

## **SECTION E3    LEVEL 1 ROADS                   SIGNS AND LAYOUT DIAGRAMS**

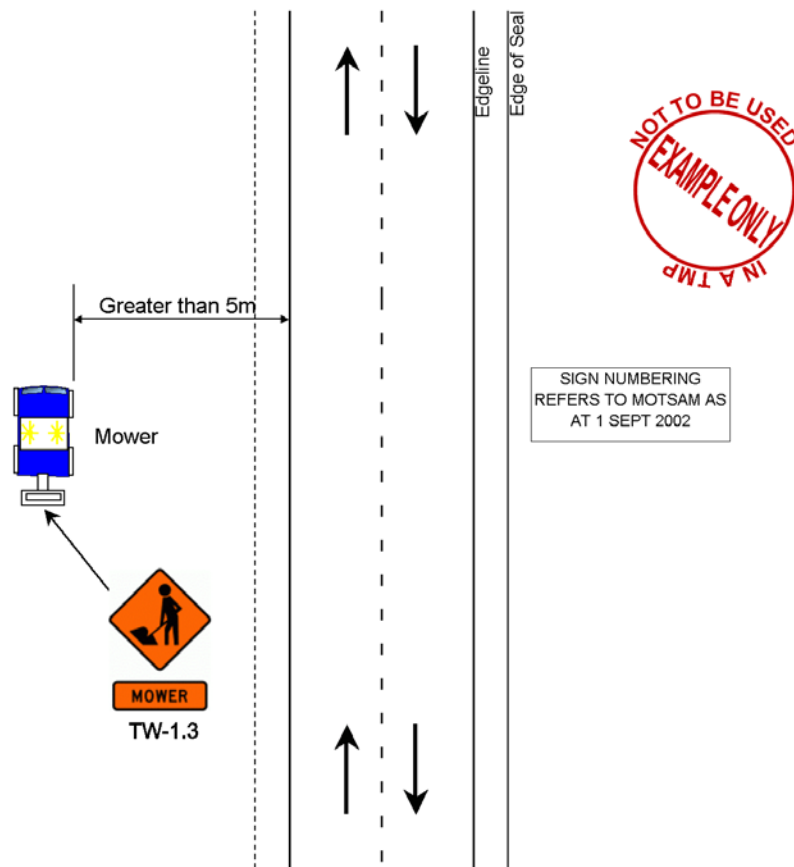
### **MOBILE OPERATIONS**

- E3.1    **MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD:** Work Vehicle is more than five (5) metres from the Edge Line
- E3.2    **MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD:**
  - Work Vehicle is within five (5) metres of the Edge Line, and the Rear Visibility is more than the Clear Sight Distance, or
  - Work Vehicle is within five (5) metres of the Edge Line, and the Rear Visibility is less than the Clear Sight Distance, and the permanent speed limit is less than 65 km/h
- E3.3    **MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD:** Work Vehicle is within five (5) metres of the Edge Line, and the Rear Visibility is less than the Clear Sight Distance, and the permanent speed limit is greater than 65 km/h
- E3.4    **MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD:** Work Vehicle is in a Lane, and the Rear Visibility is less than the Clear Sight Distance, and the permanent speed limit is less than 65 km/h
- E3.5    **MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD:** Work Vehicle is in a Lane, and the Rear Visibility is less than the Clear Sight Distance, and the permanent speed limit is greater than 65 km/h
- E3.6    **MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD:** Work Vehicle is in a Lane, and both Forward and Rear Visibility is less than the Clear Sight Distance
- E3.7    **MOBILE CLOSURE - TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 1 ROAD:** Work Vehicle in the Right Lane
- E3.8    **MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD:** Personnel on the Road
- E3.9    **SEMI-STATIC CLOSURE - TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 1 ROAD:** Part or All of a Lane Occupied

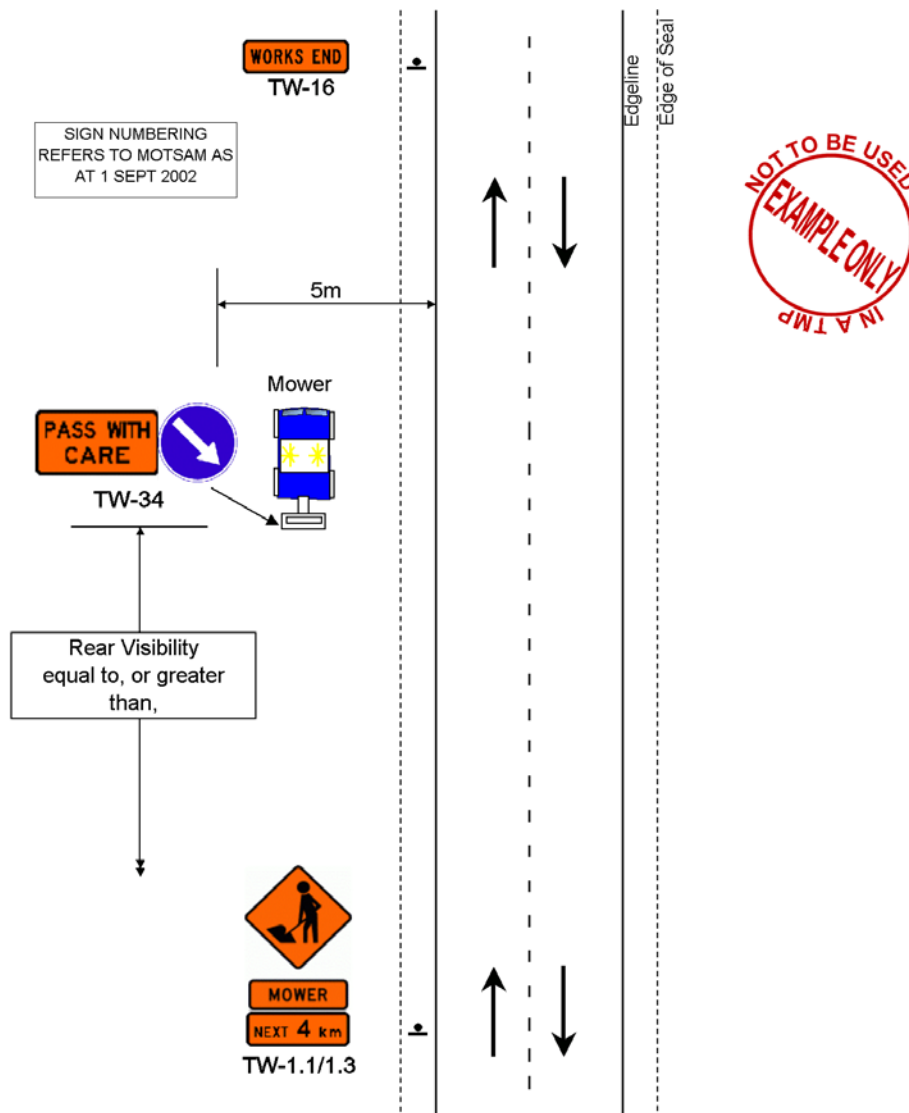
### **TMP DIAGRAM**

- E4.1    **TYPICAL LEVEL 1 ROAD TMP DIAGRAM:** Right Lane Closure on a Two-Lane Divided or Two-Lane One-Way Road

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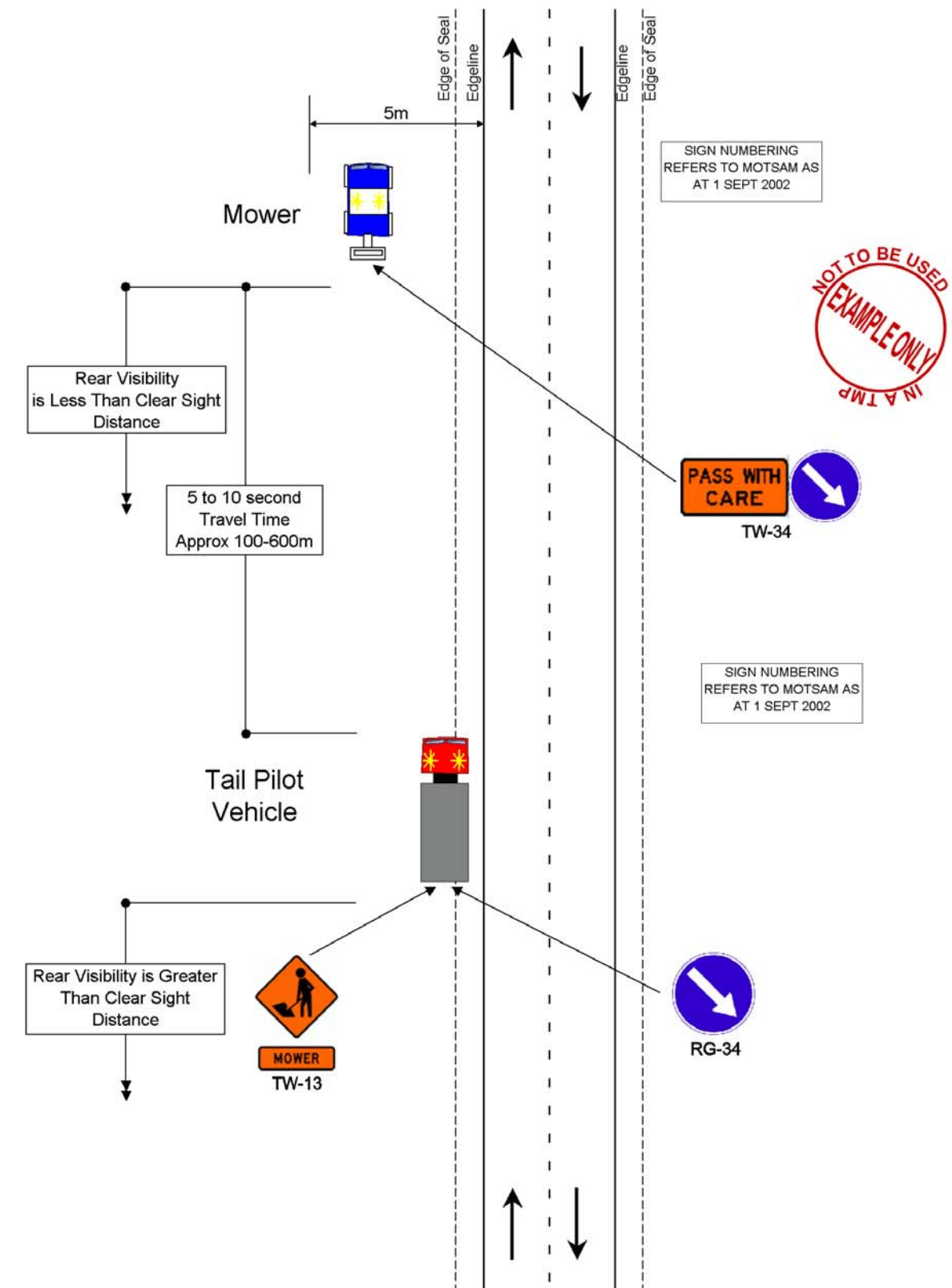


**E3.1: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD**  
**Work Vehicle is more than five (5) metres from the Edge Line**

**E3.2: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD (ANY SPEED)**

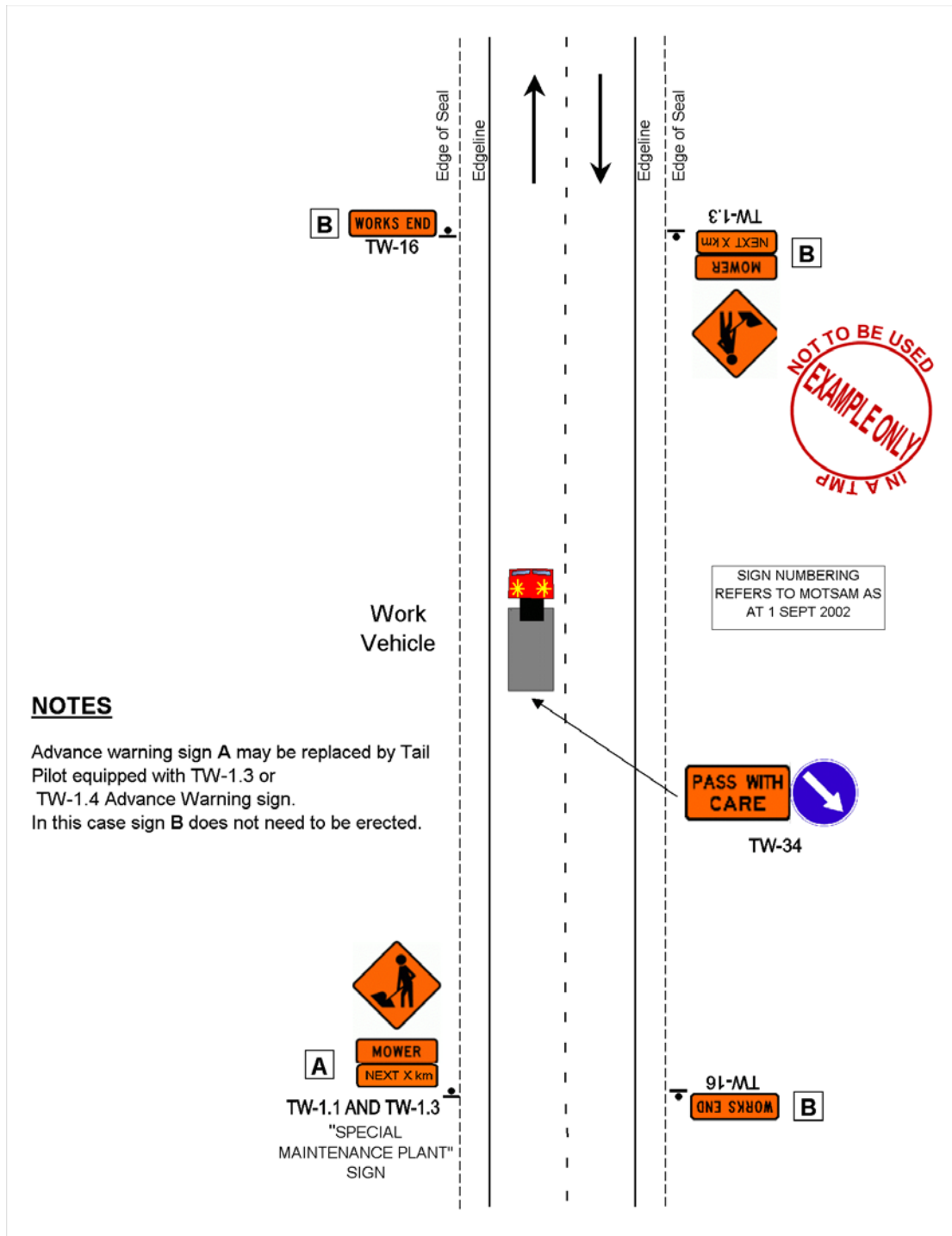
Work Vehicle is within five (5) metres of the Edge Line, and  
the Rear Visibility is more than the Clear Sight Distance,  
or

Work Vehicle is within five (5) metres of the Edge Line, and  
the Rear Visibility is less than the Clear Sight Distance, and  
the permanent speed limit is less than 65 km/h

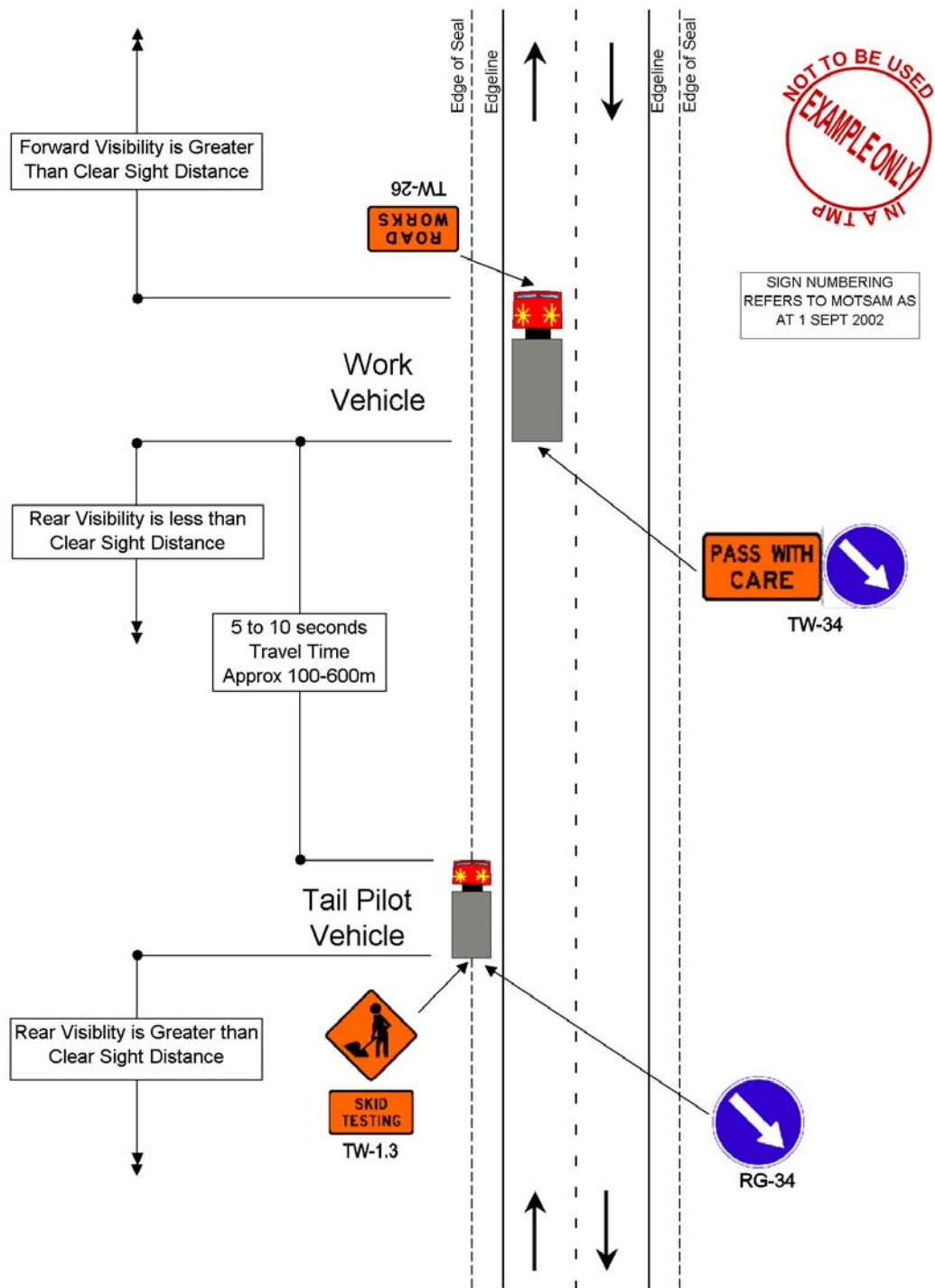


### E3.3: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD

**Work Vehicle is within five (5) metres of the Edge Line, and the Rear Visibility is less than the Clear Sight Distance, and the permanent speed limit is greater than 65 km/h**

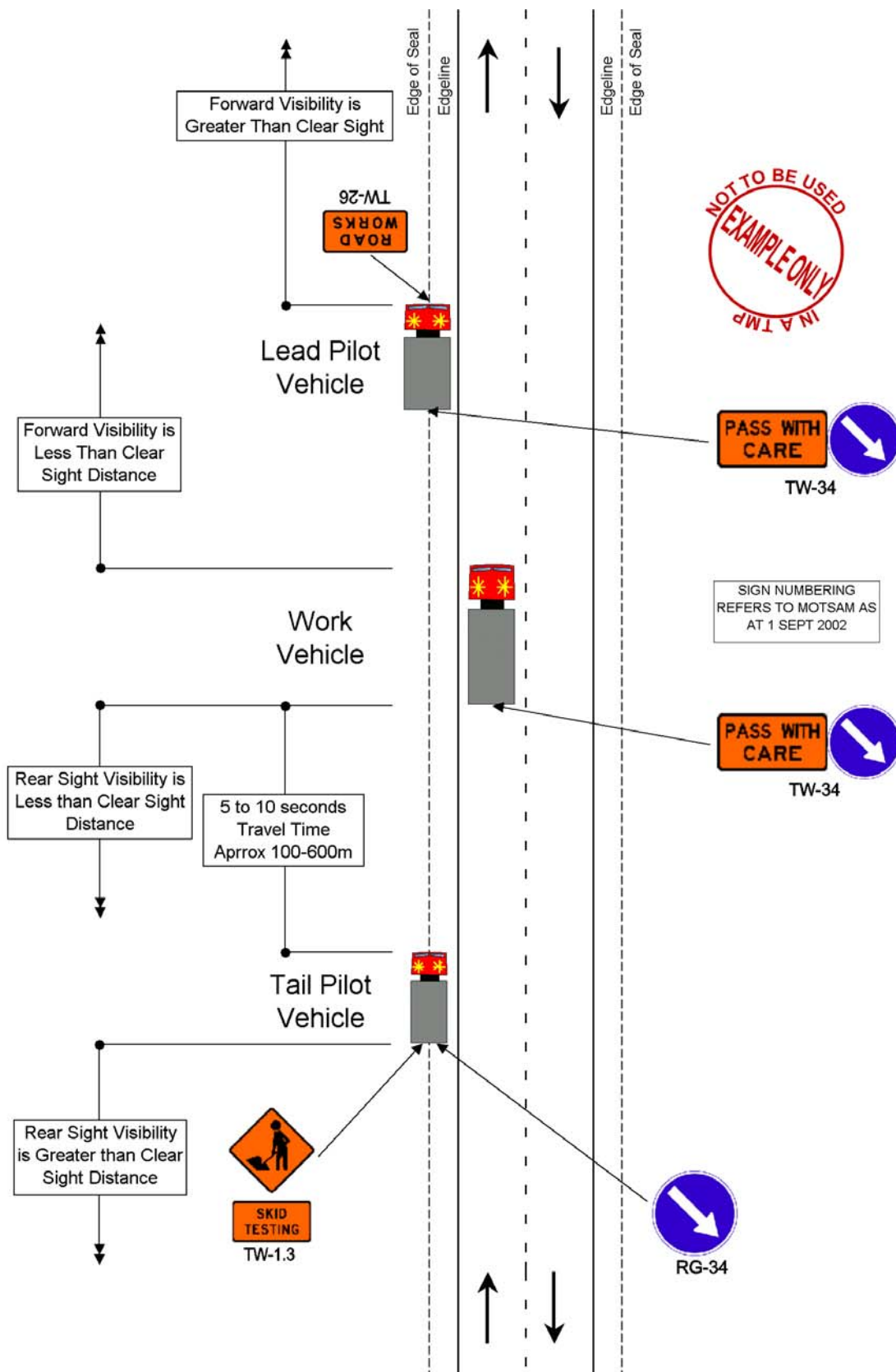
**E3.4: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD**

Work Vehicle is in a lane, and  
the Rear Visibility less than the Clear Sight Distance, and  
the permanent speed limit is less than 65km/h



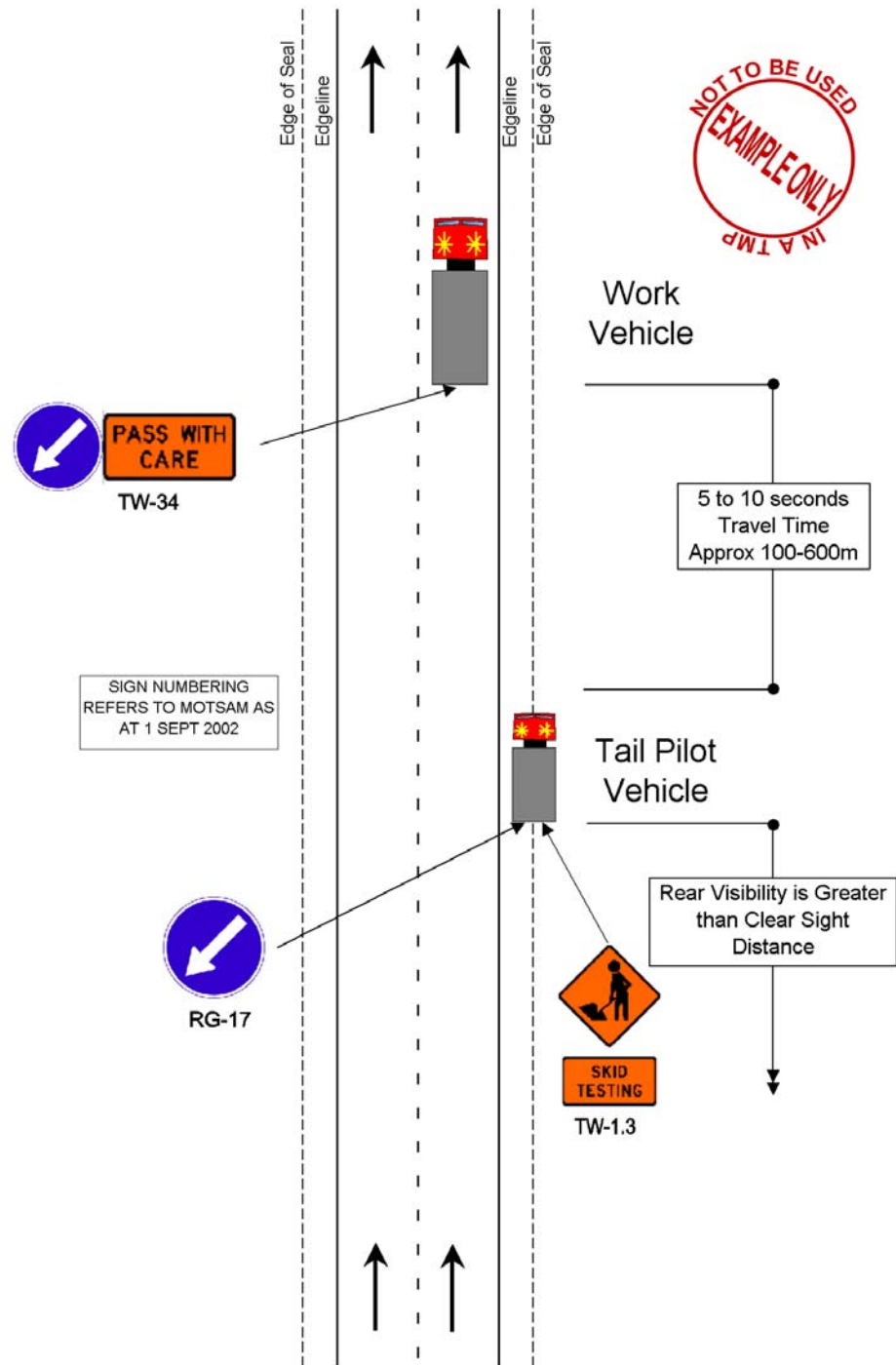
### E3.5: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD

Work Vehicle is in a Lane, and  
the Rear Visibility less than the Clear Sight Distance, and  
the permanent speed limit is greater than 65 km/h

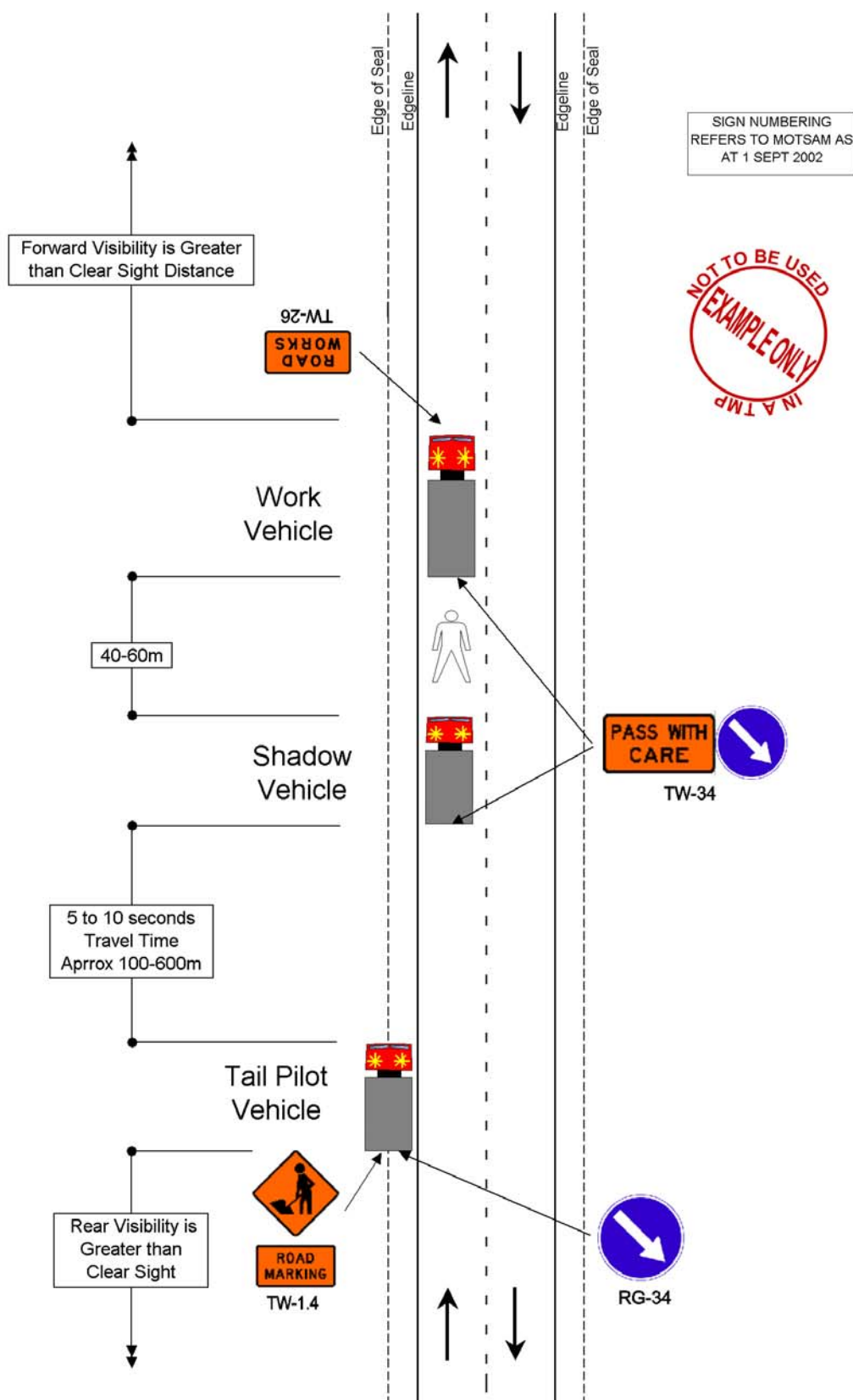


**E3.6: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD**  
 Work Vehicle is in a Lane, and  
 both Forward and Rear Visibility is less than the Clear Sight Distance





**E3.7: MOBILE CLOSURE**  
**TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 1 ROAD**  
**Work Vehicle in the Right Lane**



**E3.8: MOBILE CLOSURE - TWO-WAY TWO-LANE LEVEL 1 ROAD**  
**Personnel on the Road**

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Permanent Speed Limit		≤ 50 km/h	60 km/h	70 km/h	80 km/h	100 km/h
		m	m	m	m	m
Traffic Signs						
A	Sign Visibility Distance	50	60	70	80	100
B	Warning Distance	75	90	105	120	150
C	Sign Spacing	35	45	50	60	75
Safety Zones						
D	Longitudinal *	15	20	30	45	60
E	Lateral					
	1. Behind Cones etc	1	1	1	1	1
	2. Behind Concrete Barrier	0.5	0.5	0.5	0.5	0.5
	3. Behind Other Barriers	As recommended by manufacturers				
Tapers						
G	Length Per Lane**	50	60	70	80	100
K	Minimum Distance between Tapers	50	60	70	80	100
Delineation Devices						
Spacing in Taper		2.5	2.5	5.0	5.0	5.0
Spacing (On Approaches, Between Tapers and Around the Working Area)		5	5	10	10	10

**Table C2.2: Layout Distances for Level 1 Traffic Management**

- \* A longitudinal safety zone is not required when a barrier completely protects the approach end of the site.
- \*\* Taper length is based on a single lane shift of 3.5m. A 30m long taper may be used at all permanent speed limits to divert vehicles past a work site controlled by either Manual Traffic Controllers (MTC's) or portable traffic signals, provided a 30 km/h temporary speed limit has been applied. Delineation devices shall be placed at 2.5m centres.

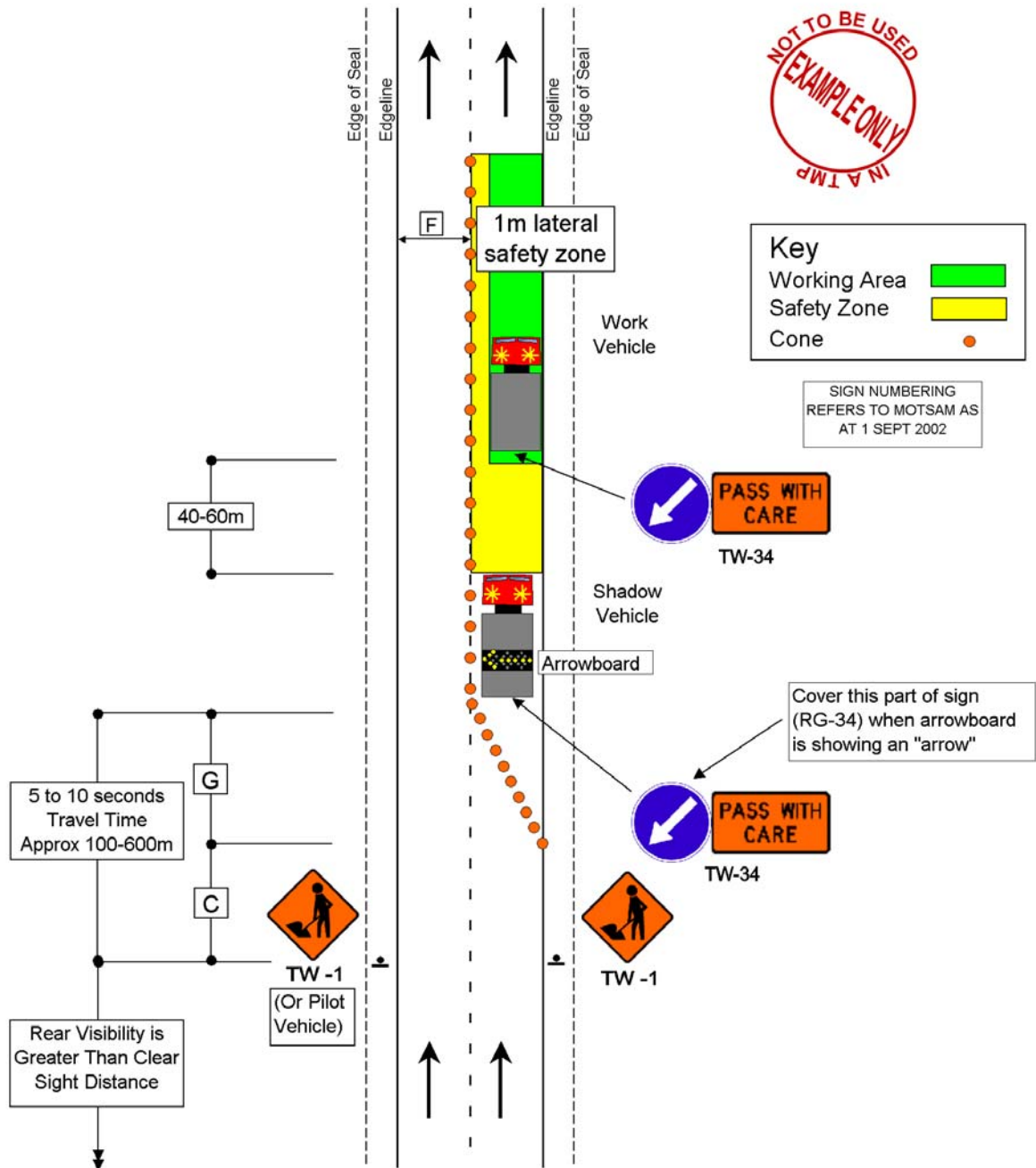
Except for the delineation device spacing, which is a maximum distance, the distances specified in the above table are minimum distances.

### Minimum Lane Widths

Permanent/Temporary Speed		30 km/h	50 km/h	60 km/h	70 km/h	80 km/h	100 km/h
<b>F</b>	Minimum Lane Width	2.75 m	3.00 m	3.00 m	3.25 m	3.25 m	3.50 m

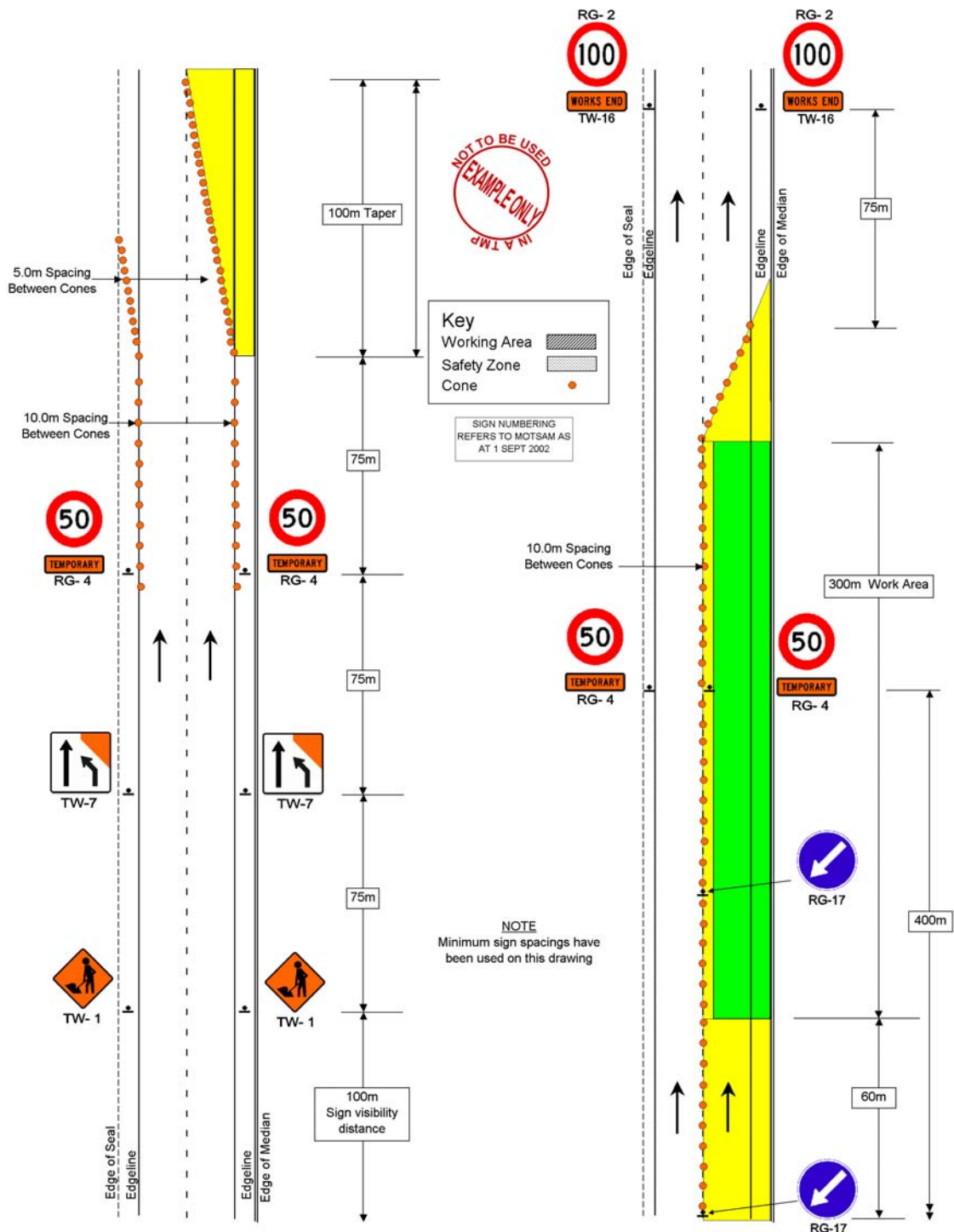
**Table C2.5: Minimum Lane Widths**

Where the traffic flow contains a high proportion of heavy vehicles wider lanes may be required for efficient traffic operation. Lane widths should, however, never be greater than 4m.



**E3.9: SEMI-STATIC CLOSURE**  
**TWO-LANE DIVIDED or TWO-LANE ONE-WAY LEVEL 1 ROAD**  
**Part or All of a Lane Occupied**

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**E4.1: TYPICAL LEVEL 1 ROAD TMP DIAGRAM**  
**Right Lane Closure on a Two-Lane Divided Road or a Two-Lane One-Way Road**

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