# SECTION G2 LEVEL 3 ROADS SIGNS AND LAYOUT DIAGRAMS

**MOBILE OPERATIONS**

G2.1 MOBILE CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Work Vehicle more than five (5) metres from an Edge Line

G2.2 MOBILE CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Work Vehicle is between two (2) and five (5) metres from an Edge Line and Rear Visibility is Greater than Clear Sight Distance

G2.3 MOBILE CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Work Vehicle is between two (2) and five (5) metres from an Edge Line and Rear Visibility is Less than Clear Sight Distance

G2.4 MOBILE CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Work Vehicle is between zero (0) and two (2) metres from an Edge Line

G2.5 MOBILE CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Work Vehicle is on the Carriageway

**SEMI STATIC CLOSURES**

G3.1 SEMI STATIC CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Left Lane Closure

G3.2 SEMI STATIC CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Right and Centre Lane Closure

G3.3 SEMI STATIC CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Right and Centre Lane Closure (Unplanned emergency work only)

**LONG TERM CLOSURES**

G4.1 LONG TERM CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Long Term Closure - Left Lane Closure

G4.2 LONG TERM CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD: Long Term Closure - Right Lane Closure

G4.3 MOTORWAY CLOSURE - LEVEL 3 ROAD: Typical Detour Route Signing

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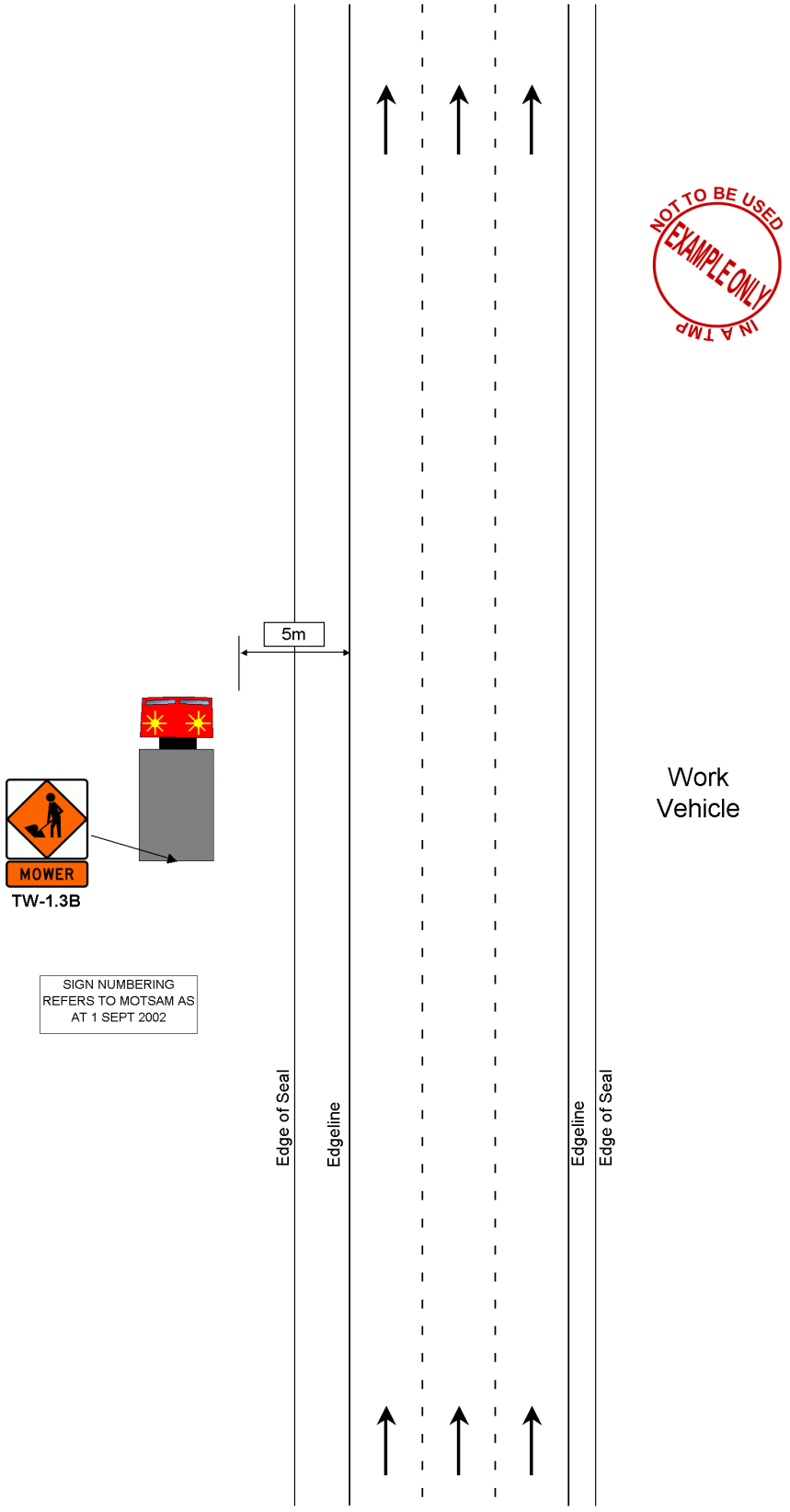
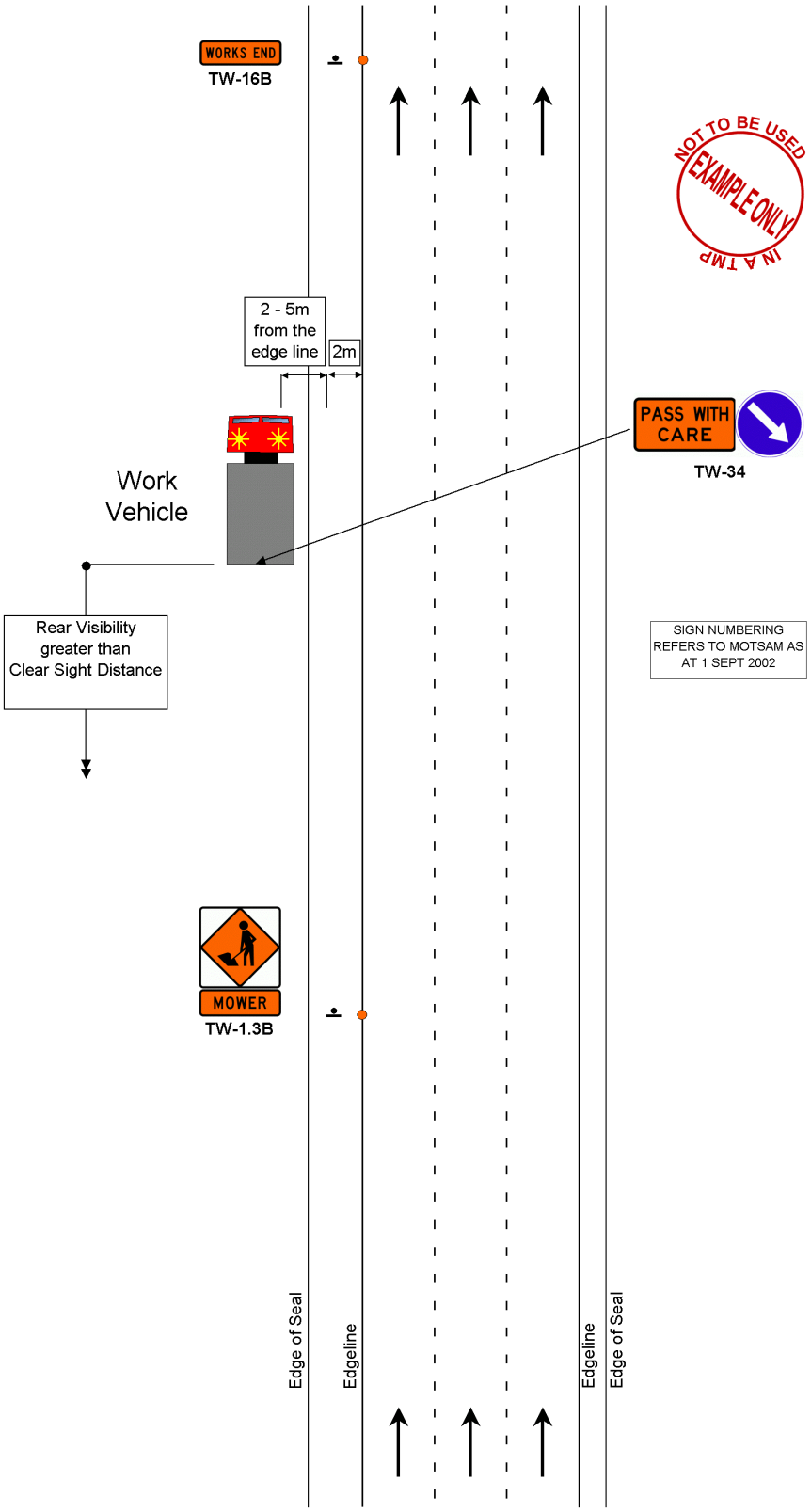
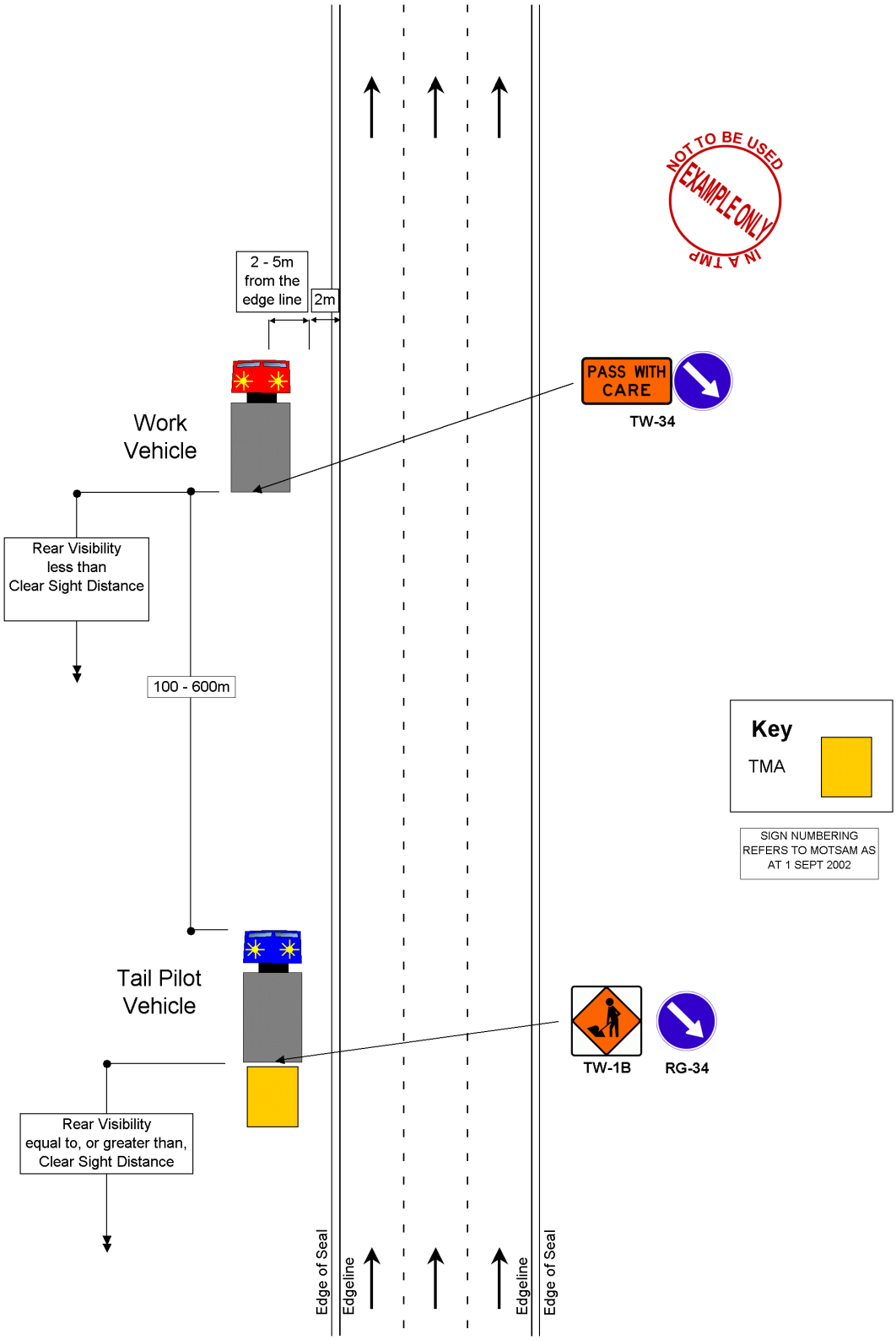


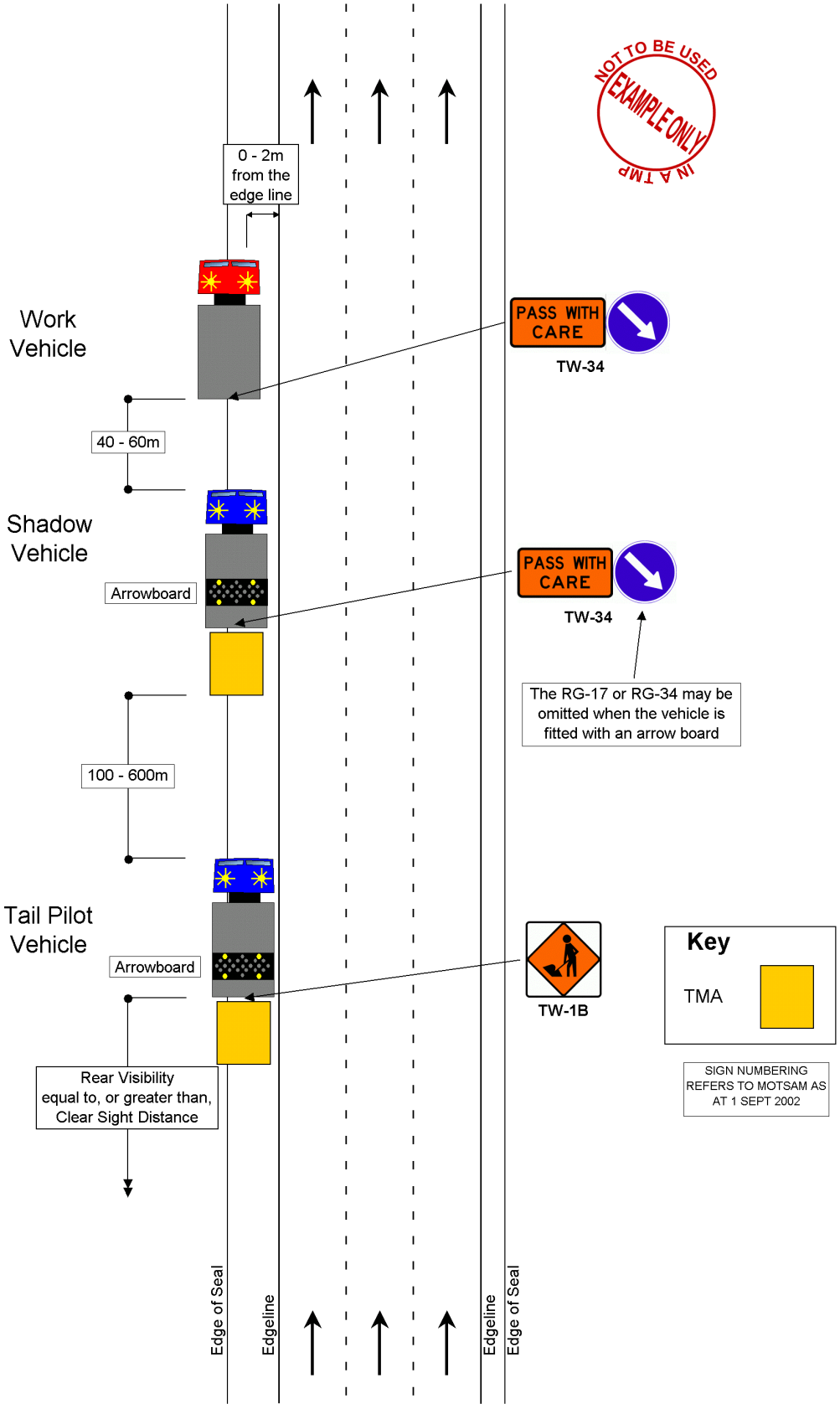

**G2.1: MOBILE CLOSURE - LEVEL 3 ROAD**
**MULTI-LANE DIVIDED ROAD or MULTI-LANE ONE-WAY ROAD**
**Work Vehicle more than five (5) metres from an Edge Line**



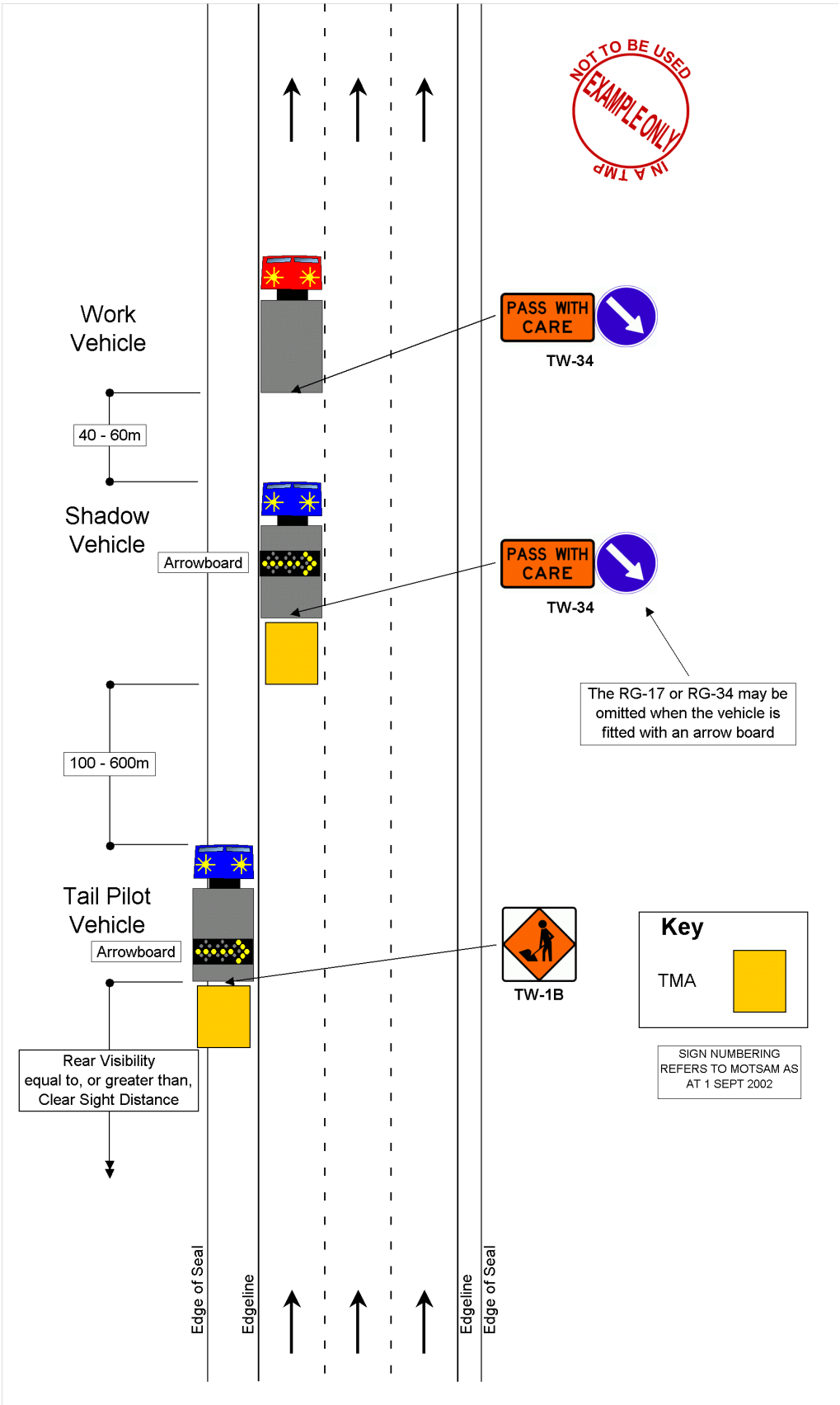

**G2.2: MOBILE CLOSURE - LEVEL 3 ROAD**
**MULTI-LANE DIVIDED ROAD or MULTI-LANE ONE-WAY ROAD**
**Work Vehicle is between two (2) and five (5) metres from an Edge Line, and is not on the Carriageway, and**
**the Rear Visibility is greater than the Clear Sight Distance**




**G2.3: MOBILE CLOSURE - LEVEL 3 ROAD**
**MULTI-LANE DIVIDED ROAD or MULTI-LANE ONE-WAY ROAD**
**Work Vehicle is between two (2) and five (5) metres from an Edge Line, and the Rear Visibility is less than the Clear Sight Distance**




**G2.4: MOBILE CLOSURE - LEVEL 3 ROAD**
**MULTI-LANE DIVIDED ROAD or MULTI-LANE ONE-WAY ROAD**
**Work Vehicle is between zero (0) and two (2) metres from the edge line**




## G2.5: MOBILE CLOSURE - LEVEL 3 ROAD
## MULTI-LANE DIVIDED ROAD or MULTI-LANE ONE-WAY ROAD
## Work Vehicle is on the Carriageway

| Permanent/Temporary Speed Limit | | ♦ 80 km/h | 100 km/h |
|---|---|---|---|
| | | m | m |
| **Traffic Signs** | | | |
| **A** | Sign Visibility Distance | 100 | 120 |
| **C** | Sign Spacing **– Minimum** | 80 | 100 |
| | Sign Spacing **- Desirable** | 160 | 200 |
| **Safety Zones** | | | |
| **D** | Longitudinal * | 45 | 60 |
| **E** | Lateral | | |
| | 1. Behind Cones etc | 1 | 1 |
| | 2. Behind Concrete Barrier | 0.5 | 0.5 |
| | 3. Behind Other Barriers | As per manufacturer's recommendations | |
| **Tapers** | | | |
| **H** | Initial Taper Length Per Lane *** | 150 | 180 |
| **I** | Subsequent Taper Length Per Lane ** | 80 | 100 |
| **K** | Minimum Distance between Tapers | 80 | 100 |
| **Delineation Devices** | | | |
| **Spacing** | **ALL** Tapers | 2.5 | 2.5 |
| | Approaches, between Tapers and around the Working Space | 10 | 10 |
| | At merge and diverge points for ramps and slip lanes, intersecting road entry and exit points, and site accesses points | 2.5m for 20m either side of a change in alignment | |

**Table C2 4: Layout Distances for Level 3 Traffic Management**

* No longitudinal safety zone is required when a barrier completely protects the approach end of the site.

** Only applicable where the taper is a sufficient distance from temporary speed restriction for motorists to have slowed down to the temporary speed. Taper length is based on a single lane shift of 3.5m

*** Taper length is based on a single lane shift of 3.5m

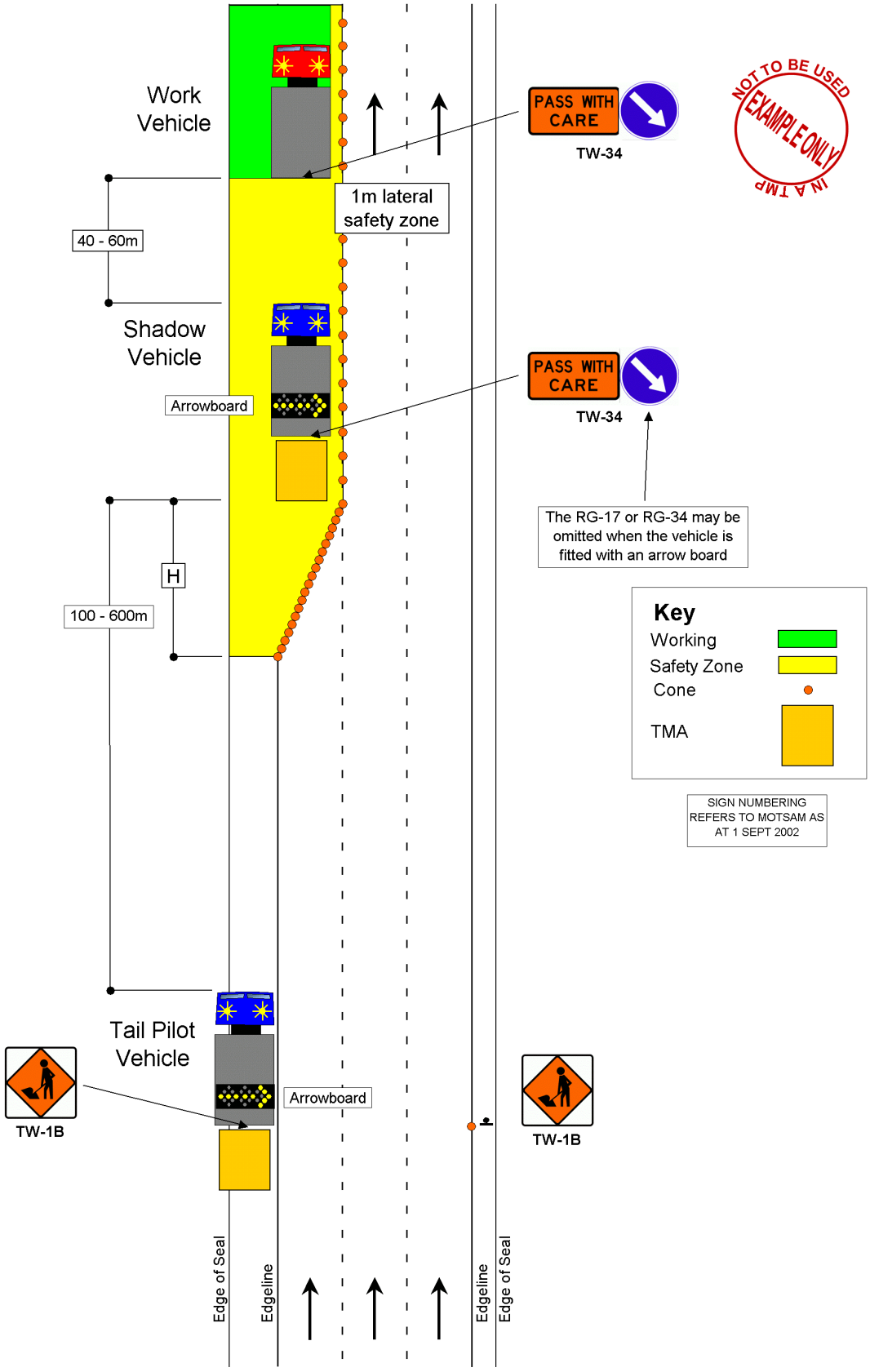
♦ For temporary speeds less than 80 km/h use Table C2.3.

**Minimum Lane Widths**

| Permanent/Temporary Speed | | 30 km/h | 50 km/h | 60 km/h | 70 km/h | 80 km/h | 100 km/h |
|---|---|---|---|---|---|---|---|
| **F** | 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.




**G3.1: SEMI STATIC CLOSURE - MULTI-LANE DIVIDED, or MULTI-LANE ONE-WAY LEVEL 3 ROAD**
**Left Lane Closure**

| Permanent/Temporary Speed Limit | | ♦ 80 km/h | 100 km/h |
|---|---|---|---|
| | | m | m |
| **Traffic Signs** | | | |
| **A** | Sign Visibility Distance | 100 | 120 |
| **C** | Sign Spacing **– Minimum** | 80 | 100 |
| | Sign Spacing **- Desirable** | 160 | 200 |
| **Safety Zones** | | | |
| **D** | Longitudinal * | 45 | 60 |
| **E** | Lateral | | |
| | 1. Behind Cones etc | 1 | 1 |
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| | 3. Behind Other Barriers | As per manufacturer's recommendations | |
| **Tapers** | | | |
| **H** | Initial Taper Length Per Lane *** | 150 | 180 |
| **I** | Subsequent Taper Length Per Lane ** | 80 | 100 |
| **K** | Minimum Distance between Tapers | 80 | 100 |
| **Delineation Devices** | | | |
| **Spacing** | **ALL** Tapers | 2.5 | 2.5 |
| | Approaches, between Tapers and around the Working Space | 10 | 10 |
| | At merge and diverge points for ramps and slip lanes, intersecting road entry and exit points, and site accesses points | 2.5m for 20m either side of a change in alignment | |

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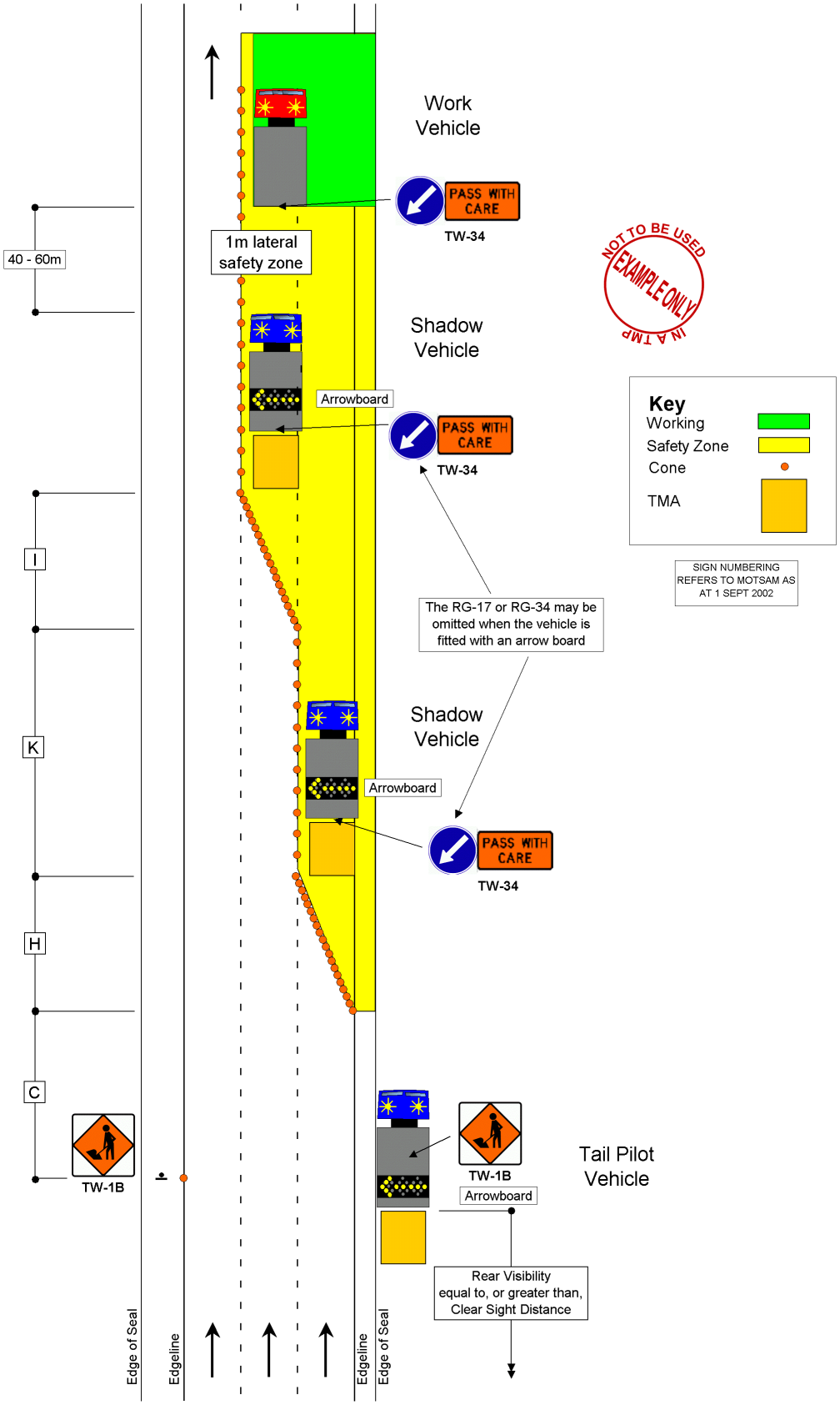


**G3.2: SEMI STATIC CLOSURE - MULTI-LANE DIVIDED, or MULTI-LANE ONE-WAY LEVEL 3 ROAD**
**Right and Centre Lane Closure**

| Permanent/Temporary Speed Limit | | ♦ 80 km/h | 100 km/h |
|---|---|---|---|
| | | m | m |
| **Traffic Signs** | | | |
| **A** | Sign Visibility Distance | 100 | 120 |
| **C** | Sign Spacing **– Minimum** | 80 | 100 |
| | Sign Spacing **- Desirable** | 160 | 200 |
| **Safety Zones** | | | |
| **D** | Longitudinal * | 45 | 60 |
| **E** | Lateral | | |
| | 1. Behind Cones etc | 1 | 1 |
| | 2. Behind Concrete Barrier | 0.5 | 0.5 |
| | 3. Behind Other Barriers | As per manufacturer's recommendations | |
| **Tapers** | | | |
| **H** | Initial Taper Length Per Lane *** | 150 | 180 |
| **I** | Subsequent Taper Length Per Lane ** | 80 | 100 |
| **K** | Minimum Distance between Tapers | 80 | 100 |
| **Delineation Devices** | | | |
| **Spacing** | **ALL** Tapers | 2.5 | 2.5 |
| | Approaches, between Tapers and around the Working Space | 10 | 10 |
| | At merge and diverge points for ramps and slip lanes, intersecting road entry and exit points, and site accesses points | 2.5m for 20m either side of a change in alignment | |

**Table C2 4: Layout Distances for Level 3 Traffic Management**

* No longitudinal safety zone is required when a barrier completely protects the approach end of the site.

** Only applicable where the taper is a sufficient distance from temporary speed restriction for motorists to have slowed down to the temporary speed. Taper length is based on a single lane shift of 3.5m

*** Taper length is based on a single lane shift of 3.5m

♦ For temporary speeds less than 80 km/h use Table C2.3.

**Minimum Lane Widths**

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

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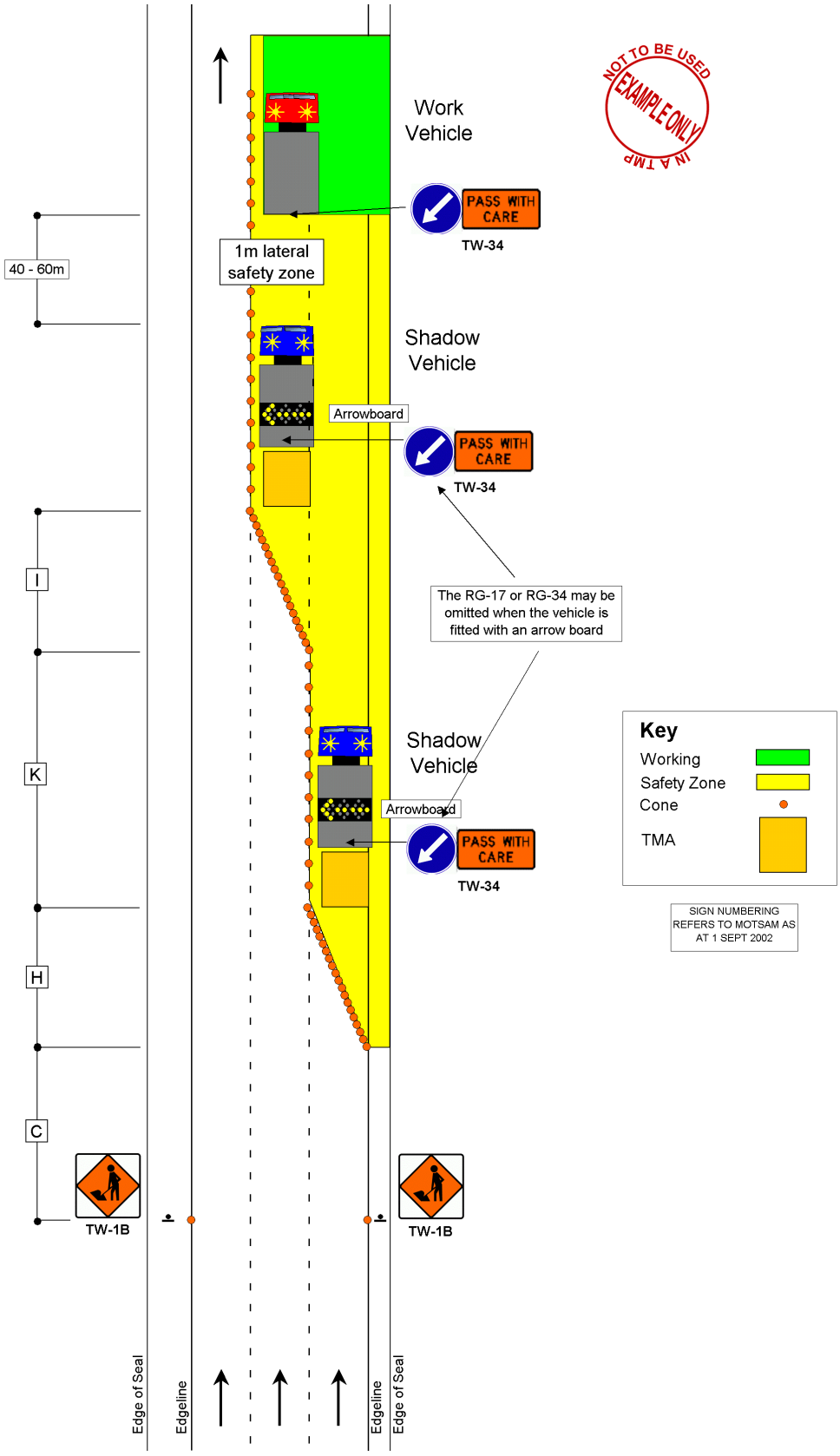


**G3.3: SEMI STATIC CLOSURE - MULTI-LANE DIVIDED, or MULTI-LANE ONE-WAY LEVEL 3 ROAD**
**Right and Centre Lane Closure *(Unplanned emergency work only)***

| Permanent/Temporary Speed Limit | | ♦ 80 km/h | 100 km/h |
|---|---|---|---|
| | | m | m |
| **Traffic Signs** | | | |
| **A** | Sign Visibility Distance | 100 | 120 |
| **C** | Sign Spacing **– Minimum** | 80 | 100 |
| | Sign Spacing **- Desirable** | 160 | 200 |
| **Safety Zones** | | | |
| **D** | Longitudinal * | 45 | 60 |
| **E** | Lateral | | |
| | 1. Behind Cones etc | 1 | 1 |
| | 2. Behind Concrete Barrier | 0.5 | 0.5 |
| | 3. Behind Other Barriers | As per manufacturer's recommendations | |
| **Tapers** | | | |
| **H** | Initial Taper Length Per Lane *** | 150 | 180 |
| **I** | Subsequent Taper Length Per Lane ** | 80 | 100 |
| **K** | Minimum Distance between Tapers | 80 | 100 |
| **Delineation Devices** | | | |
| **Spacing** | **ALL** Tapers | 2.5 | 2.5 |
| | Approaches, between Tapers and around the Working Space | 10 | 10 |
| | At merge and diverge points for ramps and slip lanes, intersecting road entry and exit points, and site accesses points | 2.5m for 20m either side of a change in alignment | |

**Table C2 4: Layout Distances for Level 3 Traffic Management**

* No longitudinal safety zone is required when a barrier completely protects the approach end of the site.

** Only applicable where the taper is a sufficient distance from temporary speed restriction for motorists to have slowed down to the temporary speed. Taper length is based on a single lane shift of 3.5m

*** Taper length is based on a single lane shift of 3.5m

♦ For temporary speeds less than 80 km/h use Table C2.3.

**Minimum Lane Widths**

| Permanent/Temporary Speed | | 30 km/h | 50 km/h | 60 km/h | 70 km/h | 80 km/h | 100 km/h |
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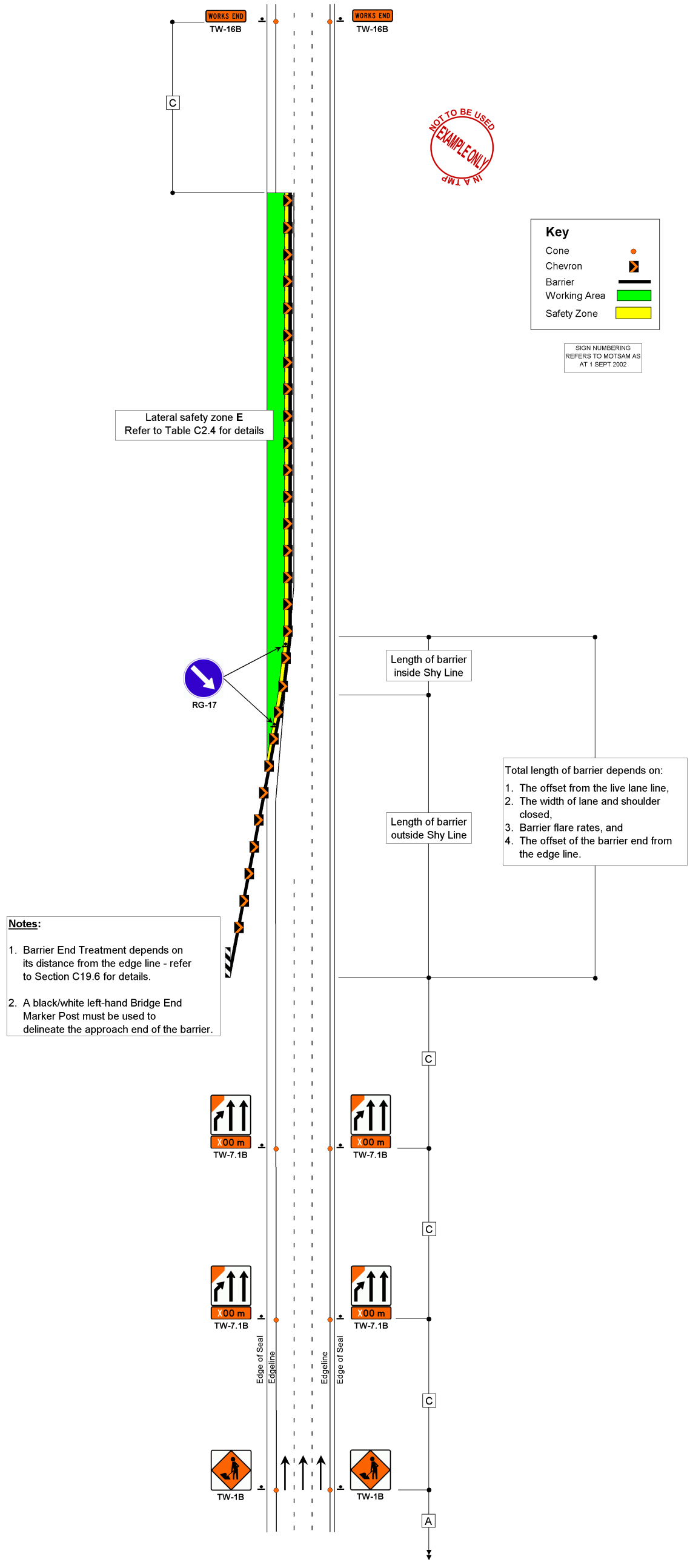


**G4.1: LONG TERM CLOSURE - MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY LEVEL 3 ROAD**
**Left Lane Closure**

| Permanent/Temporary Speed Limit | | ♦ 80 km/h | 100 km/h |
|---|---|---|---|
| | | m | m |
| **Traffic Signs** | | | |
| **A** | Sign Visibility Distance | 100 | 120 |
| **C** | Sign Spacing **– Minimum** | 80 | 100 |
| | Sign Spacing **- Desirable** | 160 | 200 |
| **Safety Zones** | | | |
| **D** | Longitudinal * | 45 | 60 |
| **E** | Lateral | | |
| | 1. Behind Cones etc | 1 | 1 |
| | 2. Behind Concrete Barrier | 0.5 | 0.5 |
| | 3. Behind Other Barriers | As per manufacturer's recommendations | |
| **Tapers** | | | |
| **H** | Initial Taper Length Per Lane *** | 150 | 180 |
| **I** | Subsequent Taper Length Per Lane ** | 80 | 100 |
| **K** | Minimum Distance between Tapers | 80 | 100 |
| **Delineation Devices** | | | |
| **Spacing** | **ALL** Tapers | 2.5 | 2.5 |
| | Approaches, between Tapers and around the Working Space | 10 | 10 |
| | At merge and diverge points for ramps and slip lanes, intersecting road entry and exit points, and site accesses points | 2.5m for 20m either side of a change in alignment | |

**Table C2 4: Layout Distances for Level 3 Traffic Management**

* No longitudinal safety zone is required when a barrier completely protects the approach end of the site.

** Only applicable where the taper is a sufficient distance from temporary speed restriction for motorists to have slowed down to the temporary speed. Taper length is based on a single lane shift of 3.5m

*** Taper length is based on a single lane shift of 3.5m

♦ For temporary speeds less than 80 km/h use Table C2.3.

**Minimum Lane Widths**

| Permanent/Temporary Speed | | 30 km/h | 50 km/h | 60 km/h | 70 km/h | 80 km/h | 100 km/h |
|---|---|---|---|---|---|---|---|
| **F** | Minimum Lane Width | 2.75 m | 3.00 m | 3.00 m | 3.25 m | 3.25 m | 3.50 m |

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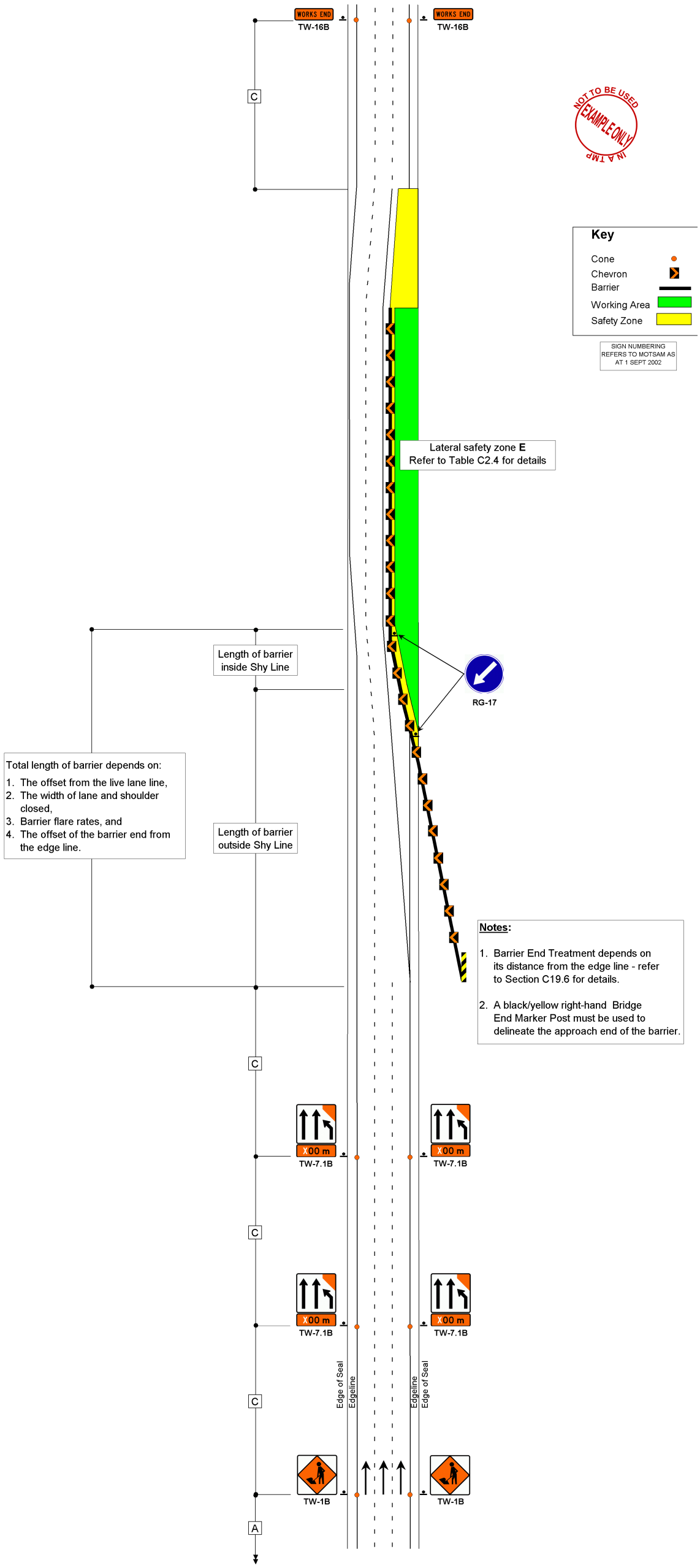


**G4.2: LONG TERM CLOSURE - LEVEL 3 ROAD**
**MULTI-LANE DIVIDED or MULTI-LANE ONE-WAY ROAD**
**Right Lane Closure**

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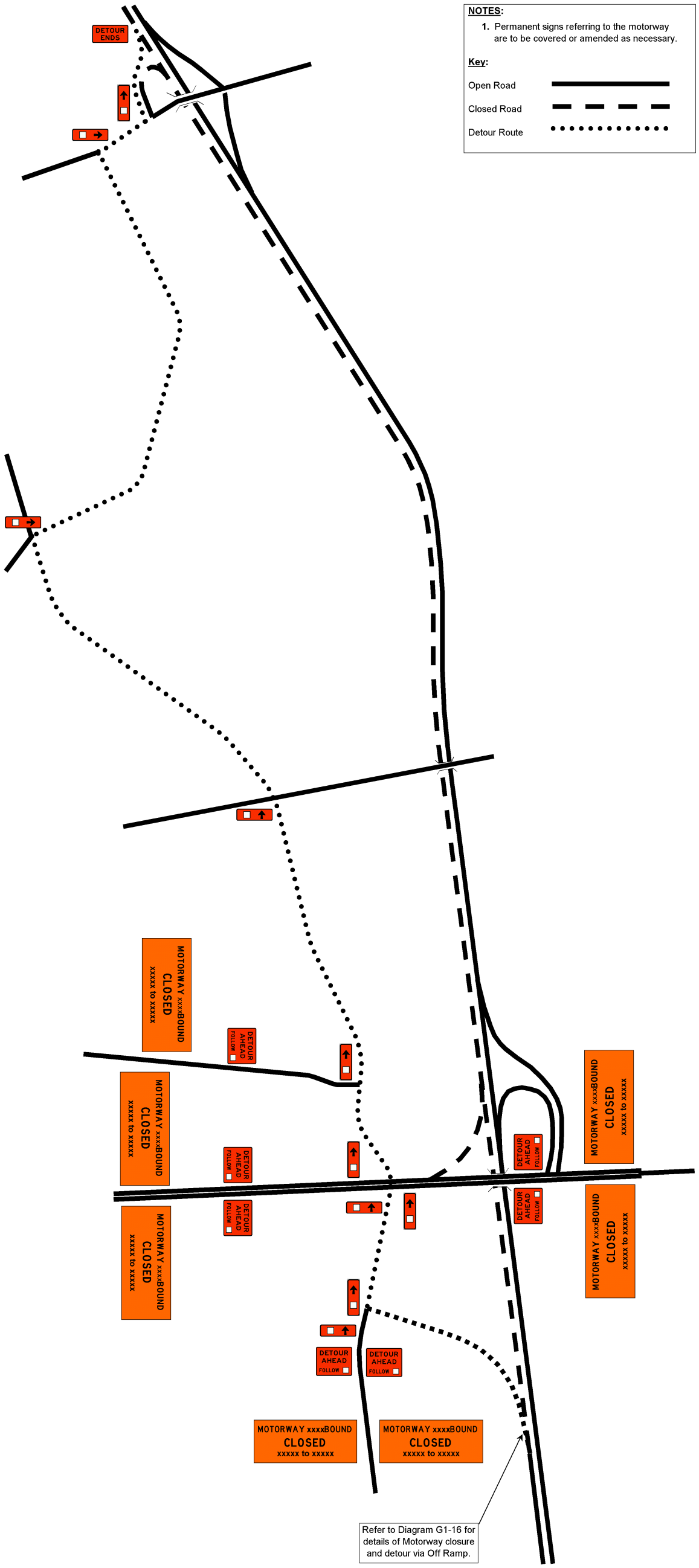


**G4.3: MOTORWAY CLOSURE - LEVEL 3 ROAD**
**Typical Detour Route Signing**

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