

Worksite Protection for Macdonaldtown Stabling Yard track inspections

Document no.	Scope of work	
D2020/8570	Civil track inspections and measurements	
WPP no.	Description of work	
CE4B MSY12954	<p>This SWI is only applicable for the worksite protection arrangements for track inspections performed by the CBD Network Base Civil team for Macdonaldtown Stabling Yard. Work activities include:</p> <ul style="list-style-type: none"> civil track inspections and measurements 	
Review date	References	
31/03/2021	<p>NWT 300 Planning work in the Rail Corridor NWT 310 Lookout Working NPR 711 Using Lookouts NPR 751 Calculating Minimum Warning Time NPR 712 Protecting work from rail traffic on adjacent lines NLA 100 Central Worksite Protection Hazardous Corridor Locations Register</p>	
Competencies or qualifications		Licences or permits required
Protection Officer: Protection Officer Level X or higher Lookout: Handsignaller Level 1 or higher, Protection Officer Level 1 or higher.		[site inductions]: Nil
Tools and equipment required		
Protection Officer requires a phone to contact the Signaller. Lookout requires high-visibility arm sleeve and a whistle / horn.		

Warning



The worksite protection arrangements below are the minimum required during daytime inspections in fine weather and with good visibility. Before conducting a track inspection, the Protection Officer must assess the need for additional protection for the exact scope of work and the prevailing conditions.

Protection arrangements	<p>The work uses the Lookout Working work on track method. The work is a moving worksite where tracks are inspected and measured as workers move along the tracks within the worksite limits.</p> <p>The Signaller for the work is at Illawarra Panel, Rail Operations Centre (ROC) (ph 02 9701 1562).</p> <p>The work starts at the end of terminal line on Siding 6.</p> <p>Access and exit to and from the worksite is at Burren Street access gate and through the site office.</p>
Lookout Working	<p>As the work moves along the track, the Protection Officer must assess the new location and:</p> <ul style="list-style-type: none"> 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.

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Protection Officer assessment checklist

Protection Officer's name:		Yes (Tick if Yes)
On-site safety assessment has been completed		
The required protection details, environment and tasks are unchanged from the details of this SWI		
SWI details and protection arrangements have been reviewed and validated for the assessed worksite location.		
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 to NRF 014 Worksite Protection Pre-work briefing and NRF 015 Worksite Protection Plan.

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Worksite Protection Pre-work Briefing

Briefing date: / /

Protection Officer Details

name	signature	contact No.
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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
Struck by rail traffic	Lookout Working implemented. Workers to remain within worksite limits.	Protection Officer
Adjacent live lines	Designated work and walk areas as per Protection Officer's instructions. All work is to stop and workers moved to a safe place when warned by lookout and/ or Protection Officer.	Protection Officer
Bi-directional 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 & Lookout
Obstruction to Minimum Sighting Distance	Lookouts are to provide warning to the workers whenever their line of sight is obstructed by passing rail traffic. Workers are to stop work and move to a safe place.	Protection Officer & Lookout
Other obstructions to Minimum Sighting Distance	Protection Officer and Lookout assess and verify new locations to achieve MSD. Worksite remains in a Safe Place until Lookouts can be established or higher form of protection is in place.	Protection Officer & 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 & Lookout
Electrical infrastructure	Electrical infrastructure is to be treated as live and workers must maintain a safe approach distance as instructed by the Protection Officer or Site Supervisor.	Protection Officer & Site Supervisor
Walking in the Danger Zone	Protection Officer will designate the route and safe places for workers to use.	Protection Officer
Mobile phone distraction	Mobile phone usage is not allowed in the Danger Zone. Mobile phones may be used only in a safe place after informing the Protection Officer.	All
New hazards found on site	Conduct safety assessment and control hazard accordingly. Record on briefing	All

[illegible]

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Worksite Protection Plan – Lookout Working

Signaller Details

<input type="text" value="name"/>	<input type="text" value="location/panel"/>	<input type="text" value="contact No."/>
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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: **Track inspection and measurements**

Worksite Location (tick the tracks that apply)

On the	<input type="text" value="Siding 1 - 6"/>	<input type="checkbox"/>
	<input type="text" value="Turnback Road"/>	<input type="checkbox"/>
between	<input type="text" value="660 points"/>	and <input type="text" value="Sidings 1 – 6 end of terminal line"/>

Worksite Assessment

Has the Worksite Protection Hazardous Locations Register been consulted? Yes ☐

Warning method

☐ Whistle/Horn☐ Voice/Touch

Minimum Warning Time Calculations

Maximum track speed

Number of Lookouts used

Position of Lookouts

to

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

Number of additional Lookouts* used

Position of Lookouts

<input type="text" value="2 sec"/>	+	<input type="text" value="5 sec"/>	+	<input type="text" value="10 sec"/>
<input type="text" value="sec"/>	+	<input type="text" value="sec"/>	+	<input type="text" value="10 sec"/>
<input type="text" value="sec"/>	+	<input type="text" value="sec"/>	+	<input type="text" value="10 sec"/>

= Minimum Warning Time (MWT)

<input type="text" value="17 sec"/>	<input type="text" value="25 km/h"/>
<input type="text" value="sec"/>	<input type="text" value="km/h"/>
<input type="text" value="sec"/>	<input type="text" value="km/h"/>

<input type="text" value="119 metres"/>
<input type="text" value="metres"/>
<input type="text" value="metres"/>

* Add an additional 5 seconds of See Time if an additional Lookout is used

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

See Time (S) Move Time (M) Safe Time (S+M+10 sec = MWT)

Track speed

Minimum Sighting
Distance as calculated

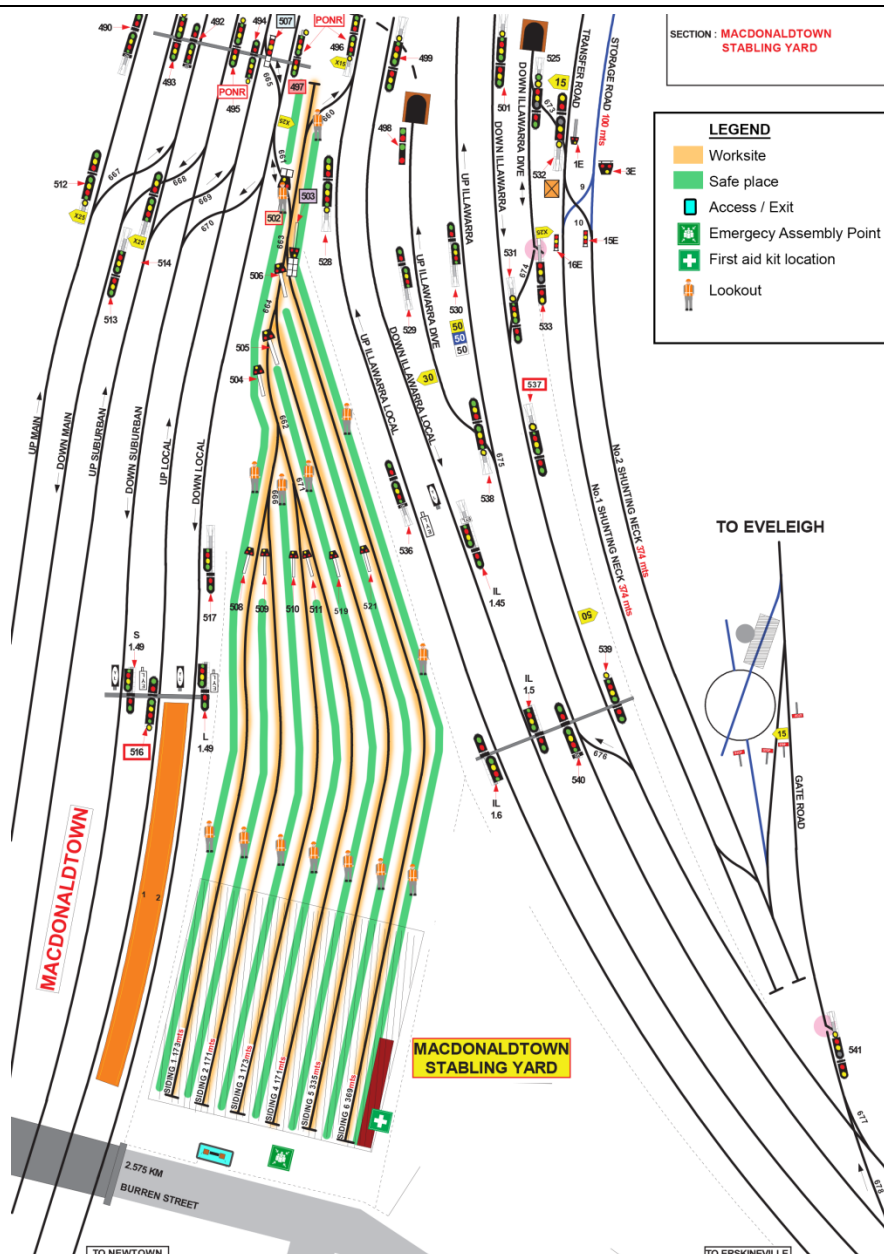
Where are the safe places identified for the Lookouts and the workers?

Lookouts: Workers: Ensure the workers have been briefed about these work details Yes ☐

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

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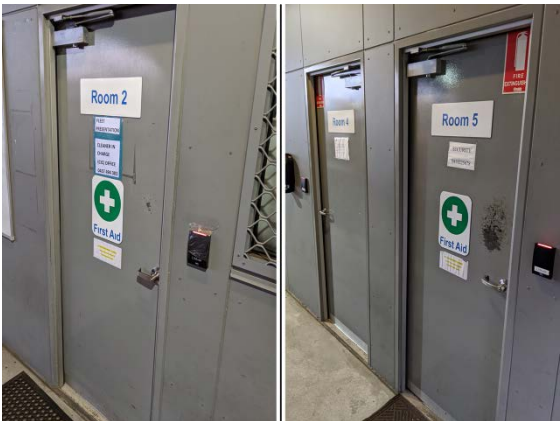
Diagram



Protection arrangements and working timeline

- Workers enter through the Burrans street access gate and walk into the site office.
- Protection Officer talks to the onsite Qualified Worker about rail traffic movements and other works in the nominated worksite.
- Protection Officer contacts Illawarra Panel and tells the Signaller about the use of Lookout Working.
- Protection Officer briefs workers about the worksite protection arrangements.
- Lookouts are established just outside of the facility on the walkway safe places.
- Workers start work up to the Lookout position.
- Workers stop work and move to a safe place when they reach the Lookout.
- Lookouts are relocated at the next signal or points to achieve minimum sighting distance.
- Repeats steps 6 – 8 until the work is complete.
- All workers move to a safe place and exit the worksite.
- Protection Officer tells the onsite Qualified Worker that work is complete.
- Protection Officer contacts Illawarra Panel Signaller and ends Lookout Working.

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Safeworking hazards	<p>Stabled rail traffic on any tracks in Macdonaldtown Stabling Yard may obstruct the Lookouts minimum sighting distance requirements. 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.</p> <p>Tracks are to be treated as bi-directional. Stabled rail traffic may move in any direction at any time.</p>	
Worksite	 <p>Image 1: Worksite country end limits</p>	 <p>Image 2: Worksite city end limit</p>
Access	 <p>Image 3: Burren St access gate</p>	 <p>Image 4: Site office and facility entry / exit doors</p>
First Aid and Emergency Assembly Point	 <p>Image 5: Burren St access gate assembly point</p>	 <p>Image 6: Site office first aid kit locations</p>



Protection Officer's diary

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