

DRIVERS ROUTE KNOWLEDGE DIAGRAMS

ILLAWARRA LINE

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

Effective Date: May 2026

Version: 5.96

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.

Please report any updates to
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Location: CM Record No.D2015/579

SECTION : CENTRAL TO REDFERN
MAP SET : CENTRAL TO NOWRA
PAGE : 1 OF 4
UPDATED TO : 11 August 2025

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

CENTRAL

DRIVERS OF
LOCOMOTIVE-HAULED
SERVICES AND NON-ELECTRIC
POWERED VEHICLES
PROCEEDING TO THE AIRPORT
LINE SHALL NOT PASS THIS
POINT UNTIL AUTHORISED BY
THE SIGNALLER

MULTI SPAD
SIGNAL
SY 391 IL

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

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

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

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SIGNALLER

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

JOINS MAP NSR 03

- SY 380 S OH 0.185 KM
- SY 384 S HOME 0.260 KM
- R 384 REPEATER 0.261 KM
- SY 392 S OH 0.381 KM
- SY 395 S LOWER LEVEL OH 0.381 KM

- PONR
- SY 387 SR HOME 0.180 KM
- SY 385 IL HOME 0.181 KM
- PONR
- SY 391 IL HOME 0.340 KM
- PONR
- SY 352 SR HOME 0.438 KM
- SY 393 SR OH 0.434 KM

- R 403 LOWER LEVEL REPEATER 0.542 KM
- SY 403 S LOWER LEVEL HOME 0.541 KM
- SY 400 S HOME 0.612 KM
- R 407 LOWER LEVEL REPEATER 0.661 KM

- SY 399 IL HOME 0.490 KM
- PONR
- SY 422 SR OH 0.660 KM
- SY 801 SR HOME / STARTING 0.625 KM

TO SYDNEY YARD
JOINS MAP YARDS 35

- 116 0.741 KM
- 115 0.742 KM
- 117 0.740 KM
- SY 122 HOME 0.853 KM
- SY 126 M HOME 1.003 KM
- SY 127 UM HOME 0.998 KM

WHEN THIS SIGNAL IS AT STOP WAIT ONE MINUTE AND THEN PROCEED CAUTIOUSLY TO THE NEXT SIGNAL

- SY 130 ED HOME
- ACDEP DIVE
- SY 131 M HOME 1.182 KM

SHUNTING LIMIT ON DOWN ILLAWARRA

- SY 433 I OH 0.840 KM
- SY 443 I OH 1.090 KM
- SY 453 I OH 1.180 KM

REDFERN

SECTION : **CENTRAL TO REDFERN**
 MAP SET : **CENTRAL TO WATERFALL**
 PAGE : 2 OF 4
 UPDATED TO : 6 August 2025

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 R407 REPEATER 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



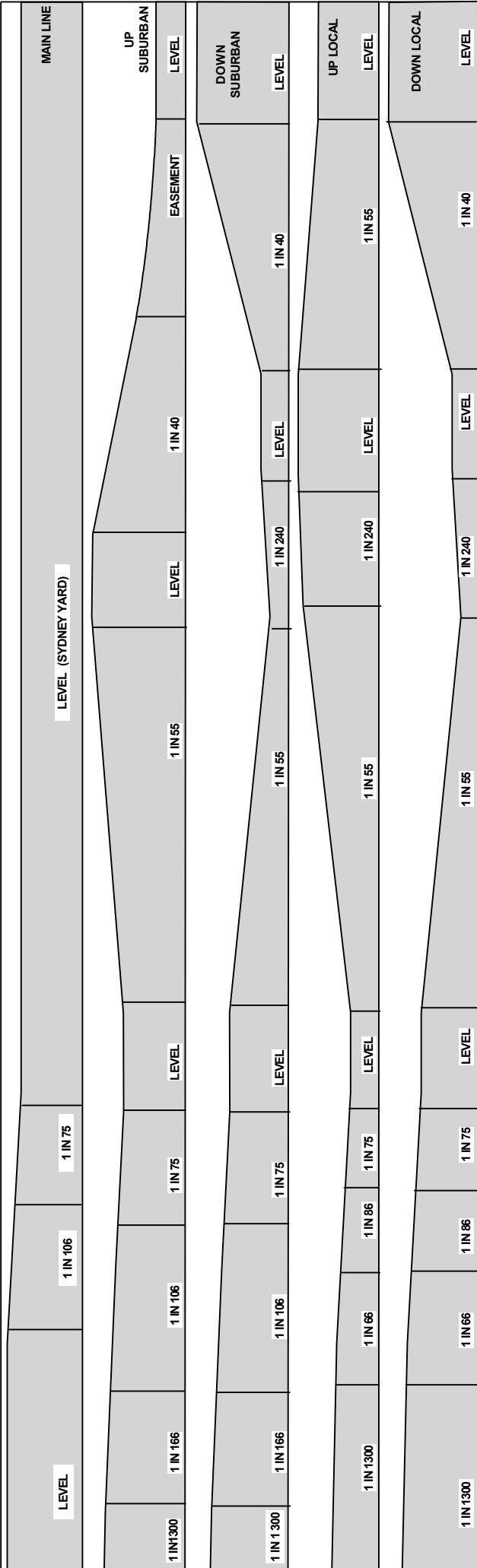
SIGNAL SY 389 L



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 DRAW N 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 MACARTHUR**

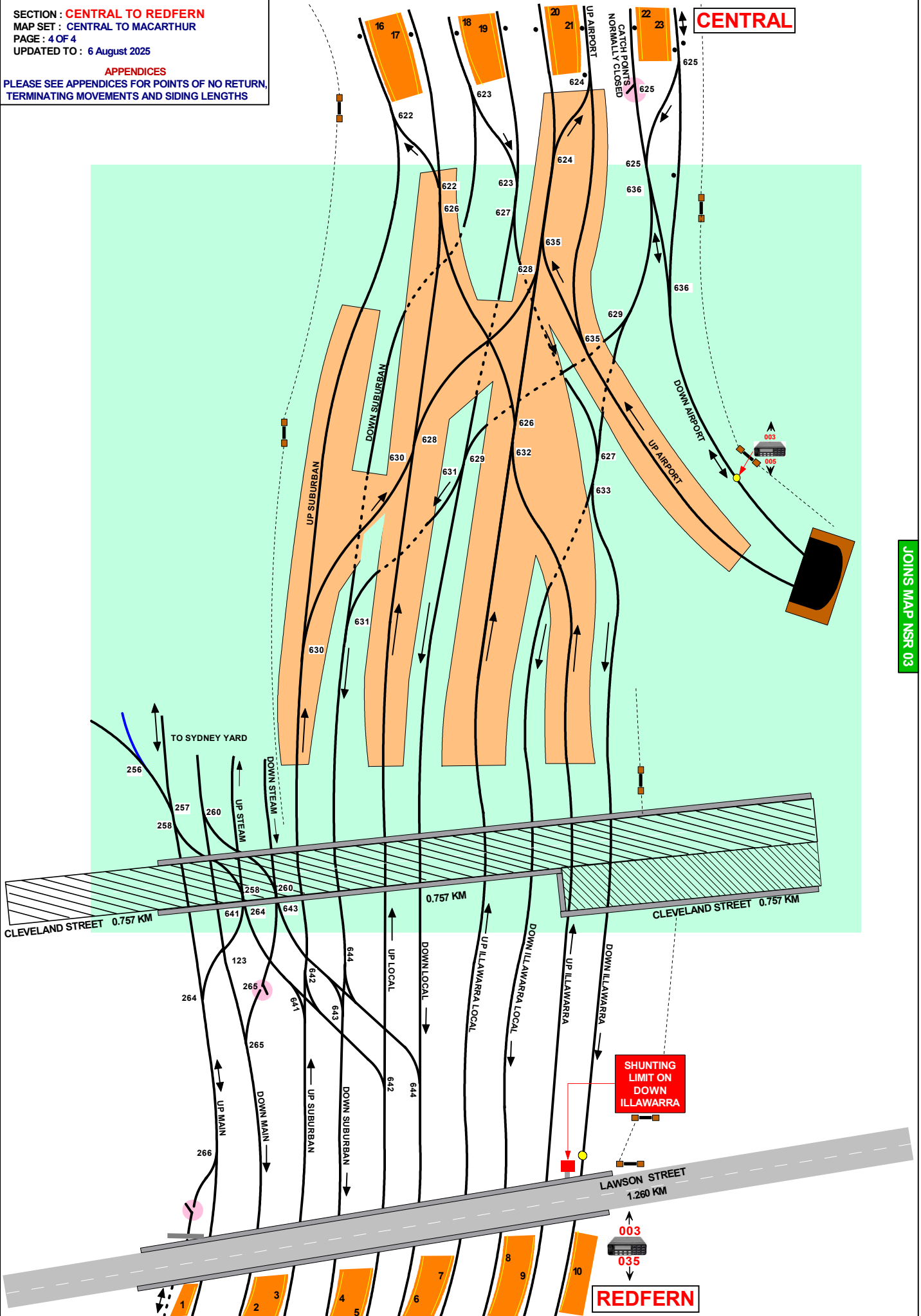
PAGE : 4 OF 4

UPDATED TO : 6 August 2025

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 : 6 August 2025

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

REDFERN

MULTI SPAD SIGNAL SY 481 M
 MULTI SPAD SIGNAL SY 516 L
 MULTI SPAD SIGNAL SY 537 I

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

SY 1.49 AUTO 2.385 KM	SY 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	

NLA 100 CENTRAL
 REFER TO NLA 100 FOR GBWS PROCEDURES

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

POINTS CLEARED
8
 CARS

UP ILLAWARRA DIVE
 DOWN ILLAWARRA DIVE

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

JOINS MAP YARDS 14

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

1 IN 1300

LEVEL

1 IN 75

E

1 IN 75

LEVEL

GRADIENT FOR SOUTHERN LINES

1 IN 1300

1 IN 143

1 IN 85

1 IN 60

1 IN 132

1 IN 106

1 IN 69

1 IN 200

1 IN 106

1 IN 314

1 IN 2000

L

L

L

SECTION : **REDFERN TO ERSKINEVILLE**
REDFERN TO MACDONALDTOWN

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

SPECIAL POINTS OF INTEREST

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

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

MAP SET : **CENTRAL TO WATERFALL**
 PAGE : 2 of 4
 UPDATED TO : **6 August 2025**

CONTROLLED FROM : **SYDENHAM**

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

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

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
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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
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SY 480 M O/HOME 1.767 KM	SY 481 M O/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
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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
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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
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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
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RADIO TRANSPONDER AREA NUMBERS

						
	001	002	003	035	001	258
	035	035	035	258	258	035

SECTION : REDFERN TO ERSKINEVILLE
 REDFERN TO MACDONALD TOWN

CONTROLLED FROM : RAIL OPERATIONS CENTRE

SPECIAL POINTS OF INTEREST

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

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

ERSKINEVILLE

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

CONTROLLED FROM : SYDENHAM

APPENDICES

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

RADIO AREA CODE : 007 (SYDENHAM)

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

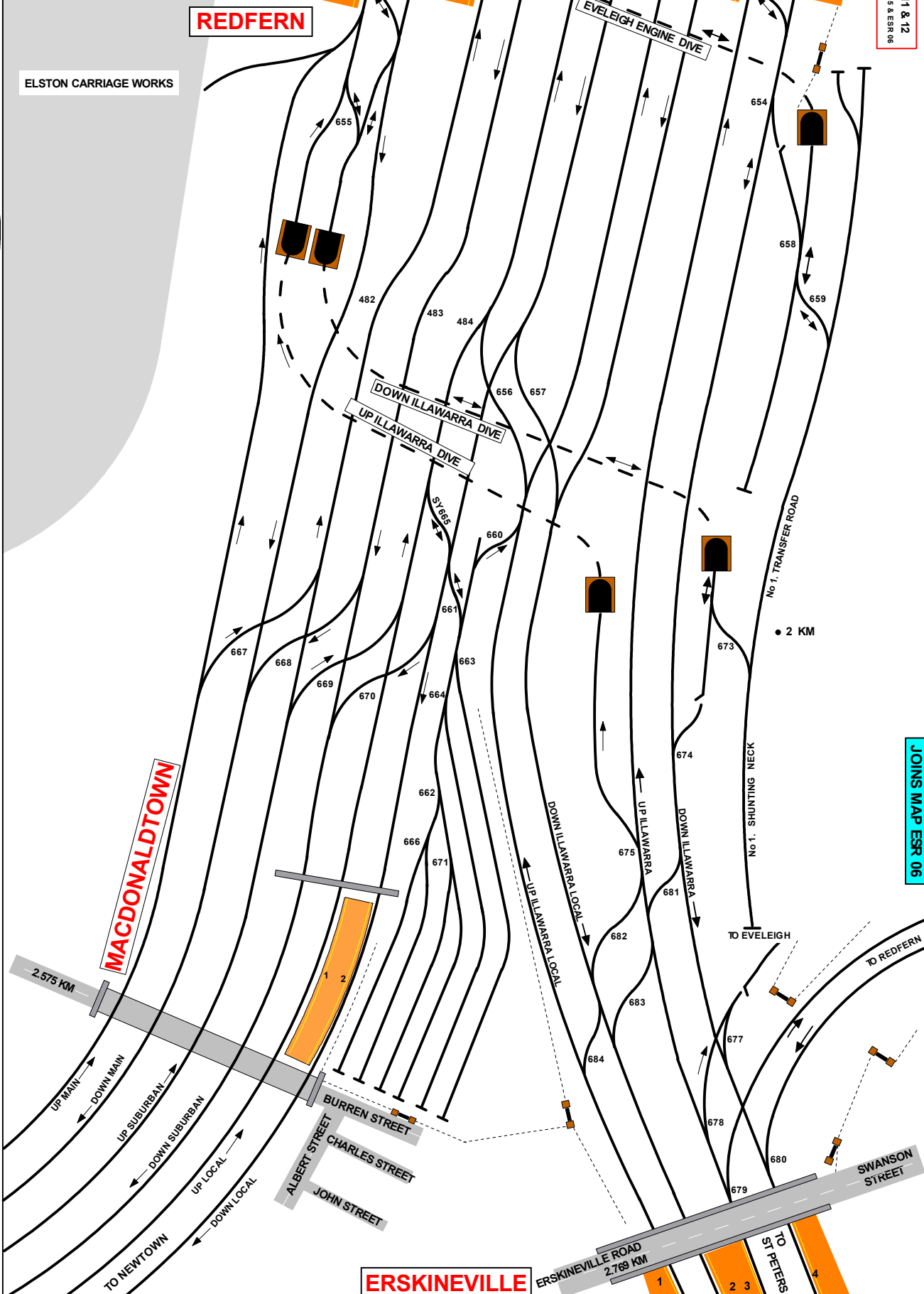
UI UR

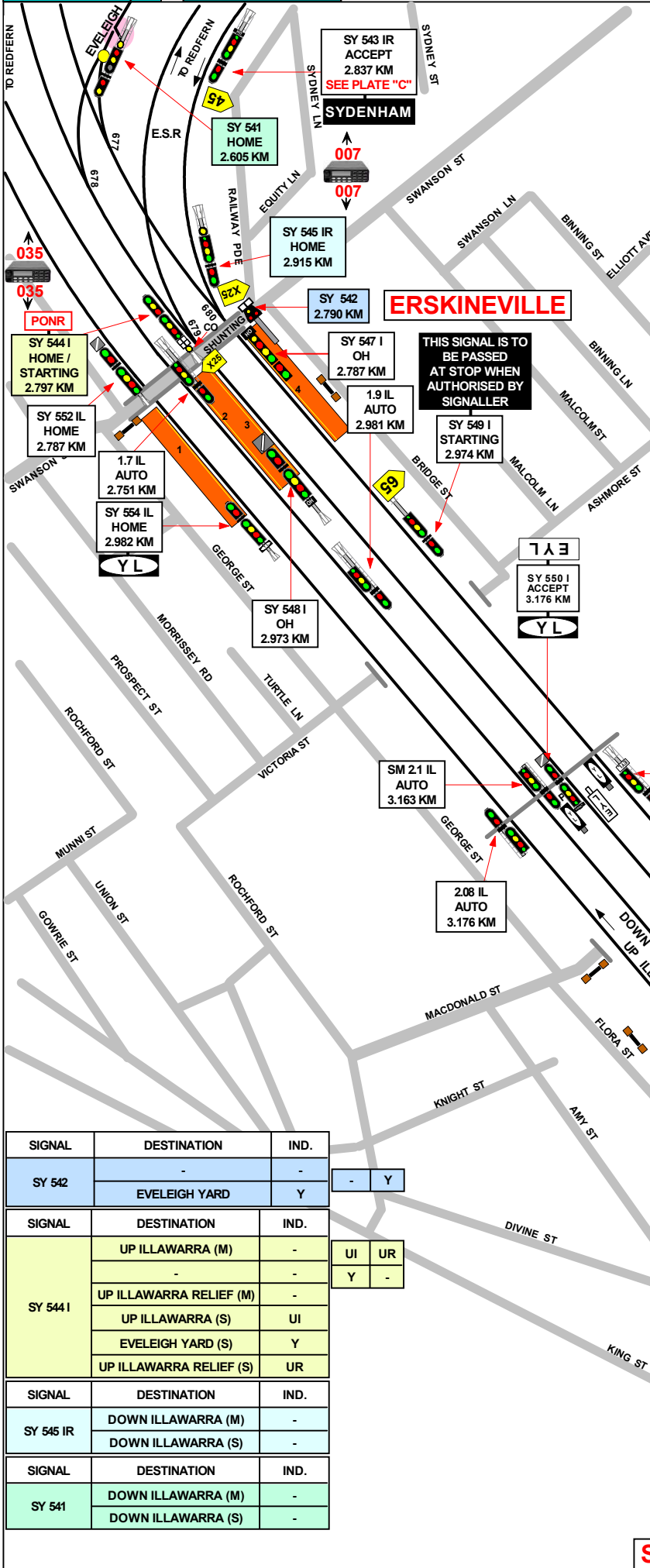
SECTION : REDFERN TO ERSKINEVILLE
 REDFERN TO MACDONALDTOWN
 MAP SET : CENTRAL TO MACARTHUR
 PAGE : 4 OF 4
 UPDATED TO : 6 August 2025

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

1 IN 1300	L	1 IN 2000	E	1 IN 1300	L	1 IN 2000	E
LEVEL	1 IN 314	E	1 IN 106	E	1 IN 200	E	1 IN 69
	1 IN 75	E	1 IN 106	E	1 IN 69	E	1 IN 132
LEVEL	1 IN 75	E	1 IN 106	E	1 IN 69	E	1 IN 80
	1 IN 75	E	1 IN 106	E	1 IN 69	E	1 IN 143
GRADIENT FOR ILLAWARRA LINES		UP MAIN		DOWN MAIN		UP SUBURBAN	
GRADIENT FOR SOUTHERN LINES		UP LOCAL		DOWN LOCAL		TO NEWTOWN	





SECTION : ERSKINEVILLE 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

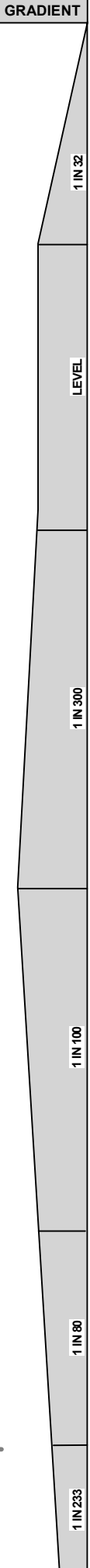
WHEN TRAINS ARE DELAYED IN THE EASTERN SUBURBS RAILWAY AND CANNOT BE WORKED IN THE RIGHT RUNNING DIRECTION, YARD WORKING MAY BE AUTHORISED BY THE TRAIN CONTROLLER TO ALLOW TRAINS TO BE MOVED OUT OF THE TUNNELS.

YARD LIMITS ON THE EASTERN SUBURBS RAILWAY

TRACK	FROM	TO
UP ESR	THE TERMINAL ROAD AT BONDI JUNCTION	SIGNAL No. I 21 AT ERSKINEVILLE
DOWN ILLAWARRA RELIEF		
UP ILLAWARRA RELIEF	SIGNAL No. SY544 AT ERSKINEVILLE	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.



SIGNAL	DESTINATION	IND.	
SY 542	-	-	- Y
	EVELEIGH YARD	Y	
SIGNAL	DESTINATION	IND.	
SY 544 I	UP ILLAWARRA (M)	-	UI UR
	-	-	
	UP ILLAWARRA RELIEF (M)	-	
	UP ILLAWARRA (S)	UI	
	EVELEIGH YARD (S)	Y	
UP ILLAWARRA RELIEF (S)	UR		
SIGNAL	DESTINATION	IND.	
SY 545 IR	DOWN ILLAWARRA (M)	-	
	DOWN ILLAWARRA (S)	-	
SIGNAL	DESTINATION	IND.	
SY 541	DOWN ILLAWARRA (M)	-	
	DOWN ILLAWARRA (S)	-	

ST PETERS

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

1 IN 233

1 IN 110

1 IN 105

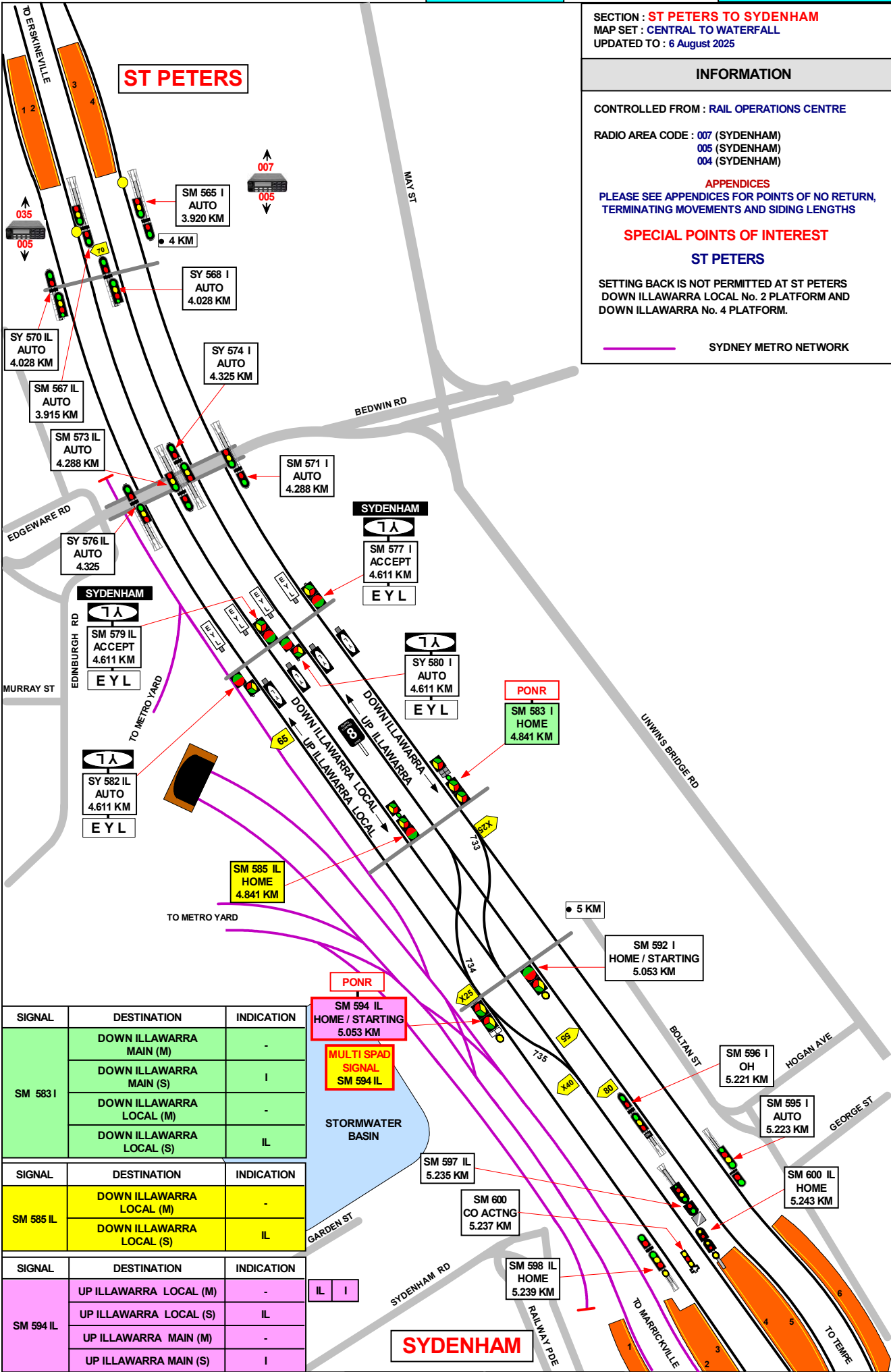
1 IN 388

1 IN 300

1 IN 330

1 IN 550

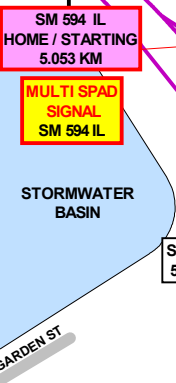
1 IN 440

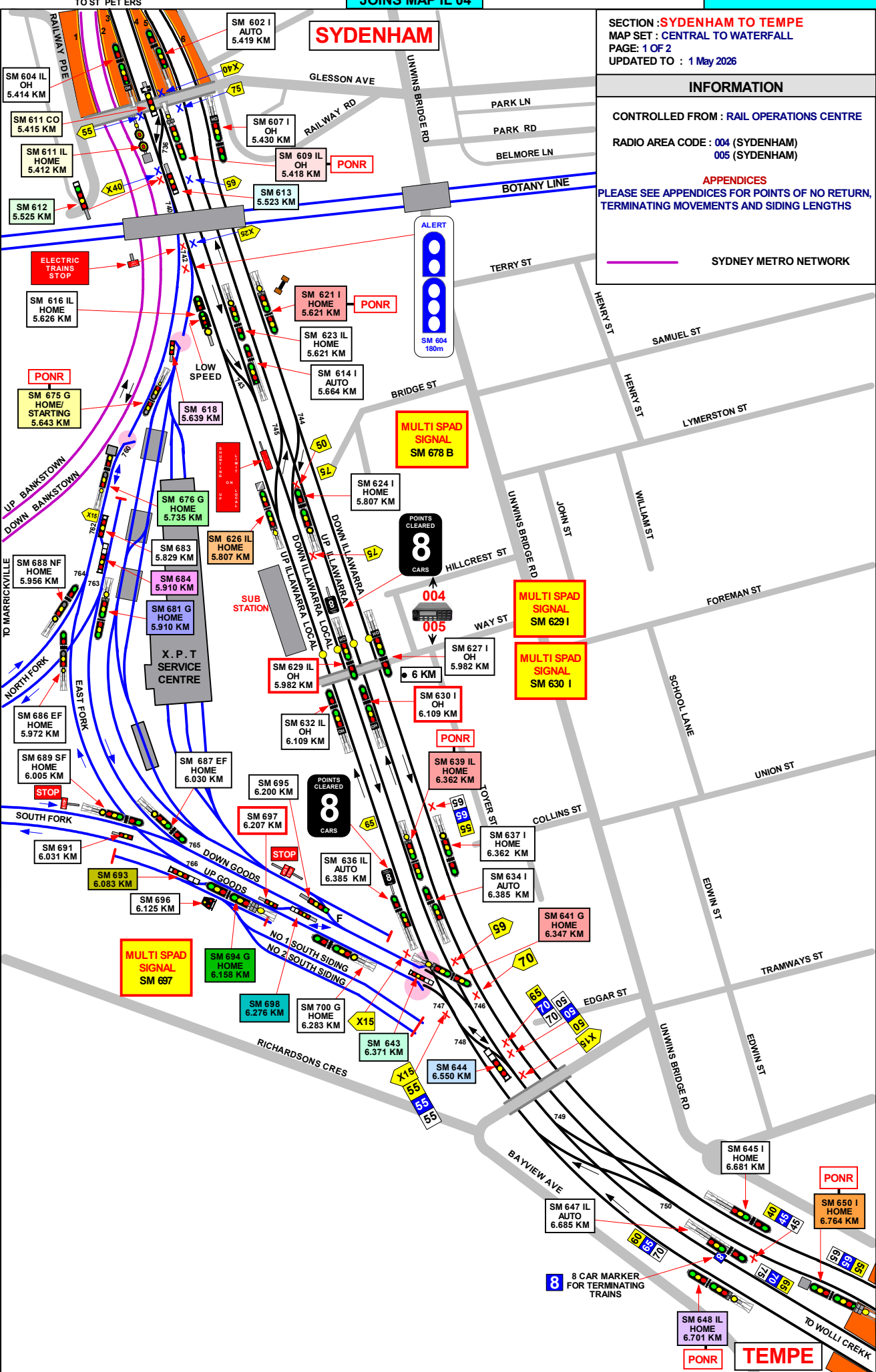


SIGNAL	DESTINATION	INDICATION
SM 583 I	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	I
	DOWN ILLAWARRA LOCAL (M)	-
	DOWN ILLAWARRA LOCAL (S)	IL

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





SECTION : SYDENHAM TO TEMPE
MAP SET : CENTRAL TO WATERFALL
PAGE : 1 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

SYDNEY METRO NETWORK

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

JOINS MAP MFL 02

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

TO SYDENHAM

GRADIENT

SECTION : TEMPE TO ARNCLIFFE
 MAP SET : CENTRAL TO WATERFALL
 UPDATED TO : 19 February 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

1 IN 500

LEVEL

1 IN 185

1 IN 100

1 IN 87

1 IN 108

1 IN 70

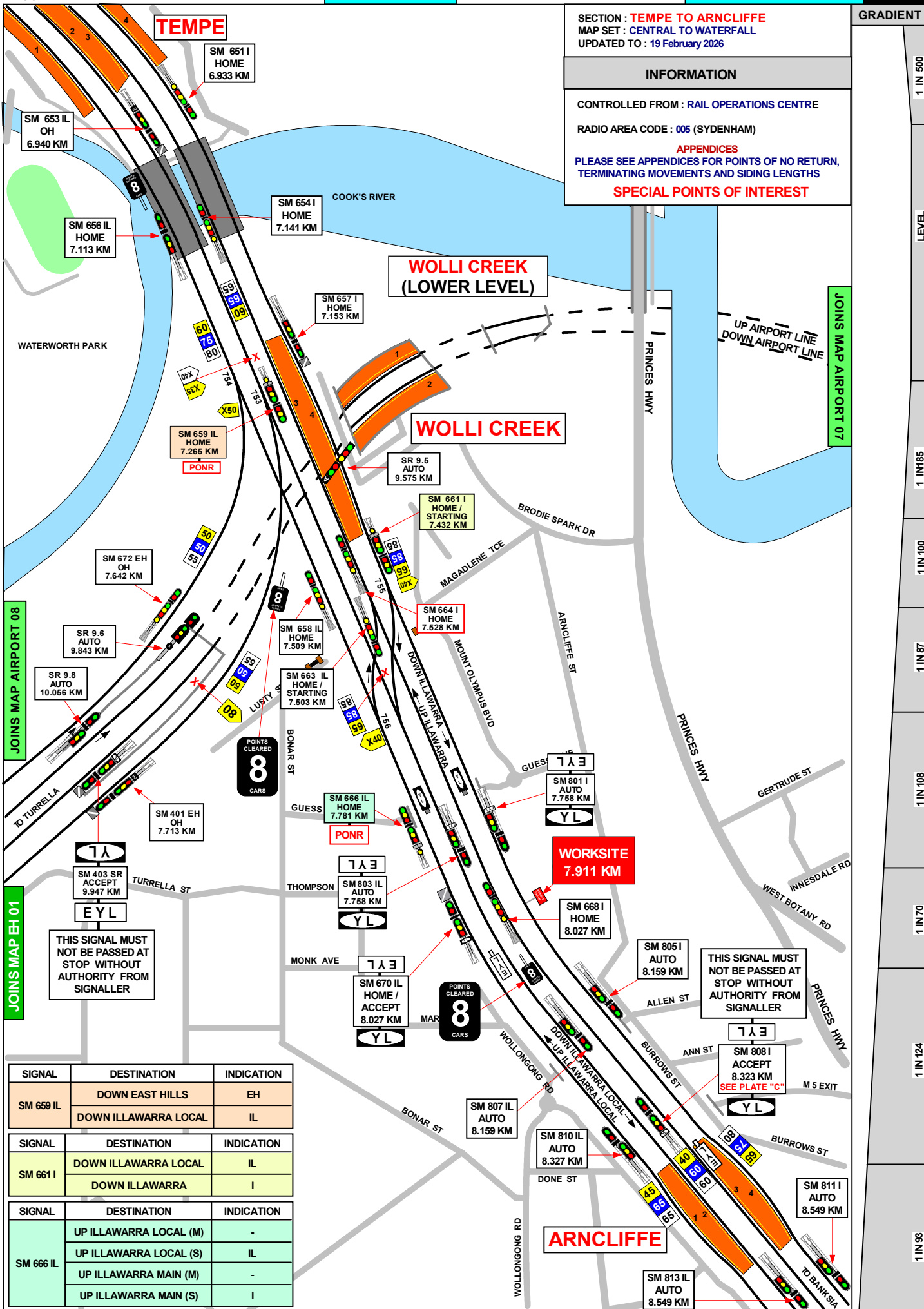
1 IN 124

1 IN 124

1 IN 124

1 IN 124

1 IN 83



JOINS MAP AIRPORT 08

JOINS MAP EH 01

JOINS MAP AIRPORT 07

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

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

SIGNAL	DESTINATION	INDICATION
SM 659 IL	DOWN EAST HILLS	EH
	DOWN ILLAWARRA LOCAL	IL
SM 661 I	DOWN ILLAWARRA LOCAL	IL
	DOWN ILLAWARRA	I
SM 666 IL	UP ILLAWARRA LOCAL (M)	-
	UP ILLAWARRA LOCAL (S)	IL
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	I

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	LEVEL
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 368	
1 IN 1100	

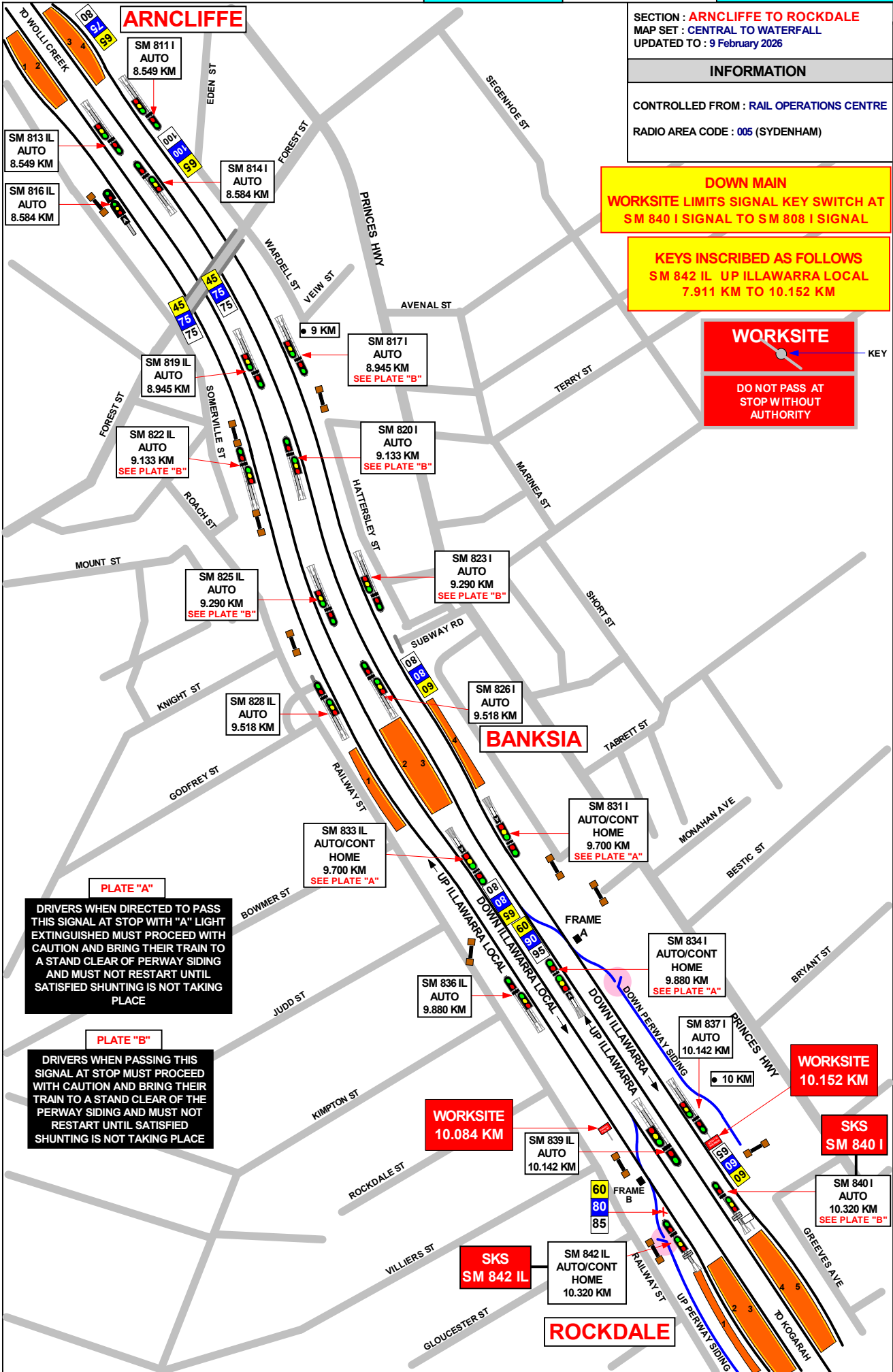


PLATE "A"
DRIVERS WHEN DIRECTED TO PASS THIS SIGNAL AT STOP WITH "A" LIGHT EXTINGUISHED MUST PROCEED WITH CAUTION AND BRING THEIR TRAIN TO A STAND CLEAR OF PERWAY SIDING AND MUST NOT RESTART UNTIL SATISFIED SHUNTING IS NOT TAKING PLACE

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

SKS
SM 840 I

ROCKDALE

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

GRADIENT

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

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

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

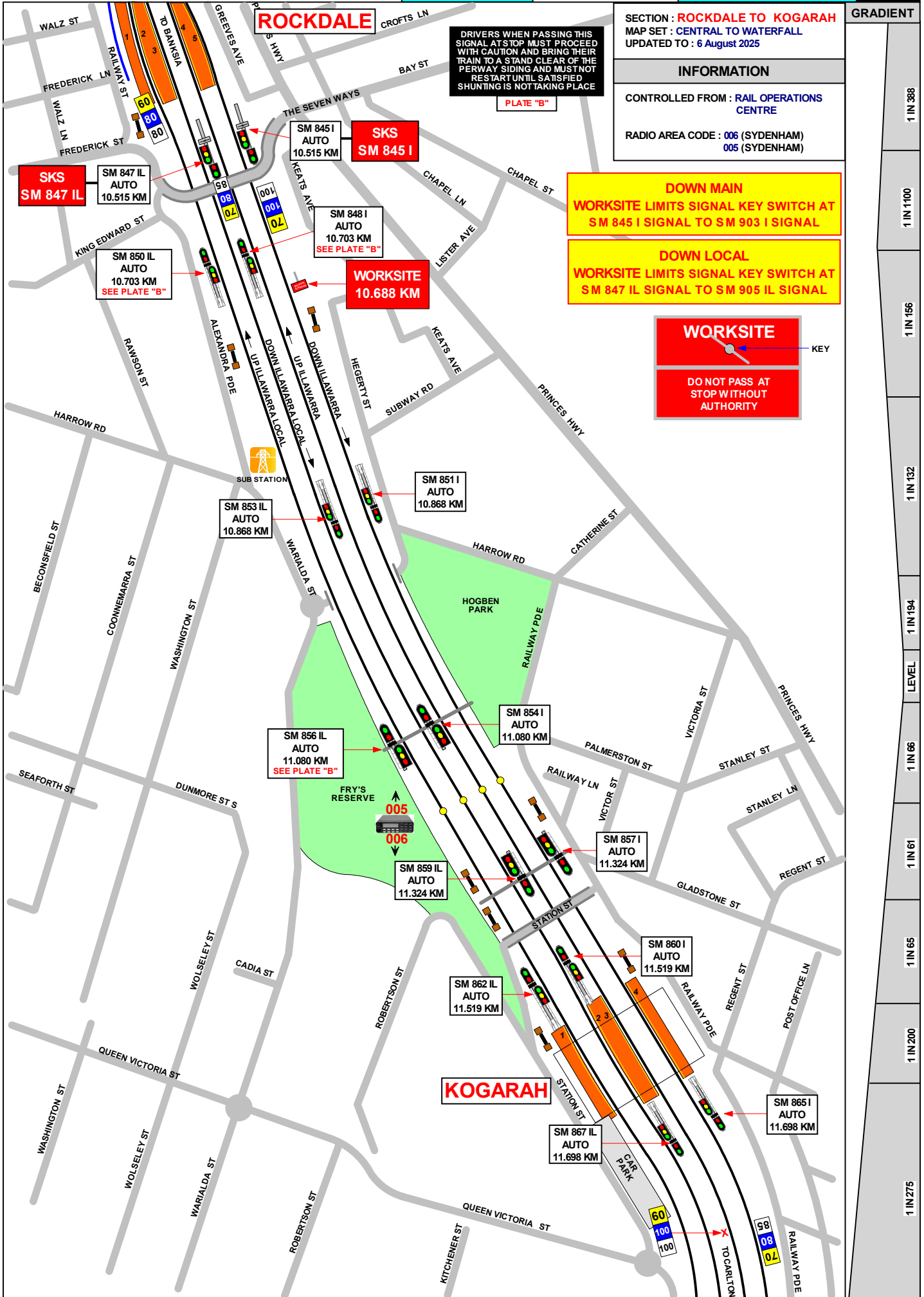
DOWN LOCAL
WORKSITE LIMITS SIGNAL KEY SWITCH AT
SM 847 IL SIGNAL TO SM 905 IL SIGNAL

WORKSITE

DO NOT PASS AT STOP WITHOUT AUTHORITY

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"



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)

GRADIENT

1 IN 275

1 IN 73

1 IN 67

1 IN 79

1 IN 50

1 IN 73

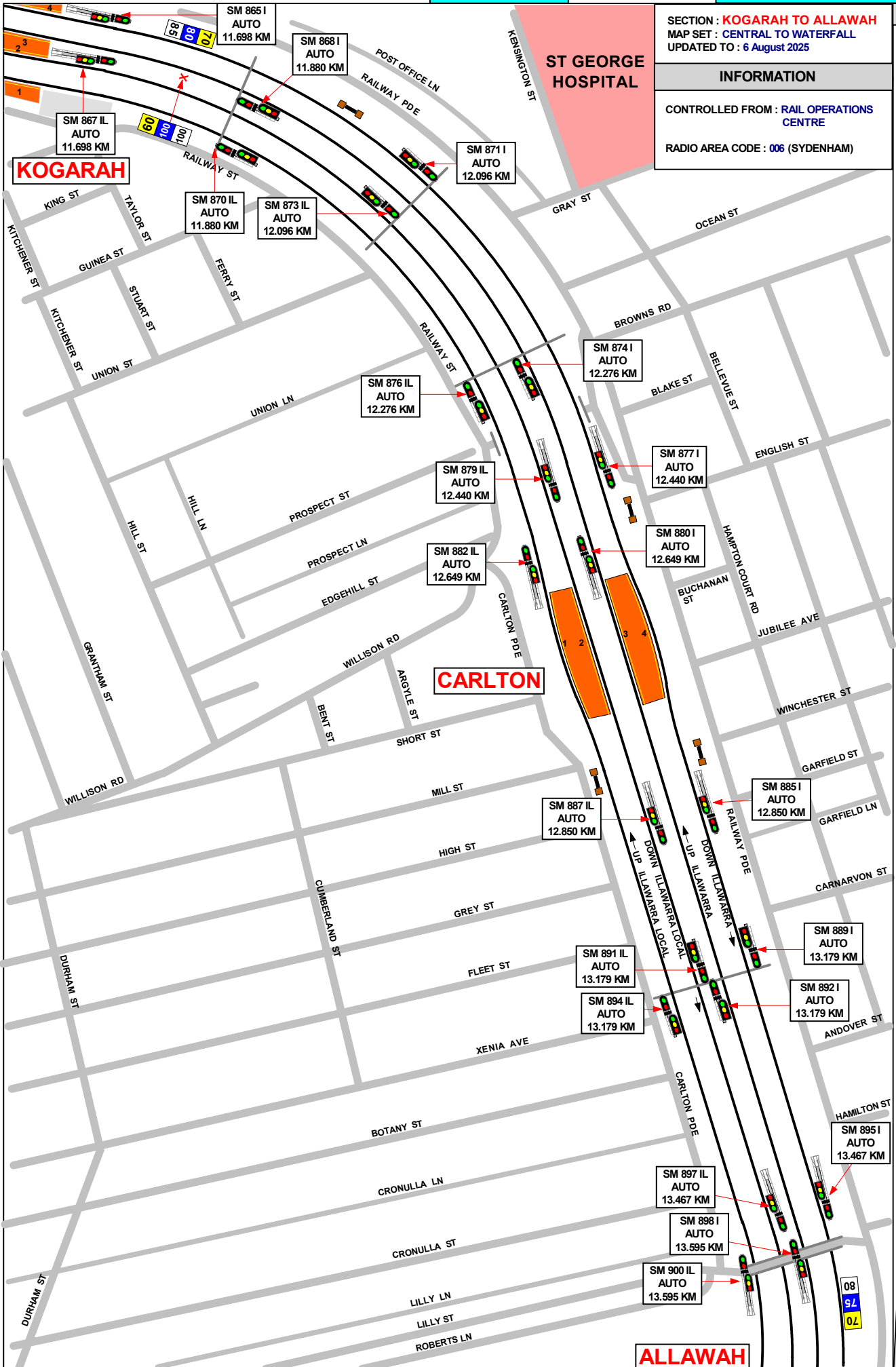
1 IN 69

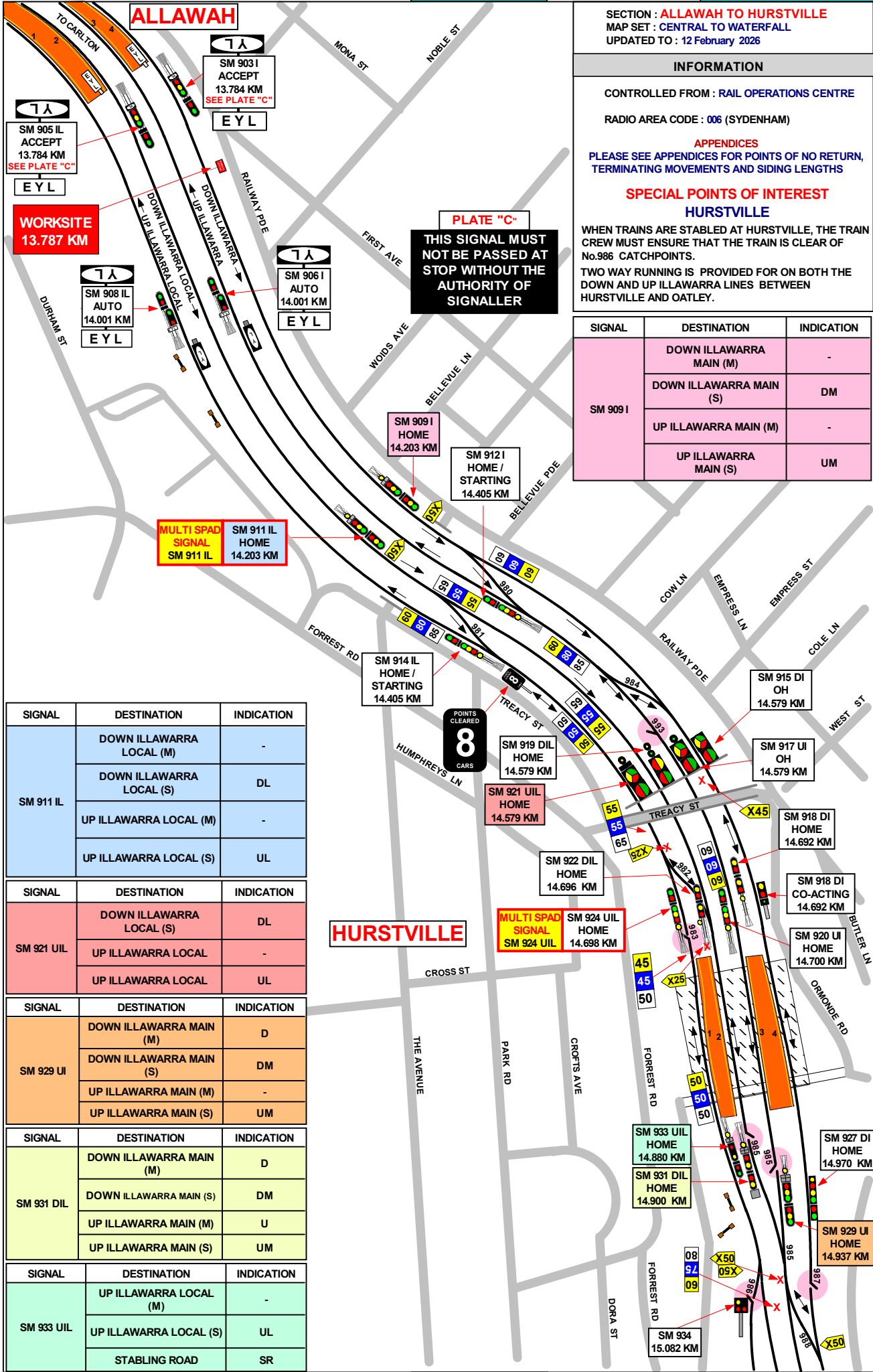
1 IN 60

1 IN 60

1 IN 57

1 IN 60





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

GRADIENT

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

PLATE "C"
 THIS SIGNAL MUST NOT BE PASSED AT STOP WITHOUT THE AUTHORITY OF SIGNALLER

MULTI SPAD SIGNAL
 SM 911 IL HOME
 SM 911 IL 14.203 KM

MULTI SPAD SIGNAL
 SM 924 UIL HOME
 SM 924 UIL 14.698 KM

8
 POINTS CLEARED
 CARS

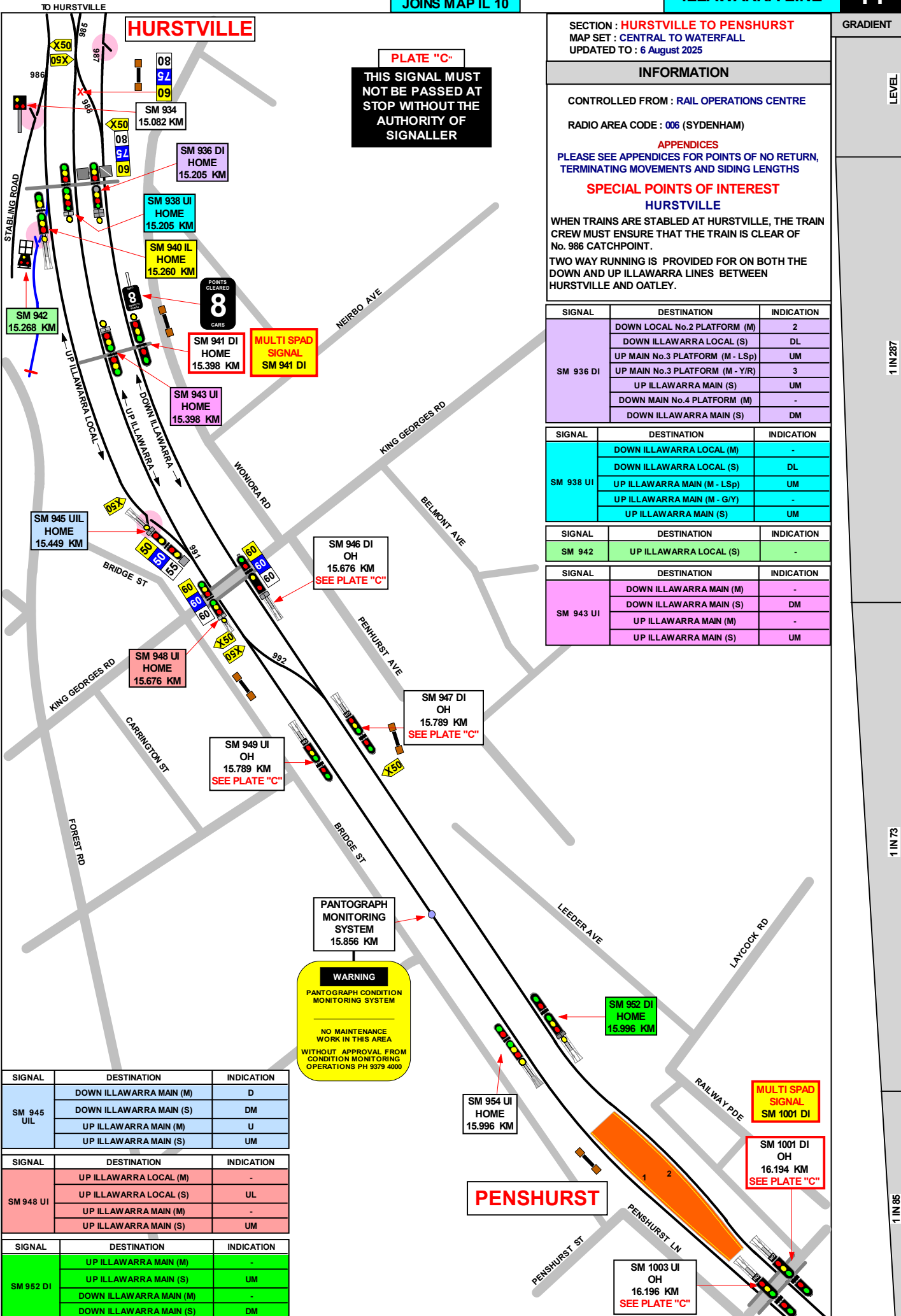
1 IN 60

1 IN 138

1 IN 105

1 IN 120

LEVEL



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

GRADIENT

LEVEL

1 IN 287

1 IN 73

1 IN 85

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

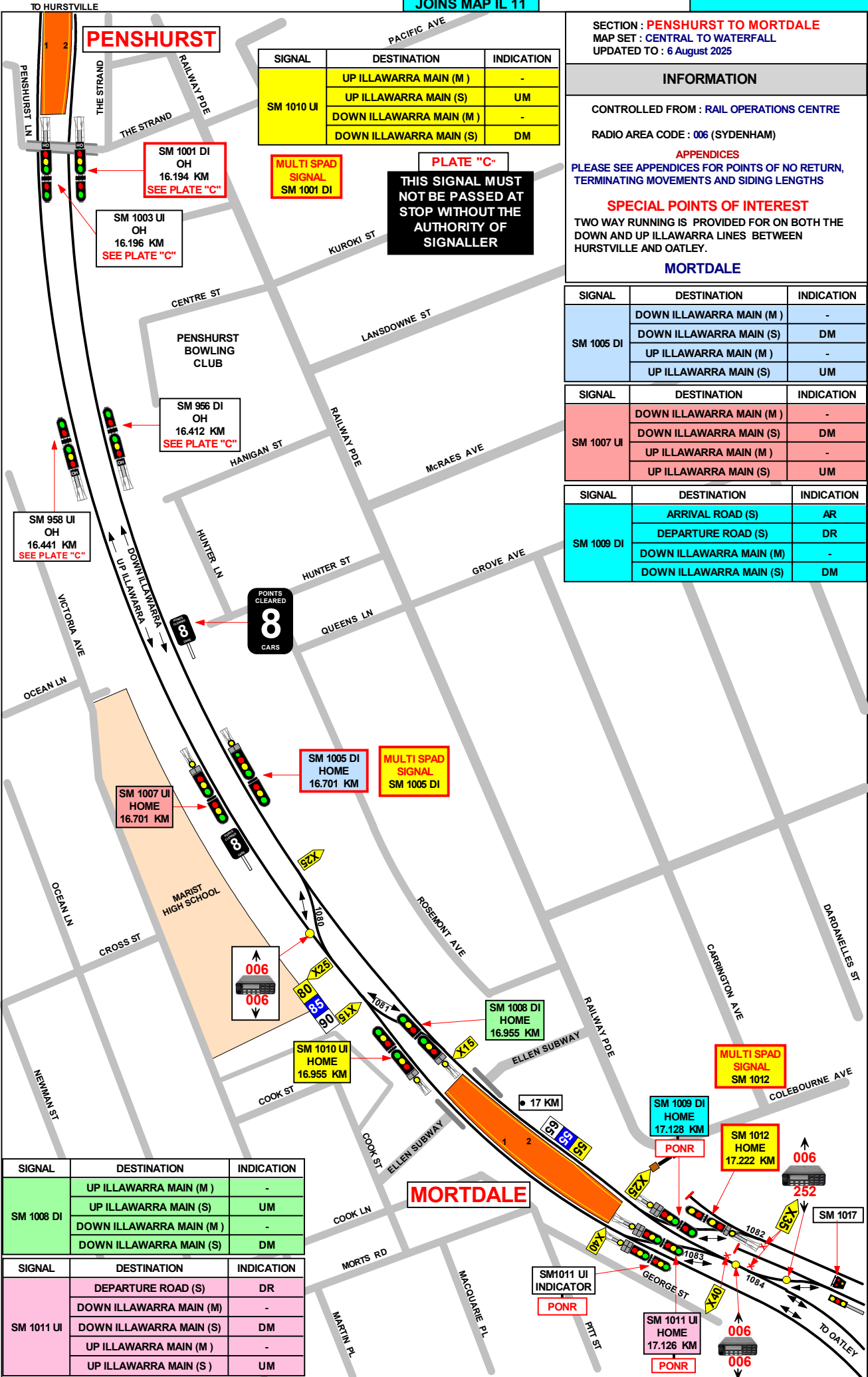
SIGNAL	DESTINATION	INDICATION
SM 942	UP ILLAWARRA LOCAL (S)	-

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



SECTION : **PENSHURST TO MORTDALE**
 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
 TWO WAY RUNNING IS PROVIDED FOR ON BOTH THE DOWN AND UP ILLAWARRA LINES BETWEEN HURSTVILLE AND OATLEY.

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

PENSHURST

MORTDALE

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

SECTION : **MORTDALE TO OATLEY**
 MAP SET : CENTRAL TO WATERFALL
 PAGE : 1 OF 2
 UPDATED TO : 6 August 2025

GRADIENT

INFORMATION

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

1 IN 77

1 IN 292

1 IN 82

1 IN 80

1 IN 77

1 IN 75

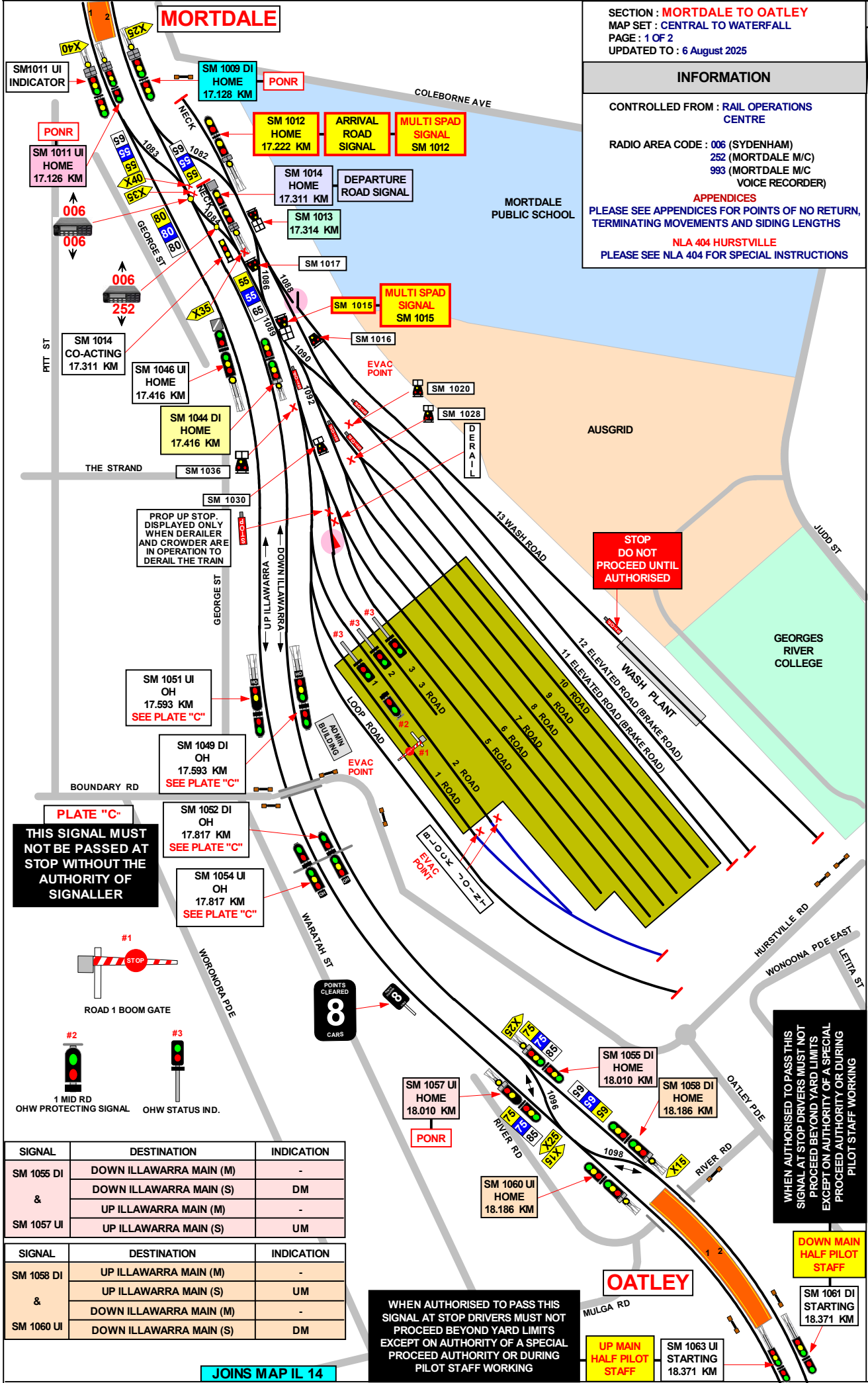
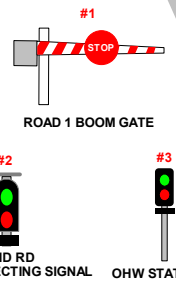


PLATE "C"
 THIS SIGNAL MUST NOT BE PASSED AT STOP WITHOUT THE AUTHORITY OF SIGNALLER



POINTS CLEARED
8
 CARS

STOP
 DO NOT PROCEED UNTIL AUTHORISED

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

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

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)	9I
	7 - 8 INSPECTION ROADS (S)	7I
	1 - 6 INSPECTION ROADS (S)	1I

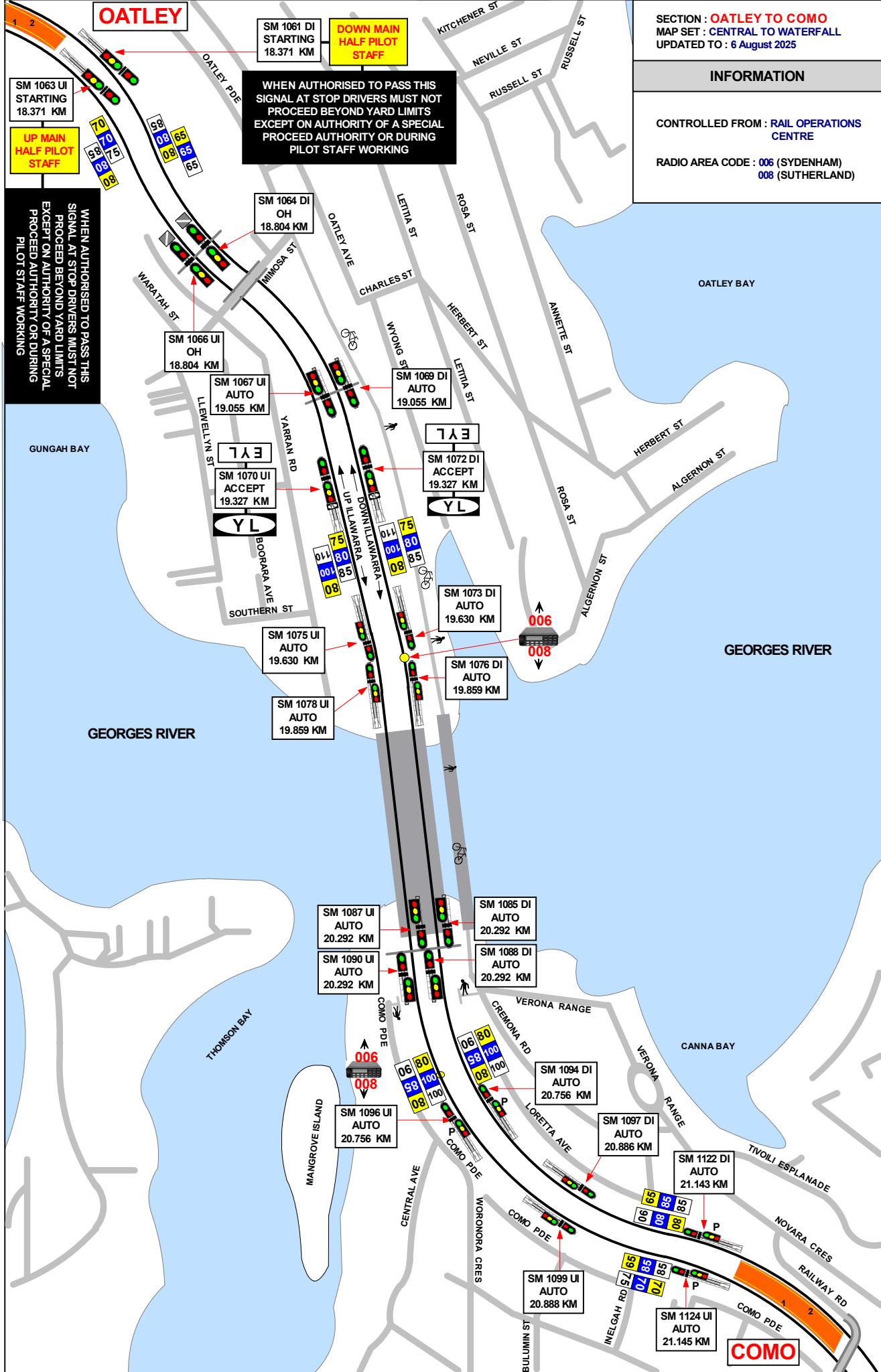
SIGNAL	DESTINATION	INDICATION
SM 1012	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM
	SHUNTING NECK (S)	SN

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

TO MORTDALE



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	

TO JANNALI

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)**

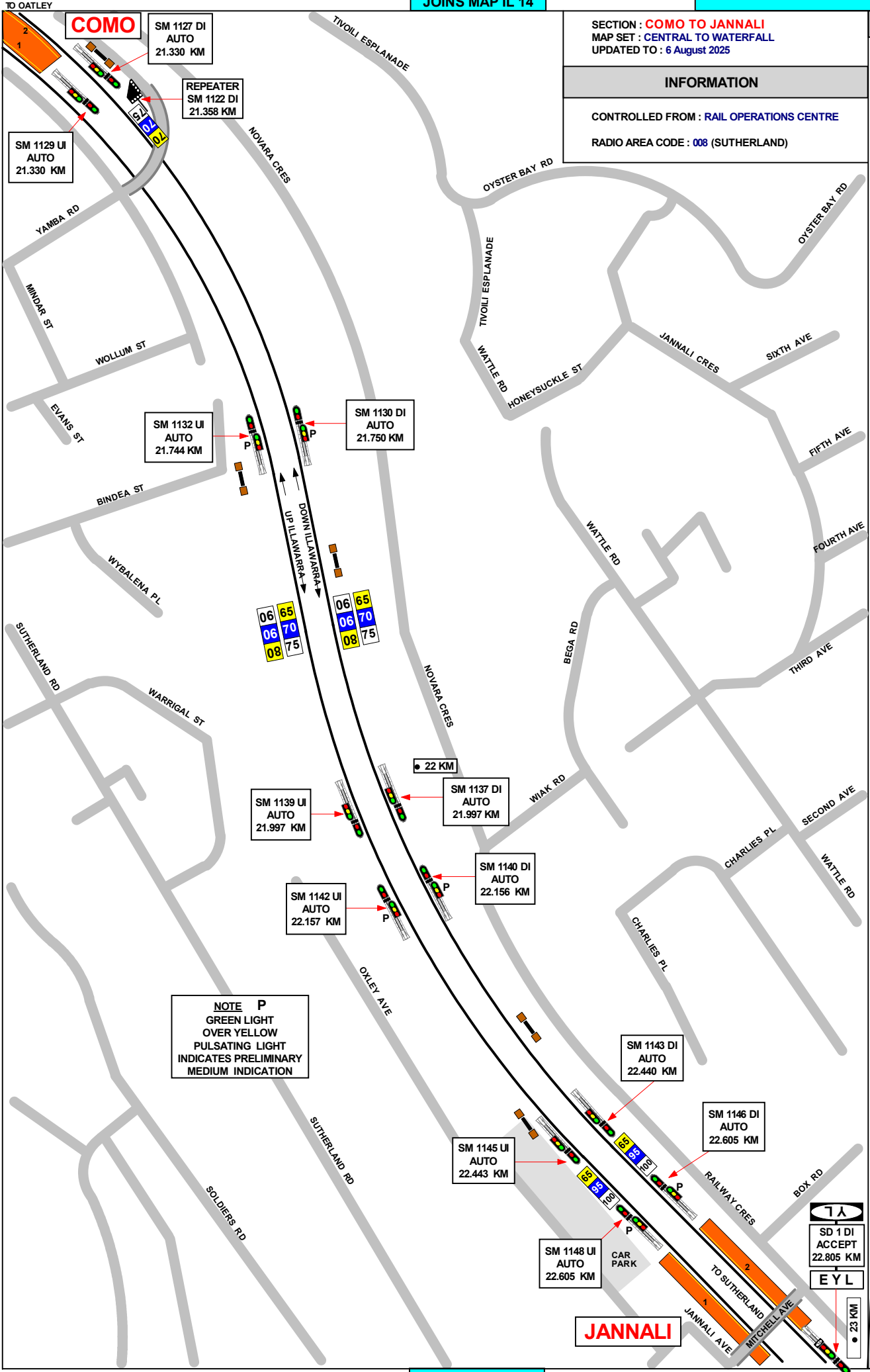
GRADIENT

1 IN 44

1 IN 52

1 IN 43

1 IN 42



JOINS MAP IL 15

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

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

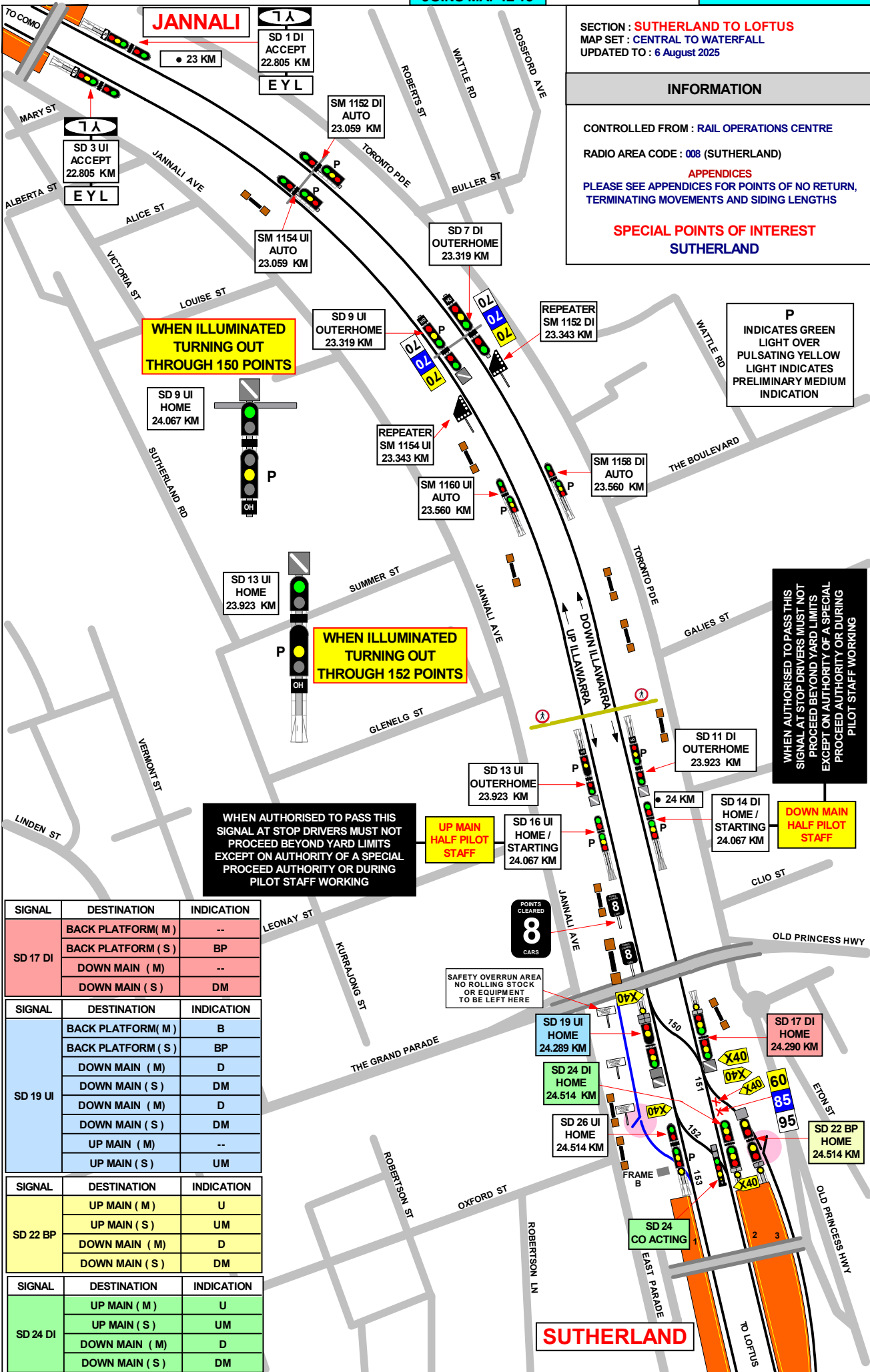
RADIO AREA CODE : 008 (SUTHERLAND)

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

SPECIAL POINTS OF INTEREST
SUTHERLAND

GRADIENT

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



**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**

**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**

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

SUTHERLAND

JOINS MAP IL 17

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

GRADIENT

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

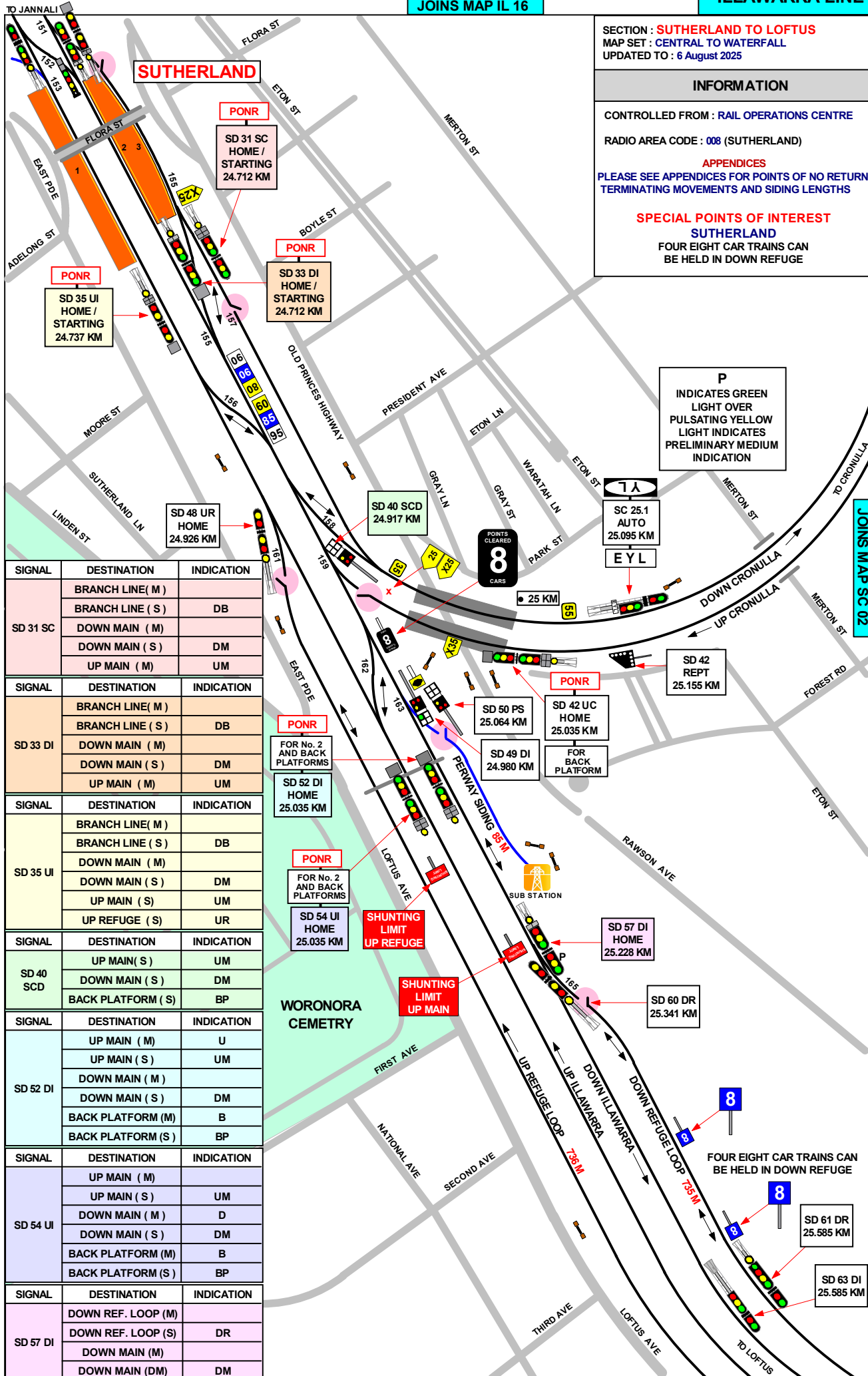
RADIO AREA CODE : 008 (SUTHERLAND)

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



SIGNAL	DESTINATION	INDICATION
SD 31 SC	BRANCH LINE (M)	
	BRANCH LINE (S)	DB
	DOWN MAIN (M)	
	DOWN MAIN (S)	DM
SD 33 DI	UP MAIN (M)	UM
	DOWN MAIN (M)	
	DOWN MAIN (S)	DM
	UP MAIN (M)	UM
SD 35 UI	UP MAIN (S)	UM
	UP MAIN (M)	
	DOWN MAIN (S)	DM
	DOWN MAIN (M)	
SD 40 SCD	UP MAIN (S)	UM
	DOWN MAIN (S)	DM
	BACK PLATFORM (S)	BP
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
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
SD 57 DI	DOWN REF. LOOP (M)	
	DOWN REF. LOOP (S)	DR
	DOWN MAIN (M)	
	DOWN MAIN (DM)	DM

1 IN 660

1 IN 330

JOINS MAP SC 02

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

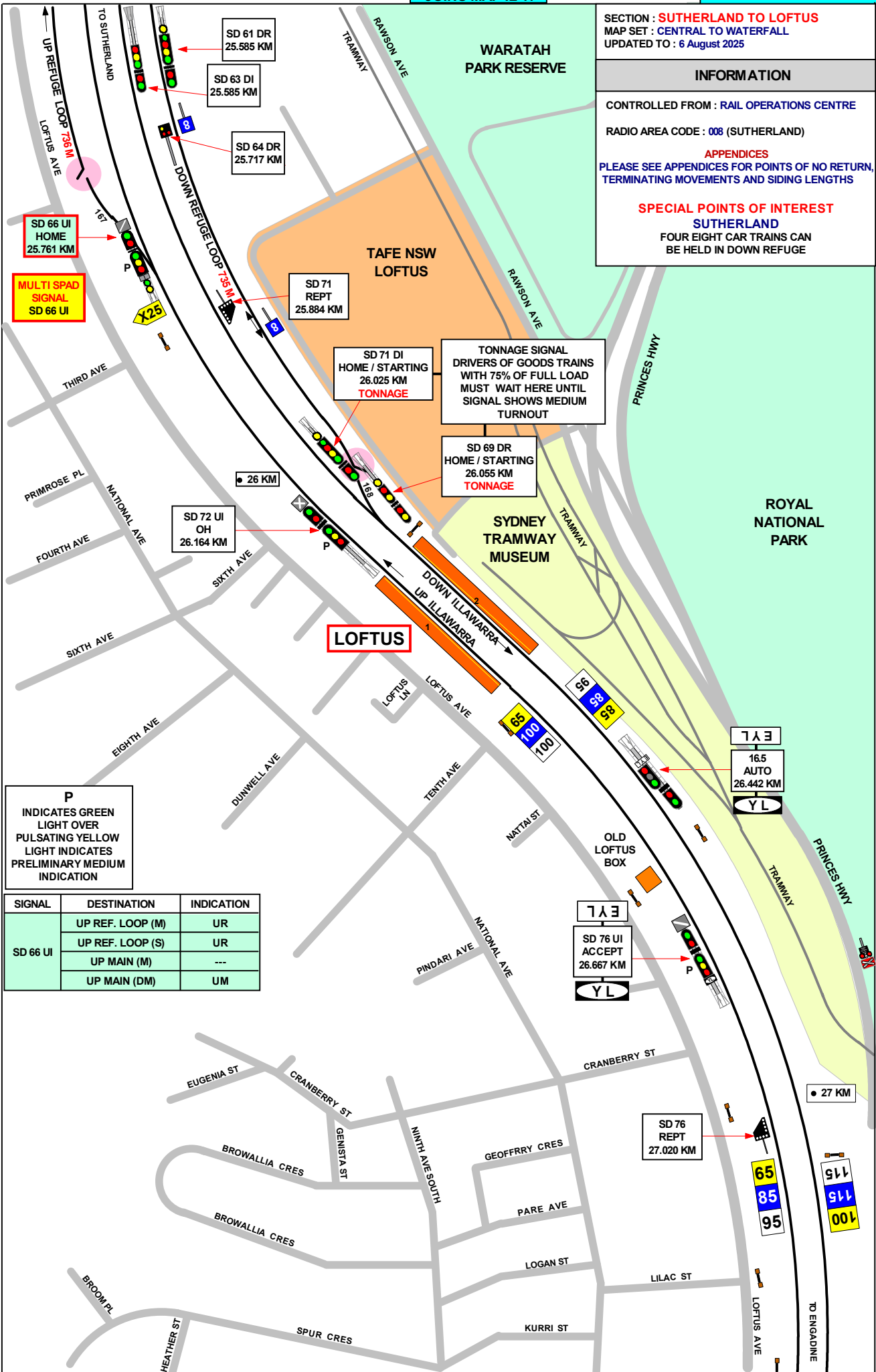
FOUR EIGHT CAR TRAINS CAN
 BE HELD IN DOWN REFUGE

LEVEL

1 IN 148

1 IN 40

1 IN 103



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

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

GRADIENT

INFORMATION

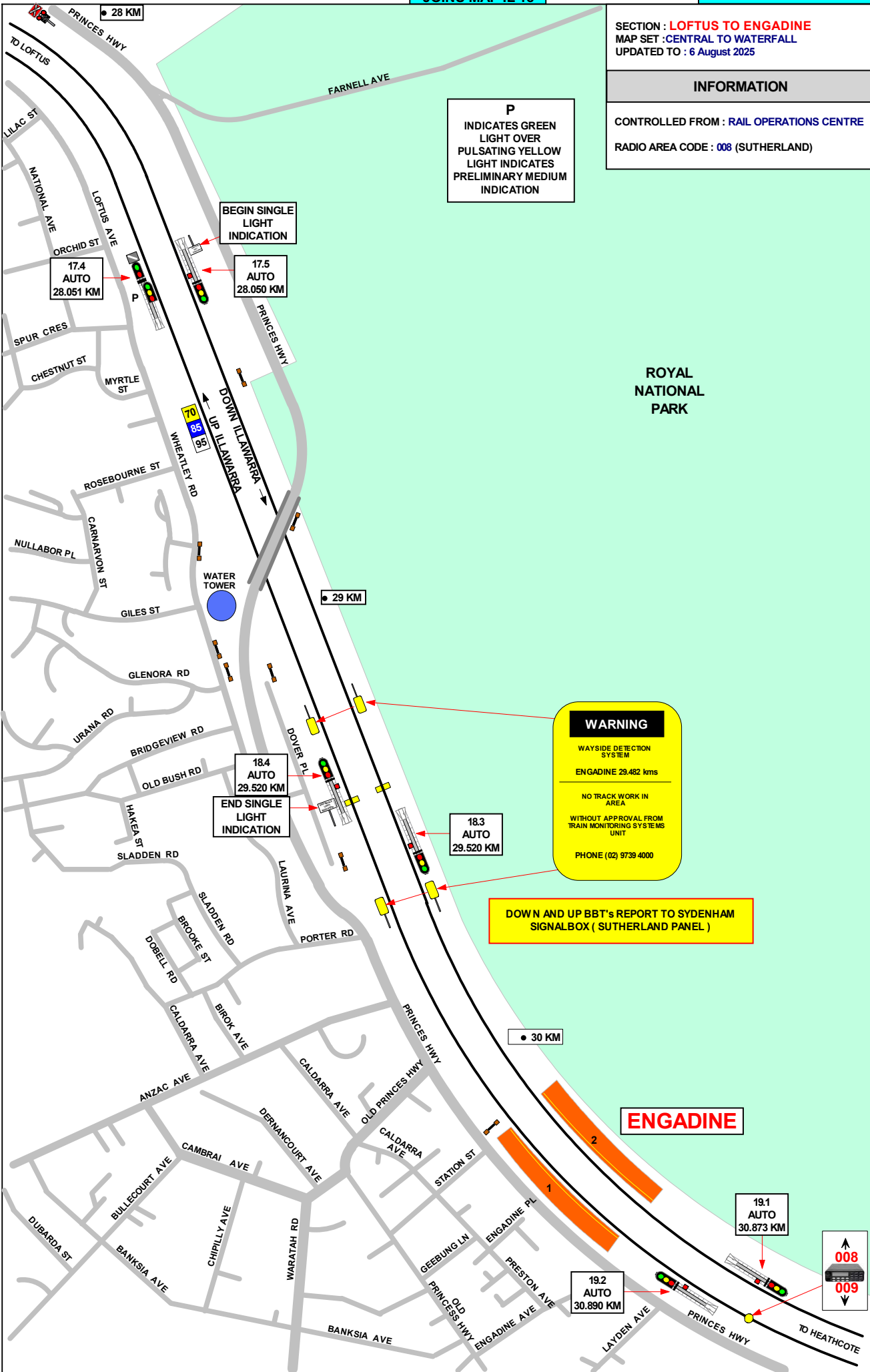
CONTROLLED FROM : RAIL OPERATIONS CENTRE
RADIO AREA CODE : 008 (SUTHERLAND)

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

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

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

ENGADINE



1 IN 103

1 IN 97

1 IN 50

1 IN 300

1 IN 127

1 IN 50

1 IN 227

ENGADINE

19.2 AUTO
30.890 KM

19.1 AUTO
30.873 KM

31 KM

ROYAL NATIONAL PARK

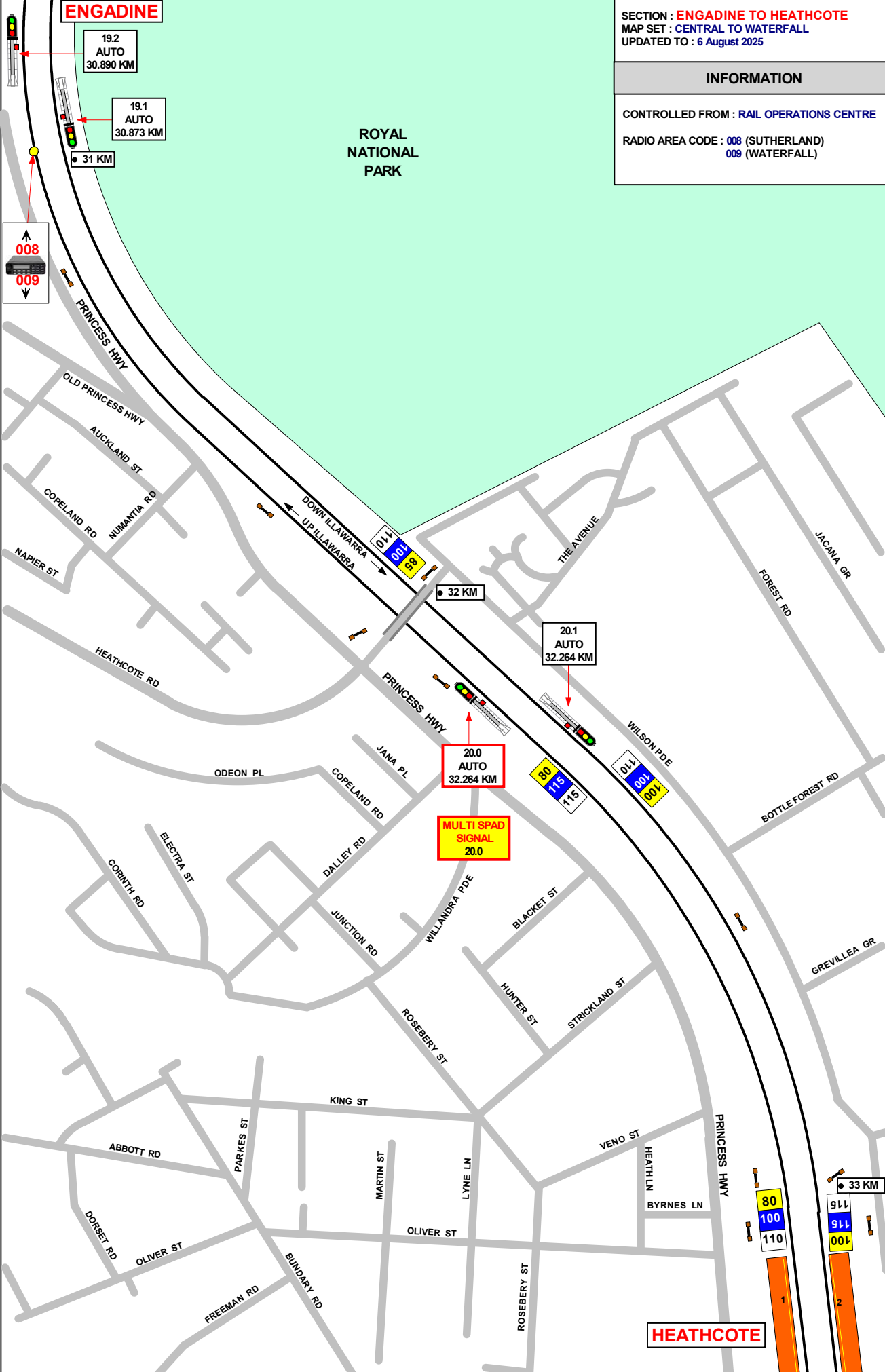
SECTION : **ENGADINE TO HEATHCOTE**
 MAP SET : CENTRAL TO WATERFALL
 UPDATED TO : 6 August 2025

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	



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

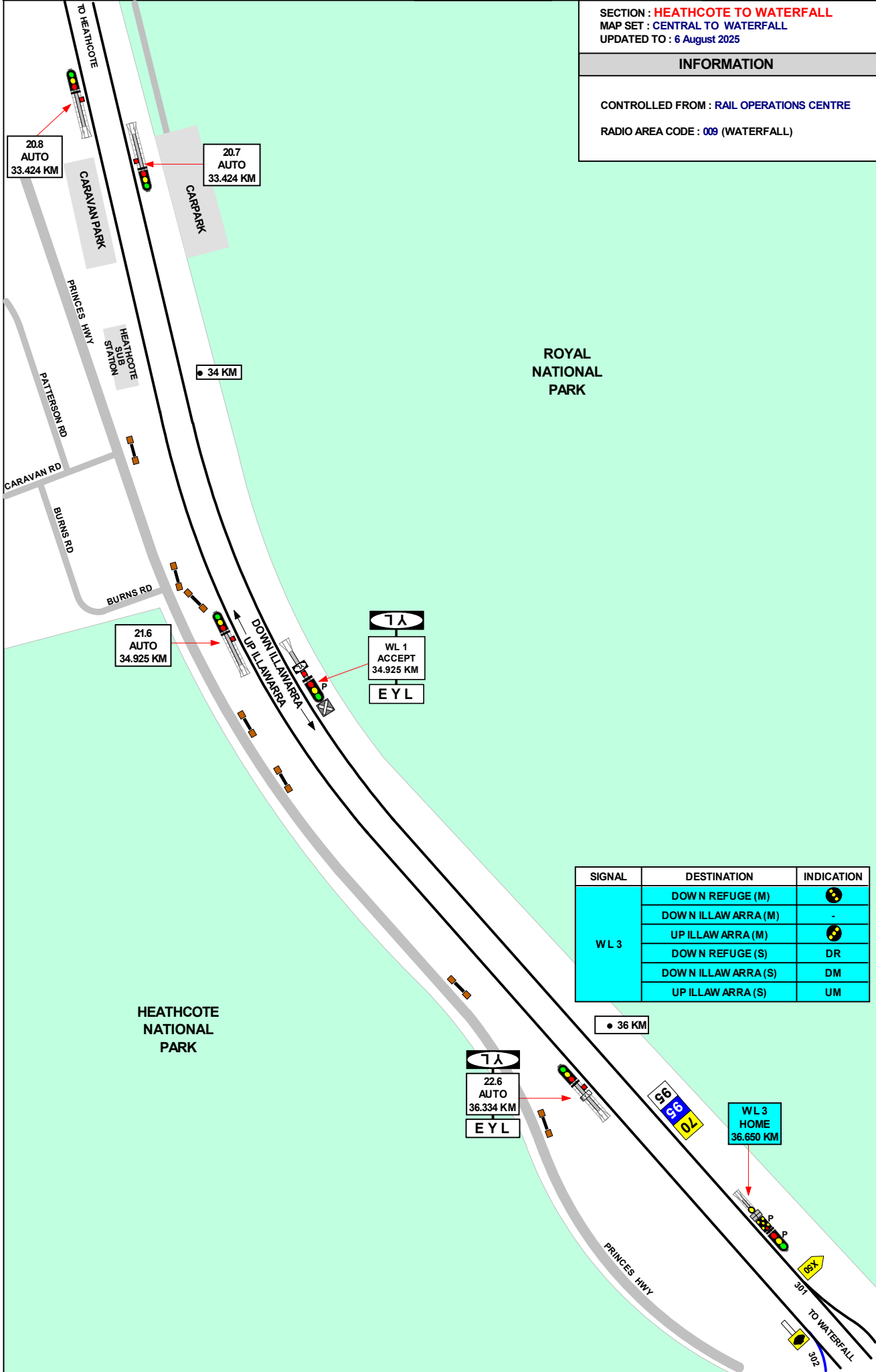
1 IN 480

1 IN 100

1 IN 76

LEVEL

1 IN 90



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 WATERFALL**
 UPDATED TO : 6 August 2025

GRADIENT

INFORMATION

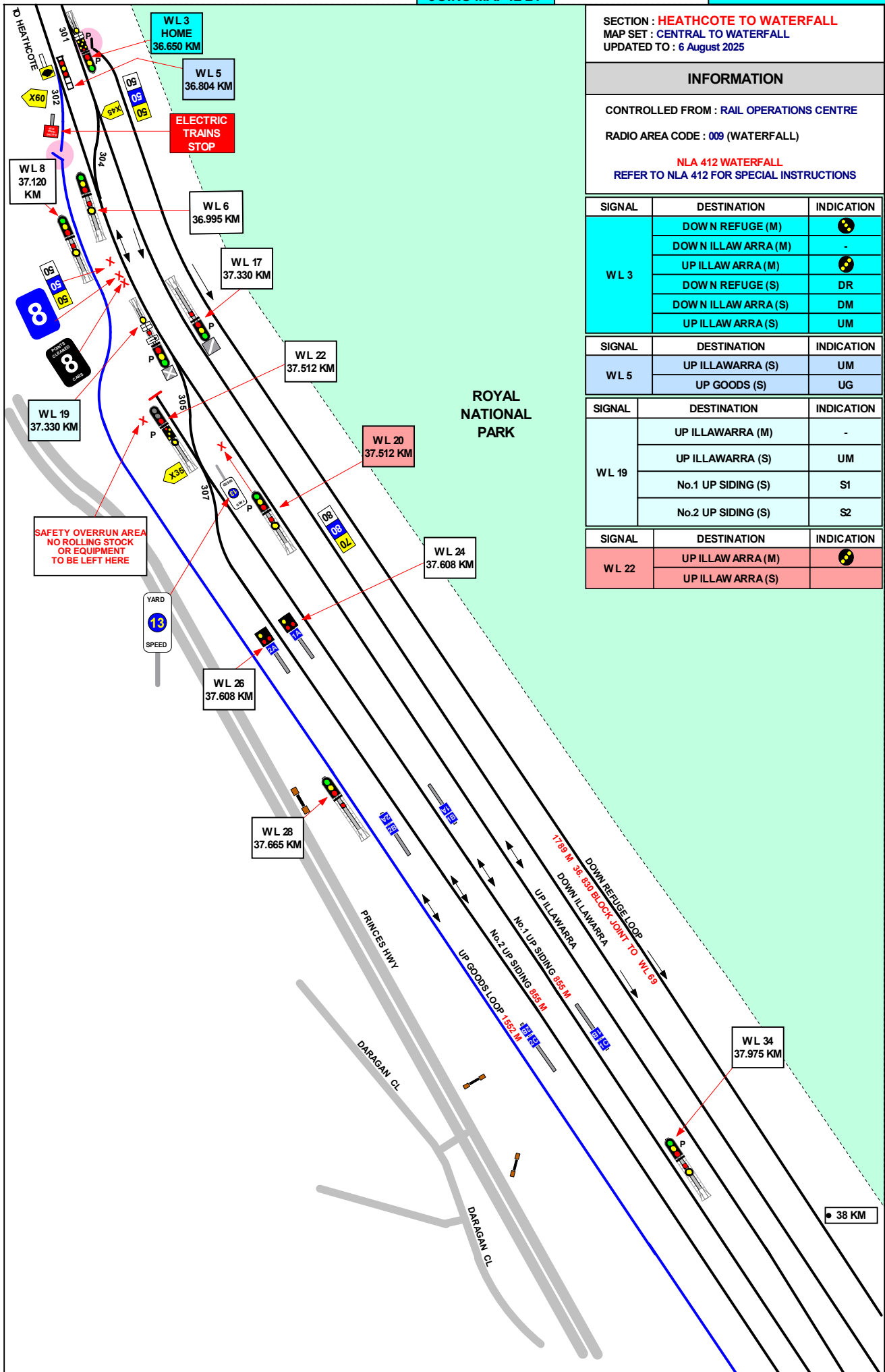
CONTROLLED FROM : RAIL OPERATIONS CENTRE
 RADIO AREA CODE : 009 (WATERFALL)
NLA 412 WATERFALL
 REFER TO NLA 412 FOR SPECIAL INSTRUCTIONS

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)	-



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

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.

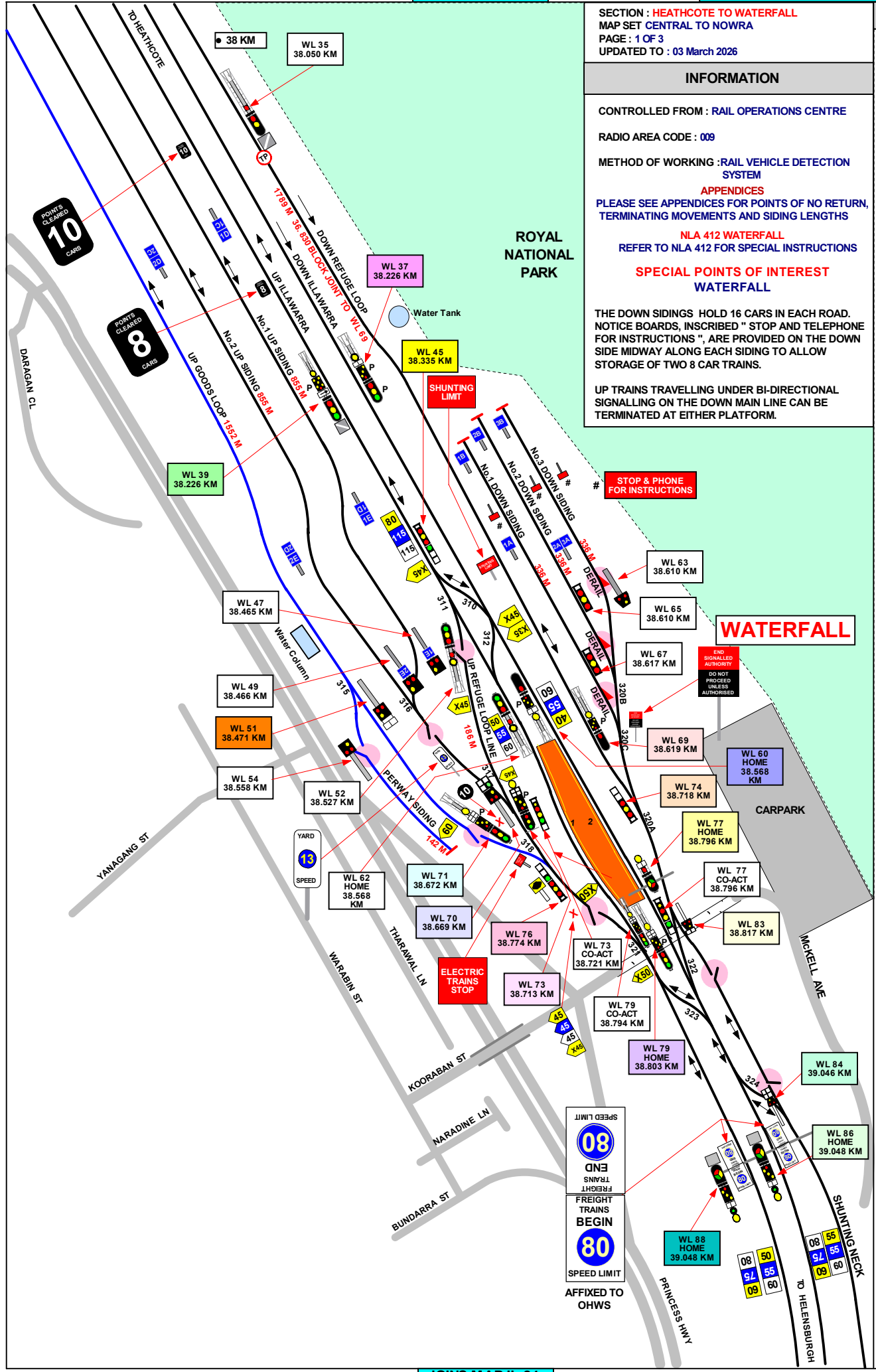
1 IN 220

1 IN 120

1 IN 187

1 IN 165

1 IN 88



POINTS CLEARED
10
CARS

POINTS CLEARED
8
CARS

STOP & PHONE FOR INSTRUCTIONS

WATERFALL

END
SIGNALLED
AUTHORITY
DO NOT
PROCEED
UNLESS
AUTHORISED

ELECTRIC TRAINS STOP

SPEED LIMIT
80
END
FREIGHT TRAINS BEGIN
80
SPEED LIMIT
AFFIXED TO OHWS

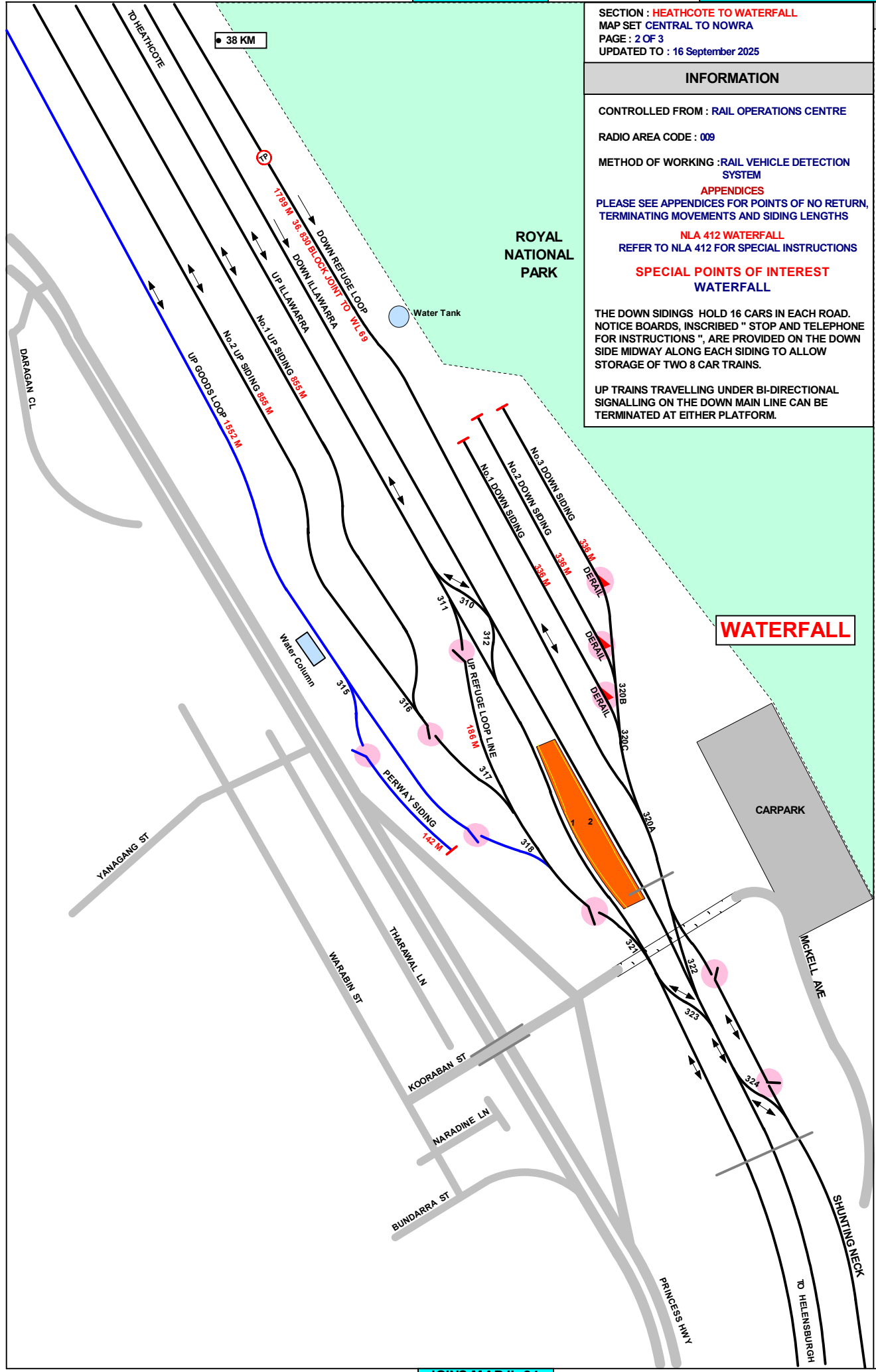
SECTION : **HEATHCOTE TO WATERFALL**
MAP SET CENTRAL TO NOWRA
PAGE : 2 OF 3
UPDATED TO : 16 September 2025

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.

1 IN 220
1 IN 120
1 IN 187
1 IN 165
1 IN 88



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