

## Safe Work Instruction

### Lookout working Worksite Protection for Yennora to Cabramatta routine network maintenance activities



|  |   |                 |     |
|--|---|-----------------|-----|
| <b>DOCUMENT NO.</b>                                    | D2021/26077   |                 |     |
| <b>WORK DESCRIPTION</b>                                | Routine network maintenance activities – Yennora to Cabramatta (lookout working)  |                 |     |
| <b>WPP Number</b>                                      | SW4B 10108  | <b>SAP Code</b> | N/A |
| <b>SCOPE:</b>  | <p>This SWI is applicable for the worksite protection arrangements using lookout working concerning routine network maintenance, defect management and repair of assets within the limits specified below and in the attached plan.</p> <p>Work activities include:</p> <ul style="list-style-type: none"> <li>Routine preventative and corrective work such as inspections and maintenance as appropriate for the type of protection being applied as part of this plan.</li> </ul>  |                 |     |
| <b>AUTHORISATIONS:</b>                                 | <p><b>Protection Officer:</b></p> <ul style="list-style-type: none"> <li>Protection Officer Level 1 or higher</li> </ul> <p><b>Lookout:</b></p> <ul style="list-style-type: none"> <li>Handsignaller Level 1 or higher, Protection Officer Level 1 or higher.</li> </ul>  |                 |     |
| <b>SAFETY CONTROLS – Lookout Working arrangements:</b> | <p>The nominated worksite location is:<br/> <b>Up &amp; Down Old main south lines between YA 3 Signal and 121 points Cabramatta, including the Up and Down Main South Lines and the Yennora Wool Siding.</b></p> <p>As work moves along the track, the Protection Officer must assess the new location and:</p> <ul style="list-style-type: none"> <li>Establish Lookouts as required to watch for approaching rail traffic from all entry points</li> <li>Designate and instruct which safe places the workers are to use as the work is completed along the work route within the worksite limits.</li> </ul> |                 |     |
| <b>PRESTART REQUIREMENTS:</b>                          | <p>Protection Officer assessment checklist must be completed before instructions in this SWI are followed.</p> <p>Tools and equipment required:</p> <ul style="list-style-type: none"> <li>Protection Officer requires a phone to contact the Signaller.</li> <li>Lookouts require a high-visibility arm sleeve and a whistle / horn.</li> </ul>  |                 |     |
| <b>FURTHER INFORMATION:</b>                            | <p><i>NWT 300 Planning work in the Rail Corridor</i></p> <p><i>NWT 310 Lookout Working</i></p> <p><i>NPR 711 Using Lookouts</i></p> <p><i>NPR 751 Calculating Minimum Warning Time</i></p> <p><i>NPR 712 Protecting work from rail traffic on adjacent lines</i></p> <p><i>Lookout Working prohibited locations register</i></p>  |                 |     |

**Safe Work Instruction****Lookout working Worksite Protection for Yennora to Cabramatta routine network maintenance activities****Protection Officer assessment checklist**

|   |                                     |                                    |
|---|-------------------------------------|------------------------------------|
| <b>Protection Officer name:</b>   |                                     | <b>Yes</b><br><i>(Tick if Yes)</i> |
| This document is still current at the time of its application? (up to 12 months from the document issue date)   |                                     |                                    |
| SWI details and protection arrangements have been reviewed and validated for the assessed worksite location, including: <ul style="list-style-type: none"> <li>On-site safety assessment has been completed for relevancy of works being undertaken</li> <li>The required protection details, environment and tasks are unchanged from the details of this SWI</li> </ul> |                                     |                                    |
| <ul style="list-style-type: none"> <li>The Protection Officer and Qualified Workers deploying qualifications are current and have practiced in the last 6 months. If not practiced, then a Rail Safety Coach must be contacted for guidance.</li> </ul>   |                                     |                                    |
| <b>Corridor Safety Number</b>   | <b>Protection Officer Signature</b> | <b>Date</b>                        |
|   |                                     |                                    |

**Warning**

*If an above item does not apply, the Protection Officer must not use this Safe Work Instruction. A new worksite protection plan must be completed in accordance with NRF 014 Worksite Protection Pre-work briefing and NRF 015 Worksite Protection Plan.*

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#### Worksite Protection Pre-work Briefing

Briefing date:  /  /

#### Protection Officer Details

name  signature  contact No.

Work location:

Scope of work:

Worksite protection:  Refer to Worksite Protection Plan for details

| Hazards (e.g. Site specific hazards identified, including physical environment, human errors, plant and equipment) | Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level)  | Person responsible for Control |
|--|---|--------------------------------|
| <ul style="list-style-type: none"> <li>Struck by rail traffic</li> </ul>   | <p>Lookouts must be trained and competent to perform lookout duties.</p> <p>Lookouts must be rotated if performing lookout for extended periods of time</p> <p>Workers to remain within worksite limits as set out in this procedure.</p> <p>Lookouts must be placed as per protection plan on page 8.</p> <p>Workers are to stop work and move to a safe place immediately on being warned by the lookouts</p> | Protection Officer & Lookout   |
| <ul style="list-style-type: none"> <li>Live adjacent lines</li> </ul>  | <p>Lookouts must provide warning to workers when rail traffic is approaching from the adjacent line in either direction.</p>  | Protection Officer & Lookout   |
| <ul style="list-style-type: none"> <li>Two - way running / multiple entry points into worksite</li> </ul>          | <p>One Lookout placed watching each direction before work starts. Lookouts are to warn workers of approaching rail traffic, including rail traffic entering or travelling within the worksite. Workers are to stop work and move to a safe place.</p>   | Protection Officer & Lookout   |
| <p><b>Obstruction to Minimum Sighting Distance</b></p>   | <p>Lookouts must provide warning to the workers whenever their line of sight is obstructed by passing rail traffic. Workers must stop work and move to a safe place and reassess positioning and method</p>   | Protection Officer & Lookout   |
| <p><b>Adjoining/Surrounding Worksites</b></p>  | <p>Lookouts must have two independent audible warning devices that can be heard by workers over any noise generated by adjoining/surrounding worksites.</p> <p>Lookouts are to provide warning if their line of sight is obstructed by adjoining/surrounding worksites.</p>   | Protection Officer & Lookout   |
| <p><b>Access to / Egress from worksite</b></p> <p><b>Slips, trips, falls and hazards carrying equipment</b></p>    | <p>Access and egress points must be agreed prior to entering the danger zone, consideration should be given to ease of access and safest possible entry and exit points.</p> <p>Protection Officer will assess and instruct when it is safe for workers to use <i>NGE 200 Walking in the Danger Zone</i> to move to the worksite or safe place.</p>   | All                            |





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### Worksite Protection Plan – Lookout Working

#### Signaller Details

|                                   |   |   |
|-----------------------------------|---|---|
| <input type="text" value="name"/> | <input type="text" value="Sefton Panel"/> | <input type="text" value="02 8568 3467"/> |
|-----------------------------------|---|---|

#### Protection Officer Details

|   |  |  |
|---|--|--|
| <input type="text" value="name"/>           | <input type="text" value="signature"/>   | <input type="text" value="contact No."/> |
| <input type="text" value="RSW or RIW No."/> | <input type="text" value="designation"/> | Planned duration <input type="text"/>    |

Workplace Supervisor details:

Type of work:

#### Worksite Location

|         |   |  |
|---------|---|--|
| On the  | <input type="text" value="Up Old Main South line, Down Old Main South Line, Down Main South Line &amp; Yennora Wool Siding"/> |  |
| between | <input type="text" value="YA 3 Signal (Yennora)"/>  | and <input type="text" value="121 Points (Cabramatta)"/> |

#### Worksite Assessment

Has the Lookout Working Prohibited Locations Register been consulted? Yes

#### Warning method

|   |  |
|---|--|
| <input type="text" value="Whistle/Horn"/> | <input type="text" value="Voice/Touch"/> |
|---|--|

#### Minimum Warning Time Calculations

Maximum track speed

|                                     |                                |                      |  |    |  |   |
|-------------------------------------|--------------------------------|----------------------|--|----|--|---|
| Number of Lookouts used             | <input type="text" value="2"/> | Position of Lookouts | <input type="text" value="26.708 km"/> | to | <input type="text" value="31.820 km"/> | <b>Note</b> - Lookouts are relocated to positions within these km's as workers move along the worksite. |
| Number of additional Lookouts* used | <input type="text" value="0"/> | Position of Lookouts | <input type="text" value="km"/>        |    |  |   |

|                                    |   |                                    |   |   |                              |                                     |                                      |  |  |  |
|------------------------------------|---|------------------------------------|---|---|------------------------------|-------------------------------------|--------------------------------------|--|--|--|
| <input type="text" value="2 sec"/> | + | <input type="text" value="3 sec"/> | + | <input type="text" value="10 sec"/>         | = Minimum Warning Time (MWT) | <input type="text" value="15 sec"/> | <input type="text" value="100km/h"/> | <input type="text" value="417 metres"/>                | * Add an additional 5 seconds of See Time if an additional Lookout is used |  |
| <input type="text" value="2 sec"/> | + | <input type="text" value="3 sec"/> | + | <input type="text" value="10 sec"/>         |                              | <input type="text" value="15 sec"/> | <input type="text" value="25 km/h"/> | <input type="text" value="105 metres"/>                |  | <b>Note</b> – Additional MWT calculations can be recorded in the Protection Officer's Diary. |
| <input type="text" value="2 sec"/> | + | <input type="text" value="3 sec"/> | + | <input type="text" value="10 sec"/>         |                              | <input type="text" value="15 sec"/> | <input type="text" value="80 km/h"/> | <input type="text" value="334 metres"/>                |  |  |
| <input type="text" value="2 sec"/> | + | <input type="text" value="3 sec"/> | + | <input type="text" value="10 sec"/>         |                              | <input type="text" value="15 sec"/> | <input type="text" value="40 km/h"/> | <input type="text" value="167 metres"/>                |  |  |
| <small>See Time (S)</small>        |   | <small>Move Time (M)</small>       |   | <small>Safe Time (S+M+10 sec = MWT)</small> |                              | <small>Track speed</small>          |                                      | <small>Minimum Sighting Distance as calculated</small> |  |  |

#### Where are the safe places identified for the Lookouts and the workers?

Lookouts:

Workers:

Ensure the workers have been briefed about these work details Yes

**Lookout working Worksite Protection for Yennora to Cabramatta routine network maintenance activities**

**INSTRUCTIONS:**

1. Workers enter rail corridor via **access gate**
2. Protection Officer contacts Sefton Panel and tells the Signaller about the use of Lookout Working between **Yennora and Cabramatta** on the **Up and Down Old Main South lines** between **YA 3 Signal Yennora and 121 points Cabramatta**, including the **Up and Down Main South lines** and the **Yennora Wool Siding**.
3. Protection Officer briefs workers and lookouts on protection arrangements
4. Protection Officer places Lookouts watching for rail traffic approach in both directions at the designated locations.
5. Workers start work, working up to the designated Lookouts location.
6. Workers move to a safe place.
7. Repeat steps 4 – 6 until work is complete work.
8. Recall Lookouts
9. Protection Officer contacts the Signaller at Sefton Panel to end Lookout Working.

**ADDITIONAL DETAILS:**

Obstruction to Lookout’s Minimum Sighting Distance

Rail traffic coming to and from, or stabled in **Fairfield Station** may impede the Lookout’s Minimum Sighting Distance for a short portion of the work route.

A Lookout is placed for each direction of rail traffic approach and provide warning for any rail traffic approach.

Workers must move into a safe place upon a Lookout providing warning regardless of which line the rail traffic is approaching on.

Lookouts must provide warning to workers when Minimum Sighting Distance is impeded by rail traffic on adjacent lines. All workers must remain in a safe place until Lookouts regain Minimum Sighting Distance.

No safe place within platform limits

Workers must not enter the Danger Zone within the limits of any platforms at **Fairfield Station**.

Lookout Working Prohibited Locations

Workers must not enter the Danger Zone on the:

- Up Old Main South line between **28.900 km and 29.200 km**, and
- Down Old Main South line between **29.000 km and 29.400 km**.

LOOKOUTS

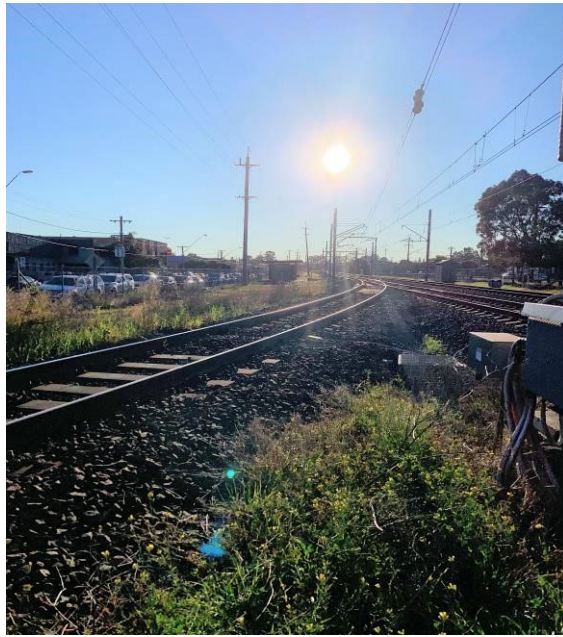


Image 1: View towards City (Guildford Station) and 52 points at the Pedestrian Level Crossing on the Yennora Wool Siding.

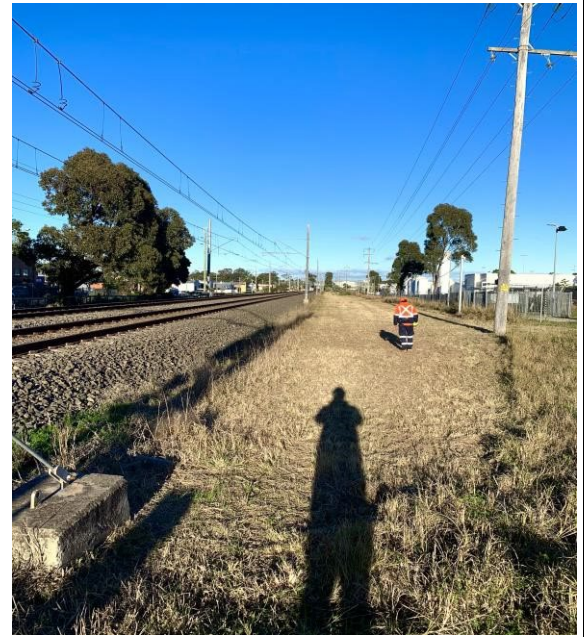


Image 2: View towards Country (Yennora Station) near Pedestrian Level Crossing on the Yennora Wool Siding.



Image 3: View towards Pedestrian Level Crossing from Yennora Wool Siding.

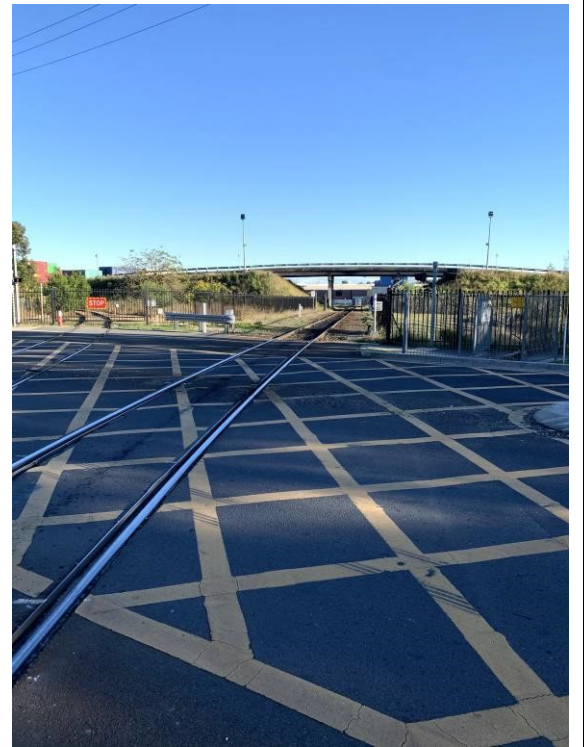


Image 4: View towards Yennora Wool Siding at Military Road Level Crossing.



Diagram

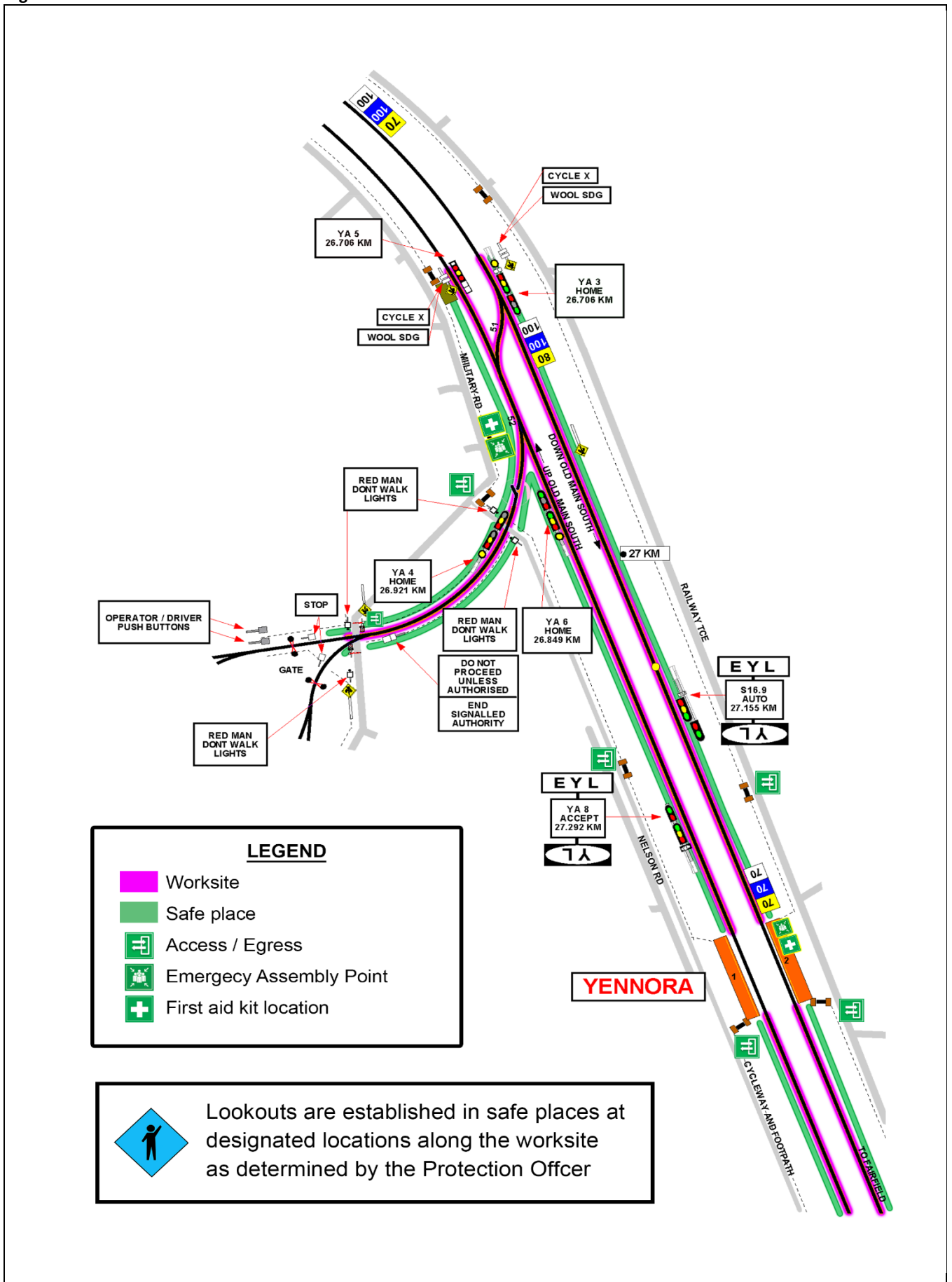
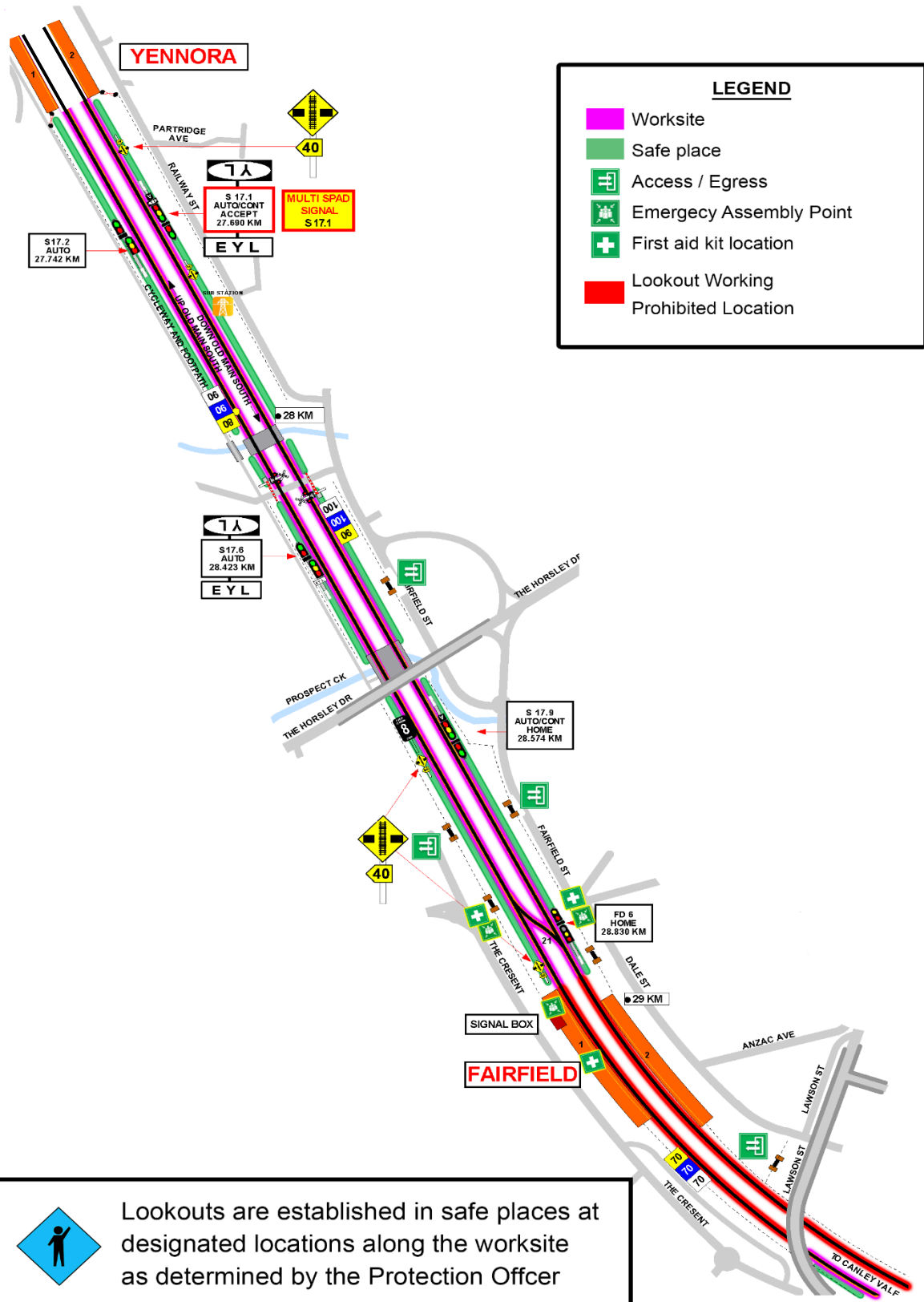


Diagram Cont.



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Diagram cont.

