

Lookout Working Worksite Protection for Leppington to Leppington Stabling Yard routine network maintenance activities

DOCUMENT NO.	D2021/24409
WORK DESCRIPTION	Routine network maintenance activities
WPP Number	SW3B 12955
SCOPE:	<p>This SWI is applicable for the worksite protection arrangements using lookout working concerning routine network maintenance, defect management and repair of assets within the limits specified below and in the attached plan.</p> <p>Work activities include:</p> <ul style="list-style-type: none"> Routine preventative and corrective work such as inspections and maintenance as appropriate for the type of protection being applied as part of this plan.
AUTHORISATIONS:	<p>Protection Officer: Protection Officer Level 1 or higher</p> <p>Lookout: Engineering Hand signaller Level 1 or higher or Protection Officer Level 1 or higher.</p>
SAFETY CONTROLS: Lookout working arrangements	<p>The nominated worksite location for Lookout Working includes the Leppington Up Main, Leppington Down Main, Leppington Up Loop, Leppington Down Loop and all tracks Leppington Stabling Yard from 200 points to End of Terminal Line.</p> <p>The nominated worksite location for Lookout Working is a moving worksite, where workers are working along the track within the limits of the nominated worksite location up to the where the Lookout is established.</p> <p>As work moves along the track, the Protection Officer must assess the new location and:</p> <ul style="list-style-type: none"> Establish and/or re-establish Lookouts as required to watch for approaching rail traffic from all entry points Designate and instruct which safe places the workers are to use as the work is completed along the work route within the worksite limits.
PRESTART REQUIREMENTS:	<p>Protection Officer assessment checklist must be completed before instructions in this SWI are followed.</p> <p>Tools and equipment required:</p> <ul style="list-style-type: none"> Protection Officer requires a phone to contact the Signaller. Lookouts require a high-visibility arm sleeve and a whistle/horn.
FURTHER INFORMATION:	<p><i>NWT 300 Planning work in the Rail Corridor</i></p> <p><i>NWT 310 Lookout Working</i></p> <p><i>NPR 711 Using Lookouts</i></p> <p><i>NPR 751 Calculating Minimum Warning Time</i></p> <p><i>NPR 712 Protecting work from rail traffic on adjacent lines</i></p> <p><i>NGE 200 Walking in the Danger Zone</i></p> <p><i>Lookout Working Prohibited Locations Register</i></p> <p><i>NLA 514</i></p>

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Protection Officer assessment checklist

Protection Officer's name:		Yes (Tick if Yes)
This document has not expired 12 months beyond the issue date.		
SWI details and protection arrangements have been reviewed and validated for the assessed worksite location, including: <ul style="list-style-type: none"> On-site safety assessment has been completed for relevancy of works being undertaken The required protection details, environment and tasks are unchanged from the details of this SWI 		
The Protection Officer and Qualified Workers deploying qualifications are current and have practiced in the last 6 months. If not practiced, then a Rail Safety Coach must be contacted for guidance.		
Corridor Safety Number	Protection Officer Signature	Date



Warning

If an above item does not apply, the Protection Officer must not use this Safe Work Instruction. A new worksite protection plan must be completed in accordance with NRF 014 Worksite Protection Pre-work briefing and NRF 015 Worksite Protection Plan.

Safe Work Instruction



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Worksite Protection Pre-work Briefing

Briefing date:

Protection Officer details

Work location:

Scope of work:

Worksite protection: Refer to Worksite Protection Plan for details

Hazards (e.g. Site specific hazards identified, including physical environment, human errors, plant and equipment)	Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level)	Person responsible for Control
<ul style="list-style-type: none"> Approaching rail traffic 	Lookouts must be trained and competent to perform lookout duties. Lookouts must be rotated if performing lookout for extended periods of time Workers to remain within worksite limits as set out in this procedure. Lookouts must be placed as per protection plan on page 8. Workers are to stop work and move to a safe place immediately on being warned by the lookouts	Protection Officer and Lookout
<ul style="list-style-type: none"> Live adjacent lines 	Lookouts must provide warning to workers when rail traffic is approaching from the adjacent line in either direction.	Protection Officer and Lookout
Two - way running / multiple entry points into worksite	One Lookout placed watching each direction before work starts. Lookouts are to warn workers of approaching rail traffic, including rail traffic entering or travelling within the worksite. Workers are to stop work and move to a safe place.	Protection Officer and Lookout
Obstruction to Minimum Sighting Distance	Lookouts must provide warning to the workers whenever their line of sight is obstructed by passing rail traffic. Workers must stop work and move to a safe place and reassess positioning and method	Protection Officer and Lookout
Adjoining/Surrounding Worksites	Lookouts must have two independent audible warning devices that can be heard by workers over any noise generated by adjoining/surrounding worksites. Lookouts are to provide warning if their line of sight is obstructed by adjoining/surrounding worksites.	Protection Officer and Lookout
Access to / Egress from worksite	Access and egress points must be agreed prior to entering the danger zone, consideration should be given to ease of access and safest possible entry and exit points.	All
Slips, trips, falls and hazards carrying equipment	Protection Officer will assess and instruct when it is safe for workers to use <i>NGE 200 Walking in the Danger Zone</i> to move to the worksite or safe place.	All
Mobile phone	Mobile phones use is not permitted in the danger zone unless being used by maintenance staff for critical maintenance communications or recording of defects.	All

Safe Work Instruction



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Workplace Supervisor details

name contact No.

Emergency assembly point: SWMS/SWI Ref #:

First aid kit location: First aider:

Workplace Supervisor acknowledgement

The Workplace Supervisor acknowledges that all identified WHS and rail safety hazards have the appropriate controls in place to manage and/or eliminate the hazards. Yes signature

Participant Acknowledgement

NOTE: Recipients of the briefing are to question the Briefer if they don't understand any part of this briefing.

- All workers listed below acknowledge that they:
- | | |
|---|---|
| 1. have been inducted to the site | 6. have been briefed on the contents of the Worksite Protection Plan |
| 2. are free from alcohol and drugs | 7. have been shown the Worksite Protection Plan diagram |
| 3. are free from the effects of fatigue | 8. understand the kinds and limits of worksite protection in place |
| 4. hold the applicable and current Rail Safety Worker Authorisation, trade licence and/or induction record e.g. Construction Industry Induction | 9. have been briefed about any new hazards and controls identified during the final site inspection (<i>final site inspection must be conducted immediately before commencing work</i>) |
| 5. must wear the appropriate Personal Protective Equipment (PPE) | |

Mark each check box below with a tick if the item applies or a cross if the item does not apply.

- | | |
|---|---|
| <input type="checkbox"/> have been informed of the requirements of the electrical permit (if required) | <input type="checkbox"/> have been made aware of any hazardous materials/substances on site |
| <input type="checkbox"/> have been briefed on the SWMS/SWIs/documentated safe work practice for the job | <input type="checkbox"/> have been briefed on Safety Data Sheets (SDS) |
| <input type="checkbox"/> have been instructed in the controls recorded in this document and SWMS/SWIs | <input type="checkbox"/> have been briefed on the WHS Management plan |
| | <input type="checkbox"/> have been briefed on the hazards of adjoining worksites/processes. |

Name	Signature	Time of briefing: hh:mm	Amendment briefing: hh:mm and initial

Prepared using SMS-06-TP-4317 v1.5, Custodian: Senior Safety Specialist Safety Systems; Approver: Director Safety and Standards; Issue date: 19/08/2021

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Worksite Protection Plan – Lookout Working

Signaller details

<input type="text" value="name"/>	<input type="text" value="Glenfield Panel"/>	<input type="text" value="02 8568 3442"/>
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Protection Officer details

<input type="text" value="name"/>	<input type="text" value="signature"/>	<input type="text" value="contact No."/>
<input type="text" value="RSW or RIW No."/>	<input type="text" value="designation"/>	Planned duration <input type="text"/>

Workplace Supervisor details:

Type of work:

Worksite location

on the

between and

on the

between and

Worksite assessment

Has the Lookout Working Prohibited Locations Register been consulted? Yes

Warning method

Whistle Horn

Minimum Warning Time Calculations

Maximum track speed

Number of Lookouts used Position of Lookouts to

Number of additional Lookouts* used Position of Lookouts to

Note - Lookouts are relocated to positions within these KMs as workers move along the worksite.

<input type="text" value="7 sec"/>	+	<input type="text" value="3 sec"/>	+	<input type="text" value="10 sec"/>		<input type="text" value="20 sec"/>	<input type="text" value="60 km/h"/>	<input type="text" value="334 metres"/>
<input type="text" value="7 sec"/>	+	<input type="text" value="3 sec"/>	+	<input type="text" value="10 sec"/>	= Minimum Warning Time (MWT)	<input type="text" value="20 sec"/>	<input type="text" value="25 km/h"/>	<input type="text" value="139 metres"/>
<input type="text" value="7 sec"/>	+	<input type="text" value="3 sec"/>	+	<input type="text" value="10 sec"/>	<i>(S+M+10 sec = MWT)</i>	<input type="text" value="20 sec"/>	<input type="text" value="15 km/h"/>	<input type="text" value="84 metres"/>
<i>See Time (S)</i>		<i>Move Time (M)</i>		<i>Safe Time</i>			<i>Track speed</i>	<i>Minimum Sighting Distance as calculated</i>

Note – Additional MWT calculations can be recorded in the Protection Officer’s Diary.

Where are the safe places identified for the Lookouts and the workers?

Lookouts:

Workers:

Ensure the workers have been briefed about these work details Yes

Diagrams, notes, and detailed instructions are over the next pages. These are to be read and followed as part of this worksite protection plan for Lookout Working.

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INSTRUCTIONS:

1. Workers enter the rail corridor via Leppington Stabling Yard Employees Car Park
2. Protection Officer briefs workers about the worksite protection arrangements.
3. Protection Officer contacts Glenfield Panel and tells the Signaller about the use of Lookout Working.
4. Establish Lookouts at designated locations.
5. Workers start work up to designated locations.
6. Workers move to safe place.
7. Re-establish Lookouts at next designated location.
8. Repeat steps 5-7 until work is complete.
9. Workers move to a safe place.
10. Recall lookouts.
11. Workers egress the worksite via Leppington Rickard Rd access gate,
12. Protection Officer contacts Glenfield Panel to end Lookout Working.

ADDITIONAL DETAILS

Obstruction to Minimum Sighting Distance

Work groups must ensure they are inducted into **Leppington Stabling Yard** prior to commencing work. Leppington Yard is two-way running where rail traffic movements can occur in any direction at any time between Yard Limits. Stabled rail traffic on any tracks may obstruct minimum sighting distance. When this hazard is identified, workers must stop work and move to a safe place until the Protection Officer makes an assessment and relocates lookouts to achieve the required minimum sighting distance.

LOOKOUTS



Image 1: View towards country from Leppington Platform 4

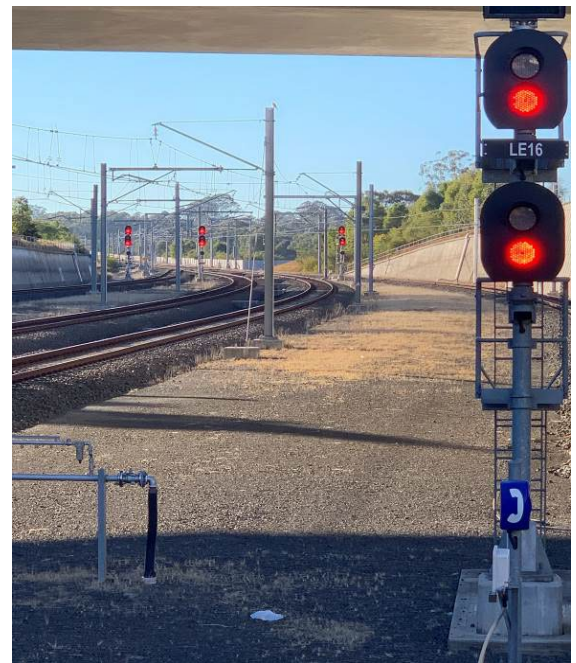


Image 2: View towards city from Leppington Platform 4

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Image 3: Lookout in Down cess near LE 31 signal looking for approaching down rail traffic



Image 4: Location of Lookout in Down cess near LE 31 signal looking for approaching up rail traffic



Image 5: View towards City from Lookout Position, Stabling Yard



Image 6: View towards Country (Terminations) from Lookout Position, Stabling Yard

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Access/Egress



Image 1: Access to Leppington Stabling Yard off McCann Rd



Image 2: Access to the rail corridor via Leppington Stabling Yard Carpark

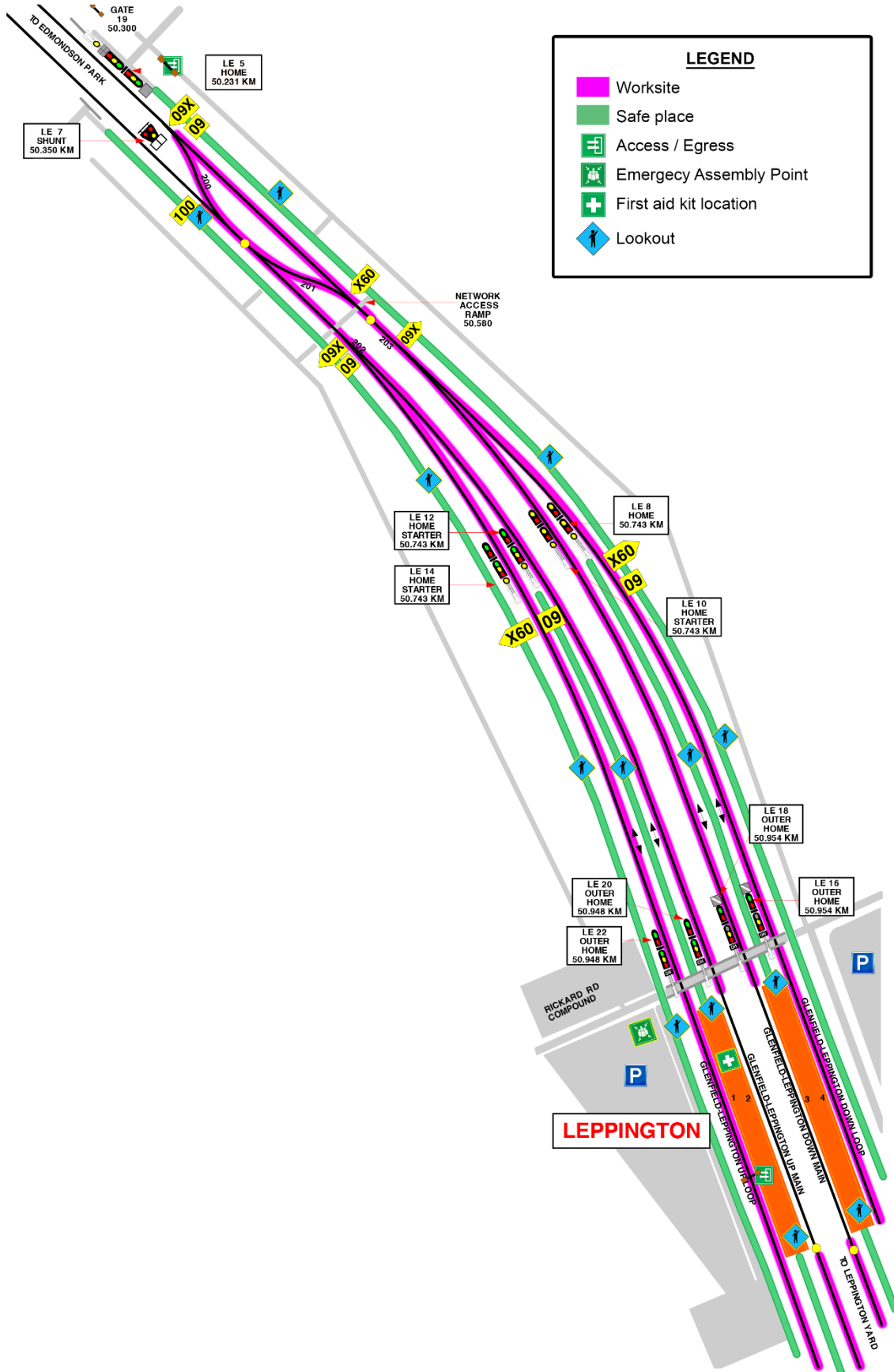


Image 3: Leppington Stabling Yard office

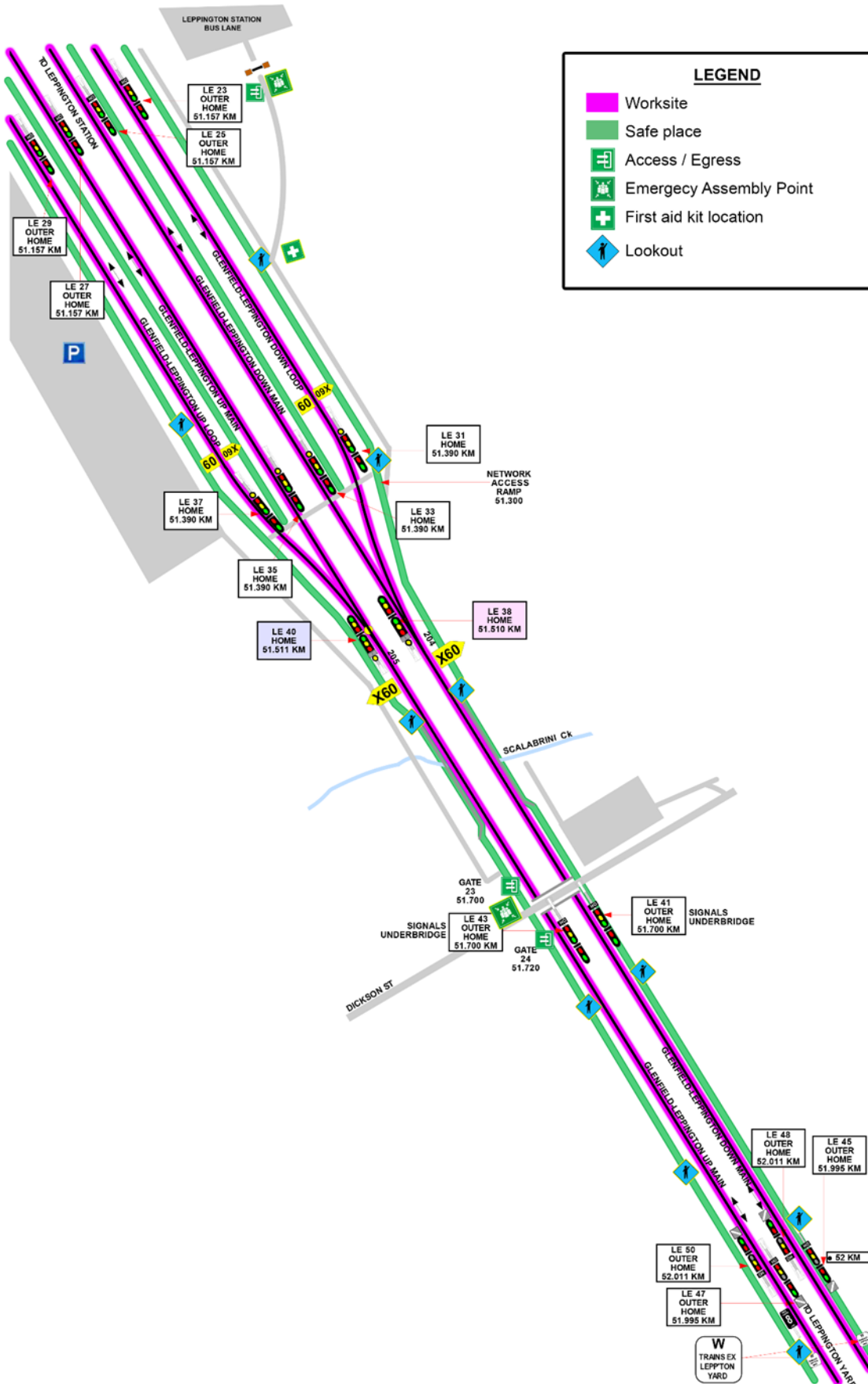


Image 4: Egress from Rail Corridor at Leppington - Rickard Road

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