

# DRIVERS ROUTE KNOWLEDGE DIAGRAMS

## ILLAWARRA LINE

CENTRAL  
REDFERN  
ERSKINEVILLE  
ST PETERS  
SYDENHAM  
TEMPE  
WOLLI CREEK  
ARNCLIFFE  
BANKSIA  
ROCKDALE  
KOGARAH  
CARLTON  
ALLAWAH  
HURSTVILLE  
PENSHURST  
MORTDALE  
OATLEY  
COMO  
JANNALI  
SUTHERLAND  
LOFTUS  
ENGADINE  
HEATHCOTE  
WATERFALL

**Effective Date:** July 2026

**Version:** 6.02

### **Explanatory Notes:**

Navigate to your area of interest via the station index or by using links created in Adobe bookmarks.

This document is approved for **route knowledge only**.

**Do not use these diagrams for any safety related purpose** without validating the information against a controlled source or in the field.

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**Location:** CM Record No.D2015/579

**PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS**



SECTION : **CENTRAL TO REDFERN**MAP SET : **CENTRAL TO WATERFALL**

PAGE : 2 OF 4

UPDATED TO : 13 July 2026

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 002 (SYDNEY EAST UP)

003 (SYDNEY EAST DOWN)

035 (SYDNEY ILLAWARRA JN)

**APPENDICES**PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHSTWO WAY RUNNING BETWEEN ALL PLATFORMS  
IN SYDNEY YARD AND EVELIEGH YARD VIA  
ENGINE DIVE

|                            |                            |                              |                            |                                 |                               |                              |                              |                                     |                              |                               |                               |                              |
|----------------------------|----------------------------|------------------------------|----------------------------|---------------------------------|-------------------------------|------------------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------|-------------------------------|------------------------------|
| SY 380 S<br>OH<br>0.185 KM | SY 392 S<br>OH<br>0.381 KM | SY 384 S<br>HOME<br>0.260 KM | SY 382 L<br>OH<br>0.184 KM | SY R384<br>REPEATER<br>0.261 KM | SY 386 L<br>HOME<br>0.300 KML | SY 381 S<br>HOME<br>0.182 KM | SY 383 L<br>HOME<br>0.182 KM | SY 383 IND<br>INDICATOR<br>0.182 KM | SY 389 L<br>HOME<br>0.325 KM | SY 388 IL<br>HOME<br>0.281 KM | SY 385 IL<br>HOME<br>0.181 KM | SY 387 I<br>HOME<br>0.180 KM |
|----------------------------|----------------------------|------------------------------|----------------------------|---------------------------------|-------------------------------|------------------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------|-------------------------------|------------------------------|

|                              |                               |                              |                            |                               |                              |                               |                               |                                             |                                     |
|------------------------------|-------------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|---------------------------------------------|-------------------------------------|
| SY 390 I<br>HOME<br>0.280 KM | SY 391 IL<br>HOME<br>0.270 KM | SY 394 L<br>HOME<br>0.470 KM | SY 395 S<br>OH<br>0.381 KM | SY 396 IL<br>HOME<br>0.480 KM | SY 397 L<br>HOME<br>0.491 KM | SY 398 NS<br>HOME<br>0.425 KM | SY 399 IL<br>HOME<br>0.490 KM | SR 0.7<br>AUTO/CONT<br>STARTING<br>0.625 KM | SR 0.7 IND<br>INDICATOR<br>0.625 KM |
|------------------------------|-------------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|---------------------------------------------|-------------------------------------|

|                              |                              |                                 |                              |                              |                                 |                               |                                 |                              |                                 |
|------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|---------------------------------|-------------------------------|---------------------------------|------------------------------|---------------------------------|
| SY 400 S<br>HOME<br>0.612 KM | SY 407<br>CO-ACT<br>0.661 KM | SY R403<br>REPEATER<br>0.542 KM | SY 403 S<br>HOME<br>0.541 KM | SY 402 L<br>HOME<br>0.660 KM | SY R409<br>REPEATER<br>0.763 KM | SY 404 IL<br>HOME<br>0.650 KM | SY R411<br>REPEATER<br>0.762 KM | SY 406 I<br>HOME<br>0.611 KM | SY 422 NS<br>ACCEPT<br>0.660 KM |
|------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|---------------------------------|-------------------------------|---------------------------------|------------------------------|---------------------------------|

|                             |                             |                             |                            |                            |                             |                            |                            |                              |                            |                              |                             |                               |                            |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|------------------------------|----------------------------|------------------------------|-----------------------------|-------------------------------|----------------------------|----------------------------|
| SY 115<br>SHUNT<br>0.742 KM | SY 117<br>SHUNT<br>0.740 KM | SY 116<br>SHUNT<br>0.741 KM | SY 122<br>HOME<br>0.840 KM | SY 123<br>HOME<br>0.832 KM | SY 121<br>SHUNT<br>0.831 KM | SY 120<br>HOME<br>0.830 KM | SY 410 S<br>OH<br>0.814 KM | SY 407 S<br>HOME<br>0.764 KM | SY 412 L<br>OH<br>0.813 KM | SY 409 L<br>HOME<br>0.763 KM | SY 414 IL<br>OH<br>0.812 KM | SY 411 IL<br>AUTO<br>0.762 KM | SY 416 I<br>OH<br>0.811 KM | SY 413 I<br>OH<br>0.840 KM |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|------------------------------|----------------------------|------------------------------|-----------------------------|-------------------------------|----------------------------|----------------------------|

|                            |                              |                  |                             |                              |                              |                             |                              |                              |                              |                               |                               |                            |                            |
|----------------------------|------------------------------|------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|----------------------------|----------------------------|
| SY 127<br>HOME<br>0.990 KM | SY 126 M<br>HOME<br>1.004 KM | R126<br>1.066 KM | SY 124<br>SHUNT<br>1.001 KM | SY 435 M<br>HOME<br>0.997 KM | SY 434 S<br>HOME<br>1.001 KM | SY 428<br>SHUNT<br>1.004 KM | SY 437 S<br>HOME<br>1.001 KM | SY 436 L<br>HOME<br>1.040 KM | SY 439 L<br>HOME<br>1.014 KM | SY 438 IL<br>HOME<br>1.042 KM | SY 441 IL<br>AUTO<br>1.010 KM | SY 430 I<br>OH<br>1.043 KM | SY 433 I<br>OH<br>0.912 KM |
|----------------------------|------------------------------|------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|----------------------------|----------------------------|

|                               |                              |                                 |                              |                              |                            |                              |                            |                               |                             |                            |                            |                            |
|-------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
| SY 130 ED<br>HOME<br>?.??? KM | SY 131 M<br>HOME<br>1.214 KM | SY R131<br>REPEATER<br>1.215 KM | SY 445 M<br>HOME<br>1.184 KM | SY 440 S<br>HOME<br>1.213 KM | SY 447 S<br>OH<br>1.183 KM | SY 442 L<br>HOME<br>1.212 KM | SY 449 L<br>OH<br>1.182 KM | SY 444 IL<br>AUTO<br>1.211 KM | SY 451 IL<br>OH<br>1.181 KM | SY 446 I<br>OH<br>1.210 KM | SY 443 I<br>OH<br>1.091 KM | SY 453 I<br>OH<br>1.180 KM |
|-------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|

| SIGNAL | DESTINATION    | INDICATION |
|--------|----------------|------------|
| SY 115 | UP GOODS       | G          |
|        | UP MAIN        | M          |
|        | REGENTS STREET | R          |

| SIGNAL    | DESTINATION          | INDICATION |
|-----------|----------------------|------------|
| SY 391 IL | DOWN NSR AIRPORT     | A          |
|           | DOWN ILLAWARRA LOCAL | -          |
|           | DOWN LOCAL           | L          |

| SIGNAL | DESTINATION | INDICATION |
|--------|-------------|------------|
| SY 117 | UP MAIN (S) | UM         |

| SIGNAL | DESTINATION       | INDICATION |
|--------|-------------------|------------|
| SY 428 | DOWN MAIN         | DM         |
|        | DOWN SUBURBAN (S) | DS         |

| SIGNAL | DESTINATION    | INDICATION |
|--------|----------------|------------|
| SY 121 | DOWN MAIN (S)  | DM         |
|        | DOWN STEAM (S) | DS         |

| SIGNAL   | DESTINATION | INDICATION |
|----------|-------------|------------|
| SY 436 L | UP MAIN     | M          |
|          | UP SUBURBAN | Y          |

| SIGNAL | DESTINATION    | INDICATION |
|--------|----------------|------------|
| SY 124 | DOWN MAIN (S)  | DM         |
|        | DOWN STEAM (S) | DS         |

| SIGNAL | DESTINATION     | INDICATION |
|--------|-----------------|------------|
| SY 127 | UP MAIN (M)     | -          |
|        | UP MAIN (S)     | UM         |
|        | ENGINE DIVE (M) | -          |
|        | ENGINE DIVE (S) | ED         |



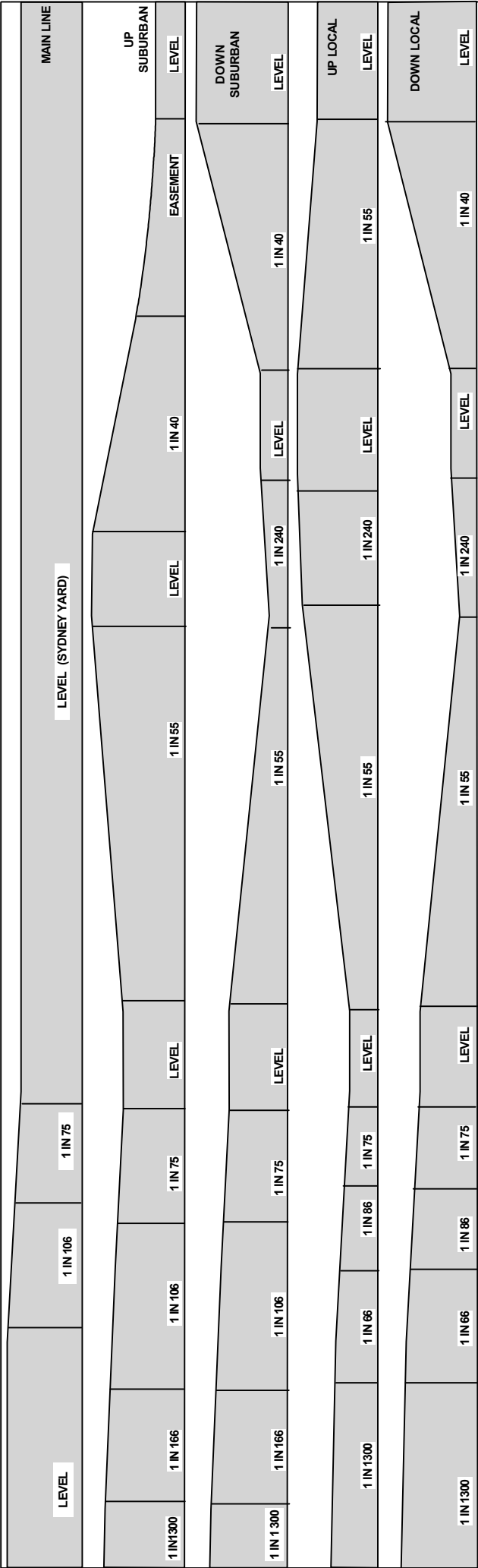
SIGNAL SY 389 L



SIGNAL SY 407 S



SIGNAL SY 436 L



SECTION : **CENTRAL TO REDFERN**  
 MAP SET : **CENTRAL TO WATERFALL**  
 PAGE : 3 OF 4  
 UPDATED TO : 6 August 2025

**INFORMATION**

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **002** (SYDNEY EAST UP)  
**003** (SYDNEY DOWN)  
**035** (SYDNEY ILLAWARRA JN)

**APPENDICES**

PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
 TERMINATING MOVEMENTS AND SIDING LENGTHS

TWO WAY RUNNING IN EVELEIGH ENGINE DIVE AND  
 ON THE UP MAIN BETWEEN THE TAL SIGNAL BRIDGE IN  
 SYDNEY YARD AND REDFERN

**CENTRAL**  
**TIMING MARKER SIGNS**

FOUR TIMING MARKER SIGNS, EACH WITH A YELLOW REFLECTIVE LETTER ' T ' DISPLAYED ON A BLACK BACKGROUND, ARE PROVIDED IN THE CENTRAL FLYOVER AREA WHERE THE TIMING SECTIONS ARE UNUSUALLY SHORT.

THEY ARE LOCATED AS FOLLOWS:

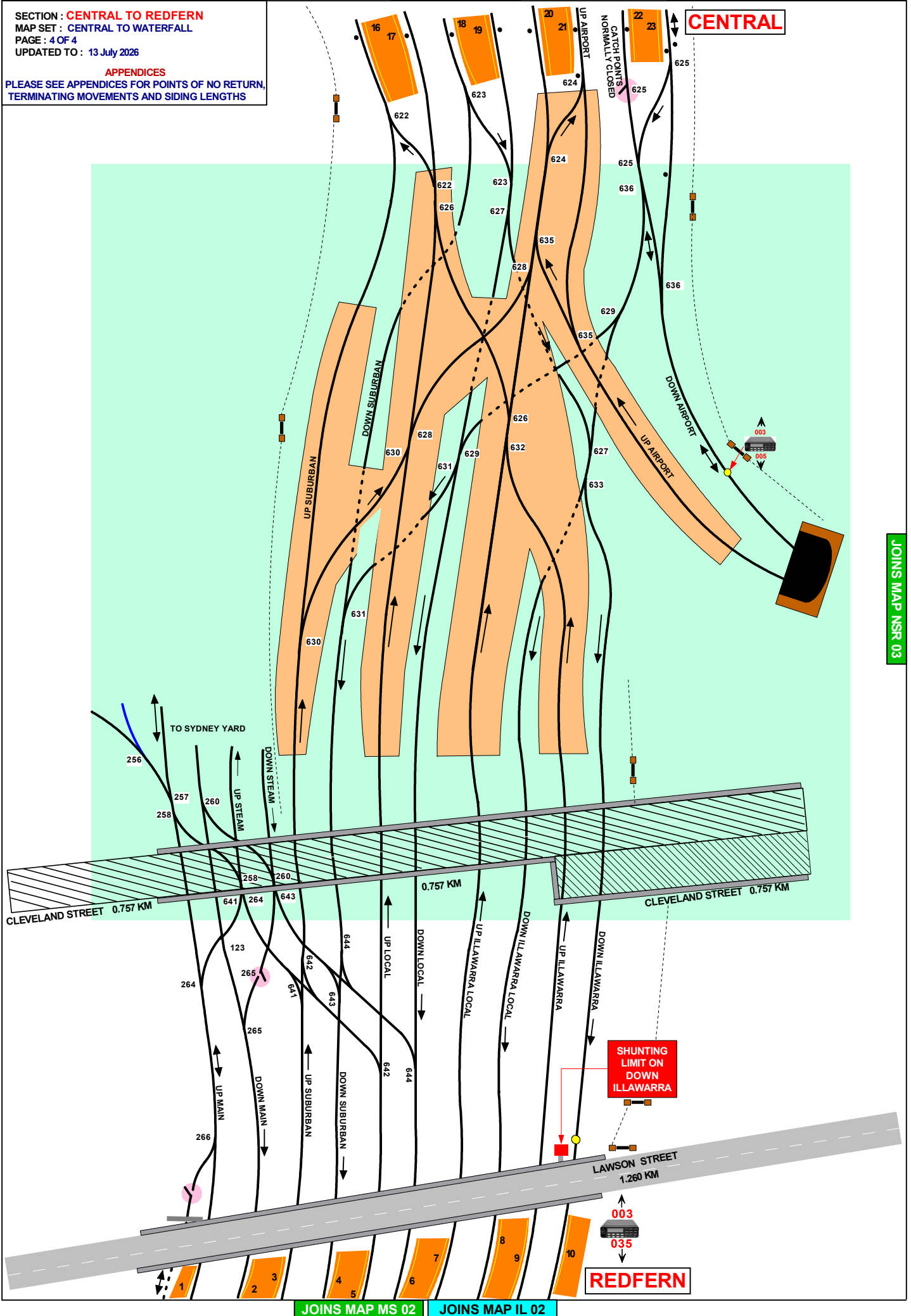
| LINE               | MARKER LOCATION                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------|
| DOWN LOCAL         | 23 METRES IN APPROACH TO SIGNAL No. SY 397 L                                                  |
| UP LOCAL           | 16 METRES IN APPROACH TO SIGNAL No. SY 394 L                                                  |
| UP ILLAWARRA LOCAL | 36 METRES IN APPROACH TO SIGNAL No. SY 388 IL, AND 16 METRES IN APPROACH TO SIGNAL No. 396 IL |

A TRAIN APPROACHING ANY OF THESE SIGNALS AND SHOWING A LOW SPEED OR MEDIUM CAUTION INDICATION SHALL BE DRAWN PAST THE ' T ' MARKER SIGN, OTHERWISE THE TIMING WILL NOT COMMENCE AND THE TRAIN STOP WILL NOT CLEAR.

SECTION : **CENTRAL TO REDFERN**MAP SET : **CENTRAL TO WATERFALL**

PAGE : 4 OF 4

UPDATED TO : 13 July 2026

**APPENDICES**PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS**CENTRAL**

SECTION : REDFERN TO ERSKINEVILLE  
REDFERN TO MACDONALDTOWN  
MAP SET : CENTRAL TO WATERFALL  
PAGE : 1 OF 4  
UPDATED TO : 16 June 2026

APPENDICES  
PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS

|                                      |                                       |                                      |
|--------------------------------------|---------------------------------------|--------------------------------------|
| SY 1.49<br>AUTO<br>2.385 KM<br>YL    | SY 1.49<br>AUTO<br>2.385 KM<br>YL     | SY 499 IL<br>AUTO<br>1.957 KM<br>YL  |
| SY 516 L<br>ACCEPT<br>2.385 KM<br>YL | SY 518 M<br>ACCEPT<br>2.600 KM<br>YL  | SY 520 S<br>ACCEPT<br>2.600 KM<br>YL |
| SY 522 L<br>ACCEPT<br>2.601 KM<br>YL | SY 536 IL<br>ACCEPT<br>2.396 KM<br>YL |                                      |

NLA 100 CENTRAL  
REFER TO NLA 100 FOR  
GBWS  
PROCEDURES

W  
W  
TRAINS EX  
MAC'TOWN  
YARD  
SIGN TO TEST  
WHISTLE X  
MAC'TOWN  
YARD

POINTS  
CLEARED  
8  
CARS

UP ILLAWARRA DIVE  
DOWN ILLAWARRA DIVE

REDFERN  
FOR PLATFORMS 11 & 12  
REFER TO MAP ESR 05 &  
ESR 06

EVELEIGH ENGINE DIVE

JOINS MAP  
YARDS 14

THIS SIGNAL MUST  
NOT BE PASSED AT STOP  
WITHOUT AUTHORITY  
FROM THE SIGNALLER

POINTS  
CLEARED  
8  
CARS

POINTS  
CLEARED  
8  
CARS

JOINS MAP  
YARDS 14

MACDONALDTOWN

MACDONALDTOWN  
STABLING YARD

THESE SIGNS LOCATED  
WITHIN THE YARD  
(BACK TO BACK)

TRAIN  
WHISTLE  
RESTRICTIONS  
APPLY IN THIS  
YARD

SECTION : REDFERN TO ERSKINEVILLE  
REDFERN TO MACDONALDTOWN

MAP SET : CENTRAL TO WATERFALL  
PAGE : 2 of 4  
UPDATED TO : 16 June 2026

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 002 (SYDNEY EAST UP)  
003 (SYDNEY EAST DN)  
035 (SYDNEY ILLAWARRA JN)

CONTROLLED FROM : SYDENHAM

RADIO AREA CODE : 007 (SYDENHAM)

SPECIAL POINTS OF INTEREST

ERSKINEVILLE

SETTING BACK IS NOT PERMITTED AT ERSKINEVILLE ON THE  
DOWN ILLAWARRA LOCAL No. 2 PLATFORM.

APPENDICES

PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS

|                              |                              |                    |                    |                              |                                |                                |                                |                                |                               |                               |                                |                    |                                           |                              |                                    |                              |
|------------------------------|------------------------------|--------------------|--------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------|-------------------------------------------|------------------------------|------------------------------------|------------------------------|
| SY 460 M<br>HOME<br>1.495 KM | SY 462 V<br>HOME<br>1.490 KM | SY 455<br>1.328 KM | SY 448<br>1.404 KM | SY 457 M<br>HOME<br>1.391 KM | SY 450 S<br>O/HOME<br>1.410 KM | SY 459 S<br>O/HOME<br>1.389 KM | SY 452 L<br>O/HOME<br>1.410 KM | SY 461 L<br>O/HOME<br>1.417 KM | SY 454 IL<br>AUTO<br>1.434 KM | SY 463 IL<br>HOME<br>1.395 KM | SY 456 I<br>O/HOME<br>1.494 KM | SY 467<br>1.386 KM | SY 465 I<br>HOME/<br>STARTING<br>1.391 KM | SY 136 D<br>HOME<br>1.544 KM | SY 138<br>No.1<br>HOME<br>1.551 KM | SY 137 D<br>HOME<br>1.527 KM |
|------------------------------|------------------------------|--------------------|--------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------|-------------------------------------------|------------------------------|------------------------------------|------------------------------|

|                                |                               |                               |                                |                                |                              |                                |                               |                                 |                              |                    |                              |
|--------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|-------------------------------|---------------------------------|------------------------------|--------------------|------------------------------|
| SY 466 M<br>O/HOME<br>1.595 KM | SY 468 UV<br>HOME<br>1.591 KM | SY 470 DV<br>HOME<br>1.591 KM | SY 471 V<br>O/HOME<br>1.577 KM | SY 475 V<br>O/HOME<br>1.684 KM | SY 472 S<br>AUTO<br>1.591 KM | SY 474 L<br>O/HOME<br>1.591 KM | SY 476 IL<br>AUTO<br>1.636 KM | SY 473 IL<br>O/HOME<br>1.630 KM | SY 478 I<br>HOME<br>1.630 KM | SY 140<br>1.598 KM | SY 469 I<br>AUTO<br>1.596 KM |
|--------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|-------------------------------|---------------------------------|------------------------------|--------------------|------------------------------|

|                                |                                |                              |                                |                                |                              |                                 |                               |                                |                              |
|--------------------------------|--------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|---------------------------------|-------------------------------|--------------------------------|------------------------------|
| SY 480 M<br>O/HOME<br>1.767 KM | SY 481 M<br>O/HOME<br>1.764 KM | SY 482 S<br>AUTO<br>1.764 KM | SY 483 S<br>O/HOME<br>1.764 KM | SY 484 L<br>O/HOME<br>1.764 KM | SY 485 L<br>HOME<br>1.796 KM | SY 486 IL<br>O/HOME<br>1.818 KM | SY 487 IL<br>HOME<br>1.796 KM | SY 488 I<br>O/HOME<br>1.822 KM | SY 489 I<br>AUTO<br>1.733 KM |
|--------------------------------|--------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|---------------------------------|-------------------------------|--------------------------------|------------------------------|

|                              |                              |                              |                            |                              |                            |                            |                               |                                   |                              |                              |                               |                              |
|------------------------------|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|----------------------------|-------------------------------|-----------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|
| SY 512 M<br>HOME<br>2.245 KM | SY 513 M<br>AUTO<br>2.220 KM | SY 514 S<br>HOME<br>2.245 KM | S 1.49<br>AUTO<br>2.385 KM | SY 516 L<br>HOME<br>2.385 KM | SY 517<br>AUTO<br>2.220 KM | L 1.49<br>AUTO<br>2.385 KM | SY 528 IL<br>HOME<br>2.124 KM | SY 529 IL<br>STARTING<br>2.121 KM | SY 530 I<br>AUTO<br>2.169 KM | SY 531 I<br>HOME<br>2.154 KM | SY 532 DV<br>AUTO<br>2.156 KM | SY 533 V<br>HOME<br>2.243 KM |
|------------------------------|------------------------------|------------------------------|----------------------------|------------------------------|----------------------------|----------------------------|-------------------------------|-----------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|

|                                |                              |                                |                                            |                              |                    |     |                                            |                               |                              |                               |                              |                                |                         |                         |                              |
|--------------------------------|------------------------------|--------------------------------|--------------------------------------------|------------------------------|--------------------|-----|--------------------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|--------------------------------|-------------------------|-------------------------|------------------------------|
| SY 490 M<br>O/HOME<br>1.925 KM | SY 493 M<br>HOME<br>1.943 KM | SY 492 S<br>O/HOME<br>1.943 KM | SY 495 S<br>HOME /<br>STARTING<br>1.942 KM | SY 494 L<br>HOME<br>1.965 KM | SY 507<br>1.958 KM | 508 | SY 497 L<br>HOME /<br>STARTING<br>1.965 KM | SY 496 IL<br>HOME<br>1.978 KM | SY 498 V<br>HOME<br>1.966 KM | SY 499 IL<br>AUTO<br>1.957 KM | SY 500 I<br>AUTO<br>1.980 KM | SY 501 I<br>O/HOME<br>1.980 KM | 502<br>AUTO<br>2.124 KM | 503<br>AUTO<br>2.117 KM | SY 525 V<br>HOME<br>2.053 KM |
|--------------------------------|------------------------------|--------------------------------|--------------------------------------------|------------------------------|--------------------|-----|--------------------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|--------------------------------|-------------------------|-------------------------|------------------------------|

|                                 |                               |                               |                               |                            |                            |                              |                                |                                |                                |                              |                                |                      |                              |                                 |                               |                      |
|---------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------|----------------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|----------------------|------------------------------|---------------------------------|-------------------------------|----------------------|
| SY 536 IL<br>ACCEPT<br>2.396 KM | SY 546 IL<br>HOME<br>2.622 KM | SY 552 IL<br>HOME<br>2.787 KM | SY 535 IL<br>HOME<br>2.345 KM | IL 1.5<br>AUTO<br>2.618 KM | IL 1.7<br>AUTO<br>2.751 KM | SY 538 I<br>HOME<br>2.396 KM | SY 540 I<br>O/HOME<br>2.622 KM | SY 537 I<br>O/HOME<br>2.345 KM | SY 539 I<br>REPEAT<br>2.517 KM | SY 539 I<br>HOME<br>2.618 KM | SY 547 I<br>O/HOME<br>2.787 KM | SY 542 I<br>2.790 KM | SY 541 I<br>HOME<br>2.605 KM | SY 543 IR<br>ACCEPT<br>2.837 KM | SY 545 IR<br>HOME<br>2.915 KM | SY 544 I<br>2.797 KM |
|---------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------|----------------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|----------------------|------------------------------|---------------------------------|-------------------------------|----------------------|

|                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|
| MULTI SPAD<br>SIGNAL<br>SY 481 M | MULTI SPAD<br>SIGNAL<br>SY 516 L | MULTI SPAD<br>SIGNAL<br>SY 537 I |
| MULTI SPAD<br>SIGNAL<br>502      | MULTI SPAD<br>SIGNAL<br>SY 483 S |                                  |

RADIO TRANSPONDER AREA NUMBERS

|  |     |     |     |     |     |     |
|--|-----|-----|-----|-----|-----|-----|
|  | 001 | 002 | 003 | 035 | 001 | 258 |
|  | 035 | 035 | 035 | 258 | 258 | 035 |

SECTION : REDFERN TO ERSKINEVILLE  
REDFERN TO MACDONALD TOWNMAP SET : CENTRAL TO WATERFALL  
PAGE : 3 OF 4  
UPDATED TO : 6 August 2025

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 002 (SYDNEY EAST UP)  
003 (SYDNEY EAST DN)  
035 (SYDNEY ILLAWARRA JN)

CONTROLLED FROM : SYDENHAM

RADIO AREA CODE : 007 (SYDENHAM)

## SPECIAL POINTS OF INTEREST

## ERSKINEVILLE

SETTING BACK IS NOT PERMITTED AT ERSKINEVILLE ON THE  
DOWN ILLAWARRA LOCAL No. 2 PLATFORM.

## APPENDICES

PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| SY 138 | UP ILLAWARRA (S)   | UI         |
|        | DOWN ILLAWARRA (S) | DI         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| SY 140 | UP ILLAWARRA (S)   | UI         |
|        | DOWN ILLAWARRA (S) | DI         |

| SIGNAL | DESTINATION                                    | INDICATION |
|--------|------------------------------------------------|------------|
| SY 455 | DOWN MAIN (M)                                  | D          |
|        | DOWN MAIN (S)                                  | DM         |
|        | DOWN ILLAWARRA DIVE (M) (VIA 647 & 649 POINTS) | I          |
|        | DOWN ILLAWARRA DIVE (S) (VIA 647 & 649 POINTS) | ID         |
|        | DOWN ILLAWARRA DIVE (M) (VIA 648 & 655 POINTS) | I          |
|        | DOWN ILLAWARRA DIVE (S) (VIA 648 & 645 POINTS) | ID         |
|        | ELSTON SIDINGS (S)                             | ES         |

| SIGNAL   | DESTINATION                | INDICATION |
|----------|----------------------------|------------|
| SY 465 I | ARRIVAL/DEPARTURE ROAD (S) | AD         |
|          | DOWN ILLAWARRA (S)         | DI         |

| SIGNAL | DESTINATION                | INDICATION |
|--------|----------------------------|------------|
| SY 467 | ARRIVAL/DEPARTURE ROAD (S) | AD         |
|        | DOWN ILLAWARRA (S)         | DI         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| 502    | UP LOCAL           | UL         |
|        | UP ILLAWARRA LOCAL | IL         |

| SIGNAL | DESTINATION | INDICATION |
|--------|-------------|------------|
| 503    | SIDING No.1 | S1         |
|        | SIDING No.2 | S2         |
|        | SIDING No.3 | S3         |
|        | SIDING No.4 | S4         |
|        | SIDING No.5 | S5         |
|        | SIDING No.6 | S6         |

| SIGNAL | DESTINATION   | INDICATION |
|--------|---------------|------------|
| SY 507 | TURN BACK     | TB         |
|        | DOWN LOCAL    | DL         |
|        | DOWN SUBURBAN | DS         |

| SIGNAL | DESTINATION | INDICATION |
|--------|-------------|------------|
| SY 508 | UP LOCAL    | UL         |

| SIGNAL   | DESTINATION        | IND. |
|----------|--------------------|------|
| SY 531 I | DOWN ILLAWARRA (M) | -    |
|          | DOWN ILLAWARRA (S) | -    |

| SIGNAL   | DESTINATION        | IND. |
|----------|--------------------|------|
| SY 533 V | DOWN ILLAWARRA (M) | -    |
|          | DOWN ILLAWARRA (S) | -    |

| SIGNAL    | DESTINATION              | IND. |
|-----------|--------------------------|------|
| SY 535 IL | DOWN ILLAWARRA LOCAL (M) | -    |
|           | DOWN ILLAWARRA LOCAL (S) | -    |

| SIGNAL   | DESTINATION              | IND. |
|----------|--------------------------|------|
| SY 537 I | DOWN ILLAWARRA (M)       | -    |
|          | DOWN ILLAWARRA LOCAL (M) | -    |
|          | DOWN ILLAWARRA (S)       | DI   |
|          | DOWN ILLAWARRA LOCAL (S) | DL   |

DI DL

| SIGNAL   | DESTINATION           | IND. |
|----------|-----------------------|------|
| SY 538 I | UP ILLAWARRA DIVE (M) | -    |
|          | UP ILLAWARRA (M)      | -    |
|          | UP ILLAWARRA DIVE (S) | ID   |
|          | UP ILLAWARRA (S)      | UI   |

DI DL

| SIGNAL   | DESTINATION    | INDICATION |
|----------|----------------|------------|
| SY 539 I | DOWN ILLAWARRA | -          |
|          | DOWN ILLAWARRA | -          |

| SIGNAL   | DESTINATION      | IND. |
|----------|------------------|------|
| SY 540 I | UP ILLAWARRA (M) | -    |
|          | UP ILLAWARRA (S) | -    |

| SIGNAL   | DESTINATION        | IND. |
|----------|--------------------|------|
| SY 541 I | DOWN ILLAWARRA (M) | -    |
|          | UP ILLAWARRA (S)   | -    |

| SIGNAL    | DESTINATION            | IND. |
|-----------|------------------------|------|
| SY 546 IL | UP ILLAWARRA LOCAL (M) | -    |
|           | UP ILLAWARRA (M)       | -    |
|           | UP ILLAWARRA (S)       | UL   |
|           | UP ILLAWARRA LOCAL (S) | UI   |

UL UI

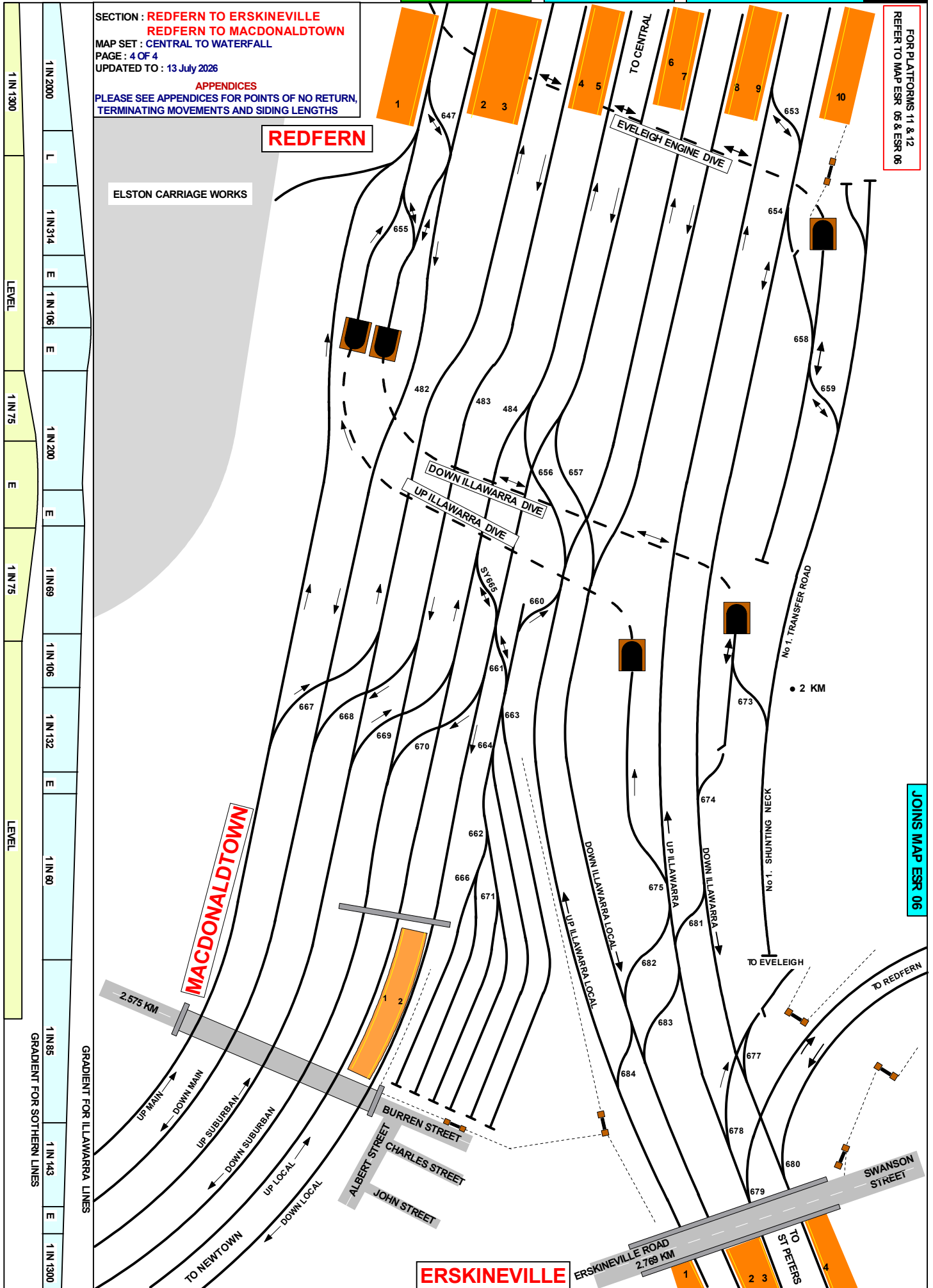
| SIGNAL    | DESTINATION             | IND. |
|-----------|-------------------------|------|
| SY 544 IL | UP ILLAWARRA (M)        | -    |
|           | -                       | -    |
|           | UP ILLAWARRA RELIEF (S) | UI   |
|           | EVELEIGH YARD (S)       | Y    |
|           | UP ILLAWARRA RELIEF (S) | UR   |

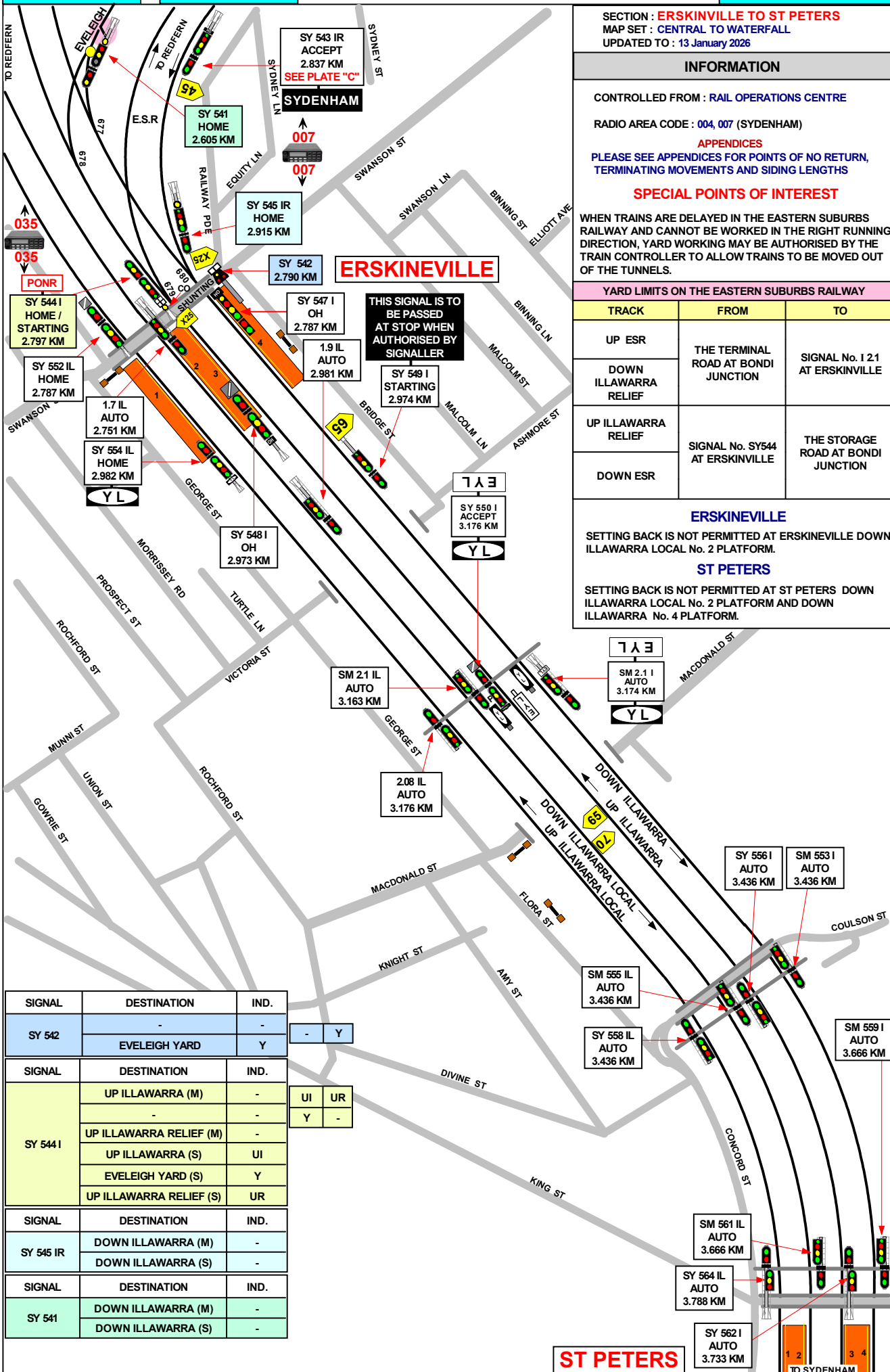
UI UR

SECTION : REDFERN TO ERSKINEVILLE  
 REDFERN TO MACDONALDTOWN  
 MAP SET : CENTRAL TO WATERFALL  
 PAGE : 4 OF 4  
 UPDATED TO : 13 July 2026

APPENDICES  
 PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
 TERMINATING MOVEMENTS AND SIDING LENGTHS

FOR PLATFORMS 11 & 12  
 REFER TO MAP ESR 05 & ESR 06





SECTION : **ST PETERS TO SYDENHAM**  
 MAP SET : CENTRAL TO WATERFALL  
 UPDATED TO : 6 August 2025

GRADIENT

## INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **007** (SYDENHAM)  
**005** (SYDENHAM)  
**004** (SYDENHAM)

## APPENDICES

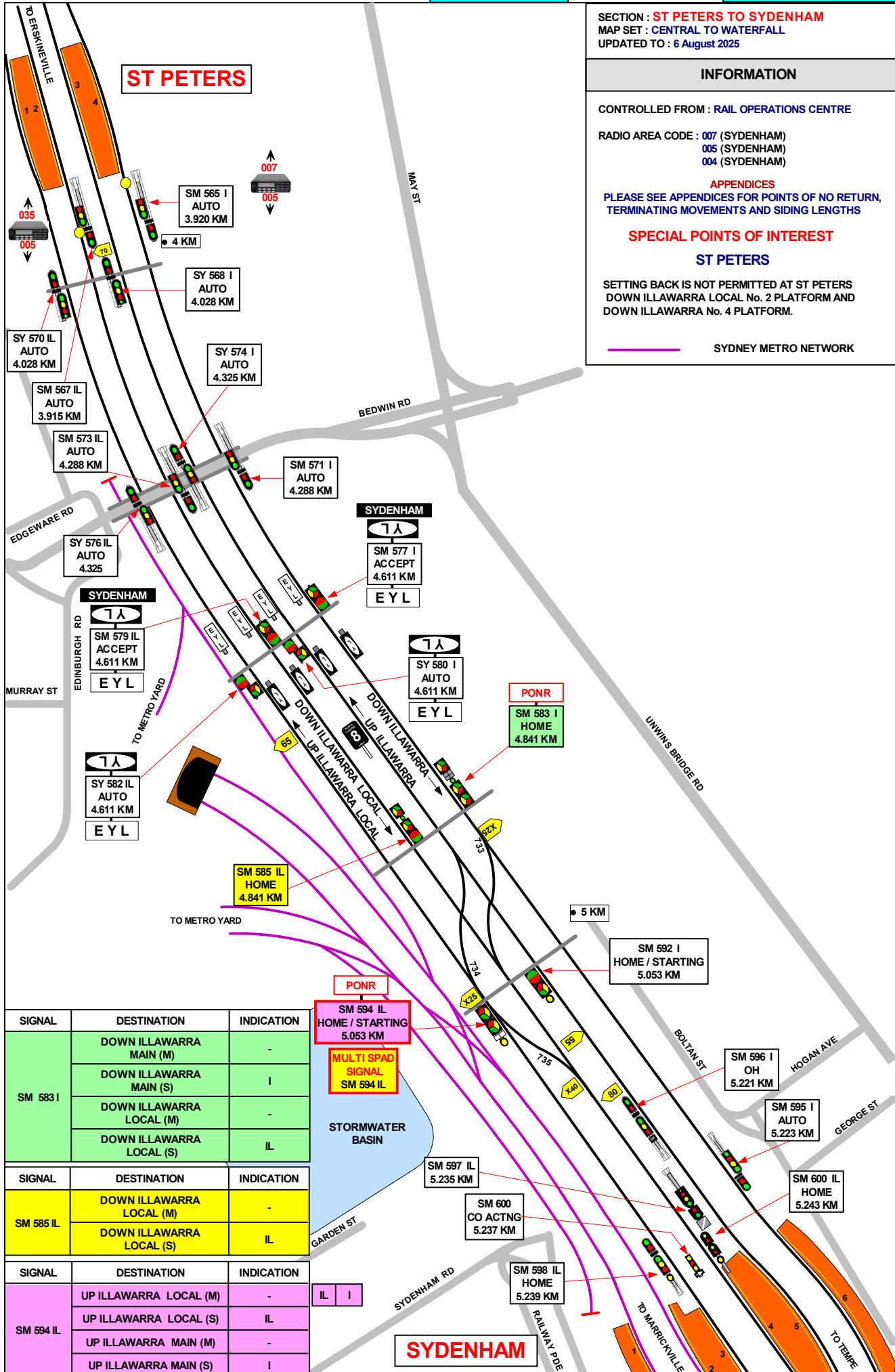
PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
 TERMINATING MOVEMENTS AND SIDING LENGTHS

## SPECIAL POINTS OF INTEREST

## ST PETERS

SETTING BACK IS NOT PERMITTED AT ST PETERS  
 DOWN ILLAWARRA LOCAL No. 2 PLATFORM AND  
 DOWN ILLAWARRA No. 4 PLATFORM.

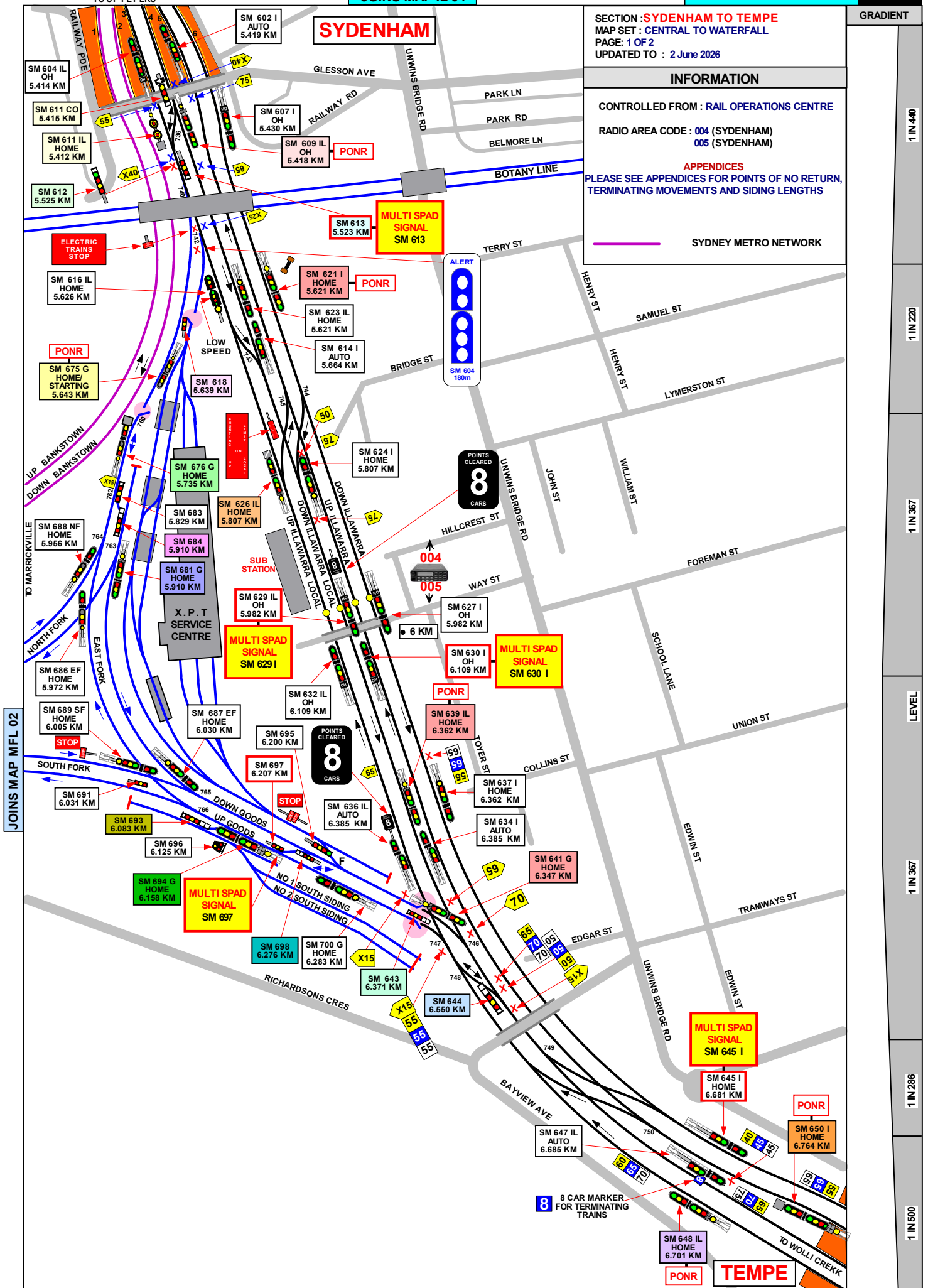
SYDNEY METRO NETWORK



| SIGNAL   | DESTINATION              | INDICATION |
|----------|--------------------------|------------|
| SM 583 I | DOWN ILLAWARRA MAIN (M)  | -          |
|          | DOWN ILLAWARRA MAIN (S)  | I          |
|          | DOWN ILLAWARRA LOCAL (M) | -          |
|          | DOWN ILLAWARRA LOCAL (S) | IL         |

| SIGNAL    | DESTINATION              | INDICATION |
|-----------|--------------------------|------------|
| SM 585 IL | DOWN ILLAWARRA LOCAL (M) | -          |
|           | DOWN ILLAWARRA LOCAL (S) | IL         |

| SIGNAL    | DESTINATION            | INDICATION |
|-----------|------------------------|------------|
| SM 594 IL | UP ILLAWARRA LOCAL (M) | -          |
|           | UP ILLAWARRA LOCAL (S) | IL         |
|           | UP ILLAWARRA MAIN (M)  | -          |
|           | UP ILLAWARRA MAIN (S)  | I          |



| SIGNAL | DESTINATION              | INDICATION |
|--------|--------------------------|------------|
| SM 609 | DOWN ILLAWARRA LOCAL (M) | -          |
|        | DOWN ILLAWARRA LOCAL (S) | D          |
|        | UP ILLAWARRA LOCAL (S)   | U          |
|        | DOWN GOODS (M)           | -          |

| SIGNAL | DESTINATION              | INDICATION | CO-ACT IND |
|--------|--------------------------|------------|------------|
| SM 611 | DOWN ILLAWARRA LOCAL (M) | L          | L          |
|        | UP ILLAWARRA LOCAL (S)   | -          | -          |
|        | DOWN GOODS (M)           | G          | G          |

| SIGNAL | DESTINATION                          | INDICATION |
|--------|--------------------------------------|------------|
| SM 612 | UP ILLAWARRA LOCAL (S) (GREEN LIGHT) | U          |
|        | DOWN ILLAWARRA LOCAL (S)             | D          |

| SIGNAL | DESTINATION                             | INDICATION |
|--------|-----------------------------------------|------------|
| SM 613 | DOWN ILLAWARRA LOCAL (S)                | D          |
|        | UP ILLAWARRA LOCAL (S) (SHUNTING LIMIT) | U          |
|        | XPT MAINTENANCE CENT                    | X          |
|        | DOWN GOODS (S)                          | G          |

| SIGNAL | DESTINATION            | INDICATION |
|--------|------------------------|------------|
| SM 618 | UP ILLAWARRA LOCAL (S) | -          |

| SIGNAL                          | DESTINATION              | INDICATION |
|---------------------------------|--------------------------|------------|
| SM 621 I & SM 639 IL & SM 641 G | DOWN ILLAWARRA MAIN (M)  | -          |
|                                 | DOWN ILLAWARRA MAIN (S)  | I          |
|                                 | DOWN ILLAWARRA LOCAL (M) | -          |
|                                 | DOWN ILLAWARRA LOCAL (S) | IL         |

| SIGNAL    | DESTINATION            | INDICATION |
|-----------|------------------------|------------|
| SM 626 IL | UP ILLAWARRA LOCAL (M) | -          |
|           | UP ILLAWARRA LOCAL (S) | IL         |
|           | UP ILLAWARRA MAIN (M)  | -          |
|           | UP ILLAWARRA MAIN (S)  | I          |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| SM 643 | UP ILLAWARRA MAIN  | I          |
|        | UP ILLAWARRA LOCAL | IL         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| SM 644 | UP GOODS           | G          |
|        | UP ILLAWARRA LOCAL | IL         |

| SIGNAL    | DESTINATION            | INDICATION |
|-----------|------------------------|------------|
| SM 648 IL | UP GOODS (M)           | -          |
|           | UP GOODS (S)           | G          |
|           | UP ILLAWARRA LOCAL (M) | -          |
|           | UP ILLAWARRA LOCAL (S) | IL         |

| SIGNAL   | DESTINATION            | INDICATION |
|----------|------------------------|------------|
| SM 650 I | UP GOODS (M)           | G          |
|          | UP GOODS (S)           | G          |
|          | UP ILLAWARRA LOCAL (M) | IL         |
|          | UP ILLAWARRA LOCAL (S) | IL         |
|          | UP ILLAWARRA MAIN (M)  | -          |
|          | UP ILLAWARRA MAIN (S)  | I          |

| SIGNAL   | DESTINATION | INDICATION |
|----------|-------------|------------|
| SM 675 G | DOWN GOODS  | M          |
|          | DOWN GOODS  | S          |

| SIGNAL   | DESTINATION              | INDICATION |
|----------|--------------------------|------------|
| SM 676 G | UP ILLAWARRA LOCAL (M)   | U          |
|          | UP ILLAWARRA LOCAL (S)   | -          |
|          | DOWN ILLAWARRA LOCAL (M) | D          |

| SIGNAL   | DESTINATION         | INDICATION |
|----------|---------------------|------------|
| SM 681 G | DOWN EAST FORK (M)  | -          |
|          | DOWN EAST FORK (S)  | EF         |
|          | DOWN NORTH FORK (M) | -          |
|          | DOWN NORTH FORK (S) | NF         |

| SIGNAL | DESTINATION         | INDICATION |
|--------|---------------------|------------|
| SM 684 | GOODS LINE          | G          |
|        | NORTH SHUNTING NECK | N          |

SECTION : **SYDENHAM TO TEMPE**  
MAP SET : **CENTRAL TO WATERFALL**  
PAGE: 2 OF 2  
UPDATED TO : 1 May 2026

### INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 004 (SYDENHAM)  
005 (SYDENHAM)

### APPENDICES

PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS

| SIGNAL | DESTINATION | INDICATION |
|--------|-------------|------------|
| SM 693 | UP GOODS    | UG         |
|        | SIDING      | S          |

| SIGNAL   | DESTINATION          | INDICATION |
|----------|----------------------|------------|
| SM 694 G | UP SHUNTING NECK (S) | SN         |
|          | UP SOUTH FORK (M)    | -          |
|          | UP SOUTH FORK (S)    | SF         |
|          | UP EAST FORK (M)     | -          |
|          | UP EAST FORK (S)     | EF         |

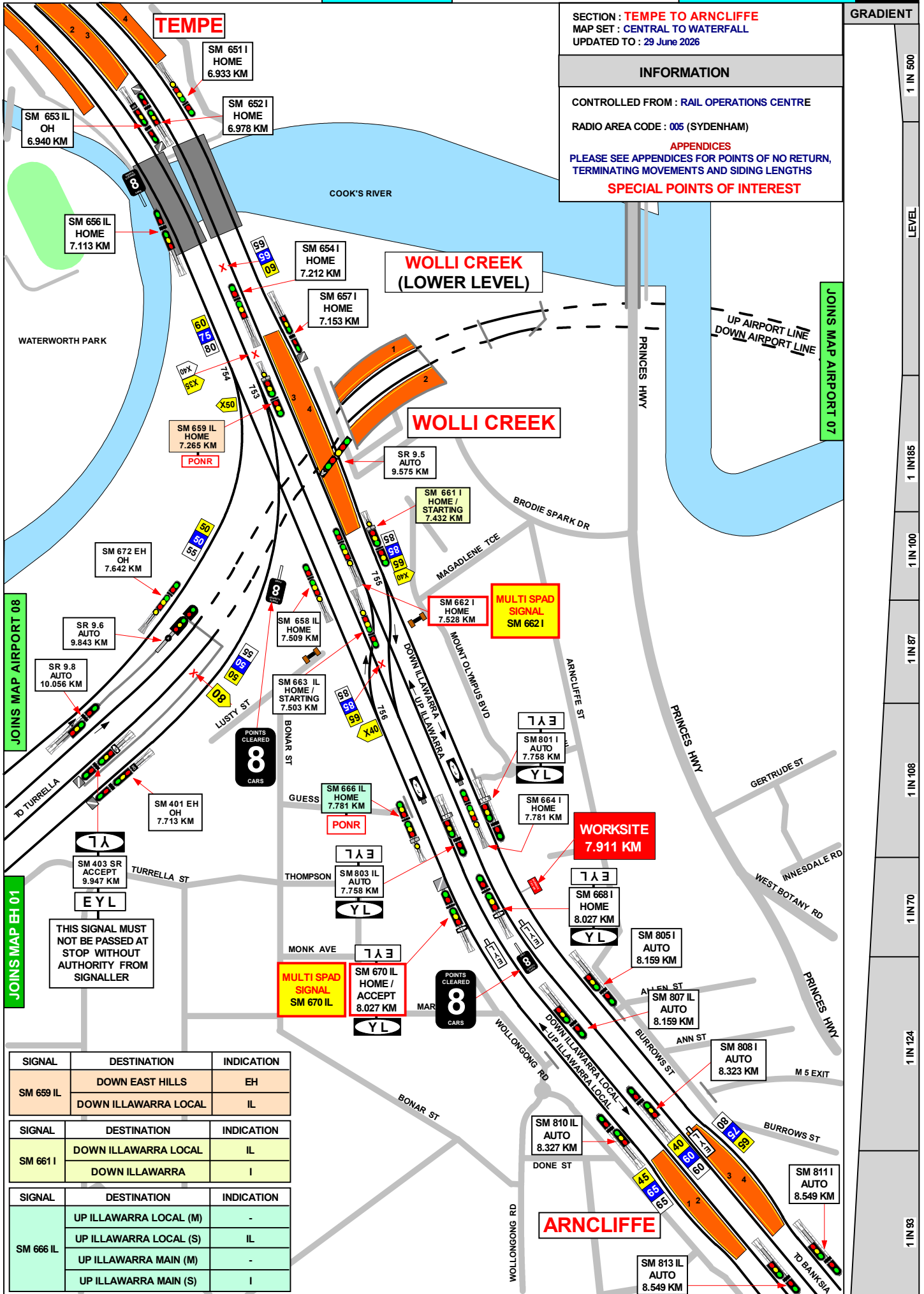
| SIGNAL | DESTINATION | INDICATION |
|--------|-------------|------------|
| SM 698 | UP GOODS    | UG         |
|        | DOWN GOODS  | DG         |

### PROPELLING MOVEMENTS

ALL PROPELLING MOVEMENTS MUST BE CARRIED OUT AS PER PROCEDURES SET OUT IN "NTR 424 / OSP 15" IN THE NETWORK RULES AND OPERATORS SPECIFIC PROCEDURES MANUALS.

### SELF-PROPELLED DIESEL TRAINS MAY TERMINATE ON

| FROM | TERMINATE AT                                   | THEN GO TO                                                                                               |
|------|------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|      | DOWN EAST FORK                                 | RETURN TO THE UP NORTH FORK VIA No. 762 POINTS.                                                          |
|      | DOWN GOODS LINE                                | RETURN TO THE UP SOUTH FORK VIA No. 770 POINTS.                                                          |
|      | DOWN ILLAWARRA LOCAL LINE AT SIGNAL No. SM 644 | RETURN TO EITHER THE UP NORTH FORK VIA Nos. 775 AND 773 POINTS OR THE DOWN SOUTH FORK VIA No. 775 POINTS |



SECTION : **ARNCLIFFE TO ROCKDALE**  
 MAP SET : **CENTRAL TO WATERFALL**  
 UPDATED TO : 9 February 2026

## INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **005 (SYDENHAM)**

**DOWN MAIN**  
**WORKSITE LIMITS SIGNAL KEY SWITCH AT**  
**SM 840 I SIGNAL TO SM 808 I SIGNAL**

**KEYS INSCRIBED AS FOLLOWS**  
**SM 842 IL UP ILLAWARRA LOCAL**  
**7.911 KM TO 10.152 KM**

## WORKSITE

DO NOT PASS AT  
 STOP WITHOUT  
 AUTHORITY

## GRADIENT

1 IN 93

1 IN 132

1 IN 116

1 IN 97

1 IN 165

LEVEL

1 IN 253

1 IN 336

1 IN 1002

1 IN 3300

1 IN 388

1 IN 1100

## ARNCLIFFE

SM 811 I  
 AUTO  
 8.549 KM

SM 813 IL  
 AUTO  
 8.549 KM

SM 816 IL  
 AUTO  
 8.584 KM

SM 814 I  
 AUTO  
 8.584 KM

SM 819 IL  
 AUTO  
 8.945 KM

SM 822 IL  
 AUTO  
 9.133 KM  
 SEE PLATE "B"

SM 825 IL  
 AUTO  
 9.290 KM  
 SEE PLATE "B"

SM 828 IL  
 AUTO  
 9.518 KM

SM 817 I  
 AUTO  
 8.945 KM  
 SEE PLATE "B"

SM 820 I  
 AUTO  
 9.133 KM  
 SEE PLATE "B"

SM 823 I  
 AUTO  
 9.290 KM  
 SEE PLATE "B"

SM 826 I  
 AUTO  
 9.518 KM

SM 833 IL  
 AUTO/CONT  
 HOME  
 9.700 KM  
 SEE PLATE "A"

SM 831 I  
 AUTO/CONT  
 HOME  
 9.700 KM  
 SEE PLATE "A"

SM 834 I  
 AUTO/CONT  
 HOME  
 9.880 KM  
 SEE PLATE "A"

SM 837 I  
 AUTO  
 10.142 KM

SM 836 IL  
 AUTO  
 9.880 KM

SM 839 IL  
 AUTO  
 10.142 KM

SM 842 IL  
 AUTO/CONT  
 HOME  
 10.320 KM

SKS  
 SM 840 I

SM 840 I  
 AUTO  
 10.320 KM  
 SEE PLATE "B"

## PLATE "A"

DRIVERS WHEN DIRECTED TO PASS  
 THIS SIGNAL AT STOP WITH "A" LIGHT  
 EXTINGUISHED MUST PROCEED WITH  
 CAUTION AND BRING THEIR TRAIN TO  
 A STAND CLEAR OF PERWAY SIDING  
 AND MUST NOT RESTART UNTIL  
 SATISFIED SHUNTING IS NOT TAKING  
 PLACE

## PLATE "B"

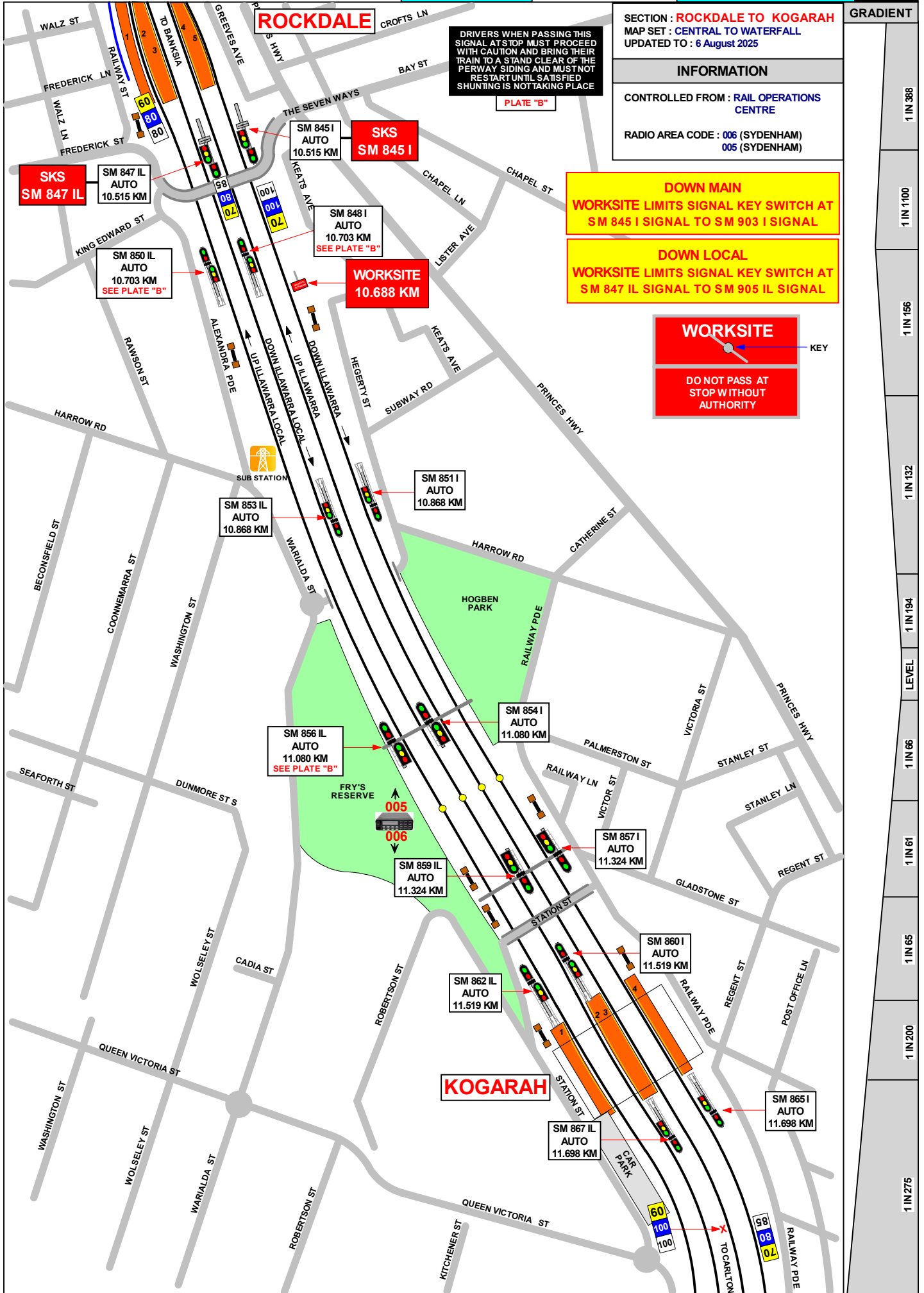
DRIVERS WHEN PASSING THIS  
 SIGNAL AT STOP MUST PROCEED  
 WITH CAUTION AND BRING THEIR  
 TRAIN TO A STAND CLEAR OF THE  
 PERWAY SIDING AND MUST NOT  
 RESTART UNTIL SATISFIED  
 SHUNTING IS NOT TAKING PLACE

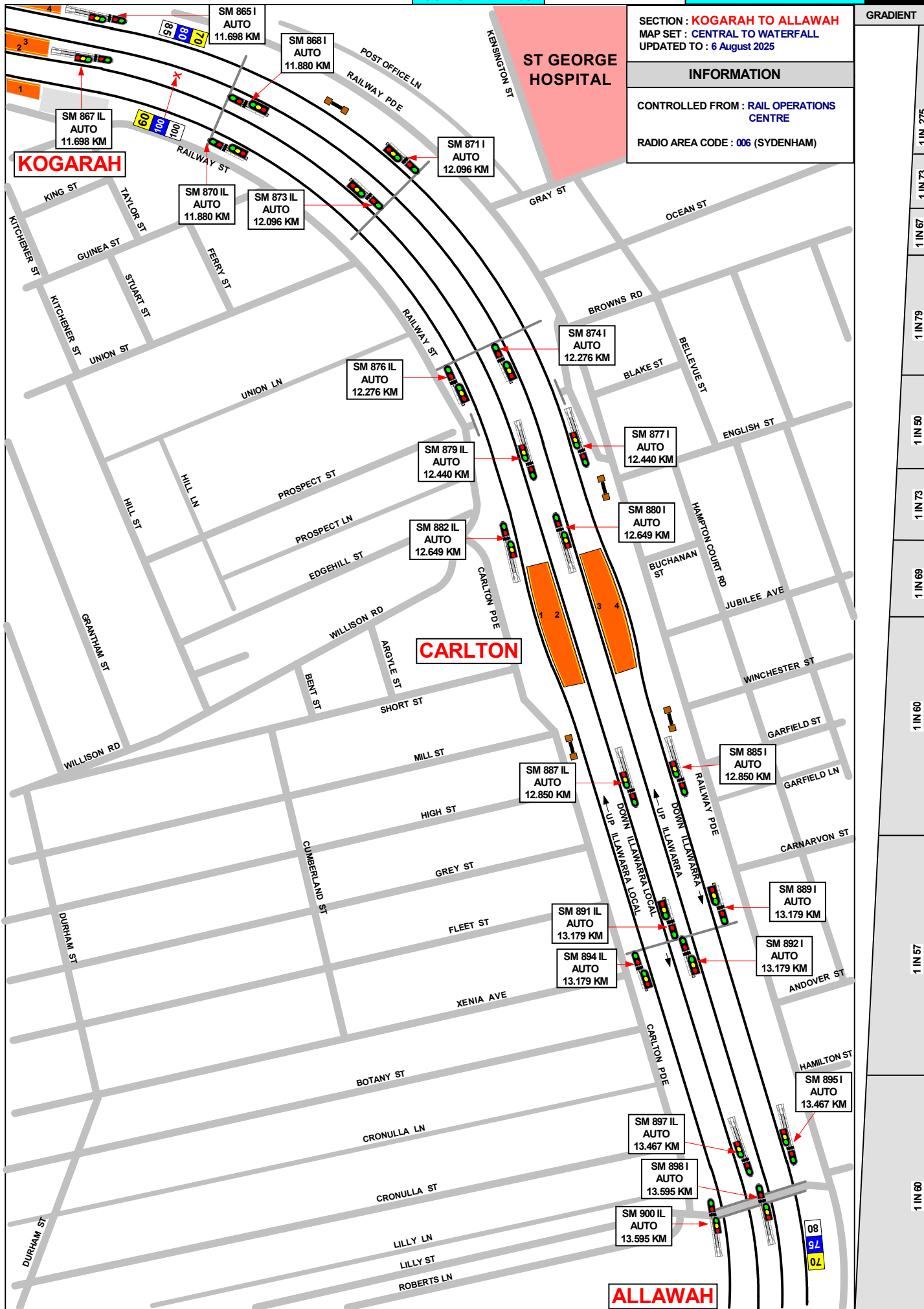
WORKSITE  
 10.084 KM

WORKSITE  
 10.152 KM

SKS  
 SM 842 IL

## ROCKDALE



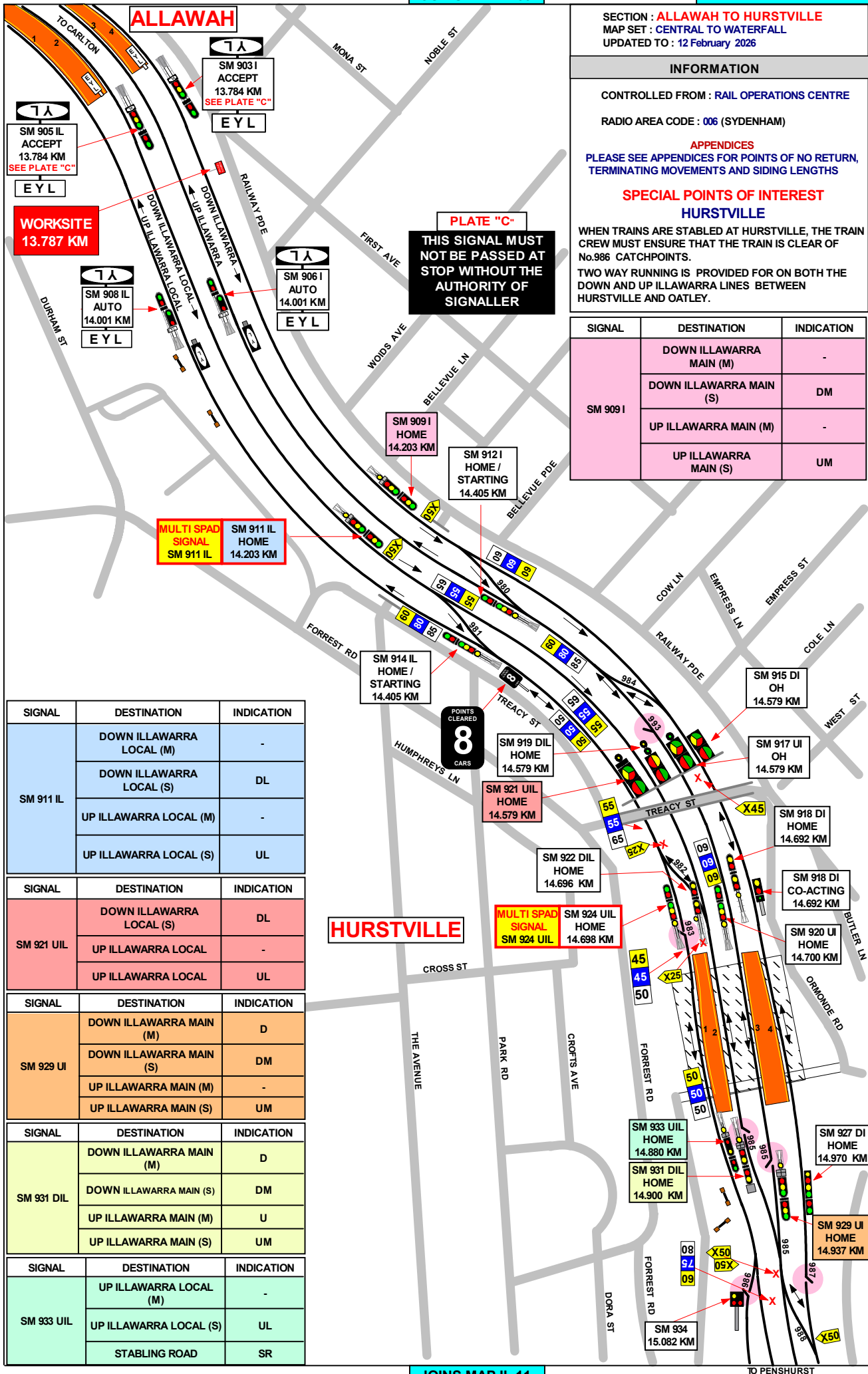


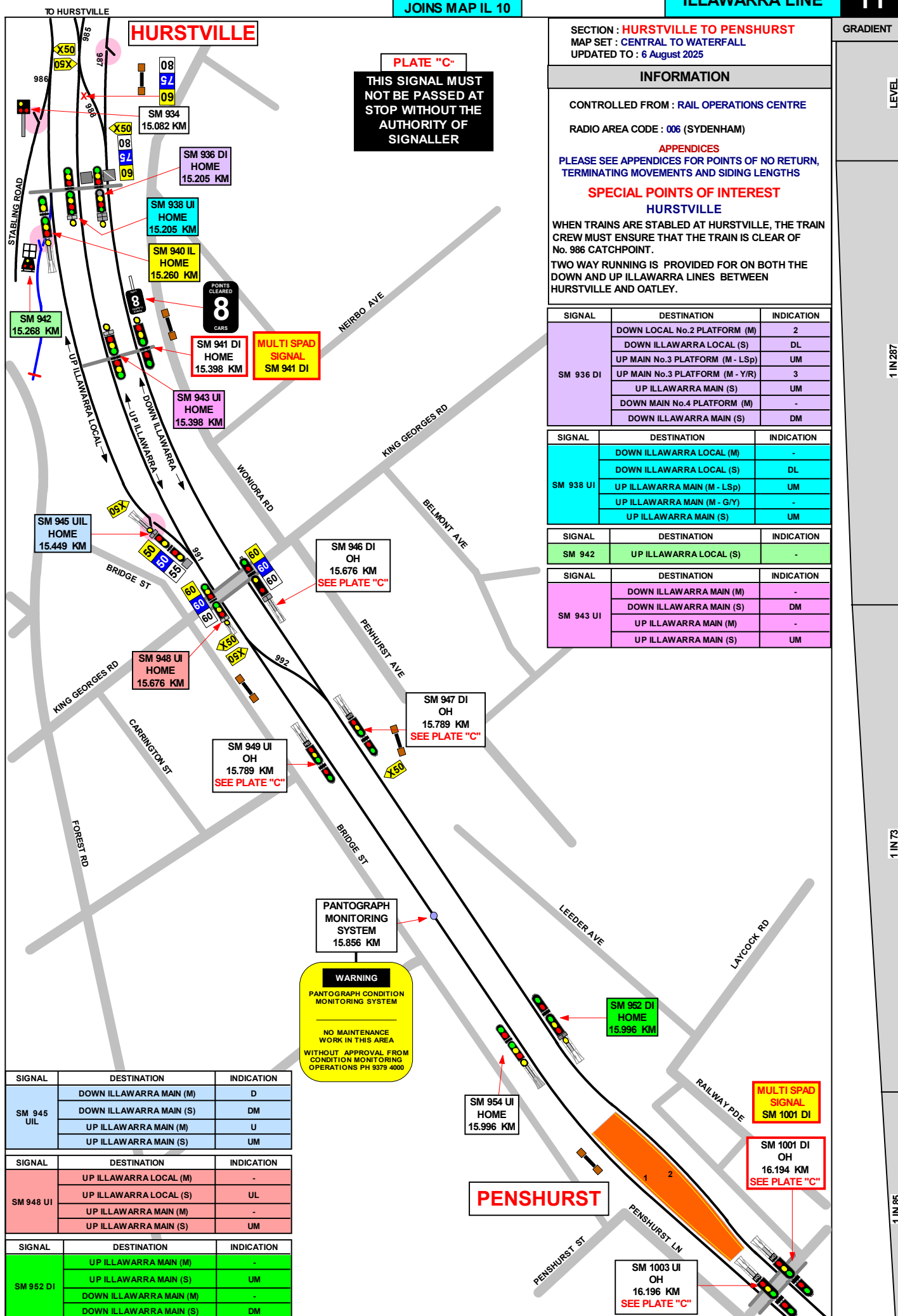
SECTION : **KOGARAH TO ALLAWAH**  
 MAP SET : **CENTRAL TO WATERFALL**  
 UPDATED TO : 6 August 2025

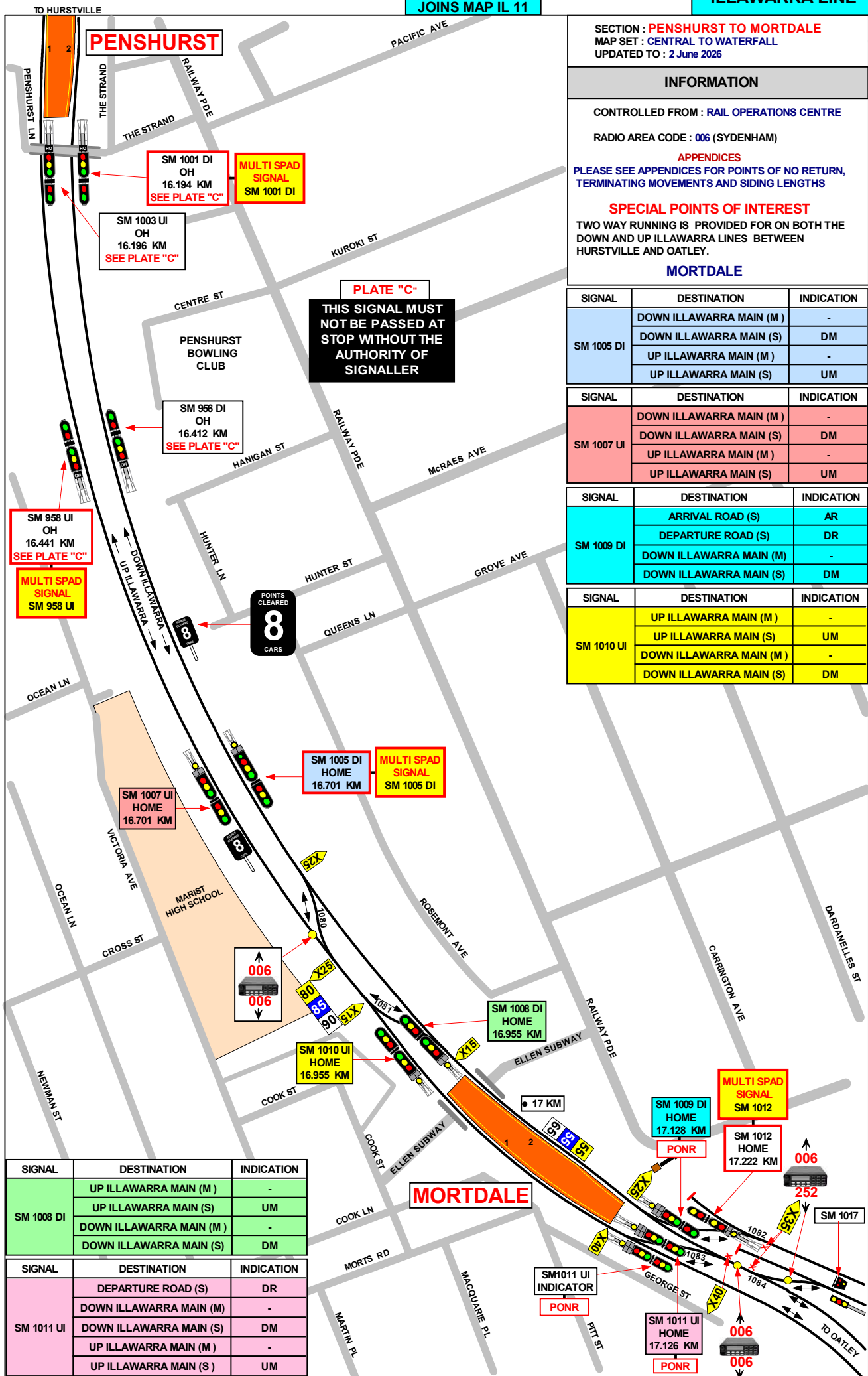
**INFORMATION**

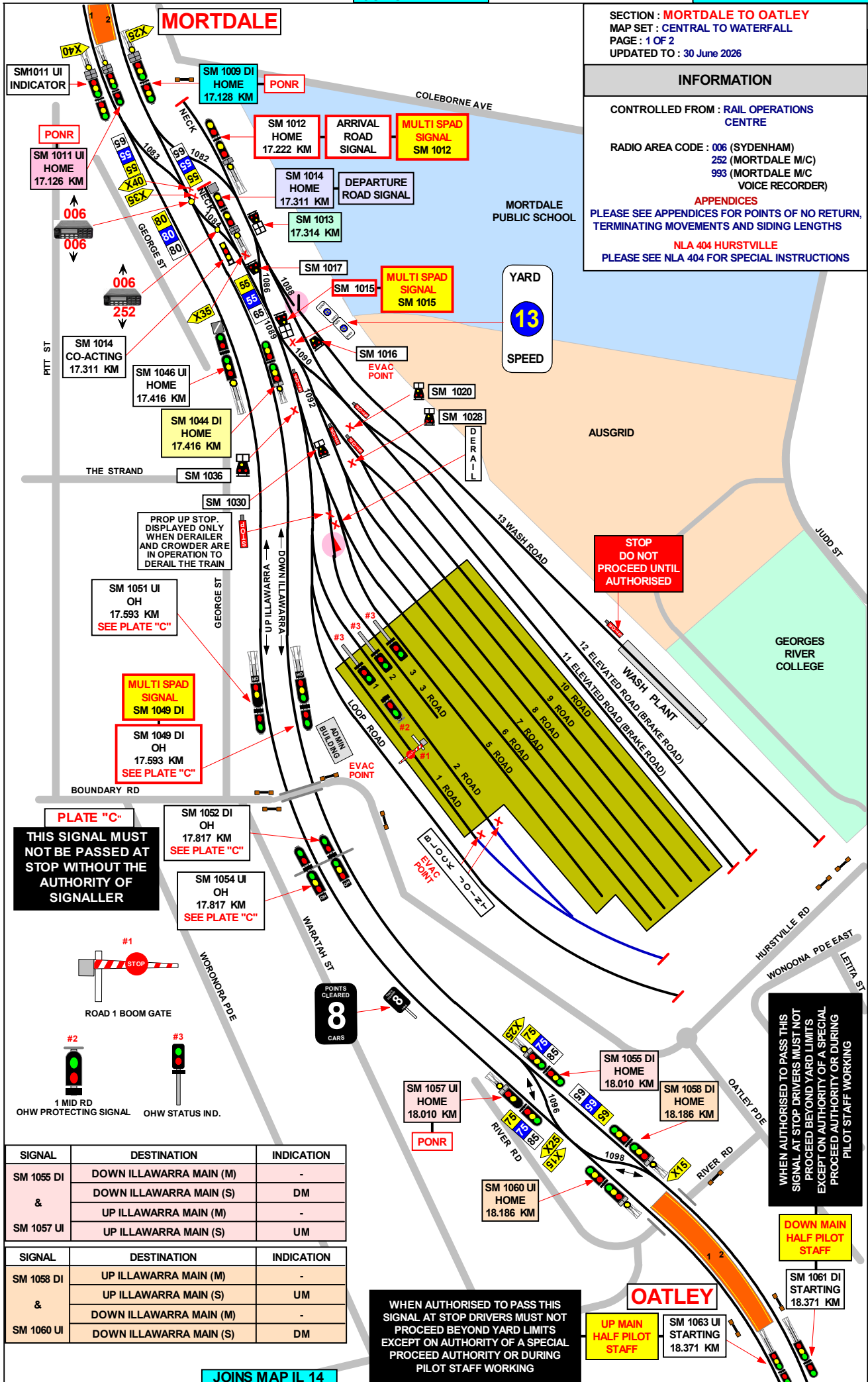
CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **006 (SYDENHAM)**









SECTION : **MORTDALE TO OATLEY**  
 MAP SET : **BONDI TO WATERFALL**  
 PAGE : **2 OF 2**  
 UPDATED TO : **6 August 2025**

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **006** (SYDENHAM)  
**252** (MORTDALE M/ C)  
**993** (MORTDALE M/C VOICE RECORDER)

#### APPENDICES

PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
 TERMINATING MOVEMENTS AND SIDING LENGTHS

#### NLA 404 HURSTVILLE

PLEASE SEE NLA 404 FOR SPECIAL INSTRUCTIONS

#### SPECIAL POINTS OF INTEREST

TWO WAY RUNNING IS PROVIDED FOR ON BOTH THE  
 DOWN AND UP ILLAWARRA LINES BETWEEN  
 HURSTVILLE AND OATLEY.

SIGNAL **SM 1014** IS ON THE WRONG SIDE AND IS FOR THE  
 DEPARTURE ROAD.

| SIGNAL     | DESTINATION             | INDICATION |
|------------|-------------------------|------------|
| SM 1009 DI | ARRIVAL ROAD (S)        | AR         |
|            | DEPARTURE ROAD (S)      | DR         |
|            | DOWN ILLAWARRA MAIN (M) | -          |
|            | DOWN ILLAWARRA MAIN (S) | DM         |

| SIGNAL  | DESTINATION             | INDICATION |
|---------|-------------------------|------------|
| SM 1014 | UP ILLAWARRA MAIN (M )  | U          |
|         | UP ILLAWARRA MAIN (S )  | UM         |
|         | DOWN ILLAWARRA MAIN (M) | D          |
|         | DOWN ILLAWARRA MAIN (S) | DM         |
|         | SHUNTING NECK (S)       | SN         |

| SIGNAL     | DESTINATION             | INDICATION |
|------------|-------------------------|------------|
| SM 1011 UI | DEPARTURE ROAD (S)      | DR         |
|            | DOWN ILLAWARRA MAIN (M) | -          |
|            | DOWN ILLAWARRA MAIN (S) | DM         |
|            | UP ILLAWARRA MAIN (M )  | -          |
|            | UP ILLAWARRA MAIN (S )  | UM         |

| SIGNAL  | DESTINATION                 | INDICATION |
|---------|-----------------------------|------------|
| SM 1015 | ELEVATED ROADS (S)          | ER         |
|         | 9 - 10 INSPECTION ROADS (S) | 9I         |
|         | 7 - 8 INSPECTION ROADS (S)  | 7I         |
|         | 1 - 6 INSPECTION ROADS (S)  | 1I         |

| SIGNAL  | DESTINATION             | INDICATION |
|---------|-------------------------|------------|
| SM 1012 | DOWN ILLAWARRA MAIN (M) | -          |
|         | DOWN ILLAWARRA MAIN (S) | DM         |
|         | SHUNTING NECK (S)       | SN         |

| SIGNAL  | DESTINATION             | INDICATION |
|---------|-------------------------|------------|
| SM 1044 | UP ILLAWARRA MAIN (M )  | -          |
|         | DOWN ILLAWARRA MAIN (M) | -          |
|         | UP ILLAWARRA MAIN (S )  | UM         |
|         | DOWN ILLAWARRA MAIN (S) | DM         |

| SIGNAL  | DESTINATION         | INDICATION |
|---------|---------------------|------------|
| SM 1013 | WASH PLANT (S)      | WP         |
|         | ELEVATED ROADS (S)  | ER         |
|         | INSPECTION ROAD (S) | IR         |

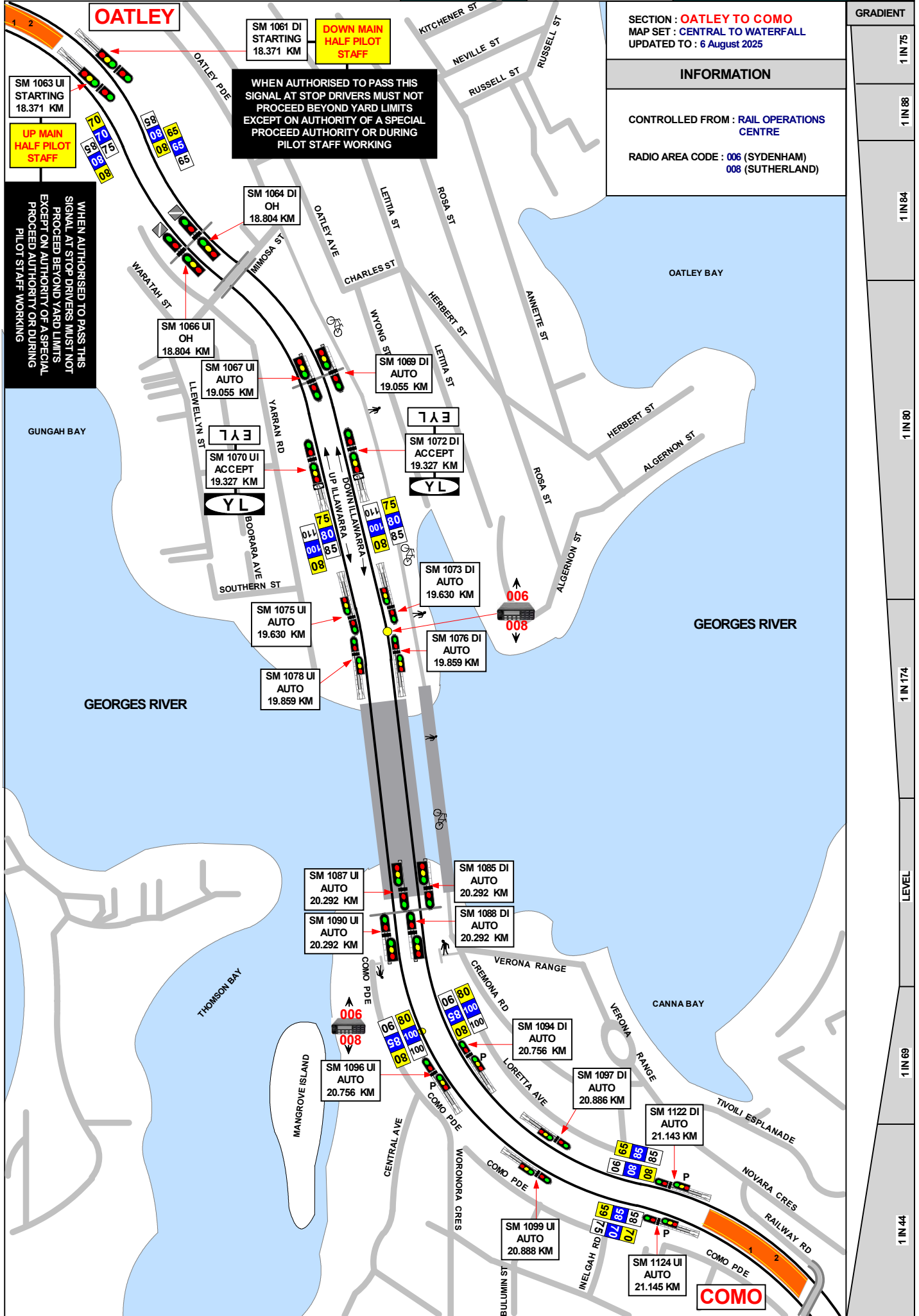
| SIGNAL                                                  | DESTINATION    | INDICATION |
|---------------------------------------------------------|----------------|------------|
| SM 1020<br>&<br>SM 1028<br>&<br>SM 1036<br>&<br>SM 1030 | DEPARTURE ROAD | DR         |
|                                                         | ARRIVAL ROAD   | AR         |

TO MORTDALE

JOINS MAP IL 13

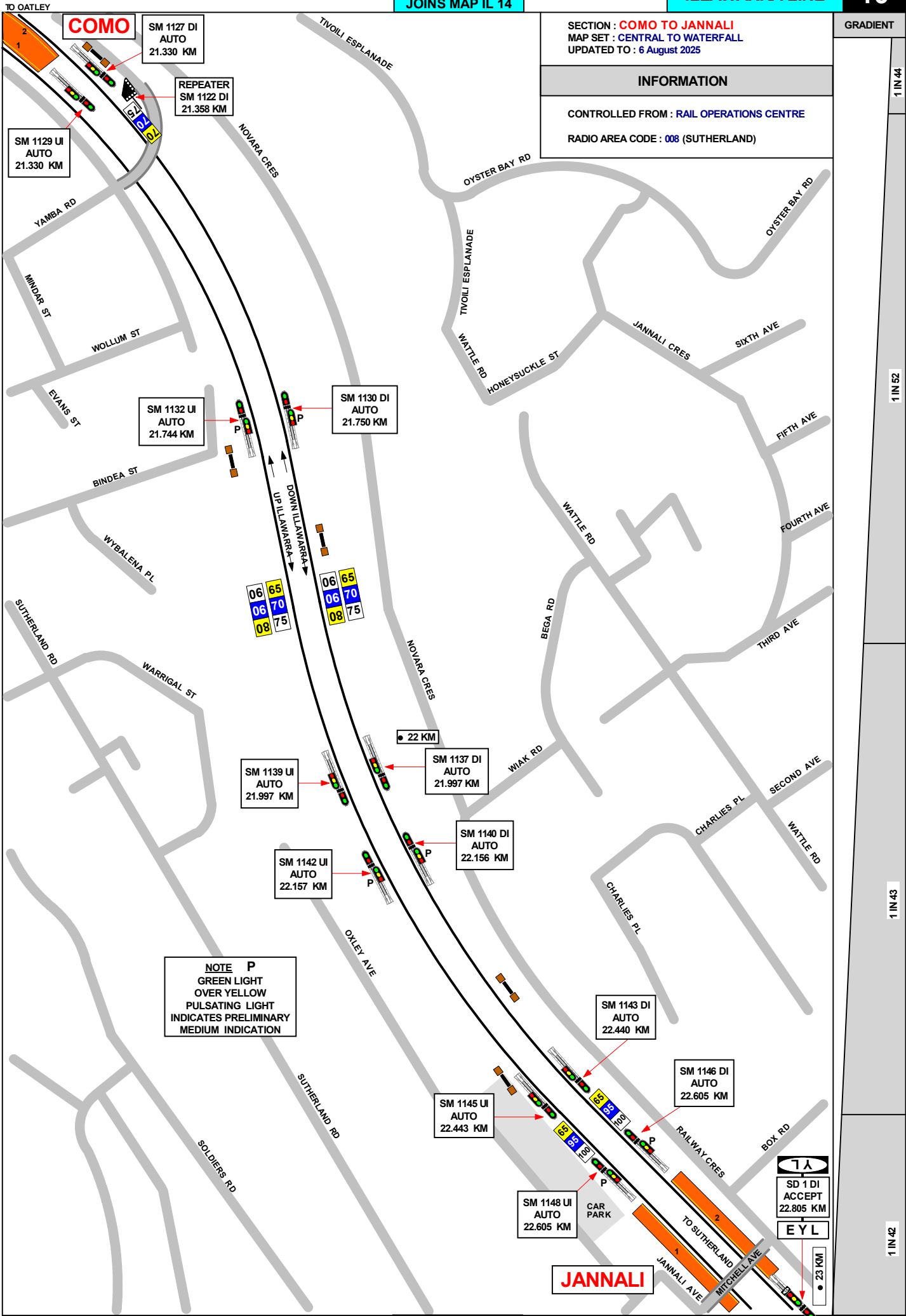
ILLAWARRA LINE

14



JOINS MAP IL 15

TO JANNALI



JOINS MAP IL 15

SECTION : **SUTHERLAND TO LOFTUS**  
MAP SET : **CENTRAL TO WATERFALL**  
UPDATED TO : 6 August 2025

## INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**RADIO AREA CODE : **008 (SUTHERLAND)**

**APPENDICES**  
PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS

**SPECIAL POINTS OF INTEREST**  
**SUTHERLAND**

**P**  
INDICATES GREEN  
LIGHT OVER  
PULSATING YELLOW  
LIGHT INDICATES  
PRELIMINARY MEDIUM  
INDICATION

WHEN AUTHORISED TO PASS THIS  
SIGNAL AT STOP DRIVERS MUST NOT  
PROCEED BEYOND YARD LIMITS  
EXCEPT ON AUTHORITY OF A SPECIAL  
PROCEED AUTHORITY OR DURING  
PILOT STAFF WORKING

WHEN ILLUMINATED  
TURNING OUT  
THROUGH 150 POINTS

WHEN ILLUMINATED  
TURNING OUT  
THROUGH 152 POINTS

WHEN AUTHORISED TO PASS THIS  
SIGNAL AT STOP DRIVERS MUST NOT  
PROCEED BEYOND YARD LIMITS  
EXCEPT ON AUTHORITY OF A SPECIAL  
PROCEED AUTHORITY OR DURING  
PILOT STAFF WORKING

UP MAIN  
HALF PILOT  
STAFF

DOWN MAIN  
HALF PILOT  
STAFF

| SIGNAL   | DESTINATION         | INDICATION |
|----------|---------------------|------------|
| SD 17 DI | BACK PLATFORM ( M ) | --         |
|          | BACK PLATFORM ( S ) | BP         |
|          | DOWN MAIN ( M )     | --         |
|          | DOWN MAIN ( S )     | DM         |

| SIGNAL   | DESTINATION         | INDICATION |
|----------|---------------------|------------|
| SD 19 UI | BACK PLATFORM ( M ) | B          |
|          | BACK PLATFORM ( S ) | BP         |
|          | DOWN MAIN ( M )     | D          |
|          | DOWN MAIN ( S )     | DM         |
|          | DOWN MAIN ( M )     | D          |
|          | DOWN MAIN ( S )     | DM         |
|          | UP MAIN ( M )       | --         |
|          | UP MAIN ( S )       | UM         |

| SIGNAL   | DESTINATION     | INDICATION |
|----------|-----------------|------------|
| SD 22 BP | UP MAIN ( M )   | U          |
|          | UP MAIN ( S )   | UM         |
|          | DOWN MAIN ( M ) | D          |
|          | DOWN MAIN ( S ) | DM         |

| SIGNAL   | DESTINATION     | INDICATION |
|----------|-----------------|------------|
| SD 24 DI | UP MAIN ( M )   | U          |
|          | UP MAIN ( S )   | UM         |
|          | DOWN MAIN ( M ) | D          |
|          | DOWN MAIN ( S ) | DM         |

JOINS MAP IL 17

**SUTHERLAND**

1 IN 42

1 IN 40

1 IN 43

1 IN 44

1 IN 42

1 IN 44

1 IN 660

SECTION : **SUTHERLAND TO LOFTUS**  
 MAP SET : **CENTRAL TO WATERFALL**  
 UPDATED TO : 6 August 2025

GRADIENT

## INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **008 (SUTHERLAND)**

**APPENDICES**  
 PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
 TERMINATING MOVEMENTS AND SIDING LENGTHS

## SPECIAL POINTS OF INTEREST

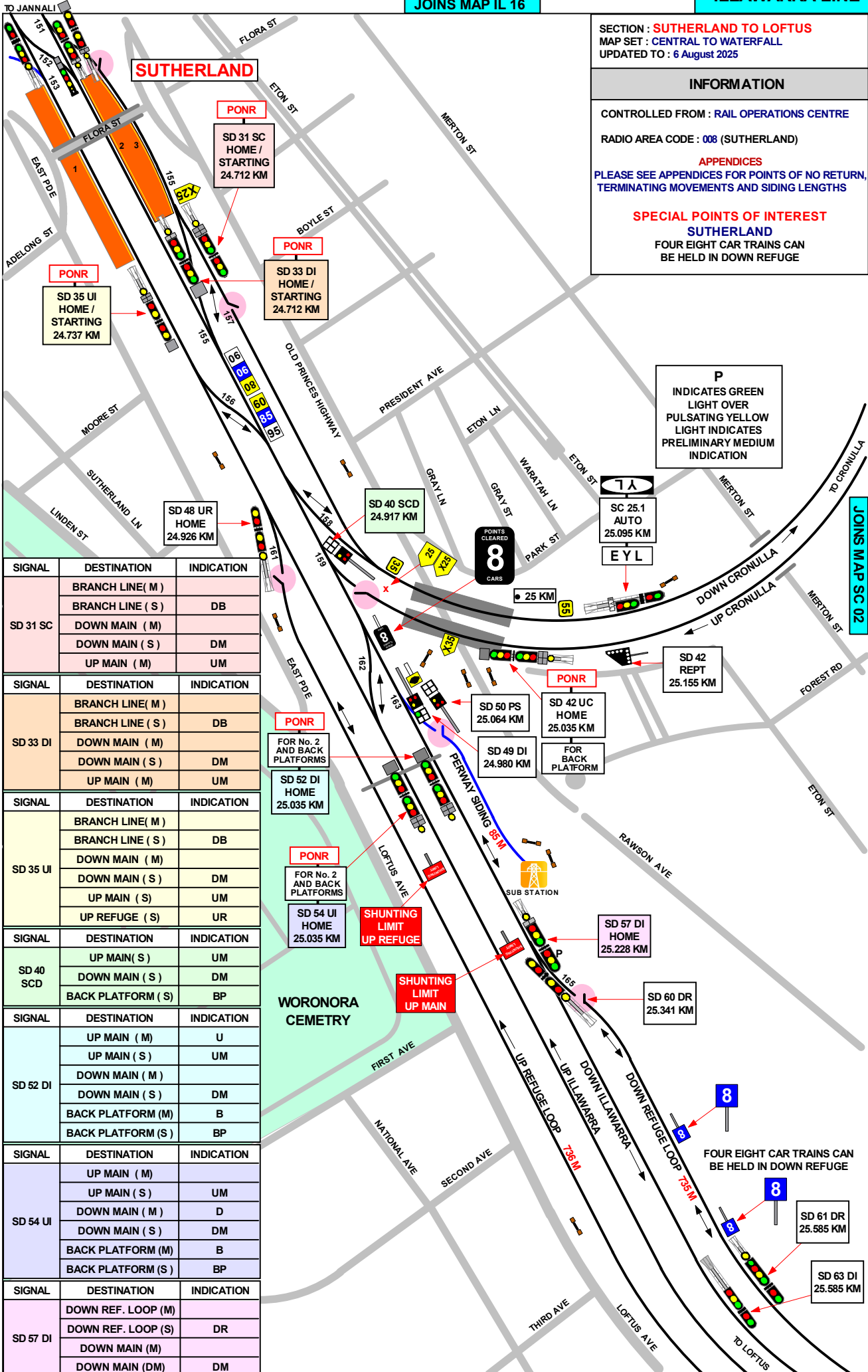
## SUTHERLAND

FOUR EIGHT CAR TRAINS CAN  
 BE HELD IN DOWN REFUGE

**P**  
 INDICATES GREEN  
 LIGHT OVER  
 PULSATING YELLOW  
 LIGHT INDICATES  
 PRELIMINARY MEDIUM  
 INDICATION

1 IN 660

1 IN 330



SECTION : **SUTHERLAND TO LOFTUS**  
MAP SET : CENTRAL TO WATERFALL  
UPDATED TO : 6 August 2025

**INFORMATION**

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 008 (SUTHERLAND)

**APPENDICES**  
PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS

**SPECIAL POINTS OF INTEREST**  
**SUTHERLAND**  
FOUR EIGHT CAR TRAINS CAN  
BE HELD IN DOWN REFUGE

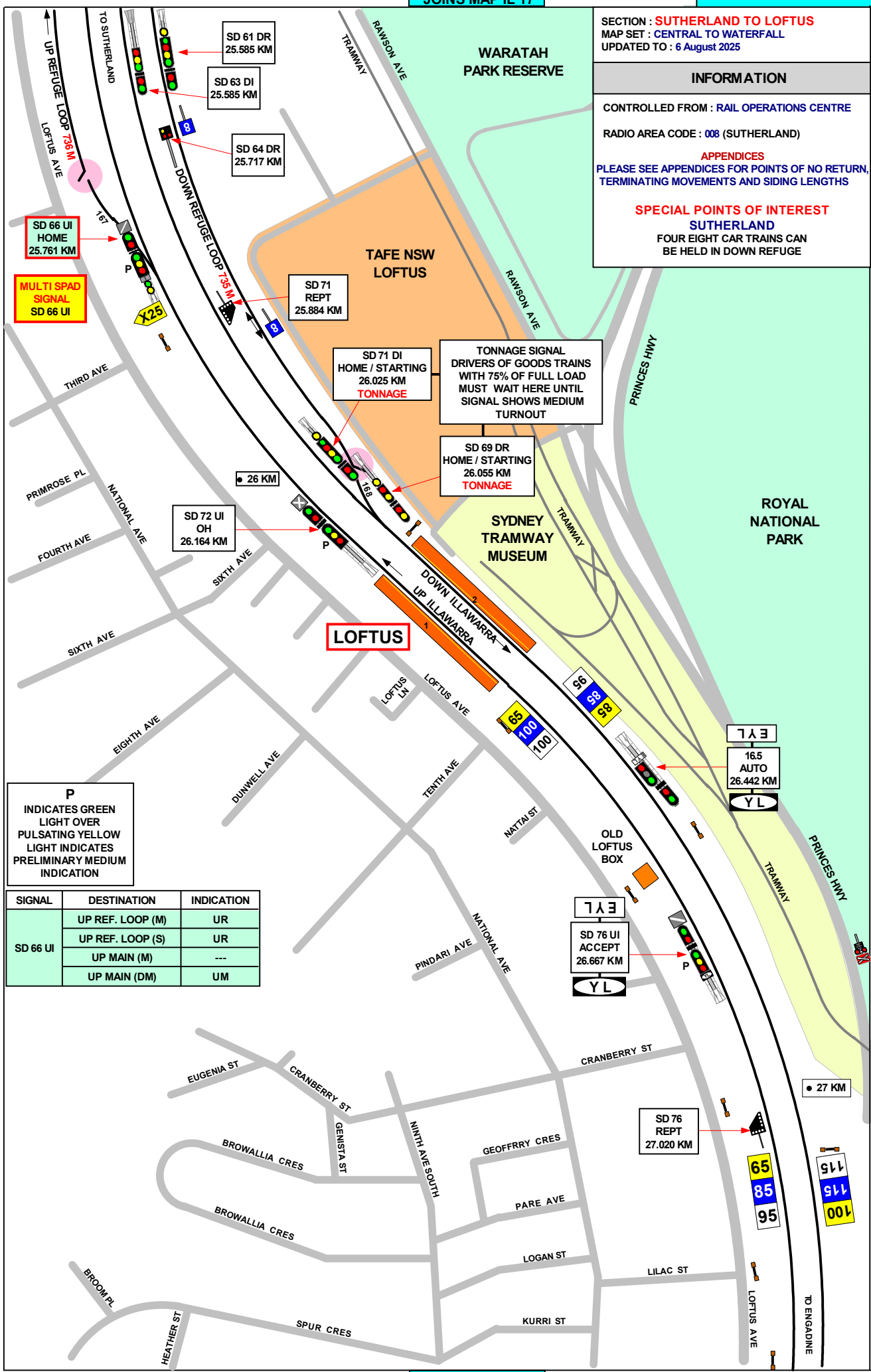
GRADIENT

LEVEL

1 IN 148

1 IN 40

1 IN 103



SECTION : **LOFTUS TO ENGADINE**  
 MAP SET : **CENTRAL TO WATERFALL**  
 UPDATED TO : 6 August 2025

**INFORMATION**

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**  
 RADIO AREA CODE : **008** (SUTHERLAND)

GRADIENT

1 IN 103

1 IN 97

1 IN 50

1 IN 300

1 IN 127

1 IN 50

1 IN 227

**P**  
 INDICATES GREEN  
 LIGHT OVER  
 PULSATING YELLOW  
 LIGHT INDICATES  
 PRELIMINARY MEDIUM  
 INDICATION

BEGIN SINGLE  
 LIGHT  
 INDICATION

17.4  
 AUTO  
 28.051 KM

17.5  
 AUTO  
 28.050 KM

ROYAL  
 NATIONAL  
 PARK

**WARNING**

WAYSIDE DETECTION  
 SYSTEM  
 ENGADINE 29.482 kms  
 NO TRACK WORK IN  
 AREA  
 WITHOUT APPROVAL FROM  
 TRAIN MONITORING SYSTEMS  
 UNIT  
 PHONE (02) 9739 4000

18.4  
 AUTO  
 29.520 KM

END SINGLE  
 LIGHT  
 INDICATION

18.3  
 AUTO  
 29.520 KM

DOWN AND UP BBT's REPORT TO SYDENHAM  
 SIGNALBOX ( SUTHERLAND PANEL )

**ENGADINE**

19.1  
 AUTO  
 30.873 KM

008  
 009

19.2  
 AUTO  
 30.890 KM

**ENGADINE**

19.2  
AUTO  
30.890 KM

19.1  
AUTO  
30.873 KM

31 KM

ROYAL  
NATIONAL  
PARK

SECTION : **ENGADINE TO HEATHCOTE**  
MAP SET : **CENTRAL TO WATERFALL**  
UPDATED TO : 6 August 2025

**INFORMATION**

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **008** (SUTHERLAND)  
**009** (WATERFALL)

GRADIENT

1 IN 227

1 IN 88

1 IN 132

1 IN 240

1 IN 480



PRINCESS HWY

OLD PRINCESS HWY

AUCKLAND ST

COPELAND RD

NUMANTIA RD

NAPIER ST

HEATHCOTE RD

ODEON PL

CORINTH RD

ELECTRA ST

DALLEY RD

JUNCTION RD

ROSEBERRY ST

KING ST

ABBOTT RD

PARKES ST

DORSET RD

OLIVER ST

FREEMAN RD

BUNDARY RD

MARTIN ST

LYNE LN

ROSEBERRY ST

VENO ST

HEATH LN

BYRNES LN

PRINCESS HWY

WILLANDRIA PDE

BLACKET ST

HUNTER ST

STRICKLAND ST

GREVILLEA GR

BOTTLE FOREST RD

JACANA GR

FOREST RD

THE AVENUE

WILSON PDE

DOWN ILLAWARRA

UP ILLAWARRA

0115 001 38

32 KM

20.0 AUTO 32.264 KM

MULTI SPAD SIGNAL 20.0

80 115 115

011 001 001

20.1 AUTO 32.264 KM

33 KM

80 100 110

1

80 115 115

2

**HEATHCOTE**

SECTION : **HEATHCOTE TO WATERFALL**

MAP SET : **CENTRAL TO WATERFALL**

UPDATED TO : **6 August 2025**

**INFORMATION**

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **009 (WATERFALL)**

GRADIENT

1 IN 480

1 IN 100

1 IN 76

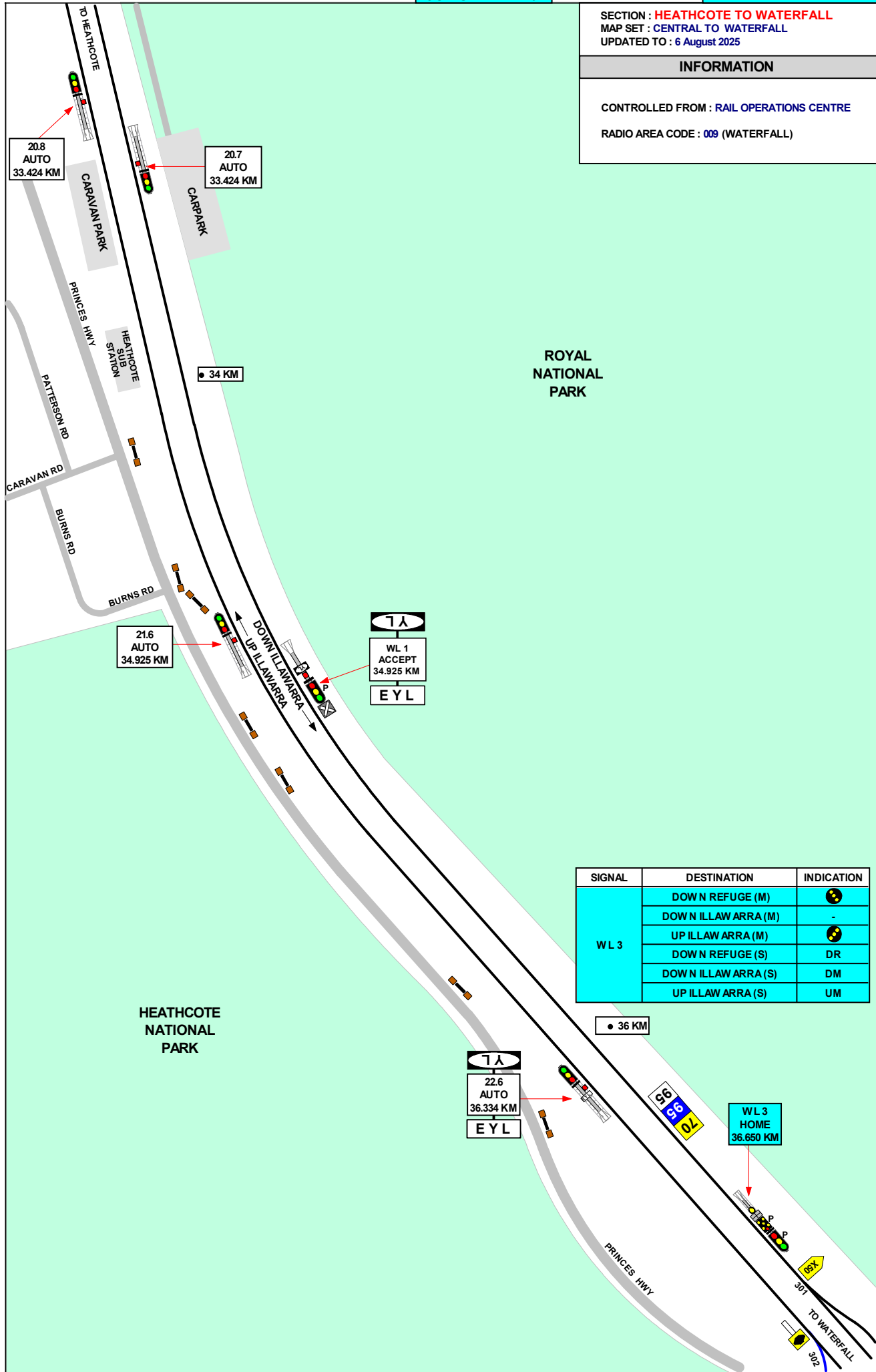
LEVEL

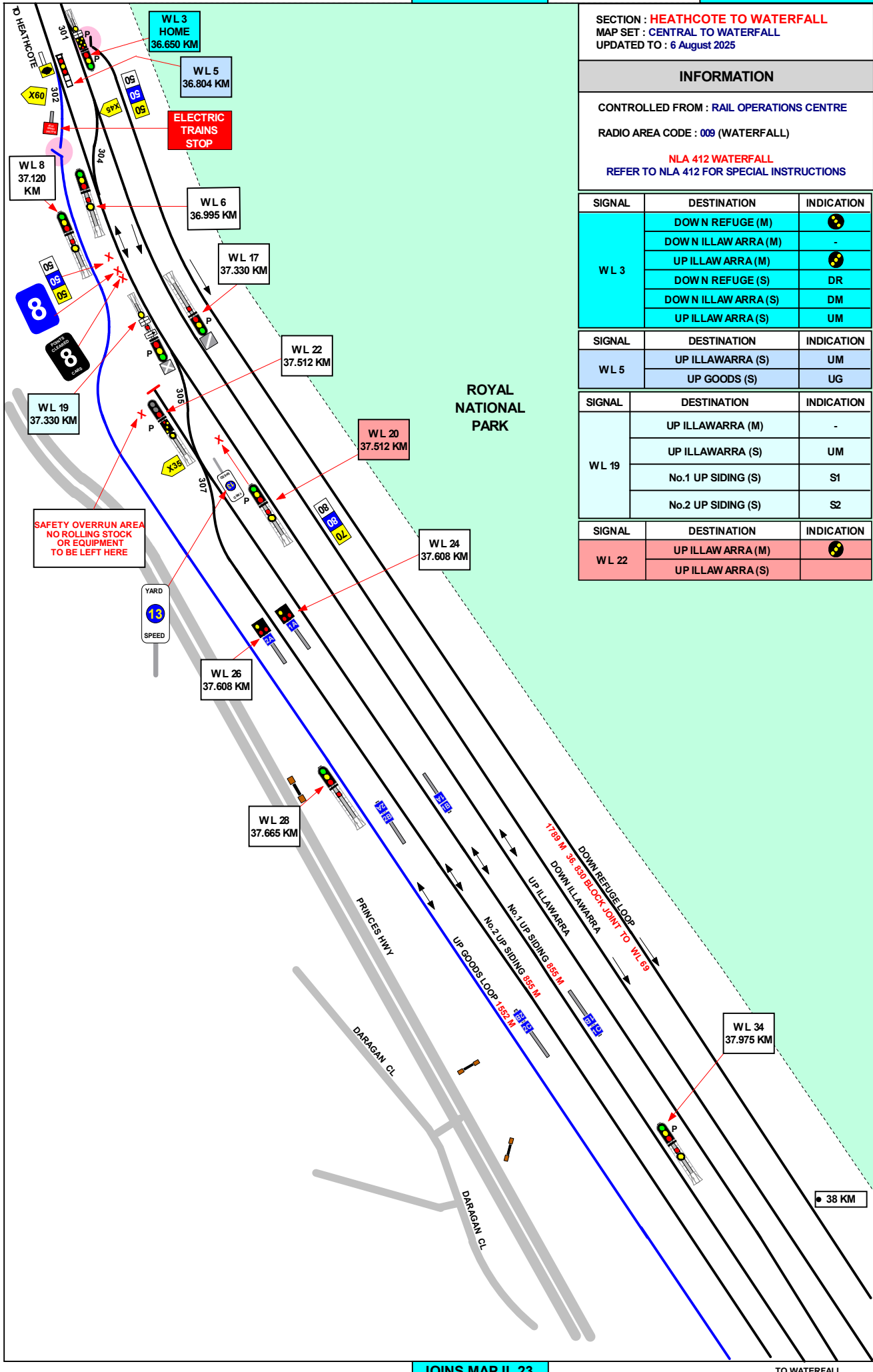
1 IN 90

ROYAL NATIONAL PARK

HEATHCOTE NATIONAL PARK

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| WL 3   | DOWN REFUGE (M)    |            |
|        | DOWN ILLAWARRA (M) | -          |
|        | UP ILLAWARRA (M)   |            |
|        | DOWN REFUGE (S)    | DR         |
|        | DOWN ILLAWARRA (S) | DM         |
|        | UP ILLAWARRA (S)   | UM         |





SECTION : **HEATHCOTE TO WATERFALL**  
 MAP SET **CENTRAL TO NOWRA**  
 PAGE : 1 OF 3  
 UPDATED TO : 03 March 2026

GRADIENT

## INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 009

METHOD OF WORKING : RAIL VEHICLE DETECTION  
SYSTEM

## APPENDICES

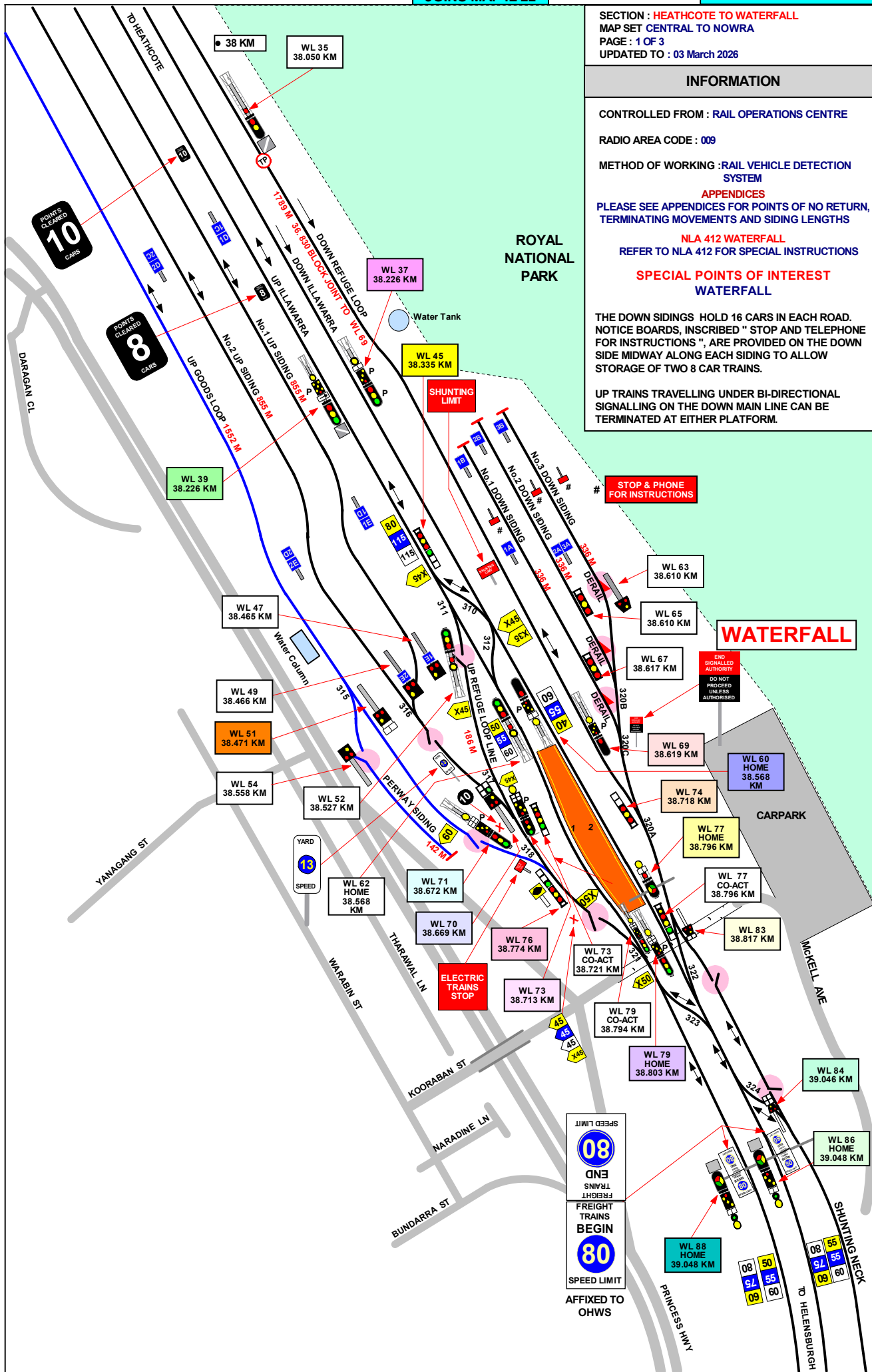
PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS

NLA 412 WATERFALL  
REFER TO NLA 412 FOR SPECIAL INSTRUCTIONS

SPECIAL POINTS OF INTEREST  
WATERFALL

THE DOWN SIDINGS HOLD 16 CARS IN EACH ROAD.  
NOTICE BOARDS, INSCRIBED " STOP AND TELEPHONE  
FOR INSTRUCTIONS ", ARE PROVIDED ON THE DOWN  
SIDE MIDWAY ALONG EACH SIDING TO ALLOW  
STORAGE OF TWO 8 CAR TRAINS.

UP TRAINS TRAVELLING UNDER BI-DIRECTIONAL  
SIGNALLING ON THE DOWN MAIN LINE CAN BE  
TERMINATED AT EITHER PLATFORM.



## WATERFALL

**CARPARK**

**SHUNTING NECK**

TO HELENSBURG

PRINCES HWY

**JOINS MAP IL 24**

**JOINS MAP IL 22**

- 38 KM

TO HEATHCOTE

ROYAL  
NATIONAL  
PARK

### Water Tank



Water Column

YANAGANG ST

WARABIN ST

THARAWAL LN

KOORAL

NARADINE LN

BUNDARRA ST

**DARAGAN CL**

SECTION : **HEATHCOTE TO WATERFALL**MAP SET : **CENTRAL TO WATERFALL**

PAGE : 3 OF 3

UPDATED TO : 16 September 2025

**APPENDICES**PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
TERMINATING MOVEMENTS AND SIDING LENGTHS**NLA 412 WATERFALL**

REFER TO NLA 412 FOR SPECIAL INSTRUCTIONS

| SIGNAL | DESTINATION             | INDICATION |
|--------|-------------------------|------------|
| W L 37 | DOWN ILLAWARRA MAIN (M) |            |
|        | UP ILLAWARRA (M)        |            |
|        | DOWN ILLAWARRA (S)      | DM         |
|        | UP ILLAWARRA (S)        | UM         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| W L 39 | DOWN ILLAWARRA (M) |            |
|        | UP ILLAWARRA (M)   |            |
|        | UP REFUGE (M)      |            |
|        | UP ILLAWARRA (S)   |            |

| SIGNAL | DESTINATION        | INDICATION    |
|--------|--------------------|---------------|
| W L 45 | DOWN ILLAWARRA (S) | DM            |
|        | UP MAIN (S)        | UM            |
|        |                    | - GREEN LIGHT |
|        | UP REFUGE (S)      | UR            |

| SIGNAL | DESTINATION       | INDICATION |
|--------|-------------------|------------|
| W L 51 | UP GOODS (S)      | UG         |
|        | PERWAY SIDING (S) | PS         |

| SIGNAL | DESTINATION      | INDICATION |
|--------|------------------|------------|
| W L 60 | UP ILLAWARRA (M) |            |
|        | UP ILLAWARRA (S) | UM         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| W L 69 | DOWN ILLAWARRA (M) |            |
|        | DOWN REFUGE (S)    |            |

| SIGNAL | DESTINATION        | INDICATION  |
|--------|--------------------|-------------|
| W L 70 | No.2 UP SIDING (S) | S2          |
|        | No.1 UP SIDING (S) | S1          |
|        | UP REFUGE (S)      | UR          |
|        |                    | GREEN LIGHT |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| W L 71 | DOWN ILLAWARRA (M) |            |
|        | UP ILLAWARRA (M)   |            |
|        | SHUNTING NECK (S)  | S          |
|        | DOWN ILLAWARRA (S) | DM         |
|        | UP ILLAWARRA (S)   | UM         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| W L 73 | DOWN ILLAWARRA (M) |            |
|        | UP ILLAWARRA (M)   |            |
|        | SHUNTING NECK (S)  | S          |
|        | DOWN ILLAWARRA (S) | DM         |
|        | UP ILLAWARRA (S)   | UM         |

| SIGNAL | DESTINATION     | INDICATION |
|--------|-----------------|------------|
| W L 74 | DOWN REFUGE (S) | DR         |
|        | DOWN SIDING (S) | DS         |

| SIGNAL | DESTINATION   | INDICATION  |
|--------|---------------|-------------|
| W L 76 | UP GOODS      | UG          |
|        | UP REFUGE (S) | UR          |
|        |               | GREEN LIGHT |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| W L 77 | DOWN ILLAWARRA (M) | -          |
|        | SHUNTING NECK (S)  | S          |
|        | DOWN ILLAWARRA (S) | DM         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| W L 79 | DOWN ILLAWARRA (M) |            |
|        | UP ILLAWARRA (M)   |            |
|        | SHUNTING NECK (S)  | S          |
|        | DOWN ILLAWARRA (S) | DM         |
|        | UP ILLAWARRA (S)   | UM         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| W L 83 | SHUNTING NECK (S)  | S          |
|        | DOWN ILLAWARRA (S) | DM         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| W L 84 | UP REFUGE (S)      | UR         |
|        | UP ILLAWARRA (S)   | UM         |
|        | DOWN ILLAWARRA (S) | DM         |
|        | DOWN REFUGE (S)    | DR         |

| SIGNAL | DESTINATION        | INDICATION |
|--------|--------------------|------------|
| W L 86 | UP GOODS LOOP (M)  | + G        |
|        | UP REFUGE (M) LSp  | UR         |
|        | UP REFUGE (M)      | + R        |
|        | UP ILLAWARRA (M)   | + U        |
|        | DOWN ILLAWARRA (M) | -          |
|        | UP REFUGE (S)      | UR         |
|        | UP ILLAWARRA (S)   | UM         |
|        | DOWN ILLAWARRA (S) | DM         |
|        | DOWN REFUGE (S)    | DR         |
|        |                    |            |

| SIGNAL | DESTINATION       | INDICATION |
|--------|-------------------|------------|
| W L 88 | UP GOODS LOOP (M) | + G        |
|        | UP REFUGE (M) LSp | UR         |
|        | UP REFUGE (M)     | + R        |
|        | UP ILLAWARRA (M)  | -          |
|        | UP REFUGE (S)     | UR         |
|        | UP ILLAWARRA (S)  | UM         |