from **Monday 15 April 2024 to Saturday 29 June 2024**, weather depending. Work will also take place during our standard construction hours **Monday to Friday, 7am to 6pm** and **Saturday, 8am to 1pm**. We will not work Saturday and Sunday nights or Public Holidays.

Carrying out this work out-of-hours will minimise impact and safety risks on the local community, road users and our workers.

Work will include:

- Operation of heavy vehicles and machinery
- Steel fixing and formwork
- Out-of-hours delivery of materials
- Surface formation and earthworks for the track alignment

What to expect:

- Out-of-hours heavy vehicle and machinery movement within the project work zone
- Out-of-hours heavy vehicle movement to and from our project work area onto Luddenham Road
- Work may be noisy at times; we will try to minimise its impact by doing noisier tasks before midnight and ensure all equipment and vehicles are turned off when not in use

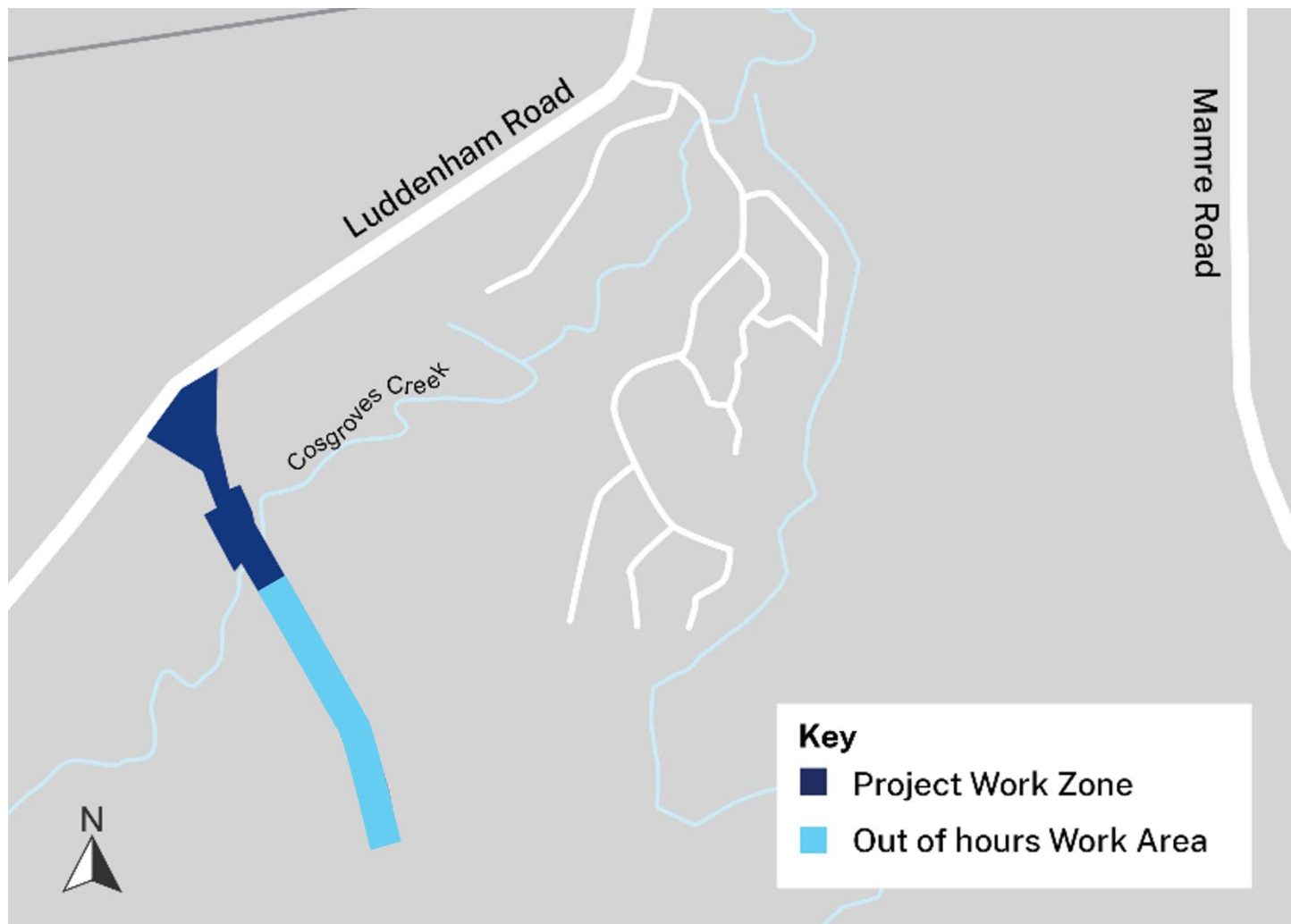
Equipment used:

Equipment for this work includes but is not limited to trucks, water carts, hand tools, lighting towers, excavator, light and heavy vehicles.



Please see map below showing the out-of-hours work area.

Luddenham Road Project Zone



If you would like to discuss this work, please contact [REDACTED] your Community Place Manager from CPBUI JV on our 24-hour community information line **1800 717 703** or email enquiries@cpbuijv.com.au.

Contact us



24-hour Community Information Line **1800 717 703**



sydneymetrowsa@transport.nsw.gov.au



Sydney Metro – Western Sydney Airport,
PO Box K659, Haymarket NSW 1240



Access information in over 100 languages
Download **Sydney Metro Connect** from the App store or get it on Google Play.



Translating and interpreting service

If you need help understanding this information, please contact the Translating and Interpreting Service on **131 450** and ask them to call us on **1800 717 703**



Subscribe for updates at projects@transport.nsw.gov.au

https://www.transport.nsw.gov.au/privacy-statement#Your_Privacy