

# 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 2024

**Version:** 5.64

### Explanatory Notes:

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

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

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

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

SECTION : CENTRAL TO REDFERN  
MAP SET : CENTRAL TO NOWRA  
PAGE : 1 OF 4  
UPDATED TO : 29 May 2024

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

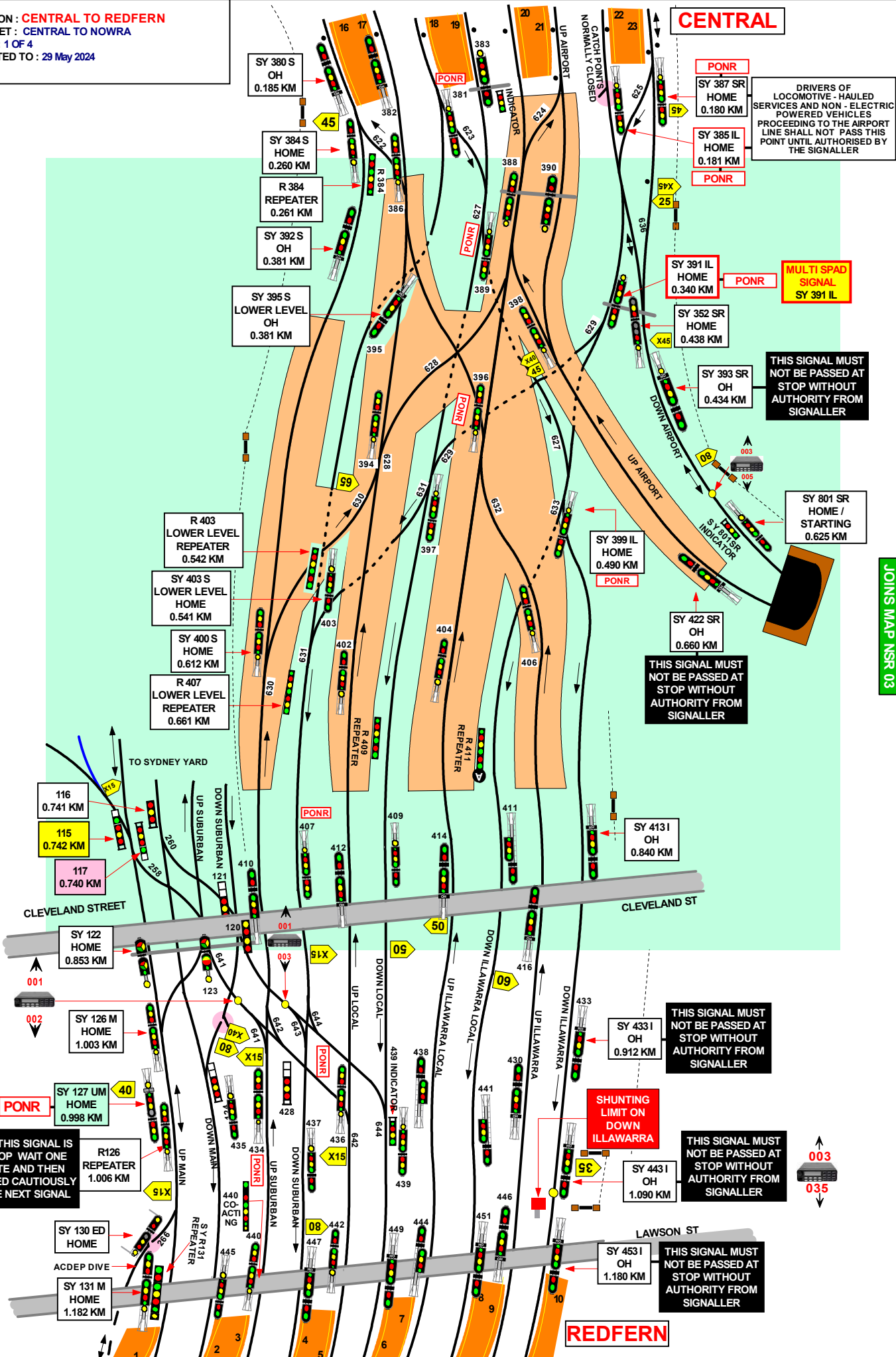
THIS SIGNAL MUST NOT BE PASSED AT STOP WITHOUT AUTHORITY FROM SIGNALLER

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

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

REDFERN

JOINS MAP NSR 03



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

**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 : 21 June 2023

**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.?? 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 SUBURBAN (S)	DS

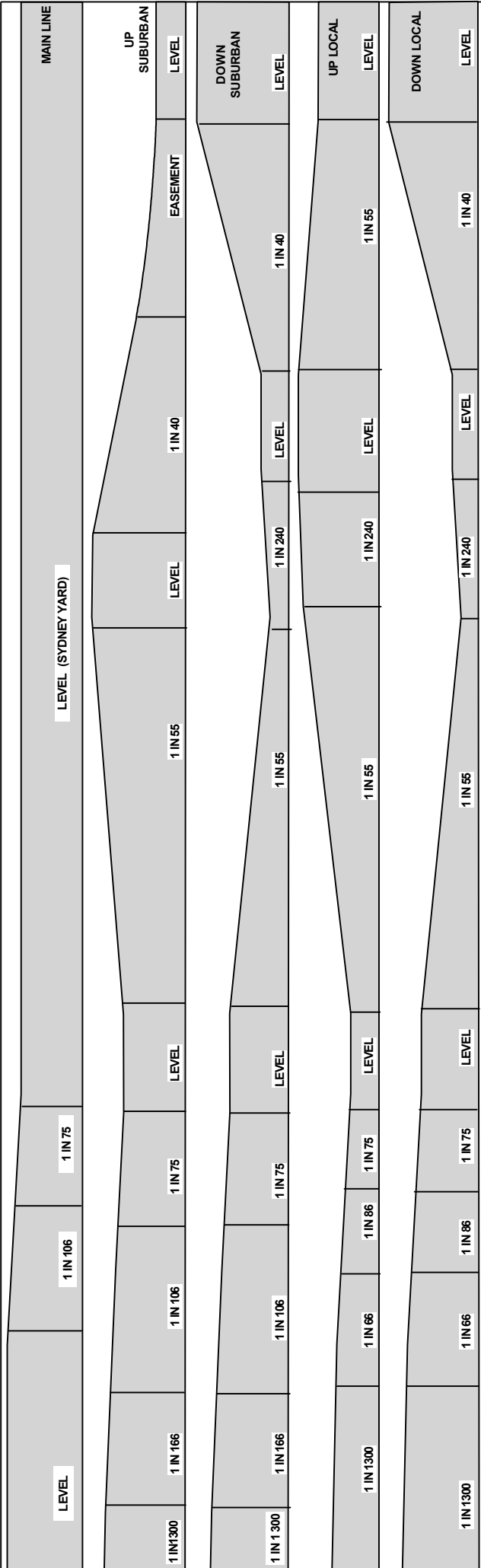
SIGNAL	DESTINATION	INDICATION
SY 115	UP GOODS	G
	UP MAIN	M
	REGENTS STREET	R

SIGNAL	DESTINATION	INDICATION
SY 121	DOWN MAIN (S)	DM
	DOWN SUBURBAN (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 <b>SY 140</b> AND RETURN TO UP ILLAWARRA LOCAL VIA 653 CROSSOVER OR RUN INTO EVELEIGH PRESENTATION CENTRE.
	No. 2 PLATFORM	SHUNT FORWARD CLEAR OF SIGNAL <b>SY 448</b> 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 <b>SY 366</b> OR <b>SY 364</b> 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 <b>SY 369 CI</b> 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.

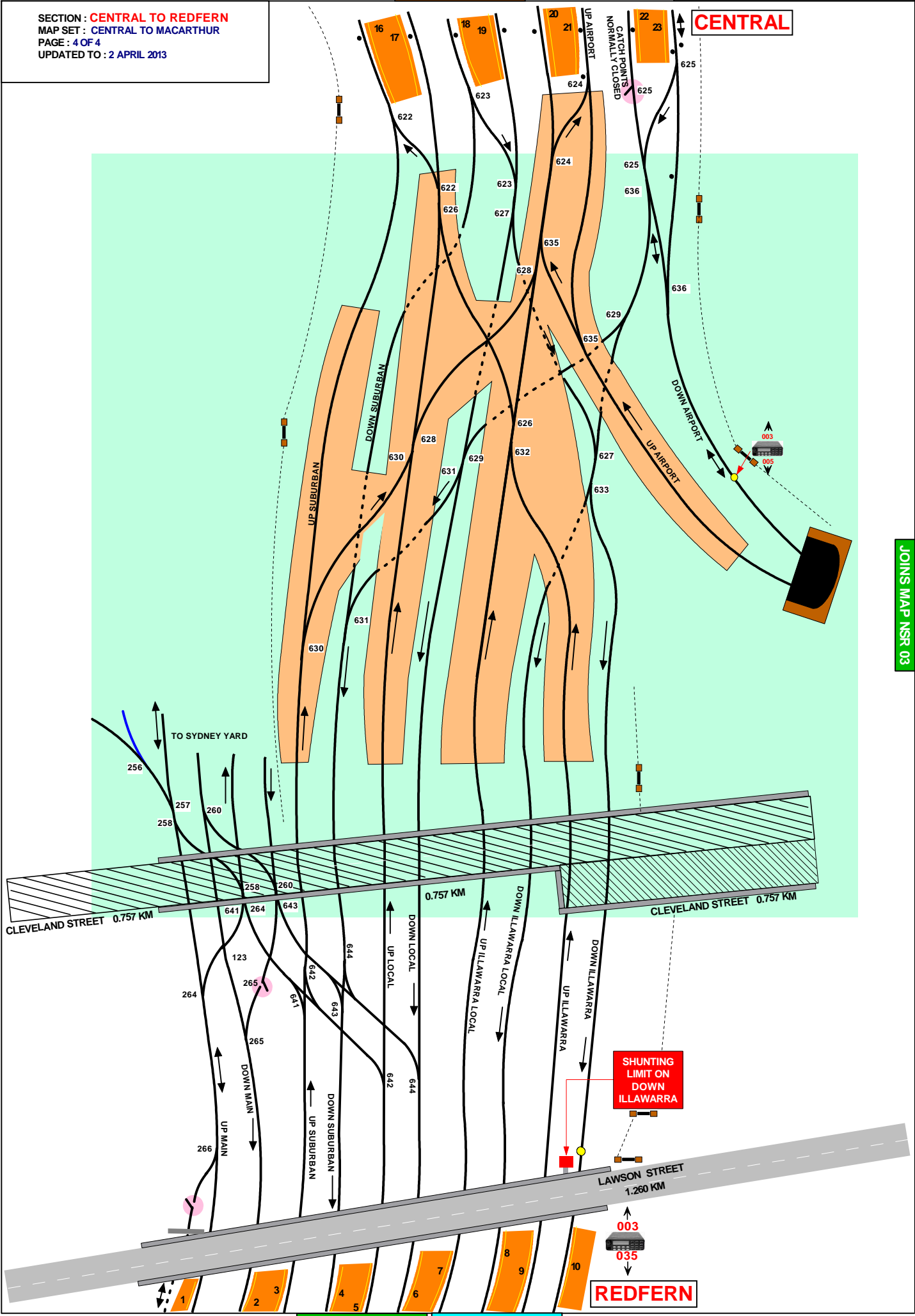
THEY ARE LOCATED AS FOLLOWS:

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 : 2 APRIL 2013

**CENTRAL**



JOINS MAP NSR 03

**REDFERN**

SECTION : REDFERN TO ERSKINEVILLE  
 REDFERN TO MACDONALDTOWN  
 MAP SET : CENTRAL TO WATERFALL  
 PAGE : 1 OF 4  
 UPDATED TO : 29 May 2024

MULTI SPAD SIGNAL  
 SY 481 M

MULTI SPAD SIGNAL  
 SY 516 L

MULTI SPAD SIGNAL  
 SY 537 I

MULTI SPAD SIGNAL  
 SY 502

REDFERN

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

7AE	7AE	7AE	7AE	7AE	7AE	7AE	7AE
S 1.49 AUTO 2.385 KM	L 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  
 TRAINS EX  
 MAC TOWN  
 YARD

W  
 SIGN TO TEST  
 WHISTLE X  
 MAC TOWN  
 YARD

POINTS  
 CLEARED  
 8  
 CARS

UP ILLAWARRA DIVE  
 DOWN ILLAWARRA DIVE

1 IN 1300

LEVEL

1 IN 75

E

1 IN 75

LEVEL

GRADIENT FOR SOUTHERN LINES

1 IN 1300

E

1 IN 143

1 IN 85

1 IN 60

E

1 IN 132

1 IN 106

1 IN 69

E

1 IN 200

E

1 IN 106

E

1 IN 314

L

1 IN 2000

E

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

JOINS MAP  
 YARDS 14

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

**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 : 23 May 2023

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	SY 518 M 2.600 KM	SY 520 S 2.600 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

**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 MACDONAL TOWN 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



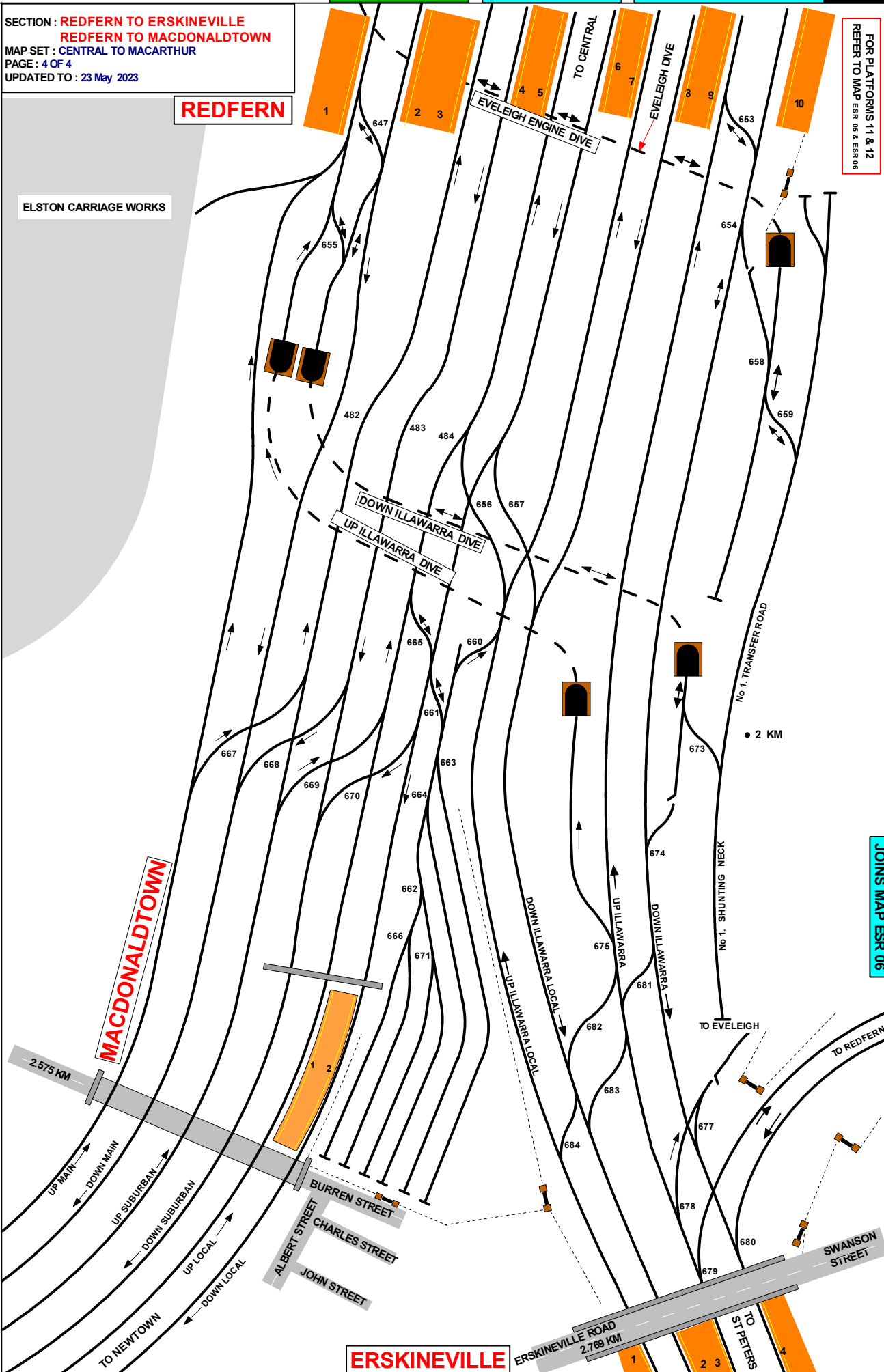
SECTION : REDFERN TO ERSKINEVILLE  
REDFERN TO MACDONALDTOWN  
MAP SET : CENTRAL TO MACARTHUR  
PAGE : 4 OF 4  
UPDATED TO : 23 May 2023

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

REDFERN

ELSTON CARRIAGE WORKS

1 IN 2000	L	1 IN 314	E	1 IN 106	E	1 IN 200	E	1 IN 69	1 IN 106	1 IN 132	E	1 IN 60	1 IN 95	1 IN 143	E	1 IN 1300	
1 IN 1300	LEVEL		1 IN 75	LEVEL		GRADIENT FOR ILLAWARRA LINES										GRADIENT FOR SOUTHERN LINES	



MACDONALDTOWN

ERSKINEVILLE

JOINS MAP ESR 06

JOINS MAP IL 02

JOINS MAP ESR 06

SECTION : **ERSKINEVILLE TO ST PETERS**  
 MAP SET : CENTRAL TO WATERFALL  
 UPDATED TO : 23 May 2023

GRADIENT

**INFORMATION**

CONTROLLED FROM : RAIL OPERATIONS CENTRE  
 RADIO AREA CODE : 004, 007 (SYDENHAM)

**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 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.

**PONR POINTS OF NO RETURN**

SIGNAL No.	LOCATION	DESTINATION
SY 544 I	CITY END ERSKINEVILLE PLATFORM	ESR OR EVELEIGH PRESENTATION CENTRE

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

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

SIGNAL	DESTINATION	IND.
SY 542	-	-
	EVELEIGH YARD (B)	Y

SIGNAL	DESTINATION	IND.
SY 544 I	UP ILLAWARRA (M)	-
	-	-
	UP ILLAWARRA RELIEF (M)	-
	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)	-

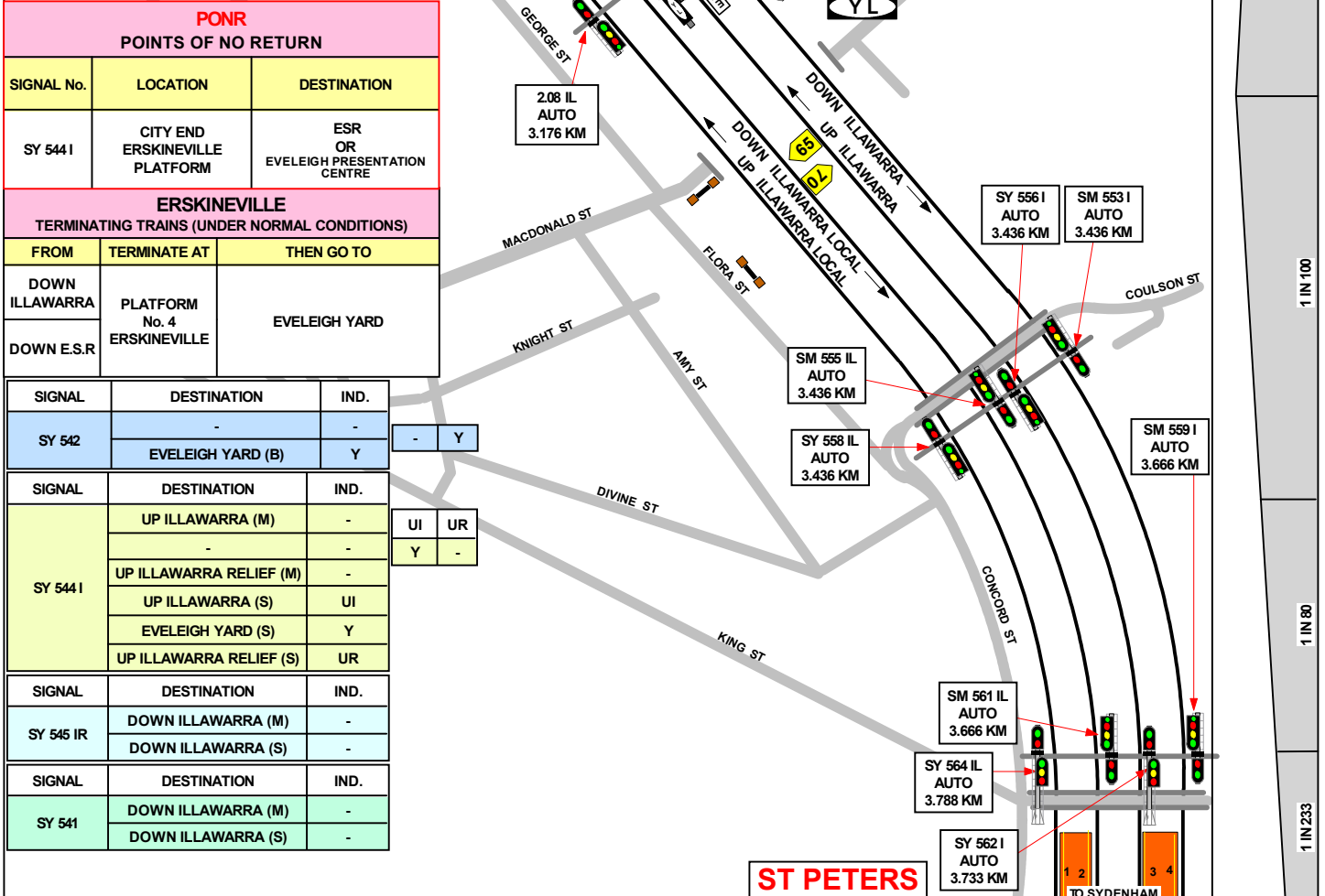
SIGNAL	DESTINATION	IND.
SY 541	DOWN ILLAWARRA (M)	-
	DOWN ILLAWARRA (S)	-

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

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

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

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



SECTION : **ST PETERS TO SYDENHAM**  
 MAP SET : CENTRAL TO WATERFALL  
 UPDATED TO : 29 May 2024

GRADIENT

**INFORMATION**

CONTROLLED FROM : RAIL OPERATIONS CENTRE  
 RADIO AREA CODE : 007 (SYDENHAM)  
 005 (SYDENHAM)  
 004 (SYDENHAM)

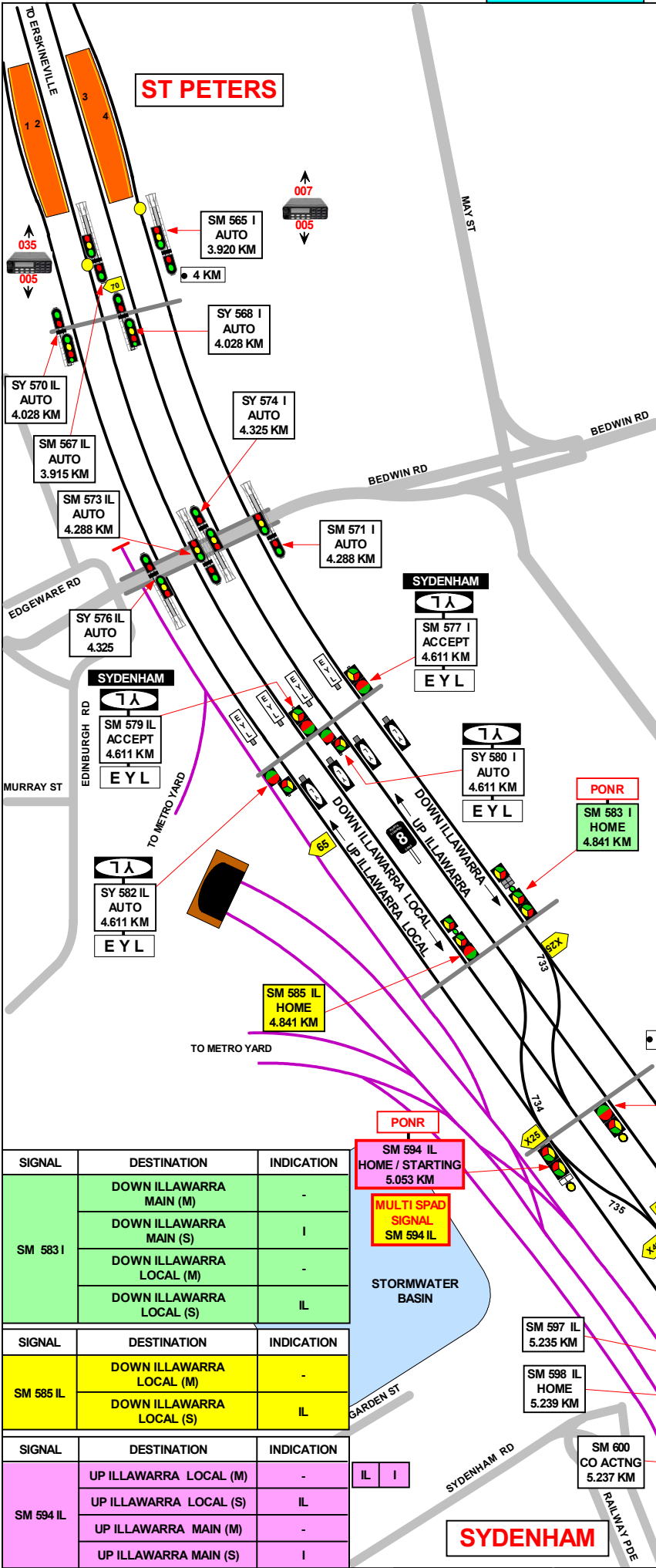
**SPECIAL POINTS OF INTEREST**  
**ST PETERS**

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

— METRO TRAINS SYDNEY NETWORK

**PONR**  
**POINTS OF NO RETURN**

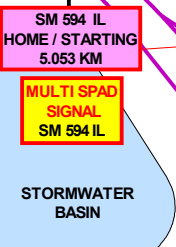
SIGNAL No.	LOCATION	DESTINATION
SM 583 I	DOWN ILLAWARRA APPROXIMATELY 400 METRES SYDNEY SIDE OF No. 6 PLATFORM SYDENHAM	BANKSTOWN LINE OR XPT SERVICE CENTRE
SM 594 IL	UP ILLAWARRA LOCAL APPROXIMATELY 200 METRES SYDNEY SIDE OF No. 3 PLATFORM SYDENHAM	ESR



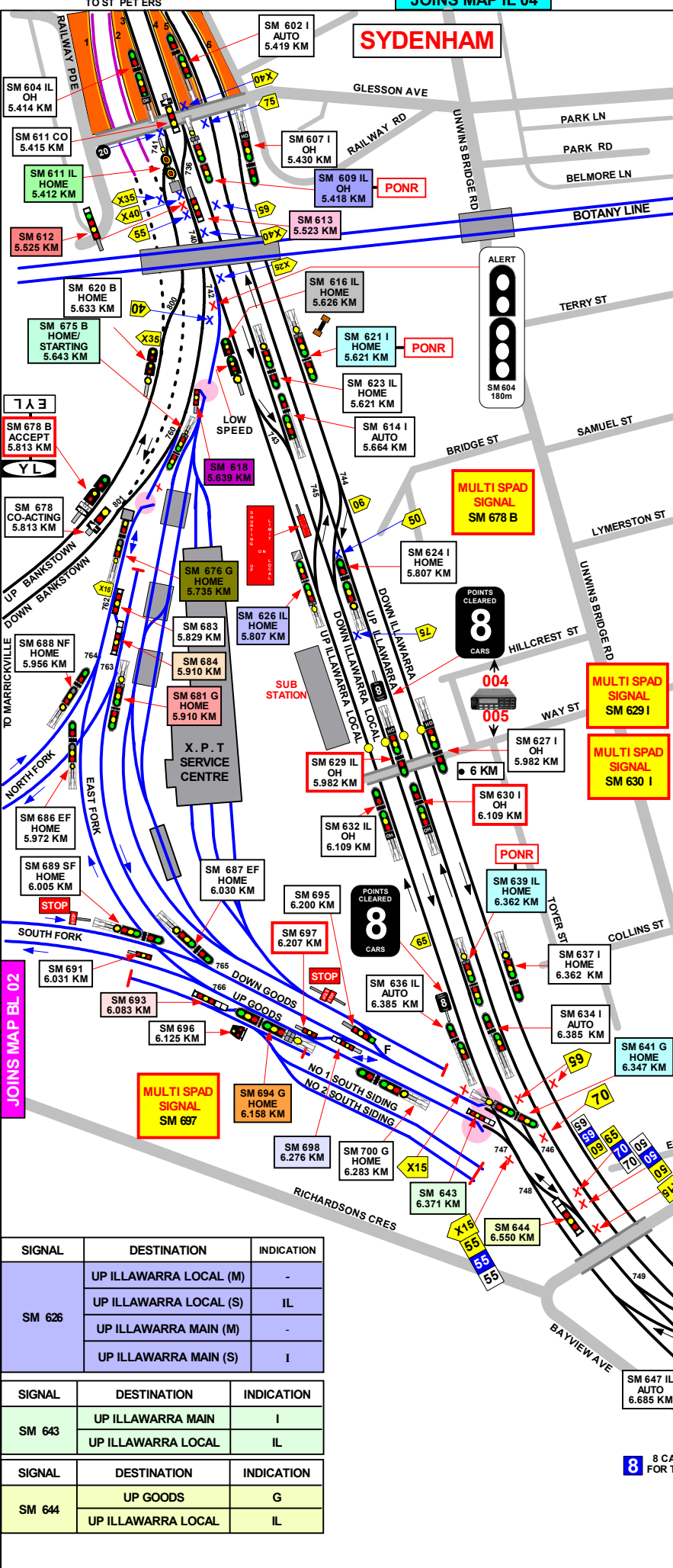
SIGNAL	DESTINATION	INDICATION
SM 583 I	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	I
	DOWN ILLAWARRA LOCAL (M)	-
	DOWN ILLAWARRA LOCAL (S)	IL

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



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



**SECTION : SYDENHAM TO TEMPE**  
**MAP SET : CENTRAL TO WATERFALL**  
**PAGE: 1 OF 2**  
**UPDATED TO : 9 October 2023**

**INFORMATION**

CONTROLLED FROM : RAIL OPERATIONS CENTRE

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

**SPECIAL POINTS OF INTEREST**

METRO TRAINS SYDNEY NETWORK

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

SIGNAL	DESTINATION	INDICATION
SM 609	DOWN ILLAWARRA LOCAL (M)	
	DOWN ILLAWARRA LOCAL (S)	D
	UP ILLAWARRA LOCAL (S)	U
	DOWN BANKSTOWN (M)	

SIGNAL	DESTINATION	INDICATION	CO-ACT IND
SM 611	DOWN ILLAWARRA LOCAL (M)	L	L
	UP ILLAWARRA LOCAL (S)	-	-
	DOWN BANKSTOWN (M)	B	B

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 BANKSTOWN (S)	B

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

SIGNAL	DESTINATION	INDICATION
SM 626	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 609	DOWN ILLAWARRA LOCAL (M)	
	DOWN ILLAWARRA LOCAL (S)	D
	UP ILLAWARRA LOCAL (S)	U
	DOWN BANKSTOWN (M)	

SIGNAL	DESTINATION	INDICATION	CO-ACT IND
SM 611	DOWN ILLAWARRA LOCAL (M)	L	L
	UP ILLAWARRA LOCAL (S)	-	-
	DOWN BANKSTOWN (M)	B	B

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 BANKSTOWN (S)	B

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 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 618	UP ILLAWARRA LOCAL (S)	-

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 B	DOWN GOODS (M)	-
	DOWN GOODS (S)	G
	DOWN BANKSTOWN (M)	-
	DOWN BANKSTOWN (S)	B

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 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

SECTION : **SYDENHAM TO TEMPE**  
 MAP SET : **CENTRAL TO WATERFALL**  
 PAGE: 2 OF 2  
 UPDATED TO : 31 October 2023

**INFORMATION**

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

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

**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	<b>No.4 PLATFORM - RETURN TO UP ILLAWARRA LOCAL VIA 735PTS</b>	
DOWN TRAINS AT TEMPE	DOWN ILLAWARRA TRAINS MAY TERMINATE BEHIND SIGNAL <b>SM 644</b> 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

TO SYDENHAM

GRADIENT

PONR POINT OF NO RETURN		
SIGNAL	LOCATION	DESTINATION
SM 659 IL	APPROX. 336 METRES COUNTRY SIDE OF No. 2 PLATFORM TEMPE	EAST HILLS LINE
SM 670 IL	APPROX. 500 METRES SYDNEY SIDE OF No. 1 PLATFORM ARNCLIFFE	WOLLI CREEK STATION

SECTION : TEMPE TO ARNCLIFFE  
 MAP SET : CENTRAL TO WATERFALL  
 UPDATED TO : 29 August 2022

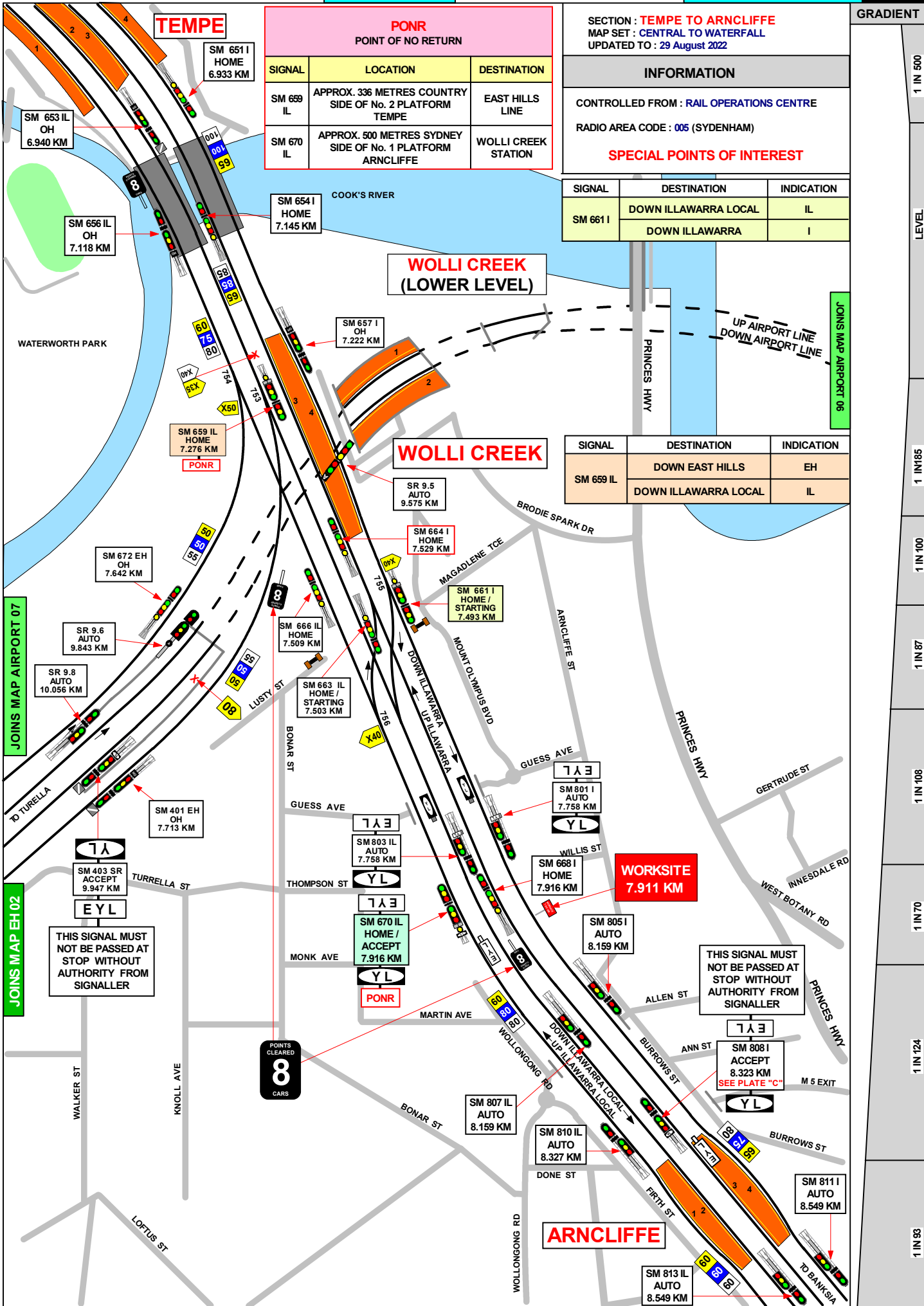
INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE  
 RADIO AREA CODE : 005 (SYDENHAM)

SPECIAL POINTS OF INTEREST

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

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



1 IN 500  
 1 IN 185  
 1 IN 100  
 1 IN 87  
 1 IN 108  
 1 IN 70  
 1 IN 124  
 1 IN 83

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

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

POINTS CLEARED  
 8  
 CARS

SECTION : ARNCLIFFE TO ROCKDALE  
MAP SET : CENTRAL TO WATERFALL  
UPDATED TO : 2 April 2020

GRADIENT

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

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

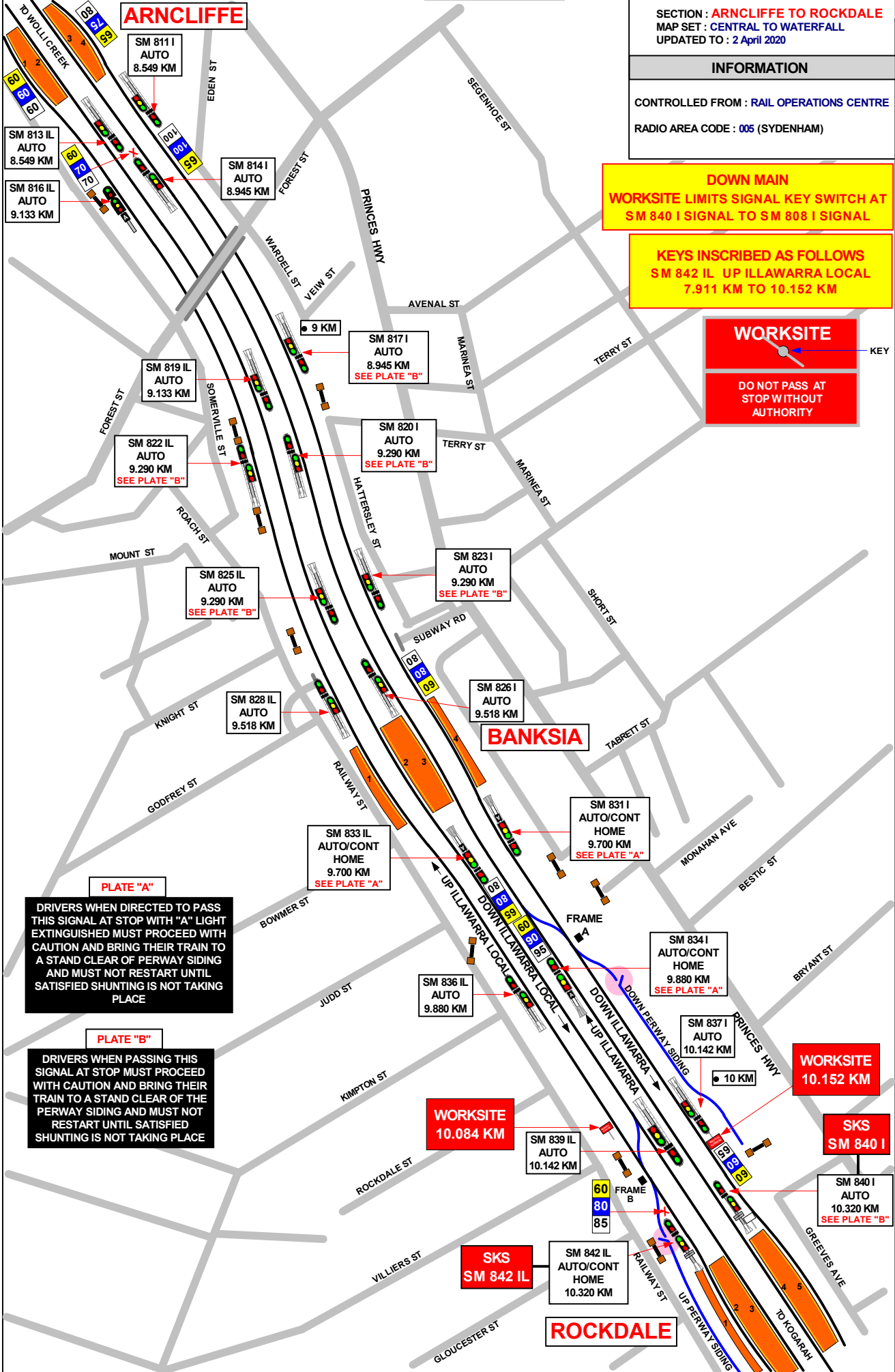
1 IN 368

1 IN 1100

**ARNCLIFFE**

**BANKSIA**

**ROCKDALE**



**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

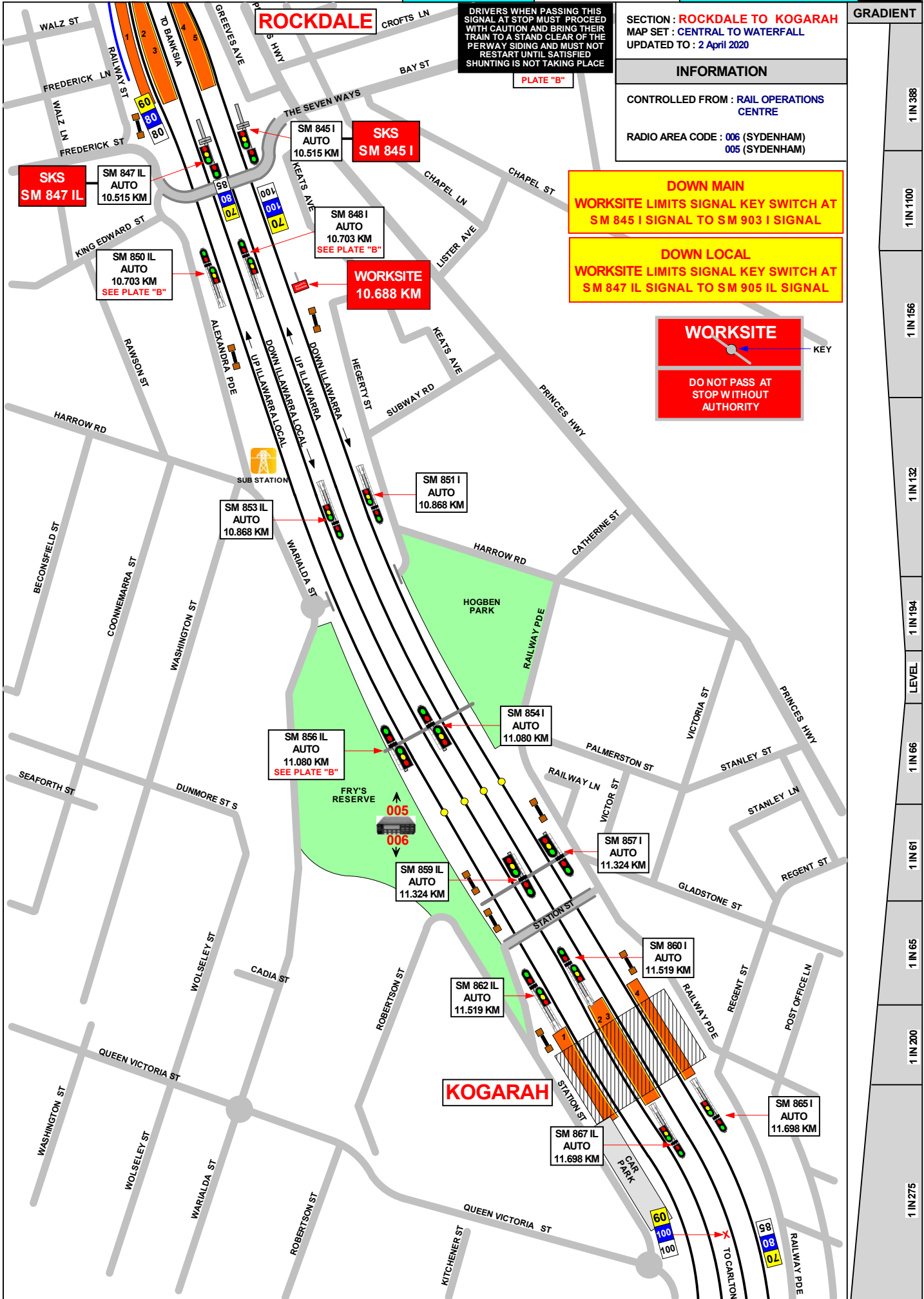
**PLATE "B"**  
DRIVERS WHEN PASSING THIS  
SIGNAL AT STOP MUST PROCEED  
WITH CAUTION AND BRING THEIR  
TRAIN TO A STAND CLEAR OF THE  
PERWAY SIDING AND MUST NOT  
RESTART UNTIL SATISFIED  
SHUNTING IS NOT TAKING PLACE

**WORKSITE**  
10.084 KM

**WORKSITE**  
10.152 KM

**SKS**  
SM 842 IL

**SKS**  
SM 840 I



**ROCKDALE**

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

SECTION : **ROCKDALE TO KOGARAH**  
 MAP SET : **CENTRAL TO WATERFALL**  
 UPDATED TO : **2 April 2020**

**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



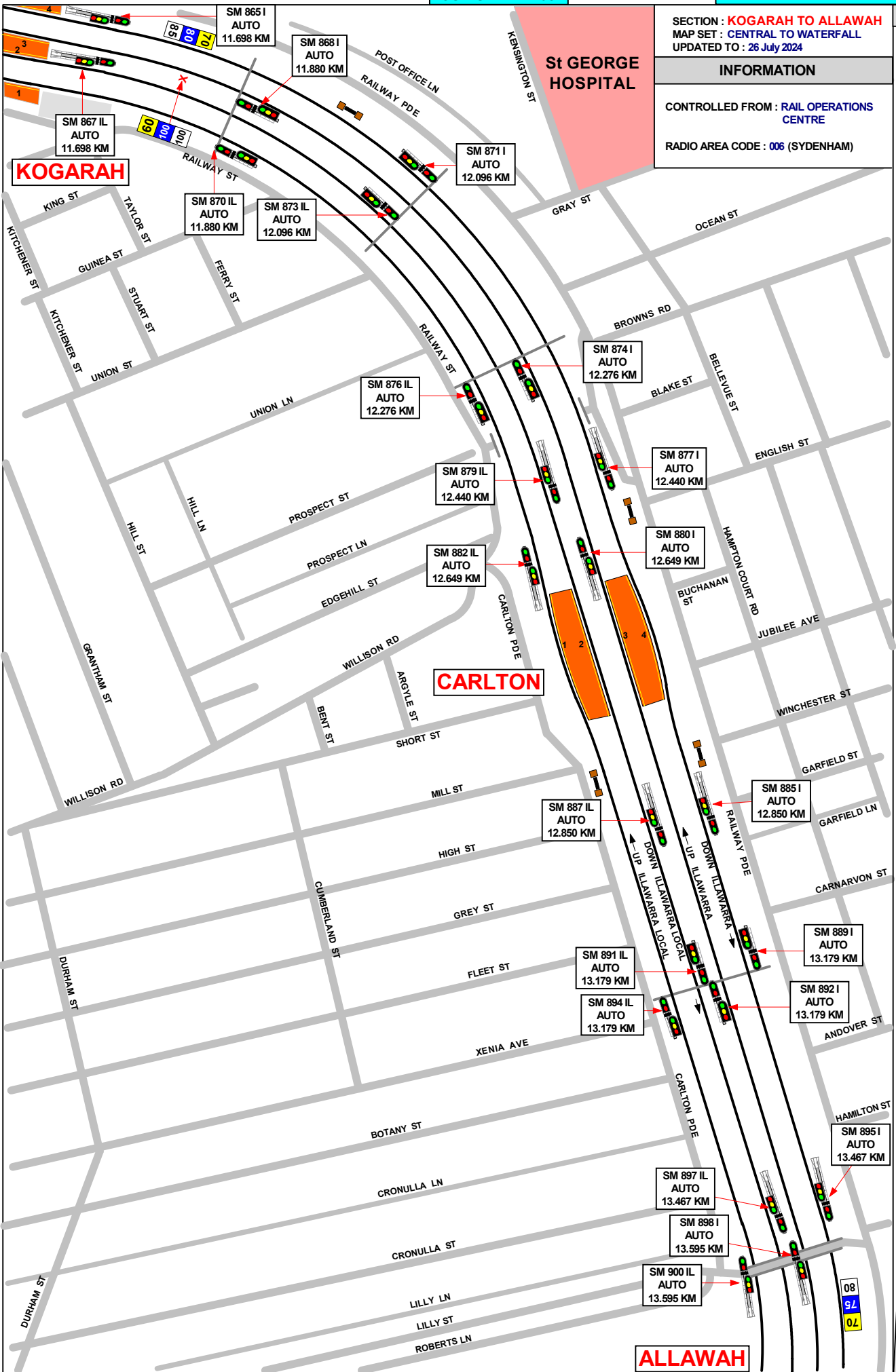
SECTION : KOGARAH TO ALLAWAH  
MAP SET : CENTRAL TO WATERFALL  
UPDATED TO : 26 July 2024

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 006 (SYDENHAM)

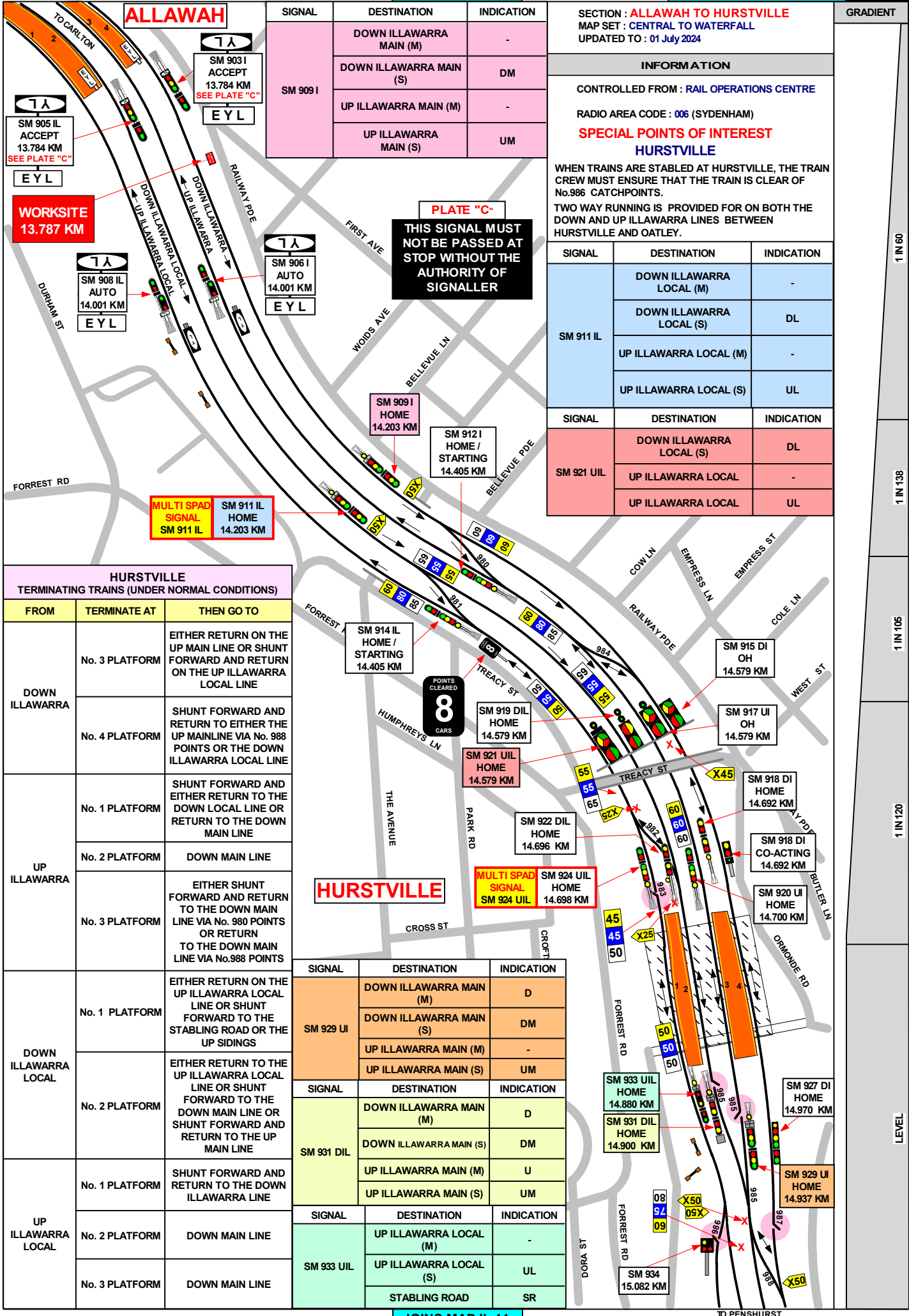
GRADIENT	
1 IN 275	
1 IN 73	
1 IN 67	
1 IN 79	
1 IN 50	
1 IN 73	
1 IN 69	
1 IN 60	
1 IN 60	
1 IN 57	
1 IN 60	



**KOGARAH**

**CARLTON**

**ALLAWAH**



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

SECTION : ALLAWAH TO HURSTVILLE  
 MAP SET : CENTRAL TO WATERFALL  
 UPDATED TO : 01 July 2024

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 006 (SYDENHAM)

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 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

HURSTVILLE  
 TERMINATING TRAINS (UNDER NORMAL CONDITIONS)

FROM	TERMINATE AT	THEN GO TO
DOWN ILLAWARRA	No. 3 PLATFORM	EITHER RETURN ON THE UP MAIN LINE OR SHUNT FORWARD AND RETURN ON THE UP ILLAWARRA LOCAL LINE
	No. 4 PLATFORM	SHUNT FORWARD AND RETURN TO EITHER THE UP MAINLINE VIA No. 988 POINTS OR THE DOWN ILLAWARRA LOCAL LINE
UP ILLAWARRA	No. 1 PLATFORM	SHUNT FORWARD AND EITHER RETURN TO THE DOWN LOCAL LINE OR RETURN TO THE DOWN MAIN LINE
	No. 2 PLATFORM	DOWN MAIN LINE
	No. 3 PLATFORM	EITHER SHUNT FORWARD AND RETURN TO THE DOWN MAIN LINE VIA No. 980 POINTS OR RETURN TO THE DOWN MAIN LINE VIA No.988 POINTS
DOWN ILLAWARRA LOCAL	No. 1 PLATFORM	EITHER RETURN ON THE UP ILLAWARRA LOCAL LINE OR SHUNT FORWARD TO THE STABLING ROAD OR THE UP SIDINGS
	No. 2 PLATFORM	EITHER RETURN TO THE UP ILLAWARRA LOCAL LINE OR SHUNT FORWARD TO THE DOWN MAIN LINE OR SHUNT FORWARD AND RETURN TO THE UP MAIN LINE
UP ILLAWARRA LOCAL	No. 1 PLATFORM	SHUNT FORWARD AND RETURN TO THE DOWN ILLAWARRA LINE
	No. 2 PLATFORM	DOWN MAIN LINE
	No. 3 PLATFORM	DOWN MAIN LINE

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)	UP ILLAWARRA MAIN (S)	UM

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

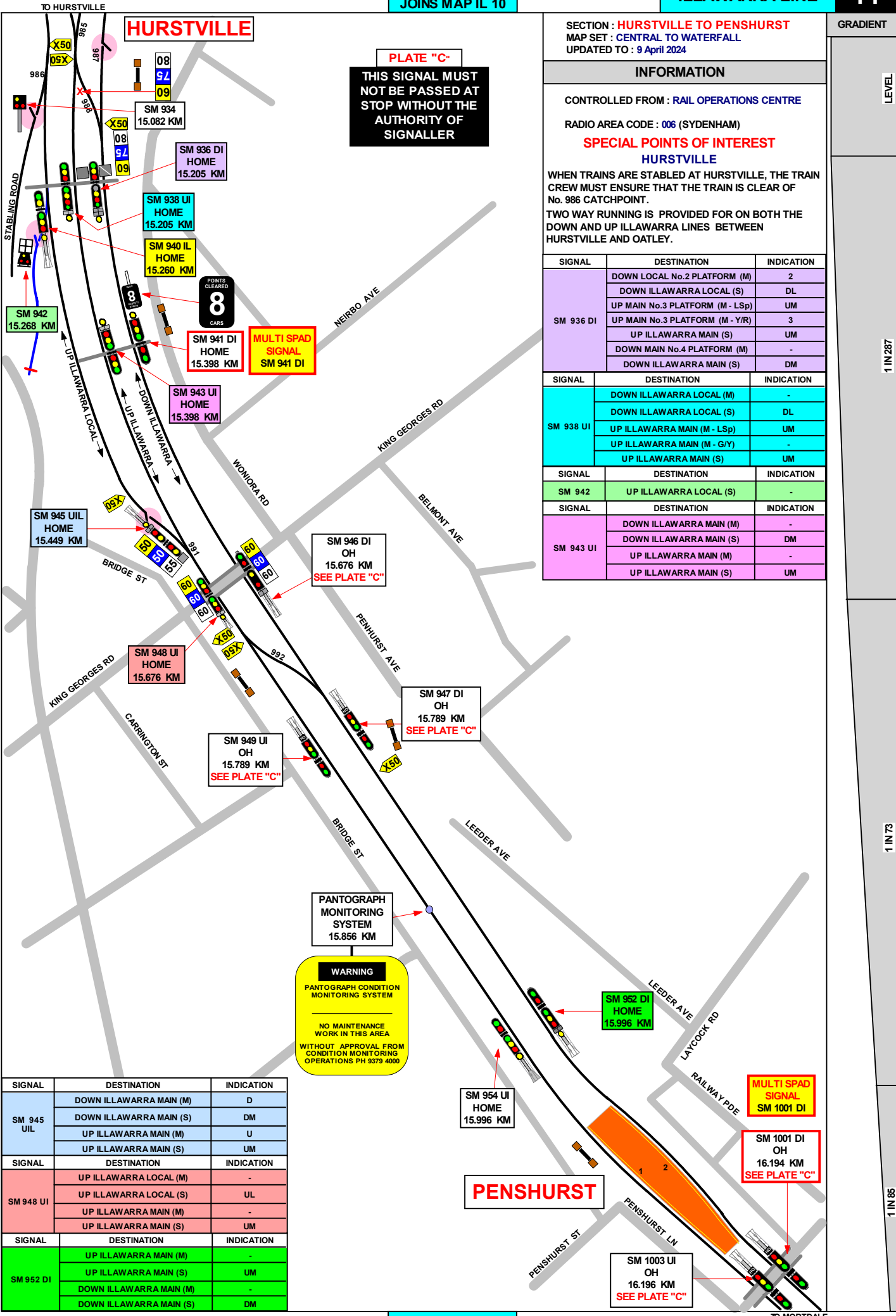
1 IN 60

1 IN 138

1 IN 105

1 IN 120

LEVEL



SECTION : HURSTVILLE TO PENSHURST  
 MAP SET : CENTRAL TO WATERFALL  
 UPDATED TO : 9 April 2024

GRADIENT

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 006 (SYDENHAM)

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
SM 938 UI	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)	-
SM 943 UI	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

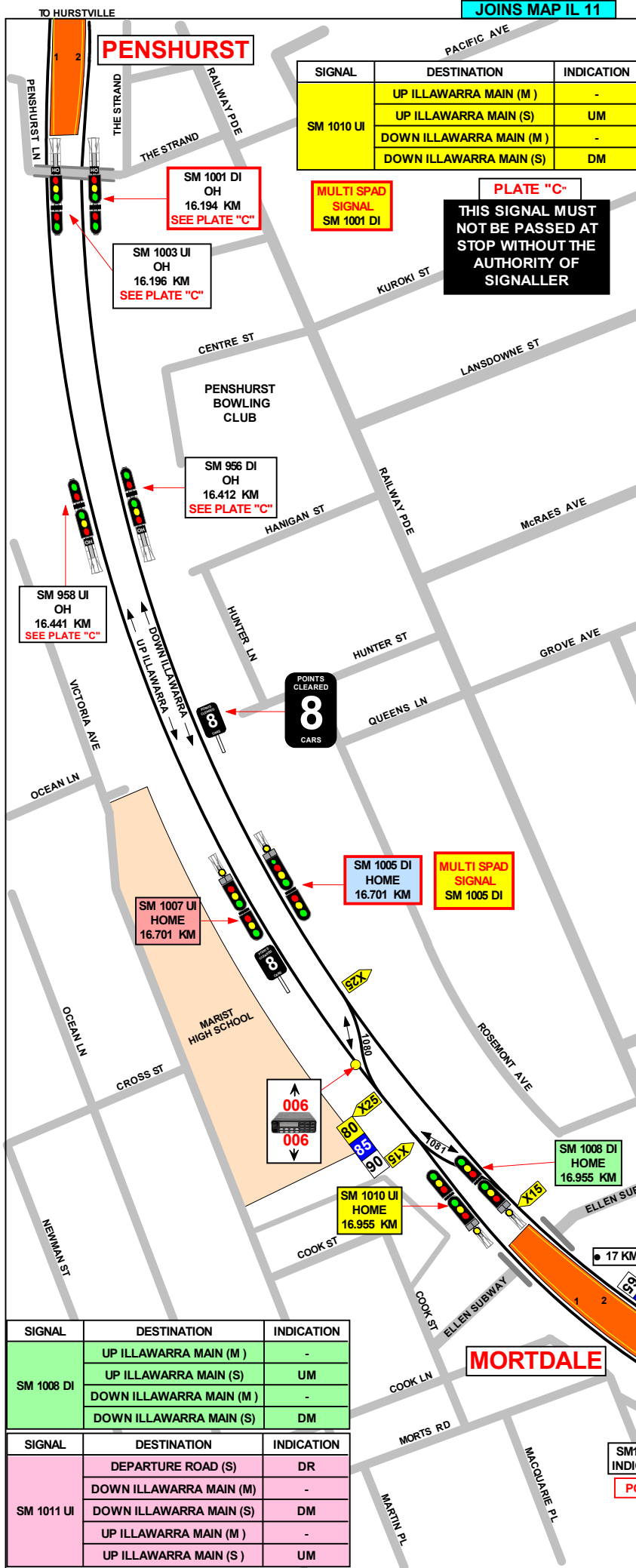
SIGNAL	DESTINATION	INDICATION
SM 945 UIL	DOWN ILLAWARRA MAIN (M)	D
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	U
	UP ILLAWARRA MAIN (S)	UM
SM 948 UI	UP ILLAWARRA LOCAL (M)	-
	UP ILLAWARRA LOCAL (S)	UL
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM
SM 952 DI	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM
	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM

LEVEL

1 IN 287

1 IN 73

1 IN 85



SECTION : **PENSHURST TO MORTDALE**  
 MAP SET : CENTRAL TO WATERFALL  
 UPDATED TO : 17 August 2019

**GRADIENT**

1 IN 85

1 IN 110

1 IN 80

1 IN 77

**INFORMATION**

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 006 (SYDENHAM)

**SPECIAL POINTS OF INTEREST**

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

**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

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 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 : 20 March 2024

**INFORMATION**

CONTROLLED FROM : RAIL OPERATIONS CENTRE

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

NLA 404 HURSTVILLE

GRADIENT

1 IN 77

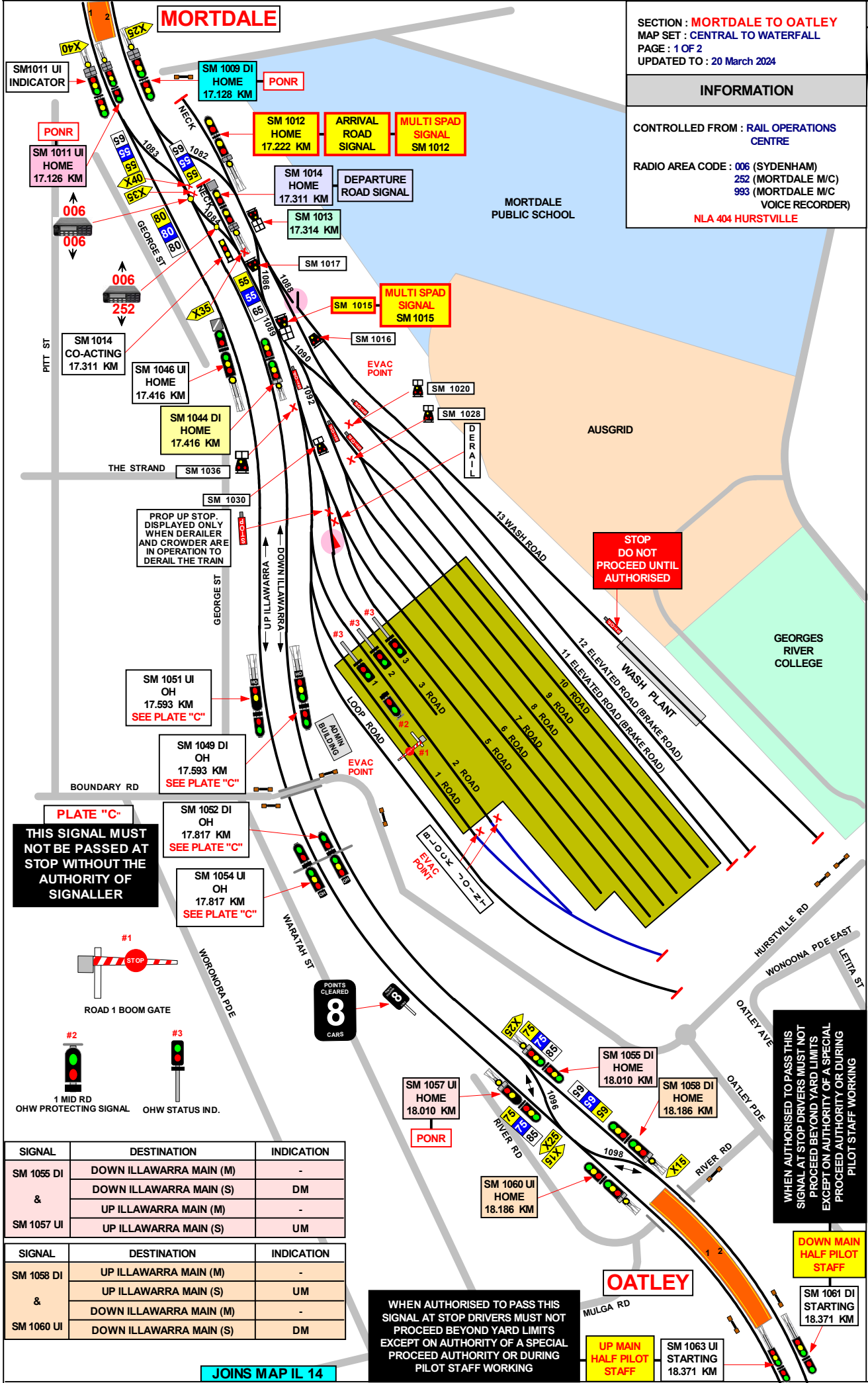
1 IN 292

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

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
SM 1055 DI & SM 1057 UI	DOWN ILLAWARRA MAIN (M)	-
	DOWN ILLAWARRA MAIN (S)	DM
	UP ILLAWARRA MAIN (M)	-
	UP ILLAWARRA MAIN (S)	UM
SM 1058 DI & SM 1060 UI	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
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

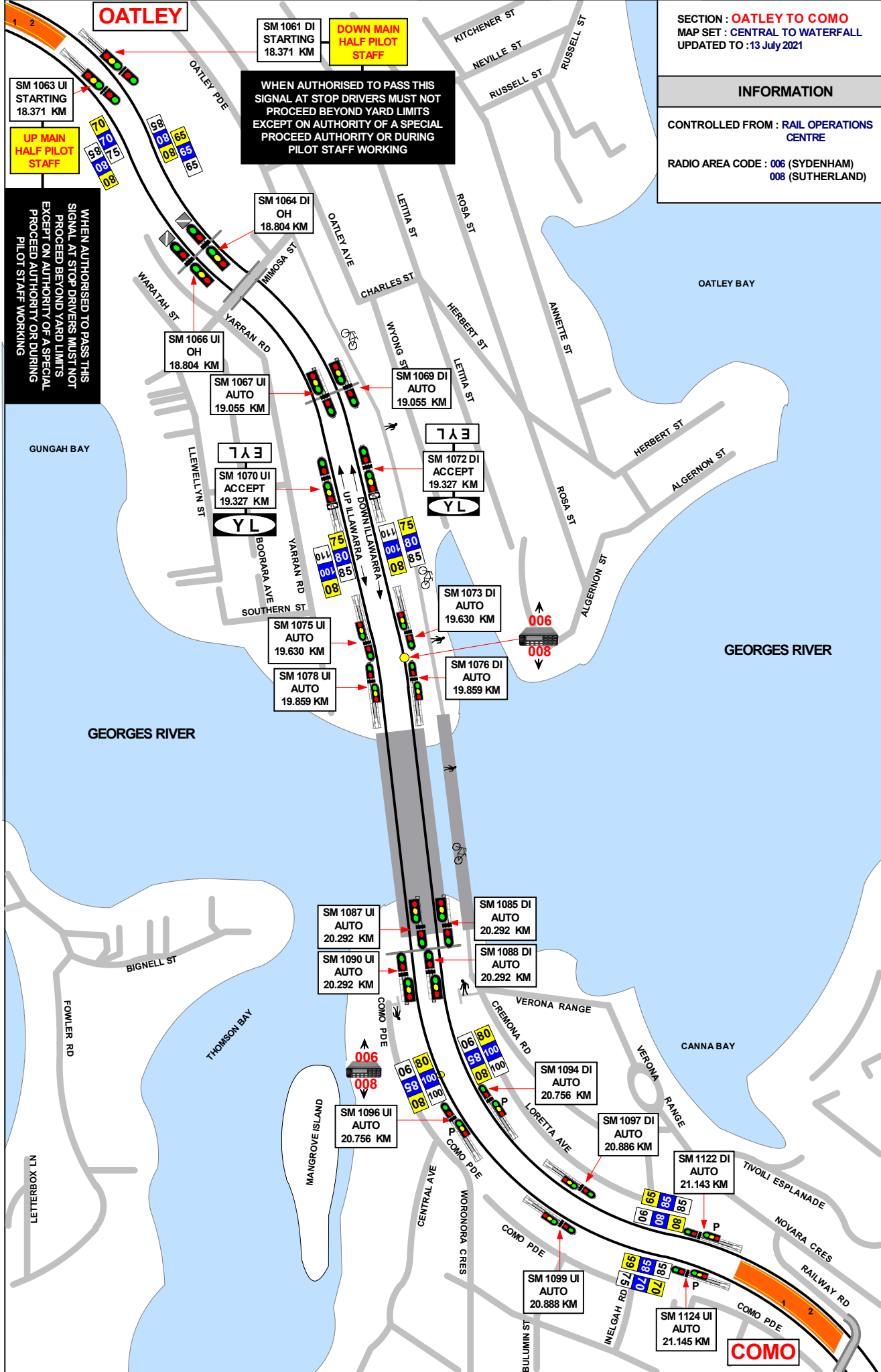
**OATLEY**

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 13

TO MORTDALE



**SECTION : OATLEY TO COMO**  
**MAP SET : CENTRAL TO WATERFALL**  
 UPDATED TO : 13 July 2021

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**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	
1 IN 69	
1 IN 44	
LEVEL	

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

JOINS MAP IL 15

TO JANNALI

**SECTION : COMO TO JANNALI**  
**MAP SET : CENTRAL TO WATERFALL**  
 UPDATED TO: 26 October 2020

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**INFORMATION**

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

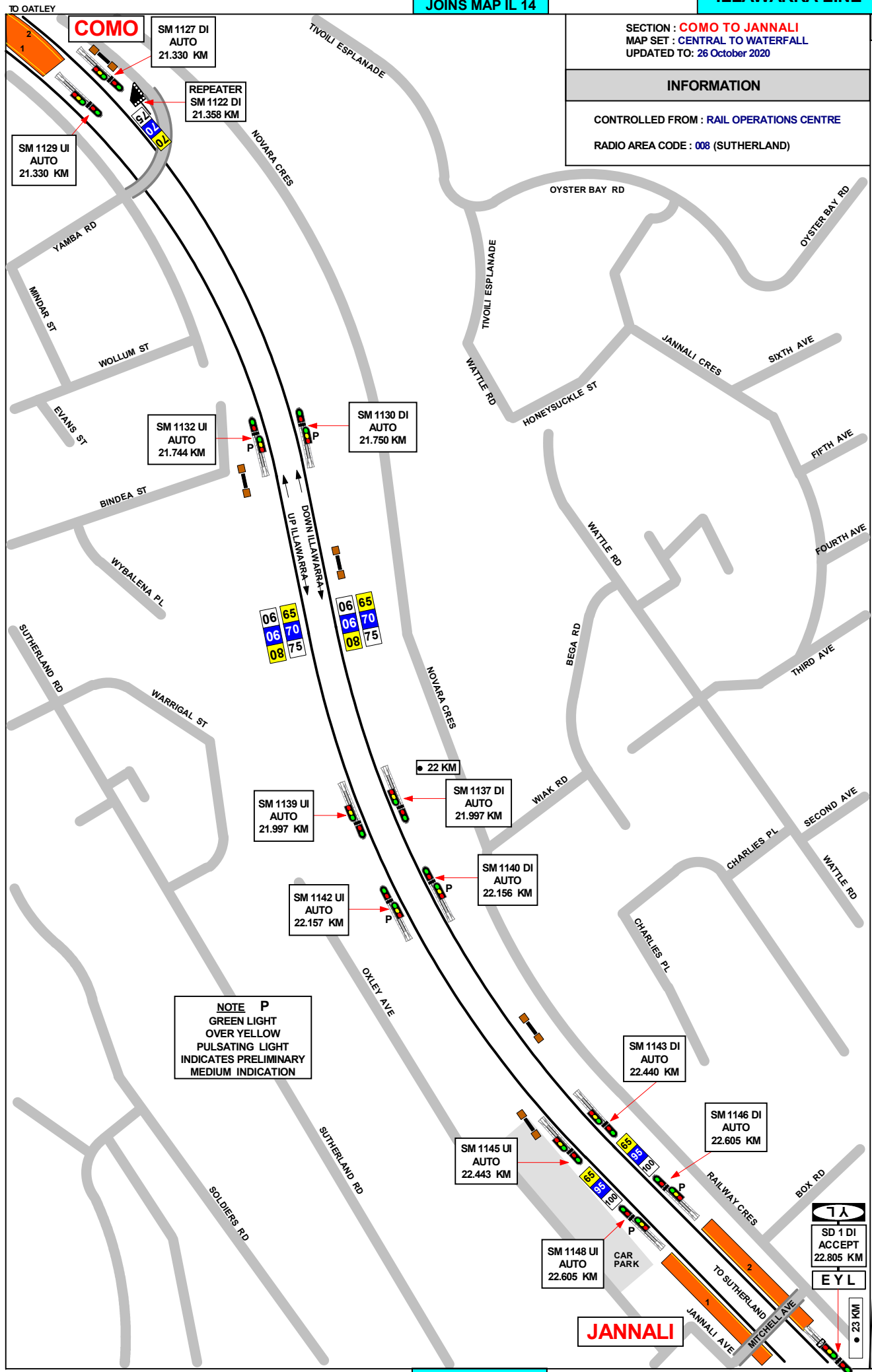
**GRADIENT**

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 : 8 January 2024

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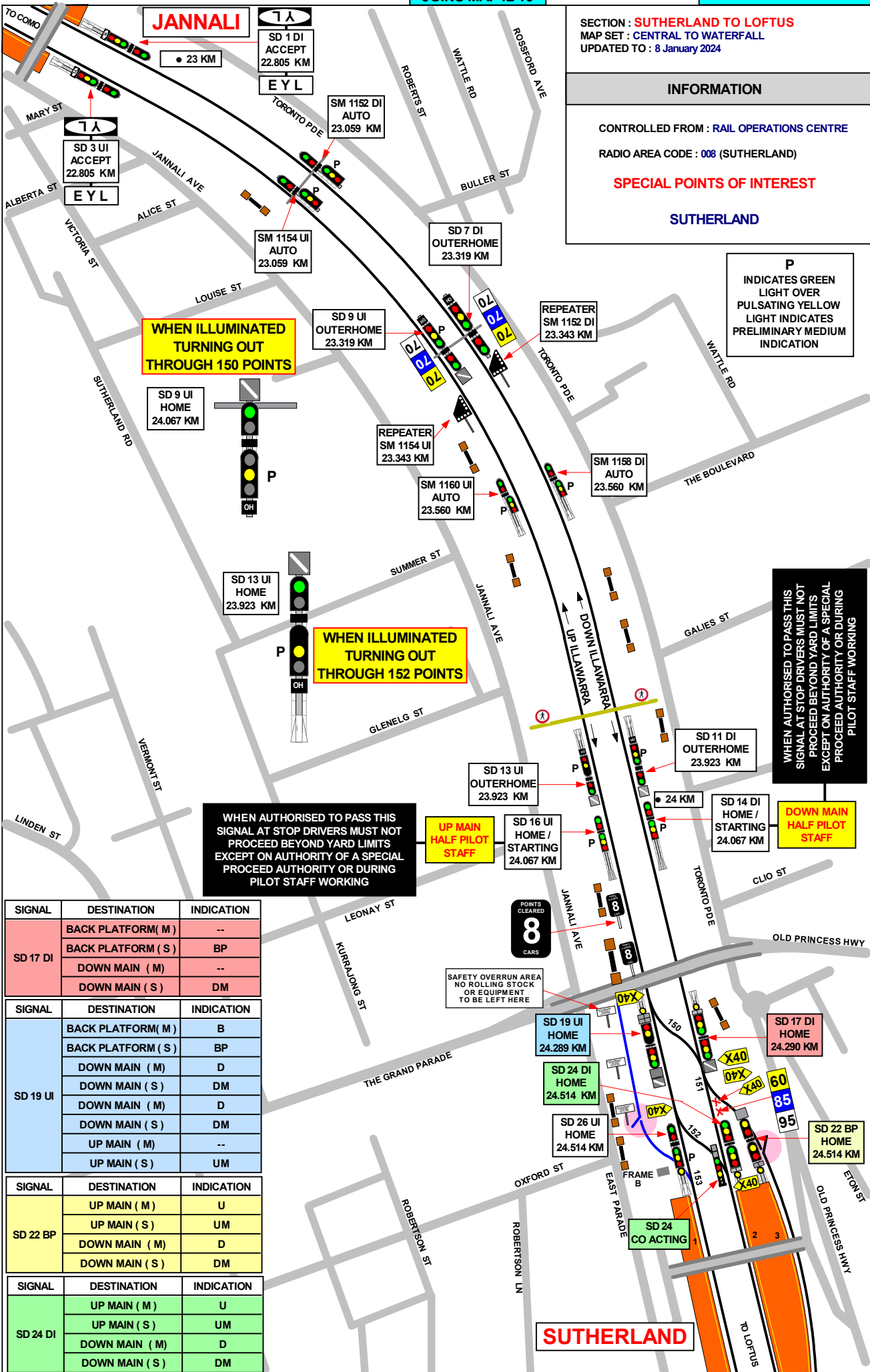
**INFORMATION**

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

**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**

**UP MAIN HALF PILOT STAFF**

**DOWN MAIN HALF PILOT STAFF**

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

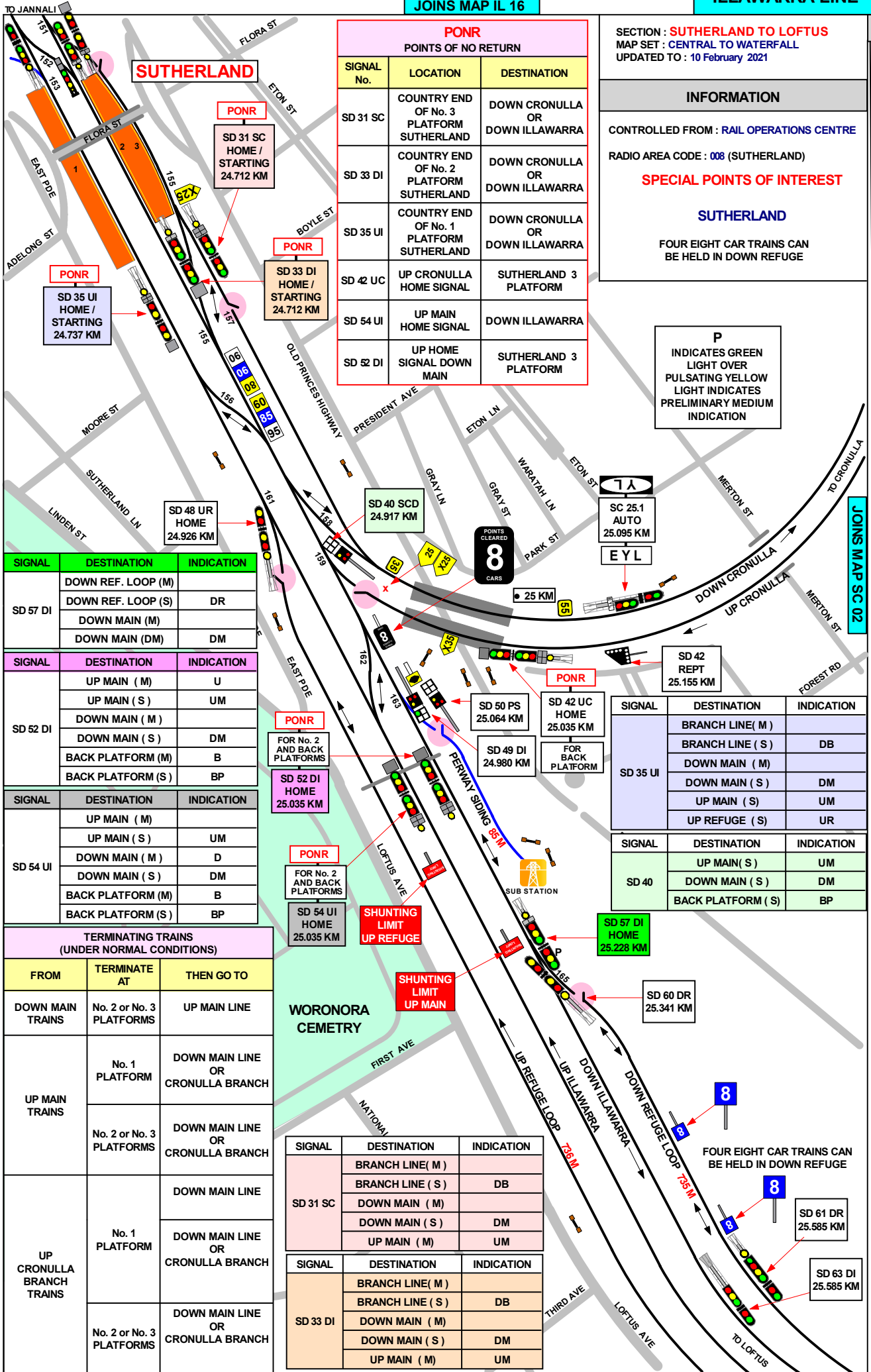
SIGNAL	DESTINATION	INDICATION
SD 19 UI	BACK PLATFORM ( M )	B
	BACK PLATFORM ( S )	BP
	DOWN MAIN ( M )	D
	DOWN MAIN ( S )	DM
	DOWN MAIN ( M )	D
	DOWN MAIN ( S )	DM
	UP MAIN ( M )	--
UP MAIN ( S )	UM	

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

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

JOINS MAP IL 17

**SUTHERLAND**



PONR POINTS OF NO RETURN		
SIGNAL No.	LOCATION	DESTINATION
SD 31 SC	COUNTRY END OF No. 3 PLATFORM SUTHERLAND	DOWN CRONULLA OR DOWN ILLAWARRA
SD 33 DI	COUNTRY END OF No. 2 PLATFORM SUTHERLAND	DOWN CRONULLA OR DOWN ILLAWARRA
SD 35 UI	COUNTRY END OF No. 1 PLATFORM SUTHERLAND	DOWN CRONULLA OR DOWN ILLAWARRA
SD 42 UC	UP CRONULLA HOME SIGNAL	SUTHERLAND 3 PLATFORM
SD 54 UI	UP MAIN HOME SIGNAL	DOWN ILLAWARRA
SD 52 DI	UP HOME SIGNAL DOWN MAIN	SUTHERLAND 3 PLATFORM

SECTION : **SUTHERLAND TO LOFTUS**  
 MAP SET : **CENTRAL TO WATERFALL**  
 UPDATED TO : 10 February 2021

**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

**P**

INDICATES GREEN LIGHT OVER  
 PULSATING YELLOW LIGHT INDICATES PRELIMINARY MEDIUM INDICATION

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

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

**TERMINATING TRAINS (UNDER NORMAL CONDITIONS)**

FROM	TERMINATE AT	THEN GO TO
DOWN MAIN TRAINS	No. 2 or No. 3 PLATFORMS	UP MAIN LINE
UP MAIN TRAINS	No. 1 PLATFORM	DOWN MAIN LINE OR CRONULLA BRANCH
	No. 2 or No. 3 PLATFORMS	DOWN MAIN LINE OR CRONULLA BRANCH
UP CRONULLA BRANCH TRAINS	No. 1 PLATFORM	DOWN MAIN LINE
		DOWN MAIN LINE OR CRONULLA BRANCH
	No. 2 or No. 3 PLATFORMS	DOWN MAIN LINE OR CRONULLA BRANCH

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	UP MAIN (S)	UM
	DOWN MAIN (S)	DM
	BACK PLATFORM (S)	BP

SIGNAL	DESTINATION	INDICATION
SD 57 DI HOME		
SD 60 DR		

SIGNAL	DESTINATION	INDICATION
SD 61 DR		
SD 63 DI		

FOUR EIGHT CAR TRAINS CAN BE HELD IN DOWN REFUGE

GRADIENT

1 IN 660

1 IN 330

SECTION : **SUTHERLAND TO LOFTUS**  
 MAP SET : CENTRAL TO WATERFALL  
 UPDATED TO : 10 May 2022

GRADIENT

**INFORMATION**

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 008 (SUTHERLAND)

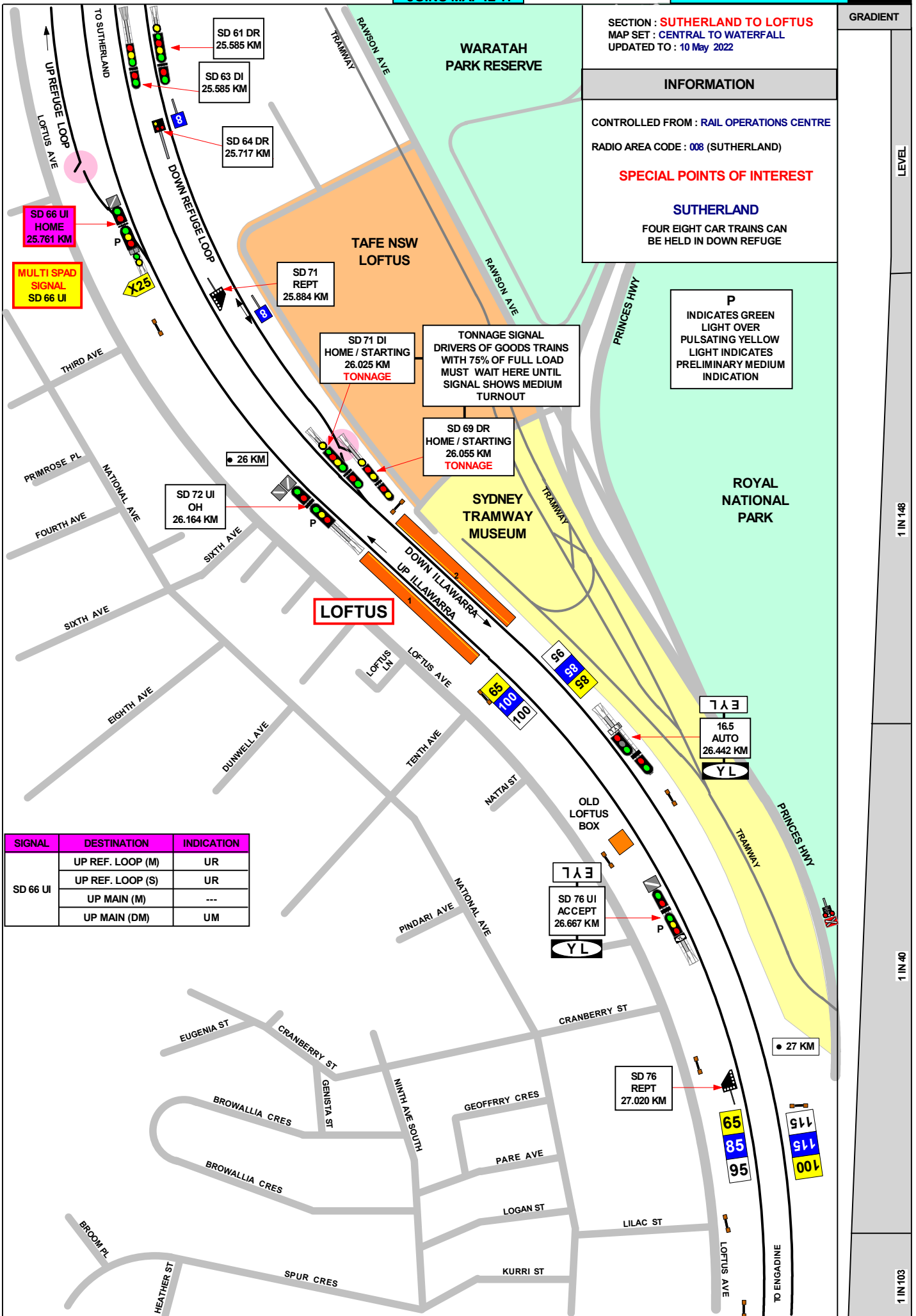
**SPECIAL POINTS OF INTEREST**

**SUTHERLAND**

FOUR EIGHT CAR TRAINS CAN BE HELD IN DOWN REFUGE

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

**TONNAGE SIGNAL**  
 DRIVERS OF GOODS TRAINS WITH 75% OF FULL LOAD MUST WAIT HERE UNTIL SIGNAL SHOWS MEDIUM TURNOUT



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

LEVEL

1 IN 148

1 IN 40

1 IN 103

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

GRADIENT

**INFORMATION**

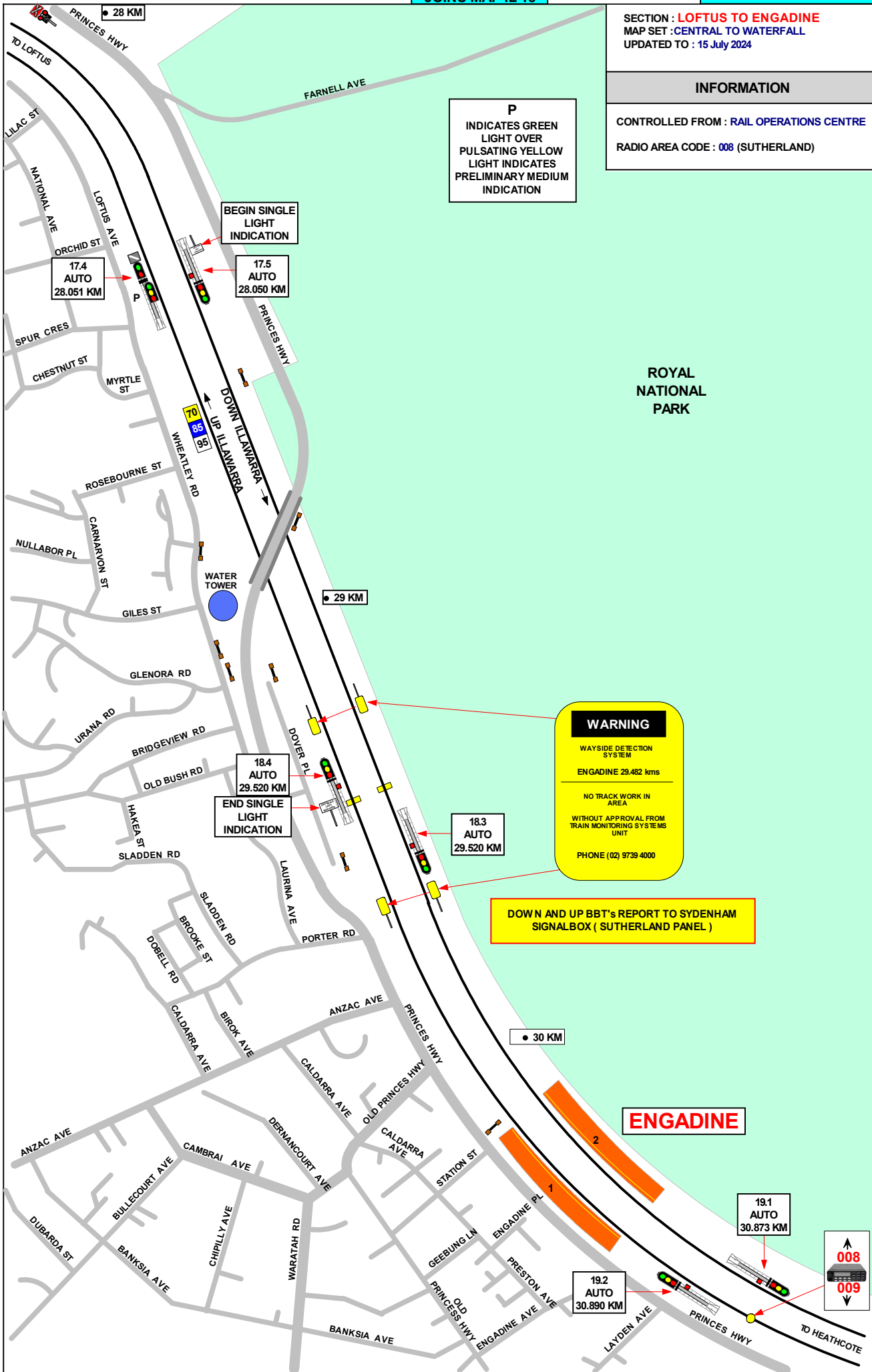
CONTROLLED FROM : **RAIL OPERATIONS CENTRE**  
RADIO AREA CODE : **008 (SUTHERLAND)**

**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 27

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

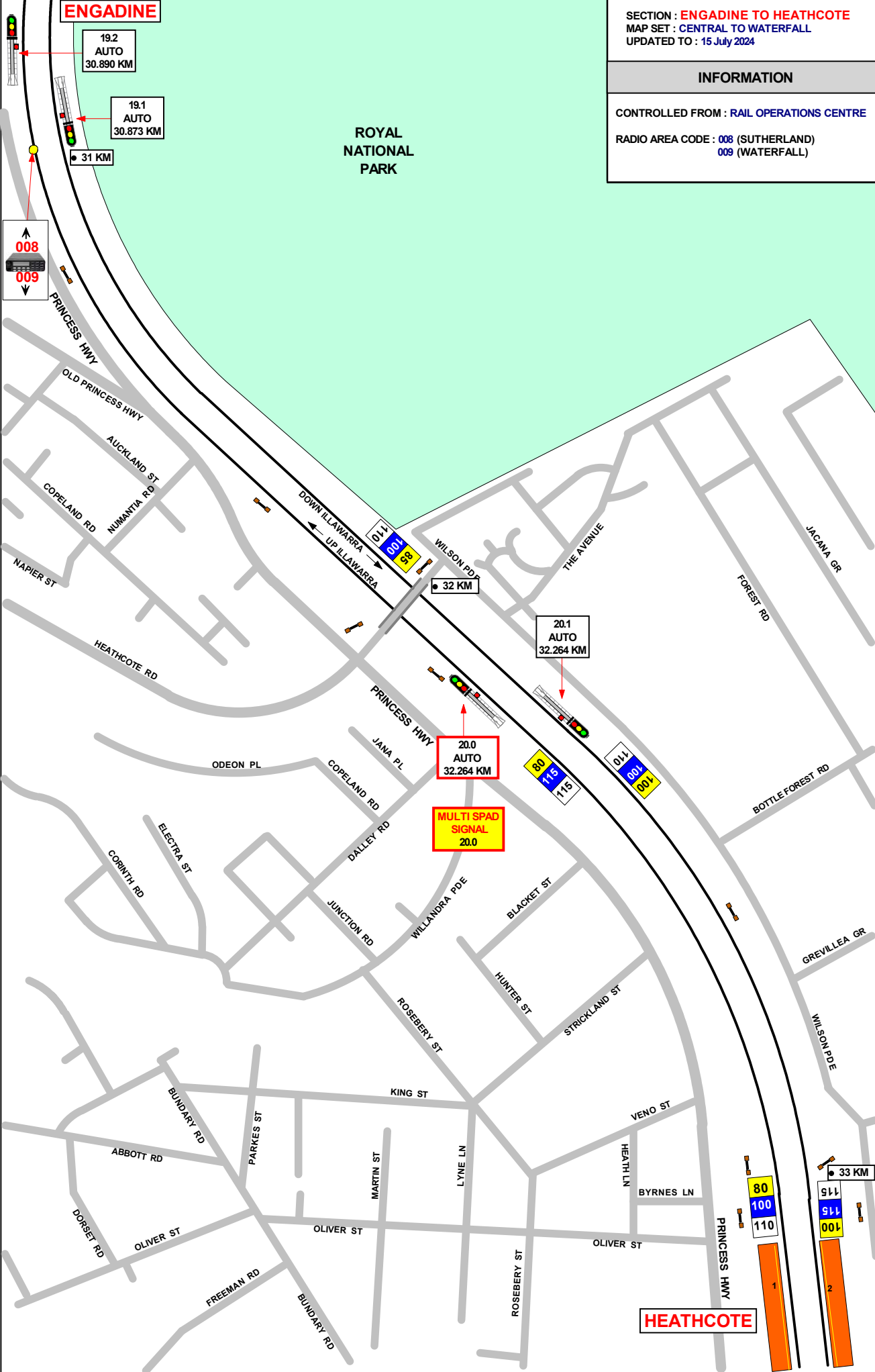
1 IN 227

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

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**INFORMATION**

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

GRADIENT

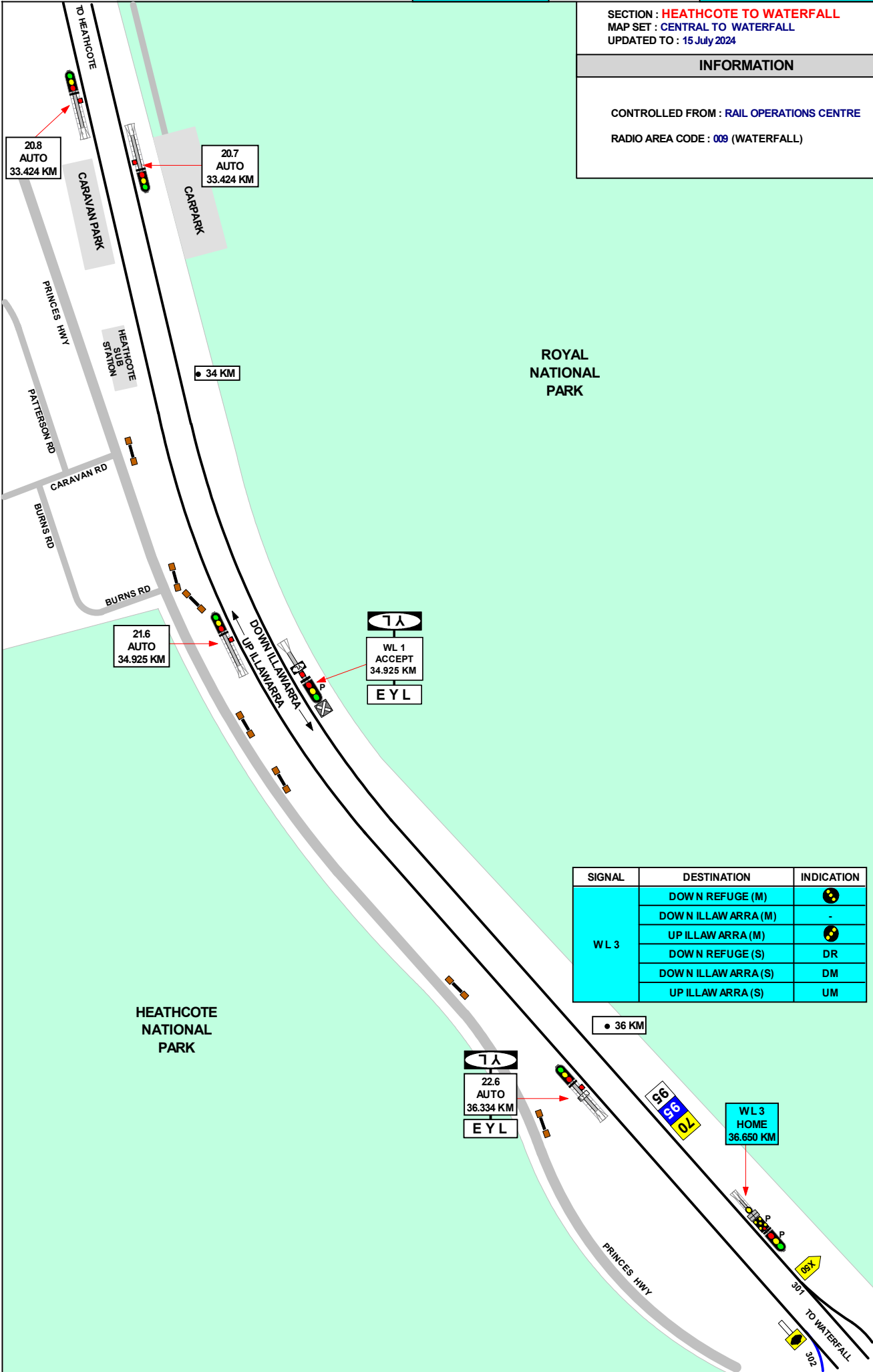
1 IN 480

1 IN 100

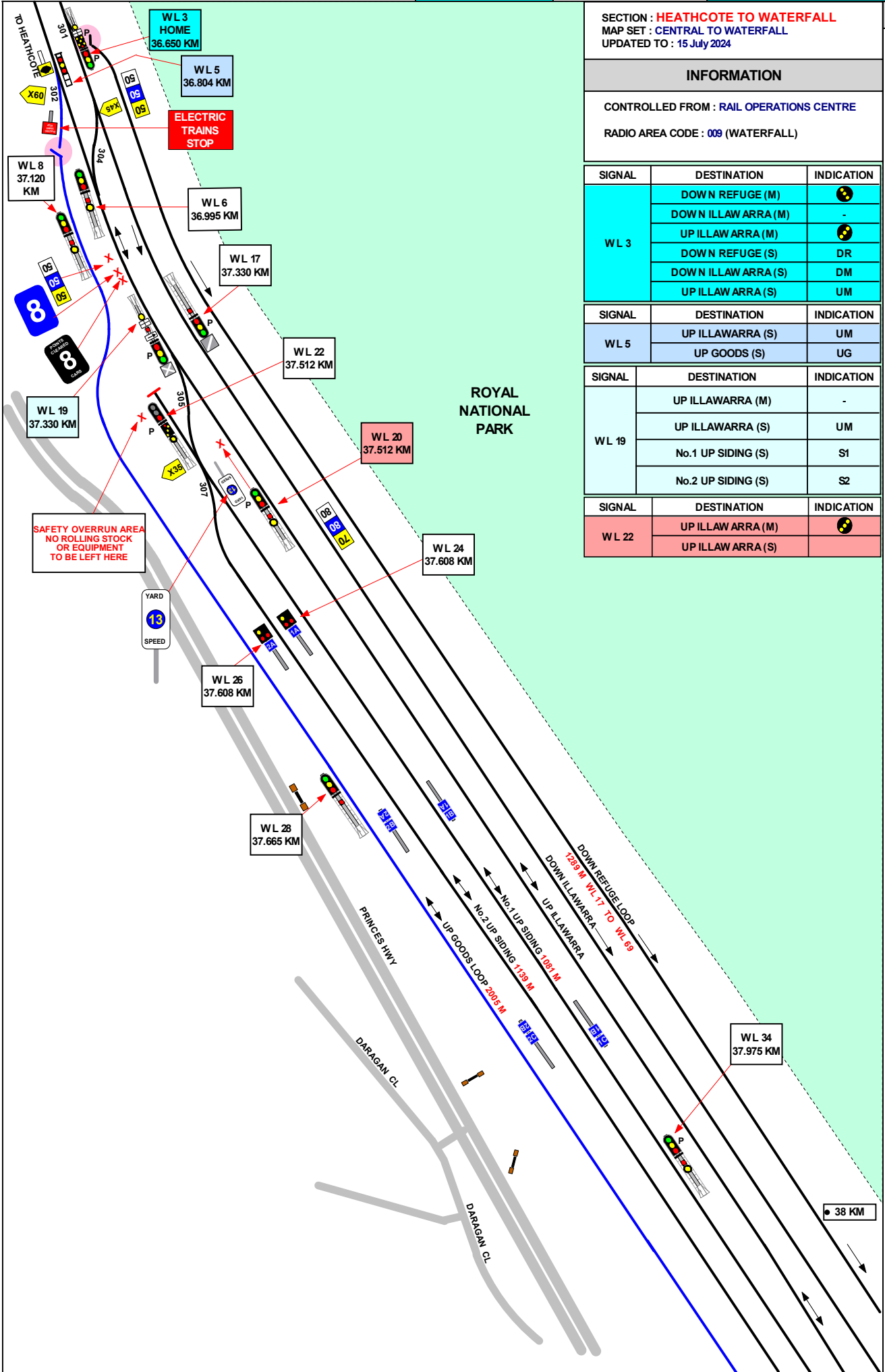
1 IN 76

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 : 15 July 2024

GRADIENT

**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

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 2  
 UPDATED TO : 24 July 2024

**INFORMATION**

CONTROLLED FROM : RAIL OPERATIONS CENTRE  
 RADIO AREA CODE : 009  
 METHOD OF WORKING : RAIL VEHICLE DETECTION SYSTEM

**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.

GRADIENT

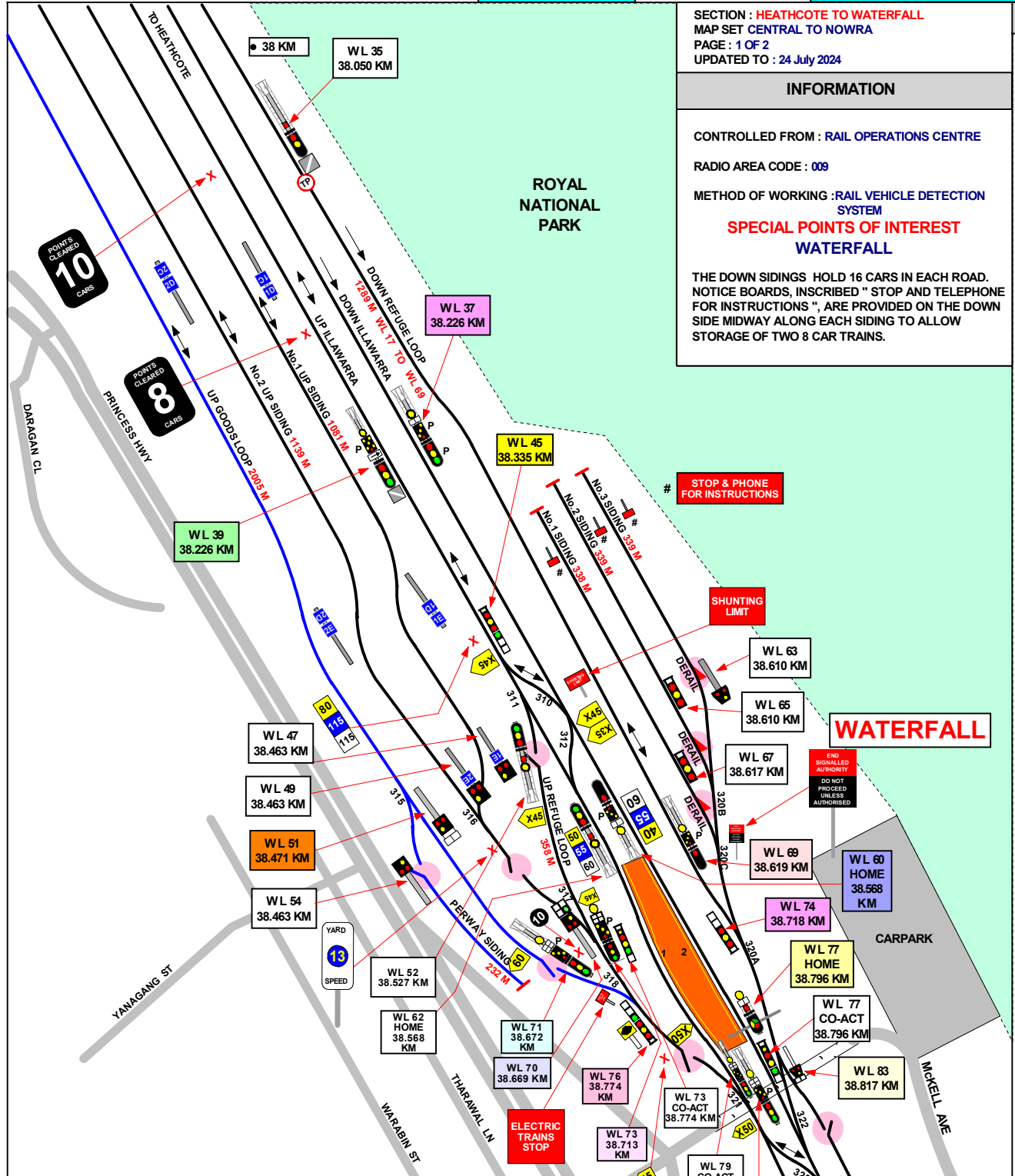
1 IN 220

1 IN 120

1 IN 187

1 IN 165

1 IN 88



TERMINATING TRAINS (UNDER NORMAL CONDITIONS)		
FROM	TERMINATE AT	THEN GO TO
DOWN TRAINS	No. 1 PLATFORM	RETURN IN UP DIRECTION
	No. 2 PLATFORM	RETURN IN UP DIRECTION VIA POINTS 310
UP TRAINS ON DOWN ILLAWARRA LINE	No. 1 PLATFORM	RETURN TO UP MAIN IN DOWN DIRECTION OR RETURN TO DOWN MAIN VIA POINTS No. 323
	No. 2 PLATFORM	UP MAIN VIA POINTS 310 OR RETURN IN THE DOWN DIRECTION ON THE DOWN MAIN
UP TRAINS ON UP ILLAWARRA LINE	No. 1 PLATFORM	RETURN TO THE DOWN MAIN LINE VIA POINTS No. 323

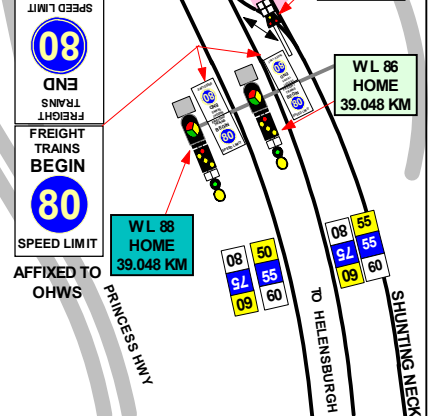
**INFORMATION**

**SPECIAL POINTS OF INTEREST**  
**WATERFALL**

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

HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE HOME / STARTING SIGNALS FOR THE WATERFALL TO HELENSBURGH SECTION.

THE HALF PILOT STAFF FOR THE DOWN MAIN LINE IS INSCRIBED " WATERFALL DOWN MAIN WL 91 D " AND THE HALF PILOT STAFF FOR THE UP MAIN LINE IS INSCRIBED " WATERFALL UP MAIN WL 93 U ".





SECTION : **HEATHCOTE TO WATERFALL**  
 MAP SET : CENTRAL TO WATERFALL  
 PAGE : 2 OF 2  
 UPDATED TO : 24 July 2024

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 79	DOWN ILLAWARRA (M)	
	UP ILLAWARRA (M)	
	SHUNTING NECK (S)	S
	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 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 45	DOWN ILLAWARRA (S)	DM
	UP MAIN (S)	UM
		- GREEN LIGHT
	UP REFUGE (S)	UR

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 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 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

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 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