

Lookout Working Worksite Protection for Awaba Routine Network Maintenance Activities

DOCUMENT NO.	D2021/836
WORK DESCRIPTION	Routine network maintenance activities
WPP Number	CC1B 10454
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 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</p> <ul style="list-style-type: none"> UP Main Down Main UP Refuge Loop Back Road <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. 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>NLA 314 Gosford - Broadmeadow</i></p> <p><i>Lookout Working Prohibited Locations Register</i></p>

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Protection Officer assessment checklist

Protection Officer's name:		Yes <i>(Tick if Yes)</i>
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

name signature contact No.

Work location:

Scope of work: **Routine network maintenance activities**

Worksite protection: **Lookout Working** 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 	<p>Lookouts must be trained and competent to perform lookout duties.</p> <p>Lookouts must be rotated if performing lookout for extended periods of time</p> <p>Workers to remain within worksite limits as set out in this procedure.</p> <p>Lookouts must be placed as per protection plan on page 8.</p> <p>Workers are to stop work and move to a safe place immediately on being warned by the lookouts</p>	<p>Protection Officer & Lookout</p>
<ul style="list-style-type: none"> Live adjacent lines 	<p>Lookouts must provide warning to workers when rail traffic is approaching from the adjacent line in either direction.</p>	<p>Protection Officer & Lookout</p>
<p>Two - way running / multiple entry points into worksite</p>	<p>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.</p>	<p>Protection Officer & Lookout</p>
<p>Obstruction to Minimum Sighting Distance</p>	<p>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</p>	<p>Protection Officer & Lookout</p>
<p>Adjoining/Surrounding Worksites</p>	<p>Lookouts must have two independent audible warning devices that can be heard by workers over any noise generated by adjoining/surrounding worksites.</p> <p>Lookouts are to provide warning if their line of sight is obstructed by adjoining/surrounding worksites.</p>	<p>Protection Officer & Lookout</p>
<p>Access to / Egress from worksite</p> <p>Slips, trips, falls and hazards carrying equipment</p>	<p>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.</p> <p>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.</p>	<p>All</p>

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Worksite Protection Plan – Lookout Working

Signaller details

<input type="text" value="name"/>	Broadmeadow	02 4923 0901
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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: **Routine network maintenance activities**

Worksite location

On the

between and

Worksite Assessment

Has the Lookout Working Prohibited Locations Register been consulted? Yes

Warning method

Horn/Whistle Voice/Touch

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.

2 sec	+	3 sec	+	10 sec	= Minimum Warning Time (MWT)	15 sec	130 km/h	542 metres
2 sec	+	3 sec	+	10 sec		15 sec	80 km/h	334 metres
2 sec	+	3 sec	+	10 sec		15 sec	25 km/h	104 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>

(S+M+10 sec = MWT)

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: **Up Cess when working on the Up refuge loop, Up main North or Back Road**
Down Cess when working on the Down main north

Workers: **Up Cess when working on the Up refuge loop, Up main north line or Back Road**
Down Cess when working on the Down main north

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 gate **N00 138.255 U** via Wilton Rd or via Adelaide St carpark
2. Protection Officer briefs workers about the worksite protection arrangements.
3. Protection Officer contacts **Broadmeadow 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 Nearest Access gate
12. Protection Officer contacts Broadmeadow Panel to end Lookout Working.

ADDITIONAL DETAILS

Obstruction to Minimum Sighting Distance

Stabled rail traffic on any tracks and conditions on the day 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.

Two-way running

The Up Refuge Loop is to be treated as two-way running; rail traffic movements can occur in any direction at any time. If rail traffic travelling on the Down main obstructs the view of the Lookout in the Up Cess, workers must stop work and move to safe place until the Lookout can achieve the required Minimum Sighting Distance.

Rail traffic may travel through 56 points from the Up Main to the Down Main in the wrong running direction. Workers must move to a safe place when Lookouts provide warning for either direction.

Rail traffic may traverse through C Frame from any direction. If rail traffic approaches in any direction, all must stop work and move to a safe place until both Lookouts have achieved the required Minimum Sighting Distance.

Adverse weather conditions

Conditions on the day may impede sighting distance. Protection Officers must ensure the required Minimum Sighting Distance is attainable by reassessing positions of Lookouts.

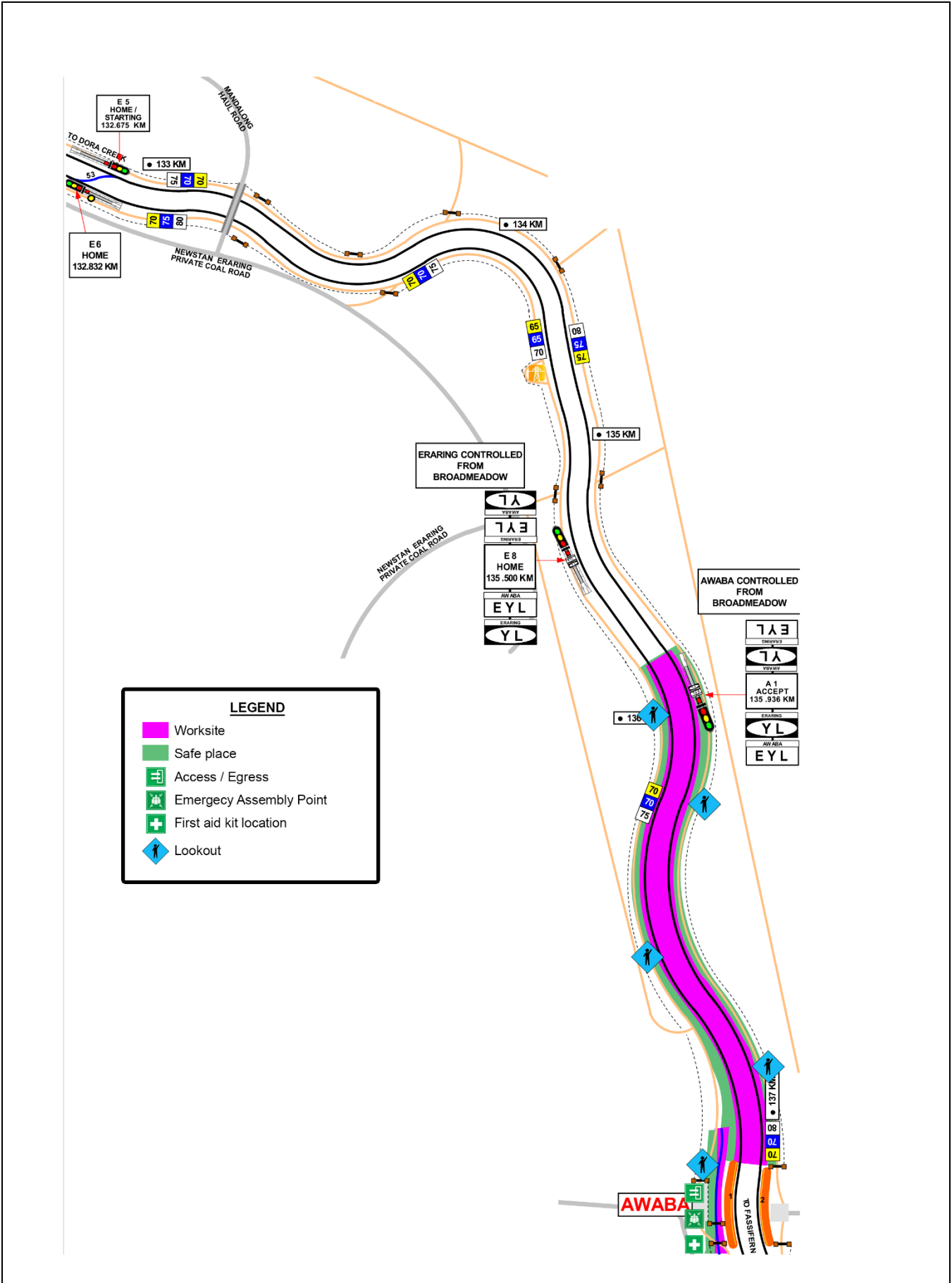
LOOKOUTS

Image 1: Lookout in Up Cess looking for Up Direction rail traffic

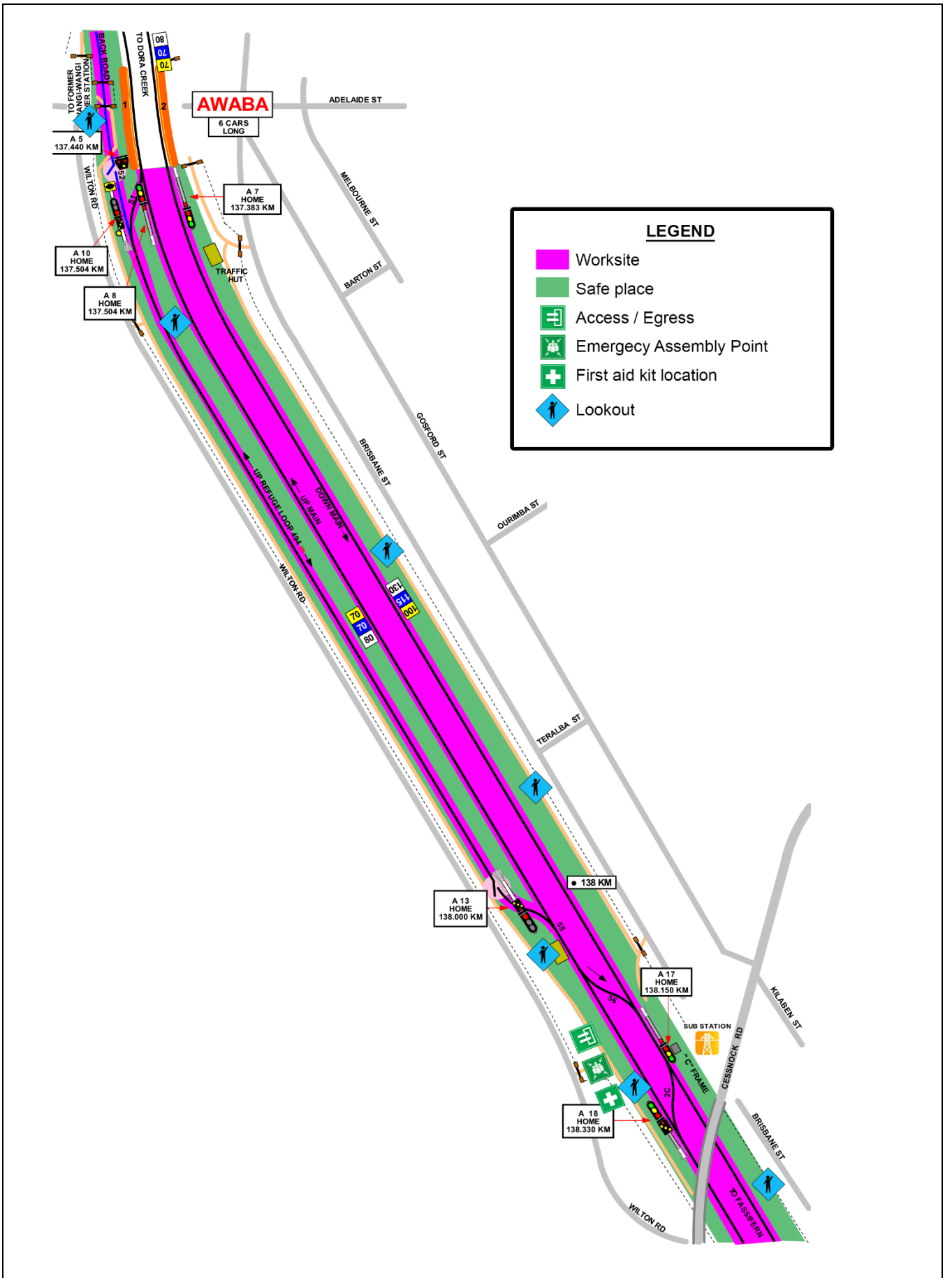


Image 2: Lookout in Up Cess looking for Down direction rail traffic

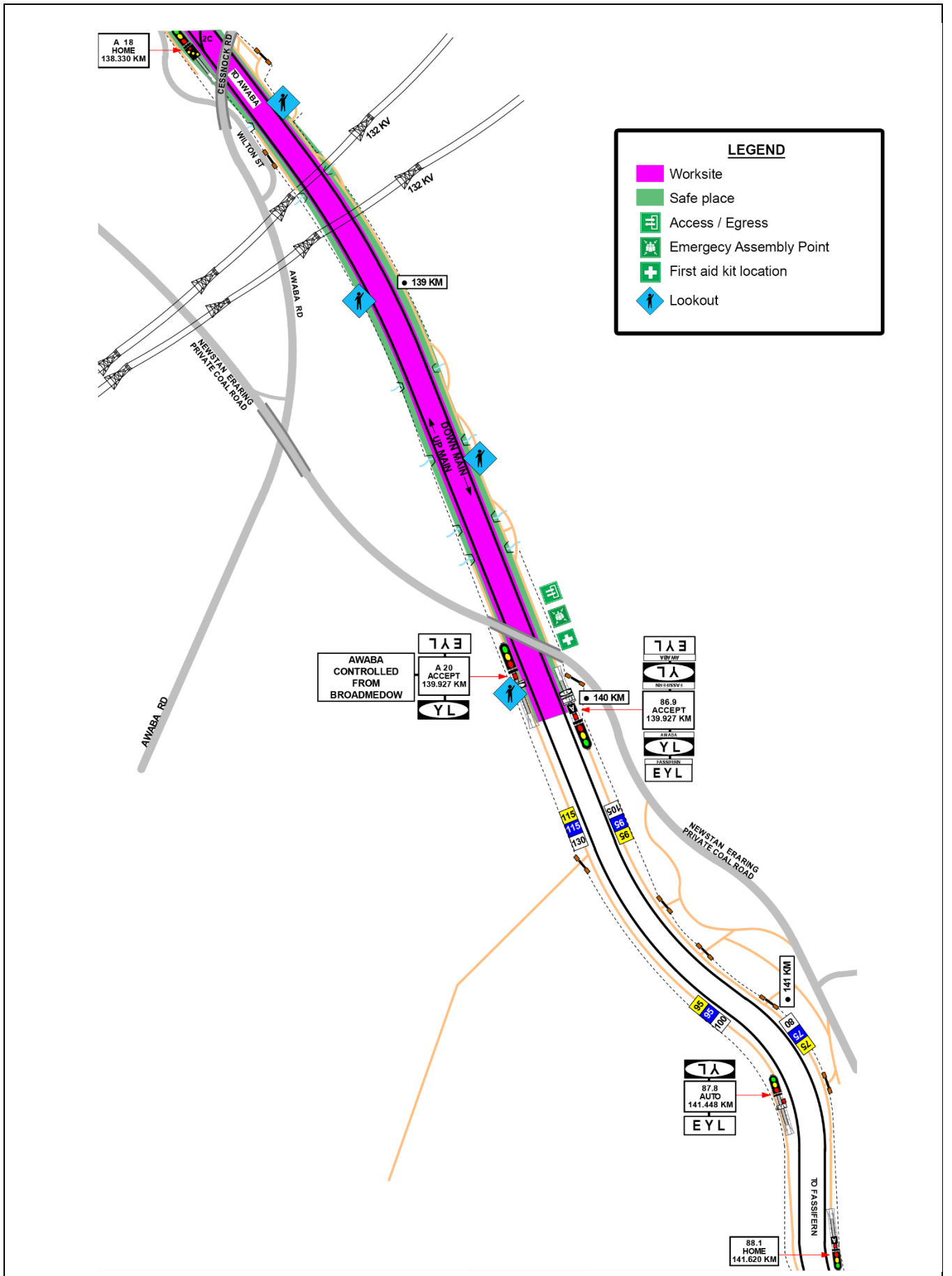




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LEGEND

- Worksite
- Safe place
- Access / Egress
- Emergency Assembly Point
- First aid kit location
- Lookout

