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: October 2026

Version: 6.09

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.

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Information in these diagrams is uncontrolled.

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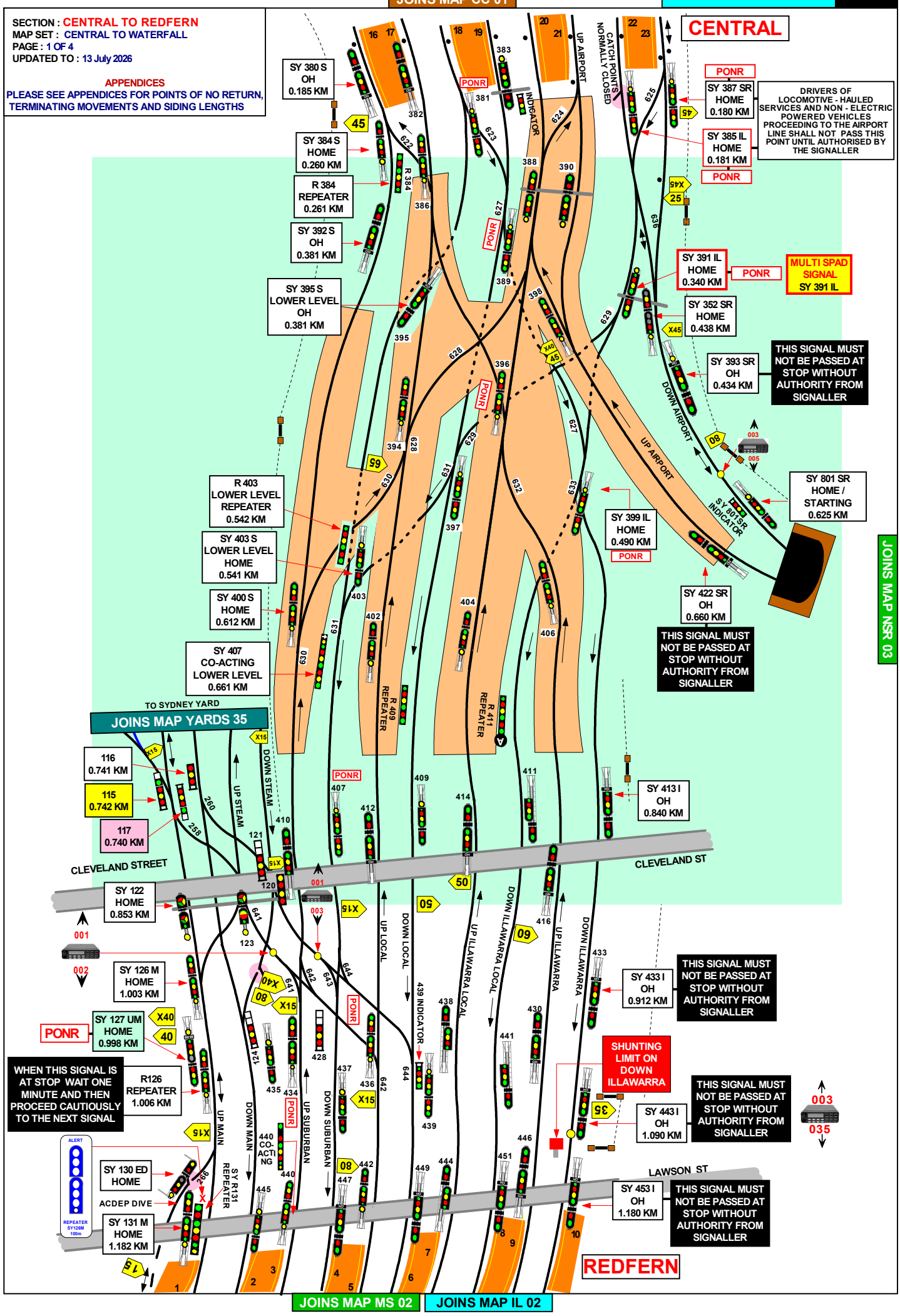
Location: CM Record No.D2015/579

JOINS MAP CC 01

SECTION : CENTRAL TO REDFERN
MAP SET : CENTRAL TO WATERFALL
PAGE : 1 OF 4
UPDATED TO : 13 July 2026

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



JOINS MAP NSR 03

JOINS MAP MS 02

JOINS MAP IL 02

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 LENGTHS

TWO WAY RUNNING BETWEEN ALL PLATFORMS IN SYDNEY YARD AND EVELIEGH YARD VIA ENGINE DIVE

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

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

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

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

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

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

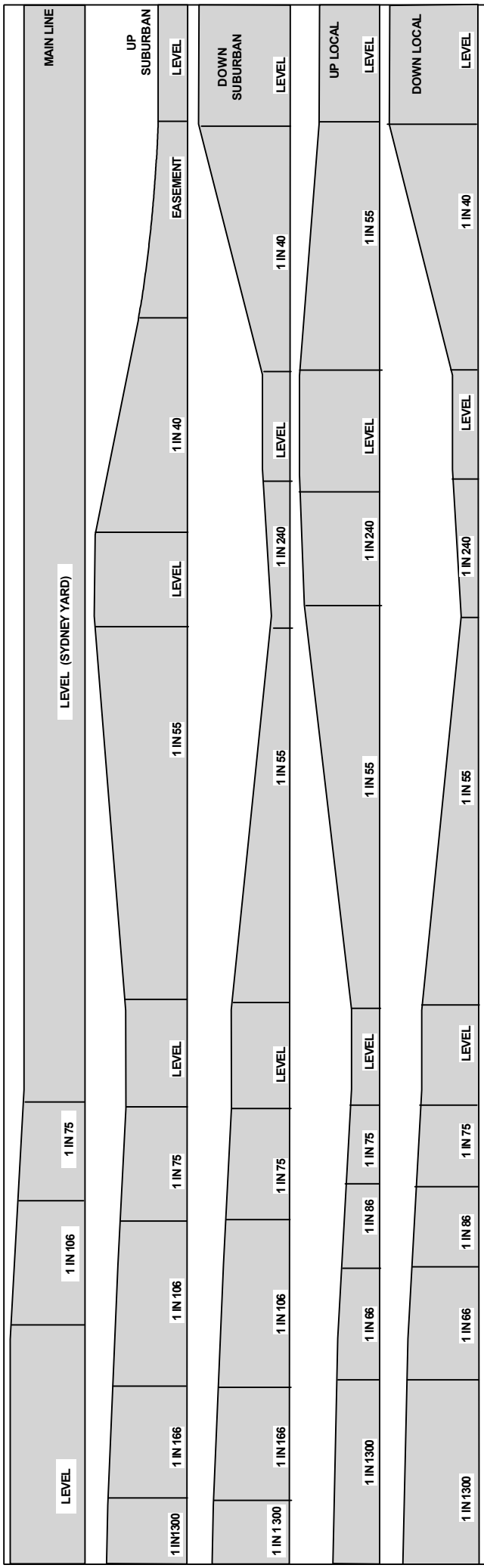
SIGNAL	DESTINATION	INDICATION
SY 124	DOWN MAIN (S)	DM
	DOWN STEAM (S)	DS

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:

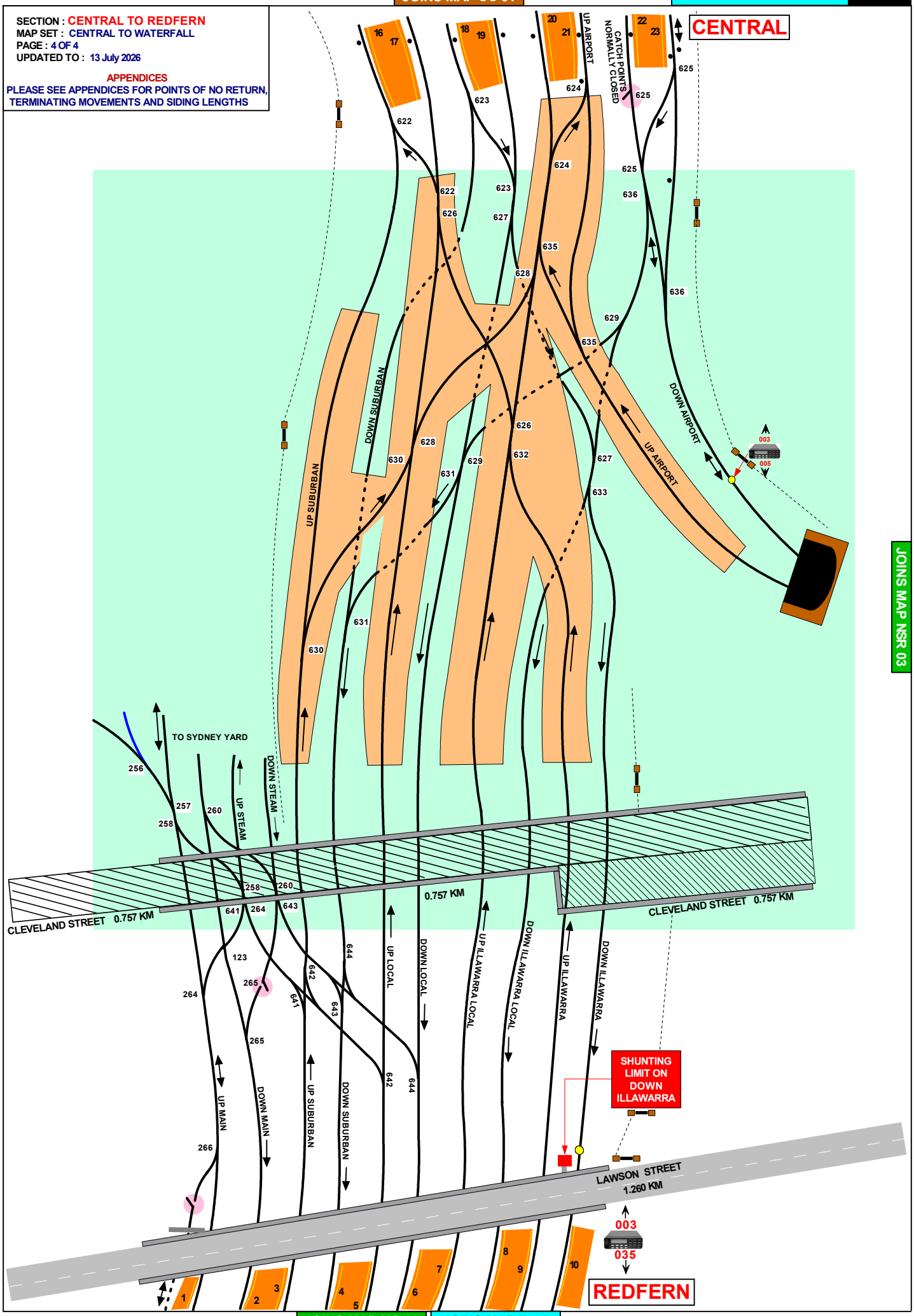
LINE	MARKER LOCATION
DOWN LOCAL	23 METRES IN APPROACH TO SIGNAL No. SY 397 L
UP LOCAL	16 METRES IN APPROACH TO SIGNAL No. SY 394 L
UP ILLAWARRA LOCAL	36 METRES IN APPROACH TO SIGNAL No. SY 388 IL, AND 16 METRES IN APPROACH TO SIGNAL No. 396 IL

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.

JOINS MAP CC 01

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

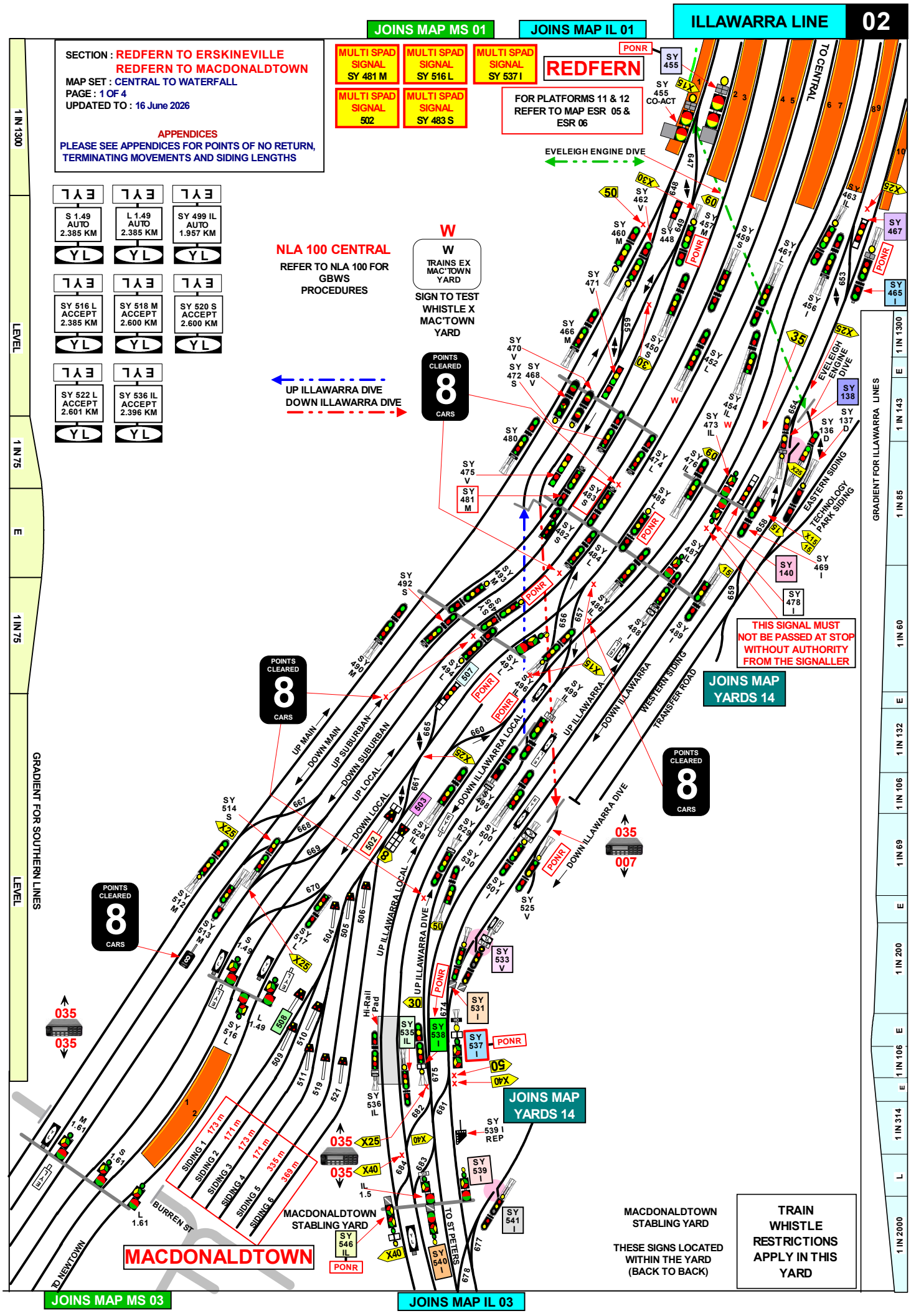
APPENDICES
PLEASE SEE APPENDICES FOR POINTS OF NO RETURN, TERMINATING MOVEMENTS AND SIDING LENGTHS



JOINS MAP NSR 03

JOINS MAP MS 02

JOINS MAP IL 02


JOINS MAP MS 01
JOINS MAP IL 01
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
MULTI SPAD SIGNAL SY 481 M
MULTI SPAD SIGNAL SY 516 L
MULTI SPAD SIGNAL SY 537 I
MULTI SPAD SIGNAL 502
MULTI SPAD SIGNAL SY 483 S
REDFERN
FOR PLATFORMS 11 & 12 REFER TO MAP ESR 05 & ESR 06
TO CENTRAL
EVELEIGH ENGINE DIVE
NLA 100 CENTRAL
REFER TO NLA 100 FOR GBWS PROCEDURES
W
TRAINS EX MAC'TOWN YARD
SIGN TO TEST WHISTLE X MAC'TOWN YARD
UP ILLAWARRA DIVE
DOWN ILLAWARRA DIVE
POINTS CLEARED 8 CARS
S 1.49 AUTO 2.385 KM
L 1.49 AUTO 2.385 KM
SY 499 IL AUTO 1.957 KM
SY 516 L ACCEPT 2.385 KM
SY 518 M ACCEPT 2.600 KM
SY 520 S ACCEPT 2.600 KM
SY 522 L ACCEPT 2.601 KM
SY 536 IL ACCEPT 2.396 KM
YL
EYL
UP MAIN
DOWN MAIN
UP SUBURBAN
DOWN SUBURBAN
UP LOCAL
DOWN LOCAL
UP ILLAWARRA LOCAL
DOWN ILLAWARRA LOCAL
UP ILLAWARRA DIVE
DOWN ILLAWARRA DIVE
UP ILLAWARRA
DOWN ILLAWARRA
WESTERN SIDING
TRANSFER ROAD
EASTERN SIDING
TECHNOLOGY PARK SIDING
THIS SIGNAL MUST NOT BE PASSED AT STOP WITHOUT AUTHORITY FROM THE SIGNALLER
JOINS MAP YARDS 14
GRADIENT FOR SOUTHERN LINES
GRADIENT FOR ILLAWARRA LINES
LEVEL
1 IN 1300
1 IN 75
1 IN 143
1 IN 85
1 IN 60
1 IN 132
1 IN 106
1 IN 69
1 IN 200
1 IN 314
1 IN 2000
Hi-Rail Pad
SIDING 1 173 m
SIDING 2 171 m
SIDING 3 173 m
SIDING 4 171 m
SIDING 5 335 m
SIDING 6 369 m
BURREN ST
TO NEWTOWN
MACDONALDTOWN
MACDONALDTOWN STABLING YARD
TO ST PETERS
MACDONALDTOWN STABLING YARD
THESE SIGNS LOCATED WITHIN THE YARD (BACK TO BACK)
TRAIN WHISTLE RESTRICTIONS APPLY IN THIS YARD
JOINS MAP MS 03
JOINS MAP IL 03

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

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

SY 480 M O/HOME 1.767 KM	SY 481 M 0/HOME 1.764 KM	SY 482 S AUTO 1.764 KM	SY 483 S O/HOME 1.764 KM	SY 484 L O/HOME 1.764 KM	SY 485 L HOME 1.796 KM	SY 486 IL O/HOME 1.818 KM	SY 487 IL HOME 1.796 KM	SY 488 I O/HOME 1.822 KM	SY 489 I AUTO 1.733 KM

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

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

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

MULTI SPAD SIGNAL SY 481 M

MULTI SPAD SIGNAL SY 516 L

MULTI SPAD SIGNAL SY 537 I

MULTI SPAD SIGNAL 502

MULTI SPAD SIGNAL SY 483 S

RADIO TRANSPONDER AREA NUMBERS

A →	001	002	003	035	001	258
← V	035	035	035	258	258	035

SECTION : REDFERN TO ERSKINEVILLE
REDFERN TO MACDONALDTOWN

MAP 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

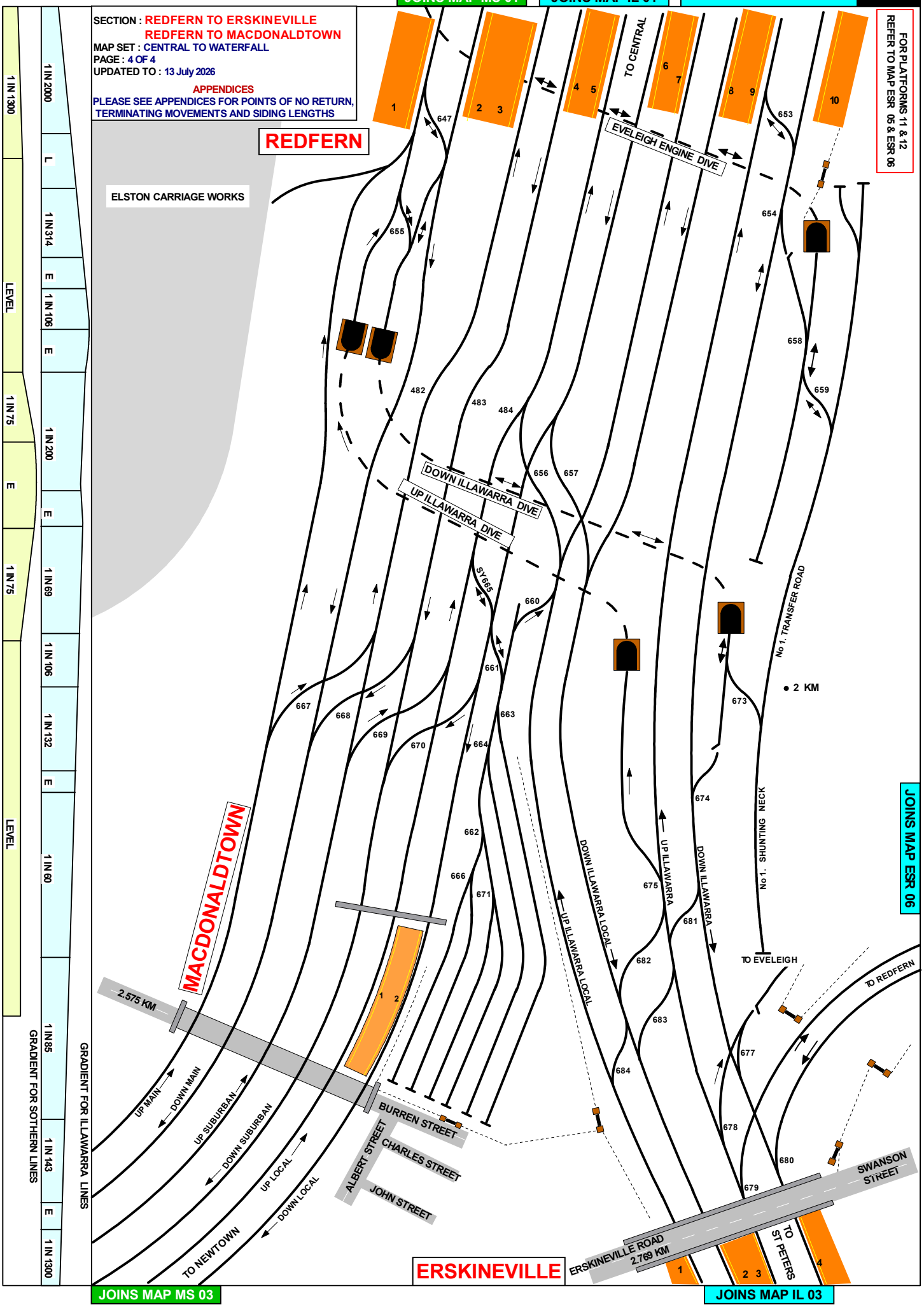
UL	UI

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



JOINS MAP IL 02

JOINS MAP ESR 06

SECTION : ERSKINVILLE TO ST PETERS
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 13 January 2026

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 004, 007 (SYDENHAM)

APPENDICES

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

SPECIAL POINTS OF INTEREST

WHEN TRAINS ARE DELAYED IN THE EASTERN SUBURBS RAILWAY AND CANNOT BE WORKED IN THE RIGHT RUNNING DIRECTION, YARD WORKING MAY BE AUTHORISED BY THE TRAIN CONTROLLER TO ALLOW TRAINS TO BE MOVED OUT OF THE TUNNELS.

YARD LIMITS ON THE EASTERN SUBURBS RAILWAY

TRACK	FROM	TO
UP ESR	THE TERMINAL ROAD AT BONDI JUNCTION	SIGNAL No. I 2.1 AT ERSKINVILLE
DOWN ILLAWARRA RELIEF		
UP ILLAWARRA RELIEF	SIGNAL No. SY544 AT ERSKINVILLE	THE STORAGE ROAD AT BONDI JUNCTION
DOWN ESR		

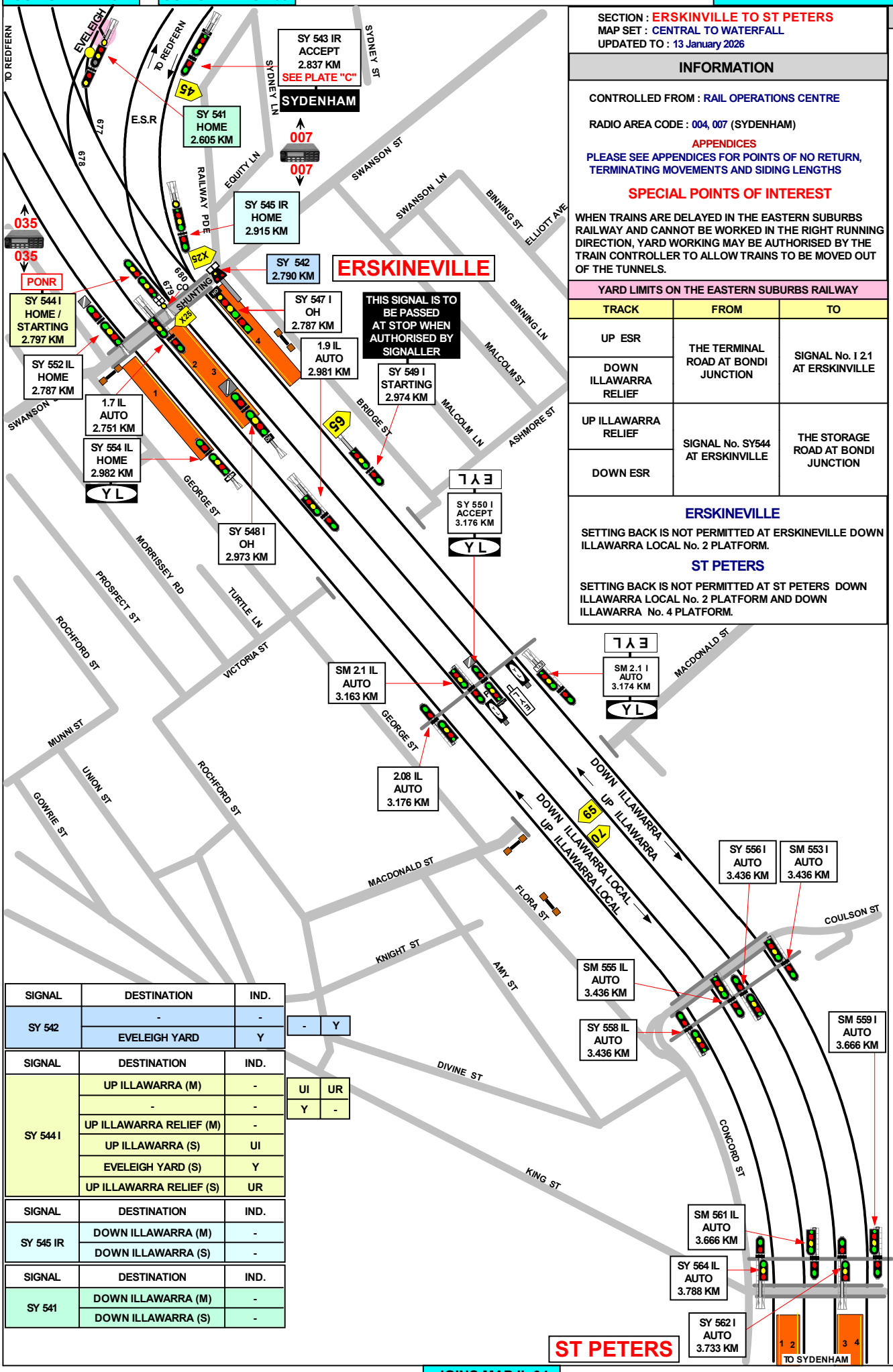
ERSKINEVILLE

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

ST PETERS

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

GRADIENT: 1 IN 32 | LEVEL | 1 IN 300 | 1 IN 100 | 1 IN 80 | 1 IN 233



SIGNAL	DESTINATION	IND.
SY 542	-	-
	EVELEIGH YARD	Y

-	Y

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

UI	UR
Y	-

SIGNAL	DESTINATION	IND.
SY 545 IR	DOWN ILLAWARRA (M)	-
	DOWN ILLAWARRA (S)	-

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

JOINS MAP IL 04

JOINS MAP IL 03

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

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

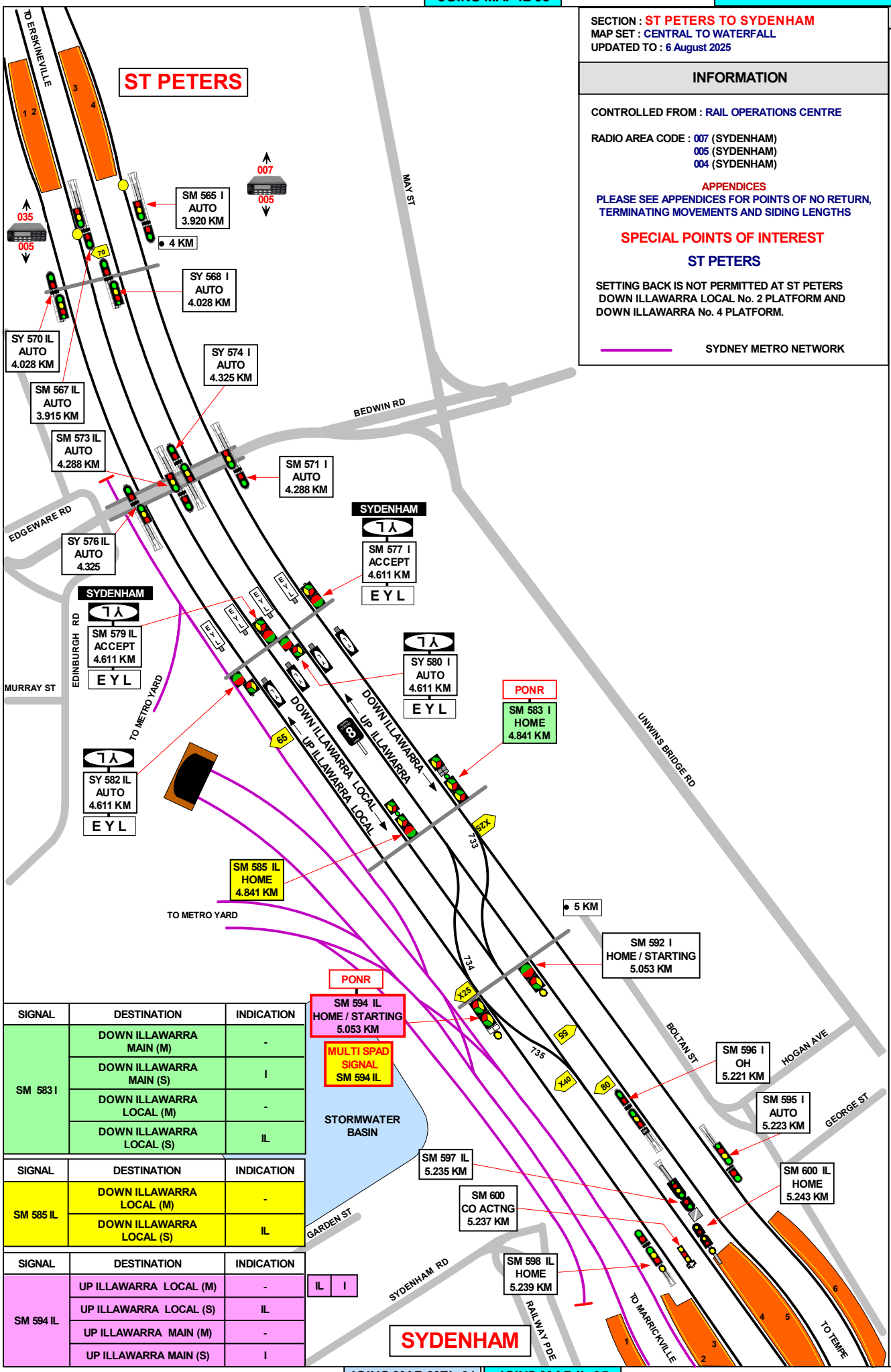
ST PETERS

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

SYDNEY METRO NETWORK

GRADIENT

1 IN 233
1 IN 110
1 IN 105
1 IN 388
1 IN 300
1 IN 330
1 IN 550
1 IN 440



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

IL	I

JOINS MAP MFL 01 JOINS MAP IL 05

JOINS MAP IL 04

SECTION : SYDENHAM TO TEMPE
MAP SET : CENTRAL TO WATERFALL
PAGE: 1 OF 2
UPDATED TO : 22 October 2026

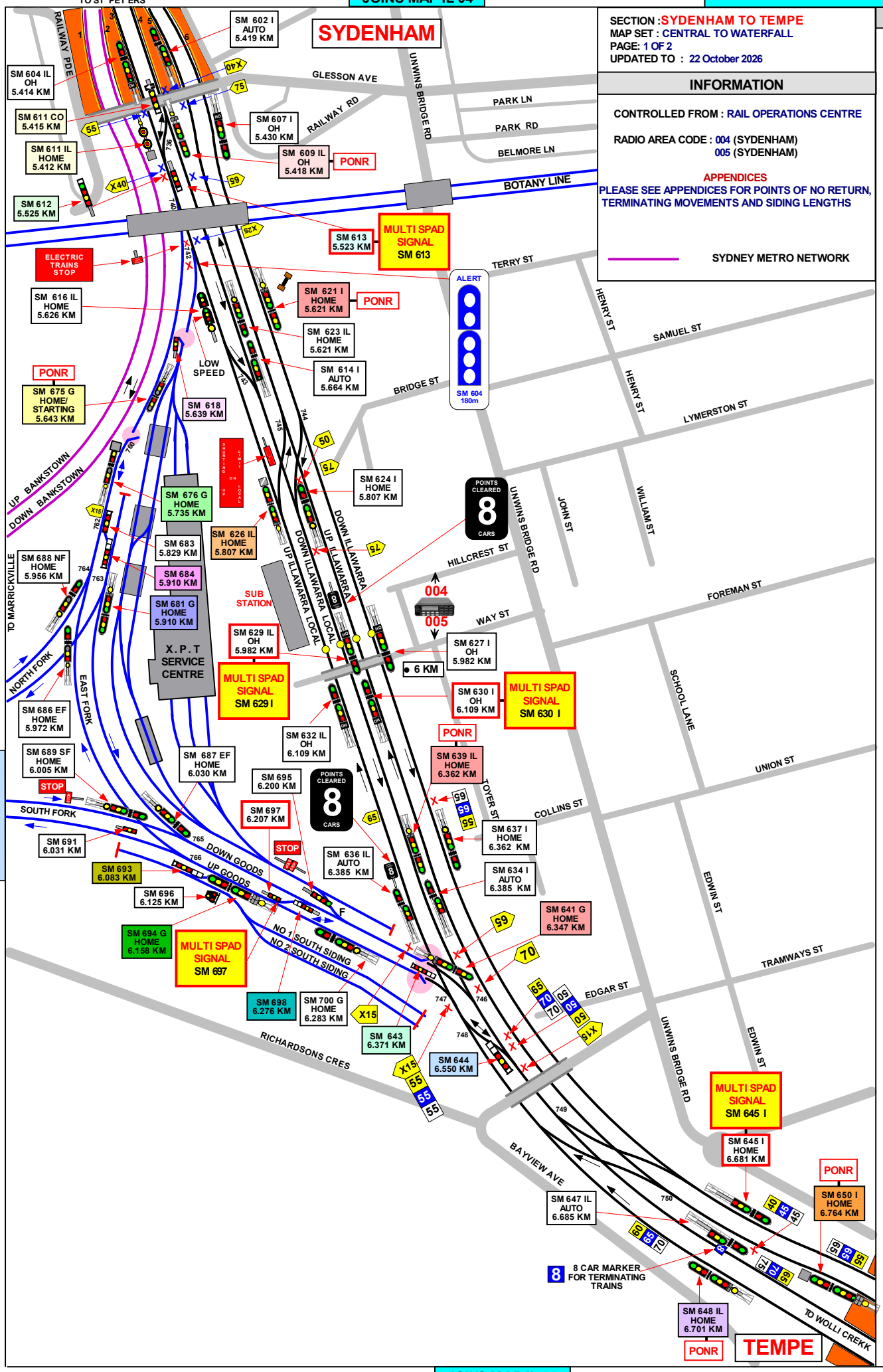
INFORMATION

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

SYDNEY METRO NETWORK



JOINS MAP IL 06

JOINS MAP MFL 02

GRADIENT
1 IN 440
1 IN 220
1 IN 367
LEVEL
1 IN 367
1 IN 286
1 IN 500

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 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

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

JOINS MAP IL 05

SECTION : TEMPE TO ARNCLIFFE
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 5 August 2026

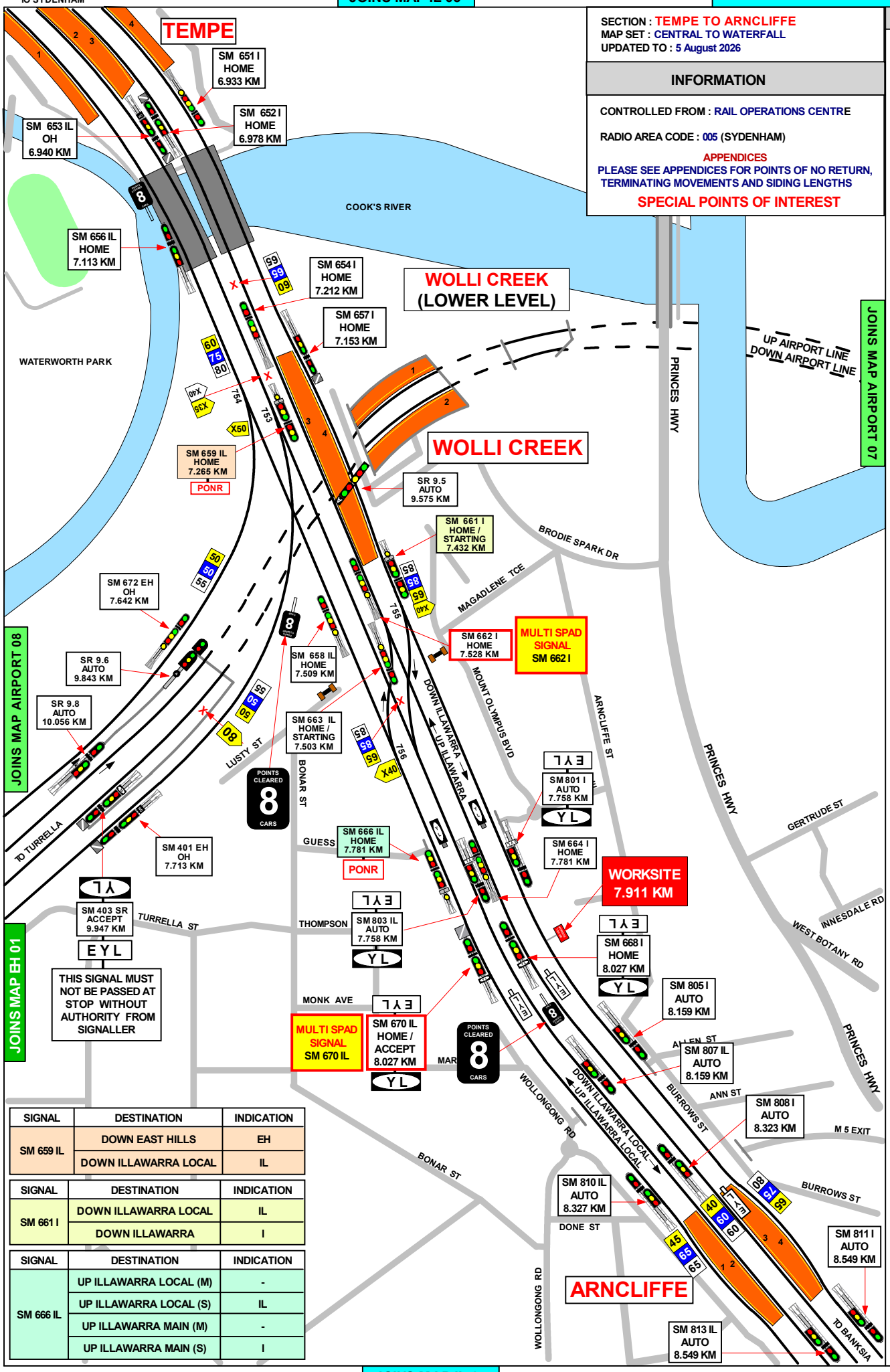
INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 005 (SYDENHAM)

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

SPECIAL POINTS OF INTEREST



SIGNAL	DESTINATION	INDICATION
SM 659 IL	DOWN EAST HILLS	EH
	DOWN ILLAWARRA LOCAL	IL

SIGNAL	DESTINATION	INDICATION
SM 661 I	DOWN ILLAWARRA LOCAL	IL
	DOWN ILLAWARRA	I

SIGNAL	DESTINATION	INDICATION
SM 666 IL	UP ILLAWARRA LOCAL (M)	-
	UP ILLAWARRA LOCAL (S)	IL
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	I

GRADIENT: 1 IN 500 | LEVEL | 1 IN185 | 1 IN 100 | 1 IN 87 | 1 IN 108 | 1 IN 70 | 1 IN 124 | 1 IN 93

JOINS MAP IL 07

JOINS MAP IL 06

SECTION : ARNCLIFFE TO ROCKDALE
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 2 September 2026

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 005 (SYDENHAM)

UP 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
KEY
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 814 I AUTO 8.584 KM
SM 816 IL AUTO 8.584 KM
9 KM
SM 817 I AUTO 8.945 KM SEE PLATE "B"
SM 819 IL AUTO 8.945 KM
SM 820 I AUTO 9.133 KM SEE PLATE "B"
SM 822 IL AUTO 9.133 KM SEE PLATE "B"
SM 823 I AUTO 9.290 KM SEE PLATE "B"
SM 825 IL AUTO 9.290 KM SEE PLATE "B"
SM 826 I AUTO 9.518 KM
SM 828 IL AUTO 9.518 KM
BANKSIA
SM 831 I AUTO/CONT HOME 9.700 KM SEE PLATE "A"
SM 833 IL AUTO/CONT HOME 9.700 KM SEE PLATE "A"
FRAME A
SM 834 I AUTO/CONT HOME 9.880 KM SEE PLATE "A"
SM 836 IL AUTO 9.880 KM
SM 837 I AUTO 10.142 KM
10 KM
WORKSITE 10.152 KM
SKS SM 840 I
WORKSITE 10.084 KM
SM 839 IL AUTO 10.142 KM
FRAME B
SM 840 I AUTO 10.320 KM SEE PLATE "B"
SKS SM 842 IL
SM 842 IL AUTO/CONT HOME 10.320 KM
ROCKDALE

TO WOLLI CREEK
EDEN ST
FOREST ST
SEGENHOE ST
PRINCES HWY
WARDELL ST
VIEW ST
AVENAL ST
TERRY ST
SOMERVILLE ST
ROACH ST
HATTERSLEY ST
MARINEA ST
MOUNT ST
SHORT ST
SUBWAY RD
KNIGHT ST
TABRETT ST
GODFREY ST
RAILWAY ST
MONAHAN AVE
BESTIC ST
BOWMER ST
UP ILLAWARRA LOCAL
DOWN ILLAWARRA LOCAL
DOWN ILLAWARRA
UP ILLAWARRA
DOWN PERWAY SIDING
BRYANT ST
JUDD ST
KIMPTON ST
ROCKDALE ST
VILLIERS ST
GLOUCESTER ST
UP PERWAY SIDING
GREEVES AVE
TO KOGARAH

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

JOINS MAP IL 08

JOINS MAP IL 07

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

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

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

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

PLATE "B"

DOWN MAIN
WORKSITE LIMITS SIGNAL KEY SWITCH AT SM 845 I SIGNAL TO SM 903 I SIGNAL

DOWN LOCAL
WORKSITE LIMITS SIGNAL KEY SWITCH AT SM 847 IL SIGNAL TO SM 905 IL SIGNAL

WORKSITE
KEY
DO NOT PASS AT STOP WITHOUT AUTHORITY

ROCKDALE

SKS SM 845 I

SM 845 I AUTO 10.515 KM

SKS SM 847 IL

SM 847 IL AUTO 10.515 KM

SM 848 I AUTO 10.703 KM SEE PLATE "B"

SM 850 IL AUTO 10.703 KM SEE PLATE "B"

WORKSITE 10.688 KM

SM 851 I AUTO 10.868 KM

SM 853 IL AUTO 10.868 KM

SM 854 I AUTO 11.080 KM

SM 856 IL AUTO 11.080 KM SEE PLATE "B"

SM 857 I AUTO 11.324 KM

SM 859 IL AUTO 11.324 KM

SM 860 I AUTO 11.519 KM

SM 862 IL AUTO 11.519 KM

SM 865 I AUTO 11.698 KM

SM 867 IL AUTO 11.698 KM

005
006

KOGARAH

WALZ ST
FREDERICK LN
WALZ LN
FREDERICK ST
RAILWAY ST
TO BANKSIA
GREEVES AVE
CROFTS LN
BAY ST
THE SEVEN WAYS
KEATS AVE
CHAPEL LN
CHAPEL ST
LISTER AVE
KING EDWARD ST
RAWSON ST
ALEXANDRA PDE
UP ILLAWARRA LOCAL
DOWN ILLAWARRA LOCAL
UP ILLAWARRA
DOWN ILLAWARRA
HEGERTY ST
SUBWAY RD
PRINCES HWY
HARROW RD
SUB STATION
BECONSFIELD ST
COONNEIMARRA ST
WASHINGTON ST
WARIALDA ST
CATHERINE ST
HOGBEN PARK
RAILWAY PDE
VICTORIA ST
PALMERSTON ST
STANLEY ST
STANLEY LN
RAILWAY LN
VICTOR ST
SEAFORTH ST
DUNMORE ST S
FRY'S RESERVE
GLADSTONE ST
REGENT ST
STATION ST
WOLSELEY ST
CADIA ST
ROBERTSON ST
POST OFFICE LN
QUEEN VICTORIA ST
CAR PARK
TO CARLTON
KITCHENER ST

GRADIENT
1 IN 388
1 IN 1100
1 IN 156
1 IN 132
1 IN 194
LEVEL
1 IN 66
1 IN 61
1 IN 65
1 IN 200
1 IN 275

JOINS MAP IL 09

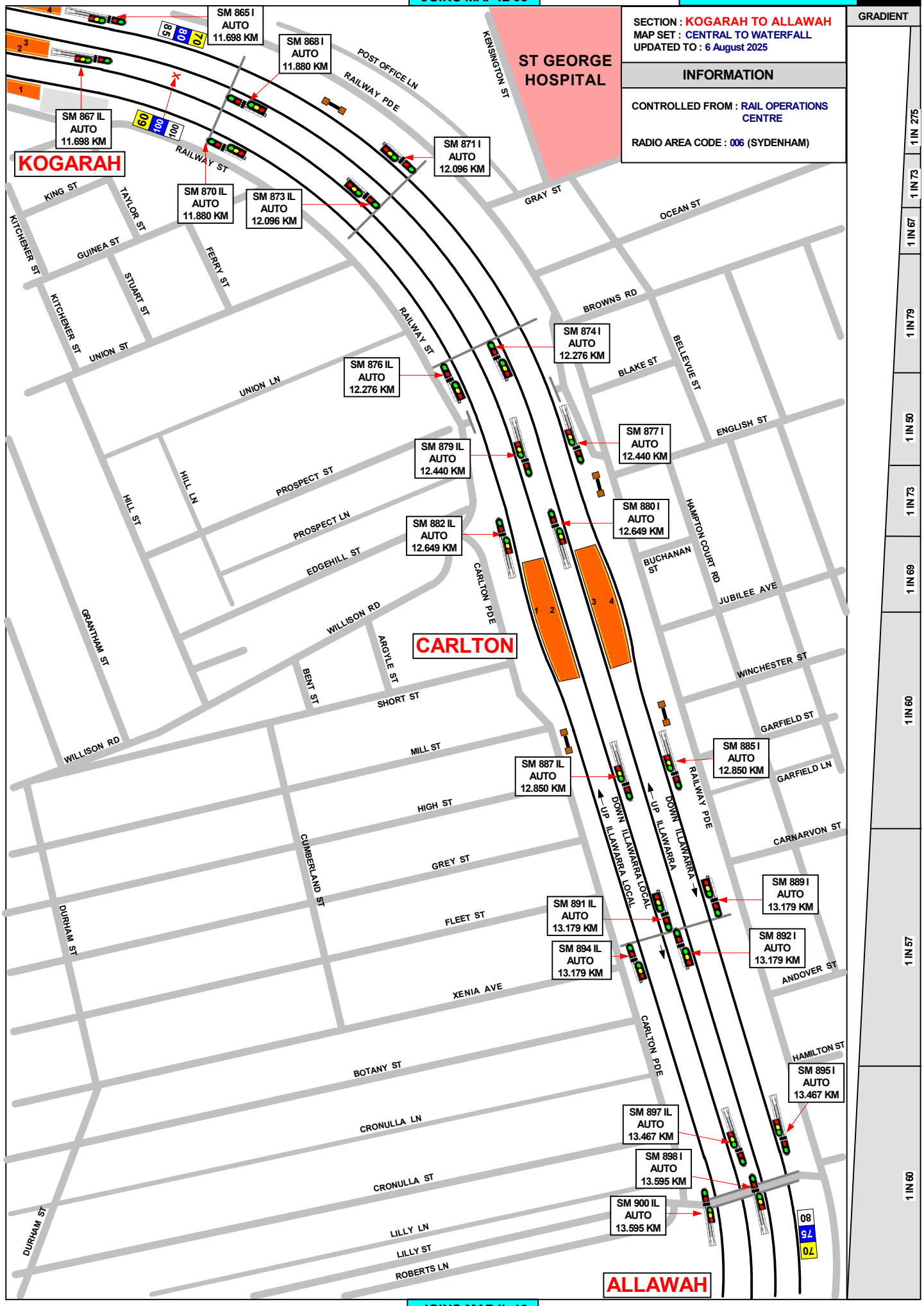
JOINS MAP IL 08

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)



JOINS MAP IL 10

JOINS MAP IL 09

SECTION : ALLAWAH TO HURSTVILLE
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 12 February 2026

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 006 (SYDENHAM)

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

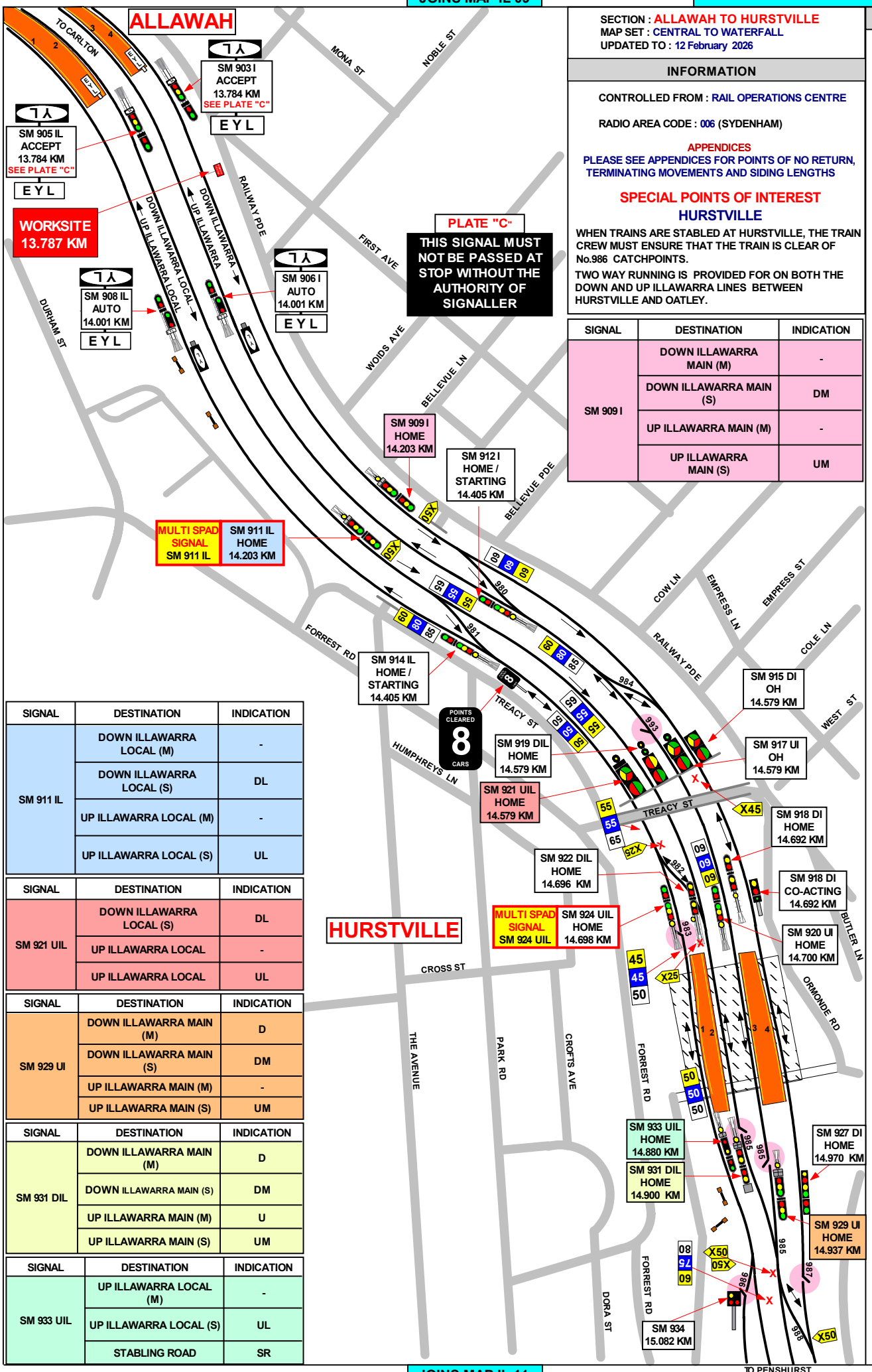
SPECIAL POINTS OF INTEREST

HURSTVILLE

WHEN TRAINS ARE STABLED AT HURSTVILLE, THE TRAIN CREW MUST ENSURE THAT THE TRAIN IS CLEAR OF No.986 CATCHPOINTS.

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

SIGNAL	DESTINATION	INDICATION
SM 909 I	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM



SIGNAL	DESTINATION	INDICATION
SM 911 IL	DOWN ILLAWARRA LOCAL (M)	-
	DOWN ILLAWARRA LOCAL (S)	DL
	UP ILLAWARRA LOCAL (M)	-
	UP ILLAWARRA LOCAL (S)	UL

SIGNAL	DESTINATION	INDICATION
SM 921 UIL	DOWN ILLAWARRA LOCAL (S)	DL
	UP ILLAWARRA LOCAL	-
	UP ILLAWARRA LOCAL	UL

SIGNAL	DESTINATION	INDICATION
SM 929 UI	DOWN ILLAWARRA MAIN (M)	D
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM

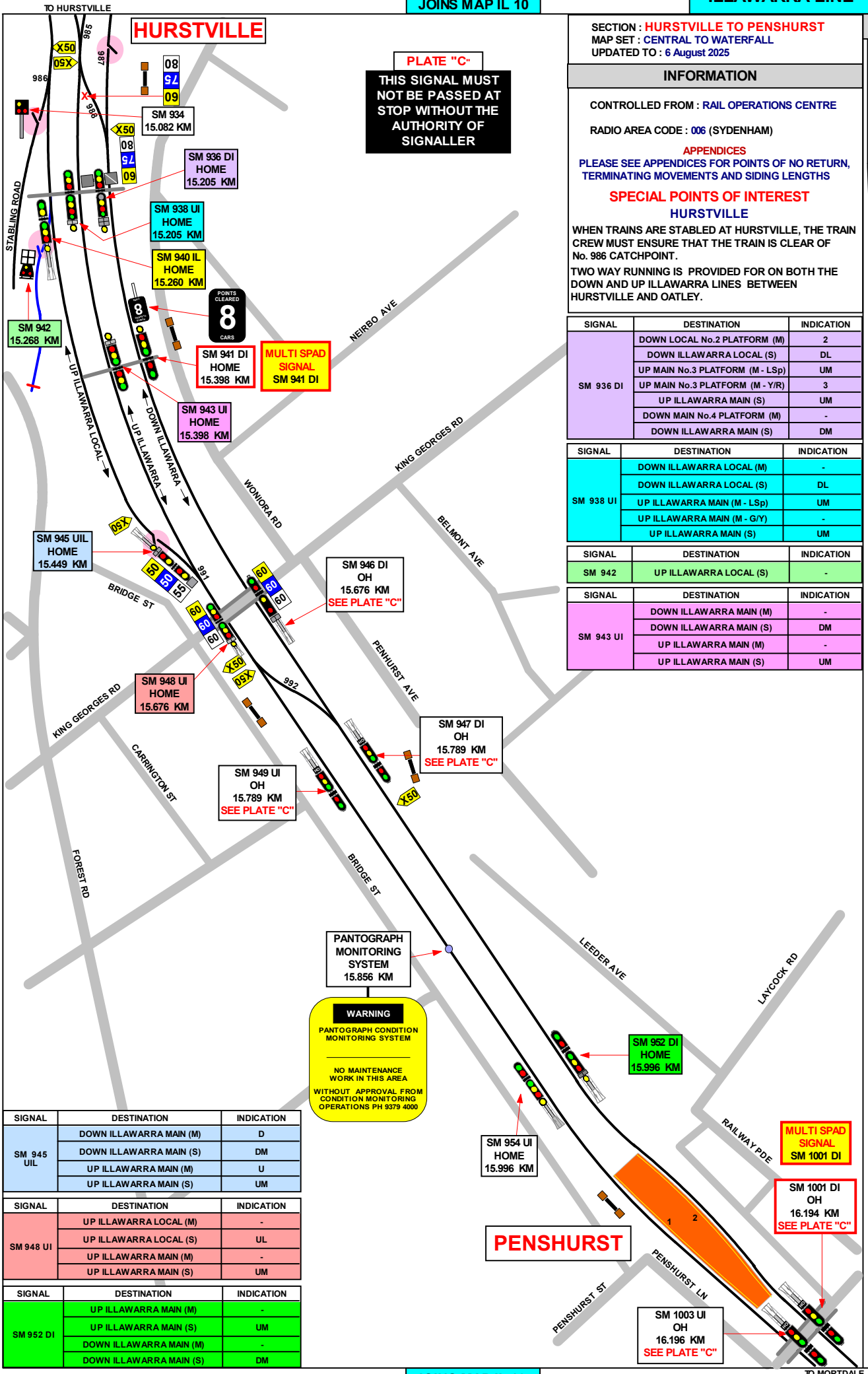
SIGNAL	DESTINATION	INDICATION
SM 931 DIL	DOWN ILLAWARRA MAIN (M)	D
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	U
	UP ILLAWARRA MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
SM 933 UIL	UP ILLAWARRA LOCAL (M)	-
	UP ILLAWARRA LOCAL (S)	UL
	STABLING ROAD	SR

GRADIENT: 1 IN 60 | 1 IN 138 | 1 IN 105 | 1 IN 120 | LEVEL

JOINS MAP IL 11

JOINS MAP IL 10



JOINS MAP IL 12

SECTION : HURSTVILLE TO PENSHURST
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 6 August 2025

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 006 (SYDENHAM)

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

SPECIAL POINTS OF INTEREST
HURSTVILLE

WHEN TRAINS ARE STABLED AT HURSTVILLE, THE TRAIN CREW MUST ENSURE THAT THE TRAIN IS CLEAR OF No. 986 CATCHPOINT.

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

SIGNAL	DESTINATION	INDICATION
SM 936 DI	DOWN LOCAL No.2 PLATFORM (M)	2
	DOWN ILLAWARRA LOCAL (S)	DL
	UP MAIN No.3 PLATFORM (M - LSp)	UM
	UP MAIN No.3 PLATFORM (M - Y/R)	3
	UP ILLAWARRA MAIN (S)	UM
	DOWN MAIN No.4 PLATFORM (M)	-
	DOWN ILLAWARRA MAIN (S)	DM

SIGNAL	DESTINATION	INDICATION
SM 938 UI	DOWN ILLAWARRA LOCAL (M)	-
	DOWN ILLAWARRA LOCAL (S)	DL
	UP ILLAWARRA MAIN (M - LSp)	UM
	UP ILLAWARRA MAIN (M - G/Y)	-
	UP ILLAWARRA MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
SM 942	UP ILLAWARRA LOCAL (S)	-

SIGNAL	DESTINATION	INDICATION
SM 943 UI	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
SM 945 UIL	DOWN ILLAWARRA MAIN (M)	D
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	U
	UP ILLAWARRA MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
SM 948 UI	UP ILLAWARRA LOCAL (M)	-
	UP ILLAWARRA LOCAL (S)	UL
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
SM 952 DI	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM
	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM

GRADIENT
LEVEL
1 IN 287
1 IN 73
1 IN 85

JOINS MAP IL 11

SECTION : PENSHURST TO MORTDALE
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 2 June 2026

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 006 (SYDENHAM)

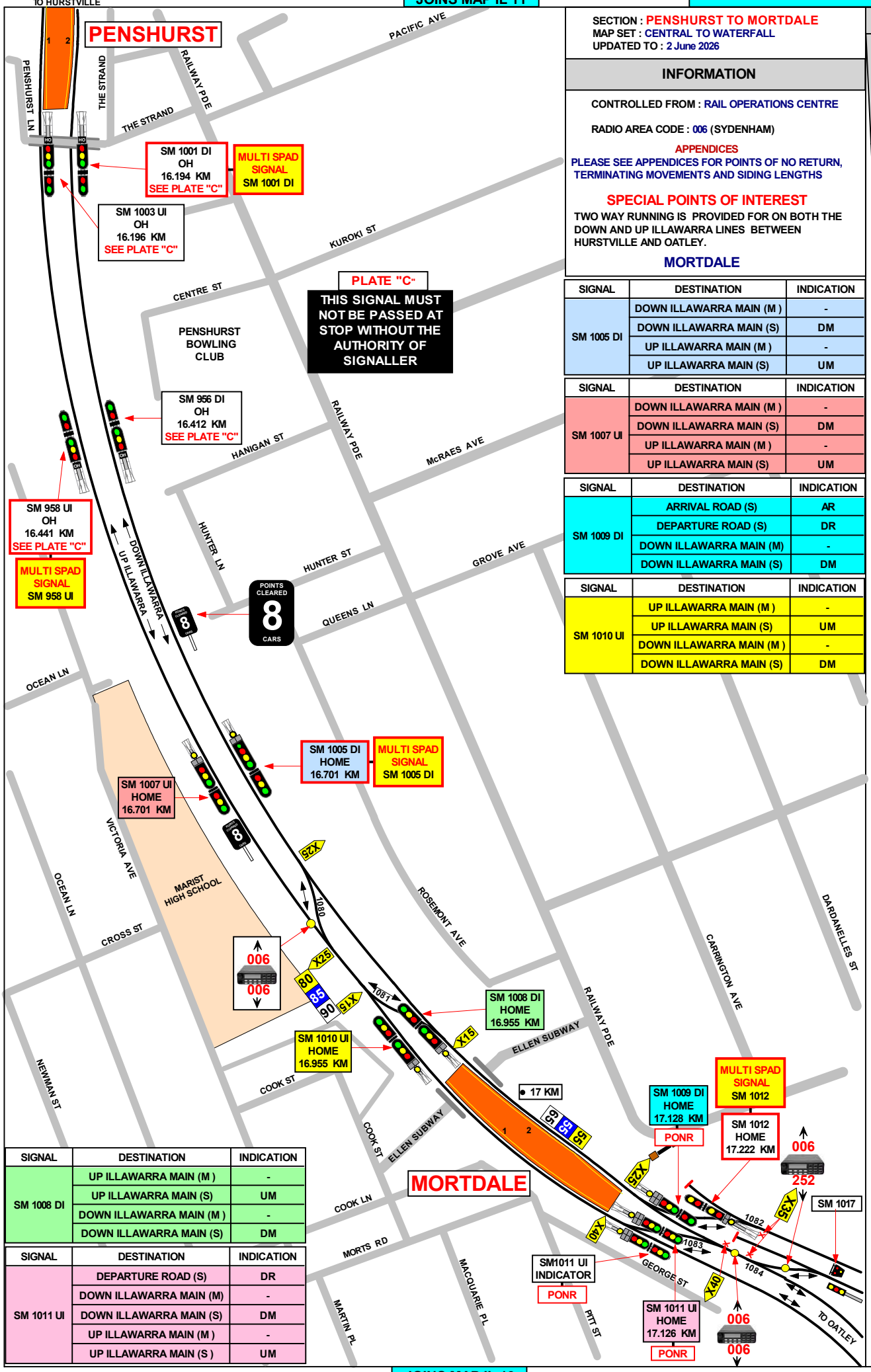
APPENDICES

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

SPECIAL POINTS OF INTEREST

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

GRADIENT: 1 IN 85 | 1 IN 110 | 1 IN 80 | 1 IN 77



MORTDALE

SIGNAL	DESTINATION	INDICATION
SM 1005 DI	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
SM 1007 UI	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM

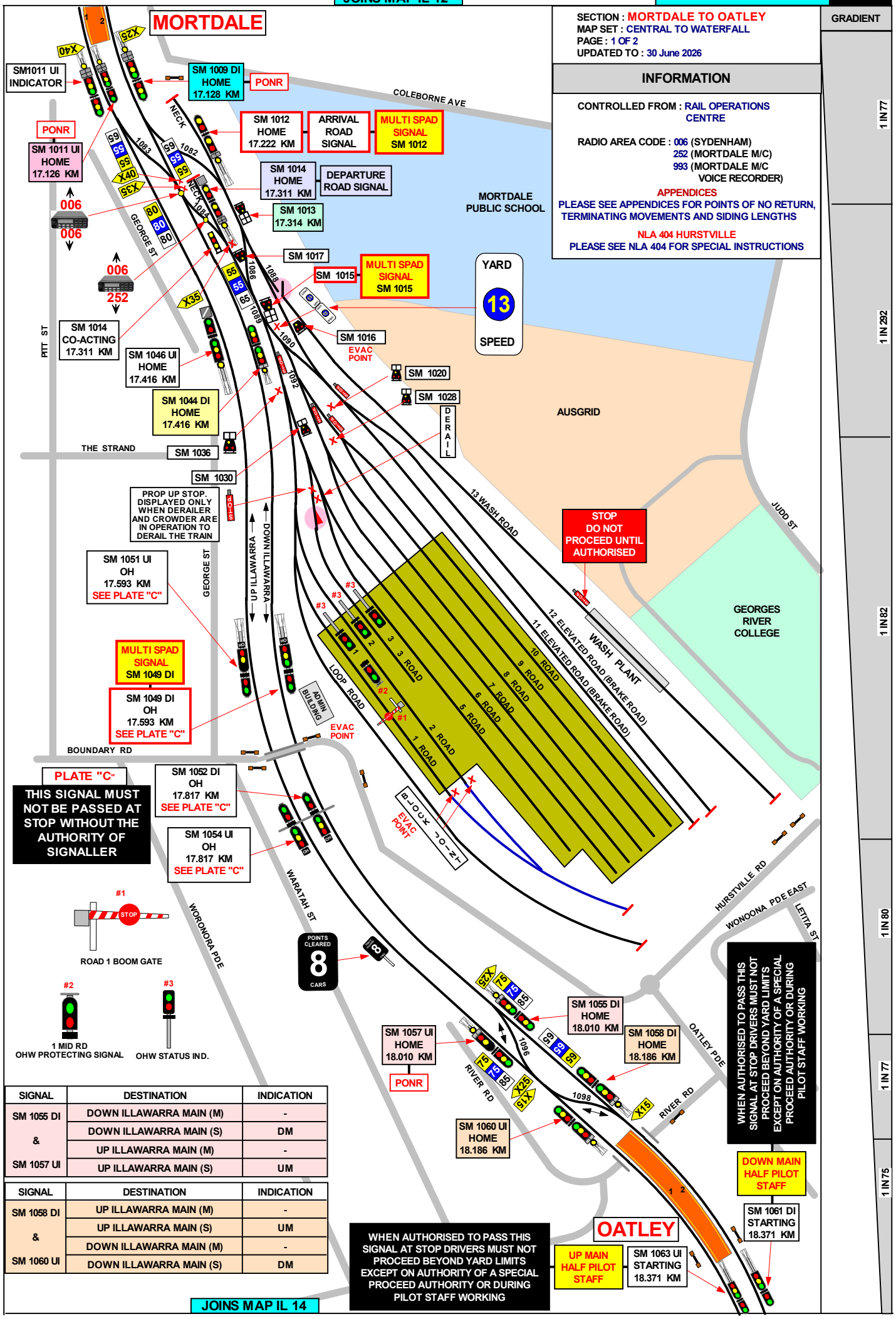
SIGNAL	DESTINATION	INDICATION
SM 1009 DI	ARRIVAL ROAD (S)	AR
	DEPARTURE ROAD (S)	DR
	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM

SIGNAL	DESTINATION	INDICATION
SM 1010 UI	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM
	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM

SIGNAL	DESTINATION	INDICATION
SM 1008 DI	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM
	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM

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

JOINS MAP IL 13



SIGNAL	DESTINATION	INDICATION
SM 1055 DI & SM 1057 UI	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
SM 1058 DI & SM 1060 UI	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM
	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM

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

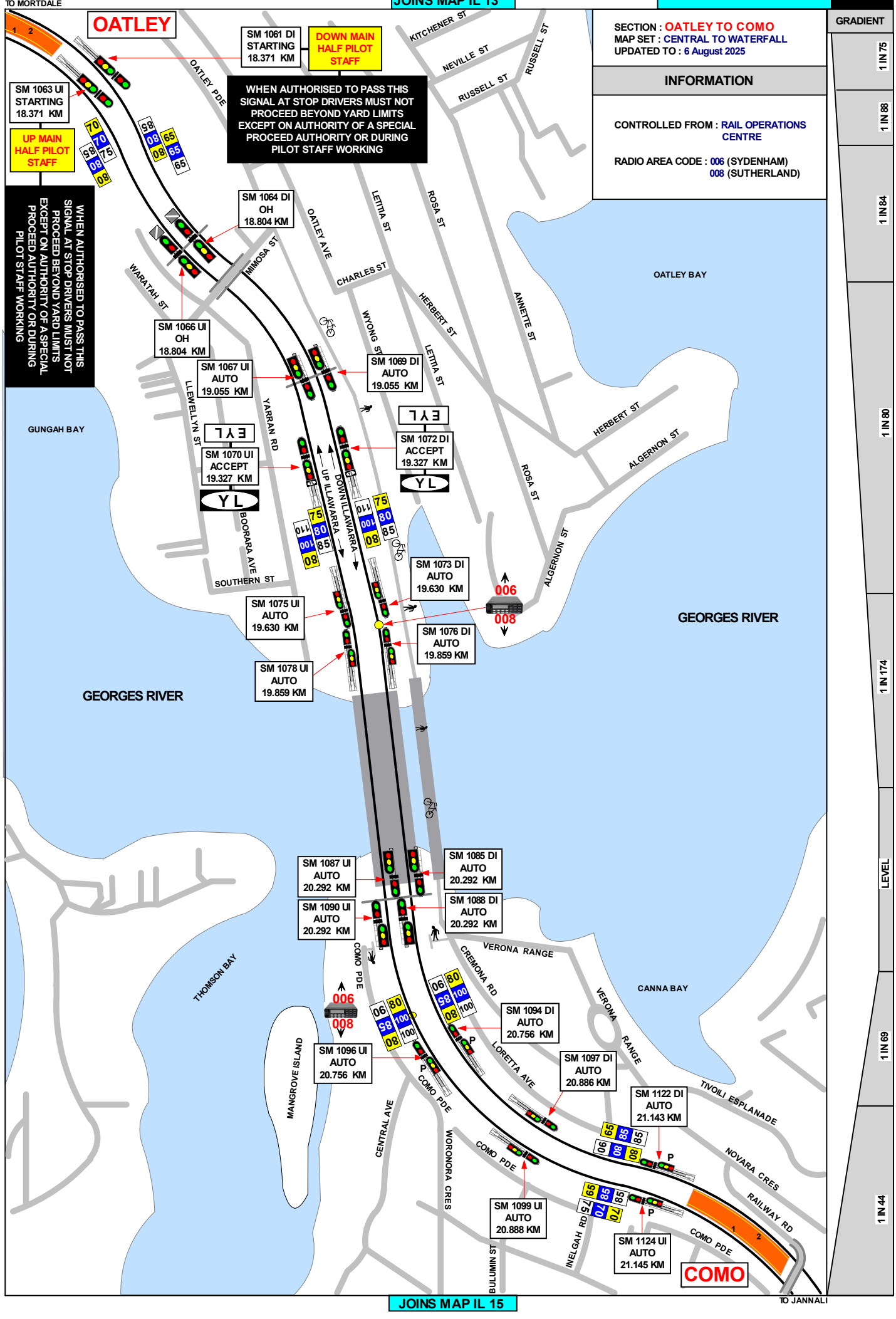
SIGNAL	DESTINATION	INDICATION
SM 1015	ELEVATED ROADS (S)	ER
	9 - 10 INSPECTION ROADS (S)	9 I
	7 - 8 INSPECTION ROADS (S)	7 I
	1 - 6 INSPECTION ROADS (S)	1 I

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 & SM 1028 & SM 1036 & SM 1030	DEPARTURE ROAD	DR
	ARRIVAL ROAD	AR


JOINS MAP IL 13
TO MORTDALE
OATLEY
SM 1061 DI STARTING 18.371 KM
DOWN MAIN HALF PILOT STAFF
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
SM 1063 UI STARTING 18.371 KM
UP MAIN HALF PILOT STAFF
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
SM 1064 DI OH 18.804 KM
SM 1066 UI OH 18.804 KM
SM 1067 UI AUTO 19.055 KM
SM 1069 DI AUTO 19.055 KM
SM 1070 UI ACCEPT 19.327 KM
SM 1072 DI ACCEPT 19.327 KM
SM 1073 DI AUTO 19.630 KM
SM 1075 UI AUTO 19.630 KM
SM 1076 DI AUTO 19.859 KM
SM 1078 UI AUTO 19.859 KM
SM 1087 UI AUTO 20.292 KM
SM 1085 DI AUTO 20.292 KM
SM 1090 UI AUTO 20.292 KM
SM 1088 DI AUTO 20.292 KM
SM 1094 DI AUTO 20.756 KM
SM 1096 UI AUTO 20.756 KM
SM 1097 DI AUTO 20.886 KM
SM 1122 DI AUTO 21.143 KM
SM 1099 UI AUTO 20.888 KM
SM 1124 UI AUTO 21.145 KM
COMO
JOINS MAP IL 15
TO JANNALI
SECTION : OATLEY TO COMO
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 6 August 2025
INFORMATION
CONTROLLED FROM : RAIL OPERATIONS CENTRE
RADIO AREA CODE : 006 (SYDENHAM)
008 (SUTHERLAND)
GRADIENT
1 IN 75
1 IN 88
1 IN 84
1 IN 80
1 IN 174
LEVEL
1 IN 69
1 IN 44
GUNGAH BAY
OATLEY BAY
GEORGES RIVER
THOMSON BAY
MANGROVE ISLAND
CANNA BAY
OATLEY PDE
KITCHENER ST
NEVILLE ST
RUSSELL ST
LETITIA ST
ROSA ST
OATLEY AVE
CHARLES ST
HERBERT ST
ANNETTE ST
ALGERNON ST
WARATAH ST
MIMMOSA ST
WYONG ST
LLEWELLYN ST
YARRAN RD
BOORARA AVE
SOUTHERN ST
UP ILLAWARRA
DOWN ILLAWARRA
VERONA RANGE
CREMONA RD
LORETTA AVE
TIVOLI ESPLANADE
NOVARA CRES
RAILWAY RD
COMO PDE
CENTRAL AVE
WORONORA CRES
BULUMIN ST
INELGAH RD

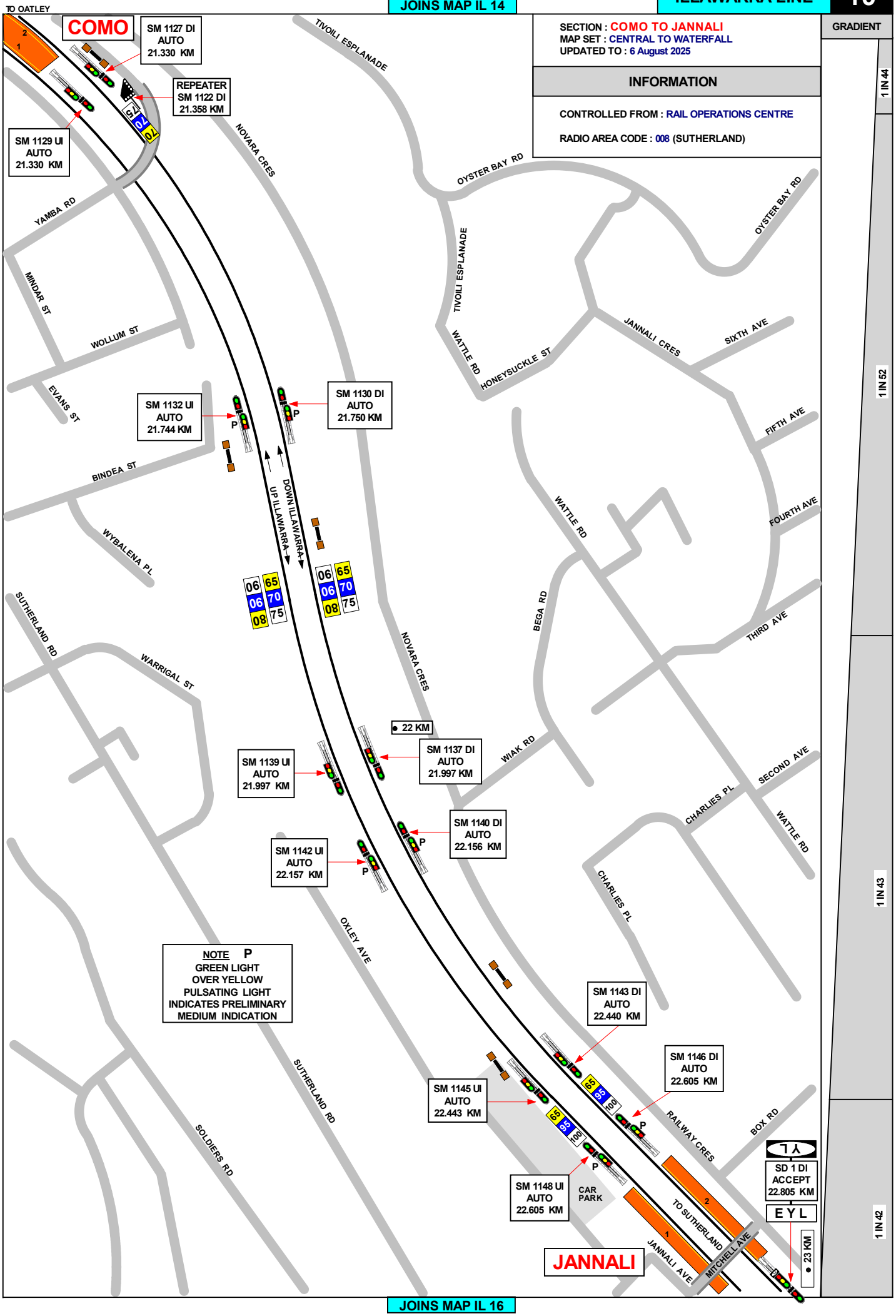
JOINS MAP IL 14

SECTION : COMO TO JANNALI
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 6 August 2025

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 008 (SUTHERLAND)



JOINS MAP IL 16

JOINS MAP IL 15

SECTION : JANNALI TO SUTHERLAND
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 1 October 2026

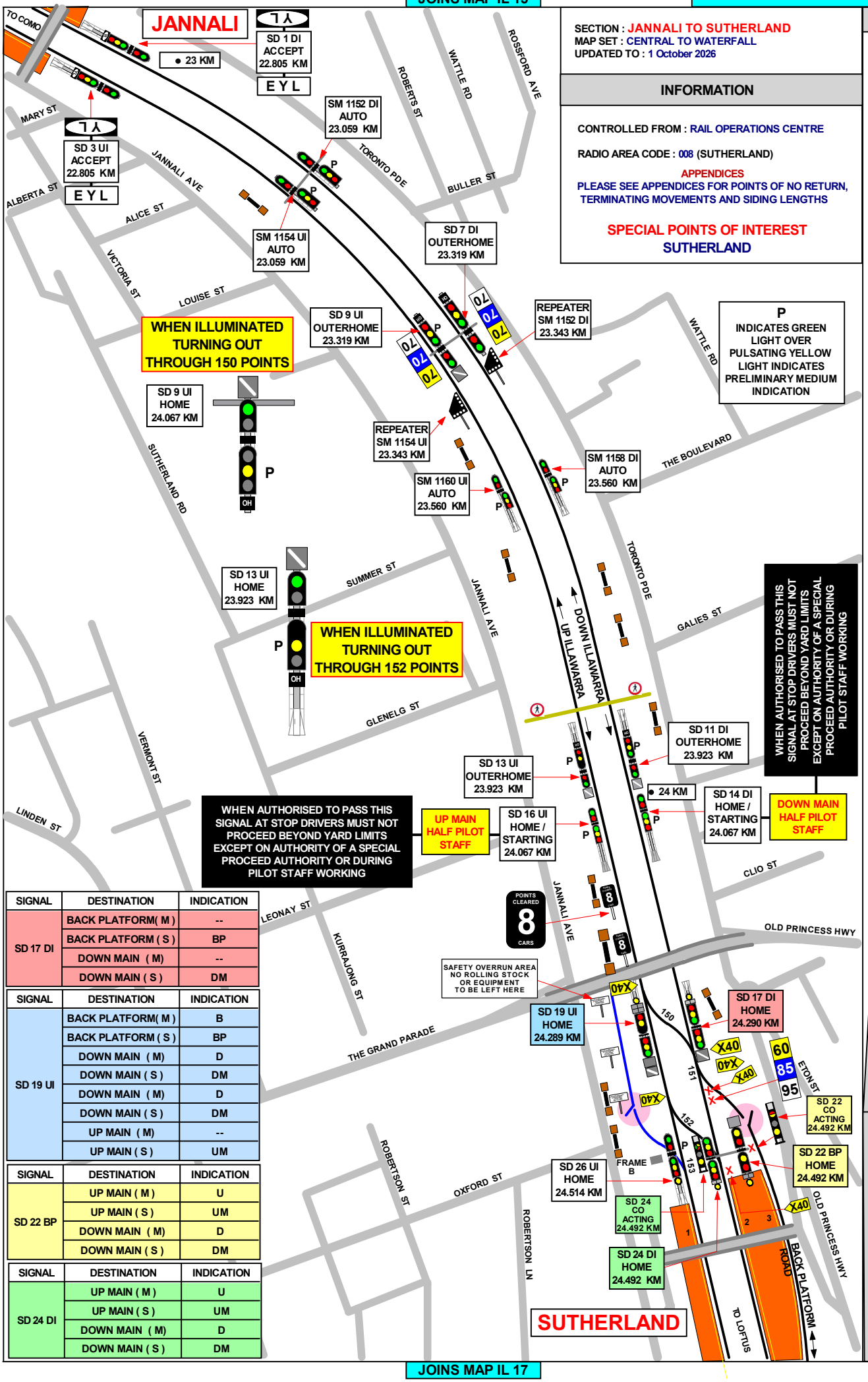
INFORMATION

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



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

GRADIENT
1 IN 42
1 IN 40
1 IN 43
1 IN 44
1 IN 42
1 IN 44
1 IN 660

JOINS MAP IL 17

JOINS MAP IL 16

SECTION : SUTHERLAND TO LOFTUS
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 1 October 2026

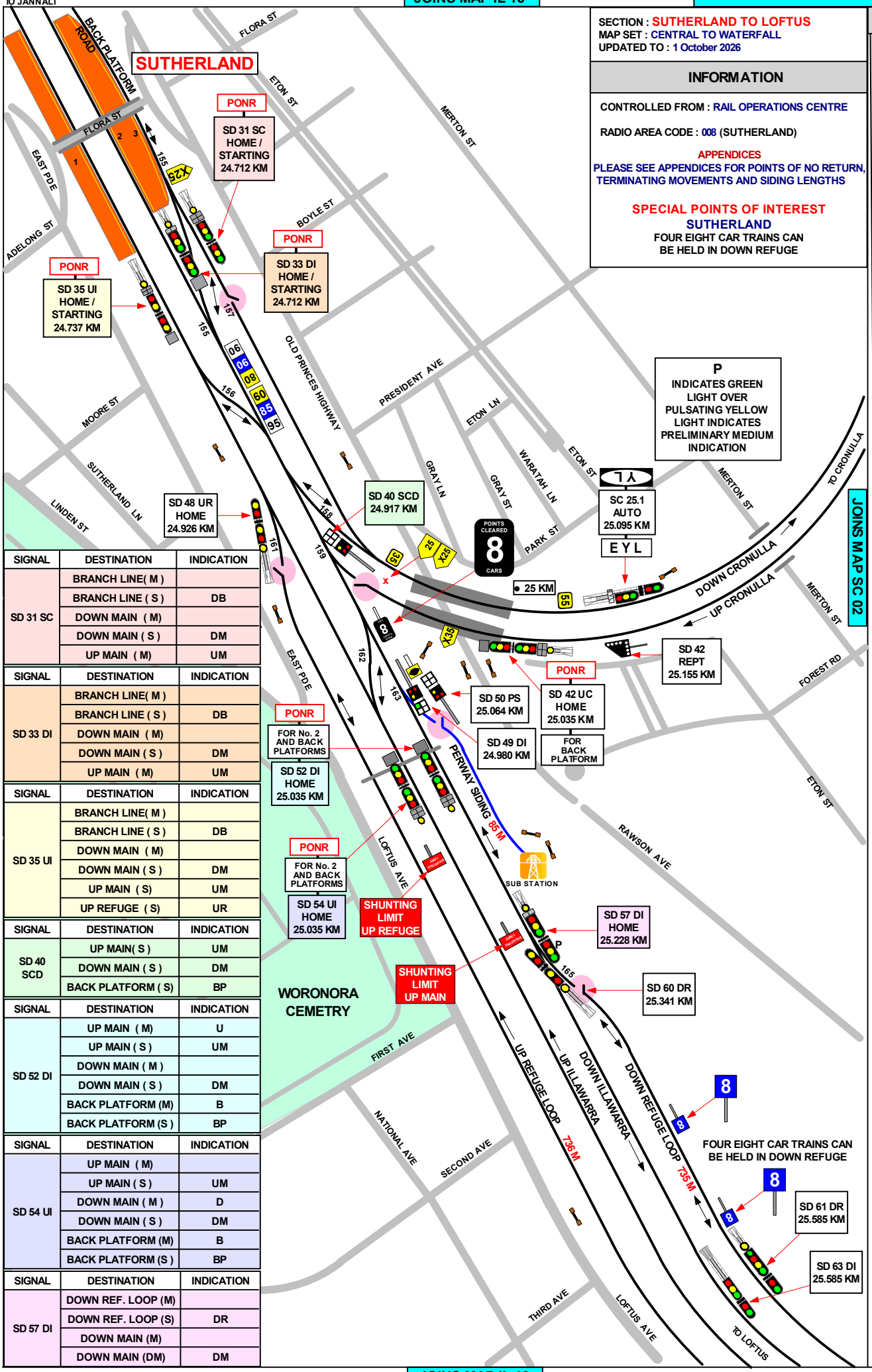
INFORMATION

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



SIGNAL	DESTINATION	INDICATION
SD 31 SC	BRANCH LINE(M)	
	BRANCH LINE (S)	DB
	DOWN MAIN (M)	
	DOWN MAIN (S)	DM
	UP MAIN (M)	UM

SIGNAL	DESTINATION	INDICATION
SD 33 DI	BRANCH LINE(M)	
	BRANCH LINE (S)	DB
	DOWN MAIN (M)	
	DOWN MAIN (S)	DM
	UP MAIN (M)	UM

SIGNAL	DESTINATION	INDICATION
SD 35 UI	BRANCH LINE(M)	
	BRANCH LINE (S)	DB
	DOWN MAIN (M)	
	DOWN MAIN (S)	DM
	UP MAIN (S)	UM
	UP REFUGE (S)	UR

SIGNAL	DESTINATION	INDICATION
SD 40 SCD	UP MAIN(S)	UM
	DOWN MAIN (S)	DM
	BACK PLATFORM (S)	BP

SIGNAL	DESTINATION	INDICATION
SD 52 DI	UP MAIN (M)	U
	UP MAIN (S)	UM
	DOWN MAIN (M)	
	DOWN MAIN (S)	DM
	BACK PLATFORM (M)	B
	BACK PLATFORM (S)	BP

SIGNAL	DESTINATION	INDICATION
SD 54 UI	UP MAIN (M)	
	UP MAIN (S)	UM
	DOWN MAIN (M)	D
	DOWN MAIN (S)	DM
	BACK PLATFORM (M)	B
	BACK PLATFORM (S)	BP

SIGNAL	DESTINATION	INDICATION
SD 57 DI	DOWN REF. LOOP (M)	
	DOWN REF. LOOP (S)	DR
	DOWN MAIN (M)	
	DOWN MAIN (DM)	DM

GRADIENT

1 IN 660

1 IN 330

JOINS MAP IL 18

JOINS MAP IL 17

SECTION : SUTHERLAND TO LOFTUS
MAP SET : CENTRAL TO WATERFALL
UPDATED TO : 23 October 2026

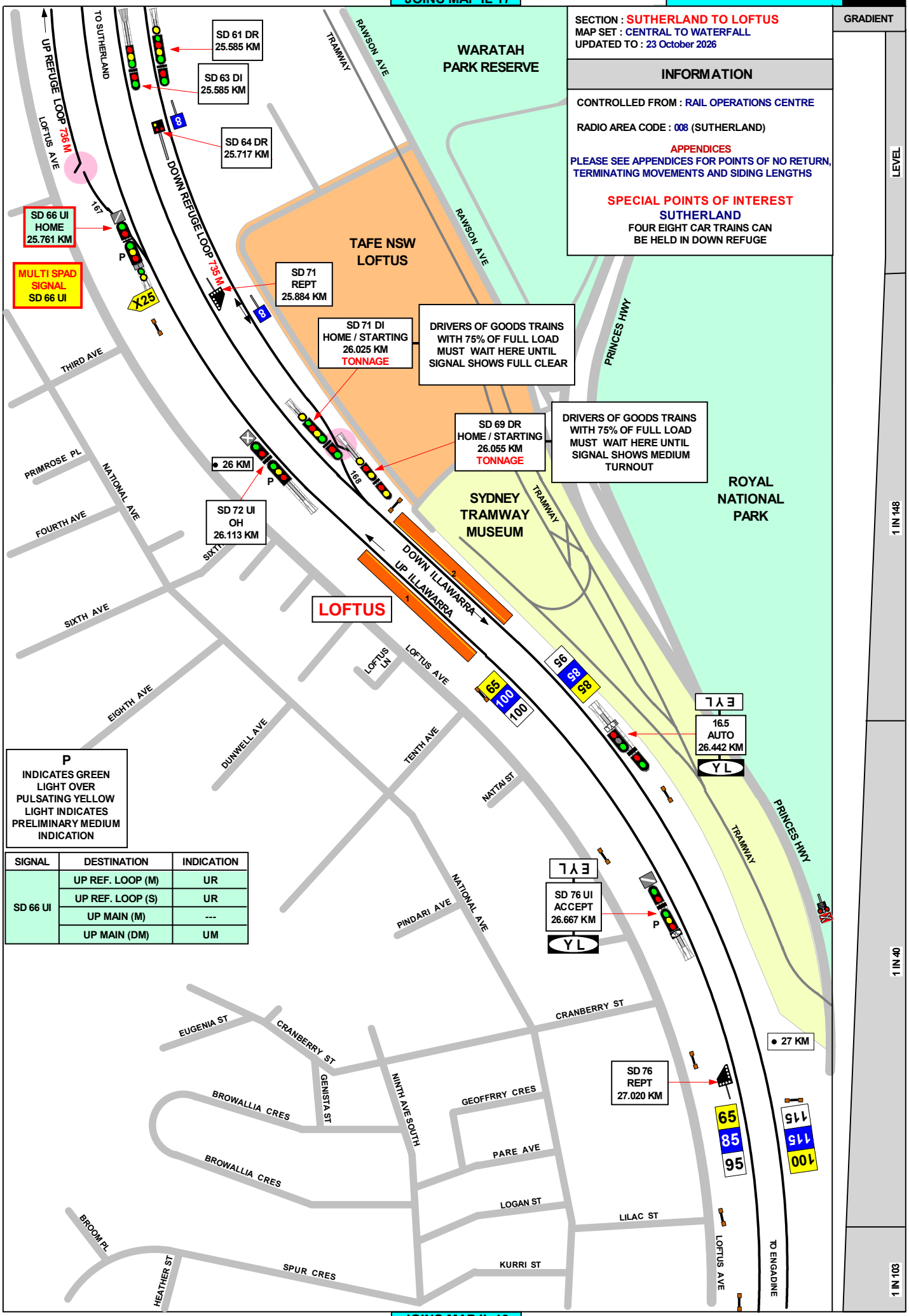
INFORMATION

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

SIGNAL	DESTINATION	INDICATION
SD 66 UI	UP REF. LOOP (M)	UR
	UP REF. LOOP (S)	UR
	UP MAIN (M)	---
	UP MAIN (DM)	UM

JOINS MAP IL 19

JOINS MAP IL 18

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

28 KM
TO LOFTUS
PRINCES HWY
FARNELL AVE
LILAC ST
NATIONAL AVE
LOFTUS AVE
ORCHID ST
BEGIN SINGLE LIGHT INDICATION
17.4 AUTO 28.051 KM
17.5 AUTO 28.050 KM
P
SPUR CRES
CHESTNUT ST
MYRTLE ST
PRINCES HWY
ROYAL NATIONAL PARK
DOWN ILLAWARRA
UP ILLAWARRA
70
85
95
WHEATLEY RD
ROSEBOURNE ST
NULLABOR PL
CARNARVON ST
WATER TOWER
29 KM
GILES ST
GLENORA RD
URANA RD
BRIDGEVIEW RD
OLD BUSH RD
DOVER PL
18.4 AUTO 29.520 KM
END SINGLE LIGHT INDICATION
HAKEA ST
SLADDEN RD
18.3 AUTO 29.520 KM
WARNING
WAYSIDE DETECTION SYSTEM
ENGADINE 29.482 kms
NO TRACK WORK IN AREA
WITHOUT APPROVAL FROM TRAIN MONITORING SYSTEMS UNIT
PHONE (02) 9739 4000
LAURINA AVE
SLADDEN RD
BROOKE ST
DOBELL RD
PORTER RD
DOWN AND UP BBT's REPORT TO SYDENHAM SIGNALBOX (SUTHERLAND PANEL)
CALDARRA AVE
BIROK AVE
PRINCES HWY
30 KM
ANZAC AVE
CALDARRA AVE
OLD PRINCES HWY
ENGADINE
2
1
DERNANCOURT AVE
CALDARRA AVE
CAMBRAI AVE
STATION ST
BULLECOURT AVE
DUBARDA ST
CHIPILLY AVE
WARATAH RD
ENGADINE PL
19.1 AUTO 30.873 KM
008
009
GEEBUNG LN
PRESTON AVE
BANKSIA AVE
OLD PRINCES HWY
ENGADINE AVE
19.2 AUTO 30.890 KM
LAYDEN AVE
PRINCES HWY
TO HEATHCOTE
BANKSIA AVE

JOINS MAP IL 20

JOINS MAP IL 19

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

ENGADINE

19.2
AUTO
30.890 KM

19.1
AUTO
30.873 KM

31 KM

008
009

ROYAL
NATIONAL
PARK

PRINCESS HWY
OLD PRINCESS HWY
AUCKLAND ST
COPELAND RD
NUMANTIA RD
NAPIER ST
HEATHCOTE RD
DOWN ILLAWARRA
UP ILLAWARRA
110
100
85
32 KM
THE AVENUE
FOREST RD
JACANA GR
20.1
AUTO
32.264 KM
WILSON PDE
110
100
100
PRINCESS HWY
20.0
AUTO
32.264 KM
80
115
115
MULTI SPAD
SIGNAL
20.0
JANA PL
ODEON PL
COPELAND RD
BOTTLE FOREST RD
ELECTRA ST
CORINTH RD
DALLEY RD
JUNCTION RD
WILLANDRA PDE
BLACKET ST
GREVILLEA GR
HUNTER ST
STRICKLAND ST
ROSEBERY ST
KING ST
ABBOTT RD
PARKES ST
MARTIN ST
LYNE LN
VENO ST
HEATH LN
PRINCESS HWY
BYRNES LN
33 KM
80
100
110
115
115
100
OLIVER ST
DORSET RD
OLIVER ST
BUNDARY RD
FREEMAN RD
ROSEBERY ST
1
2
HEATHCOTE

JOINS MAP IL 21

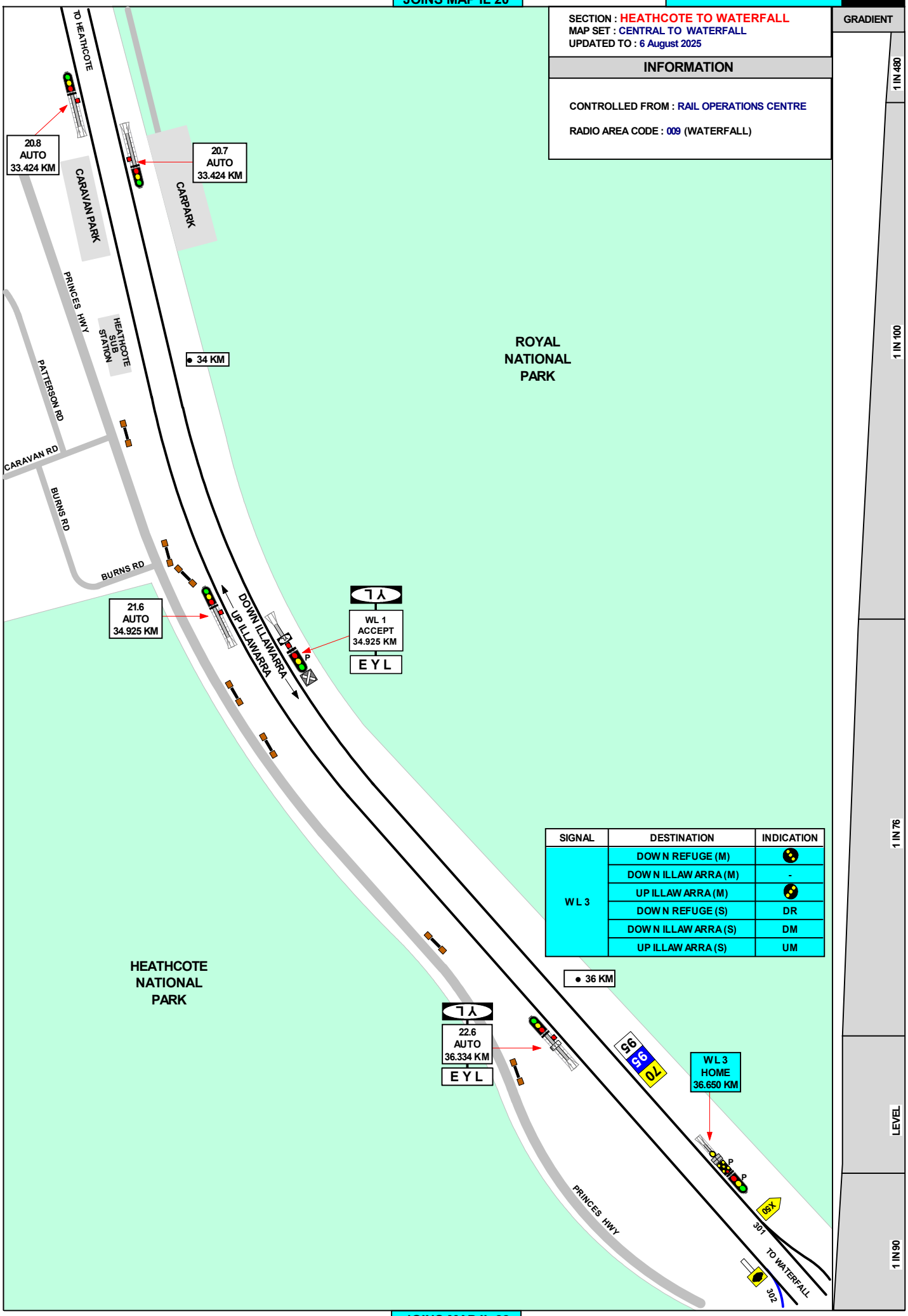
JOINS MAP IL 20

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

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

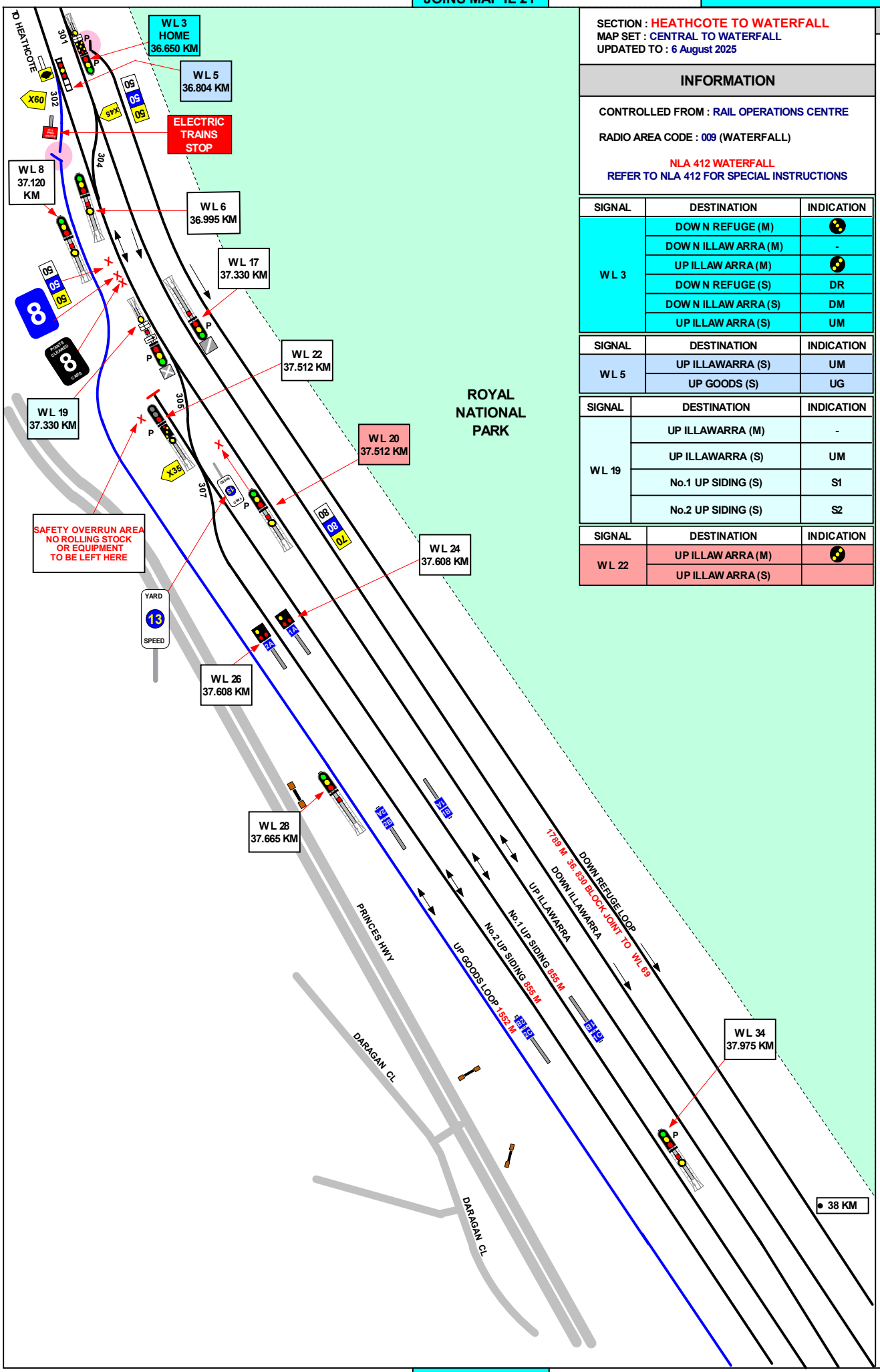
RADIO AREA CODE : 009 (WATERFALL)



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

JOINS MAP IL 22

JOINS MAP IL 21



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)

NLA 412 WATERFALL
REFER TO NLA 412 FOR SPECIAL INSTRUCTIONS

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

SIGNAL	DESTINATION	INDICATION
WL 5	UP ILLAWARRA (S)	UM
	UP GOODS (S)	UG

SIGNAL	DESTINATION	INDICATION
WL 19	UP ILLAWARRA (M)	-
	UP ILLAWARRA (S)	UM
	No.1 UP SIDING (S)	S1
	No.2 UP SIDING (S)	S2

SIGNAL	DESTINATION	INDICATION
WL 22	UP ILLAWARRA (M)	
	UP ILLAWARRA (S)	

GRADIENT

1 IN 90
1 IN 220
1 IN 120
1 IN 187
1 IN 165

JOINS MAP IL 23

JOINS MAP IL 22

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

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 009

METHOD OF WORKING : RAIL VEHICLE DETECTION SYSTEM

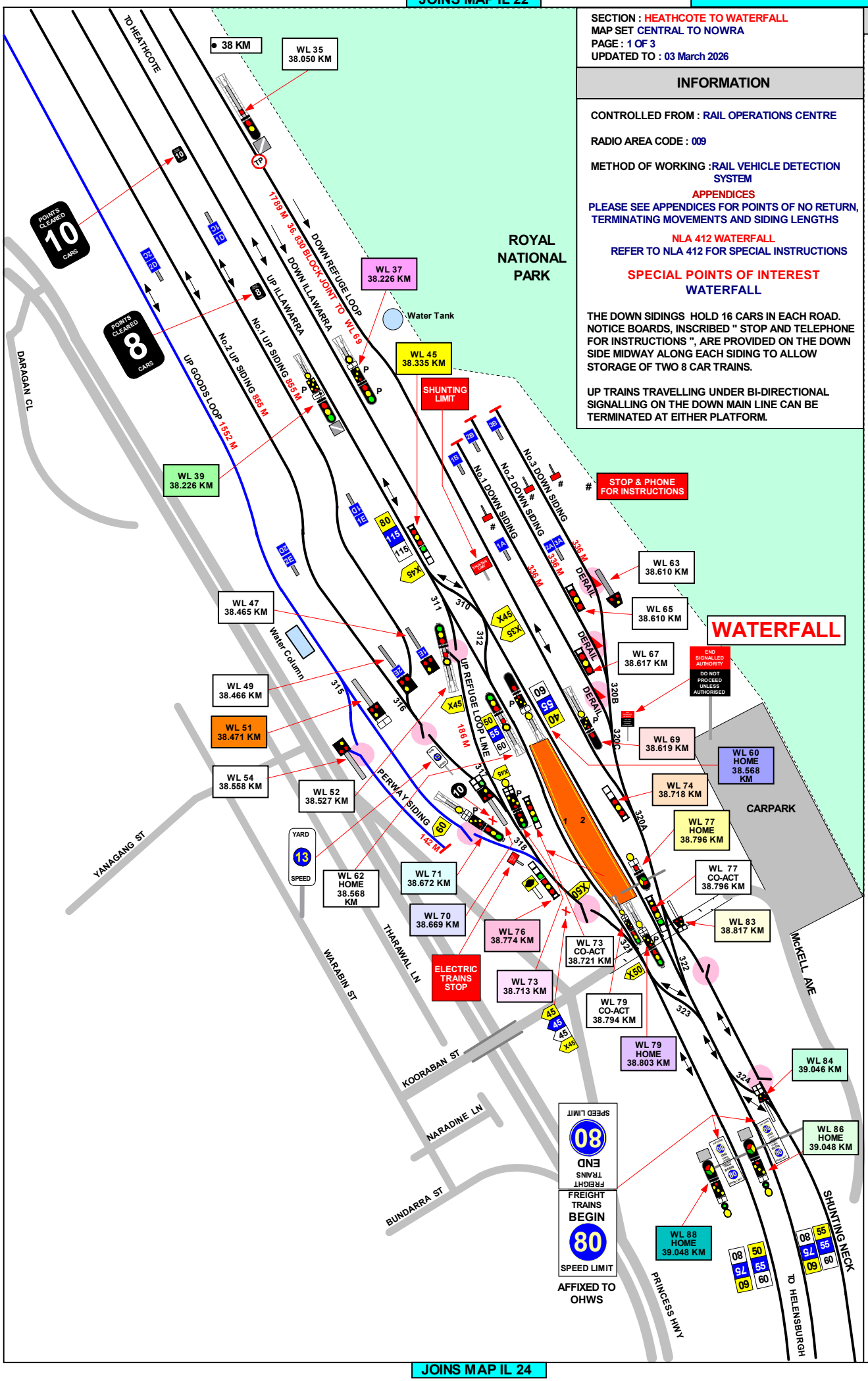
APPENDICES
PLEASE SEE APPENDICES FOR POINTS OF NO RETURN, TERMINATING MOVEMENTS AND SIDING LENGTHS

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.



JOINS MAP IL 24

JOINS MAP IL 22

SECTION : HEATHCOTE TO WATERFALL
MAP SET CENTRAL TO NOWRA
PAGE : 2 OF 3
UPDATED TO : 16 September 2025

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 009

METHOD OF WORKING :RAIL VEHICLE DETECTION SYSTEM

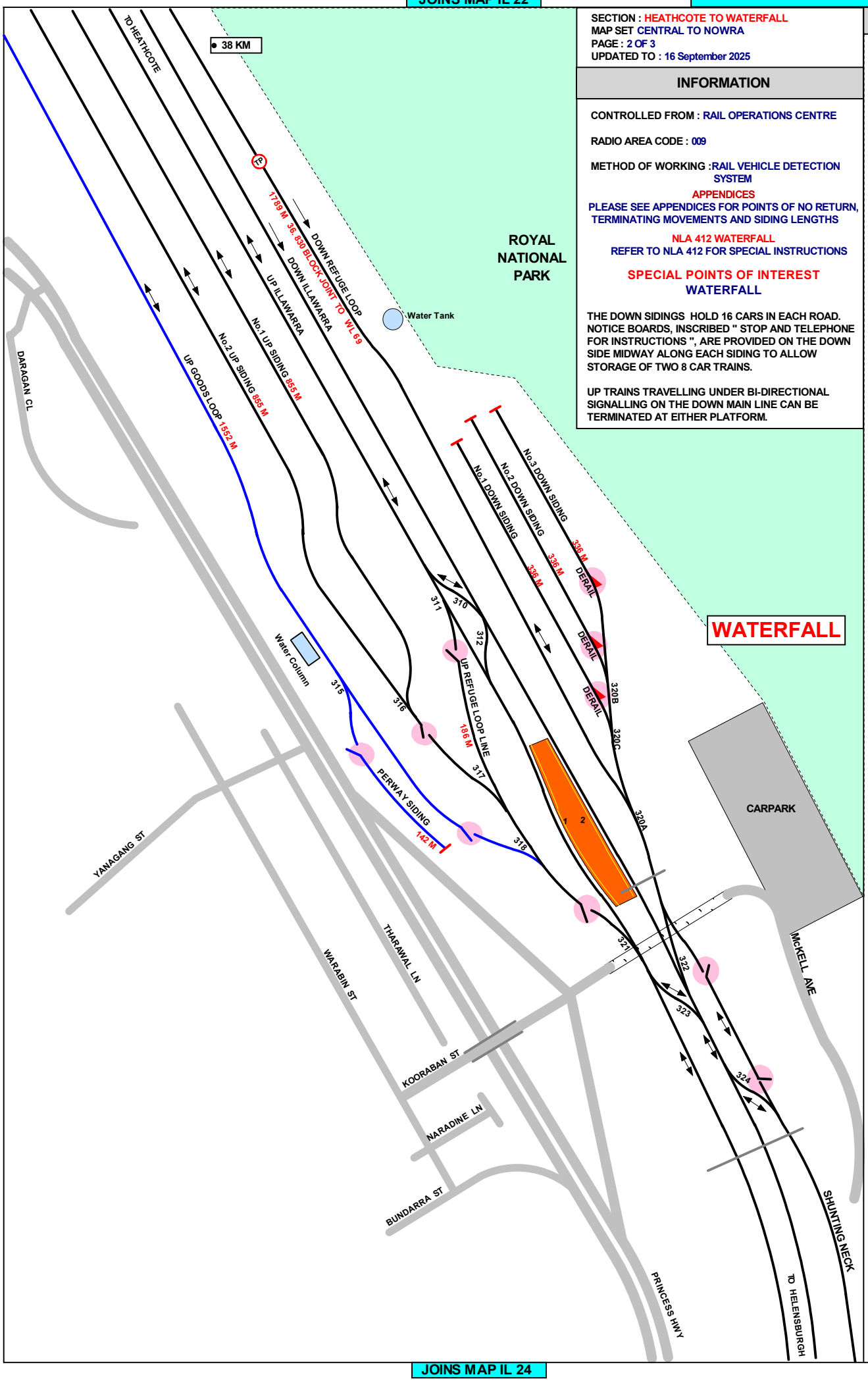
APPENDICES
PLEASE SEE APPENDICES FOR POINTS OF NO RETURN, TERMINATING MOVEMENTS AND SIDING LENGTHS

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.



JOINS MAP IL 24

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
WL 37	DOWN ILLAWARRA MAIN (M)	
	UP ILLAWARRA (M)	
	DOWN ILLAWARRA (S)	DM
	UP ILLAWARRA (S)	UM

SIGNAL	DESTINATION	INDICATION
WL 39	DOWN ILLAWARRA (M)	
	UP ILLAWARRA (M)	
	UP REFUGE (M)	
	UP ILLAWARRA (S)	

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

SIGNAL	DESTINATION	INDICATION
WL 51	UP GOODS (S)	UG
	PERWAY SIDING (S)	PS

SIGNAL	DESTINATION	INDICATION
WL 60	UP ILLAWARRA (M)	
	UP ILLAWARRA (S)	UM

SIGNAL	DESTINATION	INDICATION
WL 69	DOWN ILLAWARRA (M)	
	DOWN REFUGE (S)	

SIGNAL	DESTINATION	INDICATION
WL 70	No.2 UP SIDING (S)	S2
	No.1 UP SIDING (S)	S1
	UP REFUGE (S)	UR
		GREEN LIGHT

SIGNAL	DESTINATION	INDICATION
WL 71	DOWN ILLAWARRA (M)	
	UP ILLAWARRA (M)	
	SHUNTING NECK (S)	S
	DOWN ILLAWARRA (S)	DM
	UP ILLAWARRA (S)	UM

SIGNAL	DESTINATION	INDICATION
WL 73	DOWN ILLAWARRA (M)	
	UP ILLAWARRA (M)	
	SHUNTING NECK (S)	S
	DOWN ILLAWARRA (S)	DM
	UP ILLAWARRA (S)	UM

SIGNAL	DESTINATION	INDICATION
WL 74	DOWN REFUGE (S)	DR
	DOWN SIDING (S)	DS

SIGNAL	DESTINATION	INDICATION
WL 76	UP GOODS	UG
	UP REFUGE (S)	UR
		GREEN LIGHT

SIGNAL	DESTINATION	INDICATION
WL 77	DOWN ILLAWARRA (M)	-
	SHUNTING NECK (S)	S
	DOWN ILLAWARRA (S)	DM

SIGNAL	DESTINATION	INDICATION
WL 79	DOWN ILLAWARRA (M)	
	UP ILLAWARRA (M)	
	SHUNTING NECK (S)	S
	DOWN ILLAWARRA (S)	DM
	UP ILLAWARRA (S)	UM

SIGNAL	DESTINATION	INDICATION
WL 83	SHUNTING NECK (S)	S
	DOWN ILLAWARRA (S)	DM

SIGNAL	DESTINATION	INDICATION
WL 84	UP REFUGE (S)	UR
	UP ILLAWARRA (S)	UM
	DOWN ILLAWARRA (S)	DM
	DOWN REFUGE (S)	DR

SIGNAL	DESTINATION	INDICATION
WL 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
WL 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