

DRIVERS ROUTE KNOWLEDGE DIAGRAMS

ILLAWARRA LINE

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

Effective Date: July 2025

Version: 5.82

Explanatory Notes:

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

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Please report any updates to
gis.support@transport.nsw.gov.au



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Location: TRIM Record No.D2015/579

SECTION : **CENTRAL TO REDFERN**
 MAP SET : **CENTRAL TO NOWRA**
 PAGE : 1 OF 4
 UPDATED TO : 02 June 2025

CENTRAL**PONR**SY 387 SR
HOME

0.180 KM

PONRSY 385 IL
HOME

0.181 KM

PONRSY 391 IL
HOME

0.340 KM

PONRSY 352 SR
HOME

0.438 KM

PONRSY 393 SR
OH

0.434 KM

PONRSY 801 SR
HOME /
STARTING

0.625 KM

PONRSY 399 IL
HOME

0.490 KM

PONRSY 422 SR
OH

0.660 KM

PONRSY 4131
OH

0.840 KM

PONRSY 122
HOME

0.853 KM

PONRSY 126 M
HOME

1.003 KM

PONRSY 127 UM
HOME

0.998 KM

PONRSY 130 ED
HOME

1.182 KM

PONRSY 131 M
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PONRSY 222
HOME

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PONR

SY 223

PONR
POINTS OF NO RETURN

SIGNAL No.	LOCATION	DESTINATION
SY 387 SR	COUNTRY END OF NUMBER 23 PLATFORM	ALL DOWN LINES INCLUDING THE DOWN AIRPORT LINE
SY 385 IL	COUNTRY END OF NUMBER 22 PLATFORM	DOWN AIRPORT LINE
SY 391 IL	APPROX 160 METRES COUNTRY SIDE OF 22 PLATFORM	ALL DOWN LINES EXCEPT THE DOWN AIRPORT LINE
SY 381 S	DOWN SUBURBAN COUNTRY END OF NUMBER 18 PLATFORM	EVELEIGH PRESENTATION CENTRE
SY 389 L	143 METRES BEYOND THE COUNTRY END OF 19 PLATFORM AT 0.325 KM	EVELEIGH PRESENTATION CENTRE
SY 407 S	DOWN SUBURBAN LINE PRIOR TO THE CLEVELAND STREET OVERBRIDGE AT 0.764 KM	ILLAWARRA LINES
SY 436 L	ON THE UP LOCAL LINE BETWEEN REDFERN AND THE CLEVELAND STREET OVERBRIDGE AT 1.040 KM	SYDNEY YARD
SY 434 S	ON THE UP SUBURBAN LINE BETWEEN REDFERN AND THE CLEVELAND STREET OVERBRIDGE AT 1.020 KM	SYDNEY YARD
SY 396 IL	ON THE TOP OF THE UP ILLAWARRA LOCAL FLYOVER AT 0.480 KM	NORTH SHORE LINES
SY 399 IL	ON THE DOWN ILLAWARRA LOCAL LINE BELOW THE FLYOVERS AT 0.490 KM	EVELEIGH PRESENTATION CENTRE
SY 127	DOWN FACING SIGNAL ON THE UP MAIN LINE AT 0.998 KM	EVELEIGH ENGINE DIVE OR REDFERN PLATFORM 1

SECTION : **CENTRAL TO REDFERN**
MAP SET : **CENTRAL TO WATERFALL**
PAGE : 2 OF 4
UPDATED TO : 13 January 2025

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

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

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



SIGNAL SY 389 L



SIGNAL SY 407 S



SIGNAL SY 436 L

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 390 I HOME 0.280 KM	SY 385 IL HOME 0.181 KM	SY 387 I HOME 0.180 KM	SY 391 IL HOME 0.270 KM
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SY 395 S OH 0.381 KM	SY 394 L HOME 0.470 KM	SY 397 L HOME 0.491 KM	SY 396 IL HOME 0.480 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
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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
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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
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SY 127 HOME 0.990 KM	SY 126 M HOME 1.004 KM	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
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SY 130 ED HOME 0.990 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
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SIGNAL	DESTINATION	INDICATION
SY 436 L	UP MAIN	M
	UP SUBURBAN	Y

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

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

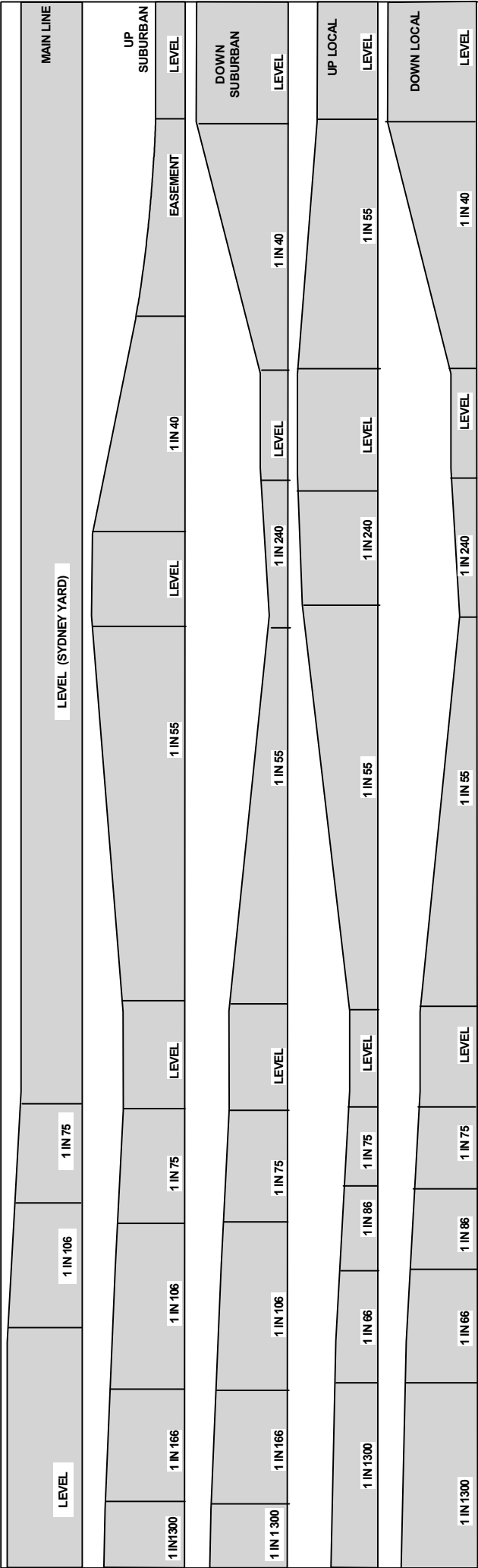
SIGNAL	DESTINATION	INDICATION
SY 115	UP GOODS	G
	UP MAIN	M
	REGENTS STREET	R

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

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

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



SECTION : **CENTRAL TO REDFERN**
MAP SET : **CENTRAL TO WATERFALL**
PAGE : 3 OF 4
UPDATED TO : 6 February 2024

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

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

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

REDFERN**TERMINATING TRAINS (UNDER NORMAL CONDITIONS)**

FROM	TERMINATE AT	THEN GO TO
DOWN TRAINS	No. 10 PLATFORM	SHUNT FORWARD CLEAR OF SIGNAL SY 140 AND RETURN TO UP ILLAWARRA LOCAL VIA 653 CROSSOVER OR RUN INTO EVELEIGH PRESENTATION CENTRE.
	No. 2 PLATFORM	SHUNT FORWARD CLEAR OF SIGNAL SY 448 AND RETURN TO UP MAIN LINE VIA 647 CROSSOVER.
	NO. 6 PLATFORM	SHUNT FORWARD TO MACDONALDTOWN SIDINGS AND RETURN ON THE UP LOCAL OR UP ILLAWARRA LOCAL
UP TRAINS	No. 9 PLATFORM	THEN RETURN TO DOWN ILLAWARRA LINE OR PROCEED TO EVELEIGH TRAIN PRESENTATION CENTRE.
	No. 1 PLATFORM	THEN RETURN TO THE DOWN MAIN LINE OR DOWN ILLAWARRA DIVE OR ELSTONS SIDINGS.

CENTRAL**TERMINATING TRAINS (UNDER NORMAL CONDITIONS)**

FROM	TERMINATE AT	THEN GO TO
DOWN CITY OUTER AND DOWN SHORE TRAINS	No. 16 PLATFORM No. 17 PLATFORM	SHUNT FORWARD CLEAR OF SIGNAL SY 366 OR SY 364 WITHOUT ANY PORTION OF THE TRAIN PASSING THE RESPECTIVE CAR MARKER AND RETURN TO CENTRAL VIA POINT Nos. 617 AND 618 FOR PLATFORM 18 AND ALSO POINTS No. 619 FOR PLATFORM 19
DOWN CITY INNER TRAINS	No. 20 PLATFORM No. 21 PLATFORM	SHUNT FORWARD CLEAR OF SIGNAL SY 369 CI WITHOUT ANY PORTION OF THE TRAIN PASSING THE RESPECTIVE CAR MARKER AND RETURN TO CENTRAL VIA POINT No. 621 TO PLATFORMS Nos. 22 OR 23
UP AIRPORT LINE TRAINS	No. 22 PLATFORM No. 23 PLATFORM	CROSS FROM THE UP AIRPORT LINE TO THE DOWN AIRPORT LINE VIA No. 850 POINTS THEN TERMINATE ON PLATFORMS 22 OR 23. TRAIN NOW FORMS A DOWN SERVICE

CENTRAL**TIMING MARKER SIGNS**

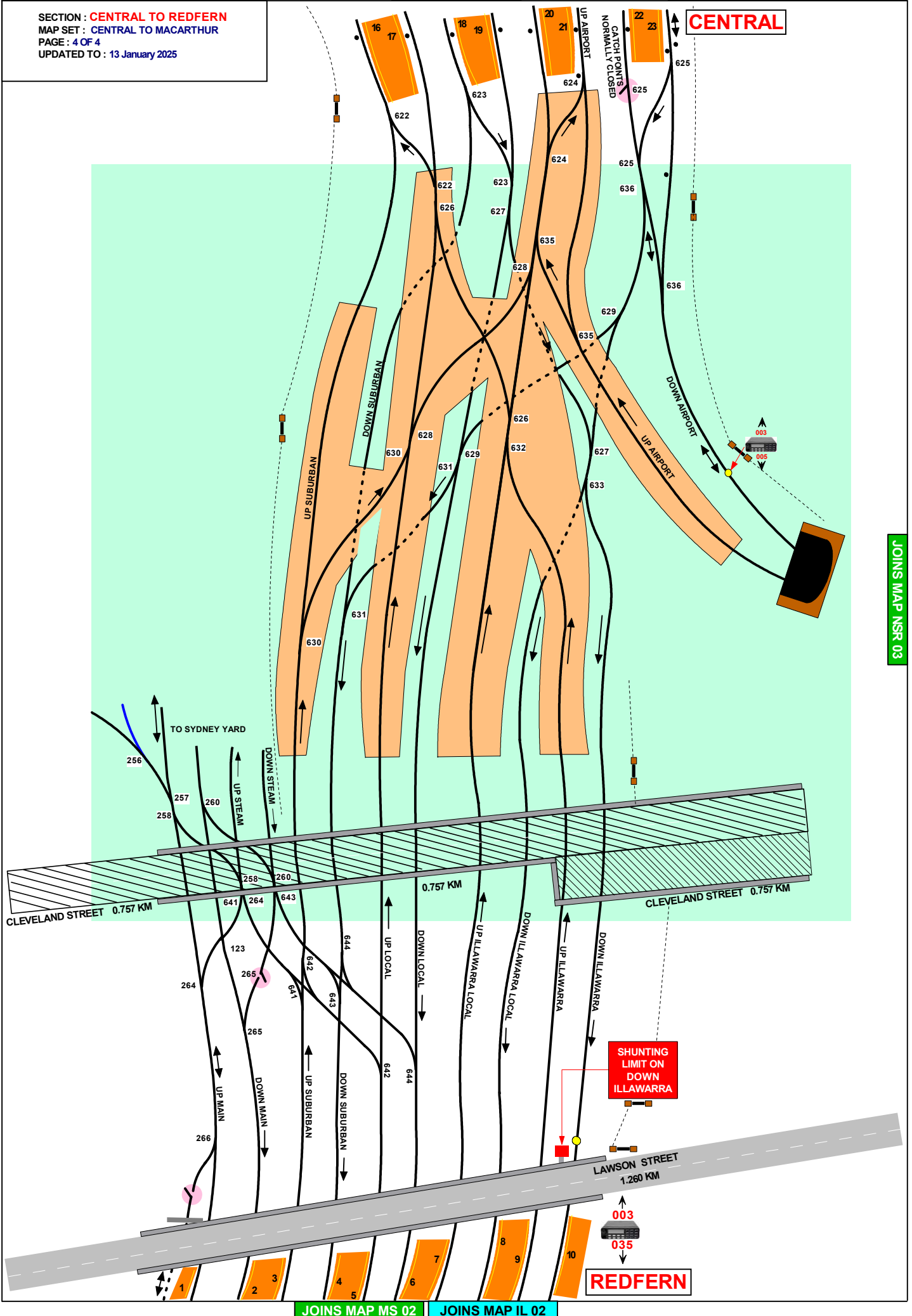
FOUR TIMING MARKER SIGNS, EACH WITH A YELLOW REFLECTIVE LETTER ' T ' DISPLAYED ON A BLACK BACKGROUND, ARE PROVIDED IN THE CENTRAL FLYOVER AREA WHERE THE TIMING SECTIONS ARE UNUSUALLY SHORT.

THEY ARE LOCATED AS FOLLOWS:

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

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

SECTION : **CENTRAL TO REDFERN**
MAP SET : **CENTRAL TO MACARTHUR**
PAGE : 4 OF 4
UPDATED TO : 13 January 2025

CENTRAL

SECTION : REDFERN TO ERSKINEVILLE
REDFERN TO MACDONALDTOWN
MAP SET : CENTRAL TO WATERFALL
PAGE : 1 OF 4
UPDATED TO : 07 April 2025

MULTI SPAD
SIGNAL
SY 481 M

MULTI SPAD
SIGNAL
SY 516 L

MULTI SPAD
SIGNAL
SY 537 I

REDFERN

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 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 499 IL AUTO 1.957 KM	SY 536 IL ACCEPT 2.396 KM
YL	YL	YL	YL	YL	YL	YL	YL

NLA 100 CENTRAL
REFER TO NLA 100 FOR
GBWS
PROCEDURES

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

POINTS
CLEARED
8
CARS

UP ILLAWARRA DIVE
DOWN ILLAWARRA DIVE

POINTS
CLEARED
8
CARS

POINTS
CLEARED
8
CARS

POINTS
CLEARED
8
CARS

JOINS MAP
YARDS 14

JOINS MAP
YARDS 14

MACDONALDTOWN

MACDONALDTOWN
STABLING YARD

THESE SIGNS LOCATED
WITHIN THE YARD
(BACK TO BACK)

TRAIN
WHISTLE
RESTRICTIONS
APPLY IN THIS
YARD

SPECIAL POINTS OF INTEREST

ERSKINEVILLE

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

INFORMATION

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)

SECTION : REDFERN TO ERSKINEVILLE
REDFERN TO MACDONALDTOWN

MAP SET : CENTRAL TO WATERFALL
PAGE : 2 of 4
UPDATED TO : 9 December 2024

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 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							
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 HOME 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 HOME 2.797 KM

POINTS OF NO RETURN

SIGNAL No.	LOCATION	DESTINATIONS
SY 455 1.328KM	PLATFORM 1 REDFERN	TURN OUT FOR ELSTONS SIDINGS OR DOWN ILLAWARRA
SY 457 M 1.391 KM	PLATFORM No. 2 REDFERN	TURN OUT FOR DOWN ILLAWARRA LINES
SY 485 L 1.796 KM	DOWN LOCAL	TURN OUT FOR ILLAWARRA LINES
SY 465 I 1.494 KM	PLATFORM No. 10 REDFERN	TURN OUT FOR EVELEIGH
SY 525 V 2.053 KM	DOWN ILLAWARRA DIVE	TURN OUT FOR EVELEIGH
SY 512 M 2.245 KM	UP MAIN	MUST CROSS TO SUBURBAN FOR ETR PLATFORMS 16 - 21
SY 496 IL 1.978 KM	UP ILLAWARRA LOCAL	MUST TURN OUT TO UP LOCAL FOR SYDNEY YARD
SY 497 L 1.965 KM	DOWN LOCAL	MACDONALDTOWN TURNBACK SIDINGS
SY 538 I 2.396 KM	UP ILLAWARRA	TURN OUT THROUGH ILLAWARRA DIVE FOR SYDNEY YARD
SY 485 L 1.796 KM	DOWN LOCAL	TURN OUT FOR ILLAWARRA LINES
SY 544 I 2.797 KM	CITY END ERSKINEVILLE PLATFORM	TURN OUT FOR ESR OR EVELEIGH

REDFERN

TERMINATING TRAINS (UNDER NORMAL CONDITIONS)

FROM	TERMINATE AT	THEN GO TO
DOWN TRAINS	No. 10 PLATFORM	SHUNT FORWARD CLEAR OF SIGNAL SY 140 AND RETURN TO UP ILLAWARRA LOCAL VIA 653 CROSSOVER OR RUN INTO EVELEIGH PRESENTATION CENTRE.
	No. 2 PLATFORM	SHUNT FORWARD CLEAR OF SIGNAL SY 448 AND RETURN TO UP MAIN LINE VIA 647 CROSSOVER.
	NO. 6 PLATFORM	SHUNT FORWARD TO MACDONALDTOWN YARD AND RETURN TO THE UP LOCAL VIA 665 CROSSOVER.
UP TRAINS	No. 9 PLATFORM	THEN RETURN TO DOWN ILLAWARRA LINE OR PROCEED TO EVELEIGH TRAIN PRESENTATION CENTRE.
	No. 1 PLATFORM	THEN RETURN TO DOWN MAIN LINE OR DOWN ILLAWARRA DIVE.

RADIO TRANSPONDER AREA NUMBERS

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

MACDONALDTOWN

TERMINATING TRAINS (UNDER NORMAL CONDITIONS)

FROM	TERMINATE AT	THEN GO TO
UP TRAINS	No. 1 PLATFORM	SHUNT FORWARD TO A POSITION CLEAR OF SIGNAL SY 507, THEN RETURN TO DOWN LOCAL LINE VIA 665 CROSSOVER OR DOWN SUBURBAN VIA 665 AND 670 CROSSOVERS

ERSKINEVILLE

TERMINATING TRAINS (UNDER NORMAL CONDITIONS)

FROM	TERMINATE AT	THEN GO TO
DOWN ILLAWARRA DOWN E.S.R	PLATFORM No. 4 ERSKINEVILLE	EVELEIGH YARD

SPECIAL POINTS OF INTEREST

ERSKINEVILLE

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

INFORMATION

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)

SECTION : REDFERN TO ERSKINEVILLE
REDFERN TO MACDONALDTOWN

MAP SET : CENTRAL TO WATERFALL
PAGE : 3 OF 4
UPDATED TO : 23 May 2023

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

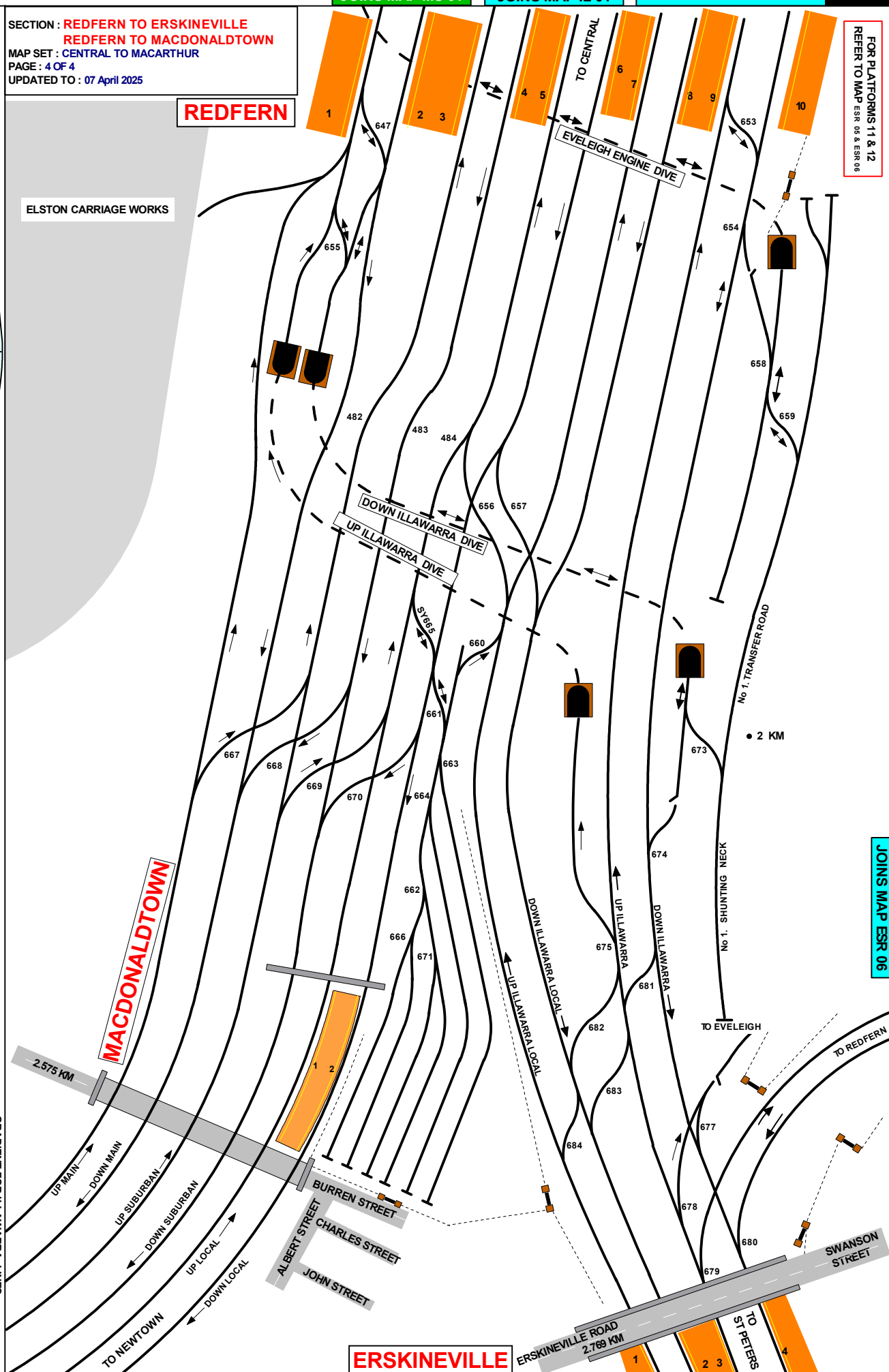
UL UI

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

REDFERN

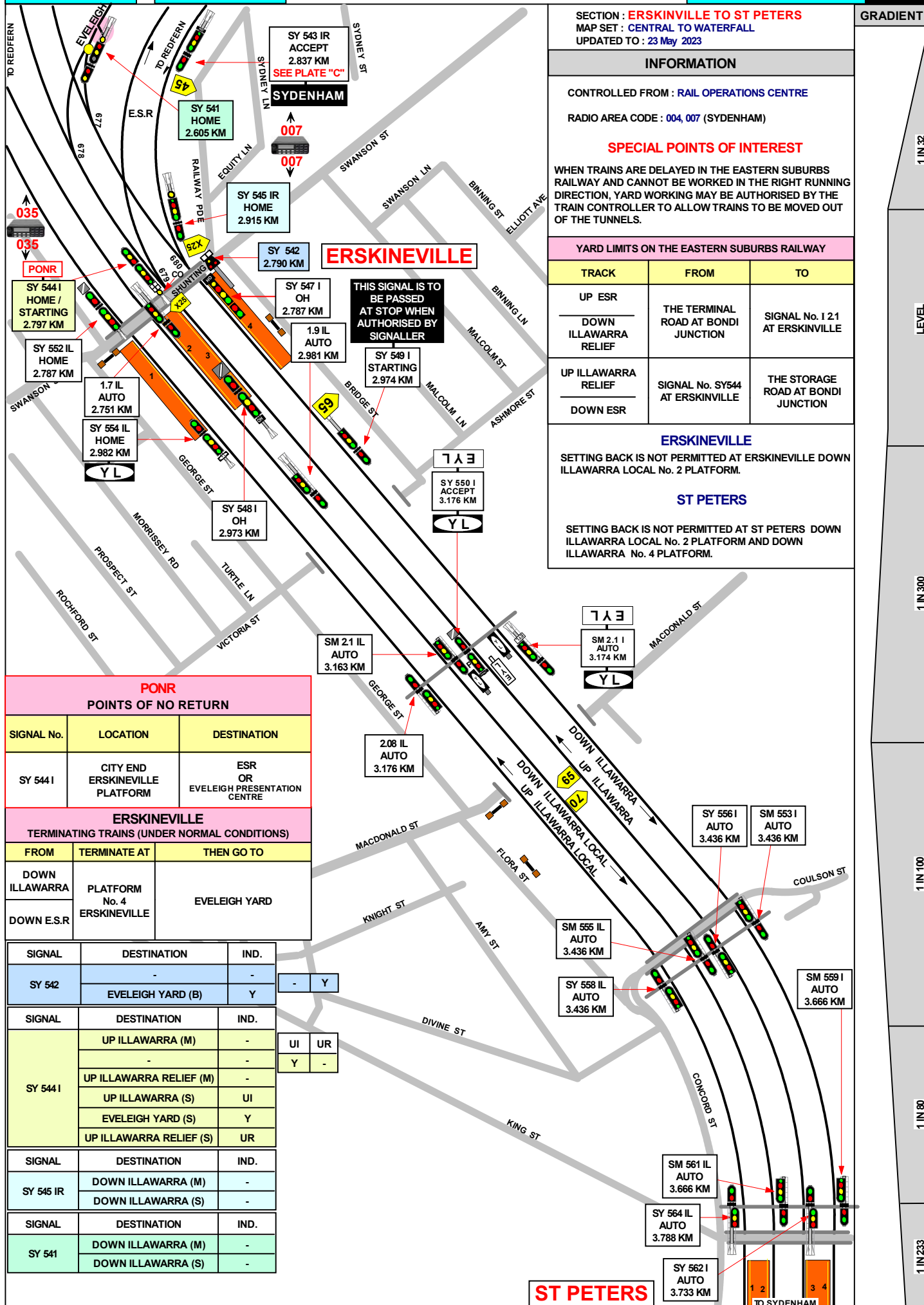
**FOR PLATFORMS 11 & 12
REFER TO MAP ESR 05 & ESR 06**

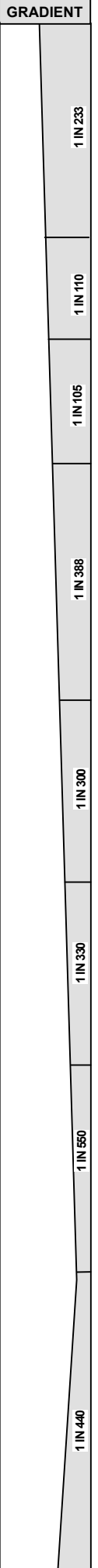


JOINS MAP ESR 06

JOINS MAP MS 03

JOINS MAP IL 03





SIGNAL No.	LOCATION	DESTINATION
SM 583 I	DOWN ILLAWARRA APPROXIMATELY 400 METRES SYDNEY SIDE OF No. 6 PLATFORM SYDENHAM	BANKSTOWN LINE OR XPT SERVICE CENTRE
SM 594 IL	UP ILLAWARRA LOCAL APPROXIMATELY 200 METRES SYDNEY SIDE OF No. 3 PLATFORM SYDENHAM	ESR

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

JOINS MAP IL 04

SYDENHAM

SECTION : SYDENHAM TO TEMPE
MAP SET : CENTRAL TO WATERFALL
PAGE: 1 OF 2
UPDATED TO : 14 January 2025

GRADIENT

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

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

SPECIAL POINTS OF INTEREST

SYDNEY METRO NETWORK

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

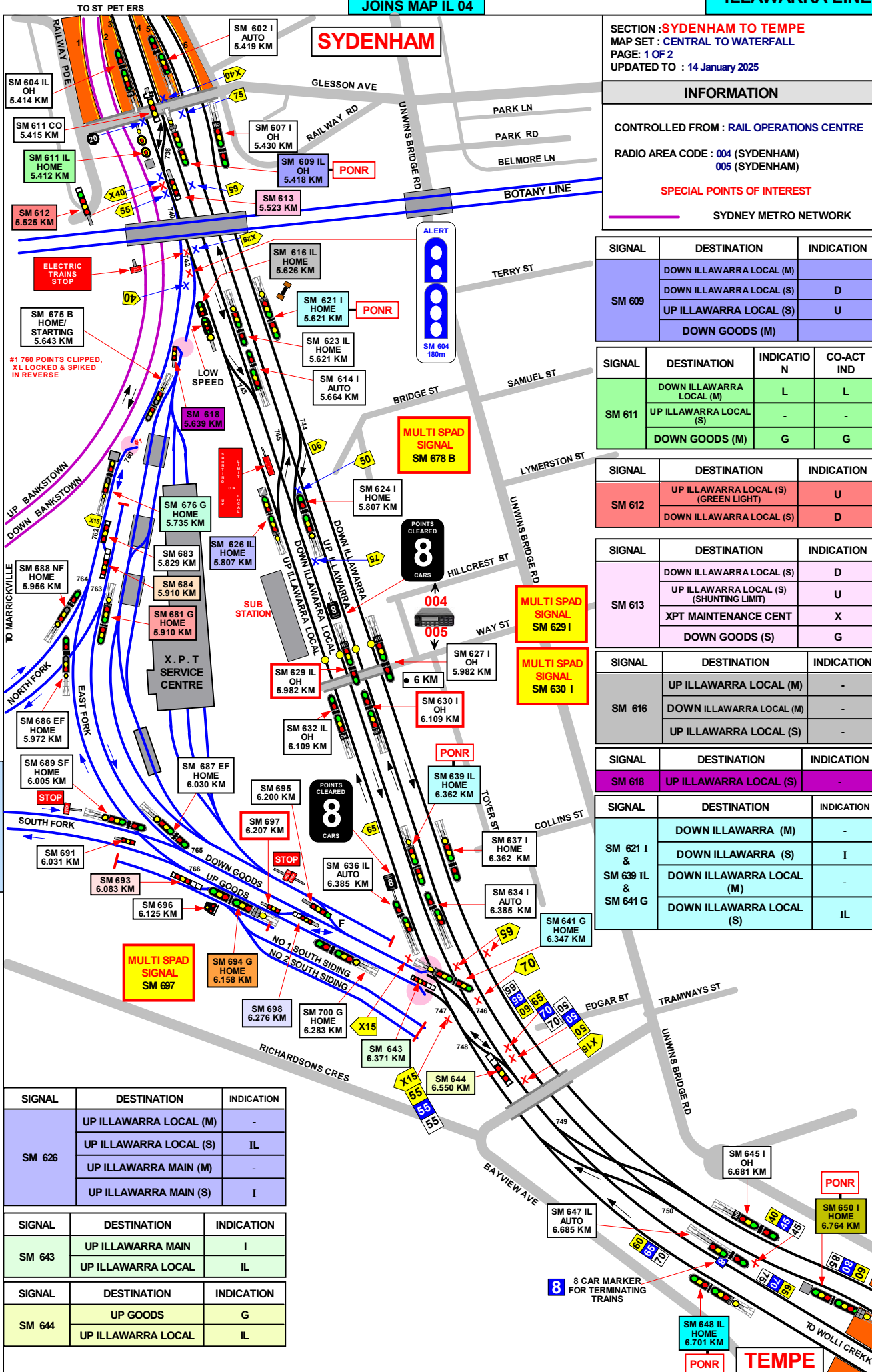
SIGNAL	DESTINATION	INDICATION
SM 612	UP ILLAWARRA LOCAL (S) (GREEN LIGHT)	U
	DOWN ILLAWARRA LOCAL (S)	D

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 616	UP ILLAWARRA LOCAL (M)	-
	DOWN ILLAWARRA LOCAL (M)	-
	UP ILLAWARRA LOCAL (S)	-

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

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



JOINS MAP IL 06

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 616 IL	UP BANKSTOWN (M)	1
	UP BANKSTOWN (S)	1
	DOWN BANKSTOWN (M)	2
	DOWN BANKSTOWN (S)	2
	UP ILLAWARRA LOCAL (M)	-
	UP ILLAWARRA LOCAL (S)	IL

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 676	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

SECTION : SYDENHAM TO TEMPE MAP SET : CENTRAL TO WATERFALL PAGE: 2 OF 2 UPDATED TO : 14 October 2024
INFORMATION
CONTROLLED FROM : RAIL OPERATIONS CENTRE RADIO AREA CODE : 004 (SYDENHAM) 005 (SYDENHAM)

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.

SYDENHAM

TERMINATING TRAINS (UNDER NORMAL CONDITIONS)

FROM	TERMINATE AT	THEN GO TO
UP BANKSTOWN	No. 3 PLATFORM	RETURN TO EITHER THE DOWN BANKSTOWN LINE, THE DOWN ILLAWARRA LOCAL LINE, THE XPT SIDINGS OR THE GOODS LINES
UP ILLAWARRA LINE	No. 3 PLATFORM	RETURN TO EITHER THE DOWN BANKSTOWN LINE, THE DOWN ILLAWARRA LOCAL LINE, THE XPT SIDINGS OR THE GOODS LINES.
	No. 4 PLATFORM	RETURN TO EITHER THE DOWN BANKSTOWN LINE, THE DOWN ILLAWARRA LOCAL LINE, THE XPT SIDINGS OR THE GOODS LINES.
DOWN TRAINS	No.4 PLATFORM - RETURN TO UP ILLAWARRA LOCAL VIA 735PTS	
DOWN TRAINS AT TEMPE	DOWN ILLAWARRA TRAINS MAY TERMINATE BEHIND SIGNAL SM 644 AND RETURN TO THE UP ILLAWARRA LOCAL LINE.	
UP TRAINS AT TEMPE	UP GOODS LINE AT SIGNAL No. SM 700	RETURN TO THE DOWN ILLAWARRA LOCAL OR DOWN ILLAWARRA LINE VIA No. 748 POINTS
	UP SOUTH FORK	RETURN TO THE DOWN GOODS LINE VIA No. 770 POINTS.

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

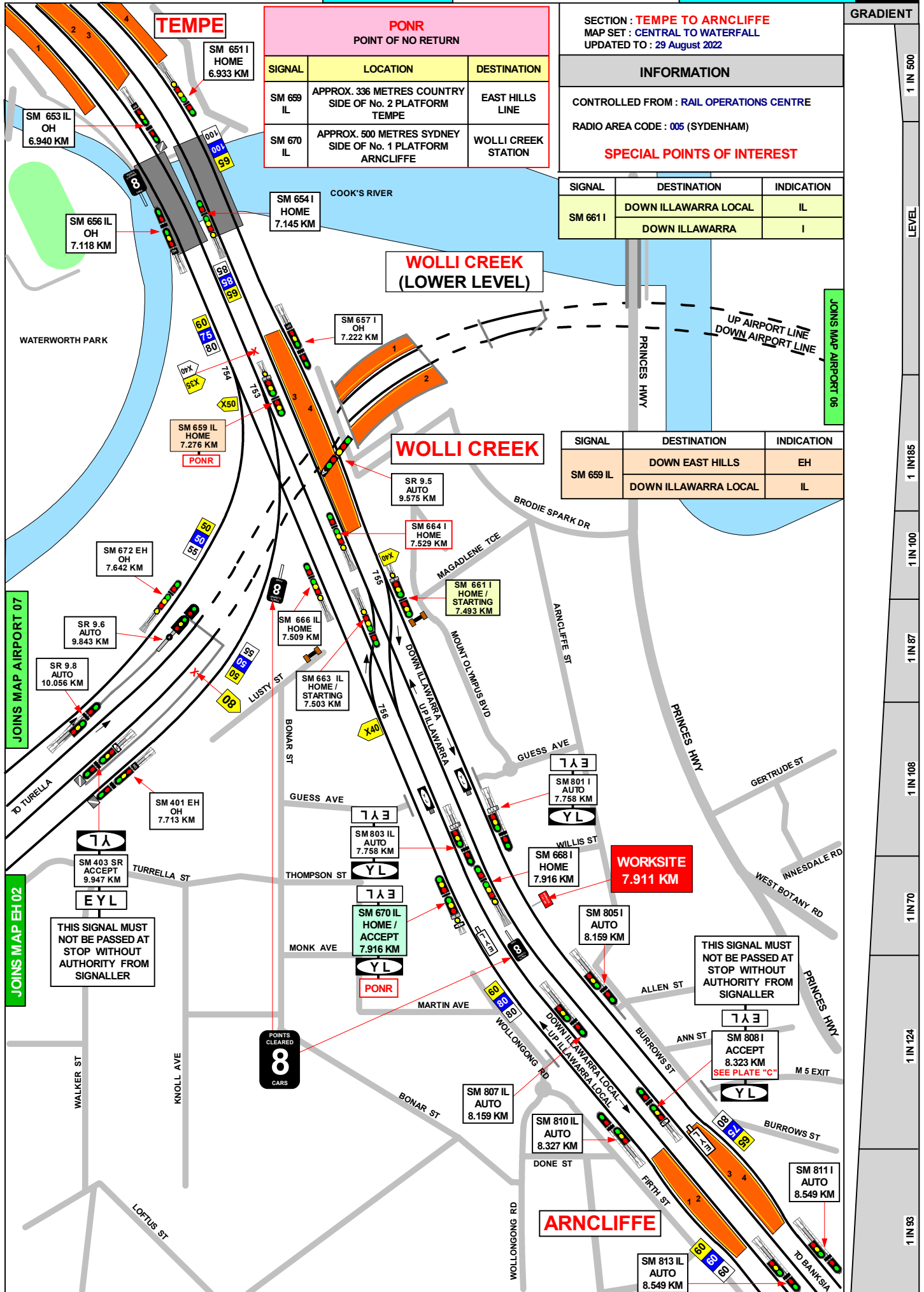
PONR

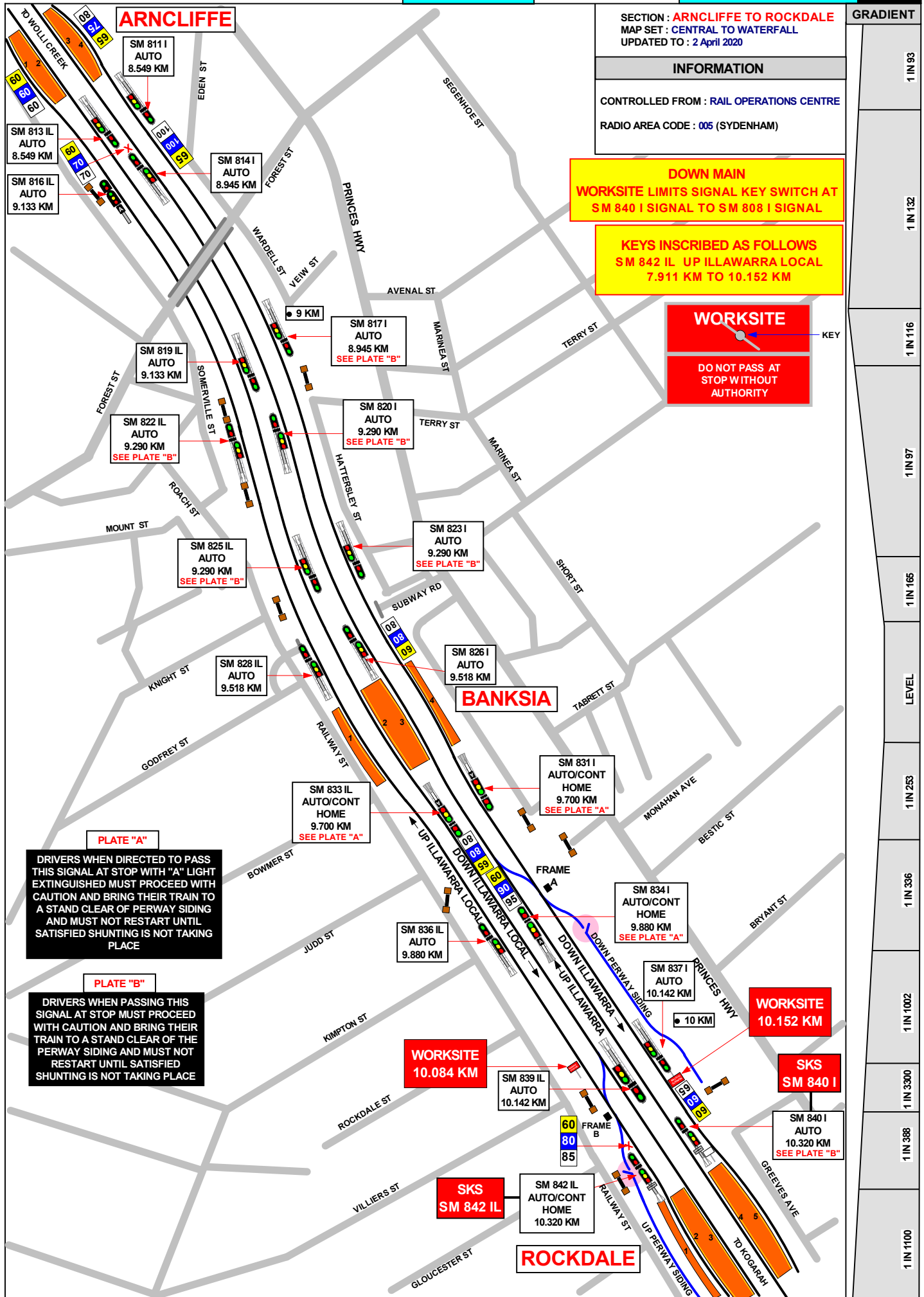
POINT OF NO RETURN

SIGNAL No.	LOCATION	DESTINATION
SM 609 IL	COUNTRY END OF No. 4 PLATFORM SYDENHAM (DOWN ILLAWARRA LOCAL)	BANKSTOWN LINE
SM 621 I	APPROX. 250 METRES COUNTRY SIDE OF No. 6 PLATFORM SYDENHAM (DOWN ILLAWARRA)	EAST HILLS LINE
SM 639 IL	APPROX. 1 KILOMETRE COUNTRY SIDE OF No. 4 PLATFORM SYDENHAM (DOWN ILLAWARRA LOCAL)	WOLLI CREEK STATION
SM 675 B	DOWN BANKSTOWN LINE AT 5.643 KM	GOODS LINE
SM 648 IL	SYDNEY END OF No. 1 PLATFORM TEMPE	GOODS LINE
SM 650 I	SYDNEY END OF No. 3 PLATFORM TEMPE	GOODS LINE

JOINS MAP IL 05

TO SYDENHAM











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

GRADIENT

LEVEL

RADIO AREA CODE : 006 (SYDENHAM)

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

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

107 MI 1.

7 IN 73

1 IN 85

HURSTVILLE

PLATE "C"

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

MULTI SPAD SIGNAL
SM 941 DI

POINTS CLEARED
8
CARS

SM 934
15.082 KM

SM 936 DI
HOME
15.205 KM

SM 938 UI
HOME
15.205 KM

SM 940 IL
HOME
15.260 KM

SM 941 DI
HOME
15.398 KM

SM 943 UI
HOME
15.398 KM

SM 945 UIL
HOME
15.449 KM

SM 946 DI
OH
15.676 KM
SEE PLATE "C"

SM 947 DI
OH
15.789 KM
SEE PLATE "C"

SM 948 UI
HOME
15.676 KM

SM 949 UI
OH
15.789 KM
SEE PLATE "C"

PANTOGRAPH MONITORING SYSTEM
15.856 KM

WARNING
PANTOGRAPH CONDITION MONITORING SYSTEM
NO MAINTENANCE WORK IN THIS AREA
WITHOUT APPROVAL FROM CONDITION MONITORING OPERATIONS PH 9379 4000

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

PENSHURST

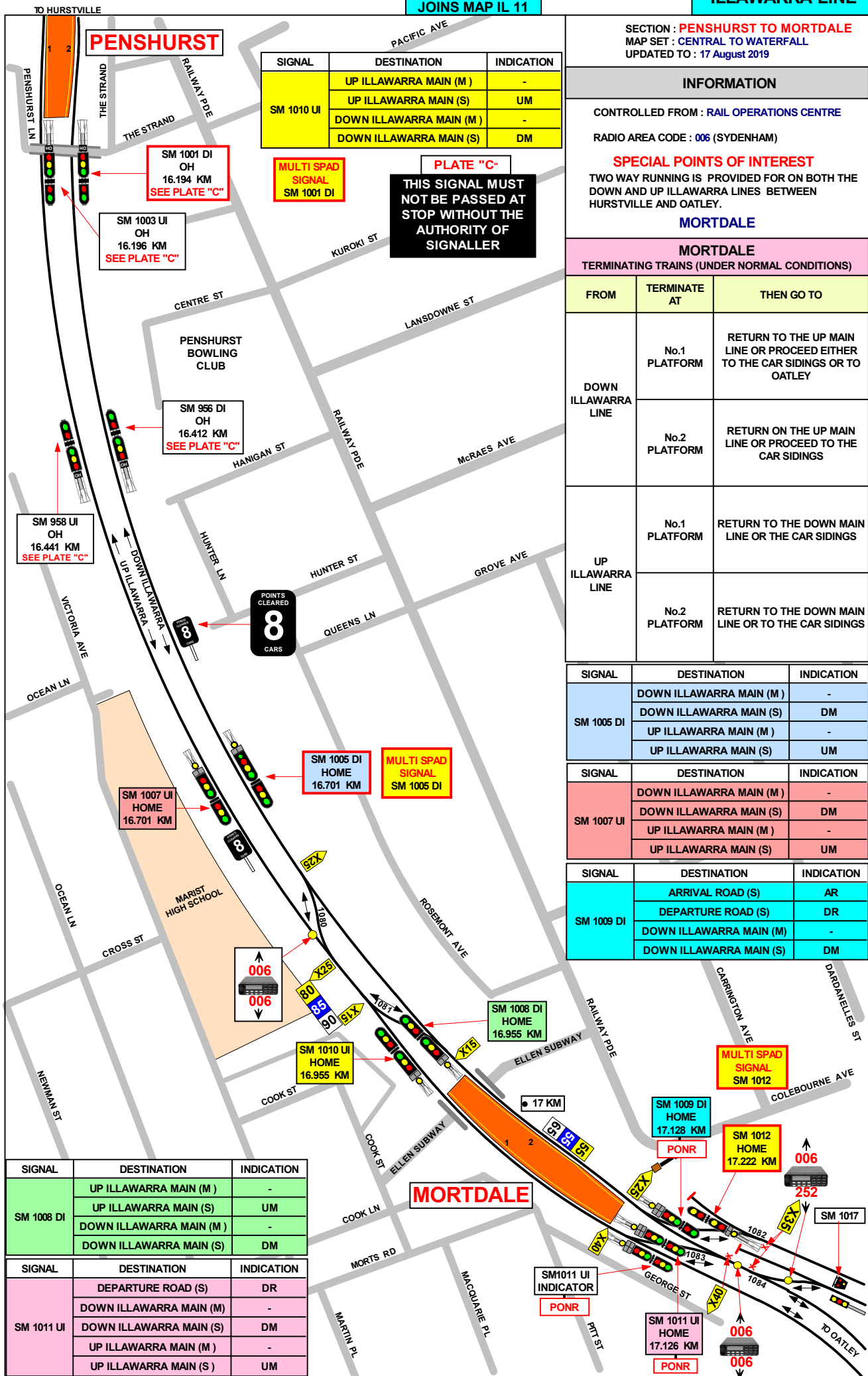
**MULTI SPAD
SIGNAL
SM 1001 DI**

SM 1001 DI
OH
16.194 KM
SEE PLATE "C"

SM 1003 UI
OH
16.196 KM
SEE PLATE "C"

TO MORTDALE

JOINS MAP IL 11





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 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 1044	UP ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM
	DOWN ILLAWARRA MAIN (S)	DM
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 1009 DI	ARRIVAL ROAD (S)	AR
	DEPARTURE ROAD (S)	DR
	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM
SIGNAL	DESTINATION	INDICATION
SM 1012	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM
	SHUNTING NECK (S)	SN
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

SECTION : **MORTDALE TO OATLEY**
MAP SET : **BONDI TO WATERFALL**
PAGE : 2 OF 2
UPDATED TO : 17 August 2019

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

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

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.

MORTDALE

MORTDALE TERMINATING TRAINS (UNDER NORMAL CONDITIONS)		
FROM	TERMINATE AT	THEN GO TO
DOWN ILLAWARRA LINE	No. 1 PLATFORM	RETURN TO THE UP MAIN LINE OR PROCEED EITHER TO THE CAR SIDINGS OR TO OATLEY
	No. 2 PLATFORM	RETURN ON THE UP MAIN LINE OR PROCEED TO THE CAR SIDINGS
UP ILLAWARRA LINE	No. 1 PLATFORM	RETURN TO THE DOWN MAIN LINE OR THE CAR SIDINGS
	No. 2 PLATFORM	RETURN TO THE DOWN MAIN LINE OR TO THE CAR SIDINGS

PONR

POINTS OF NO RETURN

SIGNAL No.	LOCATION	DESTINATIONS
SM 1009 DI	COUNTRY END OF MORTDALE PLATFORM No. 2	MORTDALE MAINTENANCE CENTRE
SM 1011 UI	COUNTRY END OF MORTDALE PLATFORM No. 1	MORTDALE MAINTENANCE CENTRE

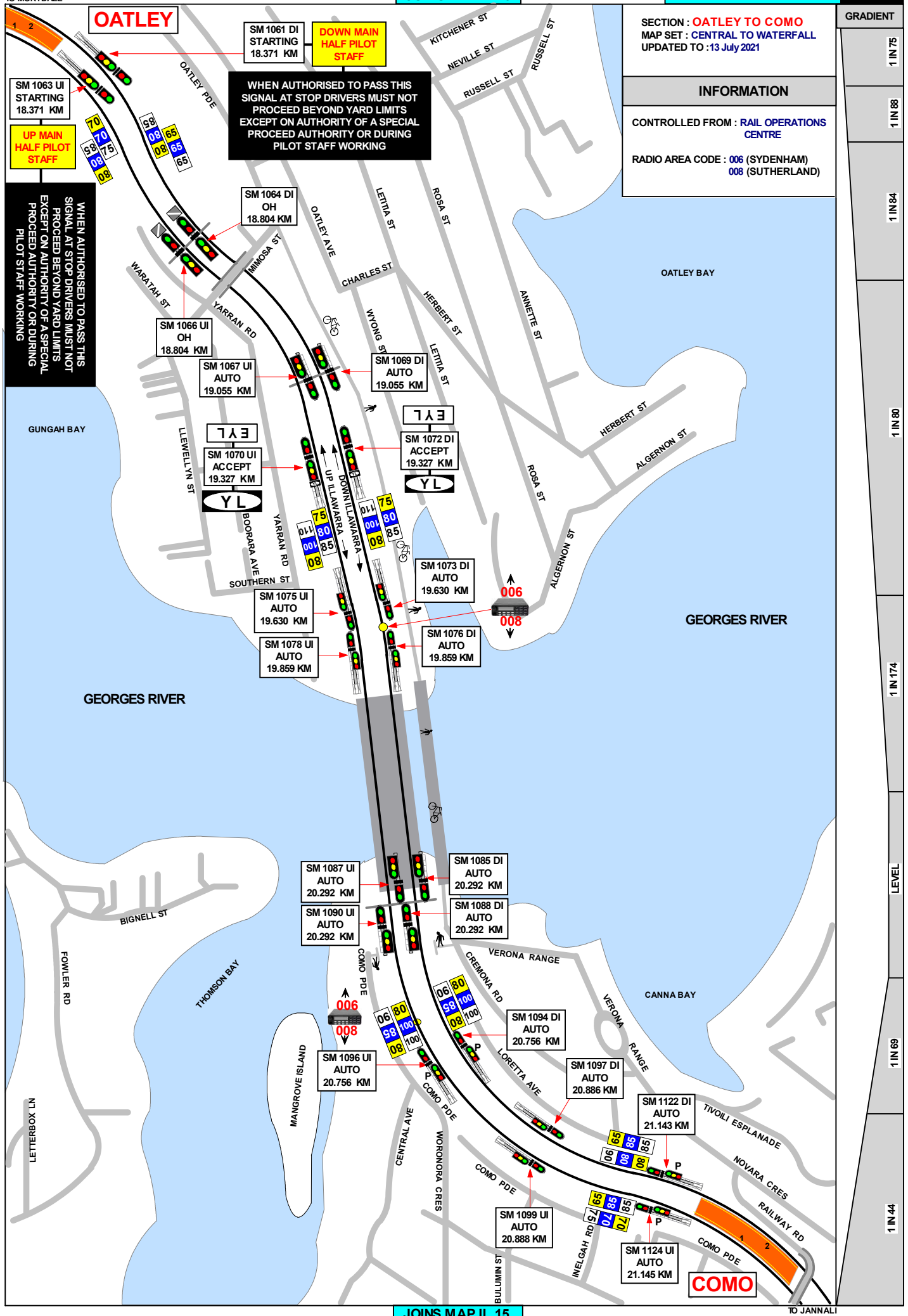
OATLEY

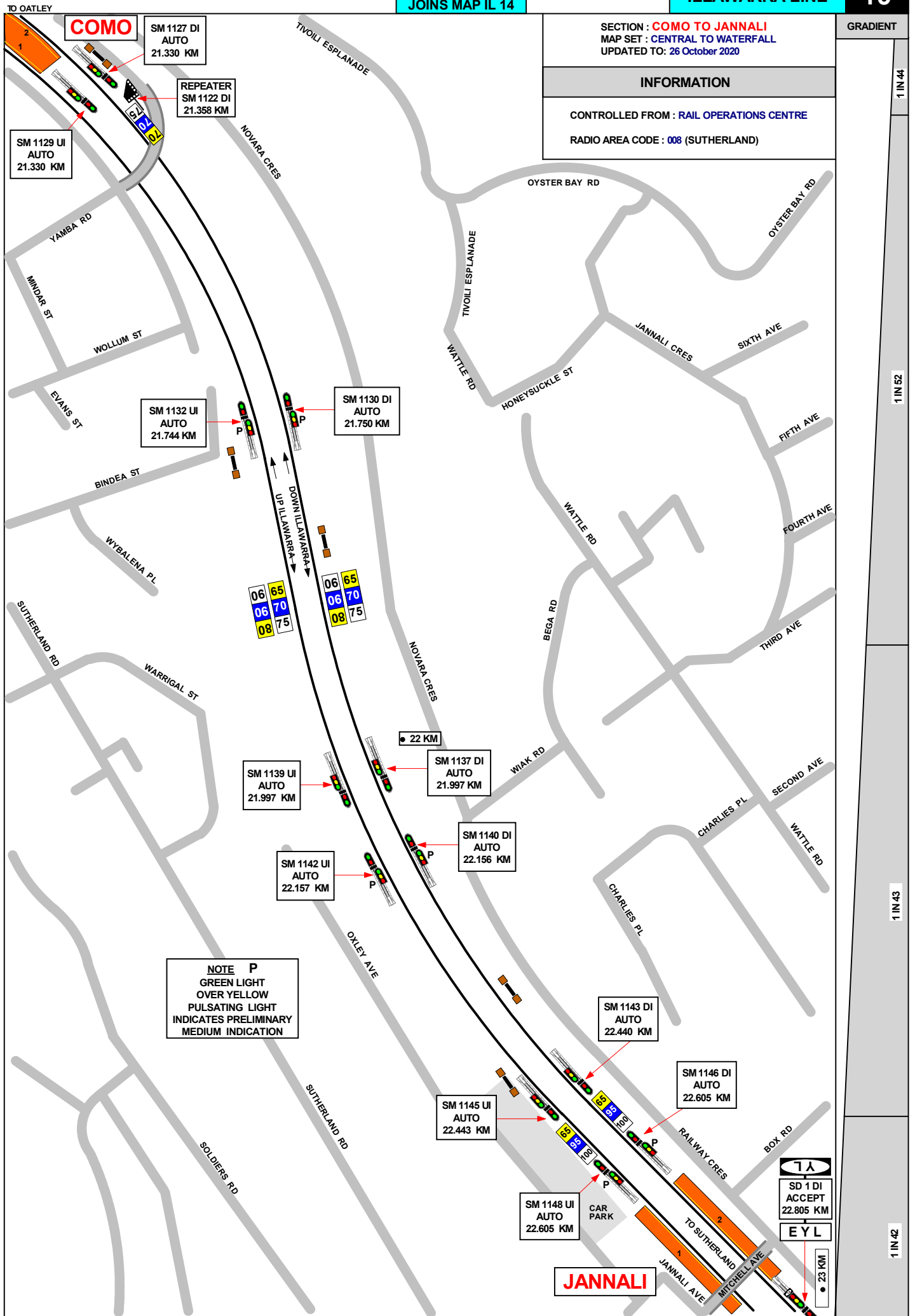
OATLEY TERMINATING TRAINS (UNDER NORMAL CONDITIONS)		
FROM	TERMINATE AT	THEN GO TO
DOWN ILLAWARRA LINE	No.1 PLATFORM	RETURN ON THE UP MAIN OR THE DOWN MAIN LINE
	No.2 PLATFORM	RETURN ON THE UP OR THE DOWN MAIN LINE TO MORTDALE

PONR

POINTS OF NO RETURN

SIGNAL No.	LOCATION	DESTINATIONS
SM 1057 UI	APPROXIMATELY 170 METRES SYDNEY SIDE OF OATLEY PLATFORM	DOWN ILLAWARRA





JOINS MAP IL 15

SECTION : **SUTHERLAND TO LOFTUS**
MAP SET : **CENTRAL TO WATERFALL**
UPDATED TO : 8 January 2024

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**RADIO AREA CODE : **008 (SUTHERLAND)****SPECIAL POINTS OF INTEREST****SUTHERLAND**

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

**WHEN ILLUMINATED
TURNING OUT
THROUGH 150 POINTS**

**WHEN ILLUMINATED
TURNING OUT
THROUGH 152 POINTS**

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

**UP MAIN
HALF PILOT
STAFF**

**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**

**DOWN MAIN
HALF PILOT
STAFF**

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

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

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

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

JOINS MAP IL 17

SUTHERLAND

1 IN 42

1 IN 40

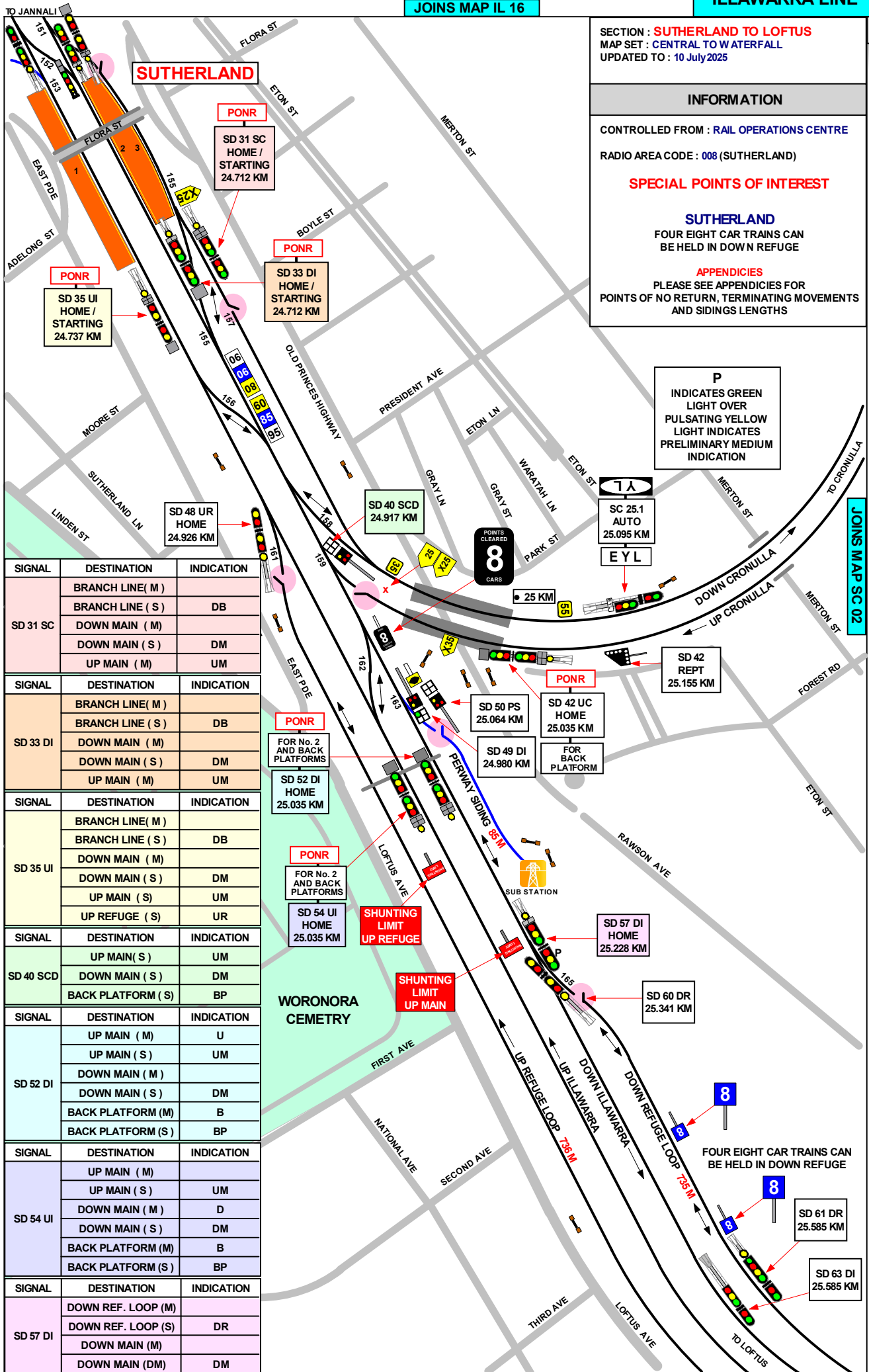
1 IN 43

1 IN 44

1 IN 42

1 IN 44

1 IN 660



1 IN 660

1 IN 330

SECTION : SUTHERLAND TO LOFTUS

MAP SET : CENTRAL TO WATERFALL

UPDATED TO : 10 July 2025

GRADIENT

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 008 (SUTHERLAND)

SPECIAL POINTS OF INTEREST

SUTHERLAND

FOUR EIGHT CAR TRAINS CAN
BE HELD IN DOWN REFUGE

APPENDICES

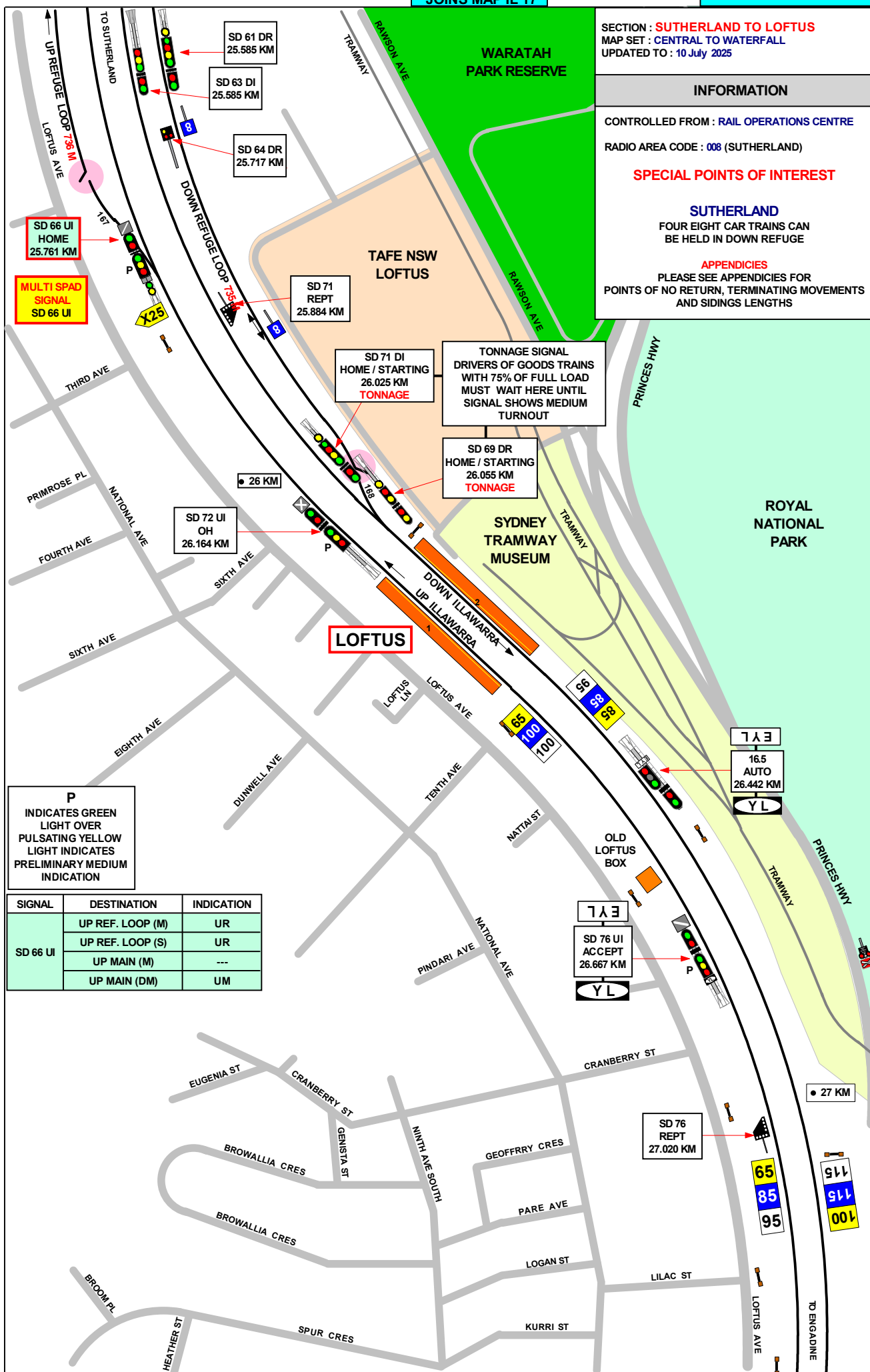
PLEASE SEE APPENDICES FOR
POINTS OF NO RETURN, TERMINATING MOVEMENTS
AND SIDINGS LENGTHS

LEVEL

1 IN 148

1 IN 40

1 IN 103



GRADIENT

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 008 (SUTHERLAND)

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

ROYAL
NATIONAL
PARK

WARNING

**WAYSIDE DETECTION
SYSTEM**

ENGADINE 29.482 kms

**NO TRACK WORK IN
AREA**

**WITHOUT APPROVAL FROM
RAIN MONITORING SYSTEM
UNIT**

PHONE (02) 9739 4000

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

ENGADINE

AUTO
30.873 KM

19.2
AUTO
30.890 KM

008
009

JOINS MAP IL 20

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 : 15 July 2024

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

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

GRADIENT

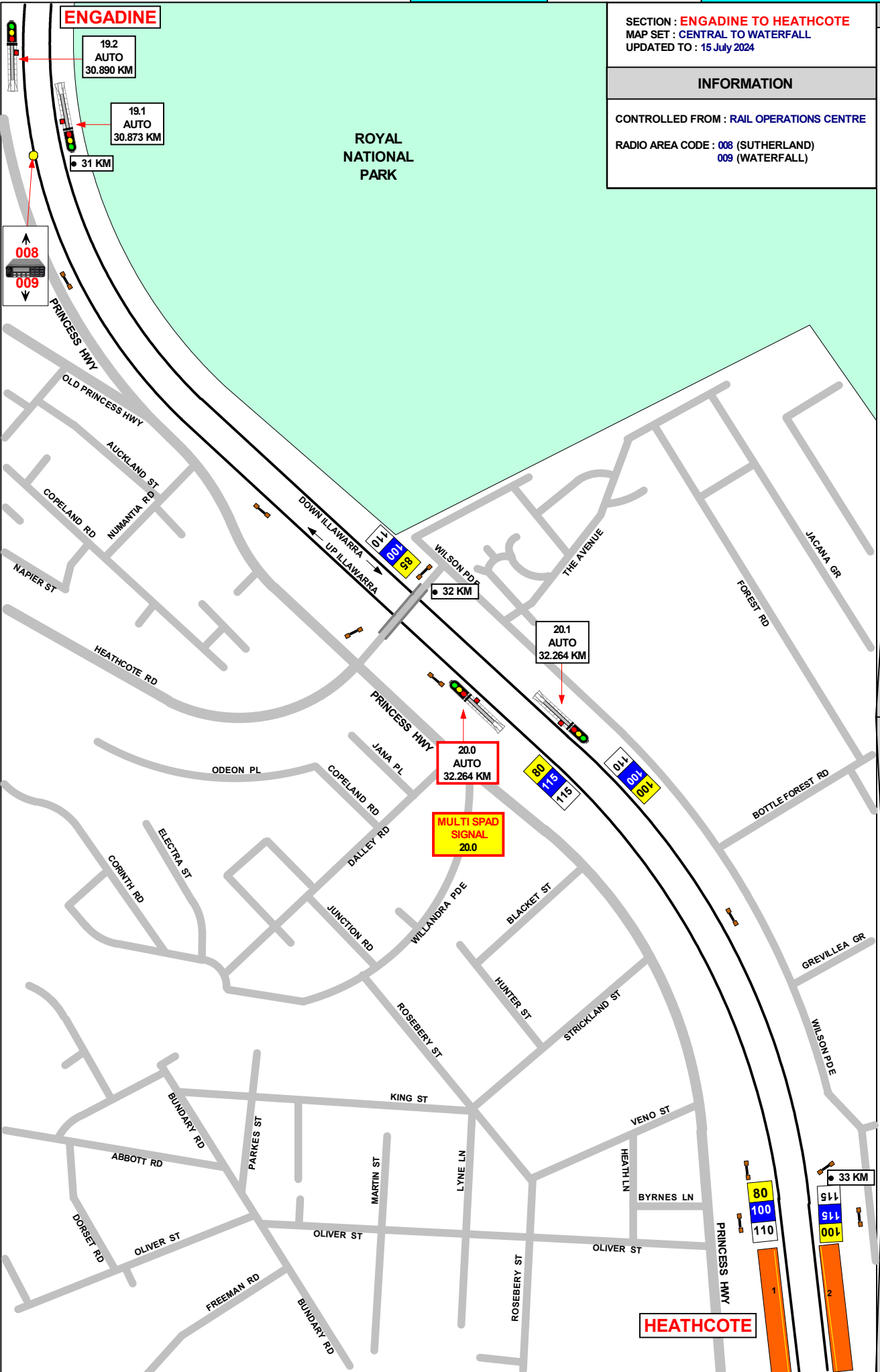
1 IN 227

1 IN 88

1 IN 132

1 IN 240

1 IN 480



SECTION : **HEATHCOTE TO WATERFALL**
 MAP SET : **CENTRAL TO WATERFALL**
 UPDATED TO : 15 July 2024

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**
 RADIO AREA CODE : **009** (WATERFALL)

GRADIENT

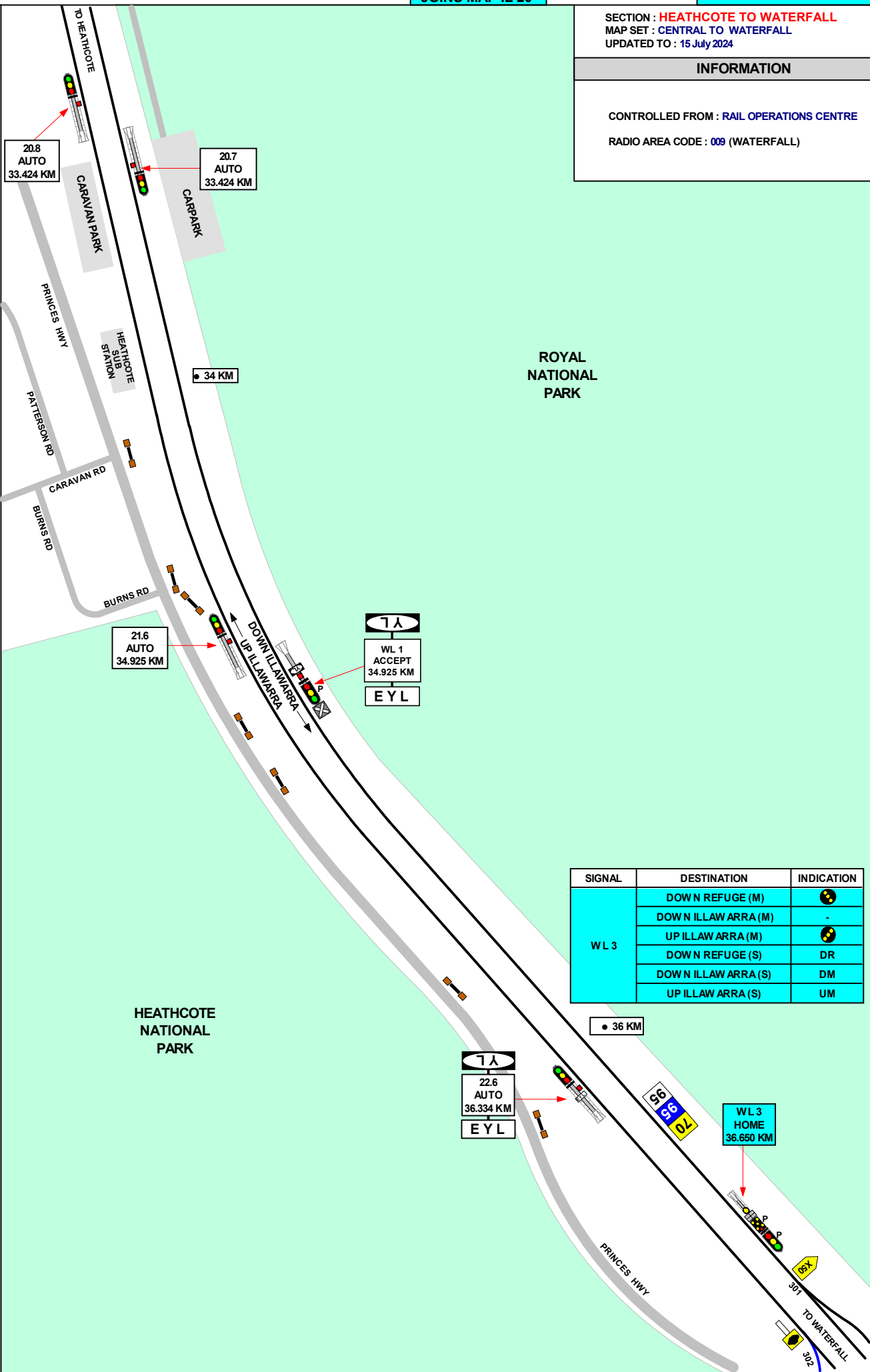
1 IN 480

1 IN 100

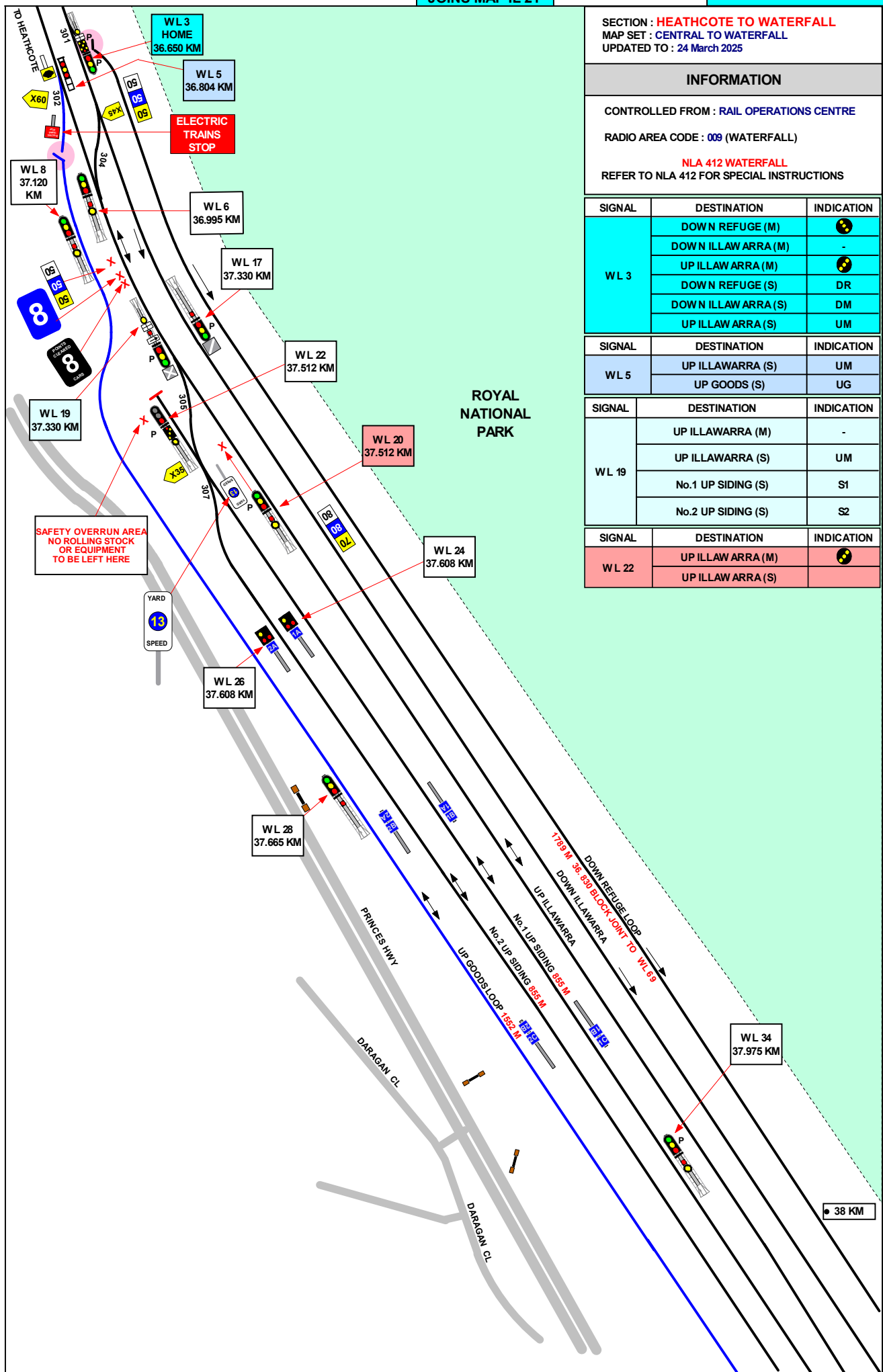
1 IN 76

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 NOWRA**
 PAGE : 1 OF 2
 UPDATED TO : 3 April 2025

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 009

METHOD OF WORKING : RAIL VEHICLE DETECTION
SYSTEM

SPECIAL POINTS OF INTEREST
WATERFALL

NLA 412 WATERFALL
 REFER TO NLA 412 FOR SPECIAL INSTRUCTIONS

GRADIENT

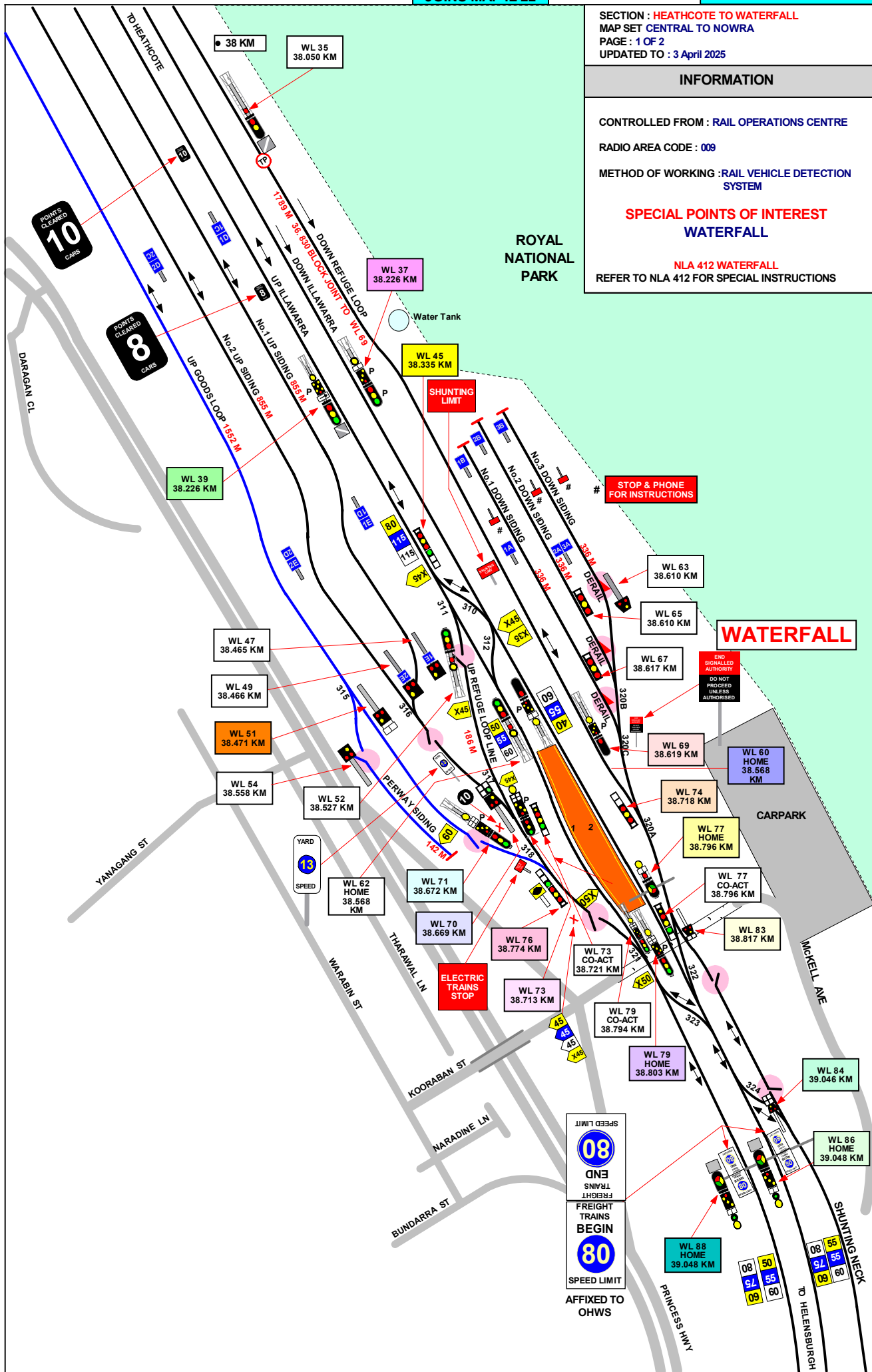
1 IN 220

1 IN 120

1 IN 187

1 IN 165

1 IN 88



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

PAGE : 2 OF 2

UPDATED TO : 03 April 2025

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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