

|             |                                                               |
|-------------|---------------------------------------------------------------|
| Notice type | National Notice                                               |
| Title       | NCCS - Caragabal - Mid-Western Highway Level Crossing Upgrade |

AFFECTED AREA

|                 |                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------|
| Network Control | Control Centre<br>NCCS (Juee)<br>Boards<br>TOCO                                                      |
| Network Area    | Corridor<br>Stockinbingal to Parkes<br>Locations<br>Caragabal<br>Kilometrage<br>533.981 - 537.457 km |

EFFECTIVE PERIOD

|               |                                           |                                      |
|---------------|-------------------------------------------|--------------------------------------|
| Date and time | From/at<br>Sat, 12 Sep 2026<br>06:00 AEST | To<br>Thu, 11 Mar 2027<br>07:00 AEDT |
|---------------|-------------------------------------------|--------------------------------------|

REFERENCE DOCUMENTS

|                         |           |
|-------------------------|-----------|
| Other notices           | Empty     |
| Train Alteration Advice | Empty     |
| Route Access Standards  | Empty     |
| NIBs                    | OGW-30-01 |

OPERATING CONDITIONS (GENERAL DETAILS)

Between 0600hrs 12th September 2026 and 1800hrs 15th September 2026, or until the works are completed, Infrastructure Projects will undertake the following infrastructure alterations at Caragabal:

- Upgrades to Mid-Western Highway Level Crossing (road - 535.181km & pedestrian - 535.189km).
  - Currently the road crossing is a Type F with flashing lights only and will change to a Type F with flashing lights, bells and booms.
  - Currently the pedestrian crossing is passive maze and will change to include flashing lights and standing pedestrian red "Don't Walk" signals.
- Replacement and upgrade to one (1) existing Main Line Indicator.
- Installation of one (1) new Main Line Indicator.
- Changes and additions to track side signage.
- Conversion from DC track circuits to axle counters.

**SIGNALLING & INDICATORS**

The following existing infrastructure will be altered:

| ID No. | Track | Facing Direction | Current KM | New KM  | Description / Form & Signal Aspects / Additional Details                                                                                                                                                                                                                                                                                                                                       |
|--------|-------|------------------|------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| X MLI  | Main  | Up               | 535.186    | 535.206 | Remove of existing MLI.<br>Replacement to be located 20 metres further in the down direction.<br>Two (2) aspect MLI. <ul style="list-style-type: none"><li>• Clear – Pulsating White</li><li>• Stop – Red</li></ul> X MLI Pushbutton mounted to the MLI post. <ul style="list-style-type: none"><li>• Clear - for setting to proceed aspect</li><li>• Cancel - for restoring to stop</li></ul> |

**SIGNALLING & INDICATORS**

The following new infrastructure will be installed, commissioned and booked into use:

| ID No. | Track | Facing Direction | KM      | Description / Form & Signal Aspects / Additional Details                                                                                                                                                                                                                                                                                                                                     |
|--------|-------|------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y MLI  | Main  | Up               | 536.292 | Two (2) aspect MLI. <ul style="list-style-type: none"><li>• Clear – Pulsating White</li><li>• Stop – Red</li></ul> Y MLI Pushbutton mounted to the MLI post. <ul style="list-style-type: none"><li>• Clear - for setting to proceed aspect</li><li>• Cancel - for restoring to stop</li><li>• Timer Light - indicates 120 second counter to prevent unintended crossing activation</li></ul> |

**TRACKSIDE SIGNAGE**

The following existing infrastructure will be altered:

| Signage Type | Track | Facing Direction | Current KM | New KM  | Description / Additional Details                                                                        |
|--------------|-------|------------------|------------|---------|---------------------------------------------------------------------------------------------------------|
| W7-4B        | Main  | Down             | 534.369    | 534.075 | Relocation of Mid-Western Highway Level Crossing approach warning sign for down direction rail traffic. |
| W7-4B        | Main  | Up               | 535.942    | 536.292 | Relocation of Mid-Western Highway Level Crossing approach warning sign for up direction rail traffic.   |

**TRACKSIDE SIGNAGE**

The following new infrastructure will be installed, commissioned and booked into use:

| Signage Type     | Track | Facing Direction | New KM  | Description / Additional Details                                                                                                                                                                                                                                                                                                         |
|------------------|-------|------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| W7-4B            | Loop  | Up               | 535.350 | Mid-Western Highway Level Crossing approach warning sign for up direction rail traffic departing from the Loop Line and Sidings through B Frame.                                                                                                                                                                                         |
| Stop Sign        | Loop  | Up               | 535.350 | Stop Sign for rail traffic departing the Loop in the up direction.<br>Will be placed adjacent to the W7-4B sign.                                                                                                                                                                                                                         |
| Prohibitive Sign | Loop  | Up               | 535.350 | Sign to remind Rail Traffic Crews to ensure the level crossing warning is active for the Mid Western Highway Level Crossing before they proceed any further forward.<br><i>Reads - "Operate Level Crossing Before Proceeding"</i><br>Will be affixed to the Stop Sign at this same location.                                             |
| Axle Counter     | Main  | Down             | 534.075 | Axle Counter sign.<br>Will be affixed to the W7-4B sign at this same location.                                                                                                                                                                                                                                                           |
| Axle Counter     | Main  | Both             | 535.161 | Double sided Axle Counter sign.                                                                                                                                                                                                                                                                                                          |
| Axle Counter     | Main  | Both             | 535.206 | Double sided Axle Counter sign.                                                                                                                                                                                                                                                                                                          |
| Axle Counter     | Loop  | Up               | 535.350 | Axle Counter sign.<br>Will be affixed to the W7-4B sign at this same location                                                                                                                                                                                                                                                            |
| Axle Counter     | Main  | Down             | 536.292 | Axle Counter sign.<br>Will be affixed to the W7-4B sign at this same location.                                                                                                                                                                                                                                                           |
| Prohibitive Sign | Main  | Down             | 535.161 | Sign to Competent Workers operating Road-Rail Vehicles travelling in the down direction that they are not to 'off track' at the Mid Western Highway Level Crossing.<br><i>Reads - "Road-Rail Vehicles must not be placed on or off tracks at this level crossing"</i><br>Will be affixed to the Axle Counter sign at this same location. |
| Prohibitive Sign | Main  | Up               | 535.206 | Sign to Competent Workers operating Road-Rail Vehicles travelling in the up direction that they are not to 'off track' at the Mid Western Highway Level Crossing.<br><i>Reads - "Road-Rail Vehicles must not be placed on or off tracks at this level crossing"</i><br>Will be affixed to the Axle Counter sign at this same location.   |

**PERMANENT SPEED SIGNS**

The following existing infrastructure will be booked out of use and permanently removed:

| Track | Facing Direction | Kilometres | Speed | Description / Additional Details                                                                                                                                                                                                                         |
|-------|------------------|------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main  | Up               | 536.000    | 110   | Removal of the 110km/h Level Crossing Warning Sign in advance of the Mid Western Highway Level Crossing.<br>No longer required due to the associated level crossing upgrades.<br>Return to normal track speed based on other existing permanent signage. |

**TRACK SIDE EQUIPMENT**

The following existing infrastructure will be altered:

| Equipment       | Kilometres | Description / Additional Details                                                                                                 |
|-----------------|------------|----------------------------------------------------------------------------------------------------------------------------------|
| Duplex Lock B   | 535.273    | Holds the key to operate Frame B.<br>Once upgraded when the key is removed it will put Y MLI to Stop (red) indication.           |
| Duplex Lock C   | 535.988    | Holds the key to operate Frames C and E.<br>Once upgraded when either key is removed it will put Y MLI to Stop (red) indication. |
| Switch Detector | 535.273    | Frame B (2BA) electrical switch detector.                                                                                        |
| Switch Detector | 535.988    | Frame C (2CA) electrical switch detector.                                                                                        |
| Switch Detector | 536.152    | Frame E (2EA) electrical switch detector.                                                                                        |

**LEVEL CROSSING**

The following existing infrastructure will be altered:

| Equipment  | Kilometres | Description / Additional Details                                                                                                         |
|------------|------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Pushbutton | 535.170    | Shunters Pushbutton for Mid-Western Highway Level Crossing.<br>Will be post mounted on the up side of the level crossing.                |
| Pushbutton | 535.270    | Shunters Pushbutton for Mid-Western Highway Level Crossing.<br>Will be post mounted on the down side of the level crossing near Frame B. |

**LEVEL CROSSING**

The following existing infrastructure will be booked out of use and permanently removed:

| Equipment       | Kilometres | Description / Additional Details                      |
|-----------------|------------|-------------------------------------------------------|
| Flashing Lights | 535.171    | Existing up side RX5 flashing lights configuration.   |
| Flashing Lights | 535.185    | Existing down side RX5 flashing lights configuration. |

| LEVEL CROSSING                                                                        |            |                                                                                                      |
|---------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------|
| The following new infrastructure will be installed, commissioned and booked into use: |            |                                                                                                      |
| Equipment                                                                             | Kilometres | Description / Additional Details                                                                     |
| Half Boom, Bell & Flashing Lights                                                     | 535.171    | Up side RX5 Boom Arm, Warning Bell, Flashing Lights ( <i>EFGH</i> ).                                 |
| Flashing Lights                                                                       | 535.172    | Up side Auxiliary RX5 Flashing Lights ( <i>JK</i> ).                                                 |
| Half Boom, Bell & Flashing Lights                                                     | 535.185    | Down side RX5 Boom Arm, Warning Bell, Flashing Lights ( <i>ABCD</i> ).                               |
| Flashing Lights & Standing Pedestrian Signal                                          | 535.187    | Up side RX12 Flashing Lights and pedestrian red "Don't Walk" signal.                                 |
| Flashing Lights & Standing Pedestrian Signal                                          | 535.187    | Down side RX12 Flashing Lights and pedestrian red "Don't Walk" signal.                               |
| Signaling Equipment Room (SER)                                                        | 535.223    | Signaling location hut located adjacent to the level crossing. (referenced as XING HUT on diagrams). |
| Test Switch                                                                           | 535.223    | In-field test switch - located at SER                                                                |
| Emergency Switch                                                                      | 535.223    | In-field emergency switch for road crossing - located at SER                                         |
| Pedestrian Emergency Switch                                                           | 535.223    | In-field emergency switch for pedestrian crossing - located at SER                                   |
| Manual Operation Switch                                                               | 535.223    | In-field manual operation switch - located at SER                                                    |

**TRAIN DETECTION**

The following new infrastructure will be commissioned and booked into use:

| ID  | Kilometres | Track | Description / Details                                                                                |
|-----|------------|-------|------------------------------------------------------------------------------------------------------|
| DXT | 534.075    | Main  | DXT Axle Counter.<br>Main line strike in point for down direction movements.                         |
| XT  | 535.161    | Main  | XT Axle Counter.<br>Strike out point for up direction clearance of the level crossing.               |
| XT  | 535.206    | Main  | XT Axle Counter.<br>Strike out point for down direction clearance of the level crossing.             |
| UXT | 535.350    | Loop  | UXT Axle Counter.<br>Strike in point for up direction departure from the Loop Line via Frame B.      |
| UXT | 535.350    | Goods | UXT Axle Counter.<br>Strike in point for up direction departure from the Goods Siding via Frame B.   |
| UXT | 535.927    | Loop  | UXT Axle Counter.<br>Strike in point for down direction departure from the Loop Line via Frame C.    |
| UXT | 536.100    | Goods | UXT Axle Counter.<br>Strike in point for down direction departure from the Goods Siding via Frame E. |
| UXT | 536.292    | Main  | UXT Axle Counter.<br>Main line strike in point for up direction movements.                           |

The following new infrastructure will be commissioned and booked into use:

| Equipment   | Kilometres | Notes                                                                                      |
|-------------|------------|--------------------------------------------------------------------------------------------|
| Reset Panel | 535.223    | In-field Axle Counter Reset Switch.<br>Located inside the Signalling Equipment Room (SER). |

**Note:** Axle counters will be installed to replace existing all the DC track circuits for detection of rail traffic between 534.075 - 536.292km.

**Note:** Testing and commissioning of the signalling infrastructure will involve route-setting, signal & aspect testing, and track circuit testing activities.

**SAFeworking Arrangements**

All work must be carried out as per the appropriate ARTC Network Rules and Procedures.

As required an Infrastructure Booking Advice (ANRF 003) must be compiled as per ARTC Rules and Procedures NSFW 312 Infrastructure Booking Advice & NSFP 704 Using Infrastructure Booking Advices.

The upgraded equipment at Mid-Western Highway Level Crossing will be remotely monitored by Brodersen. With the installation and system updates occurring within the possession window. Consistent with the management of other level crossings, the status of this level crossing and any alarms data will be relayed to 4Site, and from there passed along to the Network Control Alarm Interface (NCAI) on the TOCO Control Board at NCCS Junee.

ADDITIONAL DETAILS

This Notice will serve as an amendment to both the Network Information Book and the Route Access Standard for the infrastructure changes as detailed above, as well as the additional information below.

**Amendments to Network Information Book (NIB):****OGW-30-01 – Broken Hill to Stockinbingal (exc) and Bogan Gate to Bogan Gate North****Section 1.7 Level Crossings***Update Table.*

|                      | Goobang Junction to Stockinbingal |             |                               |                        |         |              |        |                            |
|----------------------|-----------------------------------|-------------|-------------------------------|------------------------|---------|--------------|--------|----------------------------|
|                      | ALCAM ID                          | Cerberus ID | Road Name                     | Line Segment           | KM      | Traffic Type | Access | Control Type               |
| <b>DELETE:</b>       | 1138                              | 236         | Mid Western Highway Caragabal | Stockinbingal - Parkes | 535.181 | Road         | Public | Primary Flashing Lights    |
| <b>REPLACE WITH:</b> | 1138                              | 236         | Mid Western Highway Caragabal | Stockinbingal - Parkes | 535.181 | Road         | Public | Half Booms Flashing Lights |
|                      | 1138                              | 236         | Mid Western Highway Caragabal | Stockinbingal - Parkes | 535.189 | Pedestrian   | Public | Flashing Lights            |

**Section 2.28 Caragabal (CGB)**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ADD:</b>          | <p><i>Under existing subheading</i></p> <p><b>General Arrangements</b></p> <p>Main Line Indicator (MLI) "X" (535.217km) is located on the country (Parkes) end of the Mid-Western Highway Level Crossing, and Main Line Indicator "Y" (536.302km) is located on the country (Parkes) end of E Frame. Both MLIs have pushbuttons attached to them.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ADD:</b>          | <p><i>New subheading</i></p> <p><b>Operation of Points and Main Line Indicators</b></p> <p>X and Y (MLI) pushbutton panels contain two pushbuttons (Indicator Clear and Indicator Cancel). The MLIs will normally display a pulsating white aspect and when a rail traffic occupies the approach track circuit, the MLI will continue to display a pulsating white aspect provided all other signalling conditions are satisfied. When the pulsating white indications are displayed this will allow up direction main line rail traffic to pass through Caragabal at permitted line speed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>DELETE:</b>       | <p><b>Mid-Western Highway Level Crossing</b></p> <p>Type F flashing lights and bells are provided at Mid-Western Highway level crossing at 535.187km. The warning equipment is automatically controlled by track circuit for Down and Up trains. It is also manually controlled by an operator pushbutton unit for trains departing the Loop line or shunting the Wheat siding at the Bribbaree end. Operator's pushbutton unit for the level crossing. An operator's pushbutton unit is provided in a box inscribed "Shunter's switch", which is attached to a post on each side of the level crossing located next to frame B. When a train is to enter or depart the Loop line at the Bribbaree end, or when a shunting movement from the Wheat siding is required to obstruct the level crossing, the Competent Worker must unlock the operator's pushbutton unit and depress the "Start" pushbutton for one second to cause the warning equipment to operate, before handsignalling the train over the crossing. The indications will be cancelled automatically when the rear of the shunting movement has cleared the level crossing. If the movement does not proceed, the warning indications must be cancelled by pressing the "Cancel" pushbutton in either operator's pushbutton unit for one second. The operator's pushbutton unit must be kept closed and secured by an SL lock when not in use.</p> |
| <b>REPLACE WITH:</b> | <p><b>Mid-Western Highway Level Crossing</b></p> <p>Type F flashing lights, audible warning device and booms are provided at the Mid-Western Highway Level Crossing at 535.181km. The pedestrian crossing at 535.189km includes a maze, flashing lights and pedestrian red "Don't Walk" signals on both sides. The warning equipment is automatically controlled by axle counters for both Up and Down direction rail traffic. These can be reset from the Axle Counter Reset Panel located on the outside of the Level Crossing Signal Equipment Room (SER). A manual operation switch for use by Competent Workers is also located on the outside of the SER and is to be</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | <p>operated in accordance with ARTC Network Rules and Procedures. The manual operation switch box is unlocked by SL key, and the box must be kept closed and secured by an SL lock when not in use. Emergency Switches for the isolation of the level crossing warning equipment are also located on the outside of the SER. The Emergency Keys are held at the ARTC Provisioning Centre at Parkes.</p> <p>Shunter's Pushbutton units are provided for the manual operation of the level crossing, including for all rail traffic departing or shunting Caragabal Loop Line or Goods Siding from the up (Quandialla) end via B Frame. The pushbutton unit is provided in a box inscribed "Shunter's Pushbutton", which is attached to a post on each side of the level crossing.</p> <p>When rail traffic is to enter or depart the Loop Line or Goods Siding at the up (Quandialla) end, or when a shunting movement from the sidings is required to obstruct the level crossing, the Competent Worker must unlock the pushbutton unit and depress the "Start" pushbutton for one second, after which the warning equipment will operate, and only then can rail traffic advance over the level crossing.</p> <p>The warning indications for the level crossing will be cancelled automatically when the rear of the movement has cleared the level crossing. If the movement does not proceed, the warning indications must be cancelled by pressing the "Cancel" pushbutton for one second.</p> <p>The Shunter's Pushbutton unit must be kept closed and secured by an SL lock when not in use.</p> |
| <b>AMEND:</b> | <p>Caragabal NIB-T0044</p> <p>Line Diagram</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### Amendments to Route Access Standard (RAS):

### D11 Cootamundra to Goobang Junction

### Section 3 Permanent Speed Restrictions

*Delete from the Existing Table.*

| LOCATION | KM      | DOWN TRACK |           | UP TRACK |           |
|----------|---------|------------|-----------|----------|-----------|
|          |         | NORMAL     | PASSENGER | NORMAL   | PASSENGER |
|          | 536.000 |            |           |          | 110 (LX)  |

A copy of the updated Drivers Diagram for Caragabal is provided as an attachment to this Notice.

Recipients must ensure this Notice is circulated to and understood by all personnel affected by, or needing to know, its content. This Notice must be issued to all affected Competent Workers. Competent Workers who receive this Notice must follow the requirements.

## CONTACTS

Adam Lever

Client Site Representative

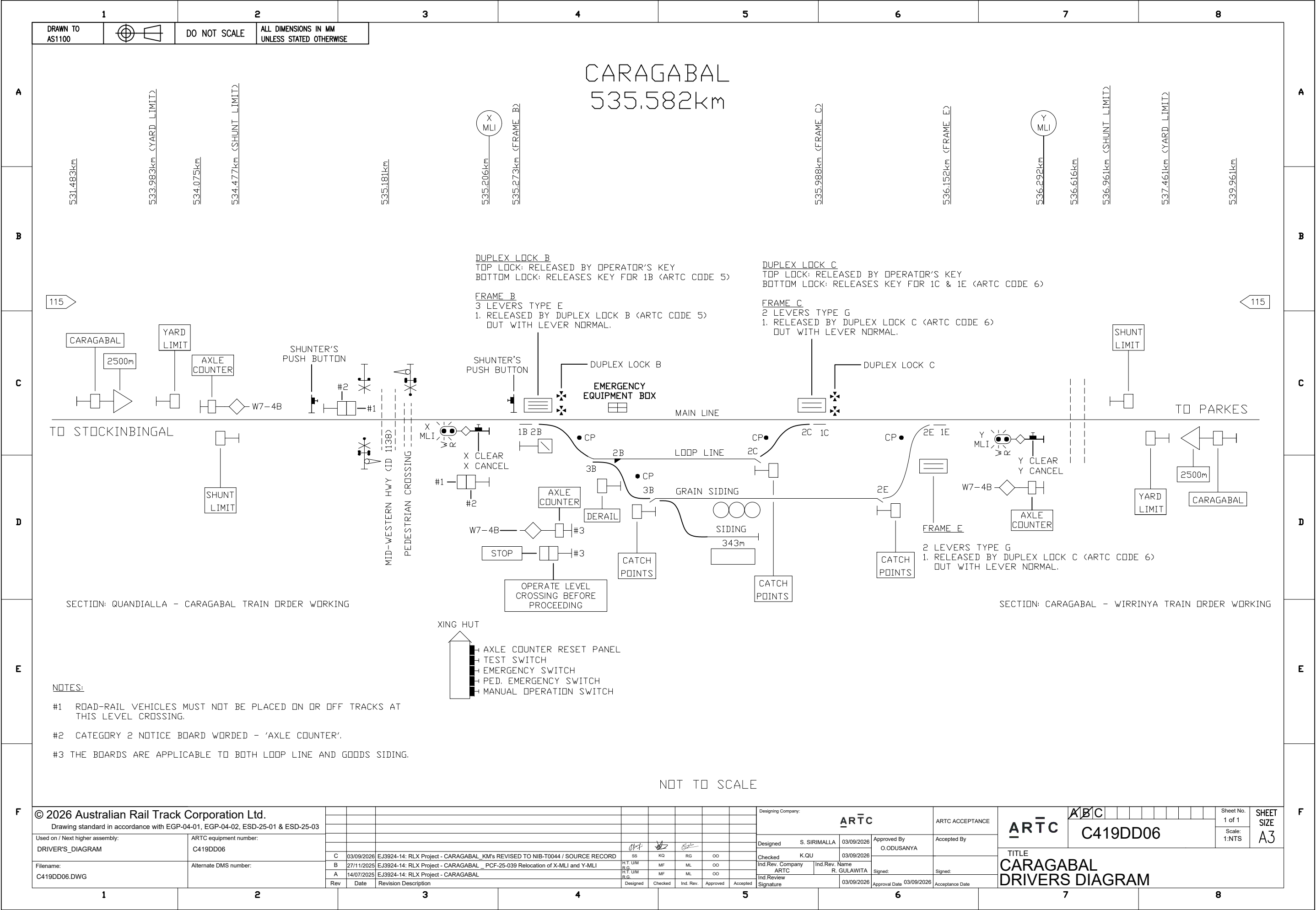
0447909079

## APPROVED BY

Delivery Support Manager South

14/09/2026

ISSUED FOR CONSTRUCTION  
DATE : 03/09/2026



1

2

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F

F

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Drawing standard in accordance with EGP-04-01, EGP-04-02, ESD-25-01 & ESD-25-03

Used on / Next higher assembly:  
DRIVER'S\_DIAGRAM

Filename:  
C419DD06.DWG

ARTC equipment number:  
C419DD06

Alternate DMS number:

| Rev | Date       | Revision Description                                                         |
|-----|------------|------------------------------------------------------------------------------|
| C   | 03/09/2026 | EJ3924-14: RLX Project - CARAGABAL_KM's REVISED TO NIB-T0044 / SOURCE RECORD |
| B   | 27/11/2025 | EJ3924-14: RLX Project - CARAGABAL_PCF-25-039 Relocation of X-MLI and Y-MLI  |
| A   | 14/07/2025 | EJ3924-14: RLX Project - CARAGABAL                                           |

| Designed | Checked | Ind. Rev. | Approved | Accepted |
|----------|---------|-----------|----------|----------|
| SS       | KQ      | RG        | OO       |          |
| RT UIM   | MF      | ML        | OO       |          |
| RG       | MF      | ML        | OO       |          |

Designing Company:  
**ARTC**

Designed  
S. SIRIMALLA  
03/09/2026

Checked  
K.QU  
03/09/2026

Ind.Rev. Company  
ARTC

Ind.Rev. Name  
R. GULAWITA

Ind.Review  
Signature

Approval Date  
03/09/2026

ARTC ACCEPTANCE

Approved By  
O.ODUSANYA

Signed:

Acceptance Date

ARTC

ABC

C419DD06

TITLE  
CARAGABAL  
DRIVERS DIAGRAM

Sheet No.  
1 of 1

Scale:  
1:NTS

SHEET  
SIZE  
A3