Department of
Environment and Conservation

Our environment, our future

DEPARTMENT OF ENVIRONMENT

AND CONSERVATION

GENERIC TRAFFIC MANAGEMENT PLAN

PRESCRIBED BURNING

NOTE:

A CURRENT COPY OF THIS TMP SHALL BE AVAILABLE FOR REFERENCE AT ALL WORKSITES

Final: October 2010

October 2010

OPUS

Generic Traffic Management Plan Authorisation

Revision	Name/Company	Accreditation Details	Expiry Date	Signed
RTM Review	Brad Brooksby/ OPUS	RTM 0032		Original Copy Signed by Brad Brooksby held in Bunbury
DEC	Instrument of Authorisation	October 2004	NA	
Next Review Due 2013				

Document Versions

Title: **Generic Traffic Management Plan – Prescribed Burning**
Owner: **Department of Environment and Conservation**

Summary of Document Revisions			
Revision Number	**Date Revised**	**Description of Change/Reference**	**Prepared**
1.0	2008	Draft Document	Dec 2008
1.1	2009	Final Document	Feb 2009
2.0	2010	Revision of AS1742.3 Revision of MRWA CoP Incorporation of Multi-Message Signs	Oct 2010

Glossary

AS	**Australian Standard**
AS/NZS	**Australian and New Zealand Standard**
CoP	**Traffic Management for Works on Roads Code of Practice (MRWA)**
MRWA	**Main Roads Western Australia**
TCD	**Traffic Control Diagram**
TMP	**Traffic Management Plan**

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1 OVERVIEW

1.1 Prescribed Burning Within DEC

The Master Burn Planning process is completed twice a year to identify and schedule areas to be treated with prescribed fire during the next three years.

The schedule of prescribed fire operations is then determined for ignition in the season ahead. The timing of the actual ignition event is determined by the alignment of suitable weather conditions and other factors necessary for achieving the desired outcomes of each burn.

A Prescribed Fire Plan is developed for each burn in accordance with Fire Operations Guideline (FOG) 79.

These proposed burns are designed to achieve a combination of purposes that include:

- Biodiversity conservation through the application of scientifically based fire regimes to maintain and protect native flora and fauna communities and/or habitats;
- Community protection - protection of human life, property, public assets, parks, timber values and plantations; and
- Silvicultural burns for regeneration of native forests following timber harvesting.

Traffic management is addressed in each of these plans to minimise the risk to road users and departmental personnel associated with prescribed burning operations. This can include burning trees, falling limbs, smoke affecting visibility, and fire trucks working in close proximity to roads or moving slowly along roads.

2 SCOPE OF PLAN

This Generic Traffic Management Plan (TMP) has been prepared for prescribed fire activities involving short term works on roads. FOG 64 provides further guidance and procedures regarding the context and application of the TMP.

The Generic Traffic Management Plan addresses the minimum traffic management requirements for work activities through the generic Traffic Control Diagrams attached in Appendix E. The document has been prepared in accordance with current versions of the Main Roads Western Australia Traffic Management for Works on Roads Code of Practice (2009) and Australian Standard 1742.3 – 2009.

3 MINIMUM QUALIFICATIONS

The minimum qualifications of personnel required for the implementation of this Generic Traffic Management Plan shall be as follows:

Task	Required Accreditation
Preparation of procedures for routine daily traffic management activities in accordance with and up to the planning level specified in Clause 2.2.1 (a) of AS1742.3 – 2009 Onsite management of the installation and maintenance of traffic signs and control devices at worksites (and events) on roads	*Basic Worksite Traffic Management*

These qualifications are to be current at all times during implementation of this Generic Traffic Management Plan with a minimum of one person with Basic Worksite Traffic Management accreditation onsite during activities to check visibility, ensure the correct positioning of signs, and completion of the daily diary.

4 SAFETY PLAN

All persons undertaking these activities, or using the site, have a duty of care under statute and common law to themselves, their employees, and all site users lawfully using the site, to take all reasonable measures to prevent accident or injury.

This Generic Traffic Management Plan is part of the overall burn safety management and provides details on how all road users, considered likely to pass through or around the site, will be safely and efficiently managed for the full duration of the site occupancy and works.

4.1 Site Access

All personnel shall ensure that trails and/or the verge area are kept clear of plant, equipment and materials to allow access at all times. Where the worksite intrudes into the trails and/or verge area, the worksite is to be delineated, or the path is to be barricaded, with mesh fencing where appropriate.

4.2 Environmental Factors

- Vegetation – upon site inspection, ensure that vegetation will not obscure planned traffic control device locations.
- Shadowing – upon site inspection, ensure that traffic control device locations shall not be subject to the effects of shadowing or sun position of east-west roads.
- Wind – review signage that is subject to being obscured by smoke as per the risk analysis.

5 EQUIPMENT REQUIREMENTS

- All personnel must comply with FOG 73 – Personal Protective Equipment.
- On-site radio communications must comply with DEC Policies and Procedures including the Prescribed Fire Plan completed in accordance with FOG 79.
- Vehicle warning lights must be used in accordance with DEC Policies and Procedures including FOG 68 – Identification of DEC Fire Vehicles.

6 LIAISON WITH STAKEHOLDERS

Requirements for liaison with stakeholders will be set out in the Prescribed Fire Plan completed in accordance with FOG 79.

7 RISK ASSESSMENT

Individual worksite risk assessments are required for prescribed fire activities as each site has its own particulars. This will require a site visit and determination of the suitability of this Generic Traffic Management Plan and the application of Generic Traffic Control Diagrams based on traffic volumes, traffic speed, road widths and condition, vegetation, likely wind and smoke direction.

Generally the risks are determined based on working space and likely visibility. A typical Risk Rating Calculator is attached at Appendix A. Each site is to have the Risk Analysis of

Proposed Burn Form (attached at Appendix B) considered and applied prior to the works commencing.

Appendix D identifies risks and options for their treatment. When risks at the site cannot be mitigated by the application of this plan so that the risks are Low or Moderate, the plan is not to be used. .

All identifiable risks have been addressed by the development and application of this Generic Traffic Management Plan. Unforeseen risks arising during the works will be treated in accordance with standard DEC work practices and procedures where appropriate.

8 SITE TRAFFIC CONTROL DIAGRAMS

8.1 Diagram Details

Generic Traffic Control Diagrams suitable to most work situations have been formulated so that burn crews can implement them to suit their particular task. These are provided in Appendix E. Options include the use of multi-message signs, if available.

Traffic devices shall be in good condition and used in accordance with the Traffic Control Diagram to direct traffic flow. All temporary speed limit signs shall be at least 200mm above the ground.

8.2 Cones and Bollards

Cones and bollards shall be used in accordance with the Traffic Control Diagram to delineate traffic flow and to provide clearance between the traffic stream and work areas.

8.3 Unattended Worksite

It is a requirement to maintain the Traffic Control Diagram layout until the works are completed. If the works are unattended, however, then the Worker Symbolic (T1-5) sign is to be replaced with the Smoke Hazard (T4-6) sign, and the 40km/hr speed sign is to be replaced with a 60km/hr speed sign, unless severe visibility restrictions exist, in which case the 40km/hr sign should remain.

8.4 Night Time Traffic Control

Most activities are completed within daylight hours; however, if night traffic control is required, then the existing traffic control diagram can be supplemented with the use of flashing amber lights on Advance Warning Signs (e.g. Reduce Speed, Roadwork, and Speed Limit signs), as required.

8.5 Visibility Restrictions/Smoke

If smoke or haze restricts visibility, all signs are to be located further away where they can be clearly seen. The following table give guidance on minimum distances.

Posted Speed Limit (km/hr)	**Minimum Distance** (m)
60	120
70	140
80	160
90	180
100	200
110	220

9 TRAFFIC MANAGEMENT CONSTRAINTS

This plan is not to be used where traffic signals, railway level crossing signals or other traffic controls exist that would impact on the traffic flows of the proposed worksite. Contact should be made with the relevant stakeholders in the burn planning phase to manage the associated risks.

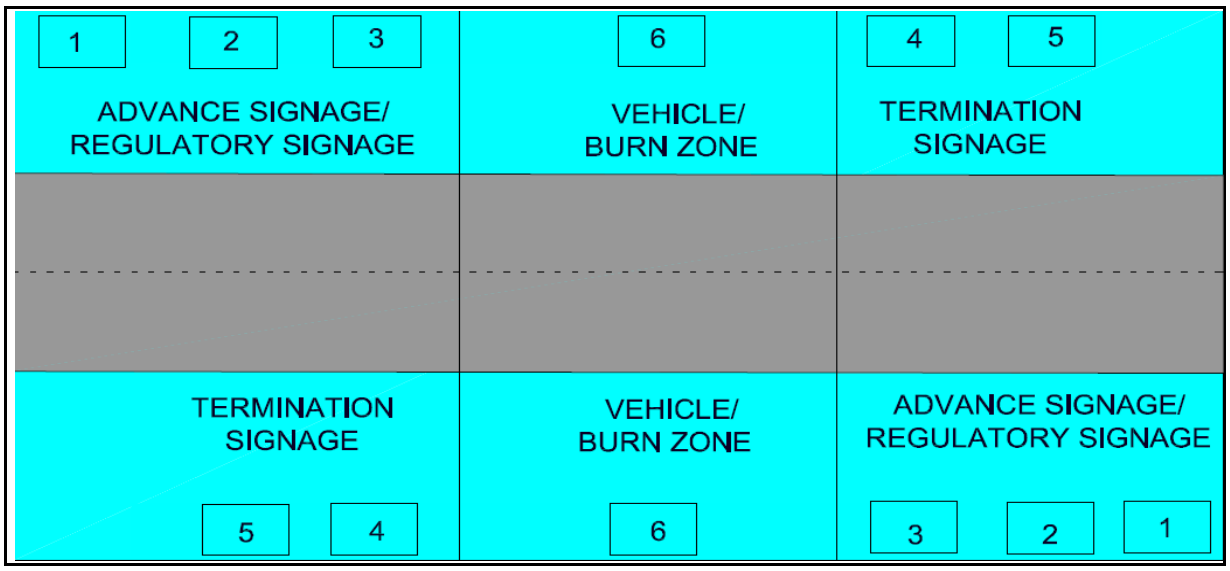
10 DETOUR ROUTES AND OVER DIMENSION / HEAVY HAULAGE VEHICLES

All detour routes are to have suitable road pavement and clear zone widths to cater for the anticipated traffic including large trucks. All detour routes are to be checked to ensure intersections are suitable for turning traffic, sight lines are not restricted, load limits do not apply to bridges, and directional signage is sufficient for travellers. Agreement should be reached with road authorities during the burn planning process detailed in FOG 64.

If the road is likely to be subject to heavy haulage or over dimension vehicles then the Main Roads Heavy Haulage section is to be contacted to ensure that permits have not been issued. Contact Main Roads Western Australia Heavy Haulage htv@mainroads.wa.gov.au.

11 INSTALLATION / REMOVAL OF TRAFFIC MANAGEMENT EQUIPMENT

Installation of traffic management equipment shall always begin with the advanced warning and regulatory signs followed by other warning signs and working in towards the work zone.



The removal of all signs, cones and bollards shall be in the reverse order to the sequence in which they were erected.

Note:
Signage to reset speed zones to the normal speed zone shall be installed as soon as possible after a temporary reduce speed zone has been installed.

12 OTHER RESTRICTIONS

Burn planning, following the processes detailed in FOG 64 and FOG 79, will take steps to minimise disruption to traffic flow.

12.1 Maximum Single Lane Length

On two-lane, two-way roads, DEC shall ensure the two-way flow is maintained where possible. Where this is not possible, traffic may be restricted to one lane over a short distance, for short periods of time.

Traffic Volume, Both Directions, Vehicles Per Hour	Length of Single Lane Section (m)
600	150
500	250
300	600

TABLE 1: Maximum Length Single Lane Operations

13 VARIATIONS

Significant variations to this Generic Traffic Management Plan cannot be carried out without prior consultation with the designer. However, minor adjustments to the Generic Traffic Control Diagrams to suit site and work requirements are recommended with the changes recorded in the appropriate documentation.

14 DIARY RECORDING

All activities onsite in relation to the implementation and maintenance of this Generic Traffic Management Plan shall be recorded in a Daily Diary attached at Appendix C. All documentation for the activity including the assessment, plans, Daily Diary and all other records are to be kept for a minimum of seven years after the completion of the works.

15 INSPECTION OF SIGNS AND DEVICES

Once initially installed, all signs and devices are to be inspected by a drive through to ensure that they are clearly visible to the driver. Signs and devices are to be inspected throughout the day typically if wind directions are variable. However, this should be done more often if shade from trees, parked vehicles, dust and other factors exist that could affect the visibility of the signs to traffic. Each inspection, with any defects or alterations to signs and devices, is to be recorded in the Daily Dairy.

At the close of the day, or when workers leave the worksite, the “Workers (symbolic)” and “Prepare to Stop” signs are to be removed from the driver’s sight, along with any other signs not required. If signs and devices are to be left up overnight, they are to be checked and adjusted as required, to ensure they can be clearly seen in headlights and that the reflectivity of the signs and devices is sufficient.

16 REFERENCES

- MRWA Specification 202
- MRWA Traffic Management Plan Audit Policy
- MRWA Traffic Management for Works on Roads Code of Practice
- AS/NZS 1742.3 Traffic Control for Works on Roads
- AS/NZS 31000 Risk Management
- DEC Policy Statement No. 19: Fire Management
- DEC Code of Practice for Fire Management
- DEC Master Burn Planning Manual
- DEC Prescribed Fire Manual
- DEC Fire Operations Guidelines

17 USE AND CURRENCY OF THIS PLAN

Based on the Australian Standard 1742.3, State legislation including the Occupational Health, Safety and Welfare Act and Regulations 1986, and the Road Traffic Act 2000 and Regulations, the Commissioner of Main Roads gives approval to use traffic control devices subject to persons/authorities meeting the conditions contained in this document.

This plan is suitable to use for the works detailed within the plan. As a minimum, this document should be reviewed in 2013. If changes are made to the relevant Australian Standards, Main Roads Traffic Management for Works on Roads Code of Practice, or relative industry standards, then a review should be made as soon as possible after the changes to ensure this document is compliant.

APPENDIX A: Risk Rating Calculator

Risk Rating Calculator

Using the Risk Rating Calculator:

Step 1 - Determine Likelihood

Almost Certain	Is expected to occur in most circumstances (many times a day)
Likely	Will probably occur in most circumstances (several times a week)
Possible	Might occur at some time (several times a month)
Unlikely	Could occur at some time (once a year)
Rare	May occur only in exceptional circumstances (once every ten years)

Step 2 Determine Consequences

Consequence	OSH	Environmental	Quality	Traffic Management
Insignificant	No injuries	No environmental impact	No loss	No impact to the performance of the network.
Minor	First aid treatment	Minor environmental impact rectified in house	Minor loss	Minor impact to the performance of the network.
Moderate	Medical treatment required	Significant environmental Impact	Moderate loss	Moderate impact to the performance of the network.
Major	Extensive injuries	Major environmental impact	Major loss	Major impact to the performance of the network.
Catastrophic	Death debilitating injuries	Major environmental impact with detrimental effect	Huge loss	Unacceptable impact to the performance of the network.

Step 3

Likelihood	Consequence				
	Insignificant (1)	**Minor (2)**	**Moderate (3)**	**Major (4)**	**Catastrophic (5)**
Almost Certain (5)	Mod 5	Mod 10	High 15	Extreme 20	Extreme 25
Likely (4)	Low 4	Mod 8	High 12	High 16	Extreme 20
Possible (3)	Low 3	Mod 6	Mod 9	High 12	High 15
Unlikely (2)	Low 2	Low 4	Mod 6	Mod 8	Mod 10
Rare (1)	Low 1	Low 2	Low 3	Low 4	Low 5

Generally, LOW = 1 - 4; MODERATE = 5 - 10; HIGH = 11 - 16; EXTREME = 17 - 25

Step 4

Risk Score	Priority
Low	Low Priority: Managed through routine procedure and strategies, reduction measures not normally undertaken
Moderate	Medium Priority: Risk reduction measures considered necessary.
High	Significant Priority: Risk reduction measures required. Specific planning required.
Extreme	High priority: Risk unacceptable. Action required to prior to works

APPENDIX B: Risk Analysis of Proposed Burn Form

Risk Analysis of Proposed Burn Form Note: Use Separate Form for Each Road					
Burn Name ID/Location					
Road Details					
Description of Burn Activity					
Timing	Start:	End:	Work days:	Work hours:	Tick if Req'd
Working Space	3.0m or greater from traffic lane		Standard Signage - Setup TCD DEC 001 or MMS 001		
	Between 1.2m – 3.0m of traffic lane		Reduce Speed – Setup TCD DEC 002 or MMS 002		
	Closer than 1.2m of traffic lane		Reduce Speed – Setup TCD DEC 003: or MMS 003		
	Working on the traffic lane		Close Road – Setup TCD DEC 004 or MMS 004 Where not practical to close the road, consider using traffic controllers and pilot vehicle to guide motorists, one lane at a time.		
Road Width	< 3.50 m		Close Road – Setup TCD DEC 004 or MMS 004 Where not practical to close the road, consider using traffic controllers and pilot vehicle to guide motorists, one lane at a time.		
	3.5 – 6.0m		Reduce Speed – Setup TCD DEC 005/6 or MMS 005/006		
	6.0 – 7.4m		Reduce Speed – Setup TCD DEC 005/6 or MMS 005/006		
	>7.4m		Standard Signage - Setup TCD DEC 005/6 or MMS 005/006		
Visibility	Visibility excellent – Wind away from traffic		Review signage and visibility every 4 hours.		
	Visibility good – No wind		Review signage and visibility every 2 hours.		
	Visibility fair - Wind variable		Review signage and visibility every 1 hour.		
	Visibility very poor - Wind towards traffic		Close Road – Setup TCD DEC 004 or MMS 004		
Traffic Volume	<100 vehicles per day		Place advance warning of project details on site two days prior to works.		
	100 – 500 vehicles per day		Place advance warning of project details on site one week prior to works.		
	500 – 1,000 vehicles per day		Place advance warning of project details on site two weeks prior to works.		
	1,000 – 1,500 vehicles per day		Place advance warning of project details on site four weeks prior to works.		

Risk Analysis of Proposed Burn Form Note: Use Separate Form for Each Road				
Traffic Speed Environment	<40 Km/hr – gravel track	Standard Signage - Setup TCD DEC 001 or MMS 001		
	40>60 Km/hr (gravel road)	Standard Signage - Setup TCD DEC 001 or MMS 001		
	60>80 Km/hr (very good gravel/bitumen road)	Repeater reduce speed signs at 500m intervals		
	>80Km/hr (very good bitumen road)	Repeater reduce speed signs at 500m intervals		:
Road Geometry	Overhanging vegetation	Reduce Speed – Setup TCD DEC 005/6 or MMS 005/006		
	Steep Vertical Curves	Reduce Speed – Setup TCD DEC 005/6 or MMS 005/006		
	Sharp Horizontal Curves	Reduce Speed – Setup TCD DEC 005/6 or MMS 005/006		
	Narrow points (Bridges/Culverts)	Reduce Speed – Setup TCD DEC 005/6 or MMS 005/006		:
	Steep Drop-offs from edge of road	Reduce Speed – Setup TCD DEC 005/6 or MMS 005/006		
	Lack of Delineation (guide posts, line marking)	Repeater Reduce Speed signs at 500m intervals		
Intersections	Low turning movements	Standard Signage - Setup TCD DEC 001 or MMS 001		
	High turning movements	Place personnel to assist traffic		:
Others	Walking Trails	Close Trail – Setup TCD DEC 007 or MMS 007		
Traffic Management Diagram/s to use				
TMP Implementation Personnel	Name / Position:		Cert. No.:	Cert. Title:
	Sign / Date::		Cert. No.:	Cert. Title:
After Hours Contact	Name / Position:		Mobile/ Phone	
Risk Assessment Completed By	Sign / Date:		Cert. No.:	Cert. Title:
Site Inspected By	Sign / Date:		Cert. No.:	Cert. Title:

APPENDIX C: Typical Daily Diary

TYPICAL DAILY DIARY				
Date:	**Time:**	**Location:**	**By:**	**Signed:**
Details/Comments:				

TRAFFIC MANAGEMENT – DAILY INSPECTION SHEET **TMP Doc No. TPC drawing No Rev No**			**Location**	**Date**	**Use reverse side of Checklist to record extra details**
	ITEM	**Tick Appropriate Box**	**ITEM**		**Tick Appropriate Box**
Before Works Starts		*Time of Inspection*	*During Works*		*Time of Inspection*
1	Signs and devices appropriate for the day's activities and conditions	☐ Satisfactory ☐ Modify/Repair Required	Signs & Devices operating satisfactorily and seen by motorists		☐ Satisfactory ☐ Modify/Repair Required
2	Signs and devices positioned and mounted correctly	☐ Satisfactory ☐ Modify/Repair Required	Signs and devices positioned and mounted correctly		☐ Satisfactory ☐ Modify/Repair Required
3	Signs and devices clean and clearly visible	☐ Satisfactory ☐ Modify/Repair Required	Signs and devices clean and clearly visible		☐ Satisfactory ☐ Modify/Repair Required
4	Modifications and/ or repairs completed	☐ Yes ☐ No Give details ☐ N/A	Traffic Controllers correctly attired and operating correctly		☐ Satisfactory ☐ Modify/Repair Required
Closing Down for Day		*Time of Inspection*	*Night Inspection*		*Time of Inspection*
1	Signage appropriate for night conditions	☐ Satisfactory ☐ Modify/Repair Required	Yellow Lamps operating		☐ Satisfactory ☐ Modify/Repair Required
2	Signs and devices positioned and mounted correctly	☐ Satisfactory ☐ Modify/Repair Required	Signs and devices positioned and mounted correctly		☐ Satisfactory ☐ Modify/Repair Required
3	Signs and devices clean and clearly visible	☐ Satisfactory ☐ Modify/Repair Required	Signs and devices clean and reflective		☐ Satisfactory ☐ Modify/Repair Required
4	Trenches correctly barricaded and signed	☐ Satisfactory ☐ Modify/Repair Required	Driving surfaces adequate		☐ Satisfactory ☐ Modify/Repair Required
5	Un-necessary signage removed (eg Prepare to Stop, Symbolic Worker)	☐ Satisfactory ☐ Modify/Repair Required	Modifications and/repair complete		☐ Satisfactory ☐ Modify/Repair Required
6	Yellow Lamps operating	☐ Satisfactory ☐ Modify/Repair Required	Notes 1 Items requiring modification and/repair are to be described on back of this form 2 For all modifications that are different to the approved TMP layout give details of who authorised changes Signed……Supervisor Signed……Super's Rep…….. Date…….Date……..		
7	Driving surfaces adequate	☐ Satisfactory ☐ Modify/Repair Required			
8	Modifications and/repair complete	☐ Satisfactory ☐ Modify/Repair Required			

APPENDIX D: Generic Traffic Management Plan Risk Assessment Matrix and Risk Register

Generic Traffic Management Plan Risk Assessment Matrix					
Risk Item	**Likely Outcome**	**Likelihood Rating**	**Consequence Rating**	**Risk Rating**	**Risk Priority**
Working Space – Working on road/verge					
Vehicles or workers greater than 3.0m from traffic lane	Injury to worker	Rare	Insignificant	Low 1	Low
Vehicles or workers between 1.2m and 3.0m from traffic lane	Injury to worker	Likely	Moderate	High 12	High
Vehicles or workers less than 1.2m from traffic lane	Injury to worker	Almost Certain	Catastrophic	Extreme 25	Extreme
Vehicles or workers are on traffic lane	Injury to worker	Almost Certain	Catastrophic	Extreme 25	Extreme
Road Width					
<3.5m	Manoeuvrability	Likely	Moderate	High 12	High
3.5>6.0	Manoeuvrability	Unlikely	Minor	Low 4	Low
6.0>7.4	Manoeuvrability	Rare	Insignificant	Low 1	Low
7.4+	Manoeuvrability	Rare	Insignificant	Low 1	Low
Visibility - Wind direction					
Visibility excellent – Wind consistently away from traffic	Visibility	Rare	Insignificant	Low 1	Low
Visibility good – No wind	Visibility	Unlikely	Minor	Low 4	Low
Visibility fair - Wind variable	Visibility	Likely	Moderate	High 12	High
Visibility very poor - Wind consistent towards traffic	Visibility	Almost Certain	Major	Extreme 20	Extreme
Traffic Volume (Estimated Average Annual Daily Traffic)					
1>100	Traffic congestion	Rare	Insignificant	Low 1	Low
100>500	Traffic congestion	Possible	Minor	Moderate 6	Moderate
500>1,500	Traffic congestion	Possible	Minor	Moderate 6	Moderate
+ 1,500	Traffic congestion	Almost Certain	Catastrophic	Extreme 25	Extreme
Traffic Speed Environment					
0>40 Km/hr (gravel track)	Stopping Distance	Rare	Insignificant	Low 1	Low
40>60 Km/hr (gravel road)	Stopping Distance	Rare	Insignificant	Low 1	Low
60>80 Km/hr (very good gravel/bitumen road)	Stopping Distance	Unlikely	Minor	Low 4	Low
80+ Km/hr (very good bitumen road)	Stopping Distance	Possible	Minor	Moderate 6	Moderate

Generic Traffic Management Plan Risk Assessment Matrix					
Risk Item	**Risk Item**	**Risk Item**	**Risk Item**	**Risk Item**	**Risk Item**
Road Geometry					
Overhanging vegetation	Sight restriction	Likely	Moderate	High 12	High
Steep Vertical Curves	Sight restriction	Likely	Moderate	High 12	High
Sharp Horizontal Curves	Sight restriction	Likely	Moderate	High 12	High
Narrow points (Bridges/Culverts)	Sight restriction	Likely	Moderate	High 12	High
Steep Drop-offs from edge of road	Sight restriction	Likely	Moderate	High 12	High
Lack of Delineation (guide posts, line marking)	Sight restriction	Likely	Moderate	High 12	High
Intersections					
Low turning movements	Congestion	Rare	Insignificant	Low 1	Low
High turning movements	Congestion	Likely	Moderate	High 12	High
Others					
Walking trails	Injury to pedestrians	Almost Certain	Major	Extreme 25	Extreme

Risk after treatment

Generic Traffic Management Plan Risk Register						
Risk Item	**Risk Treatment Options**	**Preferred Option**	**Risk Rating After Treatment**	**Responsible Person**	**Timetable for implementation**	**Monitoring of Risk and Treatment**
Working Space – Working on road/verge						
Vehicles or workers greater than 3.0m from traffic lane	*1. Repeat reduce speed signs at 500m intervals*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Vehicles or workers between 1.2m and 3.0m from traffic lane	*2. Reduce speed to 60 km/hr and place cones on edge of traffic lane*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Vehicles or workers less than 1.2m from traffic lane	*3. Reduce speed to 40 km/hr and place cones on edge of traffic lane* *4. Close road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Vehicles or workers are on traffic lane	*5. Close road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Road Width						
<3.5m	*6. Close Road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
3.5>6.0m	*7. Reduce speed environment by 20 km/hr*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
6.0>7.4m	*8. Reduce speed environment by 20 km/hr*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
7.4m +	*9. No additional signage required*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Visibility - Wind direction						
Visibility excellent – Wind consistently away from traffic	*10. Review signage and visibility every 4 hours*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Visibility good – No wind	*11. Review signage and visibility every 2 hours*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Visibility fair - Wind variable	*12. Review signage and visibility every hour* *13. Reduce Speed environment to 60 km/h or lower*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Visibility very poor - Wind consistent towards traffic	*14. Close road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*

Generic Traffic Management Plan Risk Register						
Risk Item	**Risk Item**	**Risk Item**	**Risk Item**	**Risk Item**	**Risk Item**	**Risk Item**
Traffic Volume (Estimated Average Annual Daily Traffic)						
1>100	*15. Place advance wanring of project details on site one week prior to works*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
100>500	*16. Place advance warning of project details on site two weeks prior to works*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
500>1,500	*17. Place advance warning of project details on site four weeks prior to works*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
+ 1,500	*18. Place advance warning of project details on site six weeks prior to works*	*Yes*	*To be determined*	*To be determined*	*To be determined*	*To be determined*
Traffic Speed Environment						
0>40 Km/hr (gravel track)	*19. Not required*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
40>60 Km/hr (gravel road)	*20. Not required*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
60>80 Km/hr (very good gravel/bitumen road)	*21. Repeat reduce speed signs at 500m intervals*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
80+ Km/hr (very good bitumen road)	*22. Repeat reduce speed signs at 500m intervals*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Road Geometry						
Overhanging vegetation	*23. Reduce Speed to suit conditions or 24. Close Road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Steep Vertical Curves	*25. Reduce Speed to suit conditions or 26. Close Road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Sharp Horizontal Curves	*27. Reduce Speed to suit conditions or 28. Close Road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Narrow points (Bridges/Culverts)	*29. Reduce Speed to suit conditions or 30. Close Road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Steep Drop-offs from edge of road	*31. Reduce Speed to suit conditions 32. Close Road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Lack of Delineation (guide posts, line marking)	*33. Reduce Speed to suit conditions 34. Close Road*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*

Generic Traffic Management Plan Risk Register						
Risk Item	**Risk Item**	**Risk Item**	**Risk Item**	**Risk Item**	**Risk Item**	**Risk Item**
Intersections						
Low turning movements	*35. Not required*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
High turning movements (50 movements per hour)	*36. Review intersection movements very 2 hours* *37. Place personnel to assist traffic*	*Yes*	*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Others						
Walking trails	*38. Close trails prior to works*		*Low*	*Supervisor*	*During Works*	*Monitor during Works*
Other Risks Identified Onsite						

APPENDIX E: Generic Traffic Control Diagrams

Multi-Message Signs

DEC/MMS 001	**Clearance from traffic lane to workers and vehicles is between 0m - 1.2m. 70, 80 & 90km/hr**
DEC/MMS 002	**Clearance from traffic lane to workers and vehicles is between 0m - 1.2m. 100, 110km/hr & Unzoned**
DEC/MMS 003	**Clearance from traffic lane to workers and vehicles is between 1.2m – 3.0m. 70, 80 or 90km/hr**
DEC/MMS 004	**Clearance from traffic lane to workers and vehicles is between 1.2m – 3.0m. 100, 110km/hr & Unzoned**
DEC/MMS 005	**Clearance from traffic lane to workers and vehicles is 3.0m or more. All speed zones**
DEC/MMS 006	**Standard signage for walking trails.**
DEC/MMS 007	**Standard signage for road closure with detour.**
DEC/MMS 008	**Side road entering work site - with speed restrictions.**
DEC/MMS 009	**Side road entering work site - without speed restrictions.**
DEC/MMS 010	**Dual carriageway 100 &110 km/hr speed zone reduced to one lane - side road scenario.**
DEC/MMS 011	**Dual carriageway 100 &110 km/hr speed zone reduced to one lane.**
DEC/MMS 012	**Dual carriageway 70, 80 & 90km/hr speed zone reduced to one lane - side road scenario.**
DEC/MMS 013	**Dual carriageway 70, 80 & 90km/hr speed zone reduced to one lane - side road scenario.**

CAUTION

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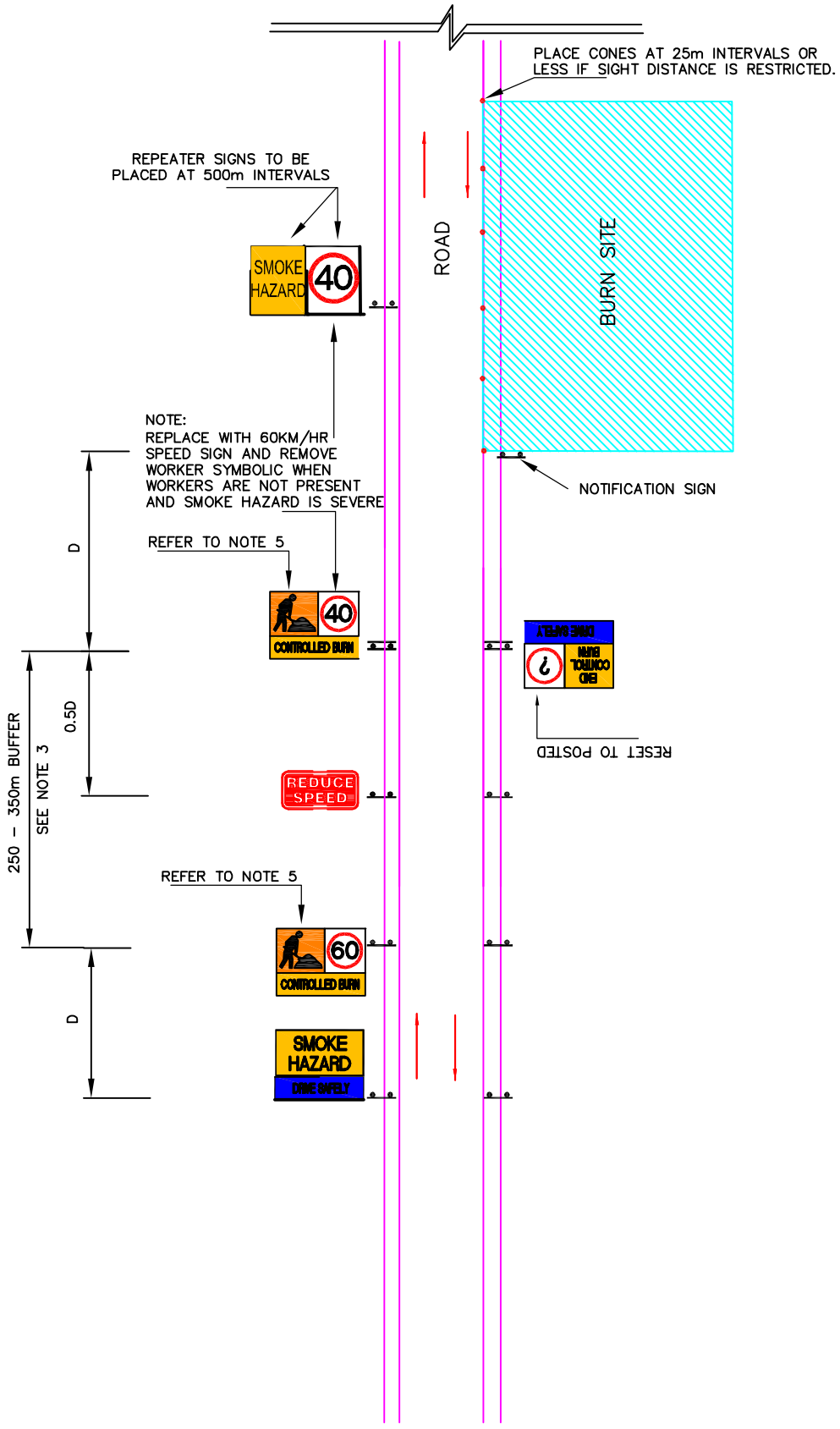
ALL SIGNAGE BELOW TO BE INSTALLED ON BOTH APPROACHES TO THE WORK ZONE



TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS BETWEEN 0 - 1.2m
- 70, 80 & 90KM/HR -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
3. Place 60km/hr speed buffers where existing zone is 90km/hr. For speed zones of 70 or 80km/hr, distance between signs = D
4. A distance of 500m between signs is required when repeater signage is used.
5. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity
Smoke Hazard/Drive Carefully	4
Symbolic Worker/Speed Restriction	8
End Road Work/Speed Reinstatement	4
Reduce Speed	4
Legs	46
Repeater Signs - Dependent on length of worksite. (Increase number of legs by 2 for each repeater sign)	
Notification Sign - (In accordance with DEC Policies and Standards)	1

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WEBSITE: www.opus.com.au

DRAWING No: DEC/MMS 001

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 00	*DATE:* 13/7/2010

CAUTION

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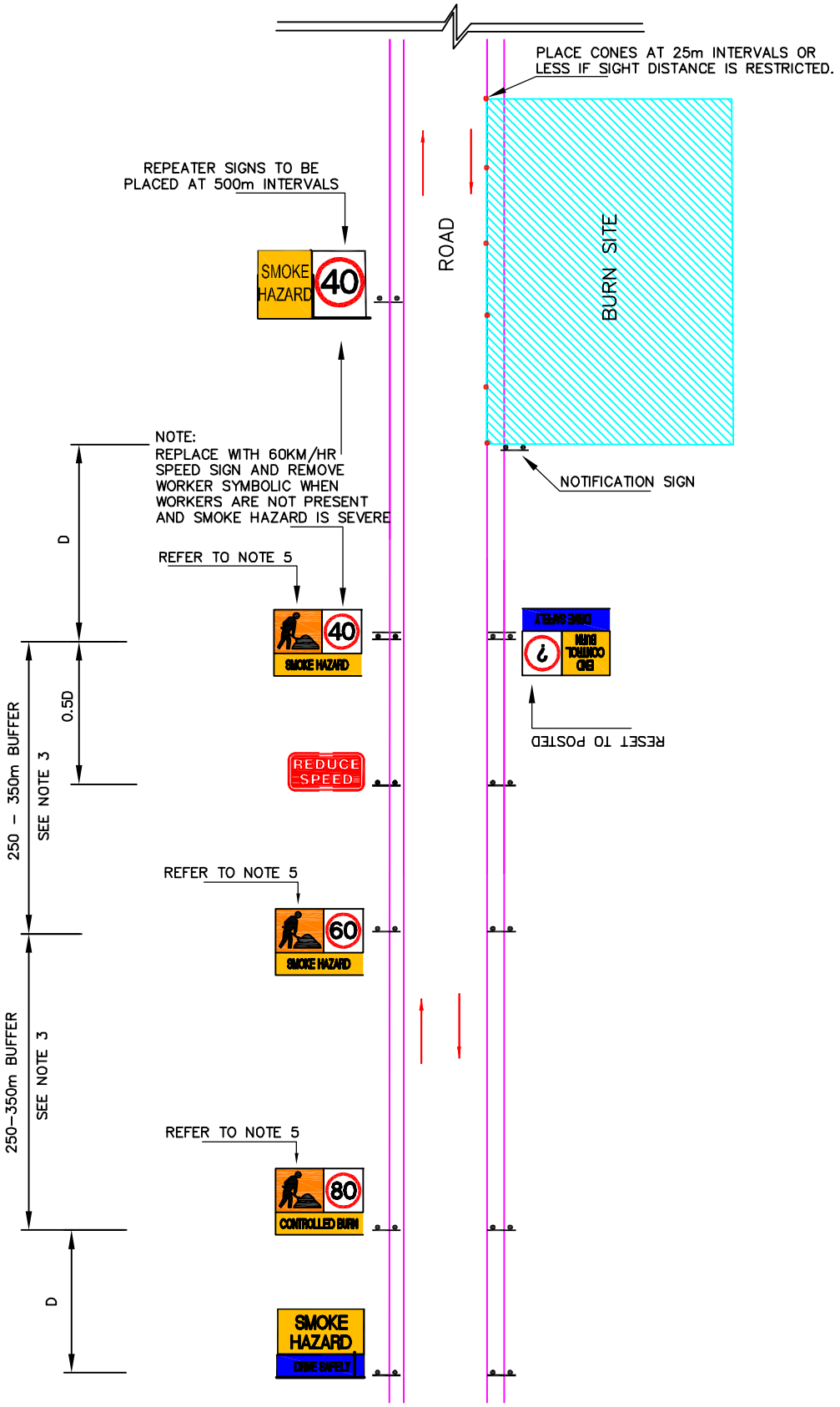

EXISTING SPEED ZONE 100kmh OR GREATER

TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS BETWEEN 0 - 1.2m
- 100, 110km/hr & UNZONED -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
3. Place 80km/hr and 60km/hr speed buffers where existing zone is 100km/hr or greater.
4. A distance of 500m between signs is required when repeater signage is used.
5. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or not on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity
Smoke Hazard/Drive Carefully	4
Symbolic Worker/Speed Restriction	8
End Road Work/Speed Reinstatement	4
Reduce Speed	4
Legs	46
Repeater Signs - Dependent on length of worksite. (Increase number of legs by 2 for each repeater sign)	
Notification Sign - (In accordance with DEC Policies and Standards)	1

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DRAWING No: DEC/MMS 002

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 05	*DATE:* 13/7/2010

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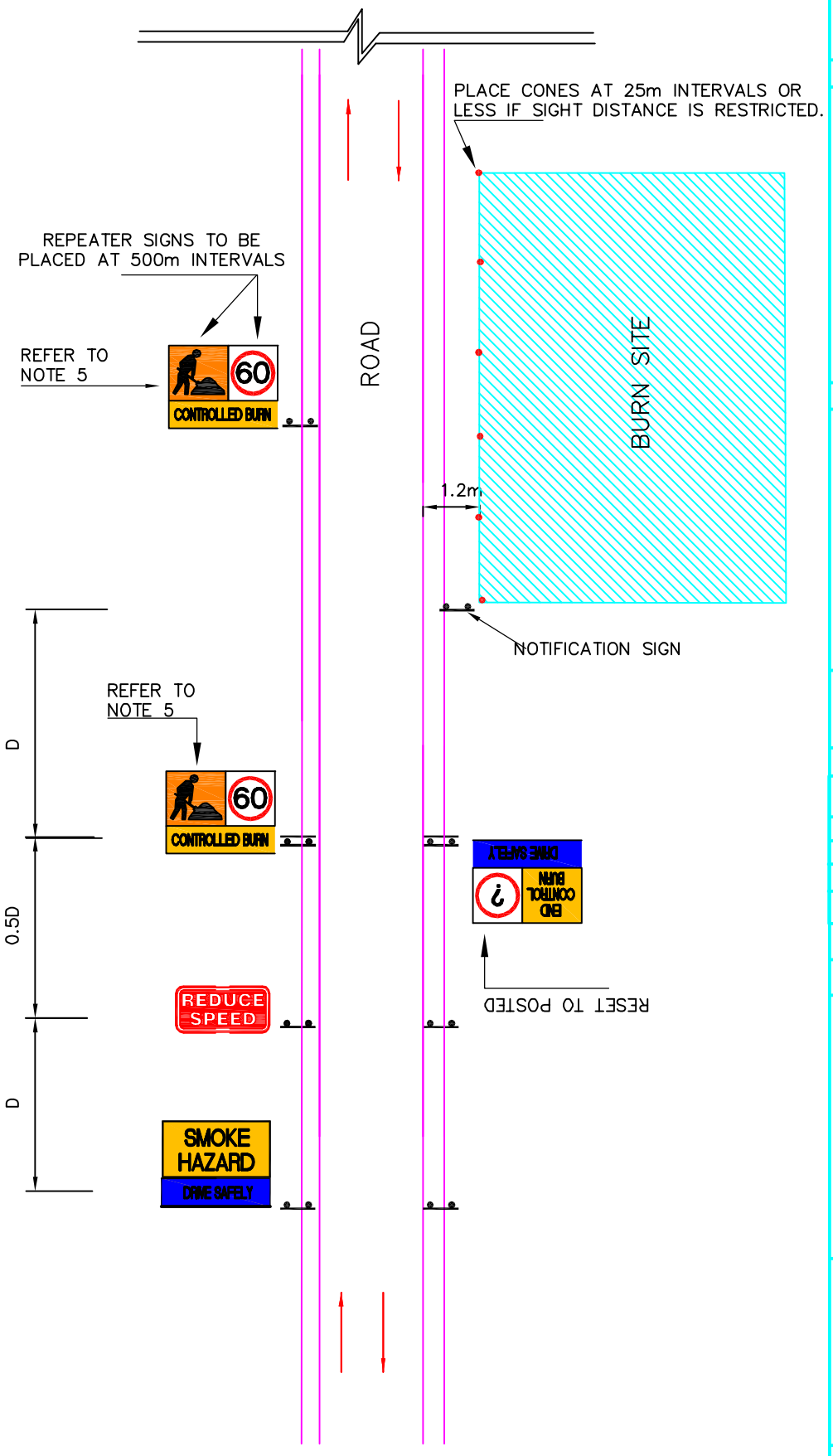
ALL SIGNAGE BELOW TO BE INSTALLED ON BOTH APPROACHES TO THE WORK ZONE



TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS BETWEEN 1.2m AND 3.0m - 70, 80 OR 90KM/HR -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
3. A distance of 500m between signs is required when repeater signage is used.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity
Smoke Hazard/Drive Carefully	4
Symbolic Worker/Speed Restriction	8
End Road Work/Speed Reinstatement	4
Reduce Speed	4
Legs	46

Repeater Signs - Dependent on length of worksite. (Increase number of legs by 2 for each repeater sign)

Notification Sign - (In accordance with DEC Policies and Standards) 1

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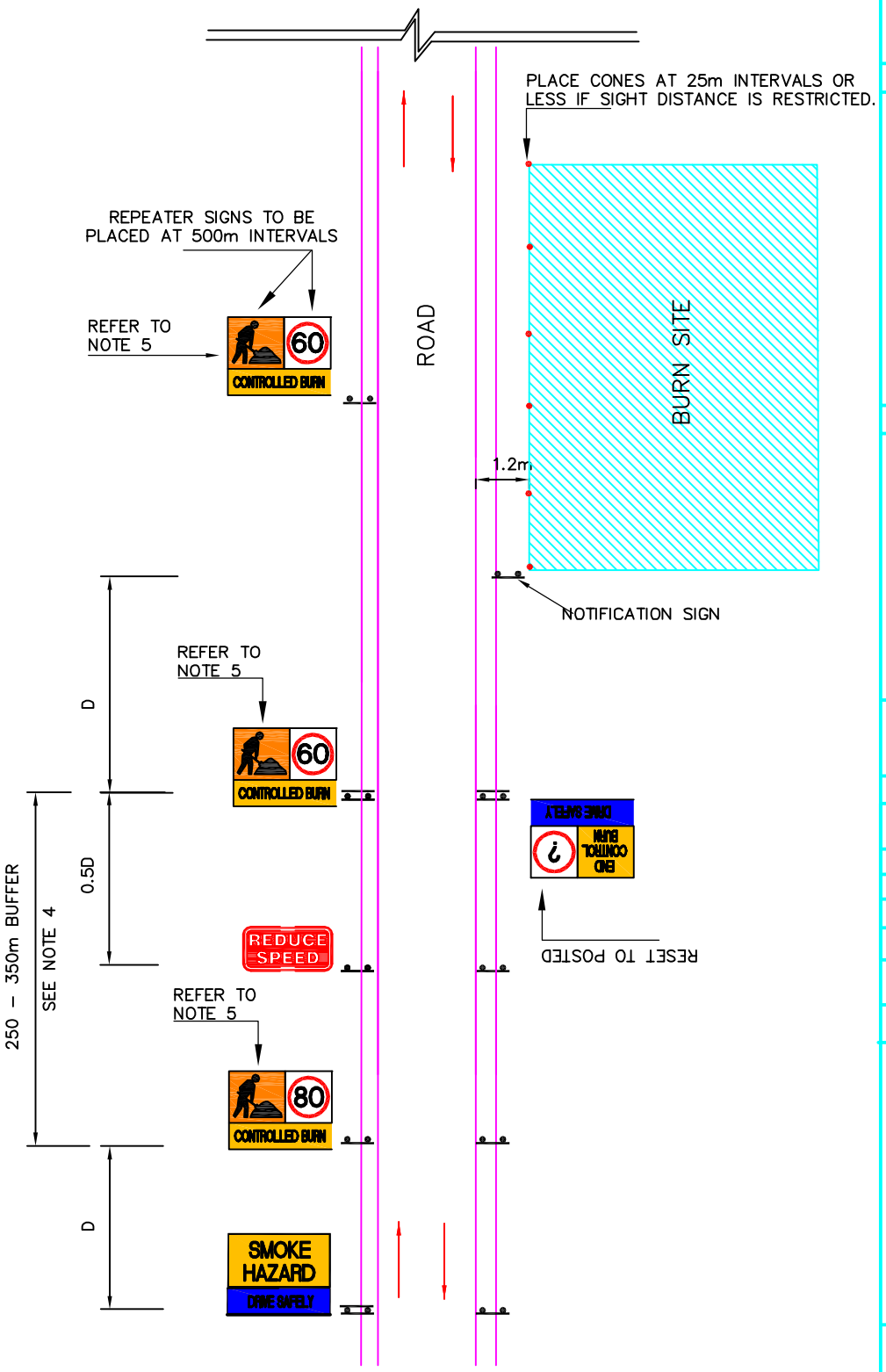
ALL SIGNAGE BELOW TO BE INSTALLED ON BOTH APPROACHES TO THE WORK ZONE



TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS BETWEEN 1.2m AND 3.0m
-100, 110 KM/HR & UNZONED -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
3. Place 80km/hr speed buffers where existing zone is 100kmh or greater.
4. A distance of 500m is required between signs when repeater signage is used.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* m
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity
Smoke Hazard/Drive Carefully	4
Symbolic Worker/Speed Restriction	8
End Road Work/Speed Reinstatement	4
Reduce Speed	4
Repeater Signs - Dependent on length of worksite. (Increase number of legs by 2 for each repeater sign)	16
Notification Sign - (In accordance with DEC Policies and Standards)	1

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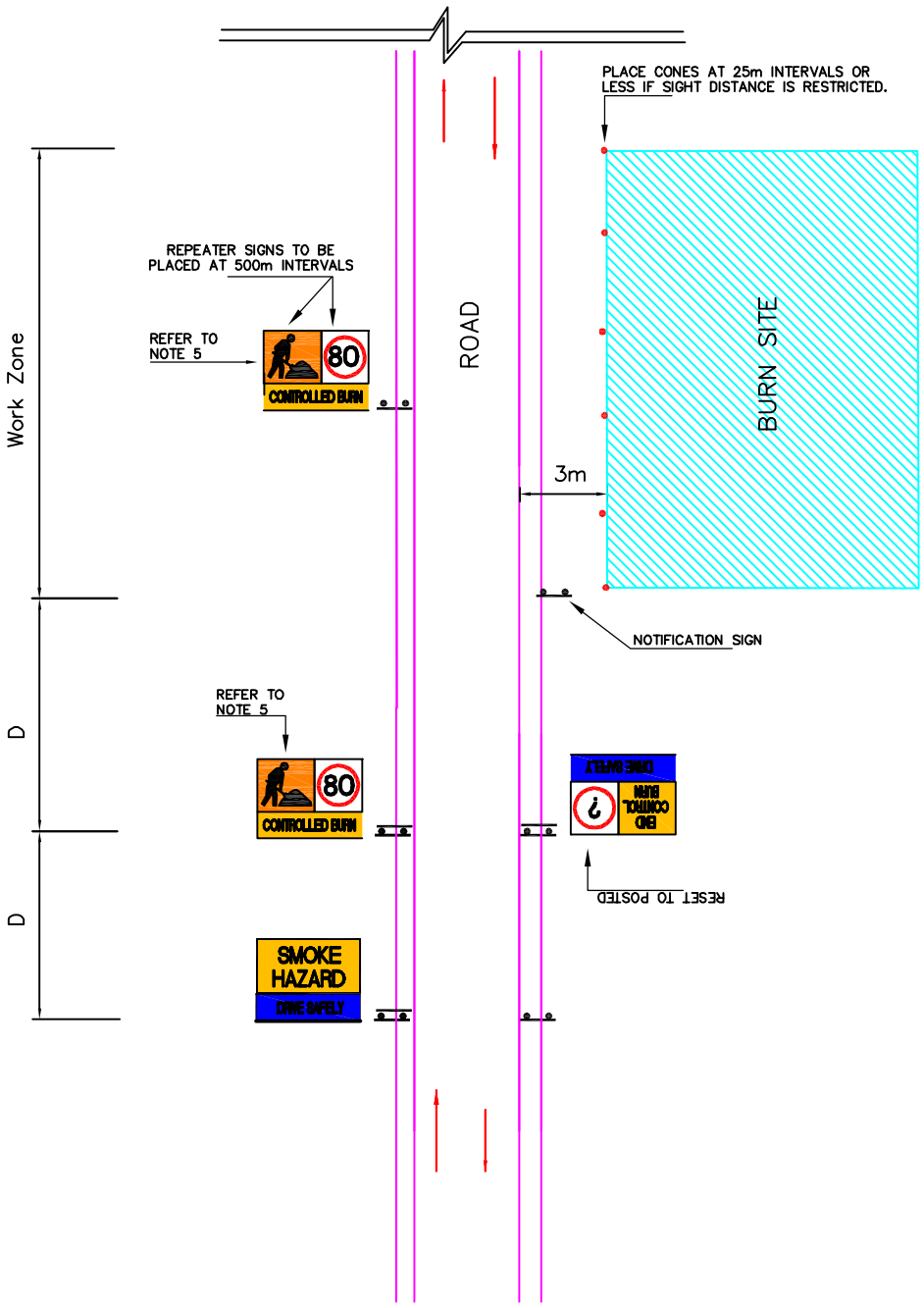
ALL SIGNAGE BELOW TO BE INSTALLED ON BOTH APPROACHES TO THE WORK ZONE



TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS 3.0m OR MORE
- ALL SPEED ZONES -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Existing Speed zones:

Notes:

1. Leave a 3.0 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
3. A distance of 500m is required for repeater signage when used.

SIGNAGE SPACING:

"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity
Smoke Hazard/Drive Carefully	4
Symbolic Worker/Speed Restriction	8
End Road Work/Speed Reinstatement	4
Reduce Speed	4
legs Repeater Signs - Dependent on length of worksite. (Increase number of legs by 2 for each repeater sign)	12
Notification Sign - (In accordance with DEC Policies and Standards)	1

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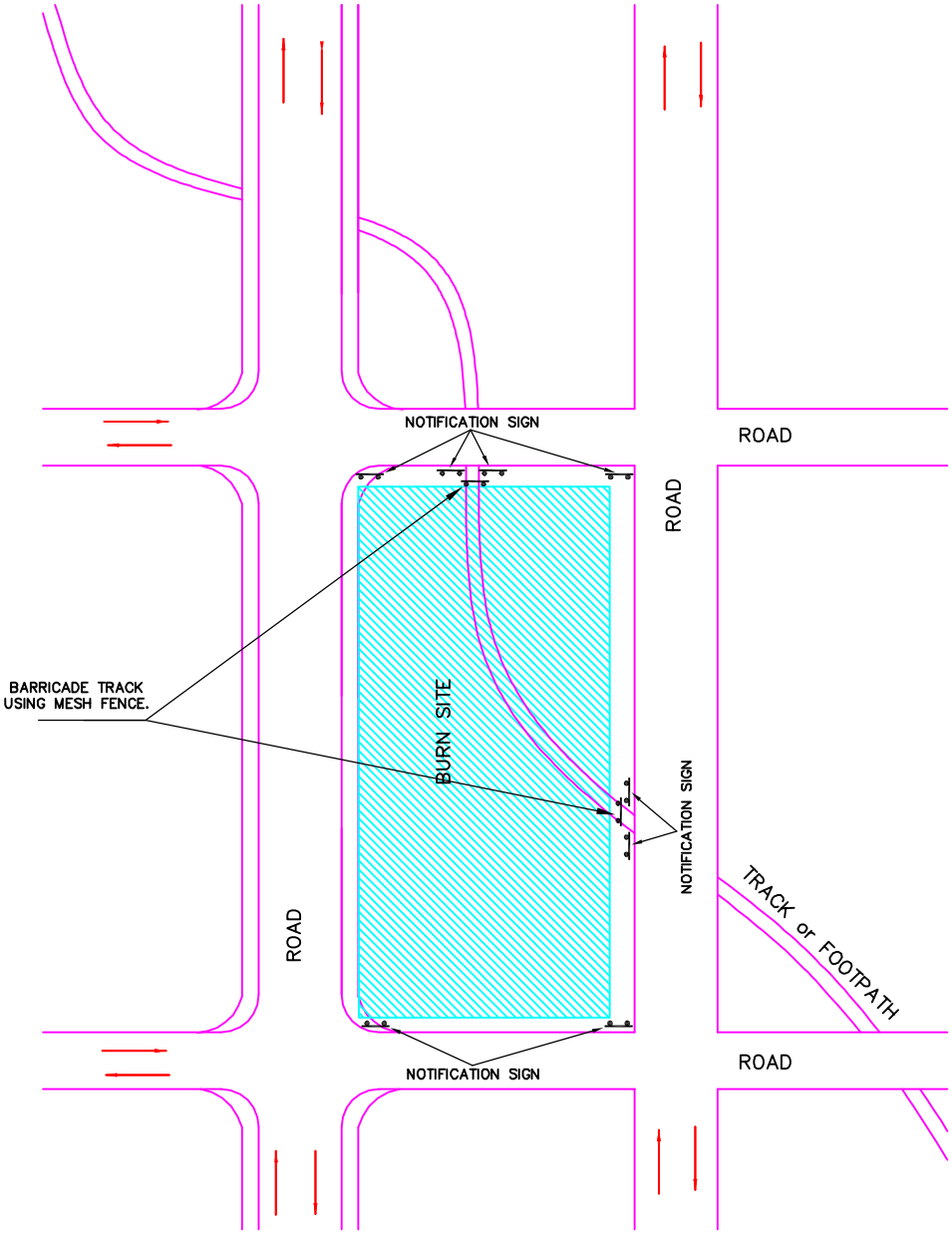
TRAFFIC CONTROL DIAGRAM

STANDARD SIGNAGE FOR WALKING TRAILS



PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

SIGNAGE SPACING:
"D" (metres) is equal to the speed in kilometers per hour of the approach speed of traffic.

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity
Notification Signs - (In accordance with DEC Policies and Standards)	8

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DRAWING No: DEC/MMS 006

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*		*REV. No:* 05	*DATE:* 13/7/2010

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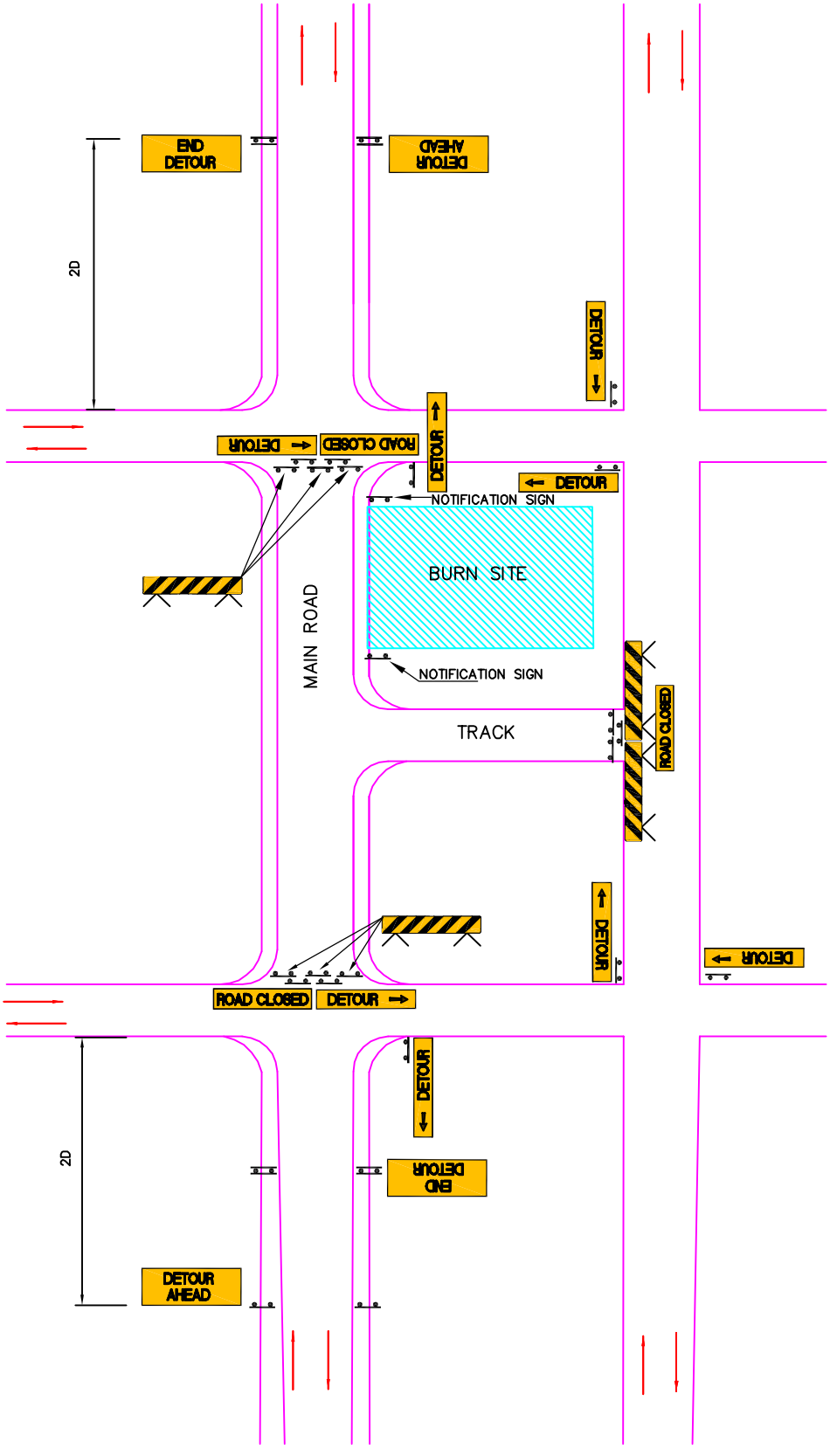

TRAFFIC CONTROL DIAGRAM

STANDARD SIGNAGE
FOR ROAD CLOSURE
WITH DETOUR

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Existing Speed zones:

Notes:

1. Drawing to be used for daytime works only.
2. All detour routes to have similar road widths and clear zones.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity	Sign No.
Detour L	7	T5-1A
Detour R	7	T5-1A
Detour Ahead	4	T1-6A
Detour End	4	T2-23
Road Closed	3	T2-4
Barrier Boards	8	
Legs	74	
Notification Signs - (In accordance with DEC Policies and Standards)	4	

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DRAWING No: DEC/MMS 007

DESIGNER: Brad Brooksby | *CERT No:* K33946 | *SIGNED:* | *REV. No:* 05 | *DATE:* 13/7/2010

CAUTION

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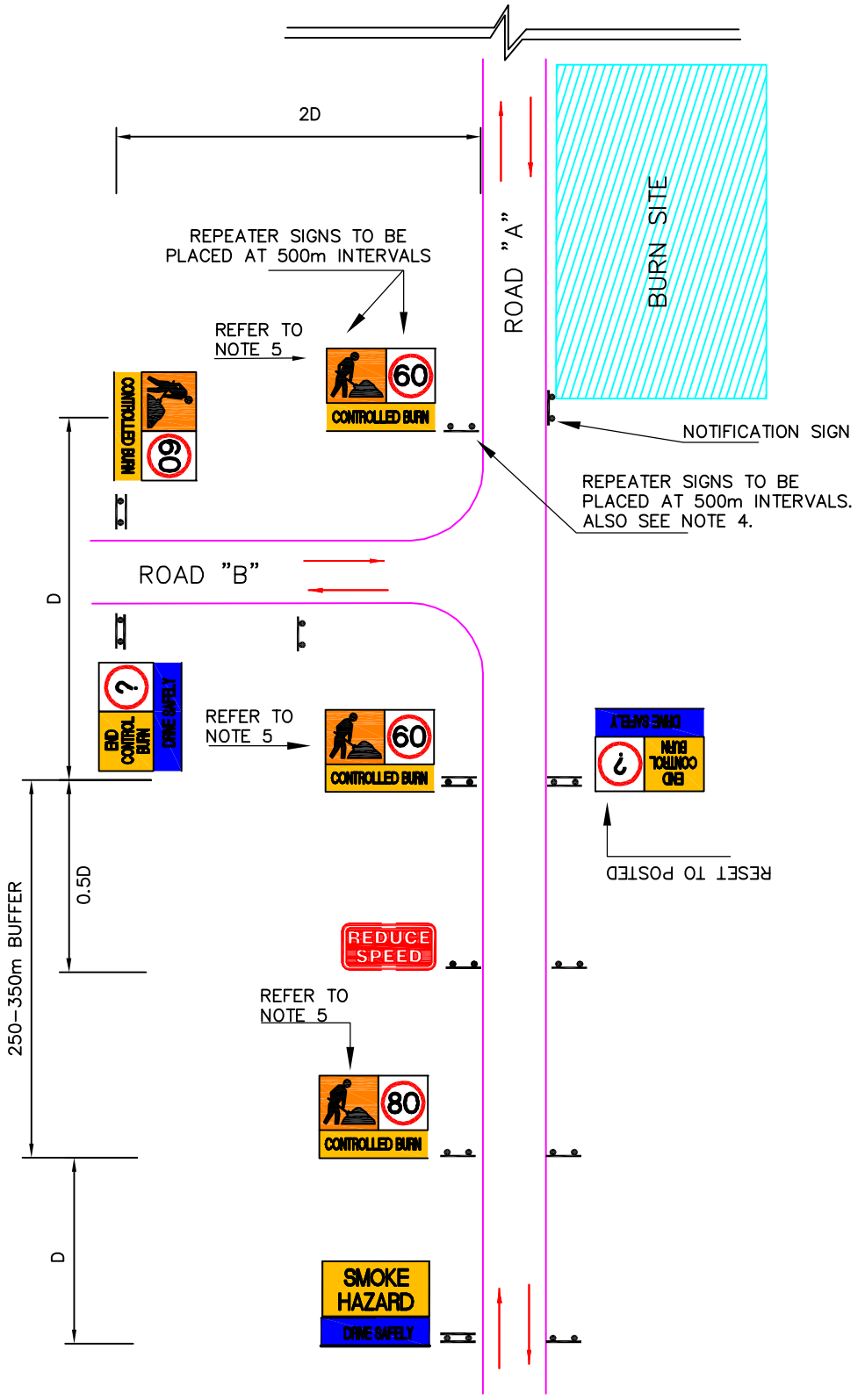
ALL SIGNAGE ON ROAD "A" BELOW TO BE INSTALLED ON BOTH APPROACHES TO THE WORK ZONE



TRAFFIC CONTROL DIAGRAM

SIDE ROADS ENTERING WORKSITE WITH TEMPORARY SPEED RESTRICTIONS

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Drawing to be used for daytime works only.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
3. Place 80km speed buffers where existing zone is 100km/hr or greater.
4. Repeater speed zone signage as per the worksite speed restriction must be placed 30.0m within a side road intersection

SIGNAGE SPACING:

"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity
Smoke Hazard/Drive Carefully	4
Symbolic Worker/Speed Restriction	8
End Road Work/Speed Reinstatement	4
Reduce Speed	4
Legs	46

Repeater Signs - Dependent on length of worksite. (Increase number of legs by 2 for each repeater sign)

Notification Signs - (In accordance with DEC Policies and Standards) 1

For full supporting details refer to Traffic Management Plan Document. This plan is suitable to use for this work site and date only. Any unauthorised use or reproduction in full or part is forbidden.

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DRAWING No: DEC/MMS 008

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*		*REV. No:* 05	*DATE:* 13/7/2010

CAUTION

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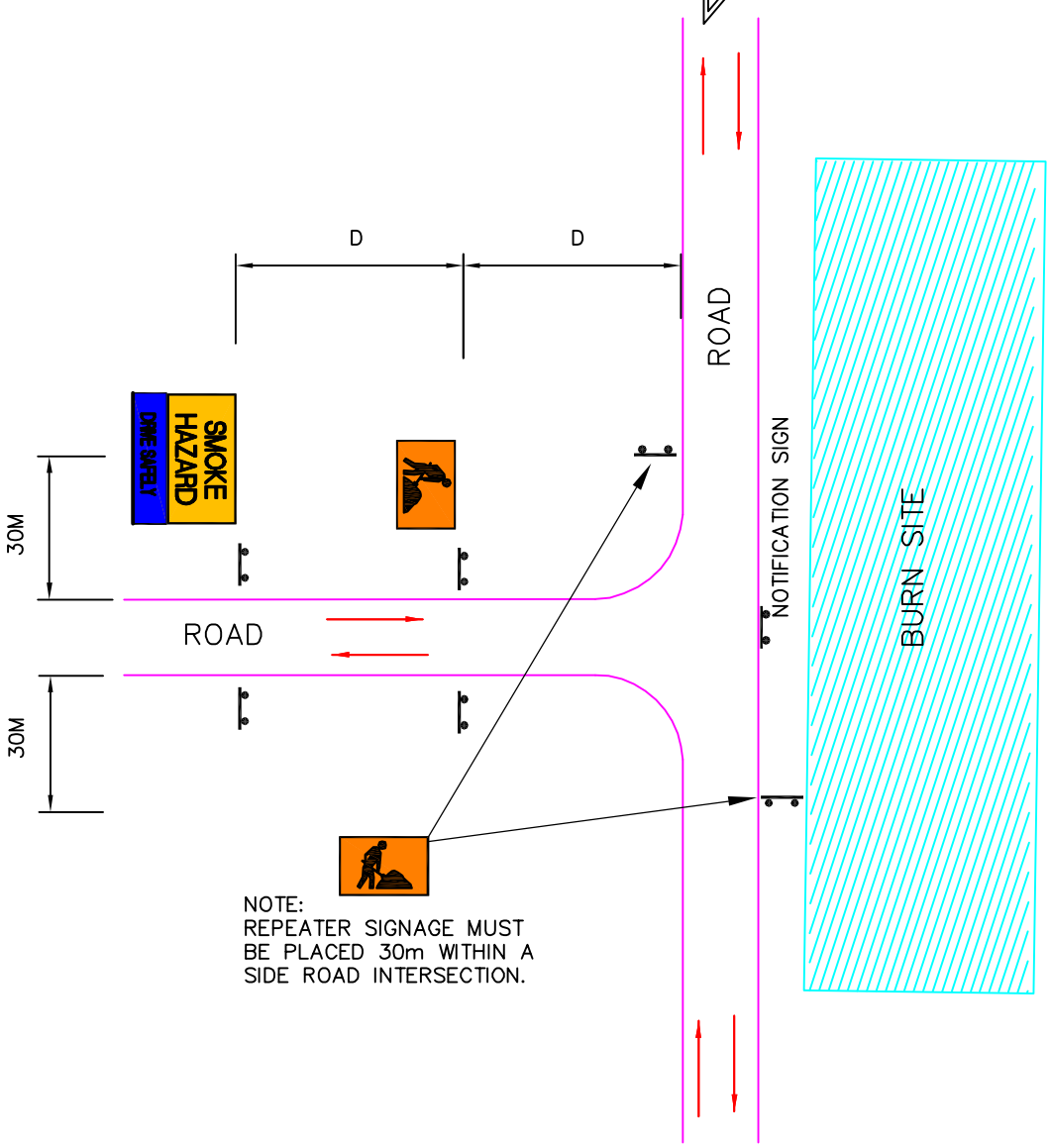
TRAFFIC CONTROL DIAGRAM

SIDE ROADS ENTERING WORKSITES WITHOUT SPEED RESTRICTIONS

ALL SIGNAGE BELOW TO BE INSTALLED ON ALL APPROACHES TO THE WORK ZONE



PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Note:
1. Repeater speed zone signage as per the worksite speed restriction must be placed 30.0m within a side road intersection.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign	Quantity
Smoke Hazard/Drive Carefully	4
Symbolic Worker	4
Notification Sign - (In accordance with DEC Policies and Standards)	1

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DRAWING No: DEC/MMS 009

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 05	*DATE:* 13/7/2010

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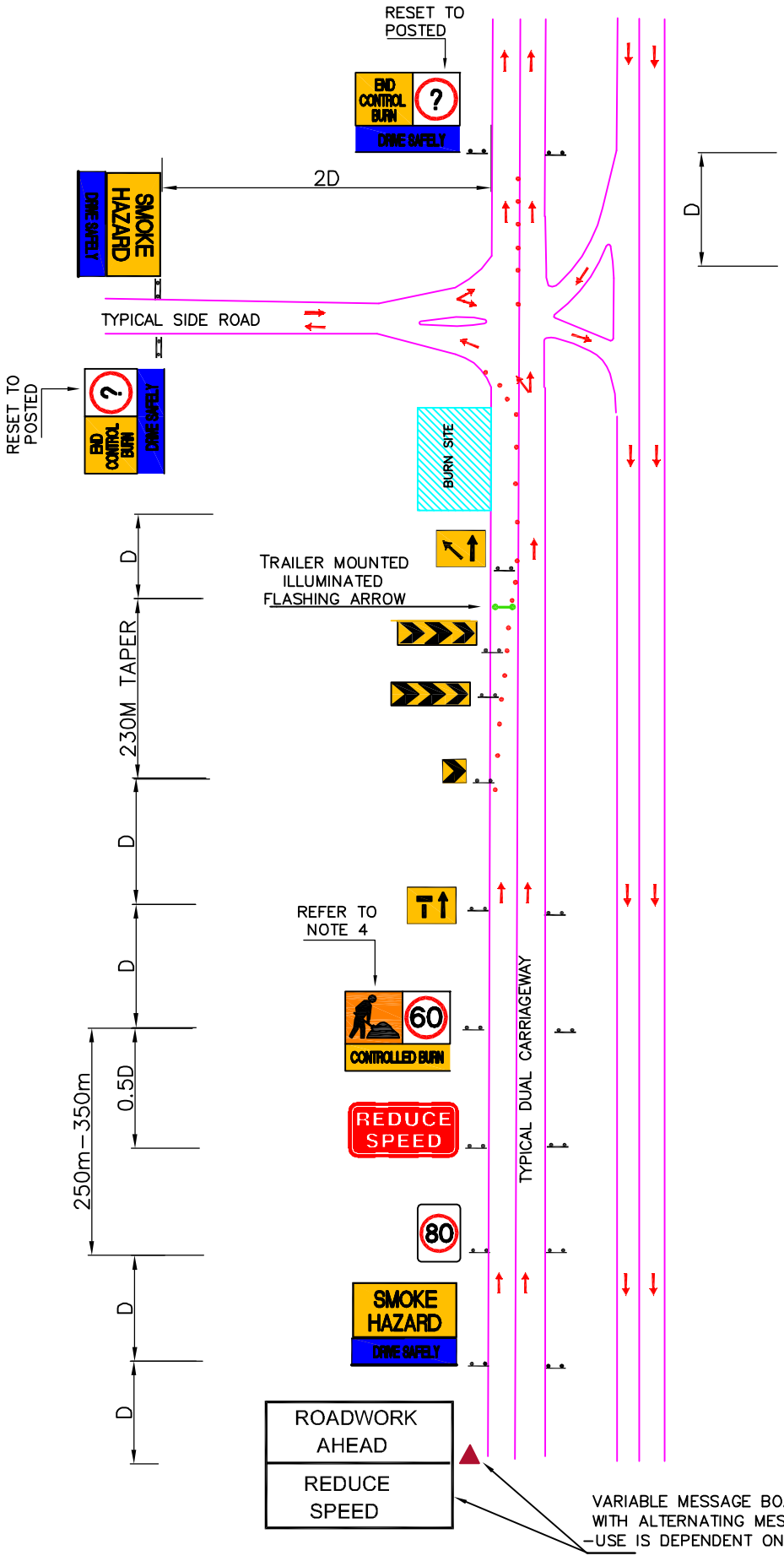

TRAFFIC CONTROL DIAGRAM

DUAL CARRIAGEWAY
100 &110km/hr SPEED ZONE
REDUCED TO ONE LANE
WITH SIDE ROAD SCENARIO

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works
3. A distance of 500m between signs is required when repeater signage is used.
4. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign		Quantity
Smoke Hazard/Drive Carefully		4
Symbolic Worker/Speed Restriction		4
End Road Work/Speed Reinstatement		2
Reduce Speed	G9–9A	2
80km/hr Speed Sign	R4–1	2
Lane Status Sign	T2–6–1	2
Lane Status Sign	T2–6–1	2
Temporary Hazard Marker	T5–5	2
Temporary Hazard Marker	T5–4	2
Variable Message Board	▲	1
Legs		44

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DRAWING No: DEC/MMS 010

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 05	*DATE:* 13/7/2010

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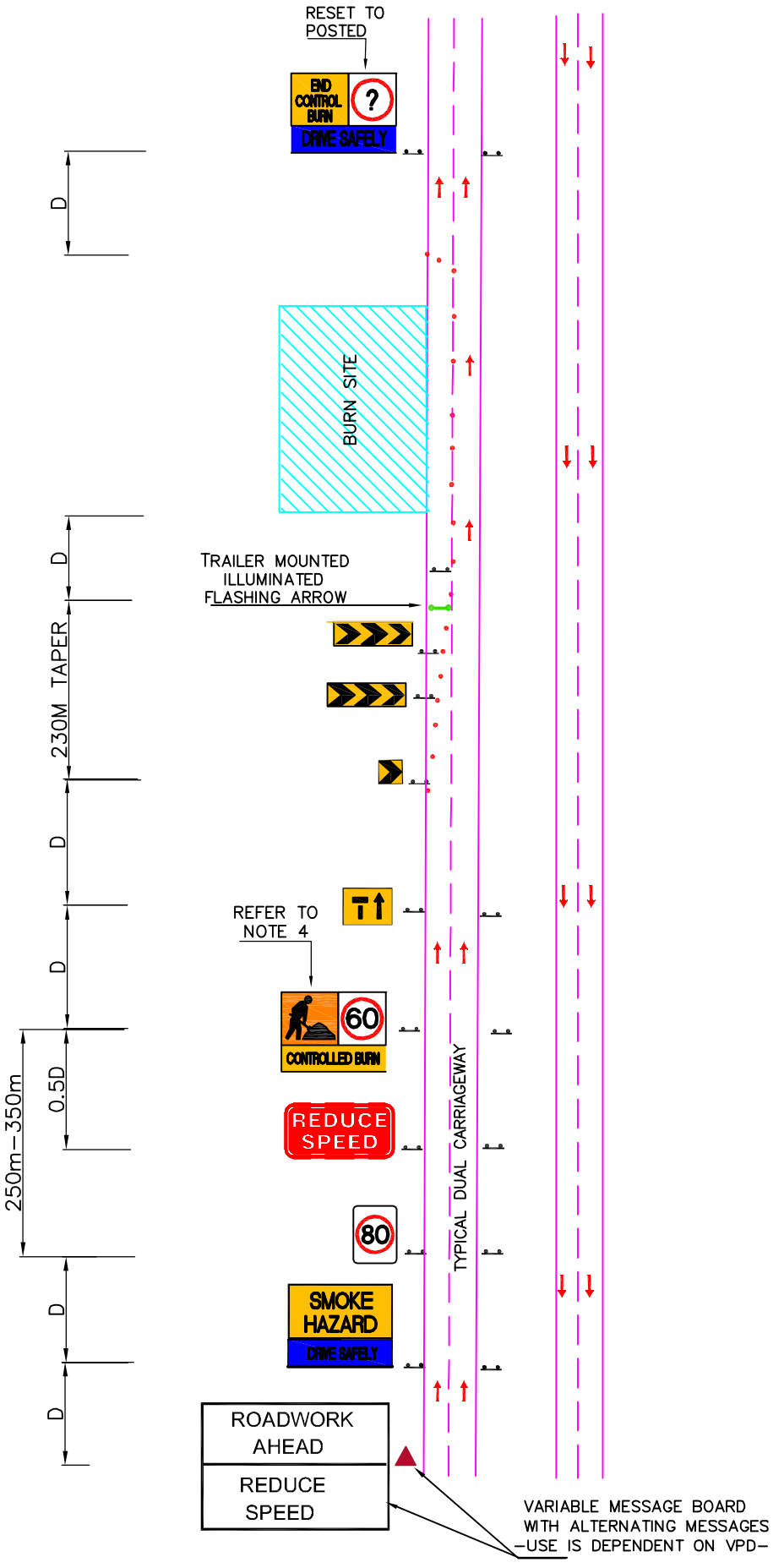

TRAFFIC CONTROL DIAGRAM

DUAL CARRIAGEWAY
100 & 110km/hr SPEED ZONE
REDUCED TO ONE LANE

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works
3. A distance of 500m between signs is required when repeater signage is used.
4. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign		Quantity
Smoke Hazard/Drive Carefully		4
Symbolic Worker/Speed Restriction		4
End Road Work/Speed Reinstatement		2
Reduce Speed	G9–9A	2
80KM/HR Speed Sign	R4–1	2
Lane Status Sign	T2–6–1	2
Temporary Hazard Marker	T5–5	2
Temporary Hazard Marker	T5–4	2
Variable Message Board	▲	1
Legs		30

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DRAWING No: DEC/MMS 011

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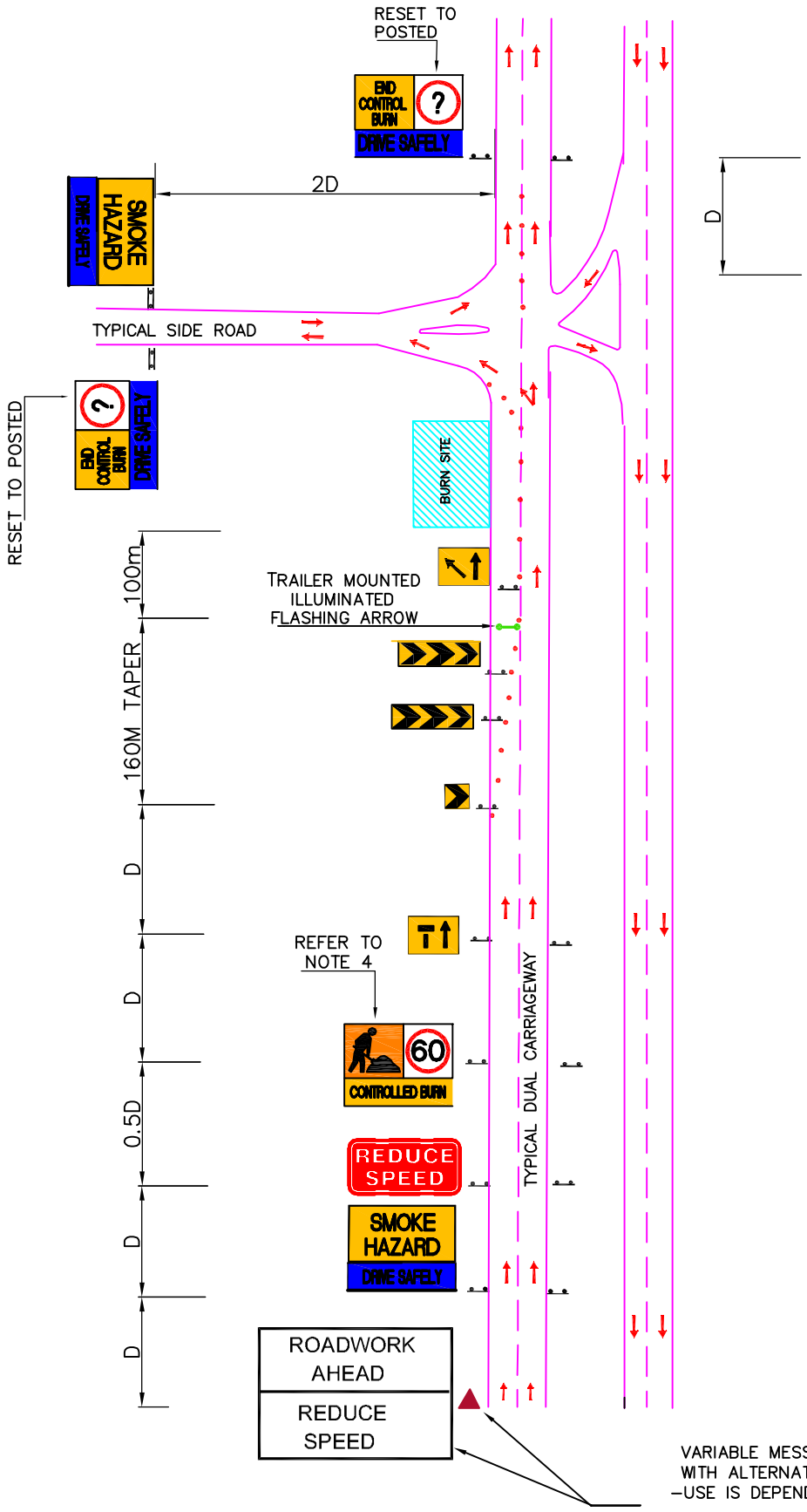

TRAFFIC CONTROL DIAGRAM

DUAL CARRIAGEWAY
70; 80 & 90km/hr SPEED ZONES
REDUCED TO ONE LANE
WITH SIDE ROAD SCENARIO

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works
3. A distance of 500m between signs is required when repeater signage is used.
4. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign		Quantity
Smoke Hazard/Drive Carefully		4
Symbolic Worker/Speed Restriction		2
End Road Work/Speed Reinstatement		4
Reduce Speed	G9-9A	2
Lane Status Sign	T2-6-1	2
Lane Status Sign	T2-6-1	2
Temporary Hazard Marker	T5-5	2
Temporary Hazard Marker	T5-4	2
Variable Message Board	▲	1
Legs		40

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DRAWING No: DEC/MMS 012

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 05	*DATE:* 13/7/2010

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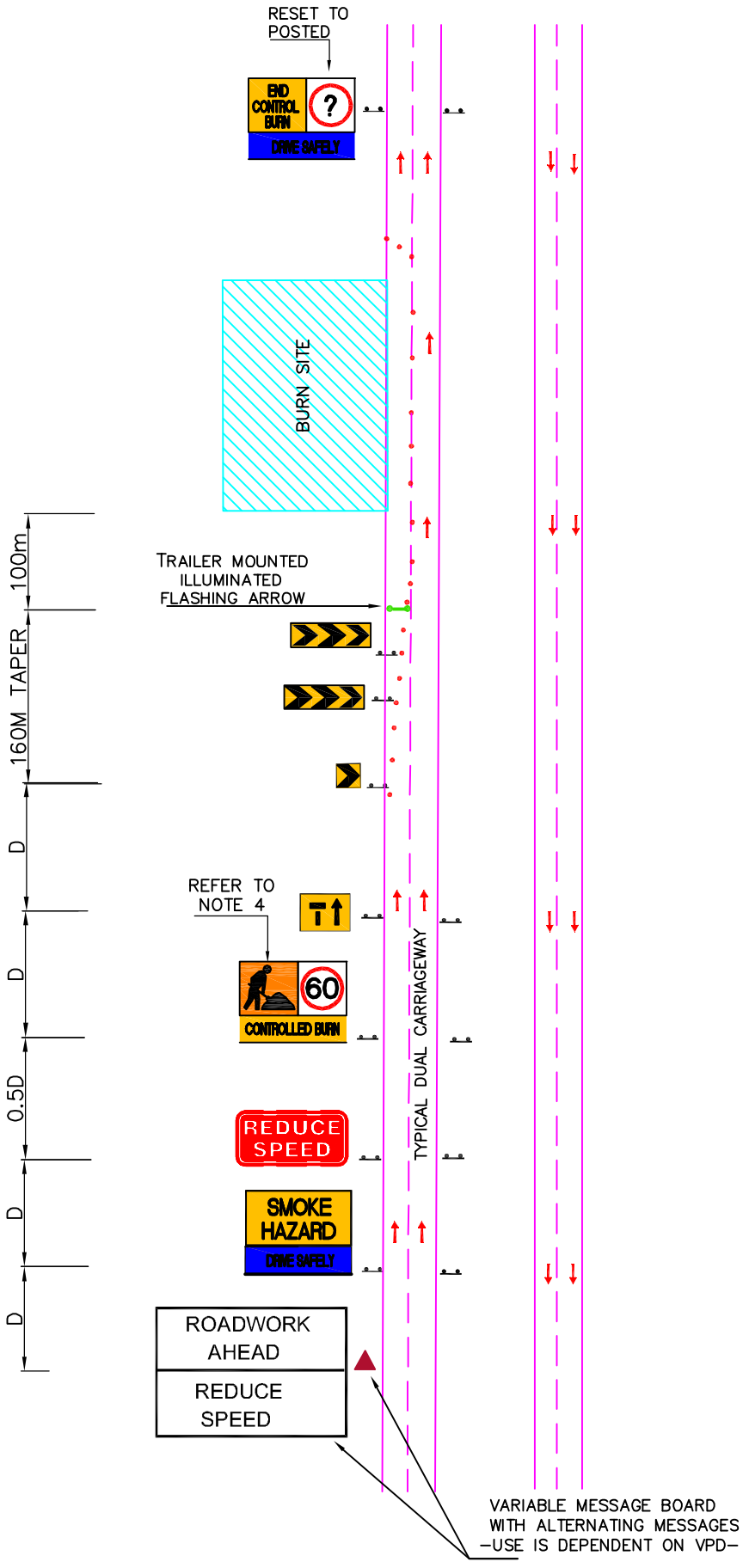

TRAFFIC CONTROL DIAGRAM

DUAL CARRIAGEWAY
70; 80 & 90km/hr SPEED ZONES
REDUCED TO ONE LANE

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works
3. A distance of 500m between signs is required when repeater signage is used.
4. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign		Quantity
Smoke Hazard/Drive Carefully		2
Symbolic Worker/Speed Restriction		2
End Road Work/Speed Reinstatement		2
Reduce Speed	G9–9A	2
Lane Status Sign	T2–6–1	2
Temporary Hazard Marker	T5–5	1
Temporary Hazard Marker	T5–4	2
Variable Message Board	▲	1
Legs		26

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DRAWING No: DEC/MMS 013

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 05	*DATE:* 13/7/2010

Single Message Signs

DEC/001	**Clearance from traffic lane to workers and vehicles is between 0m - 1.2m. 70, 80 & 90km/hr**
DEC/002	**Clearance from traffic lane to workers and vehicles is between 0m - 1.2m. 100, 110km/hr & Unzoned**
DEC/003	**Clearance from traffic lane to workers and vehicles is between 1.2m – 3.0m. 70, 80 or 90km/hr**
DEC/004	**Clearance from traffic lane to workers and vehicles is between 1.2m – 3.0m. 100, 110km/hr & Unzoned**
DEC/005	**Clearance from traffic lane to workers and vehicles is 3.0m or more. All speed zones.**
DEC/006	**Standard signage for walking trails.**
DEC/007	**Standard signage for road closure with detour.**
DEC/008	**Side road entering work site - with speed restrictions.**
DEC/009	**Side road entering work site - without speed restrictions.**
DEC/010	**Dual carriageway 100 &110 km/hr speed zone reduced to one lane - side road scenario.**
DEC/011	**Dual Carriageway 100 &110 km/hr Speed Zone Reduced to One Lane.**
DEC/012	**Dual carriageway 70, 80 & 90km/hr speed zone reduced to one lane - side road scenario.**
DEC/013	**Dual carriageway 70, 80 & 90km/hr speed zone reduced to one lane - side road scenario.**

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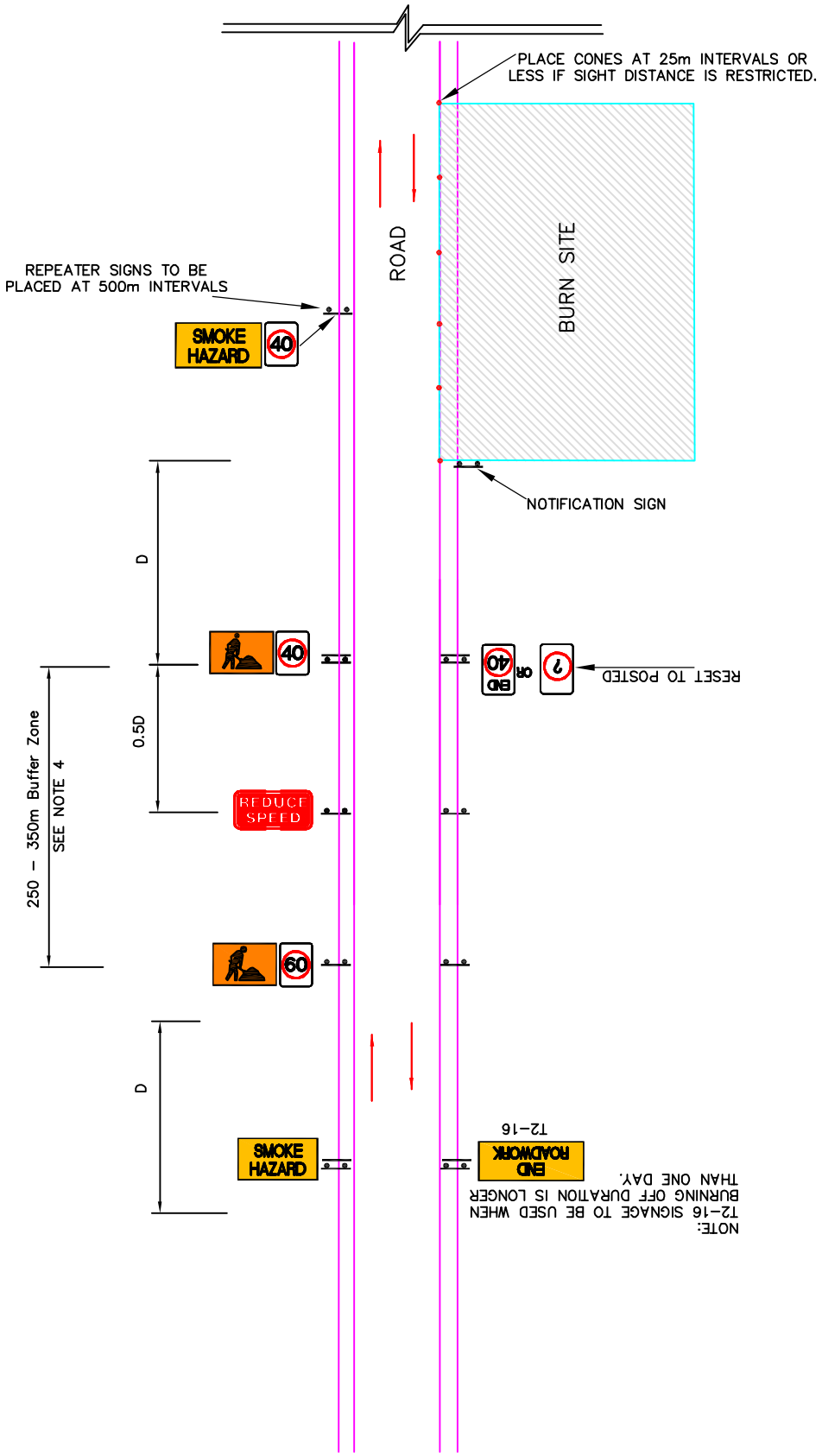

TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS BETWEEN 0 - 1.2m
- 70, 80 & 90KM/HR -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
2. Place 80km & 60km speed buffers where existing zone is 100km/hr or greater.
3. Remove "Worker Symbolic" sign when workers are not visible or on site and replace with "Smoke Hazard" sign.
4. A distance of 500m is required between signage when repeater speed signage is used.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* m
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity	Sign No.
Symbolic Worker	6	T1-5
End Road Work	2	T2-16
Speed Restrictions	8	R4-1B
Reduce Speed	2	G9-9A
End Speed Restrictions	2	R4-12B
Smoke Hazard	4	T4-6B

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DRAWING No: DEC/001

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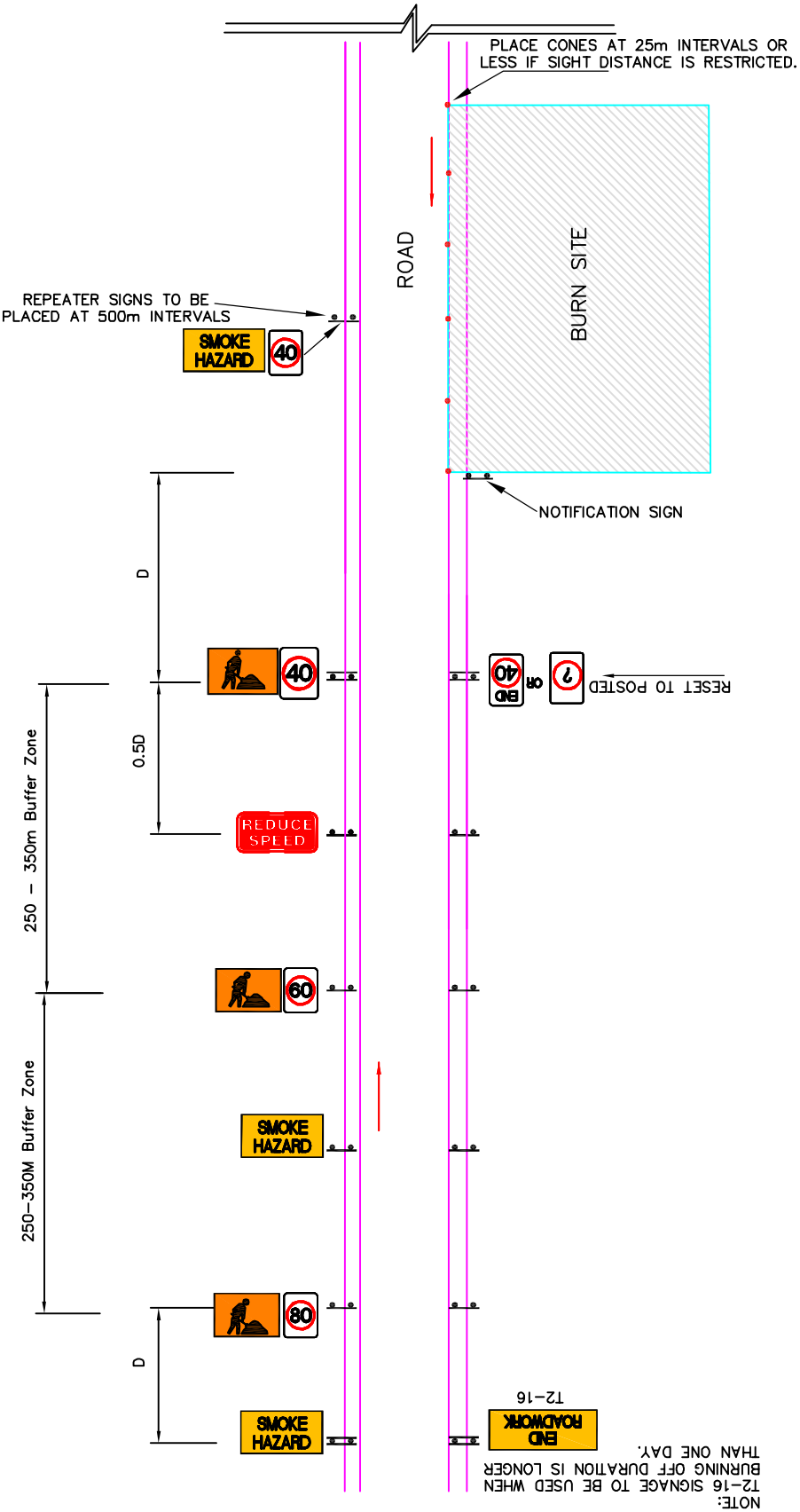

EXISTING SPEED ZONE 100kmh OR GREATER

TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS BETWEEN 0 - 1.2m
- 100, 110km/hr & UNZONED -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
2. Place 80km & 60km speed buffers where existing zone is 100km/hr or greater.
3. Remove "Worker Symbolic" sign when workers are not visible or on site and replace with "Smoke Hazard" sign.
4. A distance of 500m is required between signage when repeater speed signage is used.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity	Sign No.
Symbolic Worker	6	T1-5
End Road Work	2	T2-16
Speed Restrictions	8	R4-1B
Reduce Speed	2	G9-9A
End Speed Restrictions	2	R4-12B
Smoke Hazard	4	T4-6B

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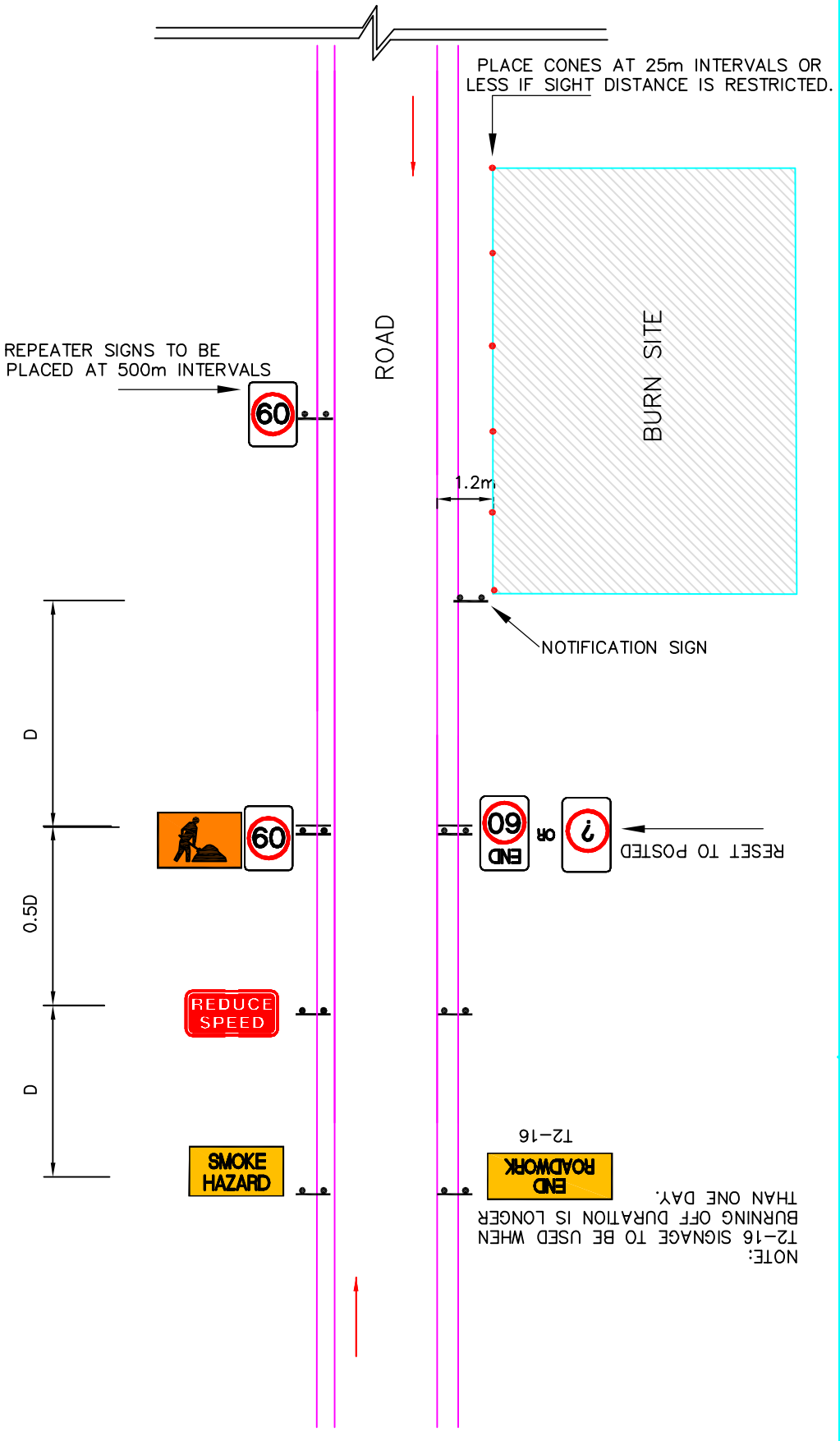

TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS BETWEEN 1.2m AND 3.0m
- 70, 80 OR 90KM/HR -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
3. Remove "Symbolic Worker" sign when workers are not visible or on site and replace with "Smoke Hazard" sign.
4. A distance of 500m between signs is required when repeater speed signage is used.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity	Sign No.
Symbolic Worker	4	T1-5
End Road Work	2	T2-16
Speed Restrictions	6	R4-1B
Reduce Speed	2	G9-9A
End Speed Restrictions	2	R4-12B
Smoke Hazard	2	T4-6B

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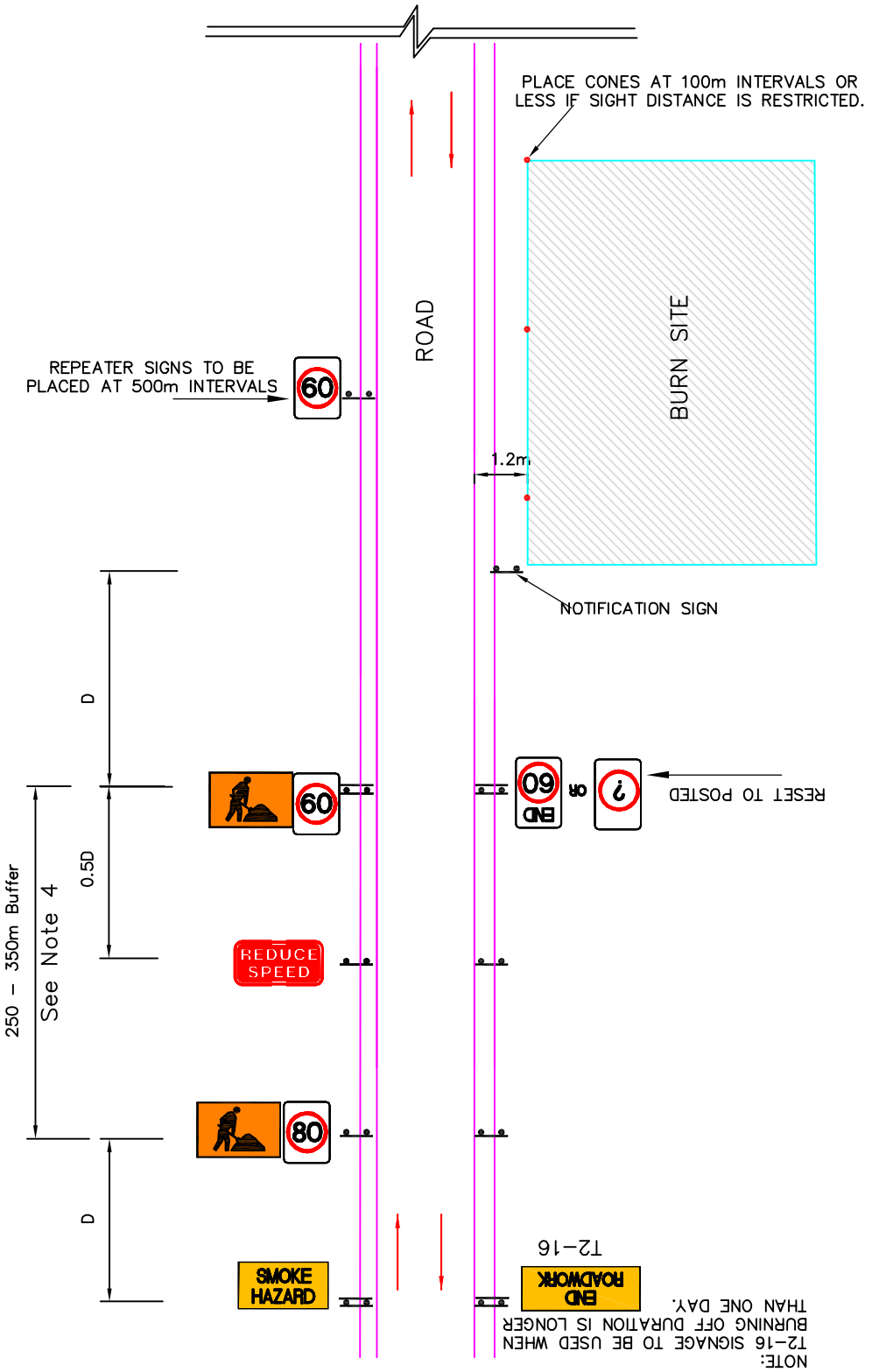

TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS BETWEEN 1.2m AND 3.0m
-100, 110 KM/HR & UNZONED -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
3. Place 80km/hr speed buffers where existing zone is 100kmh or greater.
4. Remove "Symbolic Worker" sign when workers are not visible or on site and replace with "Smoke Hazard" sign.
5. A distance of 500m is required between signs when repeater speed signage is used.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* m
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity	Sign No.
Symbolic Worker	4	T1-5
End Road Work	2	T2-16
Speed Restrictions	8	R4-1B
Reduce Speed	2	G9-9A
End Speed Restrictions	2	R4-12B
Smoke Hazard	2	T4-6B

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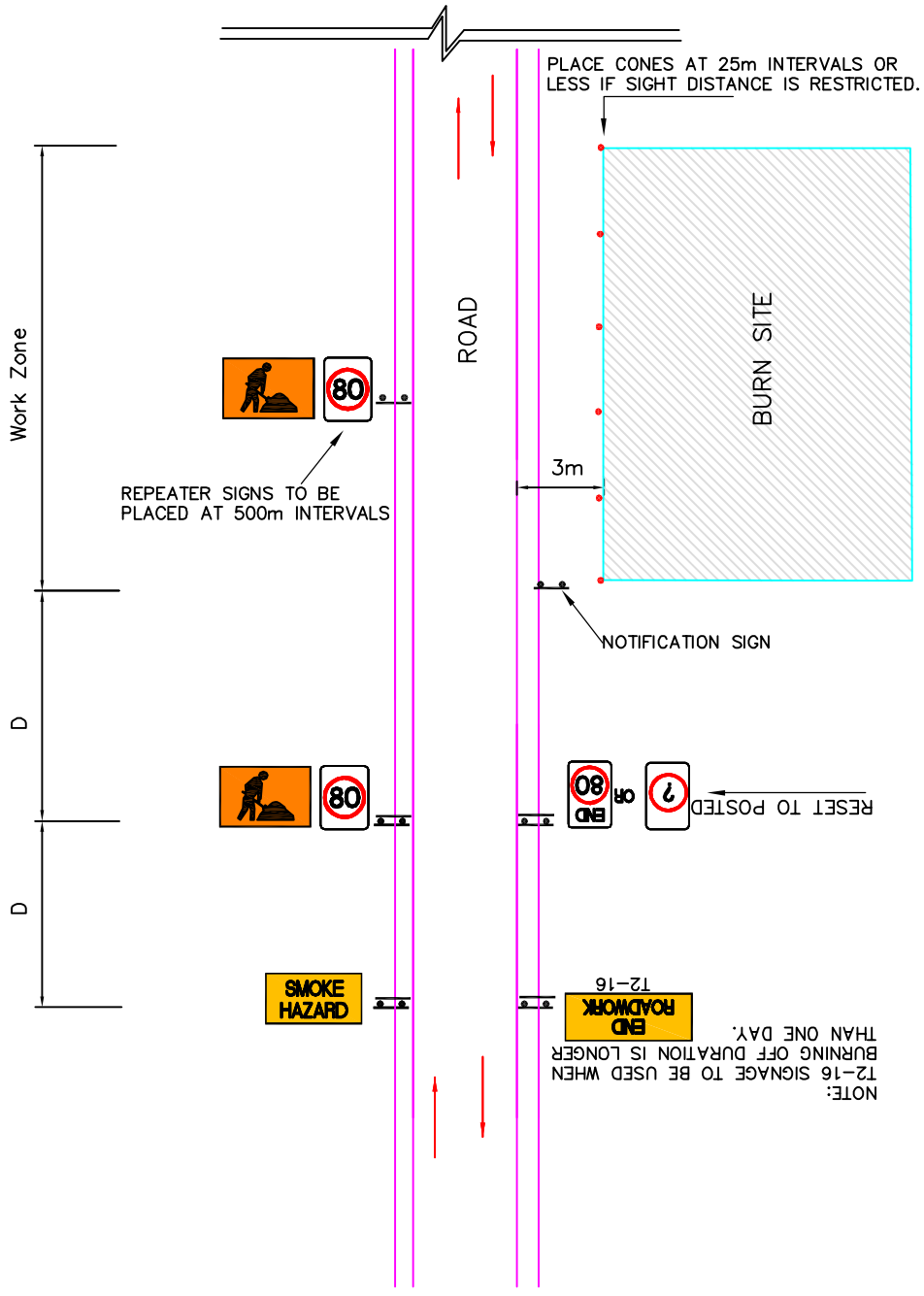

TRAFFIC CONTROL DIAGRAM

CLEARANCE FROM TRAFFIC LANE TO WORKERS AND VEHICLES IS 3.0m OR MORE
- ALL SPEED ZONES -

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 3.0 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
3. Remove "Worker Symbolic" sign when workers are not visible or on site and replace with "Smoke Hazard" sign.
4. A distance of 500m is required for repeater signage when used.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity	Sign No.
Symbolic Worker	2	T1-5
End Road Work	2	T2-16
Smoke Hazard	2	T4-6B

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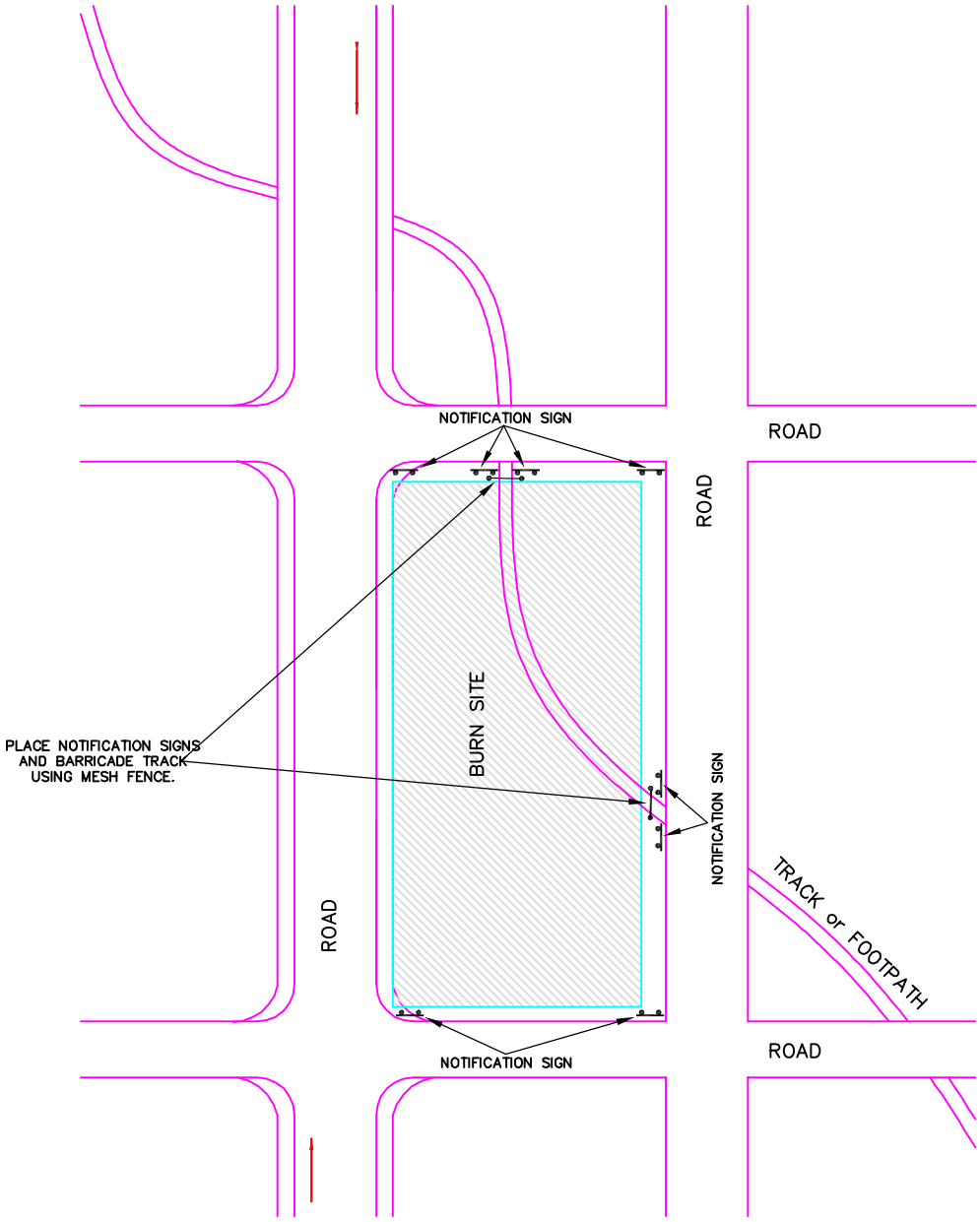

TRAFFIC CONTROL DIAGRAM

STANDARD SIGNAGE FOR WALKING TRAILS

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

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DRAWING No: DEC/006

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 04	*DATE:* 14/9/2010

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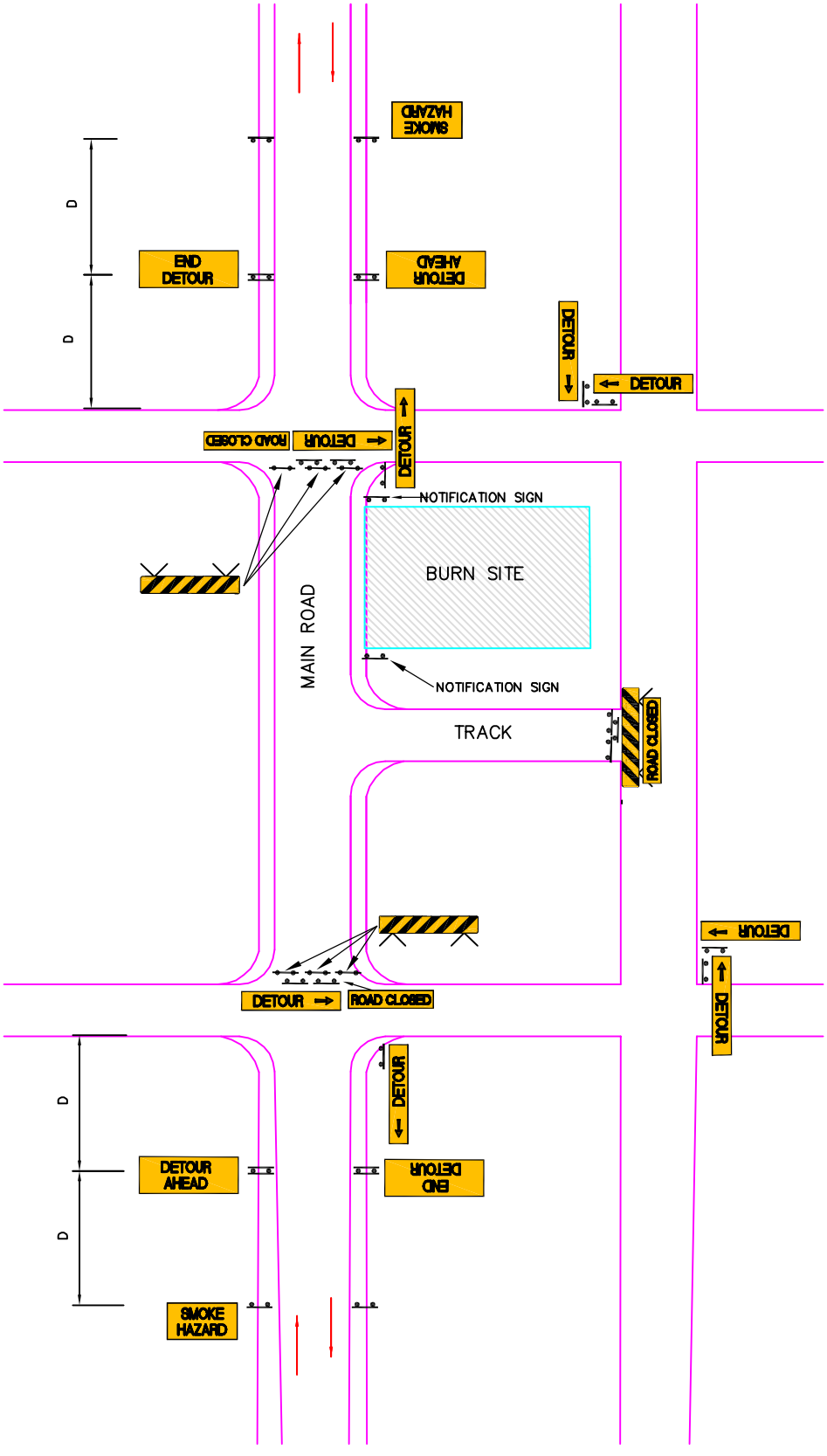

TRAFFIC CONTROL DIAGRAM

STANDARD SIGNAGE
FOR ROAD CLOSURE
WITH DETOUR

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. All detour routes to have similar road widths and clear zones.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity	Sign No.
Detour L	7	T5-1A
Detour R	7	T5-1A
Detour Ahead	4	T1-6A
Detour End	4	T2-23
Road Closed	3	T2-4
Barrier Boards	8	
Smoke Hazard	4	T4-6B

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PO BOX 421, BUNBURY, WESTERN AUSTRALIA 6230
TEL: 08 97923000 FAX: 08 97923030
WEBSITE: www.opus.com.au

DRAWING No: DEC/007

DESIGNER: Brad Brooksby | *CERT No:* K33946 | *SIGNED:* | *REV. No:* 04 | *DATE:* 14/9/2010

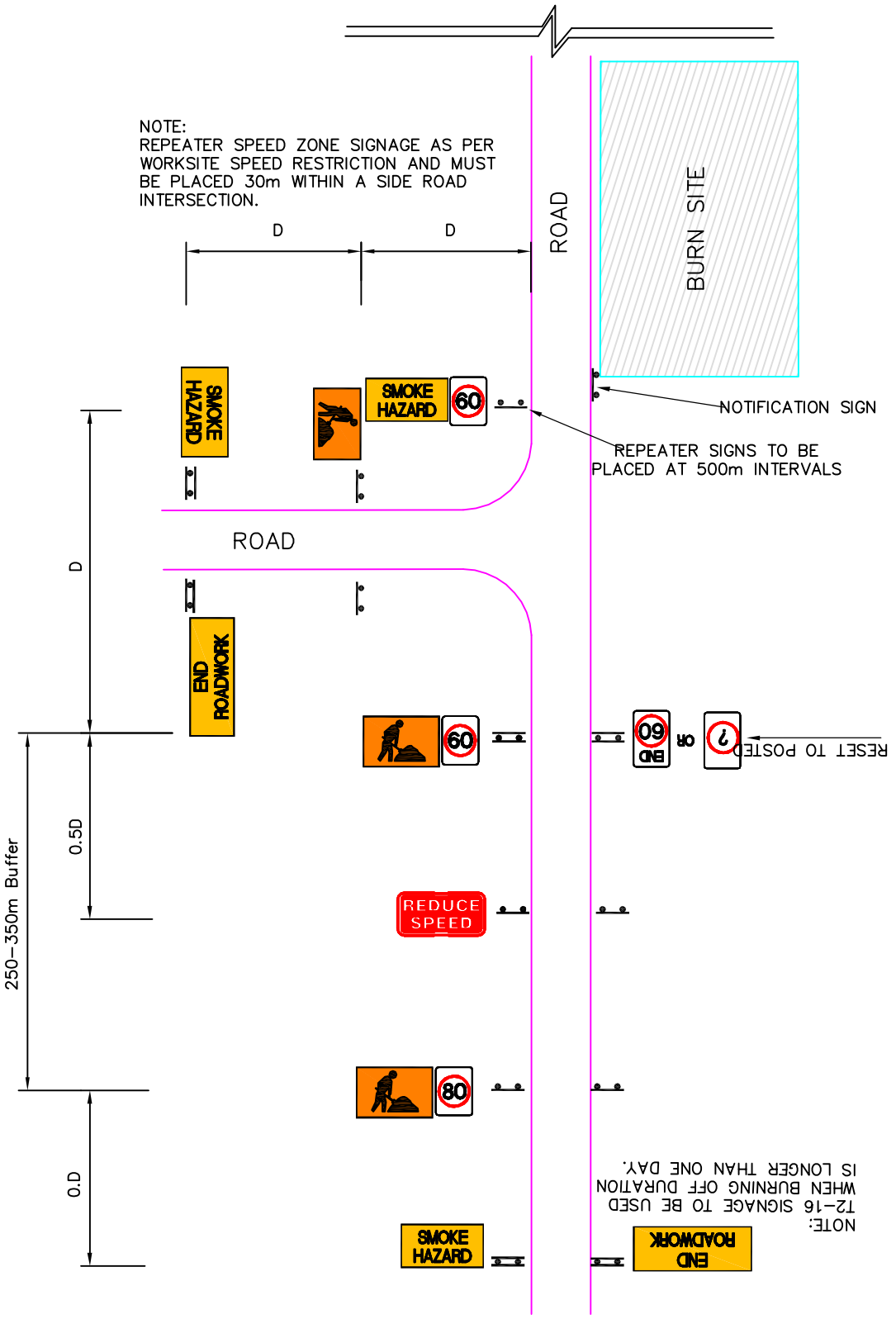
CAUTION

This is a generic diagram only and must be reviewed and modified if necessary, for each specific site. Evidence of review and modifications must be recorded on appropriate documentation.

TRAFFIC CONTROL DIAGRAM

SIDE ROADS ENTERING WORKSITE
WITH TEMPORARY SPEED RESTRICTIONS

ALL SIGNAGE BELOW TO BE INSTALLED ON BOTH APPROACHES TO THE WORK ZONE



PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works, inclusive of "U-Turn" signage.
2. Place 80km speed buffers where existing zone is 100km/hr or greater.
3. Remove "Worker Symbolic" sign when workers are not visible or on site and replace with "Smoke Hazard" sign.
4. Repeater speed signage (as per the temporary worksite speed restriction) must be placed within 30.0m of a side road intersection.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE:

Sign	Quantity	Sign No.
Symbolic Worker	6	T1-5
End Road Work	4	T2-16
Speed Restrictions	5	R4-1B
Reduce Speed	2	G9-9A
End Speed Restrictions	2	R4-12B
Smoke Hazard	4	T4-6B

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23 SPENCER STREET, BUNBURY, WESTERN AUSTRALIA 6230
PO BOX 421, BUNBURY, WESTERN AUSTRALIA 6230
TEL: 08 97923000 FAX: 08 97923030
WEBSITE: www.opus.com.au

DRAWING No: DEC/008

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 04	*DATE:* 14/9/2010

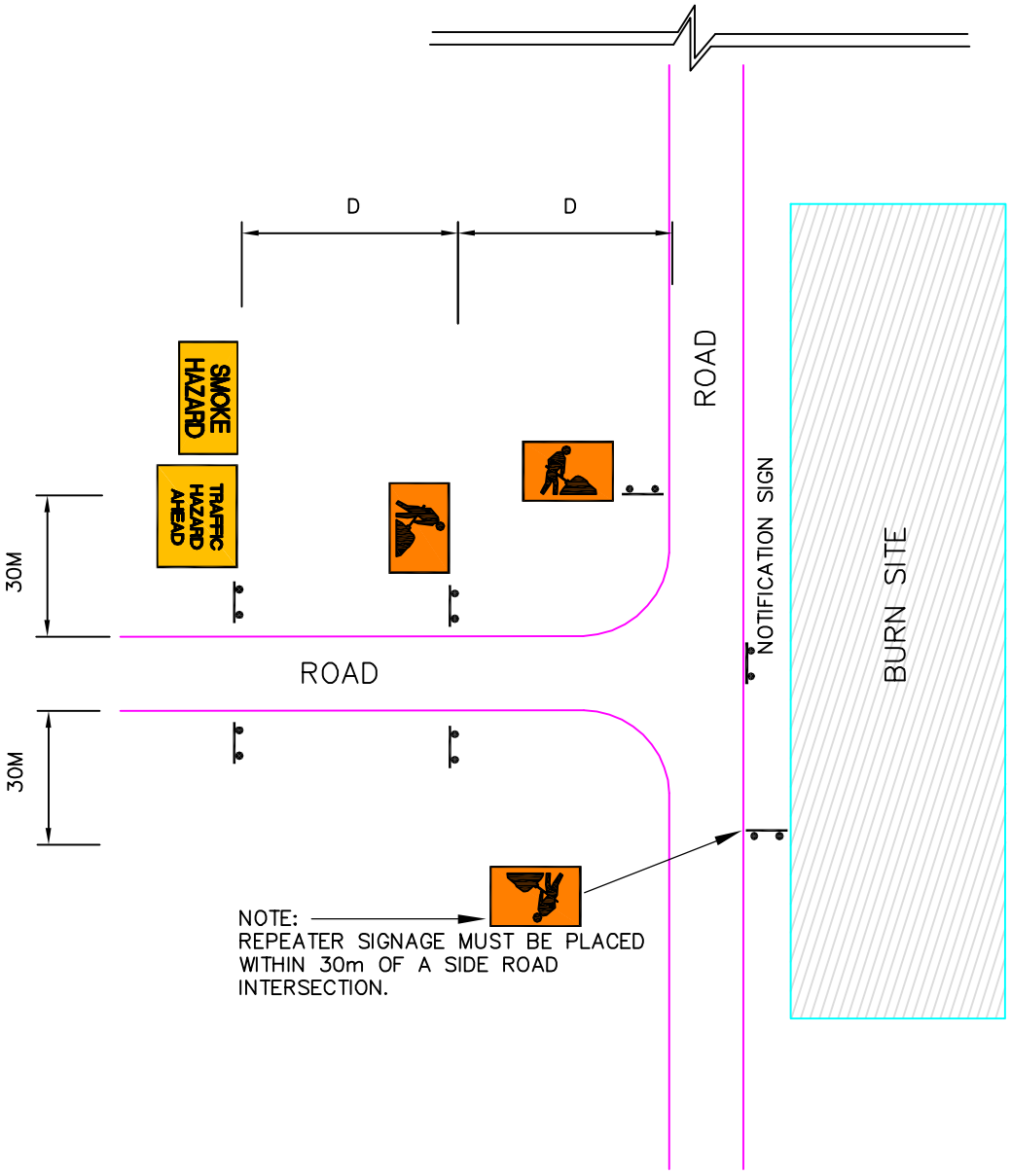
CAUTION

This is a generic diagram only and must be reviewed and modified if necessary, for each specific site. Evidence of review and modifications must be recorded on appropriate documentation.

TRAFFIC CONTROL DIAGRAM

SIDE ROADS ENTERING WORKSITES WITHOUT SPEED RESTRICTIONS

ALL SIGNAGE BELOW TO BE INSTALLED ON BOTH APPROACHES TO THE WORK ZONE



PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Repeater speed signage as per temporary worksite speed restriction must be placed within 30.0m of a side road intersection.
2. Remove "Worker Symbolic" signage when workers are not visible or on site and replace with "Smoke Hazard" sign.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign	Quantity	Sign No.
Traffic Hazard Ahead	2	1T2-10
Symbolic Worker	4	T1-5
Smoke Hazard	2	T4-6B

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23 SPENCER STREET, BUNBURY, WESTERN AUSTRALIA 6230
PO BOX 421, BUNBURY, WESTERN AUSTRALIA 6230
TEL: 08 97923000 FAX: 08 97923030
WEBSITE: www.opus.com.au

DRAWING No: DEC/009

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 04	*DATE:* 14/9/2010

CAUTION

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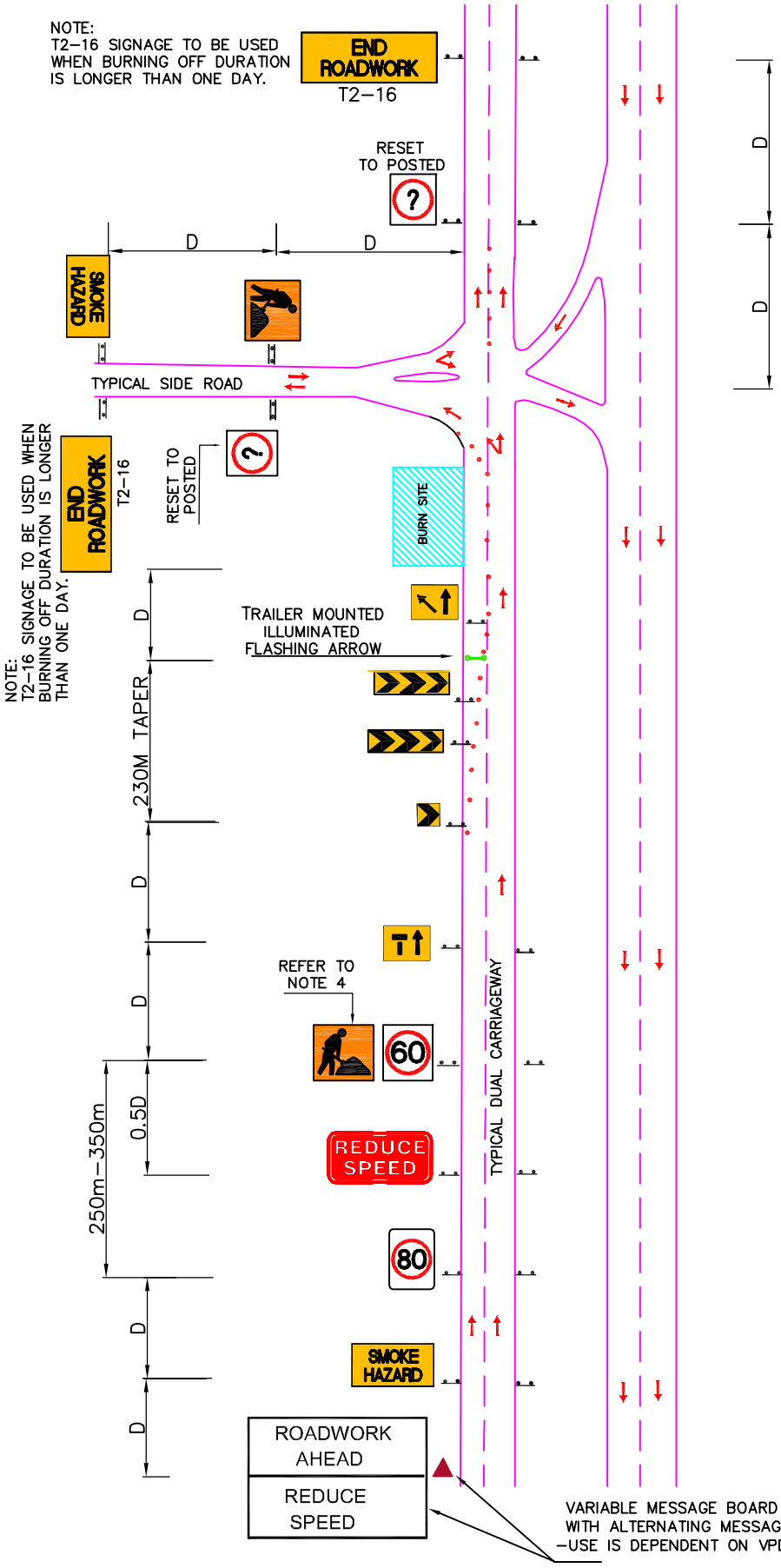

TRAFFIC CONTROL DIAGRAM

DUAL CARRIAGEWAY
100 &110km/hr SPEED ZONE
REDUCED TO ONE LANE
WITH SIDE ROAD SCENARIO

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works
3. A distance of 500m between signs is required when repeater signage is used.
4. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign	Quantity	Sign No.
Symbolic Worker	T1–5	4
End Road Work	T2–16	4
Smoke Hazard	T4–6B	4
Speed Restriction	R4–1B	4
Speed Reinstatement	R4–1B	4
Reduce Speed	G9–9A	2
Lane Status Sign	T2–6–1	4
Temporary Hazard Marker	T5–5	1
Temporary Hazard Marker	T5–4	2
Variable Message Board	▲	1
Legs		58

For full supporting details refer to Traffic Management Plan Document. This plan is suitable to use for this work site and date only. Any unauthorised use or reproduction in full or part is forbidden.

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23 SPENCER STREET, BUNBURY, WESTERN AUSTRALIA 6230
PO BOX 421, BUNBURY, WESTERN AUSTRALIA 6230
TEL: 08 97923000 FAX: 08 97923030
WEBSITE: www.opus.com.au

DRAWING No: DEC/010

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*		*REV. No:* 00	*DATE:* 14/9/2010

CAUTION

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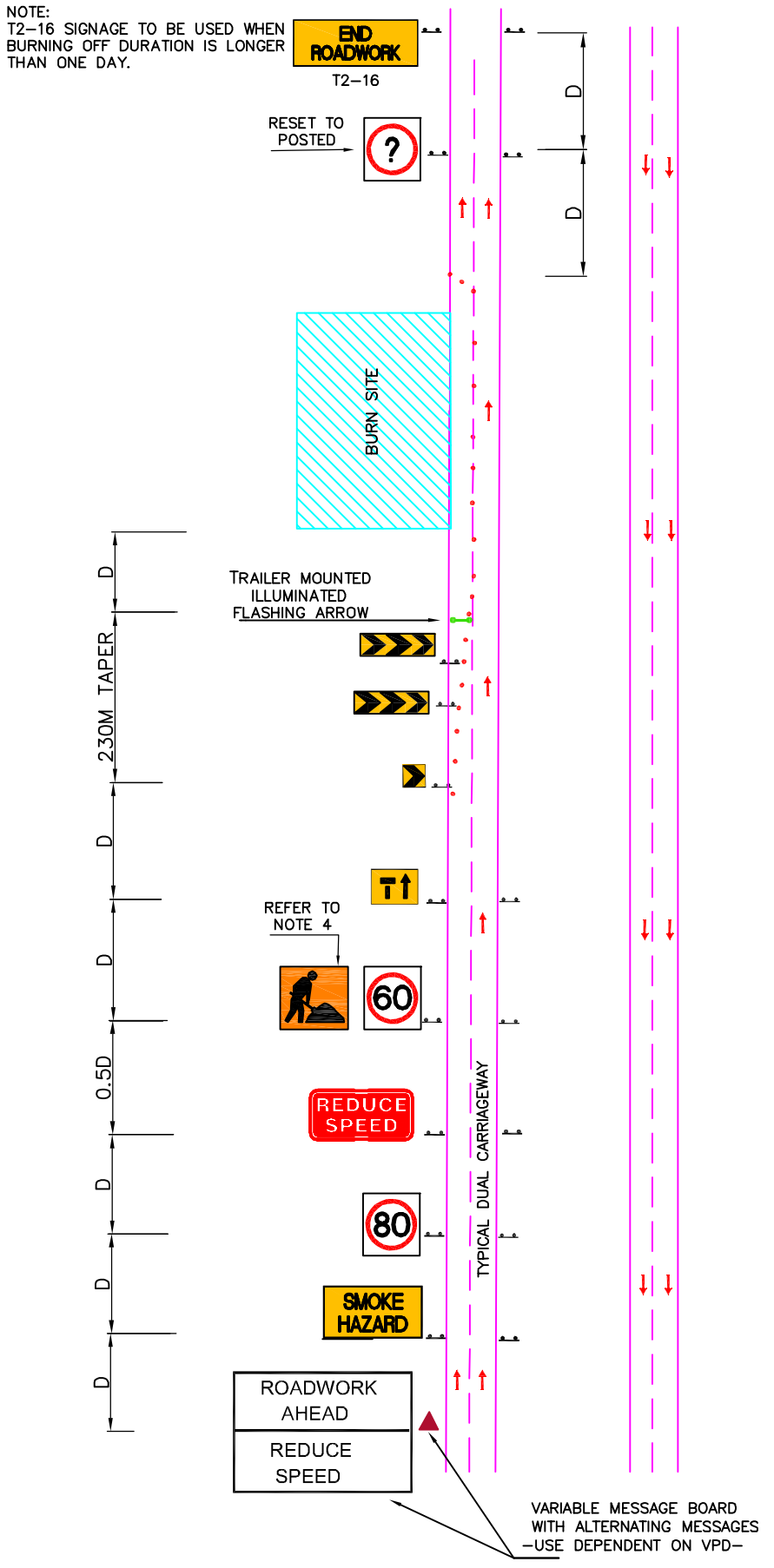
TRAFFIC CONTROL DIAGRAM

DUAL CARRIAGEWAY
100 & 110km/hr SPEED ZONE
REDUCED TO ONE LANE



PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of Risk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works
3. A distance of 500m between signs is required when repeater signage is used.
4. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign	Quantity	Sign No.
Symbolic Worker	T1–5	2
End Road Work	T2–16	2
Smoke Hazard	T4–6B	2
Speed Restriction	R4–1B	4
Speed Reinstatement	R4–1B	2
Reduce Speed	G9–9A	2
Lane Status Sign	T2–6–1	2
Temporary Hazard Marker	T5–5	1
Temporary Hazard Marker	T5–4	2
Variable Message Board	▲	1
Legs		38

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23 SPENCER STREET, BUNBURY, WESTERN AUSTRALIA 6230
PO BOX 421, BUNBURY, WESTERN AUSTRALIA 6230
TEL: 08 97923000 FAX: 08 97923030
WEBSITE: www.opus.com.au

DRAWING No: DEC/011

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 00	*DATE:* 14/9/2010

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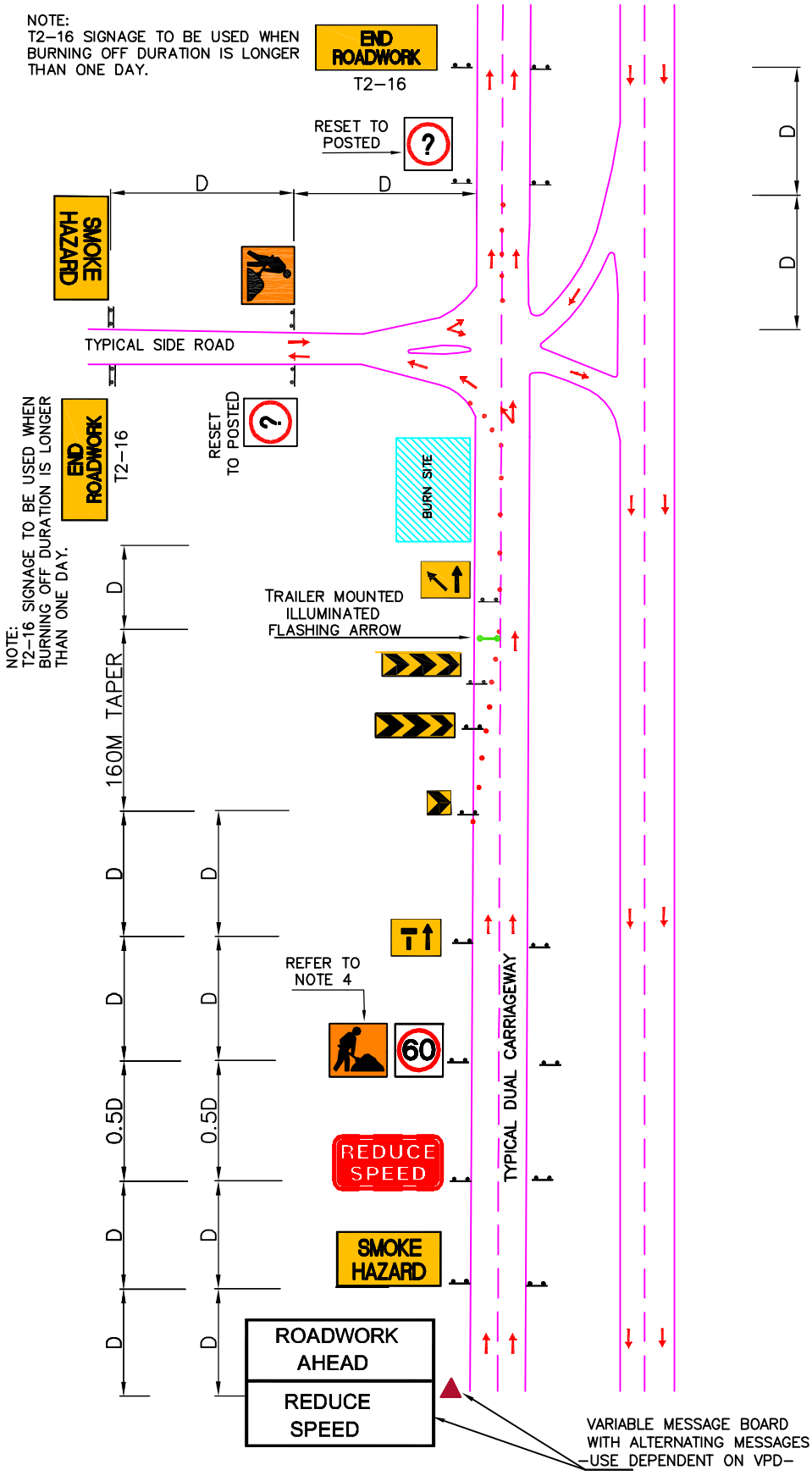

TRAFFIC CONTROL DIAGRAM

DUAL CARRIAGEWAY
70; 80 & 90km/hr SPEED ZONES
REDUCED TO ONE LANE
WITH SIDE ROAD SCENARIO

PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of RIsk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works
3. A distance of 500m between signs is required when repeater signage is used.
4. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* m
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign	Quantity	Sign No.
Symbolic Worker	T1–5	4
End Road Work	T2–16	4
Smoke Hazard	T4–6B	4
Speed Restriction	R4–1B	2
Speed Reinstatement	R4–1B	4
Reduce Speed	G9–9A	2
Lane Status Sign	T2–6–1	4
Temporary Hazard Marker	T5–5	1
Temporary Hazard Marker	T5–4	2
Variable Message Board	▲	1
Legs		54

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TEL: 08 97923000 FAX: 08 97923030
WEBSITE: www.opus.com.au

DRAWING No: DEC/012

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*		*REV. No:* 00	*DATE:* 14/9/2010

CAUTION

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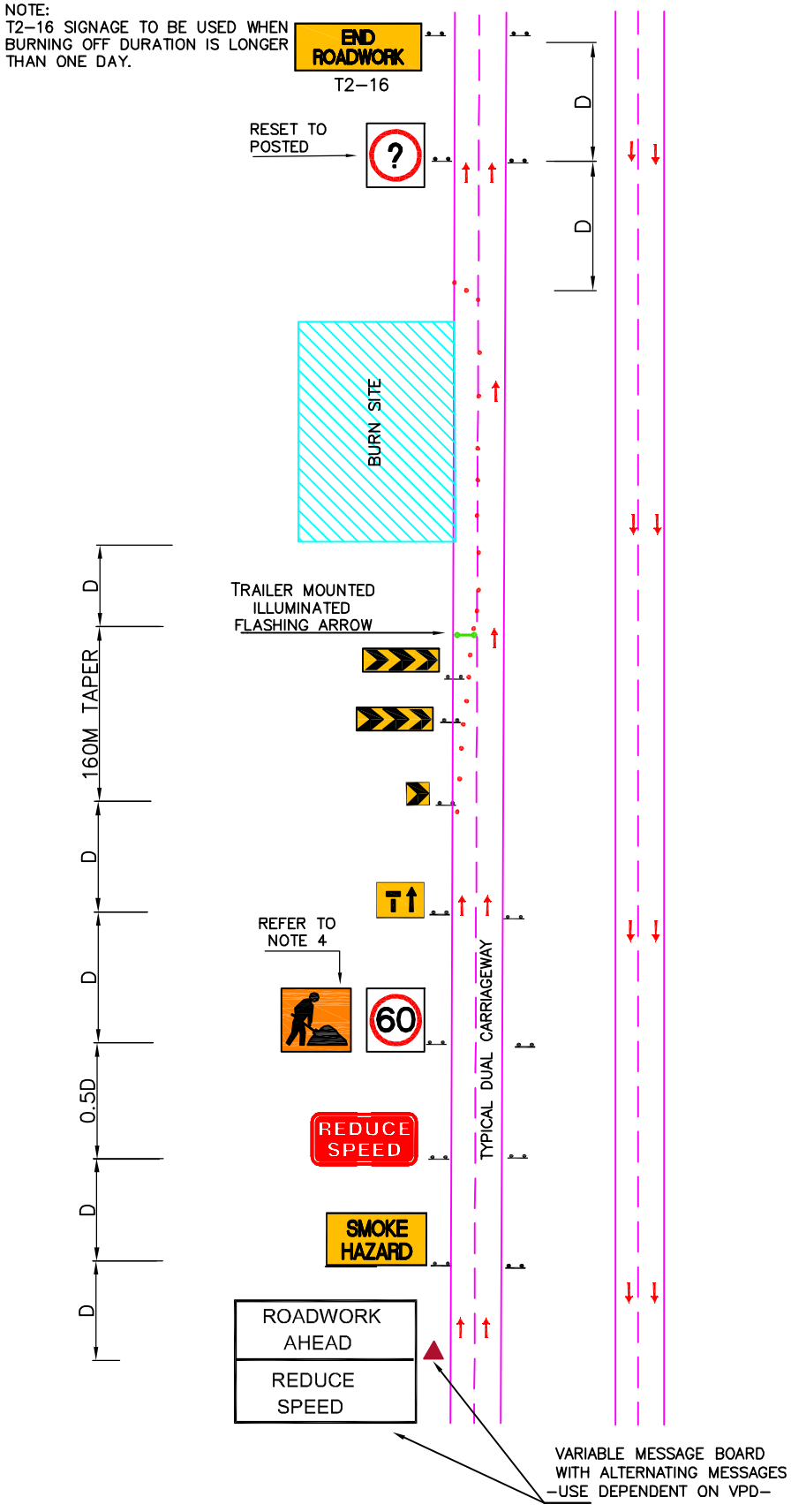
TRAFFIC CONTROL DIAGRAM

DUAL CARRIAGEWAY
70; 80 & 90km/hr SPEED ZONES
REDUCED TO ONE LANE



PROJECT MANAGEMENT:

Client:	**Department of Environment and Conservation**
Contact:	**Refer Bottom of RIsk Analysis**
After Hours Contact:	**District Duty Officer - Local DEC**
Project Duration:	**To be Advised**
Commencment Of Works:	**To be Advised**
Classification Of Works:	**Prescribed Burning**

PROJECT SPECIFICATIONS:

Notes:

1. Leave a 1.2 metre clearance between the worksite and the flow of traffic.
2. Ensure that any existing permanent signage within the extent of the site is covered whilst works are in progress. Remove cover on completion of the works
3. A distance of 500m between signs is required when repeater signage is used.
4. Remove "Worker Symbolic" sign and replace with "Smoke Hazard" sign when workers are not visible or on site.

SIGNAGE SPACING:
"D" (metres), for the positioning of signs, is related to the speed of traffic as follows

VALUE OF DIMENSION *D*

Speed of traffic km/h	Dimension *D* *m*
45 or less	10
46-55	15
56 - 65	45
Greater than 65	Equal to speed of traffic, in km/h

SIGNS SCHEDULE

Sign	Quantity	Sign No.
Symbolic Worker	T1–5	2
End Road Work	T2–16	2
Smoke Hazard	T4–6B	2
Speed Restriction	R4–1B	2
Speed Reinstatement	R4–1B	2
Reduce Speed	G9–9A	2
Lane Status Sign	T2–6–1	4
Temporary Hazard Marker	T5–5	1
Temporary Hazard Marker	T5–4	2
Variable Message Board	▲	1
Legs		38

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PO BOX 421, BUNBURY, WESTERN AUSTRALIA 6230
TEL: 08 97923000 FAX: 08 97923030
WEBSITE: www.opus.com.au

DRAWING No: DEC/013

DESIGNER: Brad Brooksby	*CERT No:* K33946	*SIGNED:*	*REV. No:* 04	*DATE:* 14/9/2010