

E57 Consultation Report

Luddenham Roundabout OOHW

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	A

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

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	5
Part 2 – Scope of this report.....	6
Part 3 – Summary of Requirements	7
3.1. Condition of Approval (SSI 10051)	7
3.2. Respite Eligibility	8
3.3. Mitigation Measures and Planned Respite	8
For the proposed out of hours works the following general mitigation measures and respite will be implemented:.....	8
Part 4 – Compliance Discussion	9
4.1. Consultation Overview	9
4.2. Notification – Specific Notification.....	9
4.3. Notification Distribution Map.....	9
4.4. Door Knocking – Consultation	10
Part 5 - Conclusion.....	14
Appendices.....	15
Appendix A – Specific Notification	16

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.

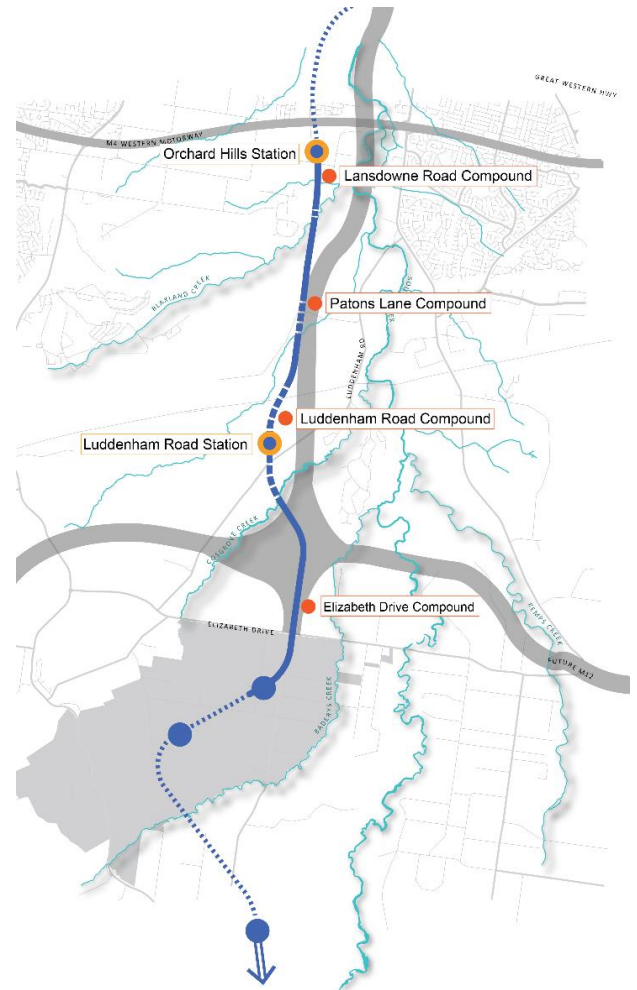


Figure 1 – Overview of the SCAW Project

1.2.2. Out of Hours Scope of Works

Some activities such as construction and utility works on busy roads must be carried out at night for the safety of workers and motorists.

For the future Luddenham Road roundabout the scope of upcoming out of hour works scheduled to commence on the 23rd October 2023 includes:

- Barrier placement,
- Earthworks,
- Asphalt milling and placement,
- Kerb and gutter installation, and
- Line marking,

This work is programmed to complete on the 24th November 2023 and are detailed in SCAW Detailed Noise and Vibration Impact Statement (DNVIS) 004 – Patons to Cosgroves Creek and the location is provided in Figure 2 below.

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 works activities proposed at Luddenham Roundabout 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
	(c) the noise characteristics and likely noise levels of the work; and	Appendix A
	(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

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 Luddenham Roundabout / DNVIS 004 in accordance with the CPBUI Community Communication Strategy (CCS) and Project Environmental Protection Licence (EPL) 21695.

Consultation included a formal letterbox distribution of a written notification to all residents of Twin Creeks and Luddenham Road for outlining the proposed out of hours works and door knocking of those potentially affected receivers.

4.2. Notification – Specific Notification

As per the project EPL and CCS a specific notification is distributed no less than 7 days prior to upcoming out of hours works. For the proposed out of hours work a specific notification was issued to the residents of Twin Creeks and Luddenham Road on the 18th October 2023.

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 A.

4.3. Notification Distribution Map

The full distribution map for project notifications is detailed in Figure 2 below.

4.4. Door Knocking – Consultation

As per the project EPL and CCS door knocking 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.

Table 1 – Community Consent Response Summary

Receiver address	Unique_ID	Predicted Level (LAeq)	English Speaking ?	Answered?	Feedback
1 PORTRUSH CRESCENT, TWIN CREEKS	530	47			
10 PORTRUSH CRESCENT, TWIN CREEKS	532	49			
11 PORTRUSH CRESCENT, TWIN CREEKS	533	50			
12 PORTRUSH CRESCENT, TWIN CREEKS	535	47			
13 PORTRUSH CRESCENT, TWIN CREEKS	539	49			
14 PORTRUSH CRESCENT, TWIN CREEKS	543	45			
15 PORTRUSH CRESCENT, TWIN CREEKS	545	50			
16 PORTRUSH CRESCENT, TWIN CREEKS	546	45			
17 PORTRUSH CRESCENT, TWIN CREEKS	552	52			
18 PORTRUSH CRESCENT, TWIN CREEKS	555	46			
19 PORTRUSH CRESCENT, TWIN CREEKS	557	53			
2 PORTRUSH CRESCENT, TWIN CREEKS	559	45			
21 PORTRUSH CRESCENT, TWIN CREEKS	561	52			

Receiver address	Unique_ID	Predicted Level (LAeq)	English Speaking ?	Answered?	Feedback
22 PORTRUSH CRESCENT, TWIN CREEKS	562	47			
23 PORTRUSH CRESCENT, TWIN CREEKS	565	50			
24 PORTRUSH CRESCENT, TWIN CREEKS	567	49			
26 PORTRUSH CRESCENT, TWIN CREEKS	570	50			
28 PORTRUSH CRESCENT, TWIN CREEKS	573	47			
30 PORTRUSH CRESCENT, TWIN CREEKS	575	51			
34 PORTRUSH CRESCENT, TWIN CREEKS	576	52			
34 PORTRUSH CRESCENT, TWIN CREEKS	578	45			
36 PORTRUSH CRESCENT, TWIN CREEKS	582	48			
38 PORTRUSH CRESCENT, TWIN CREEKS	583	54			
40 PORTRUSH CRESCENT, TWIN CREEKS	586	52			
42 PORTRUSH CRESCENT, TWIN CREEKS	587	52			
44 PORTRUSH CRESCENT, TWIN CREEKS	589	53			
46 PORTRUSH CRESCENT, TWIN CREEKS	591	56			
48 PORTRUSH CRESCENT, TWIN CREEKS	593	54			
5 PORTRUSH CRESCENT, TWIN CREEKS	598	45			

Receiver address	Unique_ID	Predicted Level (LAeq)	English Speaking ?	Answered?	Feedback
52 PORTRUSH CRESCENT, TWIN CREEKS	602	53			
54 PORTRUSH CRESCENT, TWIN CREEKS	604	51			
56 PORTRUSH CRESCENT, TWIN CREEKS	605	50			
58 PORTRUSH CRESCENT, TWIN CREEKS	606	50			
6 PORTRUSH CRESCENT, TWIN CREEKS	607	46			
60 PORTRUSH CRESCENT, TWIN CREEKS	611	49			
62 PORTRUSH CRESCENT, TWIN CREEKS	614	48			
64 PORTRUSH CRESCENT, TWIN CREEKS	616	47			
66 PORTRUSH CRESCENT, TWIN CREEKS	617	46			
68 PORTRUSH CRESCENT, TWIN CREEKS	618	46			
8 PORTRUSH CRESCENT, TWIN CREEKS	621	46			

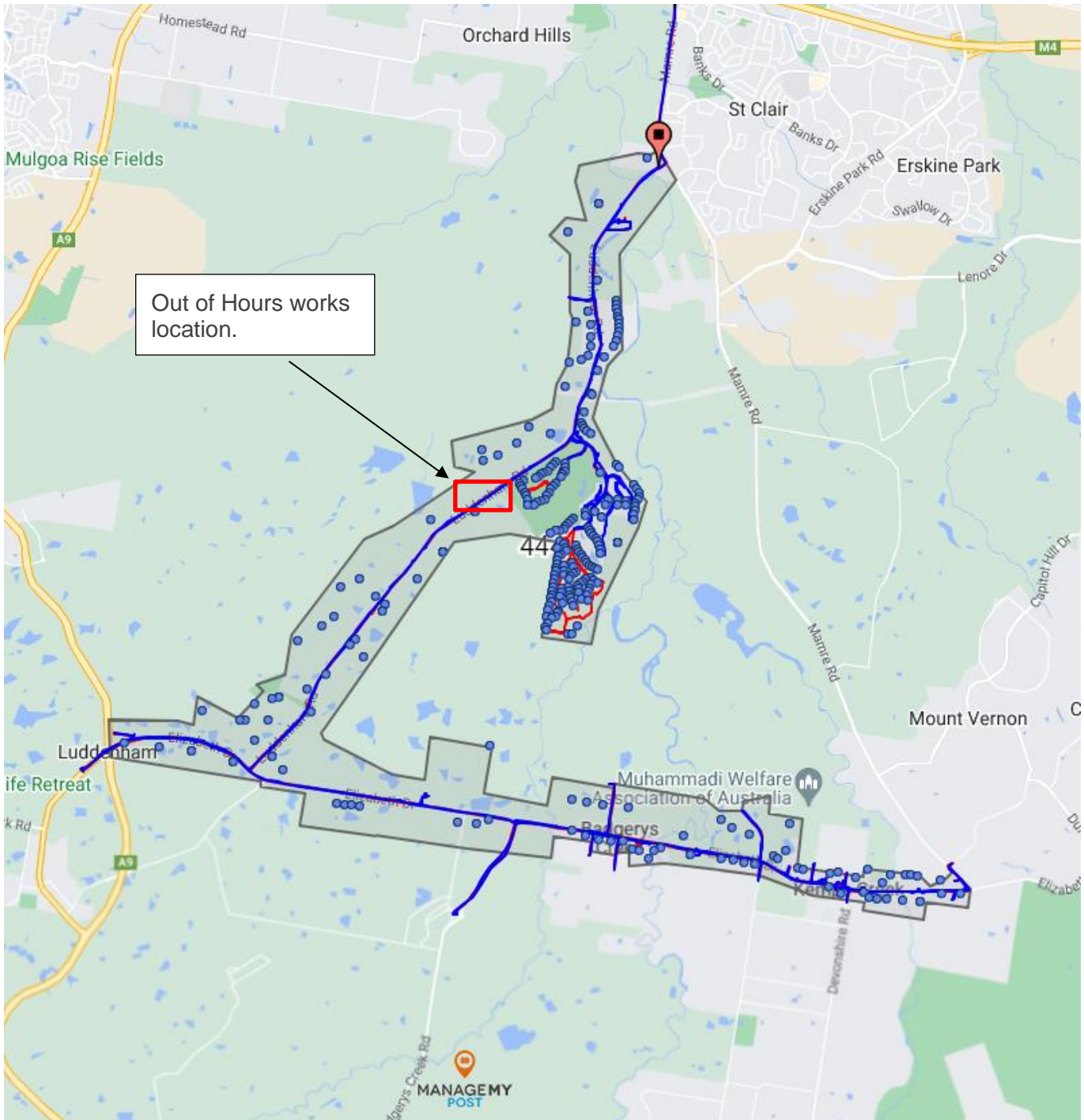


Figure 2 – Distribution Map for notifications

Part 5 - Conclusion

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

The standard mitigation measures and respite requirements established in the Sydney Metro Construction Noise and Vibration Standard and Project EPL 21695, as detailed in Section 3.3, will be implemented during the works and follow-up consultation will be undertaken by the CPBUI Community Engagement to ascertain the effectiveness of the implemented controls and seek additional feedback.

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 – Specific Notification

Notification – Luddenham Road, Luddenham Roundabout Out of hours work

October 2023 to December 2023

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 on Luddenham Road will include:

- Installation of work zone fences and safety barriers
- Construction of a roundabout to connect Luddenham Road with the access road for the future Luddenham Station
- Asphaltting of new road surface and concreting of kerbs and gutters
- Installation of line marking and signage
- Operation of heavy vehicles and machinery
- Restoration of the area on completion.

What to expect:

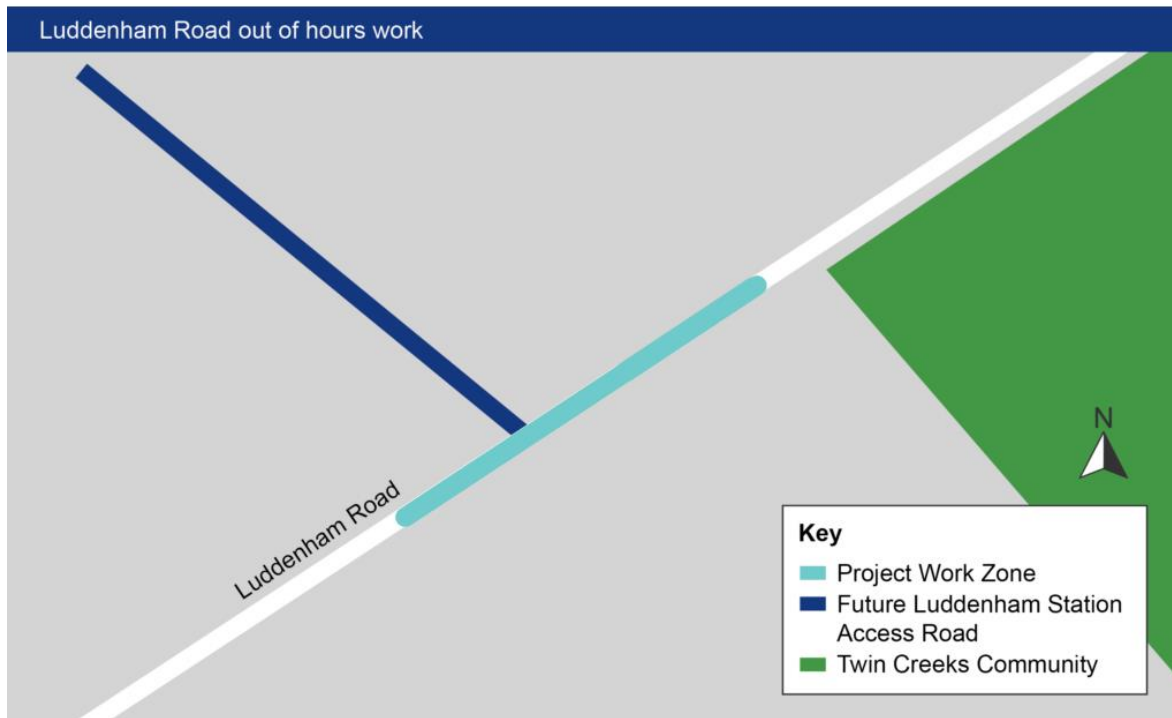
- Construction will be between **Monday 23 October 2023** to **Saturday 9 December 2023**, weather depending
- To ensure safety and efficiency, work will be completed up to **five nights a week** between **7am Monday** through to **6pm Saturday**.
- Temporary single lane closures, traffic control and a reduced speed limit
- An increase in heavy vehicles and machinery at this location
- We have consulted all directly impacted stakeholders regarding this work.

Equipment used:

Equipment for this work includes but is not limited to survey equipment including excavator, jackhammer, backhoe, hand tools, trucks, water carts, lighting towers, portable traffic lights, light and heavy vehicles.

Please see map below showing the work location.

Luddenham Road Project Zone



A Detailed Noise and Vibration Impact Statement (DNVIS) for the area has been prepared, including proposed mitigation measures such as noise reduction devices fitted to plant and equipment, turning off plant, machinery and vehicles when not in use, based on the DNVIS noise modelling. For further information on the modelling and mitigations, please contact the CPBUI community team on **1800 717 703** or sydneymetrowsa@transport.nsw.gov.au CPBUI's Community Communication Strategy is also available online at www.cpbcontractors.cc/SCAWstrategy (community).

Thank you for your cooperation while we complete this important work.

 **1800 717 703** Community information line open 24 hours

 **sydneymetrowsa@transport.nsw.gov.au**

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

 If you need an interpreter, contact TIS National on **131 450** and ask them to call **1800 717 703**

SCAW00035

sydneymetro.info