



TRAFFIC MANAGEMENT PLAN

**MASTER DA Mode 2
300 to 2,500 patrons**

Fernhill Estate
1041-1117 Mulgoa Road,
MULGOA

Issued
24th October 2013

WHO DARES PTY LTD

TRAFFIC PLANNERS
SAFETY CONSULTANTS
SECURITY CONSULTANTS

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Event Organiser: **Fernhill Estate**

TMP Version: **1.1**

Issue Date: **24th October 2013**

Revision Date:

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This Traffic Management Plan is approved by:

New South Wales Police:

Date:

Transport Management Centre: ROL #

Date:

Penrith City Council:

Date:

Authority of the TMP

This Traffic Management Plan (TMP) when approved by the relevant authorities becomes the prime document detailing the traffic, transport and pedestrian arrangements under which the MODE 2 EVENTS at the Fernhill Estate, Mulgoa Road, Mulgoa, will operate.

In case of emergencies, or for the management of incidents, the NSW Police is not subject to the conditions of this TMP but should endeavour to inform other agencies of the nature of the incident and the Police response.

Planning Contacts

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1. Objectives

- 1.1. To ensure that the Fernhill Estate Mode 2 Events event being held at Fernhill Estate, 1041 Mulgoa Road, Mulgoa is conducted in a safe manner with minimum disruption to the wider community.
- 1.2. This document is based on the successful operation of the same event held on the weekend of 12th & 13th April 2013. A debrief with stakeholders was held and minor changes for improved operation are demonstrated in this plan.
- 1.3. To provide a high level description of the various traffic, transport and pedestrian management to make this event a success.
- 1.4. To provide a framework for each agency to use to develop their own plans.
- 1.5. To serve as the key document that is agreed to by all parties and is the final approval to conduct the event.

2. The Event Details

- 2.1. This TMP is designed for events with minimum 300 and maximum 2,500 patrons.
- 2.2. Public transport will be vigorously promoted through advertising and social media communication. The organisers are planning on a 30% uptake for this means of transport.
- 2.3. Offsite car parking is available will be provide on an event by event basis, this included the shuttle bus to Fernhill Estate.
- 2.4. Free shuttle buses will run from off site car park and Penrith Railway Station. Refer Annex 1 for sample bus timetable.
- 2.5. A free shuttle bus will operate Mulgoa Village residents have access to and from the event, departing in front of the Mulgoa Primary School Mulgoa Rd and setting down on Mulgoa Road just south of Littlefields Road.
- 2.6. The pricing of parking onsite at the venue at will be priced at a higher price is designed to encourage a high uptake of the park and ride shuttle service. Event advertising is focused on "Plan your Day" to encouraging the uptake of the shuttle services.

- 2.7. Some events will have licensed areas where the serving of alcohol will take place responsibly.
- 2.8. The post event entertainment will be provided to spread the departure numbers.

3. Public Notification

- 3.1. All local residents and the general public will be notified of the event via VMS boards, event web site, newspaper notification, and other opportunities that may be available including social media. Advertising will be well in advance and notification will be a minimum of two weeks prior to the event.
- 3.2. RMS operates and maintains a listing of major events with regard to expected traffic delays. This information is provided on the Transport for NSW live traffic website. livetraffic.rta.nsw.gov.au

4. Public Transport

- 4.1. Event organisers may charter buses to run the shuttle services from Penrith Station, and an offsite parking area. Sample timetables are listed in ANNEX 1.
- 4.2. Busways route 795 has limited services along Mulgoa Road on weekends between Penrith Interchange and Warragamba. Four services, in each direction, run from Penrith Interchange on weekends. These services may experience some delay due to the traffic volumes generated by the event and the traffic control at the access locations on Mulgoa Road. Minimal delays were experienced at the April 2013 event.
- 4.3. Busways are to be made aware of this event.

5. Police

- 5.1. Discussions regarding the event and the use of User Pays police with the Penrith LAC are ongoing and a meeting will be arranged in advance of the event to confirm requirements.

6. On-site communications

- 6.1. It is noted that all staff, including on-site marshals and qualified traffic controllers will be in radio contact at all times to allow for appropriate communication and internal and external traffic and parking efficiency.

7. Site Access

- 7.1. Entry to the site will be via two existing gates the Main Gate for VIP's (gate 1) and the second (gate 2) main car park entry and Service Gate (gate 3) Bus entry and main exit.
- 7.2. It is proposed to bring all patrons arriving by car gate 2. This will be accessible only by travelling north and turning left.
- 7.3. There will be no right turn into the entry gates from Mulgoa Road for vehicles traveling south, these vehicles will be follow a detour via St Thomas Rd (south) Farm Road and Littlefields Road to return north bound on Mulgoa Road approaching the estate.
- 7.4. Buses would arrive from the same direction but turn left into gate three. They will be brought into the site and terminate at an appropriate area for set down, disembarkation and turning for exit along the same road. Buses will turn left out of gate two and return to Penrith.
- 7.5. Emergency access will be available via both gates.
- 7.6. Exit from the site for patrons' vehicles will be via service gate. Vehicles will be instructed to exit left to 'M4 Via Penrith' and right 'M4 and M5 Via The Northern Rd'. Traffic controllers will assist for safety.
- 7.7. The site access driveways will be under the management and control of RMS accredited traffic controllers to maintain appropriate and safe access and egress for staff and patrons while maintaining traffic flow along Mulgoa Road.
- 7.8. A temporary restriction of speed on Mulgoa Road, in both directions, will be applied for. It is requested to reduce speed to 60kmph for the 2 kilometres of Mulgoa Road from Mayfair Road to St Thomas Rd immediately alongside the event
- 7.9. Presence of police marked cars on Mulgoa Road is requested to encourage adherence to the speed restriction.

8. On-site parking

- 8.1. Car parking will be provided on the existing open grassed paddocks within three designated on-site car parks for participants and spectators. These parking areas combined will accommodate up to 7500 vehicles conservatively.
- 8.2. The car parks should be filled from west to east, Car park 1 should be utilised first then Car park 2 then Car park 3 to reduce on-site congestion and minimise conflict.

- 8.3. Dedicated and separate staff parking will be provided on-site for approximately 450 vehicles.
- 8.4. All entry and exit locations will be signposted to reduce driver uncertainty.

9. Pedestrian Control

- 9.1. Parking is being provided within the Fernhill Estate similar to the April 2013 event, no vehicles were parked on Mulgoa Road.
- 9.2. When patron purchase tickets it will include prompt to pre-purchase parking or special event bus travel.
- 9.3. The closure of St Thomas Road (north) at Mulgoa Road and St. Thomas Road at Kings Hill Road will minimise the patrons trying to park externally.
- 9.4. Pedestrians will be guided by marshals from the parking areas and the bus and taxi drop off zones to the entry point and across the track into the event.
- 9.5. Traffic Controllers will manage temporary pedestrian crossing from the pedestrian exit point at the south west corner of the number 1 car park.

10. Road Closures

- 10.1. The northern entry point of St Thomas Road will be closed to west of Mulgoa Road and north of Kings Farm Road (access road behind St Thomas Historic Church) during event times to help improve traffic flow.
- 10.2. A detour will be provided via event directional signage on the southern entry point of St Thomas Road to direct patrons to Littlefields Road and then back onto Mulgoa Road to enter the event site from the south.

11. Traffic Control

- 11.1. RMS accredited traffic controllers will be supplied to install signage and manage traffic as per the supplied Traffic Control Plans.
- 11.2. As mentioned earlier in this document it is estimated that up to 30% of patrons will arrive by public transport or park and ride. Patrons will be transferred to the event by chartered shuttle buses.

Buses will run between the event and two Penrith sites, Penrith railway station and the paceway or another off site alternative.

More information will become available as the event sells tickets and patrons indicate through purchasing and surveys what mode of transport they will use.

The organiser desires longevity for the event and will provide whatever resources are required for patron comfort and safety.

12. Emergency Access

- 12.1. At all times, the traffic management seeks to maintain direct and convenient emergency vehicular access via Mulgoa Road. The Main entry gate 1 is the first recommendation. Gate 2 and 3 will be an alternative that will be available and buses and taxis on that road will be controlled by traffic controllers to assist emergency access along that road if needed.

13. Execution

- 13.1. This TMP was developed in consultation with the NSW Police, and the event organisers.

14. Insurance

- 14.1. A \$20,000,000 Public Liability Insurance Certificate has been undertaken by Fernhill Estate. The Roads and Maritime Services and Transport for NSW, must be listed as an interested party on this policy.

15. Variable Message Signs

- 15.1. The use of Variable Message Signs (VMS) is proposed for the event period. The VMS's will be positioned in safe locations and should not obstruct vehicle or pedestrian access, visibility to traffic signals, road signs or pedestrian crossing locations. They are to be in place and ready for operation prior to the days set out below.
- 15.2. VMS will be placed on Mulgoa Road a minimum of one week prior to the event at the following locations:
- Mulgoa Road north approach – 900 metres north of the site entry
 - Mulgoa Road south approach – 450 metres south of the site entry.

Sign frames to be displayed between one week prior are illustrated in Figure 15.3 to Figure 15.4 below:

Figure 15.3 Pre-event VMS – Frame 1 Figure 15.4 Pre-event VMS – Frame 2



Sign frames to be displayed on the day of the event day between the hours of (TBA) are illustrated in Figure 15.5 to Figure 15.8 below:

Figure 15.5 Pre-event VMS – Frame 1 Figure 15.6 Pre-event VMS – Frame 2

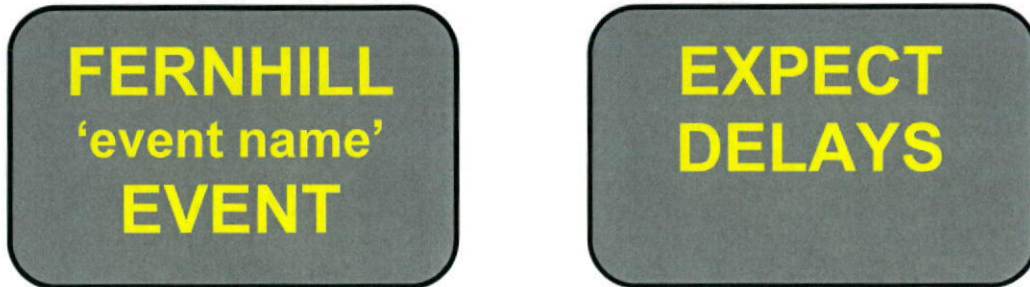
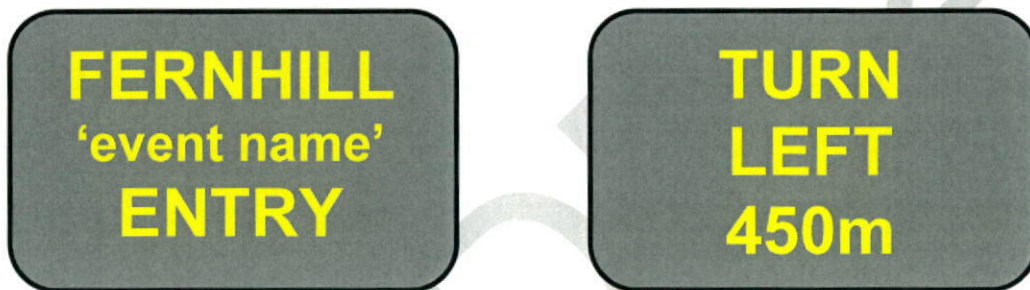


Figure 15.7 Pre-event VMS – Frame 1 Figure 15.8 Pre-event VMS – Frame 2



- 15.9 It is noted that the VMS and static signs will be installed by a suitably qualified contractor with appropriate insurances.

16. Special Event Directional Signage

- 16.1. Appropriate directional signage will also be implemented on-site and in approaching streets to the site to manage and control the movement of vehicles to and from the event site and the car parks. All entry and exit locations will be signposted and staffed with RMS qualified Traffic Controllers to reduce driver uncertainty. The staff car park will be signposted to allow easy access by staff with the use of marshals (to be on-site early) as required.

Figure 16.2 illustrates the static sign layout for the following locations:

- The Northern Road – north approach at Littlefields Road
- Mulgoa Road opposite Littlefields Road (facing Littlefields Road)
- St Thomas Road – east approach at Farm Road
- Farm Road – north approach at Littlefields Road

Figure 16.2 Static sign (various locations listed above)



Figure 16.3 illustrates the static sign layout at the following locations:

- Mulgoa Road directing vehicles approaching from the north to use St Thomas Road in order to approach the entry driveway from the south. Given the VMS's located on The M4 Motorway and Mulgoa Road (north of the M4); this volume of traffic is expected to be relatively low. It is also recommended that a qualified traffic controller be present at this location, and at the main site entry to direct/ inform vehicles as required.
- Mulgoa Road at the site entry.

Figure 16.3 Static sign (various locations listed above)



Figure 16.4 illustrates the static sign layout at the following locations:

- Northern side of St Thomas Road facing eastbound traffic 100m m east of Mulgoa Road, then repeated a further 200m up the road

Figure 16.4 Static sign (various locations listed above)



Physical Survey of the Route

Item	Verified	Action Taken
All one way Sts are as described	<input checked="" type="checkbox"/>	
Block access to local businesses	<input type="checkbox"/>	Local Businesses will be aware of the road closures
Block Ambulance access	<input checked="" type="checkbox"/>	All Emergency Services notified of event. Police to facilitate emergency vehicle access
Block local resident access	<input type="checkbox"/>	Limited access provided under police or nominated traffic management contractor control
Block Police vehicle access	<input checked="" type="checkbox"/>	Police to facilitate access
Block public transport access	<input checked="" type="checkbox"/>	Some delays due to traffic diversion
Restricted movements – banned turns, heavy/high vehicles	<input type="checkbox"/>	Intersections under Police/Traffic Controller
Road signage – existing/temporary	<input checked="" type="checkbox"/>	
Signalised intersections	<input type="checkbox"/>	To be managed by RMS
Traffic generators – shopping centres, schools, churches, industrial area, hospitals	<input checked="" type="checkbox"/>	Traffic generators are aware of standard road closures

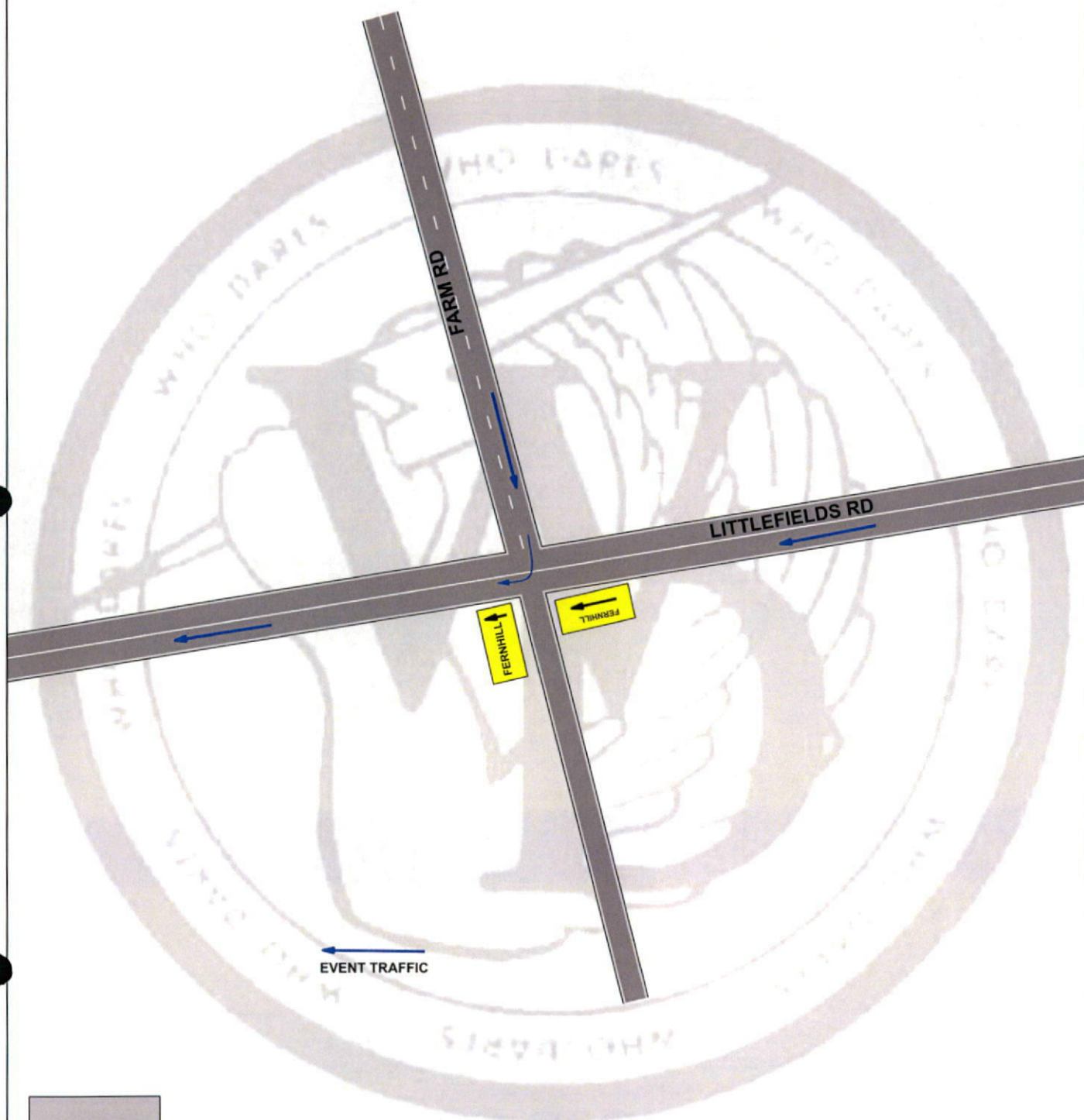
Contingency Plan Checklist

Issues/Risks	Applicable	Action Taken
Heavy Weather	<input checked="" type="checkbox"/> No	This is an all-weather event
Accident on the route	<input checked="" type="checkbox"/> No	Standard
Breakdown of vehicle or heavy vehicle	<input checked="" type="checkbox"/> No	Standard
Security of participants	<input checked="" type="checkbox"/> Yes	Security will be on-site
Security of very important persons (VIPs)	<input checked="" type="checkbox"/> No	Security on the day.


Attachments:


- TCP 1 Littlefield & Farm Rd MULGOA
- TCP 2 Littlefields & Mulgoa Rd MULGOA
- TCP 3 Northern and Littlefield Rd MULGOA
- TCP 4 St Thomas Farm & Kings Hill Rd MULGOA
- TCP 5 Entry Gates
- TCP 6 Exit Gates
- TCP 7 Parking Bus and Pedestrians
- TCP 8 Car Park Fill Rates
- TCP 9 VMS Loc map Mulgoa
- TCP 10 Exit Gate Driveway
- TCP 11 Bus Parking

- ANNEX 1.A SAMPLE Penrith Station Bus Timetable
- ANNEX 1.B SAMPLE Penrith Paceway Bus imetable
- ANNEX 1.C SAMPLE Busway Shuttle Route maps



SIGNAGE

FERNHILL  x 1

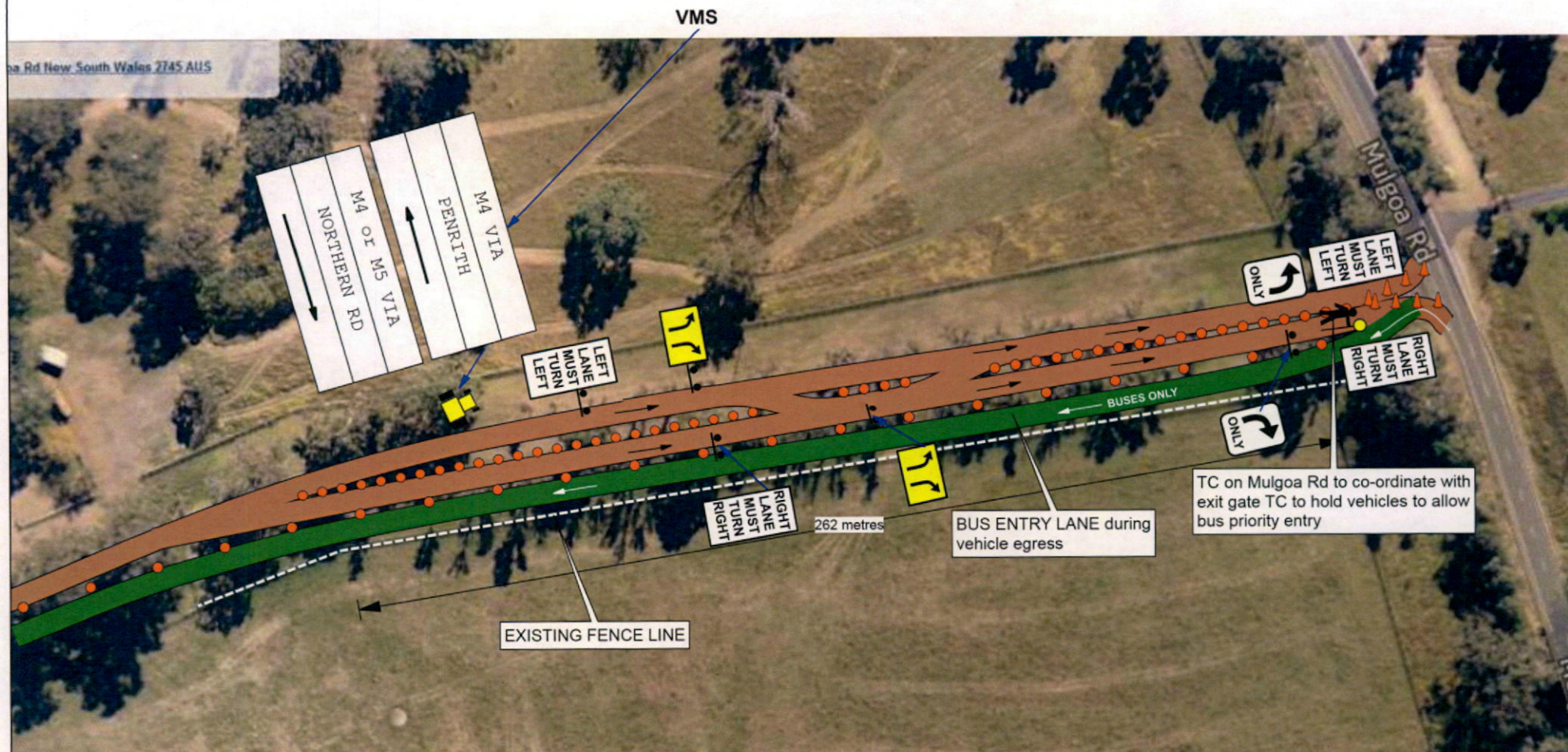
FERNHILL  x 1






LOCATION	Littlefields Rd & Farm Rd MULGOA	Details:	REVISED 22 OCT 2013
DATE		SHORT TERM WORKS	
TIME OF WORKS		This plan shows traffic control positions and advance warning signage approaching Littlefields Rd at Farm Rd	
CLIENT	Fernhill Estate		
PROJECT	MODE 2 EVENTS		
PLAN #	001		
MINIMUM STAFF REQ			




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Mulgoa Rd New South Wales 2745 AUS




EQUIPMENT	
BOLLARDS x 30	 x 2
CONES x 20	 x 2
	 x 2
	 x 1
	 x 1


TRAFFIC CONTROLLER
with STOP/SLOW Bat

LOCATION	Mulgoa Road MULGOA - Fernhill Estate Exit
DATE	
TIME OF WORKS	
CLIENT	Fernhill Estate
PROJECT	MODE 2 EVENTS
PLAN #	010
MINIMUM STAFF REQ	

Details:
SHORT TERM WORKS

REVISED 22 OCT 2013


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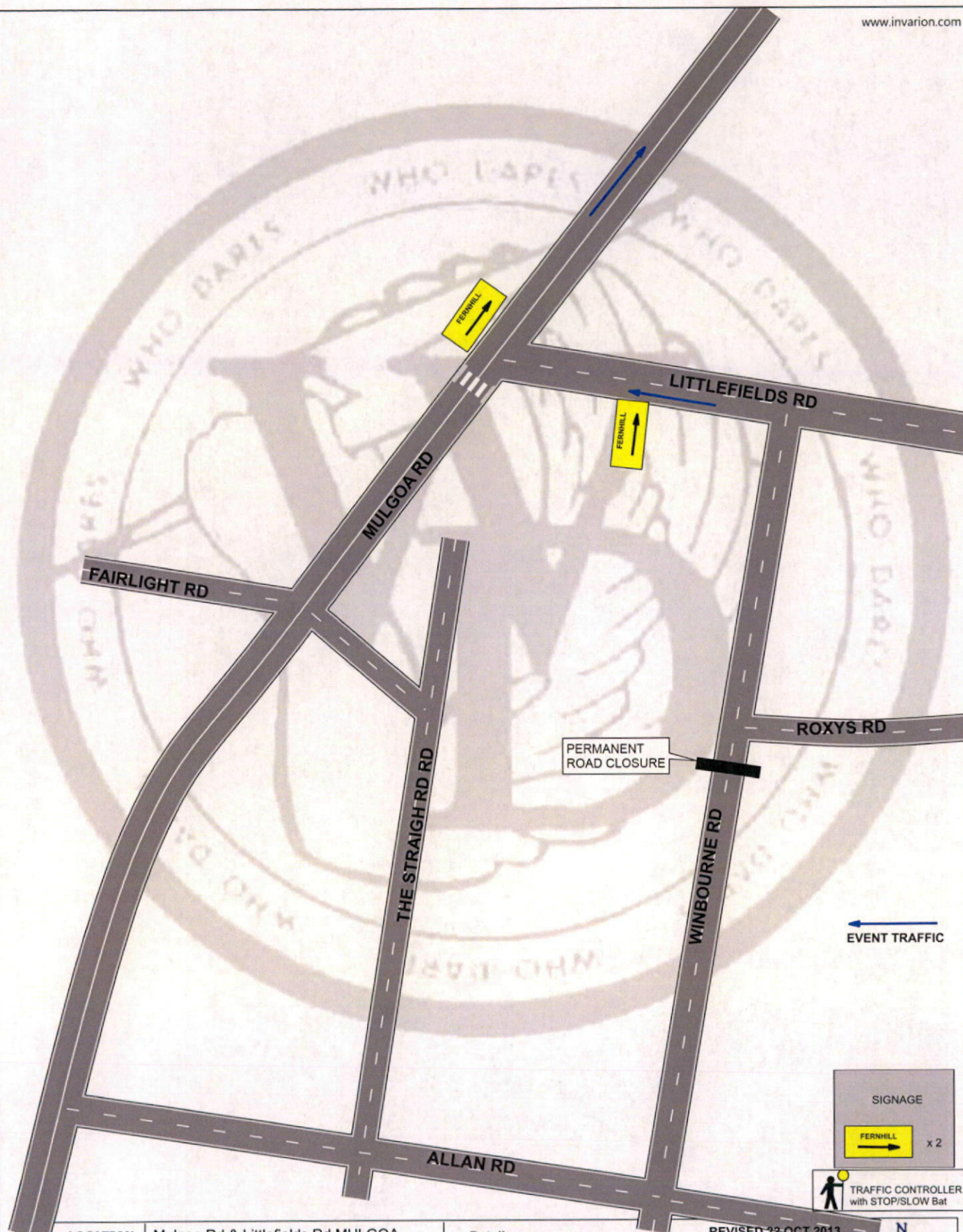


LOCATION	BUS PARKING	Details:	REVISED 22 OCT 2013
DATE		SHORT TERM WORKS	
TIME OF WORKS		Corporate bus parking and layover area	
CLIENT	Fernhill Estate	off the service entry roadway	
PROJECT	MODE 2 EVENTS		
PLAN #	011		
MINIMUM STAFF REQ			

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LOCATION Mulgoa Rd & Littlefields Rd MULGOA

DATE

TIME OF WORKS

CLIENT Fernhill Estate

PROJECT MODE 2 EVENTS

PLAN # 002

MINIMUM STAFF REQ

Details:

SHORT TERM WORKS

It is proposed to control traffic via Stop/Slow to assist vehicle movement to the event.

The plan shows traffic control positions and advance warning signage.

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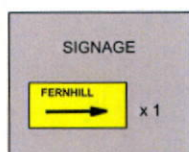
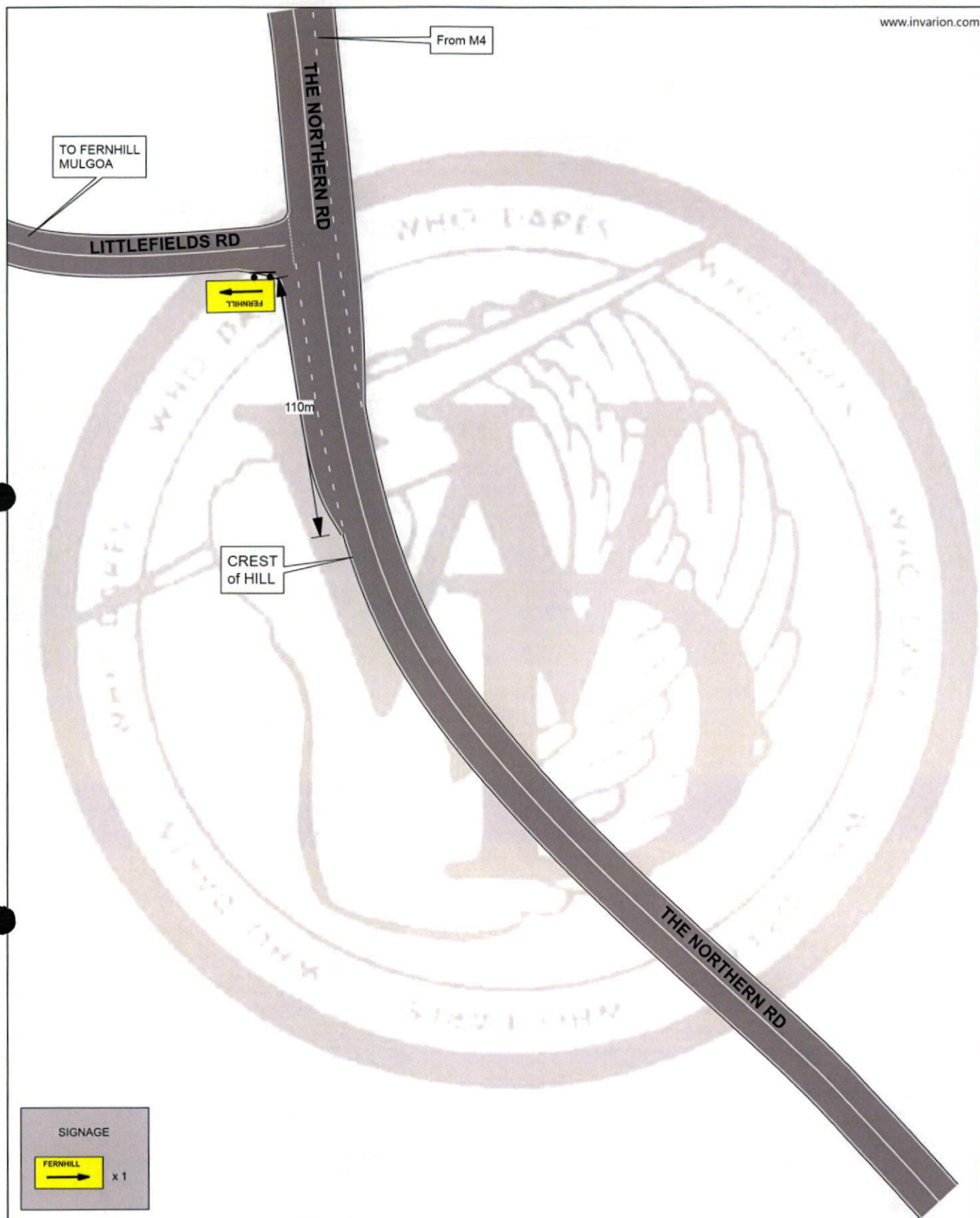
SIGNAGE

FERNHILL x 2

TRAFFIC CONTROLLER with STOP/SLOW Bat



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Greg Mooney



LOCATION	The Northern Rd & Littlefields Rd LUDDENHAM
DATE	
TIME OF WORKS	
CLIENT	Fernhill Estate
PROJECT	MODE 2 EVENTS
PLAN #	003
MINIMUM STAFF REQ	

Details:**SHORT TERM WORKS**

This plan shows traffic control advance warning signage approaching Littlefields Rd NORTH bound.

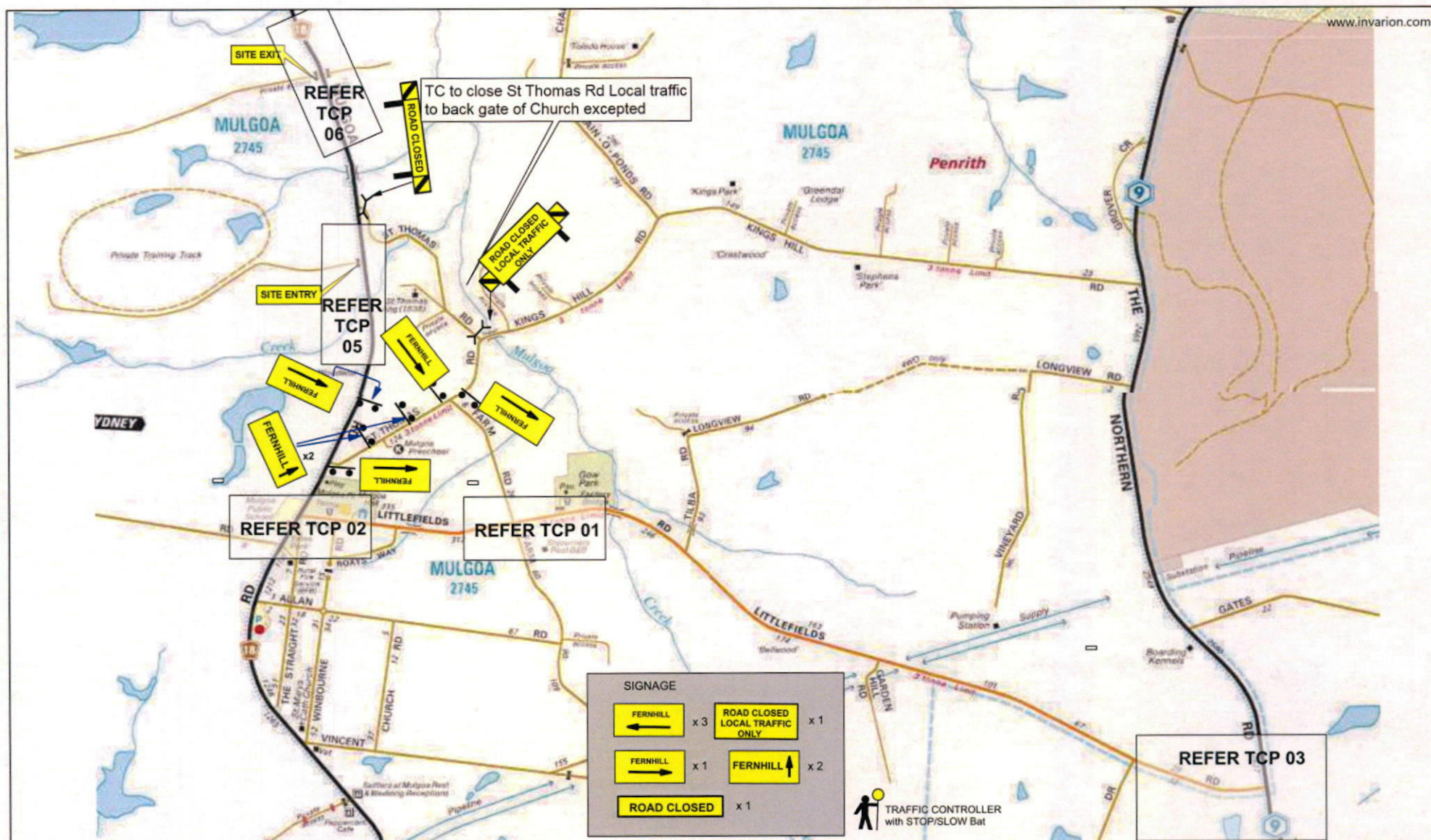
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LOCATION	St Thomas Rd, Farm Rd & Kings Hill Rd MULGOA
DATE	
TIME OF WORKS	
CLIENT	Fernhill Estate
PROJECT	MODE 2 EVENTS
PLAN #	004
MINIMUM STAFF REQ	

Details:

SHORT TERM WORKS

St Thomas Rd Closed at Mulgoa Rd

St Thomas Rd closed at Kings Hill Rd (Local Access EXCEPTED)

Directional signage in St Thomas Rd at Farm Rd

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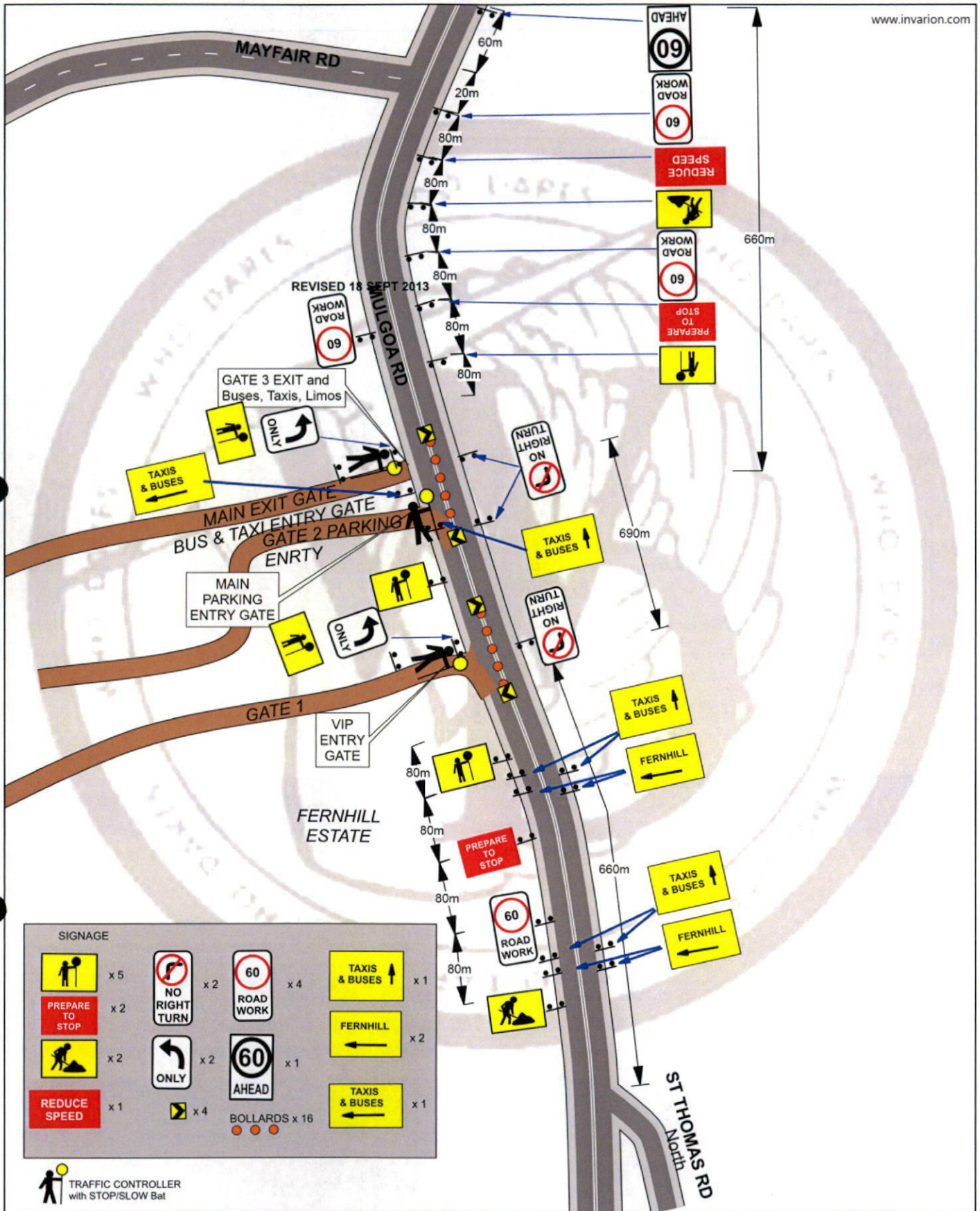
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LOCATION	Mulgoa Road MULGOA - Fernhill Estate Exit
DATE	
TIME OF WORKS	
CLIENT	Fernhill Estate
PROJECT	MODE 2 EVENTS
PLAN #	05
MINIMUM STAFF REQ	

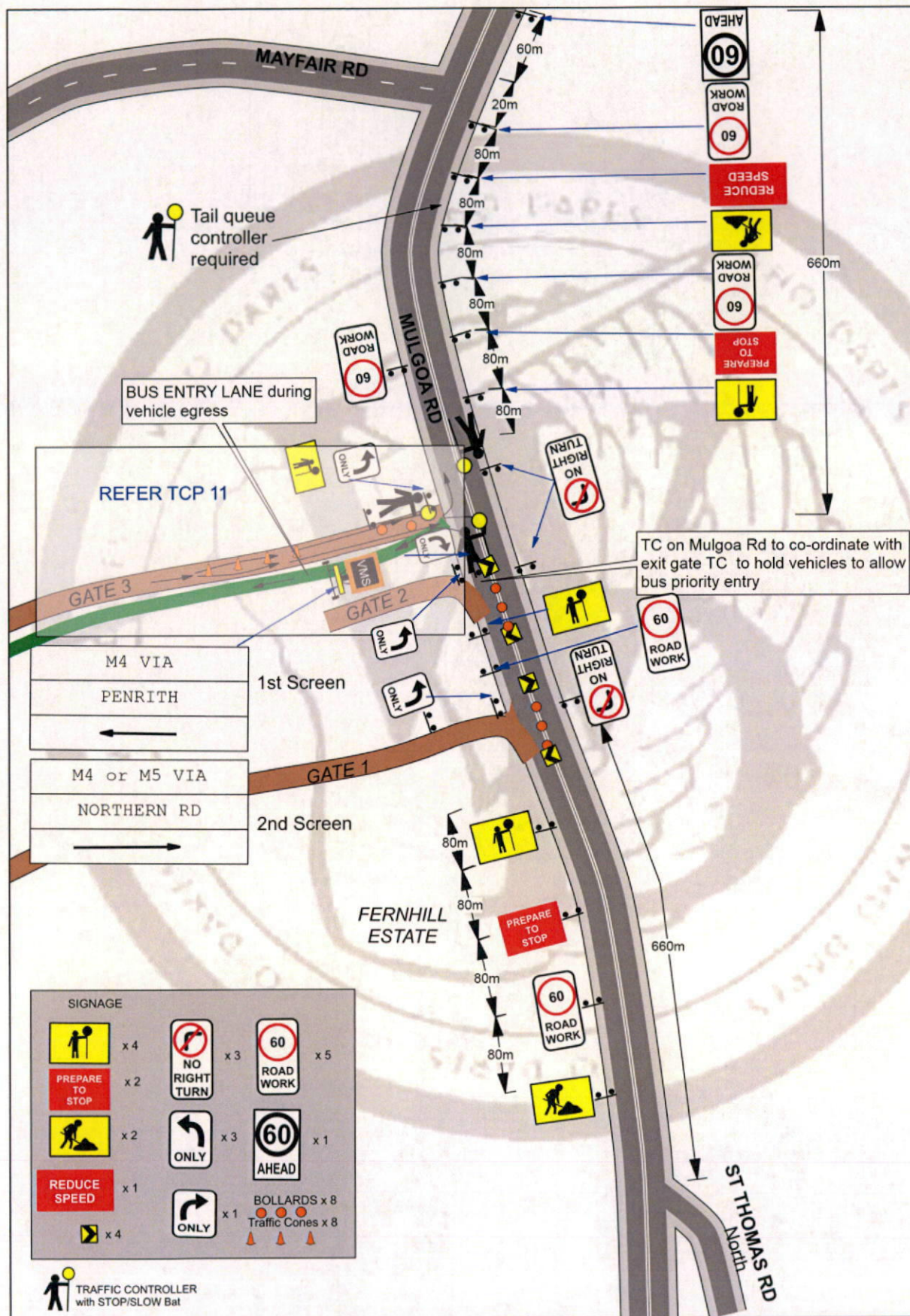
Details:

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SHORT TERM WORKS

This plan shows traffic control positions and advance warning signage approaching the Fernhill Estate EXIT on Mulgoa Road.

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LOCATION	Mulgoa Road MULGOA - Fernhill Estate Exit
DATE	
TIME OF WORKS	
CLIENT	Fernhill Estate
PROJECT	MODE 2 EVENTS
PLAN #	06
MINIMUM STAFF REQ	

Details:

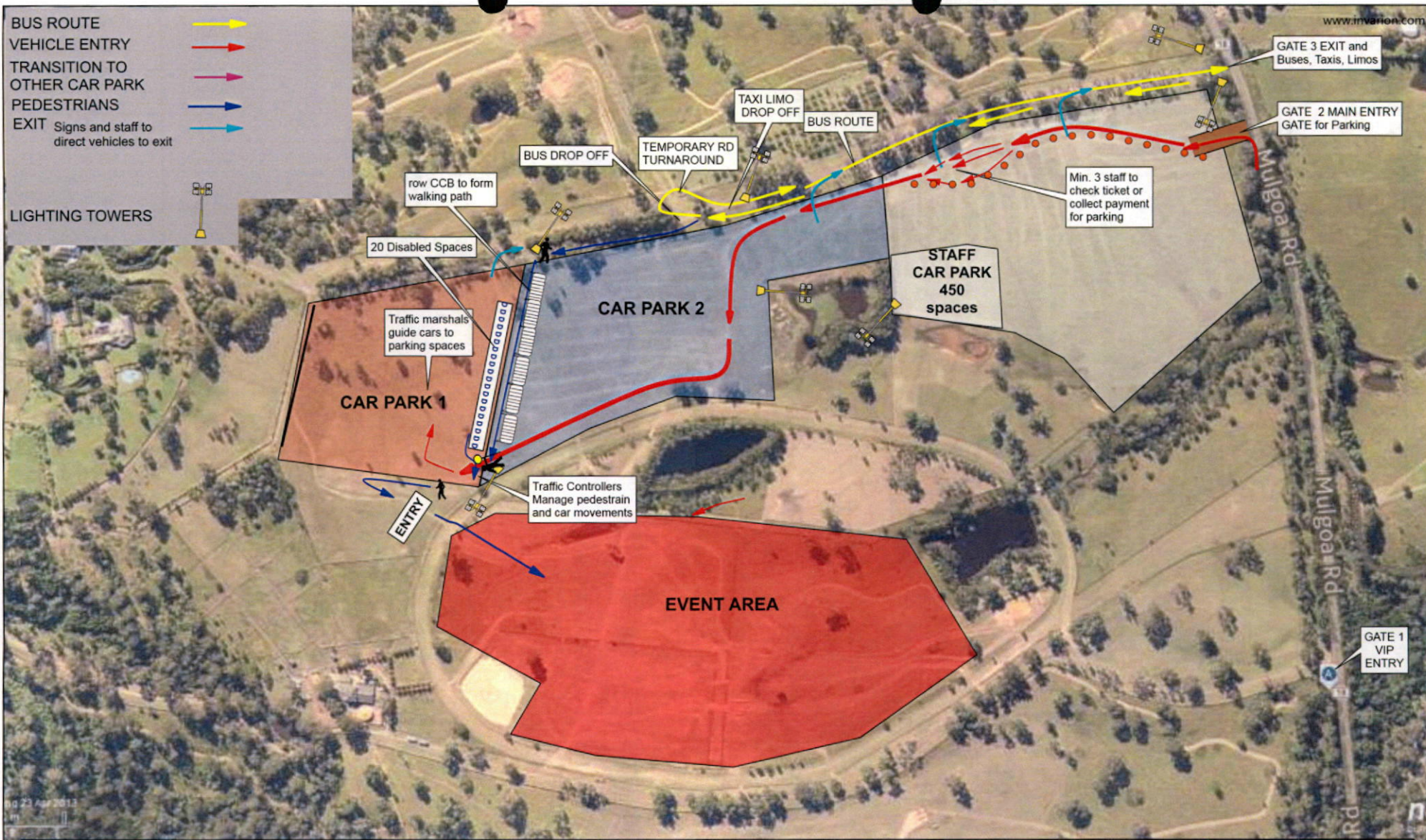
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SHORT TERM WORKS

This plan shows traffic control positions and advance warning signage approaching the Fernhill Estate EXIT on Mulgoa Road.



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Greg Mooney



Location: 1041 Mulgoa Rd, Mulgoa.

Date:

Time of works:

Client: Fernhill Estate

Project: MODE 2 EVENTS

Plan No.: 07

Details:

SHORT TERM WORKS

This plan shows the paths that vehicles will use to enter and exit the event site, and also the path that pedestrians will take between the Car Park areas and Event Area.

it has been designed to minimise the conflict between them and at the few points where the paths do intersect, there will be event marshals to safely maintain the movement both vehicles and pedestrians.

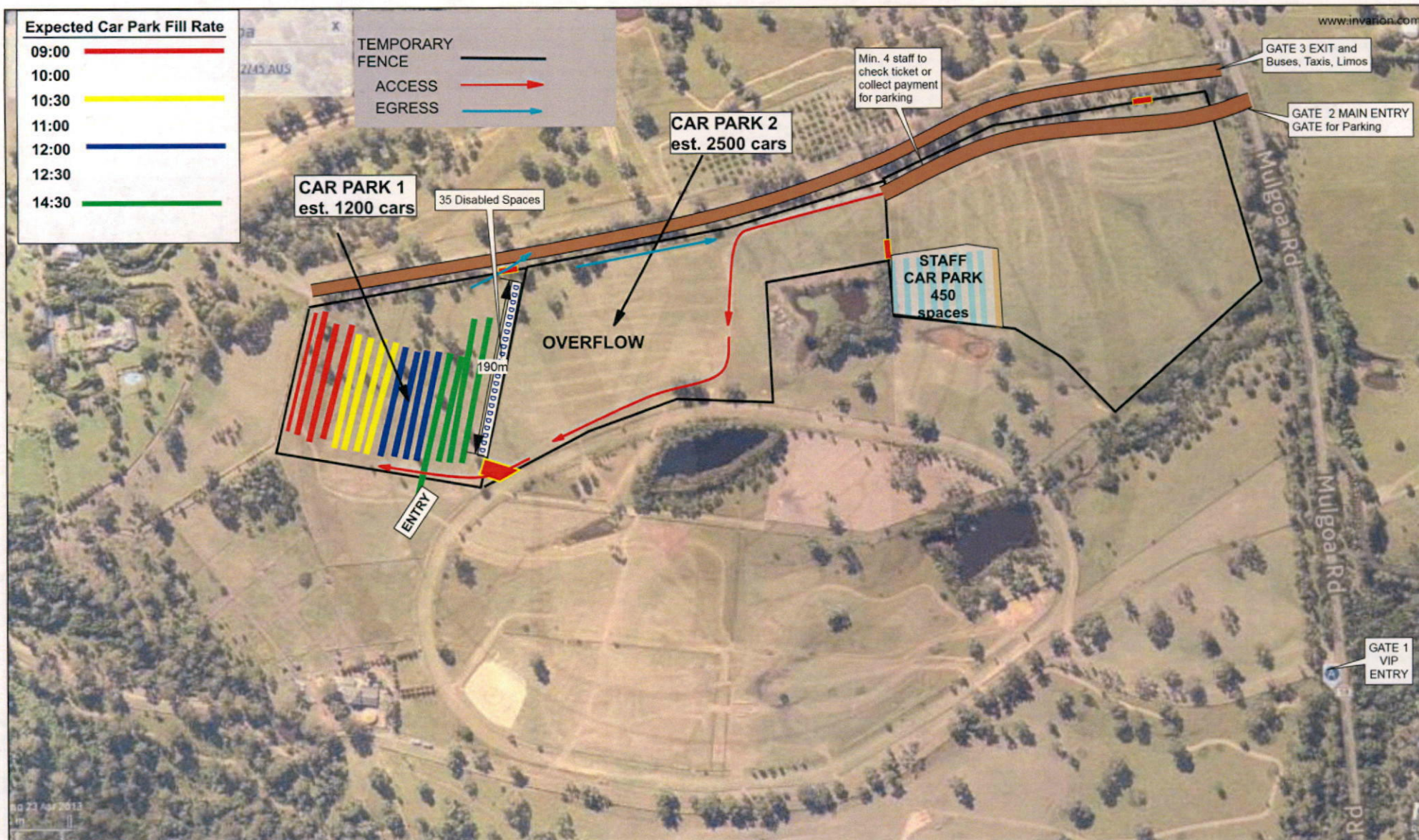
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Signature: *ga*

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Location: 1041 Mulgoa Rd, Mulgoa.

Date:

Time of works:

Client: Fernhill Estate

Project: MODE 2 EVENTS

Plan No.: 08

Details:

SHORT TERM WORKS

This plan details the way that the 3 separate car parks will be filled from West to East with participants & spectators and indicates the approximate time line of how the car parks will be filled and the expected capacity's

It also details the location of the staff and overflow car parks and there approximate capacity's.

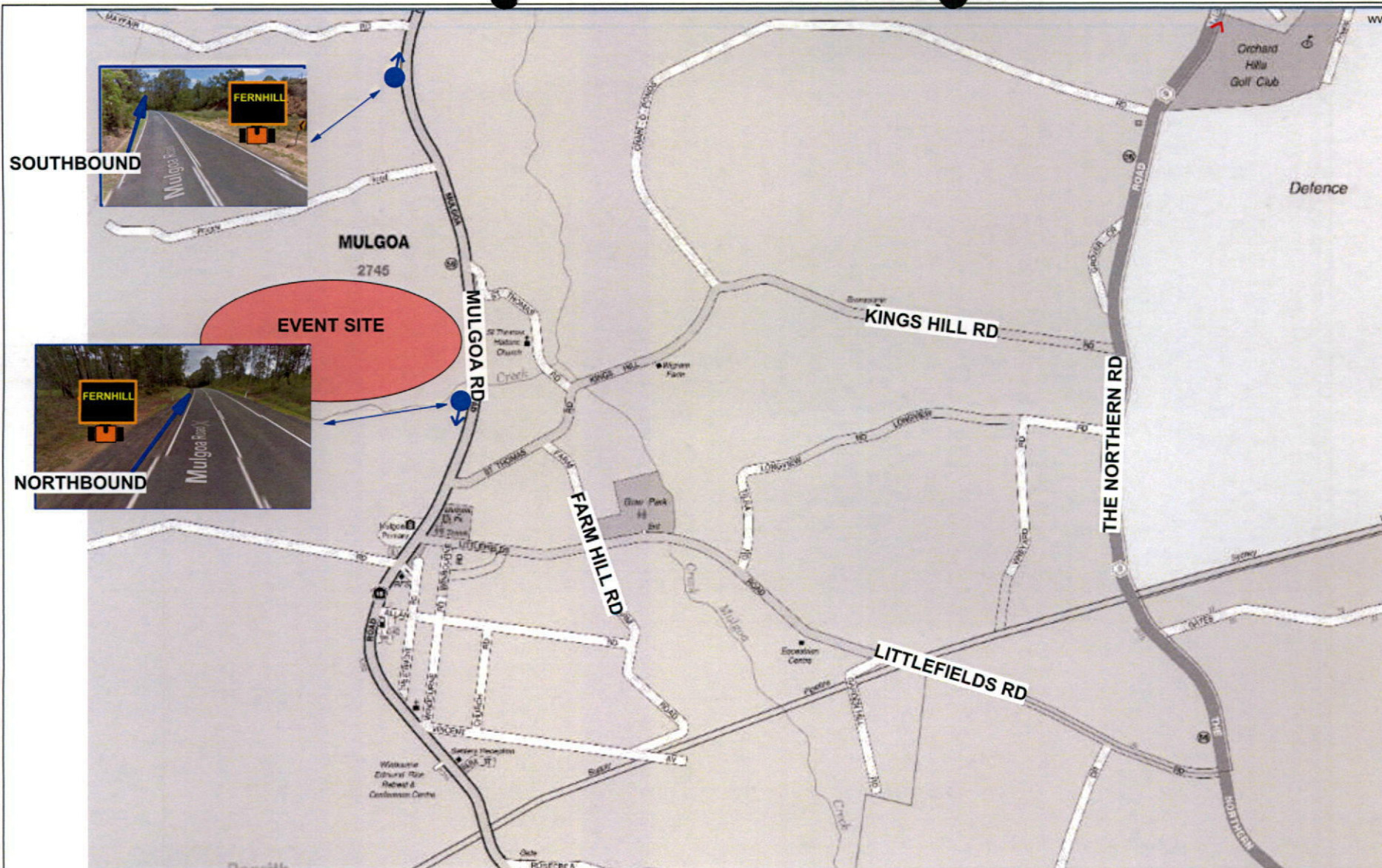
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Location: Mulgoa Rd & The Northern Rd

Date:

Time of works:

Client: Fernhill Estate

Project: MODE 2 EVENTS

Plan No.: 09

Details:

SHORT TERM WORKS

The plan is to show the location of where the Variable Message Signs will be installed on the and also on Mulgoa Rd one week prior to the event

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