

Regional Safety Summits

Walgett Shire Council presentation

Greg Wear

Work Health and Safety consultant
Walgett Shire Council



transport.nsw.gov.au

OFFICIAL



Walgett Shire Council – Cryon incident

Greg Wear

Background

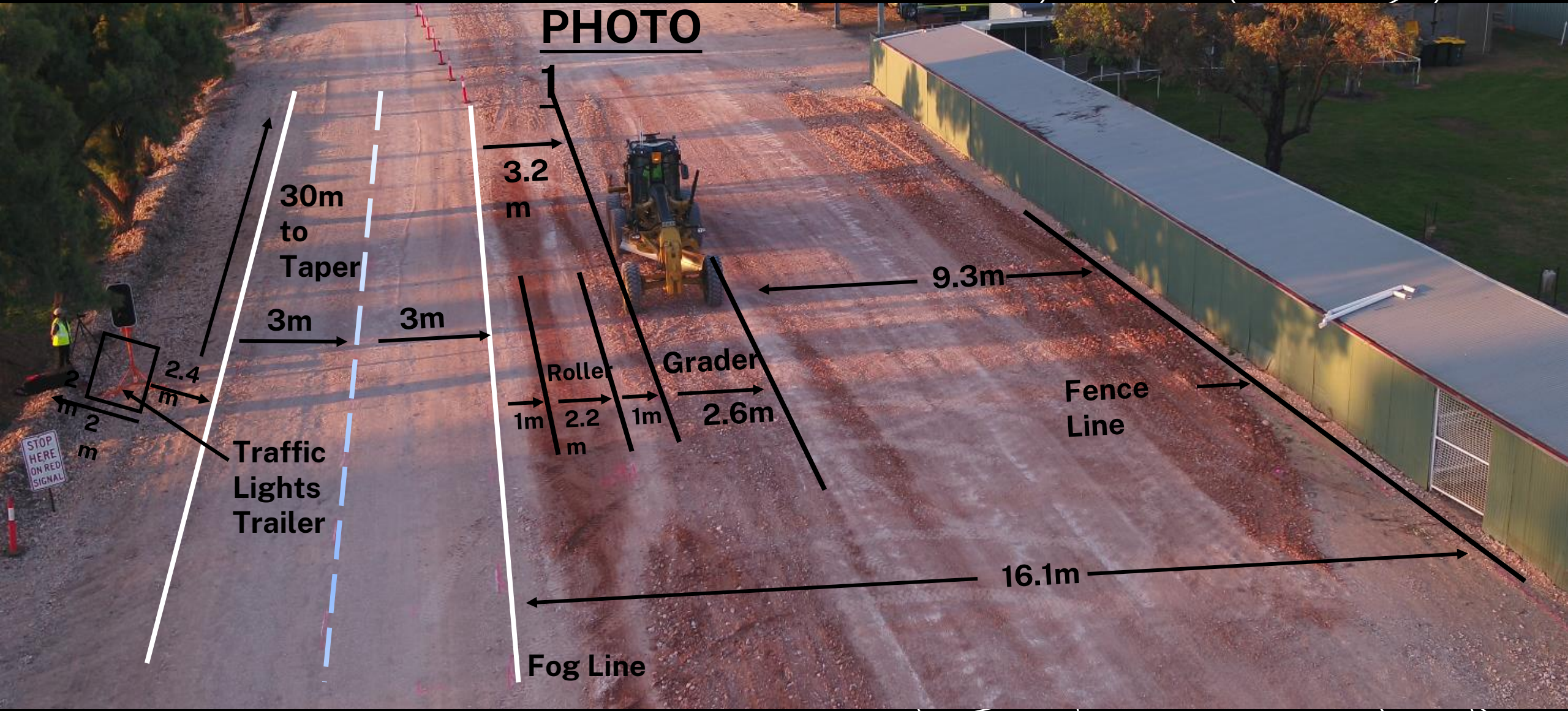
WSC was engaged under an RMCC contract to carry out works on sections of the Kamilaroi Highway. Yallambie Pavement Rehab Road Project near Cryon.

During the course of this work one of our road workers was struck by a vehicle, unseen by other workers.





PHOTO



30m
to
Taper

3.2
m

3m

3m

9.3m

2
m
2
m
2.4
m

Traffic
Lights
Trailer

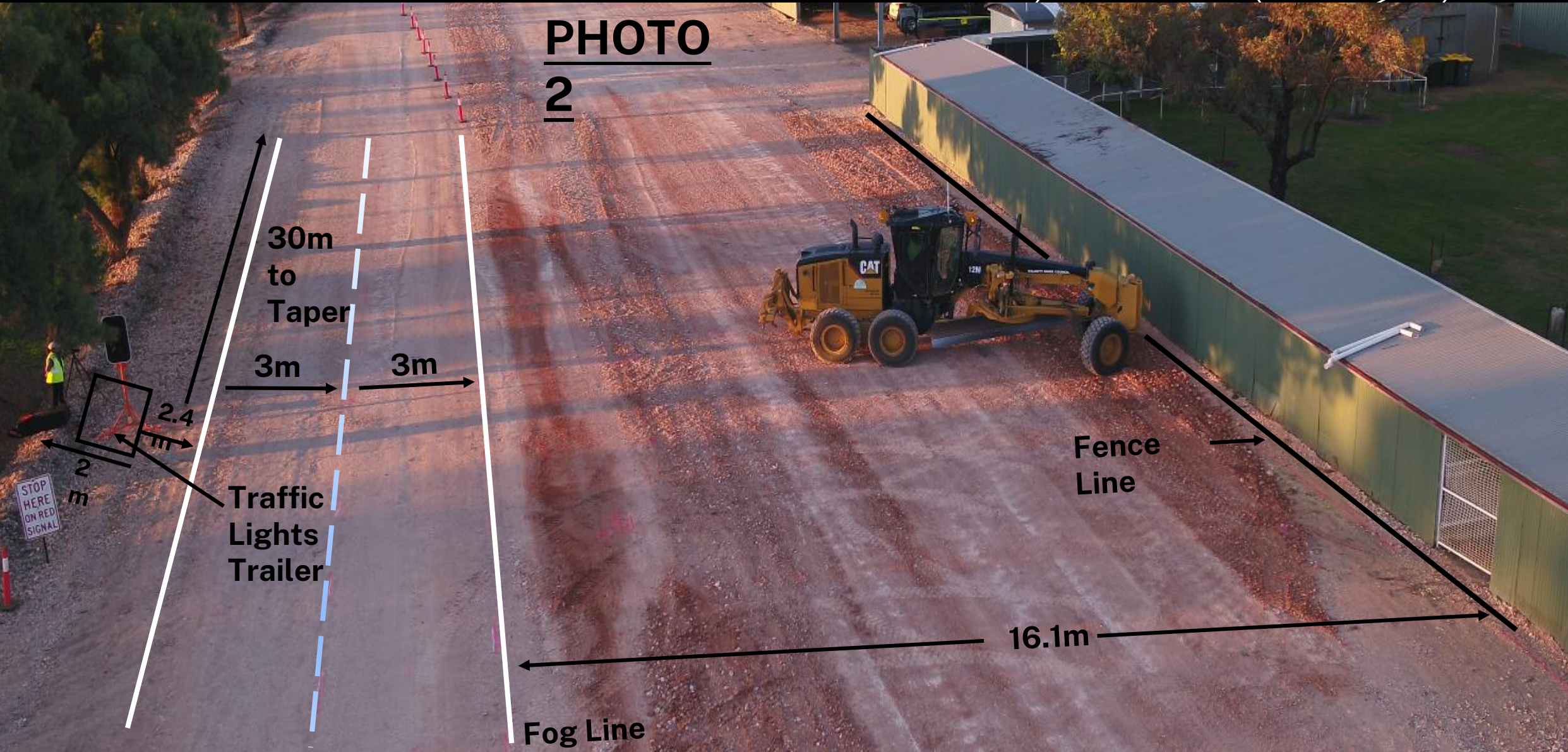
1m
2.2
m
1m
Grader
2.6m

Fence
Line

Fog Line

16.1m

PHOTO 2



30m
to
Taper

3m

3m

2.4

3m

2
m

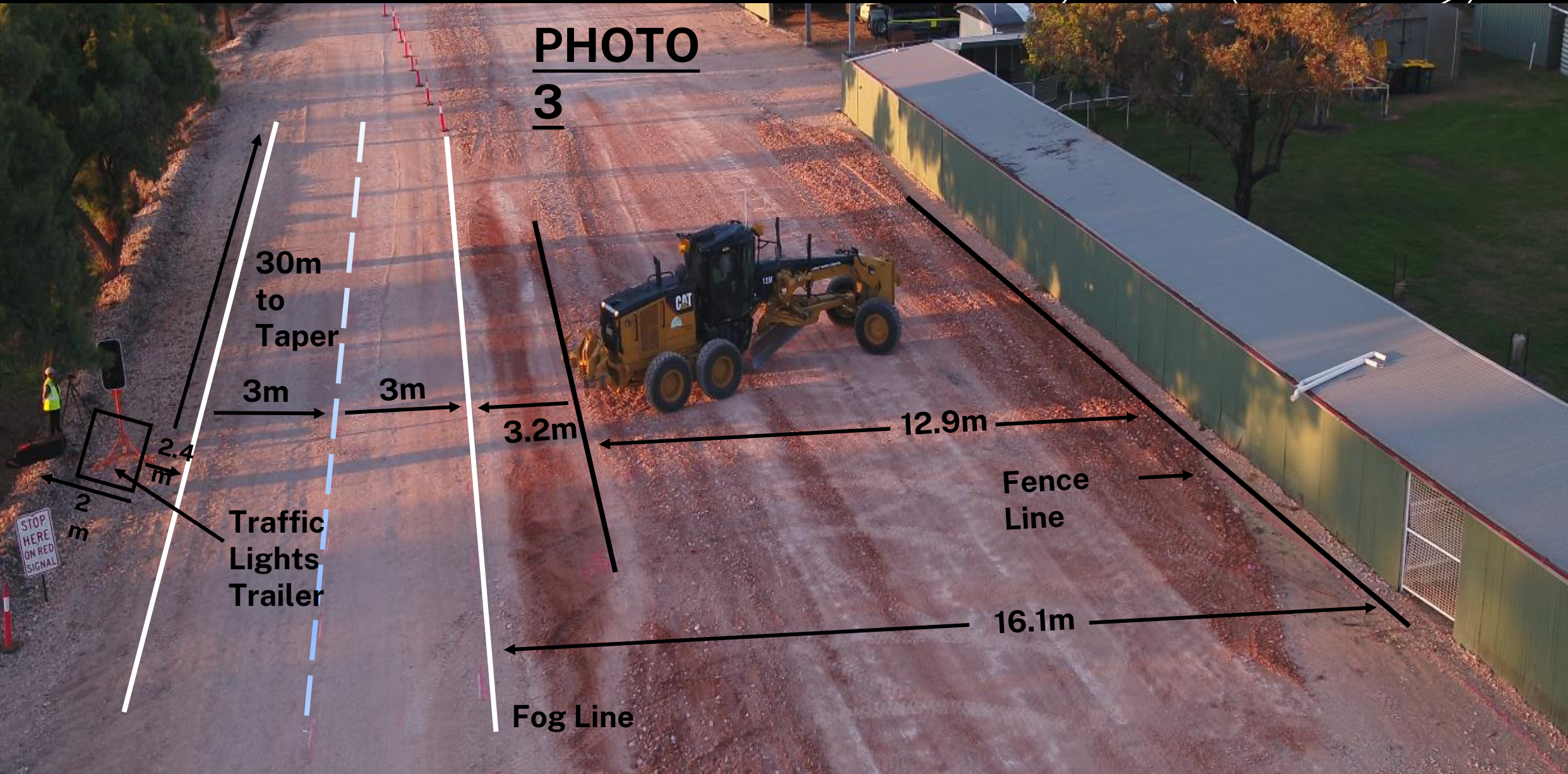
Traffic
Lights
Trailer

Fence
Line

16.1m

Fog Line

PHOTO
3



30m
to
Taper

3m

3m

3.2m

12.9m

Fence
Line

16.1m

Fog Line

Traffic
Lights
Trailer

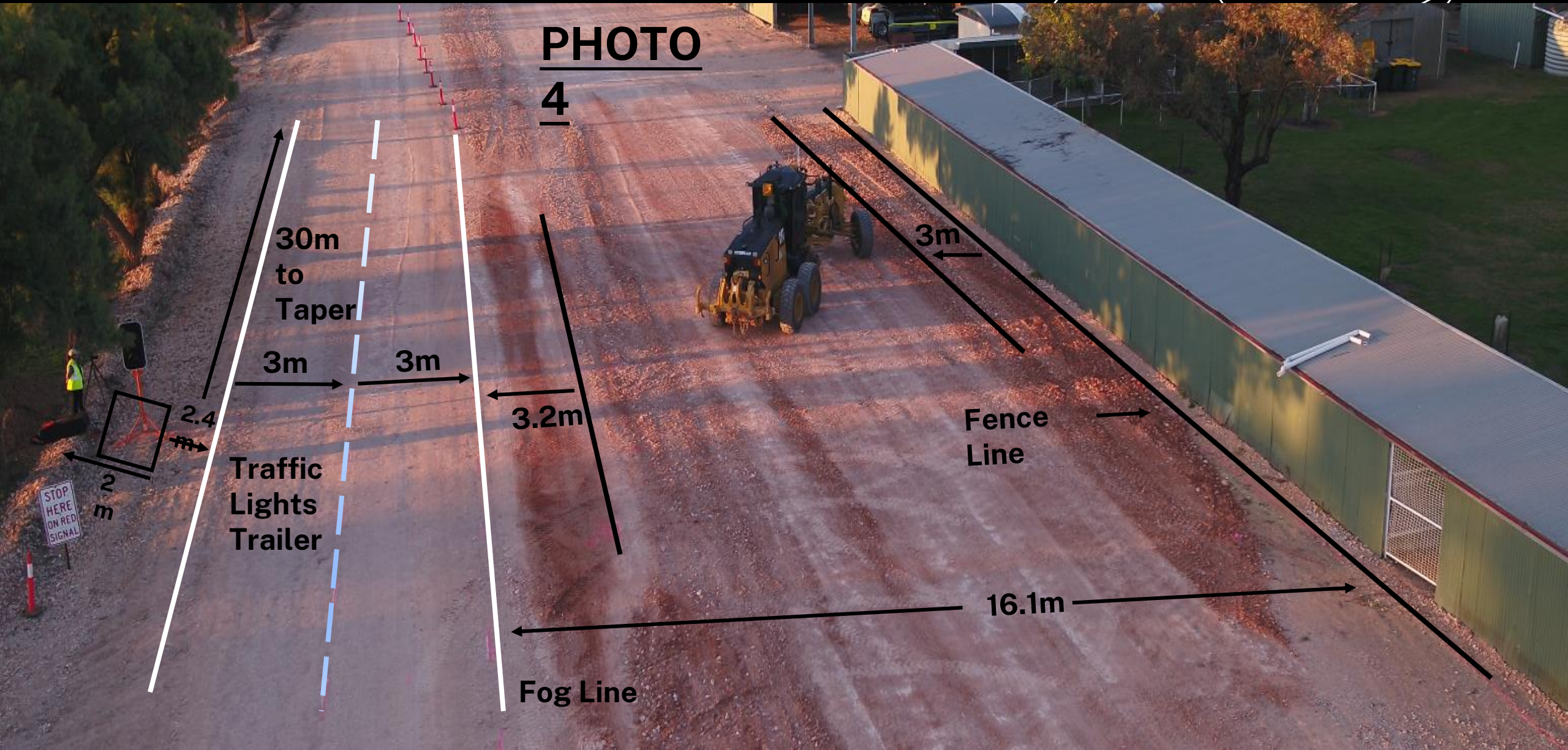
2.4
m

2
m

STOP
HERE
ON RED
SIGNAL

PHOTO

4



30m
to
Taper

3m

3m

2.4
m

3.2m

3m

Fence
Line

16.1m

Fog Line

Traffic
Lights
Trailer

STOP
HERE
ON RED
SIGNAL

2
m

Legal timeline and impacts

Incident Date: 21 June 2018
First Hearing Date(s): 3 February 2023
Decision Date: 24 March 2023
Jurisdiction: Criminal



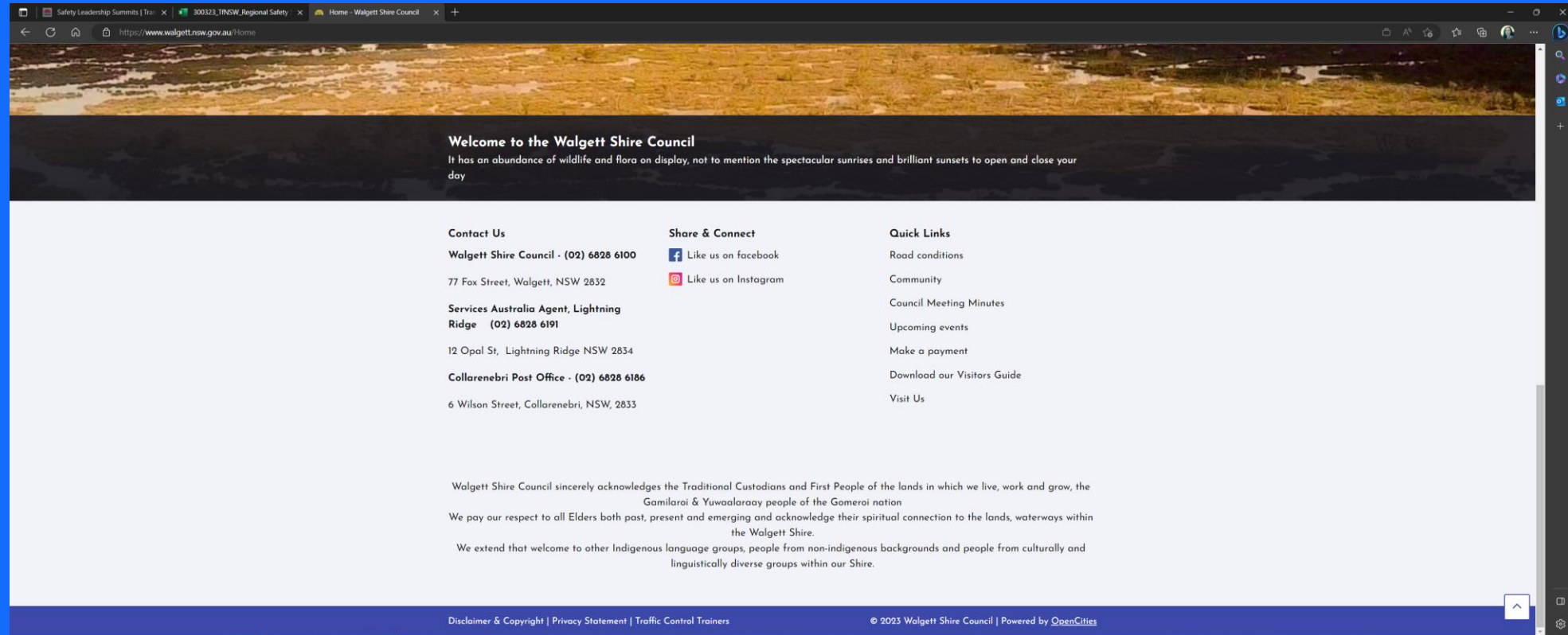
Briefing session

Competent Trainers

Documenting the Switch,

Work procedures, plans and checklist

Competent Trainers



Documenting the switch

Why is documenting the switch important?

1. Identifies responsibilities and the work process
2. Raises compliance and workplace safety through the above
3. Supports the process through highlighting the steps
4. Maintains transparency

How can we achieve this?

1. Develop procedures, plans, checklists and SWMS
2. Implement these through consultation and training
3. Organise onsite consultation with staff through auditing and promote feedback



SWITCH and WOF template plans

WOF Plan

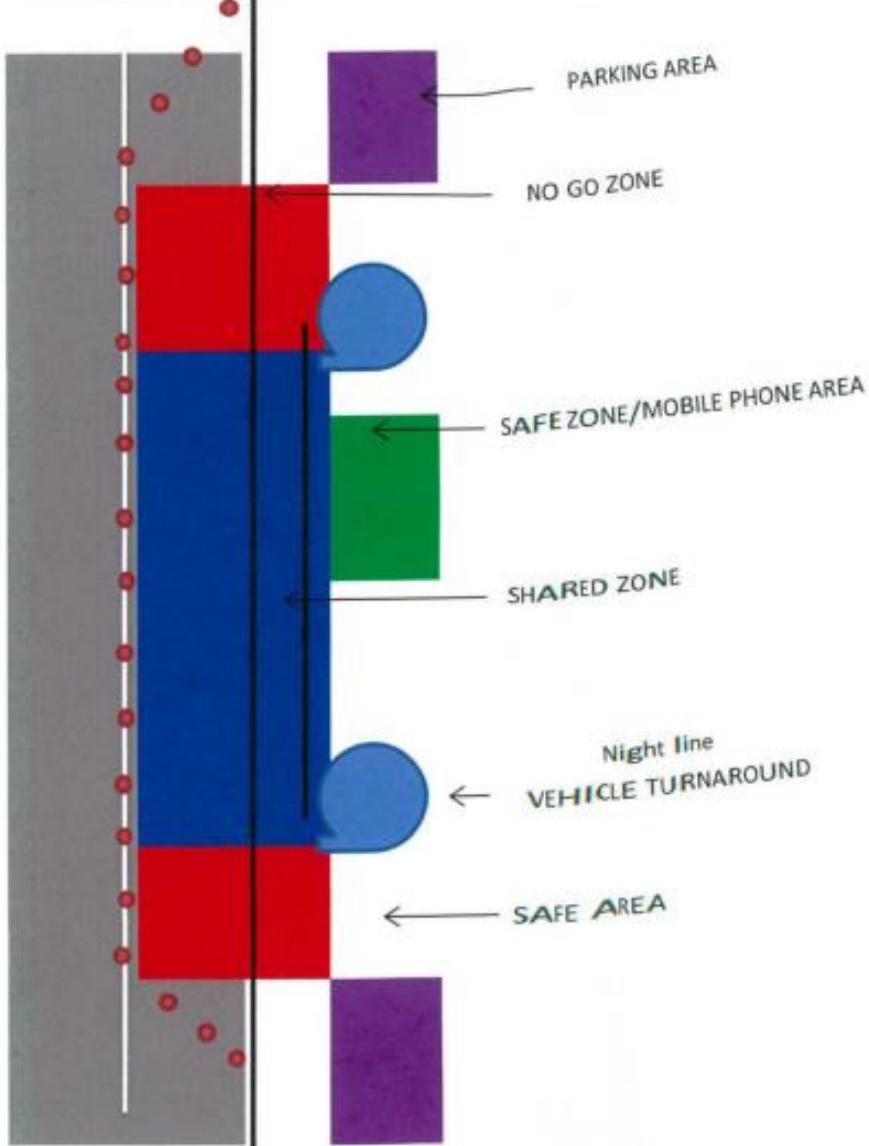
Yallambie Pavement Rehab Road Project

On the Kamilaroi Highway near Cryon

WORKERS ON FOOT PLAN

DATE _____
LOCATION _____

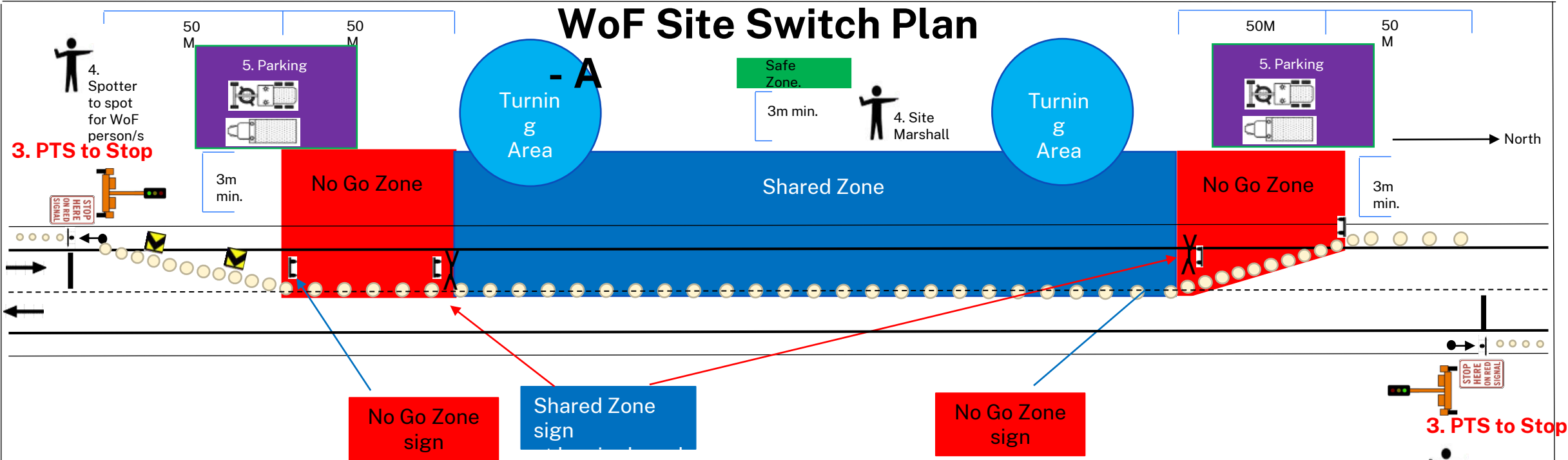
ACTIVITY _____
PREPARED BY: Sylvester



20XX

OFFICIAL

WoF Site Switch Plan



NOTES
 TCAWS Sect. 6.4.1 Sign/Bollard Placement - Travel in the normal direction of traffic flow.
 TCAWS Sect. 6.4.3 Bollard Removal - Remove in reverse order of erection.
 TCAWS Sect. 6.4.3/4 Sign Removal - As above or Travel in the normal direction of traffic flow. Bollard Removal use 6.4.3
 TCAWS Table 6.2.5 Bollard Spacing - Taper 4m

WoF SWITCH Guidance Notes (Refer to WoF SWITCH Procedure)
 1. All staff have hand held 2-way
 2. Switch TBT completed
 3. Traffic lights to stop.
 4. Spotters and Site Marshall in place
 5. Plant locked down in Parking Zone
 6. Switch - Install bollards, barrier boards, WoF zone signs and coloured cones to opposite side of

Legend

- Barrier Board
- Grader
- Truck/ Sign Truck
- Designated Refuelling/Maintenance Zone (white)

Drawing Description

4. Spotter to spot for WoF person/s

WALGAIT SHIRE COUNCIL
 LANA NOSTRAE DIVITIAR EST

Project Commencement
 Date: 20/12/2022
 Project Location :

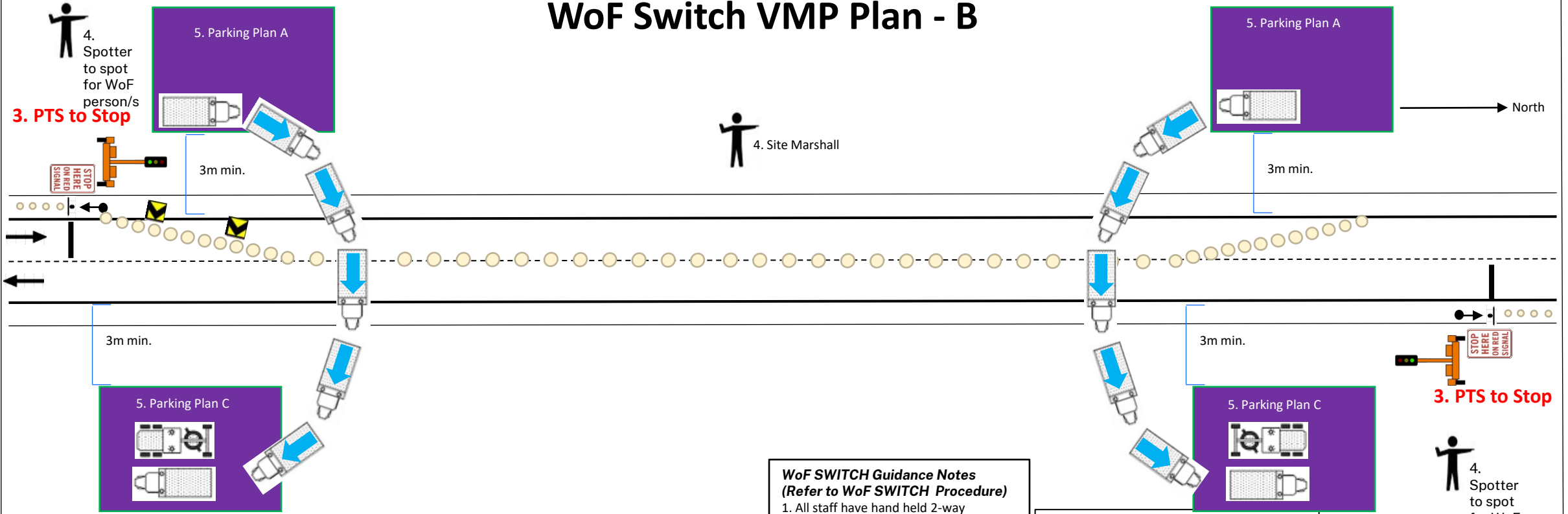
Prepared By: G. Wear
 Signed: G. Wear
 Date: 02/11/2022
 PWZTMP Cert No: TCT0027856

Authorised By:
 Signed:
 Date:

LANE CLOSURE 2 - LANE (2 - WAY) South - Bound Lane Closure
WoF Site Plan For Highway Work

Switch Procedure
 Start time:
 Finish time:

WoF Switch VMP Plan - B



- WoF SWITCH Guidance Notes**
(Refer to WoF SWITCH Procedure)
1. All staff have hand held 2-way
 2. Switch TBT completed
 3. Traffic lights to stop.
 4. Spotters and Site Marshall in place
 5. Vehicle/Plant movement for Switch to be completed with operating flashing lights
 6. Plant locked down in Parking Zone
 7. Switch to be completed.
 8. Make wind rows to form turning areas

Legend	
Barrier Board	
Grader	
Truck	

NOTE:
Plant/vehicles can be parked in any direction OR order documented in the TBT



Project Commencement Date:
20/12/2022

Project Location :

Prepared By: G. Wear

Signed: *G. Wear*

Date: 02/11/2022

PWZTMP Cert No: TCT0027856

Authorised By:

Signed:

Date:

PWZTMP Cert No:

Drawing Description

LANE CLOSURE 2 - LANE (2 - WAY)

South to North Bound Lane

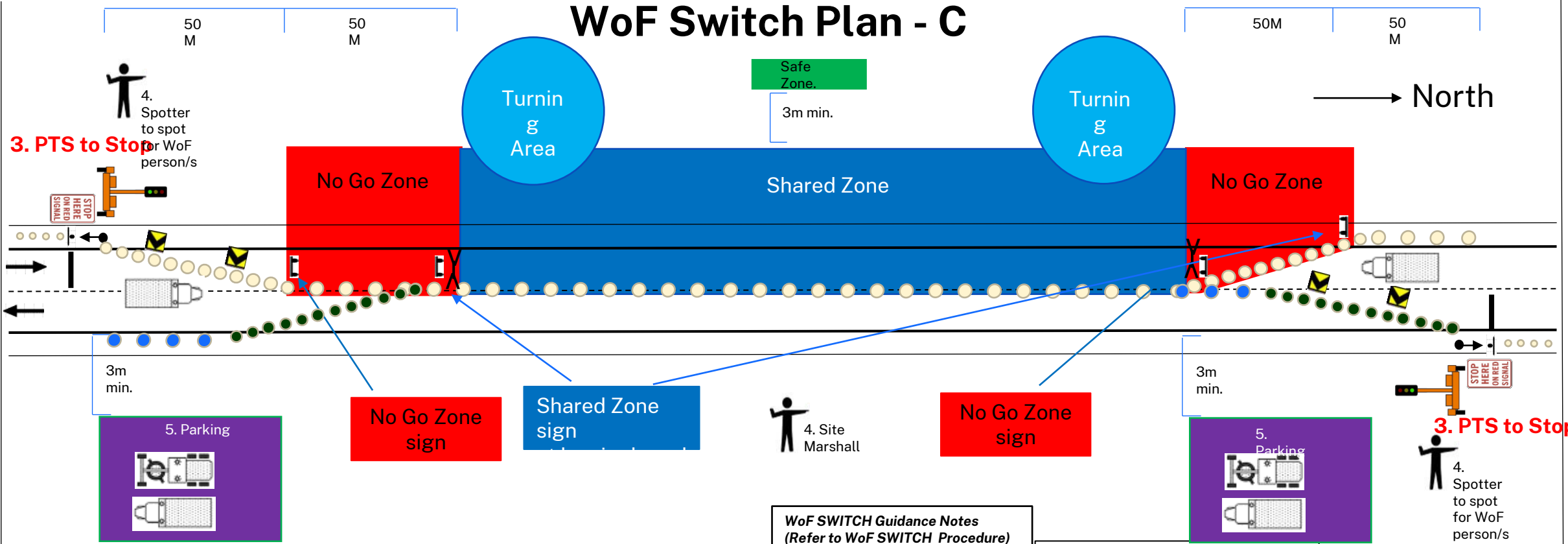
Closure WoF Switch VMP Site

Plan For Highway Work

Switch Procedure

Plant Lockdown completed at :

WoF Switch Plan - C



NOTES
 TCAWS Sect. 6.4.1 Sign/Bollard Placement - Travel in the normal direction of traffic flow.
 TCAWS Sect. 6.4.3 Bollard Removal - Remove in reverse order of erection.
 TCAWS Sect. 6.4.3/4 Sign Removal - As above or Travel in the normal direction of traffic flow. Bollard Removal use 6.4.3
 TCAWS Table 6.2.5 Bollard Spacing - Taper 4m Worksite Delineation 12m

WoF SWITCH Guidance Notes (Refer to WoF SWITCH Procedure)
 1. All staff have hand held 2-way
 2. Switch TBT completed
 3. Traffic lights at stop.
 4. Spotters and Site Marshall in place
 5. Plant locked down in Parking Zone
 6. Switch - Install bollards, barrier boards, WoF zone signs and
 7. Make wind rows to form turning areas


Legend

Barrier Board

Grader

Truck

Drawing Description



Project Commencement
 Date: 20/12/2022

Project Location :

Prepared By: G. Wear
 Signed: *G. Wear*
 Date: 02/11/2022
 PWZTMP Cert No: TCT0027856

Authorised By:
 Signed:
 Date:

LANE CLOSURE 2 - LANE (2 - WAY) South - Bound Lane Closure
WoF Site Plan For Highway Work

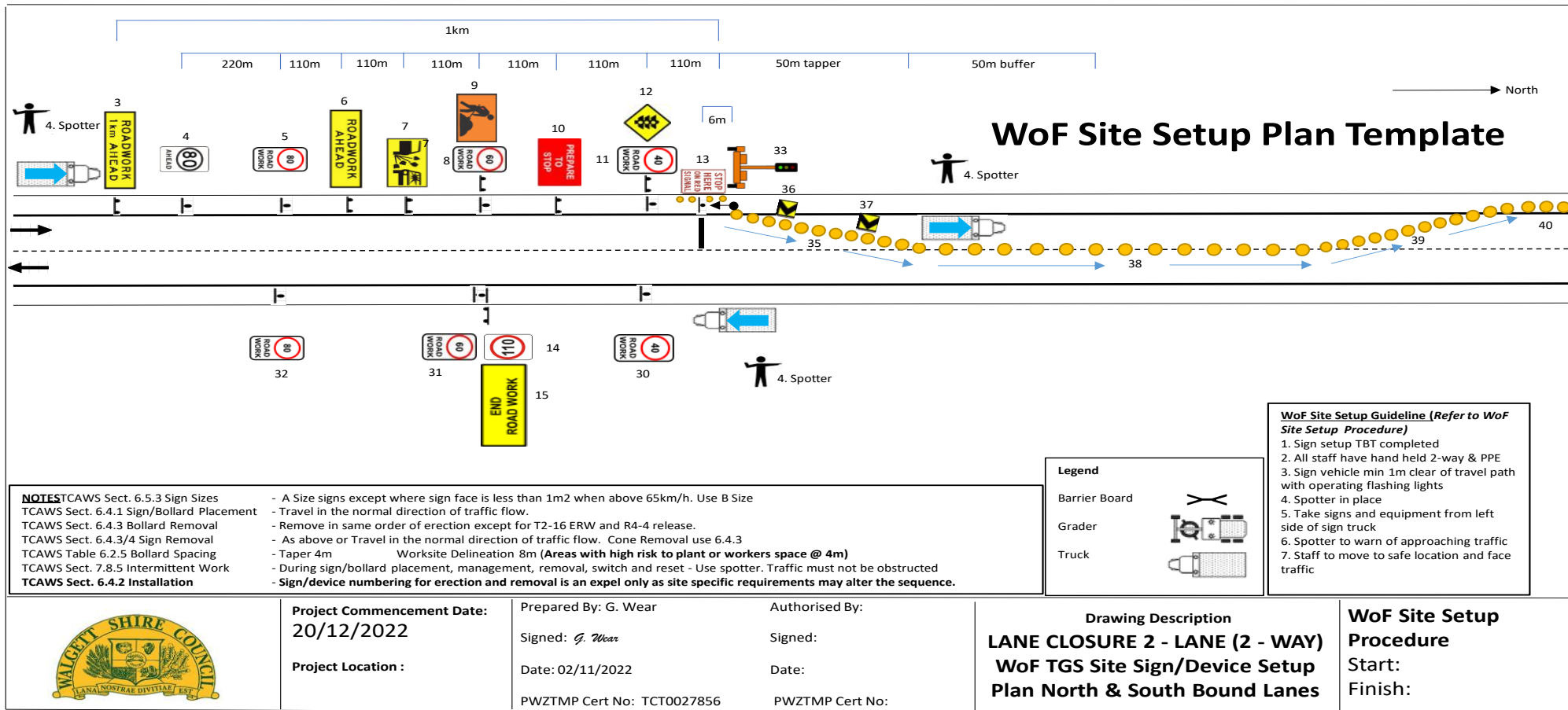
Switch Procedure
 Start time:
 Finish time:

Switch & TGS Setup WOF Procedure Checklists

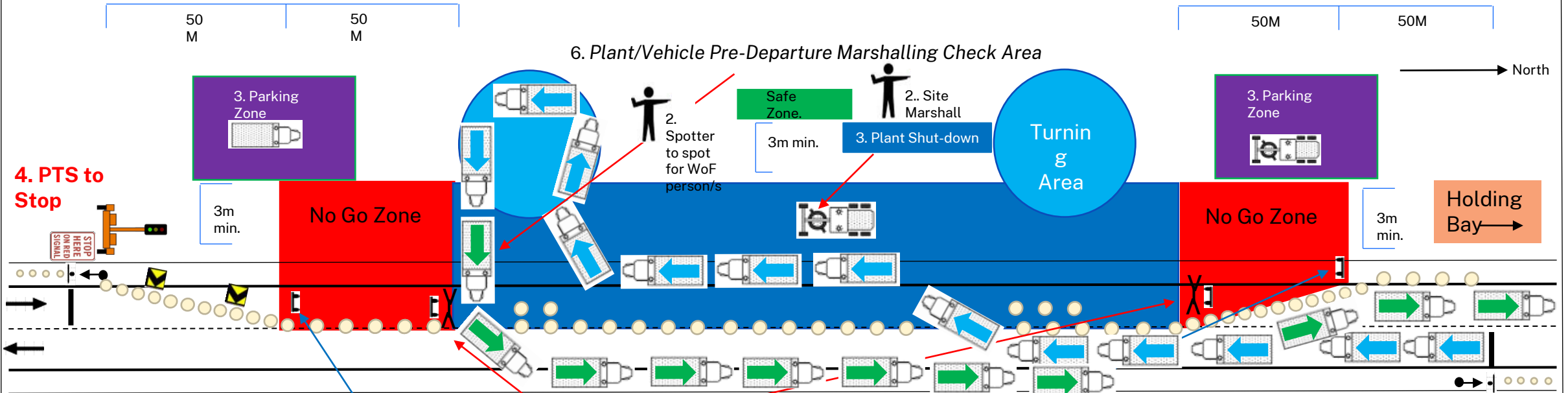
Traffic Guidance Scheme Site Setup Checklist				
To be completed by Team Leader				
Name	Time:	Date		
Order	Action	Yes ✓	No ✓	
1.	Team Leader has confirmed crew have: a. Reviewed Site Setup Plan b. Reviewed Traffic Guidance Scheme c. Checked flashing lights and reversing beepers on sign vehicle d. Have 2-way radios and are wearing PPE	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Signs vehicle driver has: a. Obeyed work vehicle driving rules b. Parked minimum 1 metre clear of for line	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Spotter/s standing: a. 1 metre clear of fog-line b. 4 metres from any vehicle used for carrying signs and devices	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Sign/device Implementers have: a. Removed signs/devices form side of vehicle further from travel path b. Set up signs/devices 2 metres from fog line	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Portable traffic lights vehicle driver has: a. Parked minimum 1 metre clear of for line b. Parked vehicle in parking zone after lights were installed	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Sign/device Implementers have: a. Positioned portable traffic lights on both approaches b. Set portable traffic lights to flashing yellow	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Team Leader has: a. Checked all signs, devices including portable traffic lights are in correct locations b. Checked the vehicle used to tow portable traffic lights is parked in parking zone	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Traffic controller/s have: a. Set portable traffic lights to red b. Have informed the team leader portable traffic lights are set to red	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Signs vehicle driver/ Implement Traffic Control Plans (ITCP) crew/ Spotter have: a. Repeated steps 2, 3, 4 & 6 to setup work area taper/s, buffer/s and worksite delineation	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Team leader has: a. Checked the signs vehicle is parked in the parking zone b. Check the work area taper/s, buffer/s and worksite delineation is correct c. Checked the travel path for traffic clear of obstruction d. Checked the portable traffic signals are operational and traffic is flowing e. Checked the Workers on Foot plan is setup correctly f. Informed the crew to commence work	<input type="checkbox"/>	<input type="checkbox"/>	

Traffic Guidance Scheme Switch Checklist				
To be completed by Team Leader				
Name	Time:	Date		
Order	Action	Yes ✓	No ✓	
1.	All staff have a. Hand held 2-way radios b. Correct PPE	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Review the Traffic Guidance Scheme (TGS)	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Review Workers on Foot (WoF) Switch Plan	<input type="checkbox"/>	<input type="checkbox"/>	
4.	All vehicles have: a. flashing lights b. reversing beepers	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Plant operators and vehicle drivers with exception of sign vehicle: a. locked down in Parking Zone b. Advise site Marshall on completion	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Traffic Controller/s: a. Set Portable Traffic Signals to red	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Signs vehicle driver if required: a. Obey road and work vehicle driving rules b. Park signs vehicle minimum 1m clear of the travel path within the taper location with operating flashing lights and reversing beepers	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Spotter in place minimum 4m from travel path at all sign/device locations	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Implement Traffic Control Plans (ITCP) crew/ Traffic Controller/s: a. Take signs and equipment from left side of sign vehicle b. Re-Instal Taper bollards/cones, barrier boards on both ends of the worksite to complete the Switch	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Grader Driver: a. Make wind rows to form turning areas as required	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Team leader: a. Drive past the taper/s, buffer/s and worksite delineation checking all bollards/cones are in a straight line and correct spacings as per TGS b. Check the travel path past the work area is: I. clear of obstruction II. clear to road users c. Complete the inspection checklist before opening the travel path to traffic and commencing work	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Traffic Controller/s: a. Set portable traffic Signals to allow traffic to flow	<input type="checkbox"/>	<input type="checkbox"/>	

WOF Site Setup Template plan



WSC WoF VMP for Highway Work Site Plan Template



4. PTS to Stop

6. Plant/Vehicle Pre-Departure Marshalling Check Area

2. Spotter to spot for WoF person/s

2.. Site Marshall

3. Plant Shut-down

Turnin
g
Area

3. Parking Zone

No Go Zone

No Go Zone

Holding Bay

No Go Zone sign

Shared Zone sign

No Go Zone sign

5. PTS to Green for site entry
Then, PTS to Stop for turning and exit

Legend

- Barrier Board
- Grader
- Truck
- Vehicle/Truck/Plant Ent
- Vehicle/Truck/Plant Ex

WSC WoF VMP Guide (Refer to WSC WoF VMP Procedure)

- All staff have hand held 2-way
- Spotters and Site Marshall in place
- Plant shut-down in Parking Zone or Shared Zone as per TBT
- North-bound PTS to stop
- South-bound PTS to Green for delivery vehicle only to enter. Then PTS to Stop.

Drawing Description

	Project Commencement Date: 20/12/2022	Prepared By: G. Wear Signed: <i>G. Wear</i> Date: 02/11/2022 PWZTMP Cert No: TCT0027856	Authorised By: Signed: Date: PWZTMP Cert No:	LANE CLOSURE 2 - LANE (2 - WAY) South - Bound Lane Closure VMP Site Plan For Highway Work Entering form North-Bound	VMP Procedure Start time: Finish time:
	Project Location :	PWZTMP Cert No: TCT0027856	PWZTMP Cert No:	VMP Site Plan For Highway Work Entering form North-Bound	VMP Procedure

SUMMARY

At WSC, we believe in giving 110%. We are using the knowledge gained through this tragedy to assist our great team to deliver safer worksites.

We are proactively transforming how we do business through developing new systems and procedures.

"Efficiencies will come from proactively transforming how we do business."



THANK YOU

Greg Wear