Lookout Working Worksite Protection for St Marys routine network maintenance activities



DOCUMENT NO.	D2023/10587				
WORK DESCRIPTION	Routine network maintenance activities				
WPP Number	WT07B 10178	SAP Code			
SCOPE:		site protection arrangements using lo ect management and repair of assets			
	 Work activities include: 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:	Protection Officer: Protection Offic Lookout: Handsignaller Level 1 or h	cer Level 1 or higher nigher, Protection Officer Level 1 or h	nigher.		
SAFETY CONTROLS – Lookout Working arrangements:	The nominated worksite location for Lookout Working includes the Up Main West line, Down Main West line, Up Suburban line, Downn Suburban line, No 1 Storage siding, Plasser Australia siding between Werrington Station Platforms 1 and 2 to Mt Druitt Station Platforms 1,2,3 and 4. 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. As work moves along the track, the Protection Officer must assess the new location and: • 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:	Protection Officer assessment checklist must be completed before instructions in this SWI are followed. Tools and equipment required: Protection Officer requires a phone to contact the Signaller. Lookouts require a high-visibility arm sleeve and a whistle / horn.				
FURTHER INFORMATION:	NWT 300 Planning work in the Rail NWT 310 Lookout Working NPR 711 Using Lookouts NPR 751 Calculating Minimum Wal NGE 200 Walking in the Danger Zo NLA 200 Lidcombe - Penrith Lookout Working Prohibited Locati	rning Time ne			

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





Protection Officer assessment checklist				
Protection Officer's name:		Yes (Tick if Yes)		
This document is still current at the time of date)	document issue			
SWI details and protection arrangements location, including:	have been reviewed and validated for the	assessed worksite		
On-site safety assessment has be The required protection details, of SWI				
 The Protection Officer and Quali practiced in the last 6 months. If 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.

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orksite Protec	ction Pre-work Briefing	Briefing date:	1 1
rotection Office	r Details	signature	contact No
1A/ 1 1 C		signature	CONTACT NO
Work location:	St Marys		
Scope of work:			
Worksite protection	on: Lookout Working	Refer to Worksite Protect	ction Plan for details
	e specific hazards identified, I environment, human errors, plant	Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level)	Person responsible for Control
		Lookouts must be trained and competent to perform lookout duties.	Protection Officer and
		Lookouts must be rotated if performing lookout for extended periods of time	Lookout
• Struck	by rail traffic	Workers to remain within worksite limits as set out in this procedure.	
		Lookouts must be placed as per protection plan Workers are to stop work and move to a safe place immediately on being warned by the lookouts	
• Adjace	ent live lines	Lookouts must provide warning to workers when rail traffic is approaching from the adjacent line in either direction.	Protection Officer and Lookout
	vay running / multiple entry s 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/Surr	ounding Worksites	Lookouts must have two independent audible warning devices that can be heard by workers over any noise generated by adjoining/surrounding worksites.	Protection Officer and Lookout
		Lookouts are to provide warning if their line of sight is obstructed by adjoining/surrounding worksites.	
Limited / No sa	ife places	Due to Metro works some Vortex fencing has been set on the Up and Down mains. No safe place on the Dn main city end of platform 4. Also limited safe places when working on Up and Down Suburban lines. All workers to follow POs instructions on safe places. No work to be conducted though Platforms 2 and 3 St Marys.	Protection Officer and All
Access to / Eg	ress 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, fall equipment	ls and hazards carrying	Protection Officer will assess and instruct when it is safe for workers to use NGE 200 Walking in the Danger Zone to move to the worksite or safe place.	





Mobile phone distraction	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



Sale Work	instruction			Transport			
Lookout Working Worksite Protection for St Marys routine network maintenance activities Transport Sydney Train							
Vorkplace Su	pervisor Detail	S					
		name		contact No			
Emergency as	ssembly point:	Nearest access gate	SWMS/SWI Ref #:				
First Aid kit location:	Vehicle		First Aider:				
Norkplace S	upervisor Acl	knowledgement					
		ges that all identified WHS and rail safety ge and/or eliminate the hazards.	hazards have the Yes 🗆	signature			
Participant A	cknowledgen	nent					
NOTE: Recipien	its of the briefing are	to question the Briefer if they don't under	rstand any part of this briefing.				
are free from the applicance and the applicance are free from the applicance and the applicance are free from the applicance are free free from the applicance are free free free free free free free	d/or induction record	phol/drugs/fatigue Rail Safety Worker Authorisation, trade e.g. Construction Industry Induction Protective Equipment (PPE)	 5. have been briefed on the contents of 6. have been shown the Worksite Prote 7. understand the kinds and limits of wo 8. have been briefed about any new had the final site inspection (final site inspection before commencing work) 	ction Plan diagram orksite protection in place zards and controls identified during			
Mark each check b	oox below with a tick 🗹	if the item applies or a cross 🗷 if the item doe	, ,				
required) have been for the job	briefed on the SWN instructed in the cor	uirements of the electrical permit (if IS/SWIs/documented safe work practice ntrols recorded in this document and	have been made aware of any hazard have been briefed on Safety Data Shave been briefed on the WHS Mana have been briefed on the hazards of	neets (SDS) ngement plan			
Name		Signature		Amendment briefing: h:mm and initial			
				manu and mad			

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Worksite Protection Plan - Lookout Working

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	0.00			name		St M	arys Pane			988	51720
rotection	Otti	cer Detai	IS								() (
				name			signature			cont	act N
		RS	W or	RIW No.		(designatio	n_ Pla	anned duration		
Norkplace	Su	pervisor d	etail	s:							
Type of w	ork:										
Worksi	te L	ocation	(tick t	he tracks that a	apply)	_					
On the	L	U	p an	nd Down M	ain West lines		Up	and Do	wn Suburban li	nes	
			ı	No 1 Stora	ge siding]_		Plasser	Plasser Australia siding		
between		Werr	ingto	on Station	Platforms 1 and 2	and	Mt Dru	itt Statio	on Platforms 1,2	n Platforms 1,2,3 and 4	
orksite	Ass	essmen	t								
		_	Pro	hibited Loca	ations Register been cor	nsulted?	Yes				
arning r	netl	hod		Г	Whistle/Horn		Voice				
inimum	Wa	rnina Tir	me (∟ Calculatio			V 0.00				
/laximum ti				km/h							
Number of	Look	outs used			2 Position of Lo	ookouts	45.900	km to	47.850 km	Note - Lookouts a relocated to positi	
										these km's as wor move along the w	
Number of a	addit	ional Look	outs*	used	Position of Lo	ookouts	<u> </u>	km	km	_	
2 sec	+	3 sec	+	10 sec		15 se	C	115 m/h	480 metres	* Add an addition seconds of See an additional Loc used	Time if
2 sec	+	8 sec	+	10 sec		20 se	ic I	115 m/h	639 metres]	
2 sec	+	10 sec	+	10 sec	= Minimum Warning Time (MWT)	22 se		115 m/h	703 metres		
2 sec	+	3 sec	+	10 sec		15 se	C	105 m/h	438 metres		
2 sec	+	3 sec	+	10 sec		15 se	ec 95	km/h	396 metres	Note – Addition MWT calculation can be recorded	ions
2 sec	+	3 sec	+	10 sec		15 se	ec 25	km/h	105 metres	in the Protecti Officer's Diary	ion
2 sec	+	3 sec	+	10 sec		15 se	ec 13	km/h	55 metres		
See Time (S)		Move Time (M)		Safe Time	(S+M+10 sec = MWT)			rack peed	Minimum Sighting Distance as calculated		
here are	the	e safe pl	ace	s identifie	d for the Lookouts a	and the	workers	?			
.ookouts:	Г	Jp and D	own	cess, wide	e 6 foot, Station Platfor	rm, behi	nd structu	res and	signals		
							l signals				
Vorkers:		JP allu P									

SWI Custodian: Maintenance Operation Manager West Territory OFFICIAL
SWI Approver: Associate Director Network Maintenance UNCONTROLLED COPY WHEN PRINTED

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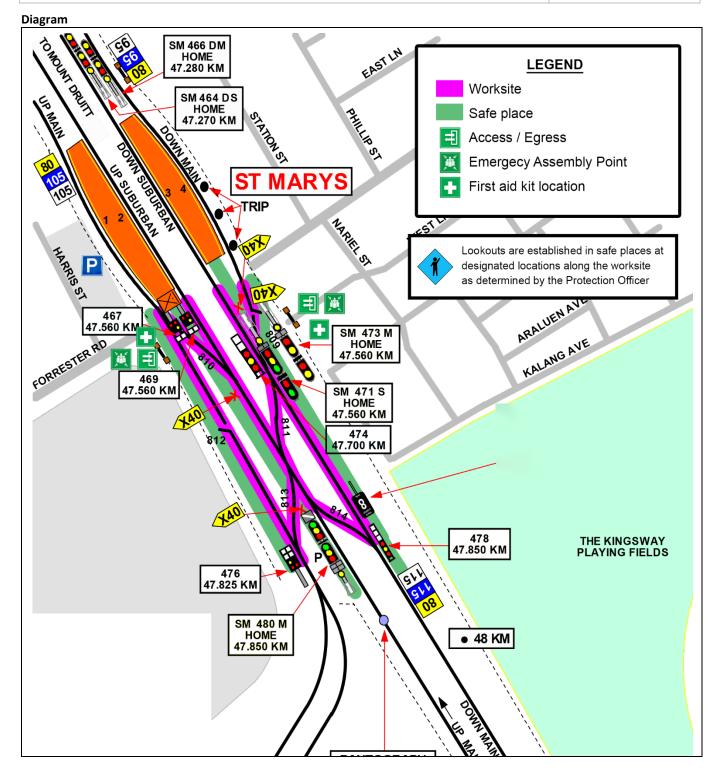
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Diagram 77 EYL EYL **LEGEND** Worksite Safe place Access / Egress 77 **Emergecy Assembly Point** First aid kit location EYL PODOW 21 M 28.6 AUTO 45.875 KM • 46 KM EYL Lookouts are established in safe places at SUB STATION designated locations along the worksite as determined by the Protection Officer SM 454 S HOME / HOBART ST STARTING 46.696 KM **CASE TRACTORS** PIHEL ST SM 451 M HOME 46.650 KM SM 449 S HOME 46.650 KM PLASSERCRES SM 452 M HOME / STARTING 46.696 KM 456 47.030 KM • 47KM MALLERS SM 464 DS HOME 47.270 KM 455 46.900 KM SM 466 DM HOME 47.280 KM 8 WILGA ST GLOSSOP ST 463 47.200 KM SM 462 S HOME HARRIS ST **MARYS** DEBRINCATAVE 47.280 KM O WEARINGTON SM 460 M HOME 47.280 KM #

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INSTRUCTIONS:

Location 1

- 1. Protection Officer briefs workers about the worksite protection arrangements.
- Protection Officer contacts St Marys Panel and tells them about the use of Lookout Working between Werrington Station Platforms 1 and 2 to Mt Druitt Station Platforms 1,2,3 and 4. on all tracks
- 3. Workers enter rail corridor via gate W00 47.649 D, located on the Down side off Camira Street.
- 4. Protection Officer places Lookouts watching for rail traffic approach in both directions at the designated locations.
- 5. Workers start work.
- 6. Workers move to a safe place.
- 7. Repeat steps 4 6 until workers complete work between **SM 480 M Signal** and **467 Signal**.
- 8. Once work is complete, all workers move into a safe place.
- 9. Protection Officer recalls Lookouts.
- 10. Protection Officer/Lookouts and workers exit the rail corridor via gate **W00 47.649** and move to the next location.

ADDITIONAL DETAILS

Two-way running / multiple entry points

St Marys is a two-way running area. Rail traffic movements can occur in any direction.

A Lookout is placed watching in both directions and must provide warning for any rail traffic approach. Workers must move into a safe place when Lookouts provide a warning regardless of which line the rail traffic is approaching on.

Obstruction to Lookout's Minimum Sighting Distance

As Lookouts are place in the opposite cess in some locations. Lookouts must provide warning to workers when Minimum Sighting Distance is impeded by rail traffic on adjacent lines. All workers must remain in a safe place until Lookout can re-establish Minimum Sighting Distance.

Passengers on St Marys Platforms

Lookouts must provide warning to workers when Minimum Sighting Distance is impeded by passengers on St Marys platforms. All workers must remain in a safe place until Lookout can re-establish Minimum Sighting Distance.

Rail traffic entering or exiting No 1 and No 2 Storage sidings.

Lookouts to be positioned and warn workers to move to a safe place while Rail traffic enters or exits the sidings.

Pantograph Condition Monitoring System (PCMS)

The PCMS installed on structure SL47+908 MUST be isolated as per Safe Work Instruction DSYD2016/34982 prior to any work under possessions and OHW infrastructure work between SL47+880 and SL47+931 on the Western line. Contact Electrical Operating Centre (ICON Electrical) on 02 9379 4911 for advice.

LOOKOUTS



Image 1: View of Up direction Lookout at 47.850 KM Down Cess.



Image 2: View of Down direction Lookout at 47.850 KM in a safe place behind signal SM 480 M.

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Image 3: View of Down direction Lookout at 47.570 KM Up cess.





Image 3: Access/egress gate W00 47.649 D



Image 5: Pantograph Condition Monitoring System (PCMS)



Image 4: Emergency Assembly Point inside gate W00 47.649 D



INSTRUCTIONS:

Location 2

- 1. Protection Officer briefs workers about the worksite protection arrangements.
- Workers enter rail corridor via gate W00 46.959 U, located on the Up side off Glossop St. 2.
- Protection Officer places Lookouts watching for rail traffic approach in both directions at the designated locations.
- Workers start work 4.
- 5. Workers move to a safe place.
- Repeat steps 3 4 until workers complete work between M28.6 Signal and SM 454 S. 6.
- 7. Once work is complete, all workers move into a safe place.
- Protection Officer recalls Lookouts. 8.
- 9 Protection Officer/Lookouts and workers move via a safe place to the next Location.

ADDITIONAL DETAILS

Two-way running / multiple entry points

St Marys is a two-way running area. Rail traffic movements can occur in any direction.

A Lookout is placed watching in both directions and must provide warning for any rail traffic approach. Workers must move into a safe place when Lookouts provide a warning regardless of which line the rail traffic is approaching on.

Obstruction to Lookout's Minimum Sighting Distance

Lookout must provide warning to workers when Minimum Sighting Distance is impeded by rail traffic on adjacent lines. All workers must remain in a safe place until Lookout can re-establish Minimum Sighting Distance.

Rail traffic entering or exiting Plasser siding

Lookouts to be positioned and warn workers to move to a safe place while Rail traffic enters or exits the sidings.

LOOKOUTS



Image 1: View of Down direction Lookout at 46.562 KM 6 foo



Image 2: View of Up direction Lookout at 46.581 KM 6 foot



Image 3: View of Up direction Lookout at 46.696 KM 6 foot behind signal SM 454 S



Image 4: View of Up direction Lookout at 46.696 KM 6 foot behind signal

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Image 3: Access/egress gate W00 46.959 U.



Image 4: Emergency Assembly Point

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INSTRUCTIONS:

Location 3

- 1. Protection Officer briefs workers about the worksite protection arrangements.
- 2. Workers enter rail corridor via gate W00 46.959 U, located on the Up side off Glossop St.
- 3. Protection Officer places Lookouts watching for rail traffic approach in both directions at the designated locations.
- 4. Workers start work.
- 5. Workers move to a safe place.
- 6. Repeat steps 4 6 until workers complete work between SM 454 S Signal and 456 Signal.
- 7. Once work is complete, all workers move into a safe place.
- 8. Protection Officer recalls Lookouts.
- 9. Protection Officer/Lookouts and workers move via a safe place to the next Location

ADDIOTNAL DETAILS

Two-way running / multiple entry points

St Marys is a two-way running area. Rail traffic movements can occur in any direction.

A Lookout is placed watching in both directions and must provide warning for any rail traffic approach. Workers must move into a safe place when Lookouts provide a warning regardless of which line the rail traffic is approaching on.

Obstruction to Lookout's Minimum Sighting Distance

Lookout must provide warning to workers when Minimum Sighting Distance is impeded by rail traffic on adjacent lines. All workers must remain in a safe place until Lookout can re-establish Minimum Sighting Distance.

Rail Traffic on approach in the Up direction over the Down main from platform 4 St Marys.

Lookouts to be positioned and warn workers to move to a safe place.

Shut movements from 455 Signal and 456 Signal.

Lookouts to be positioned and warn workers to move to a safe place.

Limited Safe places

Limited safe places exist behind structures when working on the Up and Down Suburban lines. PO to instruct workers of these safe places and limit workers to only what's needed when working on these lines. Extra move time has been assessed for these locations.

LOOKOUTS



Image 1: View of Down direction Lookout at 46.913 KM 6 foot.



Image 2: View of th Up direction Lookout at 46.918 KM 6 foot.

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Image 3: View of Down direction Lookout at 46.948 KM 6 foot.



Image 4: View of Up direction Lookout at 47.015 KM Down cess.



Image 3: Access/egress gate W00 47.354 U.



Image 4: Emergency Assembly at Gate W00 47.354 U.

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INSTRUCTIONS:

Location 4

- 1. Protection Officer briefs workers about the worksite protection arrangements.
- 2. Workers enter rail corridor via gate **W00 47.354 U**, located on the Up side off **Harris St** St Marys Up station car park.
- 3. Protection Officer places Lookouts watching for rail traffic approach in both directions at the designated locations.
- 4. Workers start work.
- 5. Workers move to a safe place.
- 6. Repeat steps 4 6 until workers complete work between SM 460 M Signal and 463 Signal.
- 7. Once work is complete, all workers move into a safe place.
- 8. Protection Officer recalls Lookouts.
- 9. Protection Officer contacts **St Marys Panel** to end the use of Lookout Working between **Werrington Station Platforms 1 and 2** to **Mt Druitt Station Platforms 1,2,3** and 4 on all tracks
- 10. Protection Officer/Lookouts and workers exit the rail corridor.

ADDIOTNAL DETAILS

Two-way running / multiple entry points

St Marys is a two-way running area. Rail traffic movements can occur in any direction.

A Lookout is placed watching in both directions and must provide warning for any rail traffic approach. Workers must move into a safe place when Lookouts provide a warning regardless of which line the rail traffic is approaching on.

Obstruction to Lookout's Minimum Sighting Distance

Lookout must provide warning to workers when Minimum Sighting Distance is impeded by rail traffic on adjacent lines or passengers on St Marys platforms. All workers must remain in a safe place until Lookout can re-establish Minimum Sighting Distance.

Shut movements from 463 Signal and 455 Signal.

Lookouts to be positioned and warn workers to move to a safe place.

Rail traffic entering or exiting No 1 and No 2 Storage sidings.

Lookouts to be positioned and warn workers to move to a safe place while Rail traffic enters or exits the sidings.

LOOKOUTS AND ACCESS / EGRESS

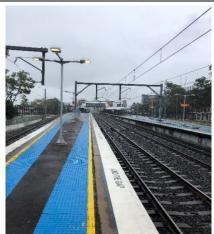


Image 1: View of Up direction Lookout City End of Platform 3 St Marys.



Image 2: View of th Down direction Lookout at 47.189 KM Up cess.



Image 3: Access/egress gate W00 47.354 U.



Image 4: Image 4: Emergency Assembly at Gate W00 47.354 U





Protection Officer's diary

	Time	Notes
Date	Time	INULES
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}		