

DRIVERS ROUTE KNOWLEDGE DIAGRAMS

ILLAWARRA (SOUTH COAST) LINE

WATERFALL
HELENSBURGH
OTFORD
STANWELL PARK
COALCLIFF
SCARBOROUGH
WOMBARRA
COLEDALE
AUSTINMER
THIRROUL
BULLI
WOONONA
BELLAMBI
CORRIMAL
TOWRADGI
FAIRY MEADOW
NORTH WOLLONGONG
WOLLONGONG
CONISTON
UNANDERRA
KEMBLA GRANGE
DAPTO
ALBION PARK
OAK FLATS
SHELLHARBOUR JUNCTION
MINNAMURRA
BOMBO
KIAMA
GERRINGONG
BERRY
BOMADERRY (NOWRA)

Effective Date: July 2024

Version: 4.75

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.

Information in these diagrams is uncontrolled.

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



Copyright: Sydney Trains

Ownership: Geospatial Services

Location: CM Record No.D2015/578

SECTION : WATERFALL TO HELENSBURGH
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 15 July 2024

GRADIENT

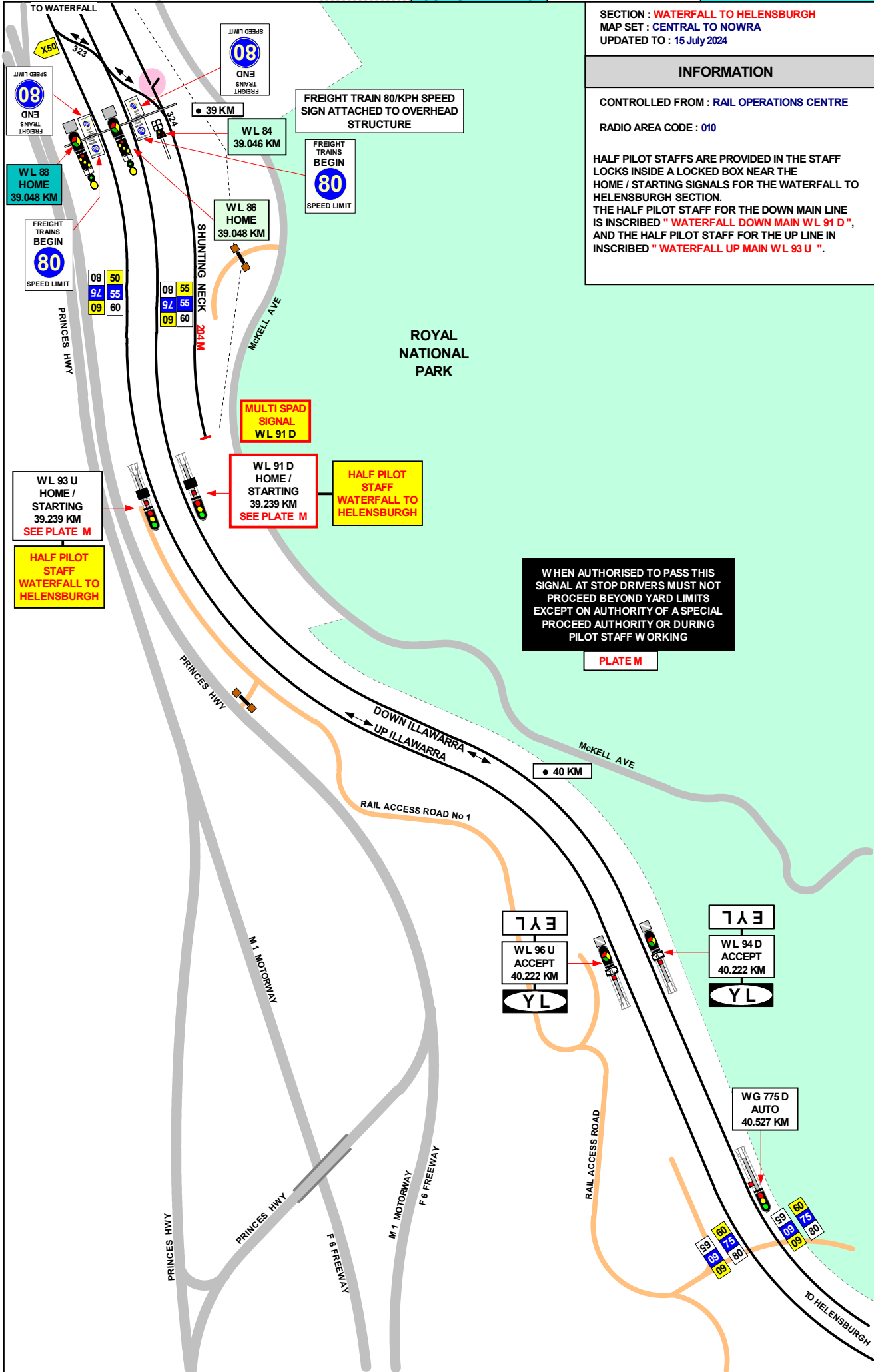
INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 010

HALF PILOT STAFFS ARE PROVIDED IN THE 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 LINE IS INSCRIBED " WATERFALL UP MAIN WL 93 U " .

1 IN 165

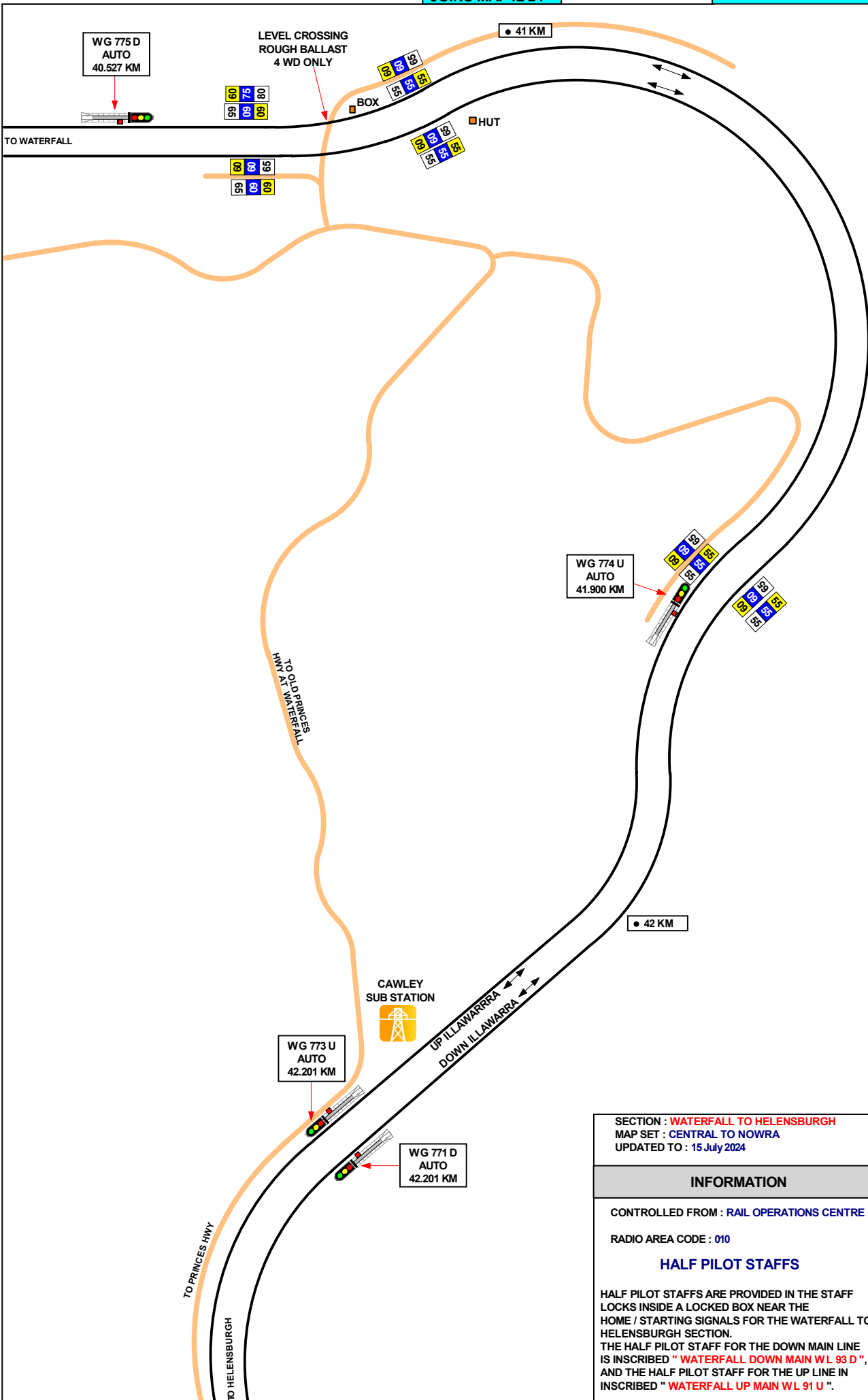


WHEN AUTHORISED TO PASS THIS SIGNAL AT STOP DRIVERS MUST NOT PROCEED BEYOND YARD LIMITS EXCEPT ON AUTHORITY OF A SPECIAL PROCEED AUTHORITY OR DURING PILOT STAFF WORKING

PLATE M

1 IN 88

1 IN 80



1 IN 165

1 IN 88

1 IN 80

SECTION : WATERFALL TO HELENSBURGH
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 15 July 2024

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 010

HALF PILOT STAFFS

HALF PILOT STAFFS ARE PROVIDED IN THE 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 93 D ",
 AND THE HALF PILOT STAFF FOR THE UP LINE IS INSCRIBED " WATERFALL UP MAIN WL 91 U ".

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

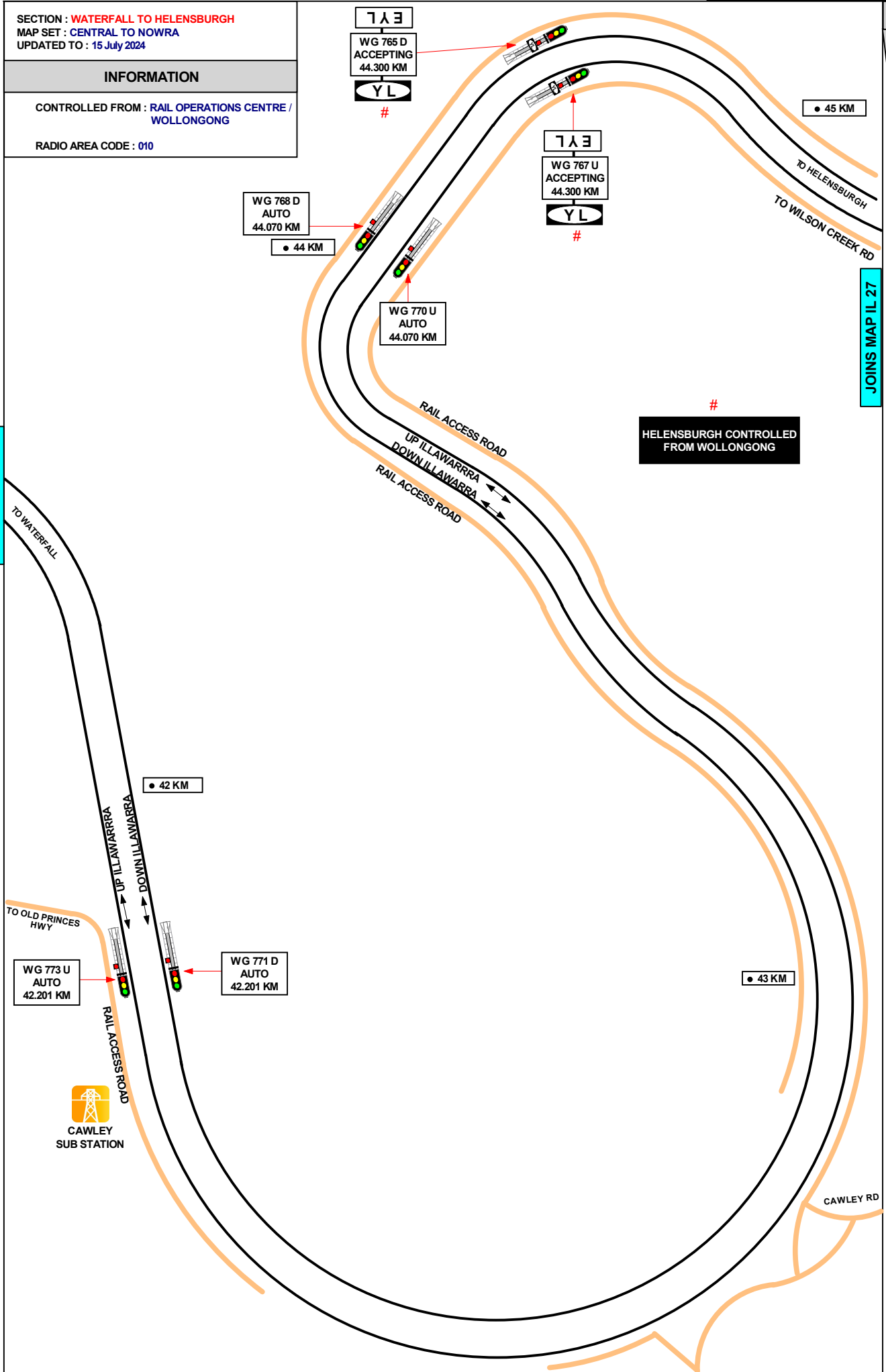
INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE / WOLLONGONG**
 RADIO AREA CODE : **010**

GRADIENT	
1 IN 80	1 IN 80
E	E
1 IN 80	1 IN 80
1 IN 78	1 IN 78
1 IN 80	1 IN 80
1 IN 76	1 IN 76
1 IN 83	1 IN 83
1 IN 85	1 IN 85
1 IN 99	1 IN 99
1 IN 83	1 IN 83

JOINS MAP IL 25

JOINS MAP IL 27



JOINS MAP IL 26

SECTION : WILSON CREEK BRIDGE TO METROPOLITAN COLLIERY JCN
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 6 June 2022

GRADIENT

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 010

HALF PILOT STAFFS

THE HALF PILOT STAFFS FOR THE SECTION WATERFALL- HELENSBURGH ARE INSCRIBED "HELENSBURGH DOWN MAIN WG 758" AND "HELENSBURGH UP MAIN WG 760"

THE HALF PILOT STAFFS FOR THE SECTION HELENSBURGH- METROPOLITAN COLLIERY JUNCTION ARE INSCRIBED "HELENSBURGH DOWN MAIN WG 747" AND "HELENSBURGH UP MAIN WG 749"

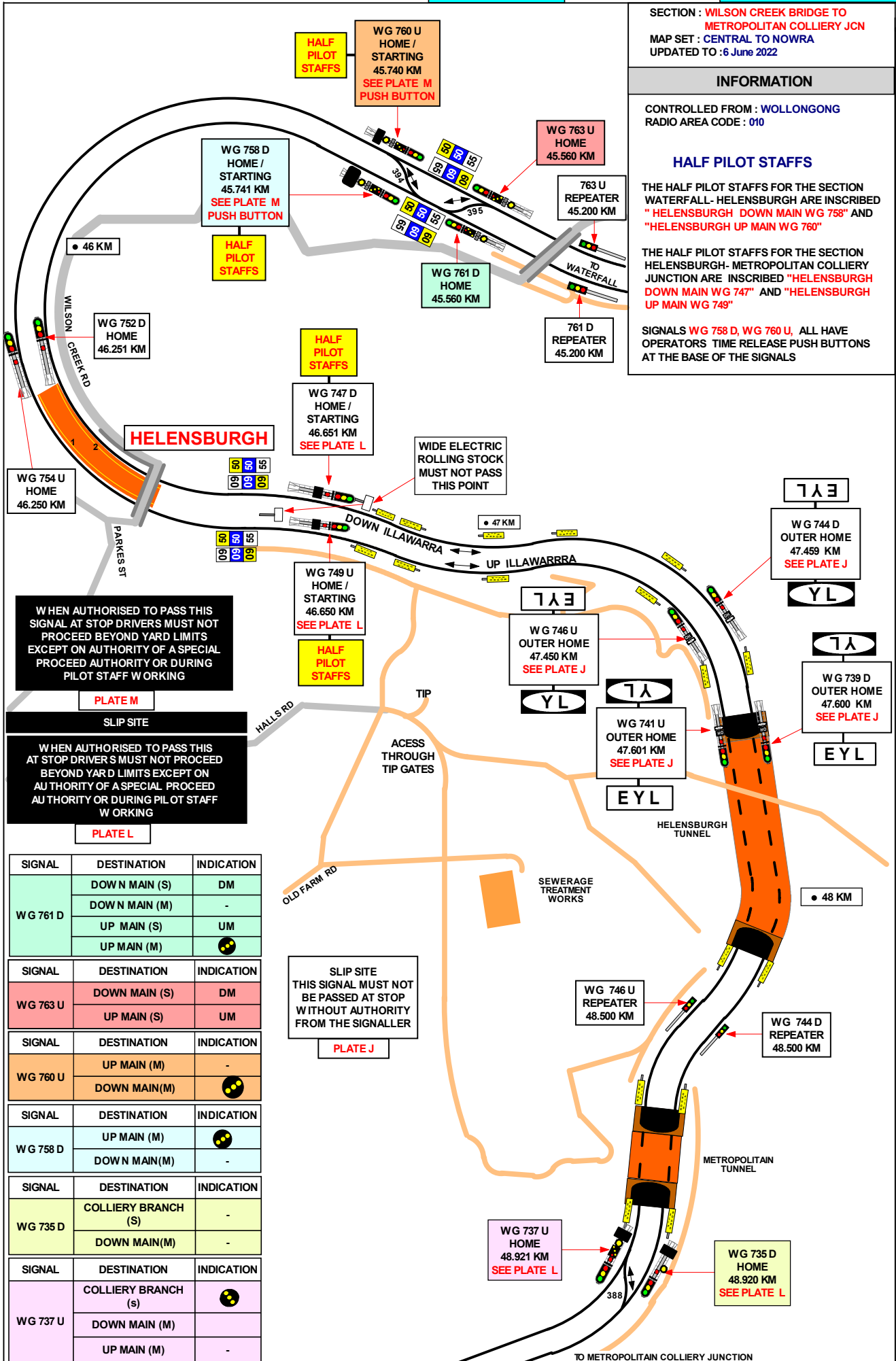
SIGNALS WG 758 D, WG 760 U, ALL HAVE OPERATORS TIME RELEASE PUSH BUTTONS AT THE BASE OF THE SIGNALS

1 IN 80

1 IN 80

LEVEL

1 IN 80



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

PLATE M

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

PLATE L

SIGNAL	DESTINATION	INDICATION
WG 761 D	DOWN MAIN (S)	DM
	DOWN MAIN (M)	-
	UP MAIN (S)	UM
	UP MAIN (M)	☀

SIGNAL	DESTINATION	INDICATION
WG 763 U	DOWN MAIN (S)	DM
	UP MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
WG 760 U	UP MAIN (M)	-
	DOWN MAIN (M)	☀

SIGNAL	DESTINATION	INDICATION
WG 758 D	UP MAIN (M)	☀
	DOWN MAIN (M)	-

SIGNAL	DESTINATION	INDICATION
WG 735 D	COLLIERY BRANCH (S)	-
	DOWN MAIN (M)	-

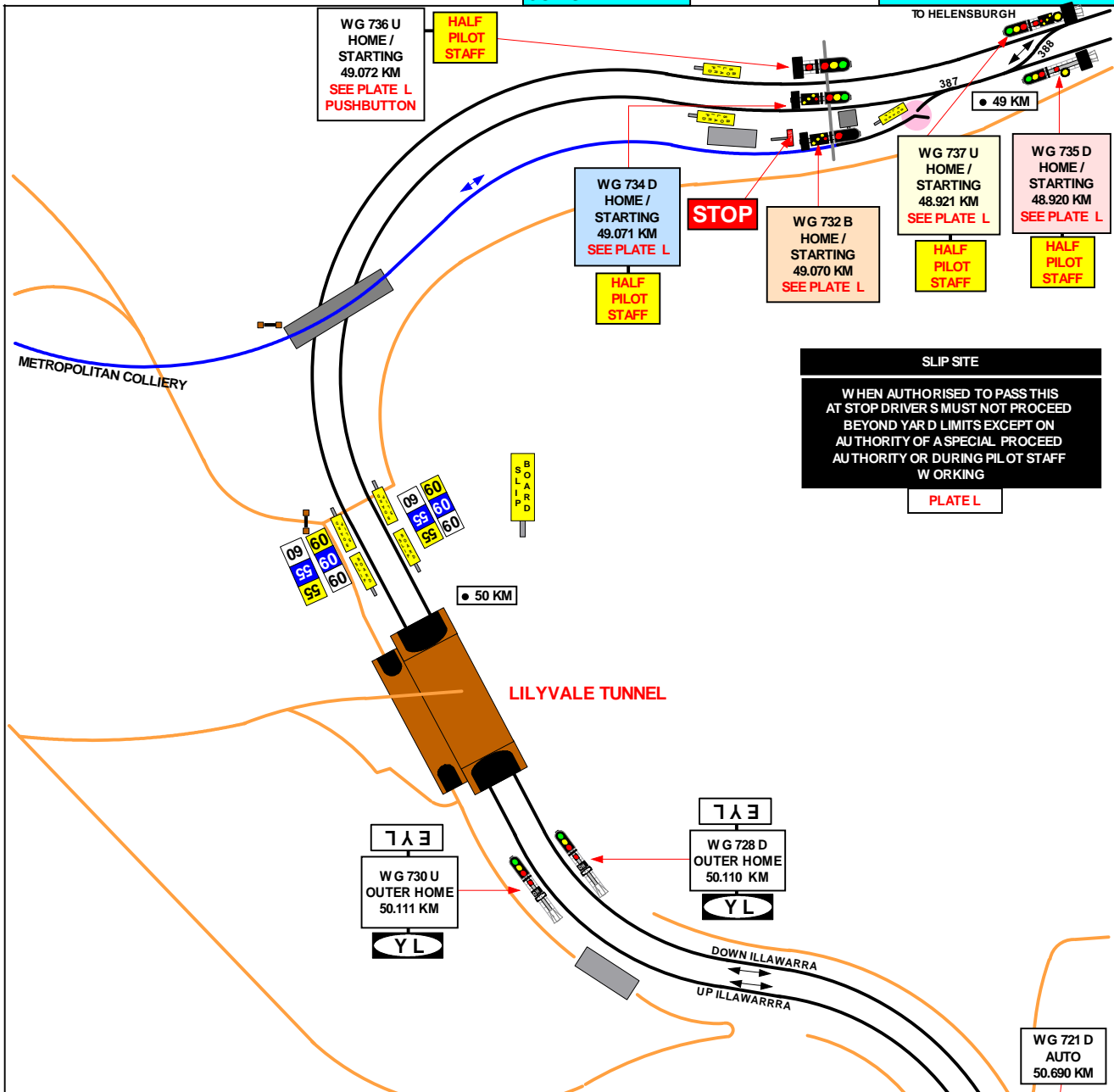
SIGNAL	DESTINATION	INDICATION
WG 737 U	COLLIERY BRANCH (S)	☀
	DOWN MAIN (M)	-
	UP MAIN (M)	-

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

PLATE J

JOINS MAP IL 28

JOINS MAP IL27



GRADIENT

1 IN 80

LEVEL

1 IN 110

1 IN 80

SECTION : METROPOLITAN COLLIERY JCN TO OTFORD
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 17 OCTOBER 2014

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 010
 SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

THE HALF PILOT STAFF FOR THE SECTION HELENSBURGH-METROPOLITAN COLLIERY JCT CAN BE FOUND INSIDE A LOCKED BOX NEAR SIGNAL WG 734 AND WG 736 AND ARE INSCRIBED "METROP. COLLIERY DOWN MAIN WG 734" AND "METROP. COLLIERY UP MAIN WG 736"

THE HALF PILOT STAFF FOR THE SECTION METROPOLITAN COLLIERY JCN-OTFORD CAN BE FOUND INSIDE A LOCKED BOX NEAR SIGNAL WG 735 AND WG 737 AND ARE INSCRIBED "METROP. COLLIERY UP MAIN WG 735" AND "METROP. COLLIERY UP MAIN WG 737"

EMERGENCY TIME RELEASE PUSH BUTTON

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS "WG 735" AND "WG 736" THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE". WHICH IS ATTACHED TO THE SIGNAL OR ON A POST NEAR THE SIGNALS.

SIGNAL	DESTINATION	INDICATION
WG 735 D	COLLIERY BRANCH (S)	-
	DOWN MAIN (M)	-
WG 732 B	UP MAIN (M)	+ D
	DOWN MAIN (M)	+ D
WG 734 D	UP MAIN (M)	+ D
	DOWN MAIN (M)	-
WG 737 U	COLLIERY BRANCH (S)	-
	DOWN MAIN (M)	+ D
	UP MAIN (M)	-

RAIL ACCESS ROAD FROM PRIVATE HORSE ADJUSTMENT FARM

PERWAY CROSSING

JOINS MAP IL 29

SECTION : OTFORD TO STANWELL PARK
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 17 OCTOBER 2014

INFORMATION

CONTROLLED FROM : WOLLONGONG

RADIO AREA CODE : 010

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

HALF PILOT STAFF ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE STARTING OR HOME / STARTING SIGNALS FOR THE METROPOLITAN COLLIERY JCN - OTFORD AND OTFORD - COALCLIFF SECTIONS.

THE HALF PILOT STAFF FOR THE SECTION METROPOLITAN COLLIERY JCN - OTFORD ARE INSCRIBED " OTFORD DOWN MAIN WG 692 " AND " OTFORD UP MAIN WG 694 "

THE HALF PILOT STAFFS FOR THE SECTION OTFORD - COALCLIFF ARE INSCRIBED " OTFORD DOWN MAIN WG 697 " AND " OTFORD UP MAIN WG 699 "

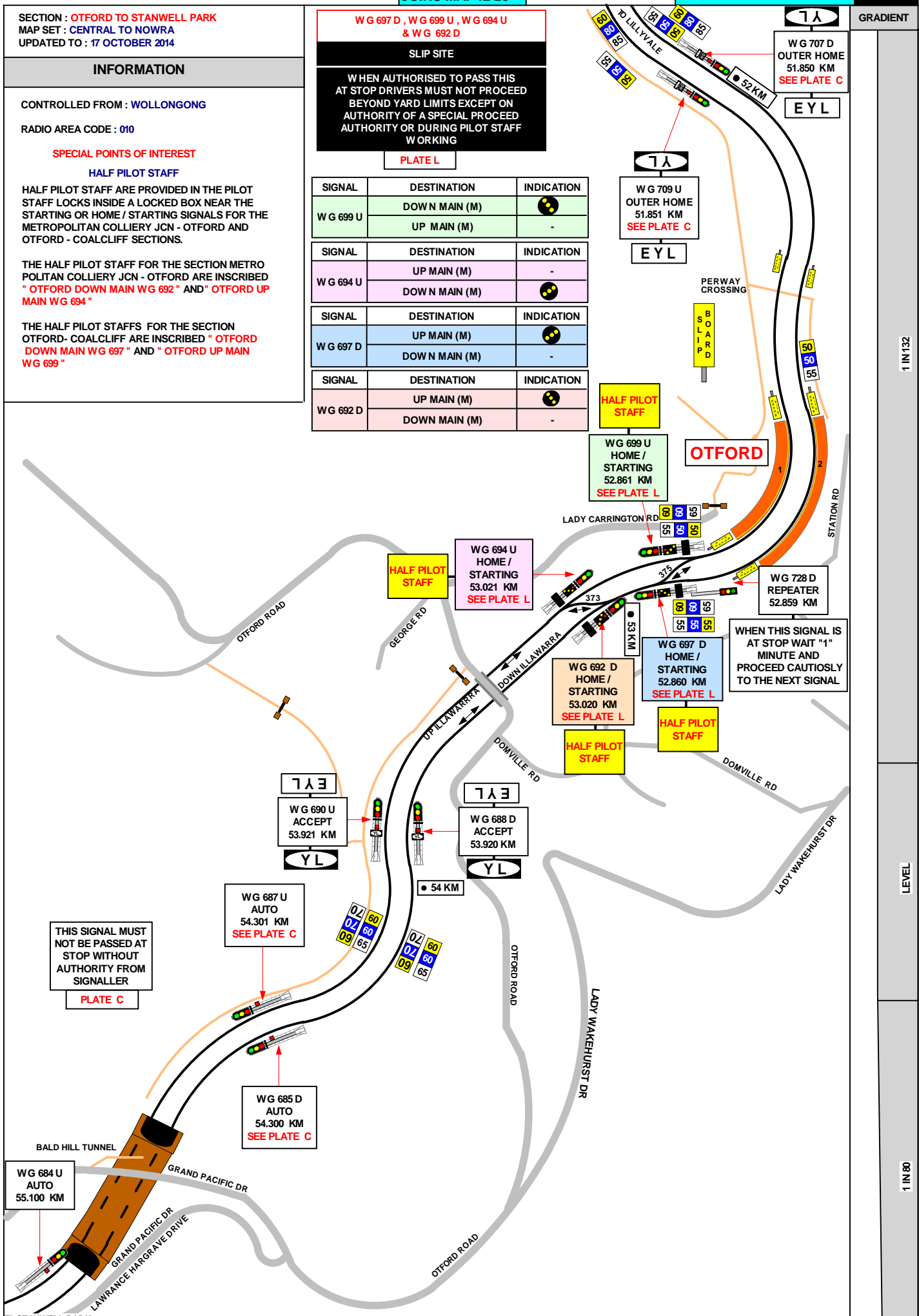
WG 697 D , WG 699 U , WG 694 U & WG 692 D

SLIP SITE

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

PLATE L

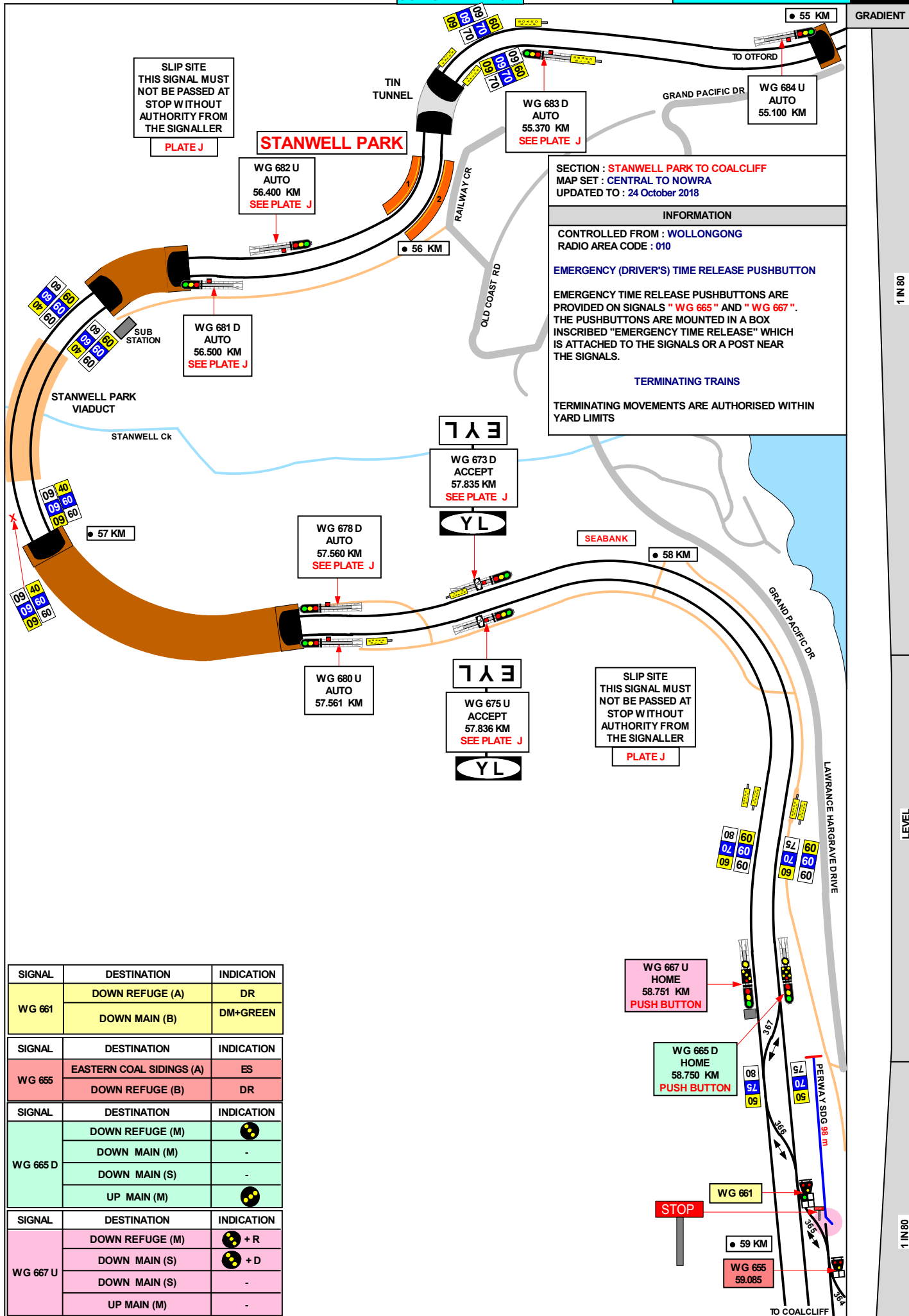
SIGNAL	DESTINATION	INDICATION
WG 699 U	DOWN MAIN (M)	●●●
	UP MAIN (M)	-
WG 694 U	UP MAIN (M)	-
	DOWN MAIN (M)	●●●
WG 697 D	UP MAIN (M)	●●●
	DOWN MAIN (M)	-
WG 692 D	UP MAIN (M)	●●●
	DOWN MAIN (M)	-



1 IN 132

LEVEL

1 IN 80



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

PLATE J

STANWELL PARK

WG 682 U
AUTO
56.400 KM
SEE PLATE J

WG 681 D
AUTO
56.500 KM
SEE PLATE J

WG 683 D
AUTO
55.370 KM
SEE PLATE J

WG 684 U
AUTO
55.100 KM

SECTION : STANWELL PARK TO COALCLIFF
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 24 October 2018

INFORMATION

CONTROLLED FROM : WOLLONGONG
RADIO AREA CODE : 010

EMERGENCY (DRIVER'S) TIME RELEASE PUSHBUTTON

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS "WG 665" AND "WG 667". THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE" WHICH IS ATTACHED TO THE SIGNALS OR A POST NEAR THE SIGNALS.

TERMINATING TRAINS

TERMINATING MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS

YL

WG 673 D
ACCEPT
57.835 KM
SEE PLATE J

YL

WG 678 D
AUTO
57.560 KM
SEE PLATE J

YL

WG 675 U
ACCEPT
57.836 KM
SEE PLATE J

YL

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

PLATE J

WG 667 U
HOME
58.751 KM
PUSH BUTTON

WG 665 D
HOME
58.750 KM
PUSH BUTTON

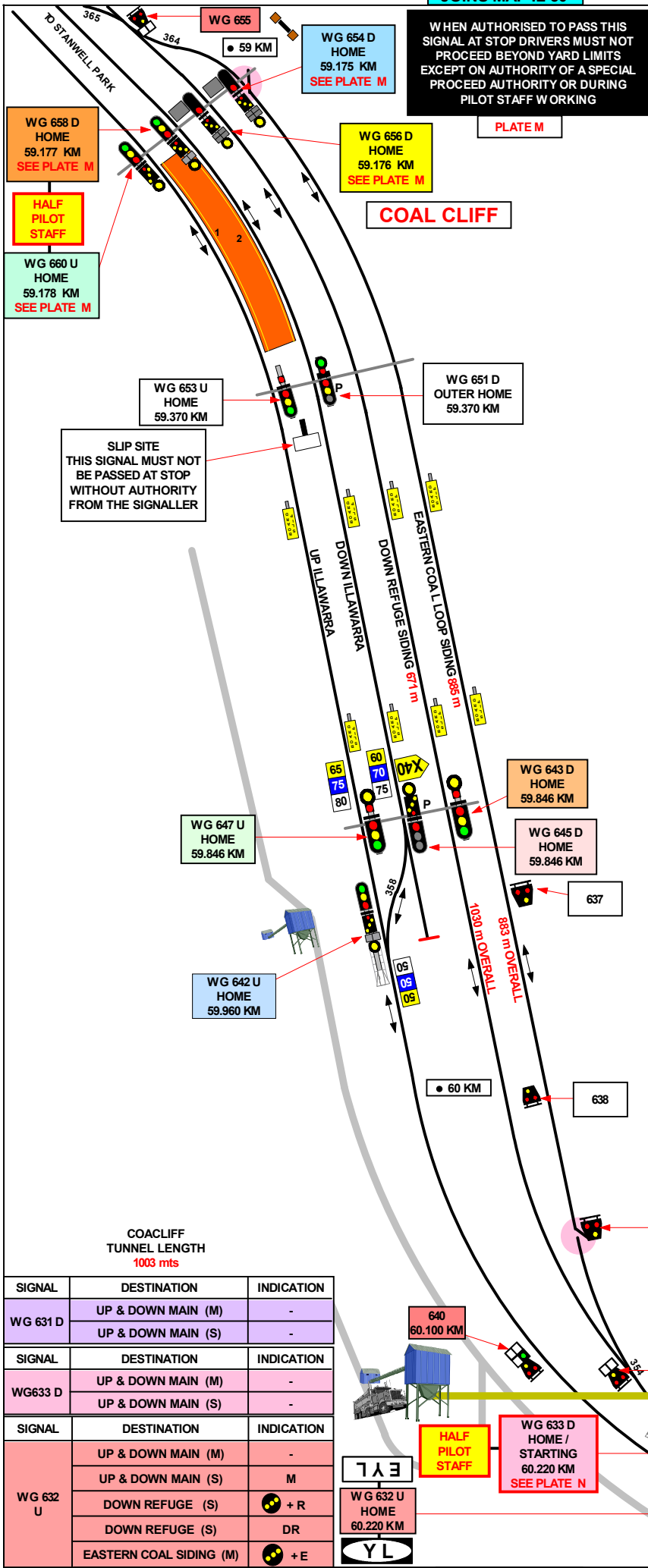
WG 661

WG 655
59.085

SIGNAL	DESTINATION	INDICATION
WG 661	DOWN REFUGE (A)	DR
	DOWN MAIN (B)	DM+GREEN
WG 665	EASTERN COAL SIDINGS (A)	ES
	DOWN REFUGE (B)	DR
WG 665 D	DOWN REFUGE (M)	●●
	DOWN MAIN (M)	-
	DOWN MAIN (S)	-
	UP MAIN (M)	●●
WG 667 U	DOWN REFUGE (M)	●● + R
	DOWN MAIN (S)	●● + D
	DOWN MAIN (S)	-
	UP MAIN (M)	-

JOINS MAP IL 30

GRADIENT



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

PLATE M

SECTION : **COALCLIFF AND YARD TO COALCLIFF TUNNEL**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO: 15 December 2019

INFORMATION

CONTROLLED FROM : **WOLLONGONG**
 RADIO AREA CODE : **010**

SPECIAL POINTS OF INTEREST

HALF PILOT STAFFS

HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE HOME / STARTING SIGNALS FOR THE OTFORD - COALCLIFF AND COALCLIFF - SCARBOROUGH SECTIONS.

THE HALF PILOT STAFF'S FOR THE SECTION OTFORD-COALCLIFF ARE INSCRIBED " **COALCLIFF DOWN MAIN WG 658** " AND " **COALCLIFF UP MAIN WG 660** ".

THE HALF PILOT STAFF FOR THE SECTION COALCLIFF - SCARBOROUGH IS INSCRIBED " **COALCLIFF WG 633** "

EMERGENCY (DRIVER'S) TIME RELEASE PUSH BUTTON

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS Nos " **WG 665** " AND " **WG 667** ".

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED " **EMERGENCY TIME RELEASE** ", WHICH IS ATTACHED TO THE SIGNALS OR POST NEAR THE SIGNALS.

TERMINATING TRAINS

TERMINATING TRAINS MOVEMENTS ARE AUTHORIZED WITHIN YARD LIMITS

SIGNAL	DESTINATION	INDICATION
WG 634	DOWN REFUGE	--
	EASTERN COAL SIDING	--

SIGNAL	DESTINATION	INDICATION
WG 645 D	UP & DOWN MAIN (M)	●●
	UP & DOWN MAIN (S)	----

SIGNAL	DESTINATION	INDICATION
WG 640 U	UP & DOWN MAIN (M)	M + GREEN
	UP & DOWN MAIN (S)	----

SIGNAL	DESTINATION	INDICATION
WG 643 U	DOWN REFUGE (M)	--
	DOWN REFUGE (S)	--

SIGNAL	DESTINATION	INDICATION
WG 647 U	UP & DOWN MAIN (M)	--
	UP & DOWN MAIN (S)	--

SIGNAL	DESTINATION	INDICATION
WG 642 U	UP MAIN (M)	-
	DOWN MAIN (M)	●●
	UP MAIN (S)	UM
	DOWN MAIN (S)	DM

COALCLIFF TUNNEL LENGTH 1003 mts

SIGNAL	DESTINATION	INDICATION
WG 631 D	UP & DOWN MAIN (M)	-
	UP & DOWN MAIN (S)	-
WG 633 D	UP & DOWN MAIN (M)	-
	UP & DOWN MAIN (S)	-
WG 632 U	UP & DOWN MAIN (M)	-
	UP & DOWN MAIN (S)	M
	DOWN REFUGE (S)	●● + R
	DOWN REFUGE (S)	DR
	EASTERN COAL SIDING (M)	●● + E

THIS SIGNAL MUST NOT BE PASSED AT STOP EXCEPT ON THE AUTHORITY OF A SPECIAL PROCEED AUTHORITY OR DURING PILOT STAFF WORKING

PLATE N

1 IN 80

1 IN 100

JOINS MAP IL 32

SECTION : COAL CLIFF TUNNEL TO SCARBOROUGH
 MAP SET : CENTRAL TO NOWRA
 UPDATED : 11 January 2017

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 010

SPECIAL POINTS OF INTEREST

EMERGENCY (DRIVER'S) TIME RELEASE PUSHBUTTON

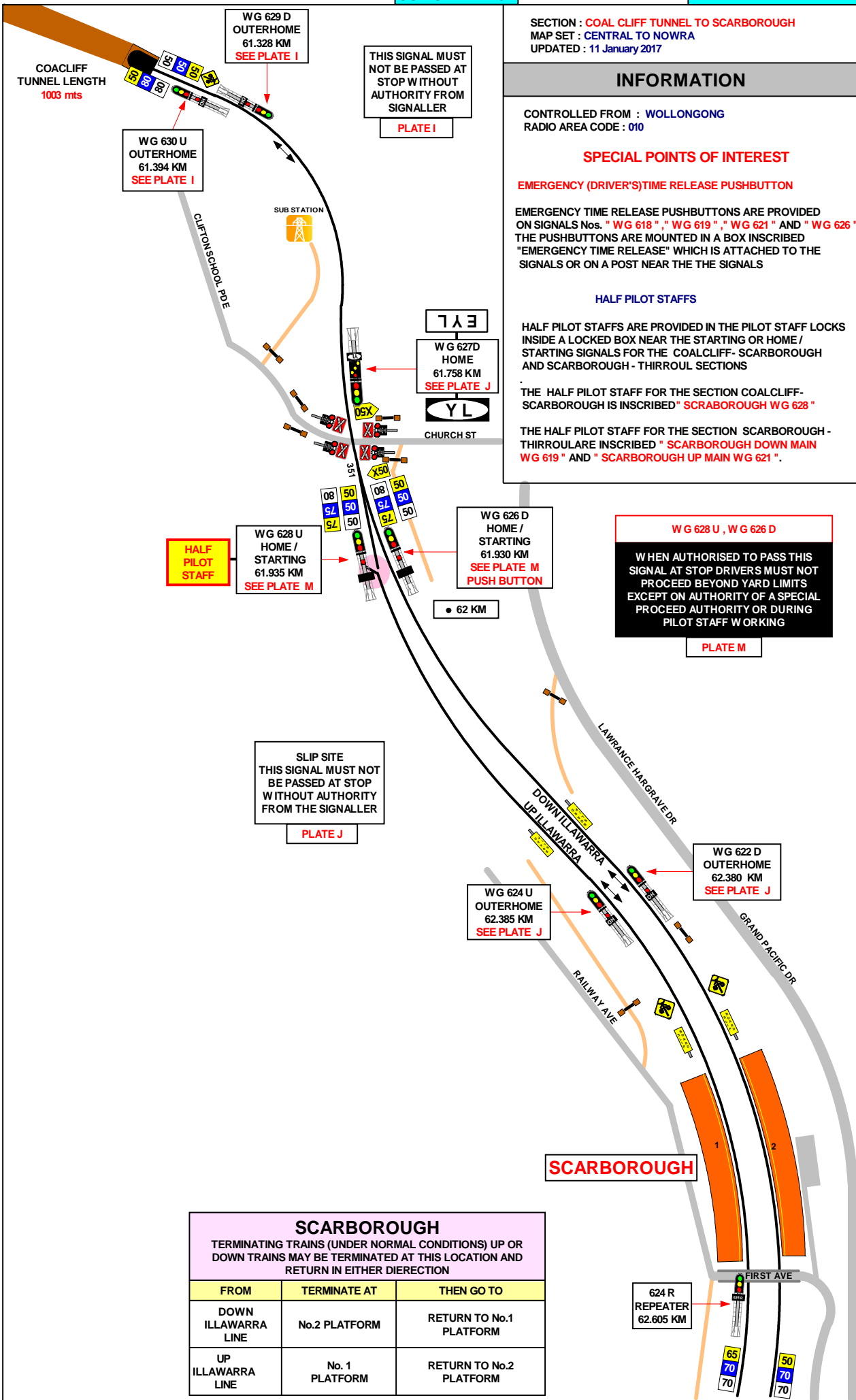
EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS Nos. "WG 618", "WG 619", "WG 621" AND "WG 626". THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE" WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE THE SIGNALS

HALF PILOT STAFFS

HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE STARTING OR HOME / STARTING SIGNALS FOR THE COALCLIFF- SCARBOROUGH AND SCARBOROUGH - THIRROUL SECTIONS

THE HALF PILOT STAFF FOR THE SECTION COALCLIFF- SCARBOROUGH IS INSCRIBED "SCARBOROUGH WG 628"

THE HALF PILOT STAFF FOR THE SECTION SCARBOROUGH - THIRROUL ARE INSCRIBED "SCARBOROUGH DOWN MAIN WG 619" AND "SCARBOROUGH UP MAIN WG 621".



GRADIENT

1 IN 47

1 IN 50

1 IN 206

1 IN 124

1 IN 122

HALF PILOT STAFF

WG 628 U
 HOME /
 STARTING
 61.935 KM
 SEE PLATE M

WG 626 D
 HOME /
 STARTING
 61.930 KM
 SEE PLATE M
 PUSH BUTTON

WG 628 U, WG 626 D

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

PLATE M

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

PLATE J

WG 624 U
 OUTERHOME
 62.385 KM
 SEE PLATE J

WG 622 D
 OUTERHOME
 62.380 KM
 SEE PLATE J

SCARBOROUGH

SCARBOROUGH		
TERMINATING TRAINS (UNDER NORMAL CONDITIONS) UP OR DOWN TRAINS MAY BE TERMINATED AT THIS LOCATION AND RETURN IN EITHER DIRECTION		
FROM	TERMINATE AT	THEN GO TO
DOWN ILLAWARRA LINE	No.2 PLATFORM	RETURN TO No.1 PLATFORM
UP ILLAWARRA LINE	No. 1 PLATFORM	RETURN TO No.2 PLATFORM

SECTION : **SCARBOROUGH TO WOMBARRA**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED : 11 January 2017

INFORMATION

CONTROLLED FROM : **WOOLLONGONG**
 RADIO AREA CODE : **010**

SPECIAL POINTS OF INTEREST

EMERGENCY (DRIVER'S) TIME RELEASE PUSHBUTTON

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS Nos., " **WG 618** " AND " **WG 616** " THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE" WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE THE SIGNALS

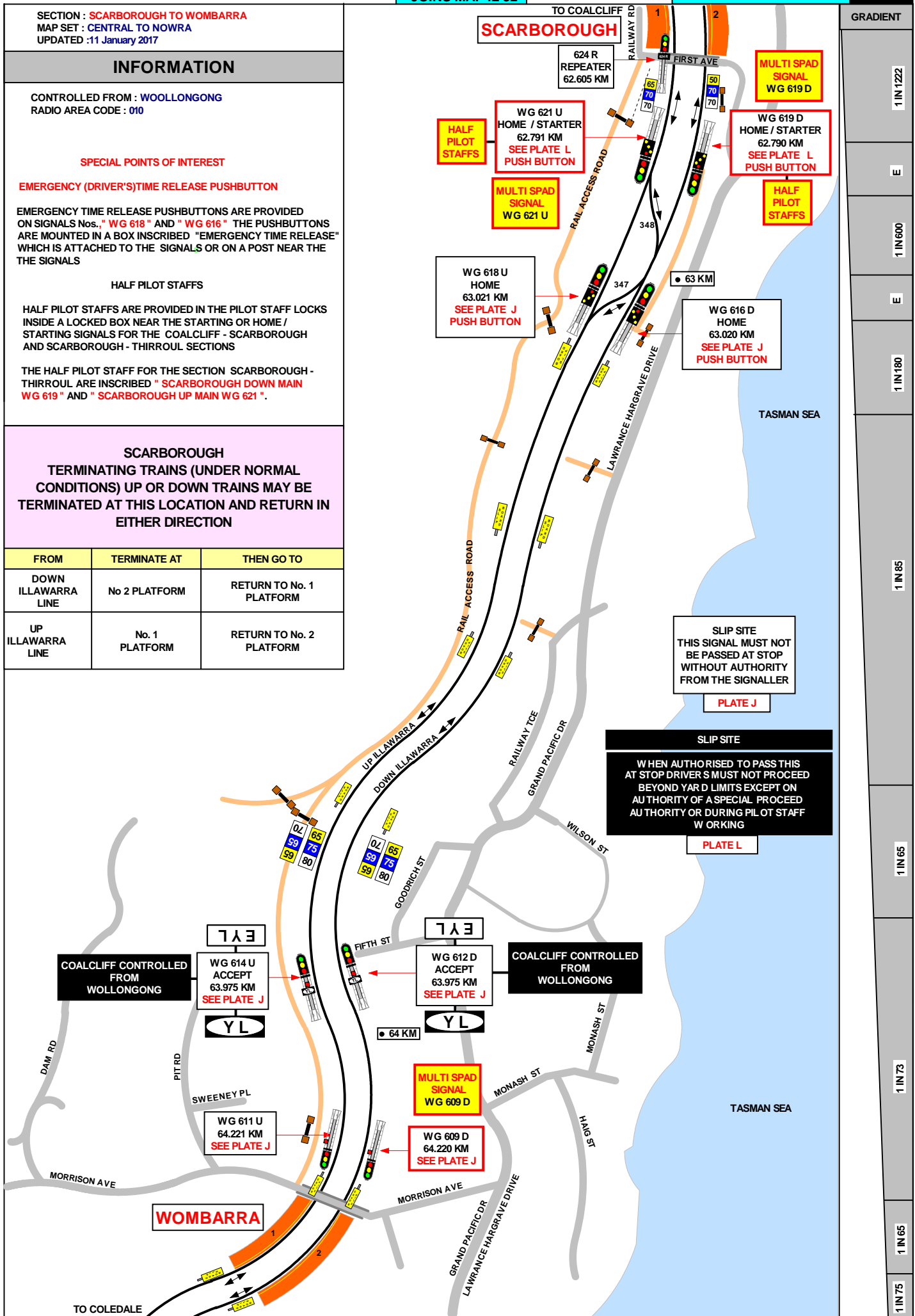
HALF PILOT STAFFS

HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE STARTING OR HOME / STARTING SIGNALS FOR THE COALCLIFF - SCARBOROUGH AND SCARBOROUGH - THIRROUL SECTIONS

THE HALF PILOT STAFF FOR THE SECTION SCARBOROUGH - THIRROUL ARE INSCRIBED " **SCARBOROUGH DOWN MAIN WG 619** " AND " **SCARBOROUGH UP MAIN WG 621** " .

SCARBOROUGH TERMINATING TRAINS (UNDER NORMAL CONDITIONS) UP OR DOWN TRAINS MAY BE TERMINATED AT THIS LOCATION AND RETURN IN EITHER DIRECTION

FROM	TERMINATE AT	THEN GO TO
DOWN ILLAWARRA LINE	No 2 PLATFORM	RETURN TO No. 1 PLATFORM
UP ILLAWARRA LINE	No. 1 PLATFORM	RETURN TO No. 2 PLATFORM



SLIP SITE
 THIS SIGNAL MUST NOT BE PASSED AT STOP WITHOUT AUTHORITY FROM THE SIGNALLER
PLATE J

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

COALCLIFF CONTROLLED FROM WOOLLONGONG

COALCLIFF CONTROLLED FROM WOOLLONGONG

WOMBARRA

SECTION : WOMBARRA TO COLEDALE
MAP SET : CENTRAL TO NOWRA
UPDATED : 30 September 2022

GRADIENT

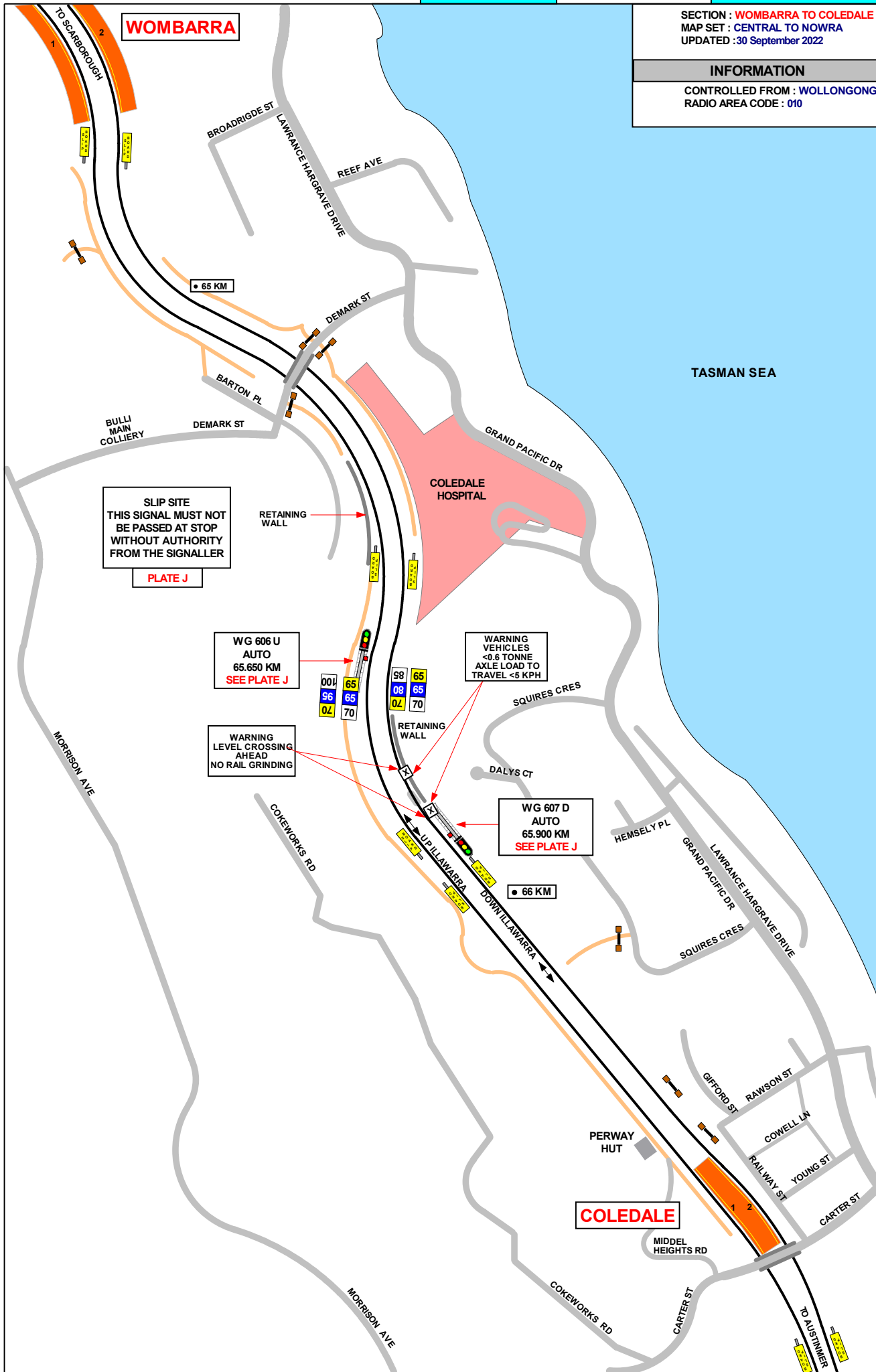
INFORMATION

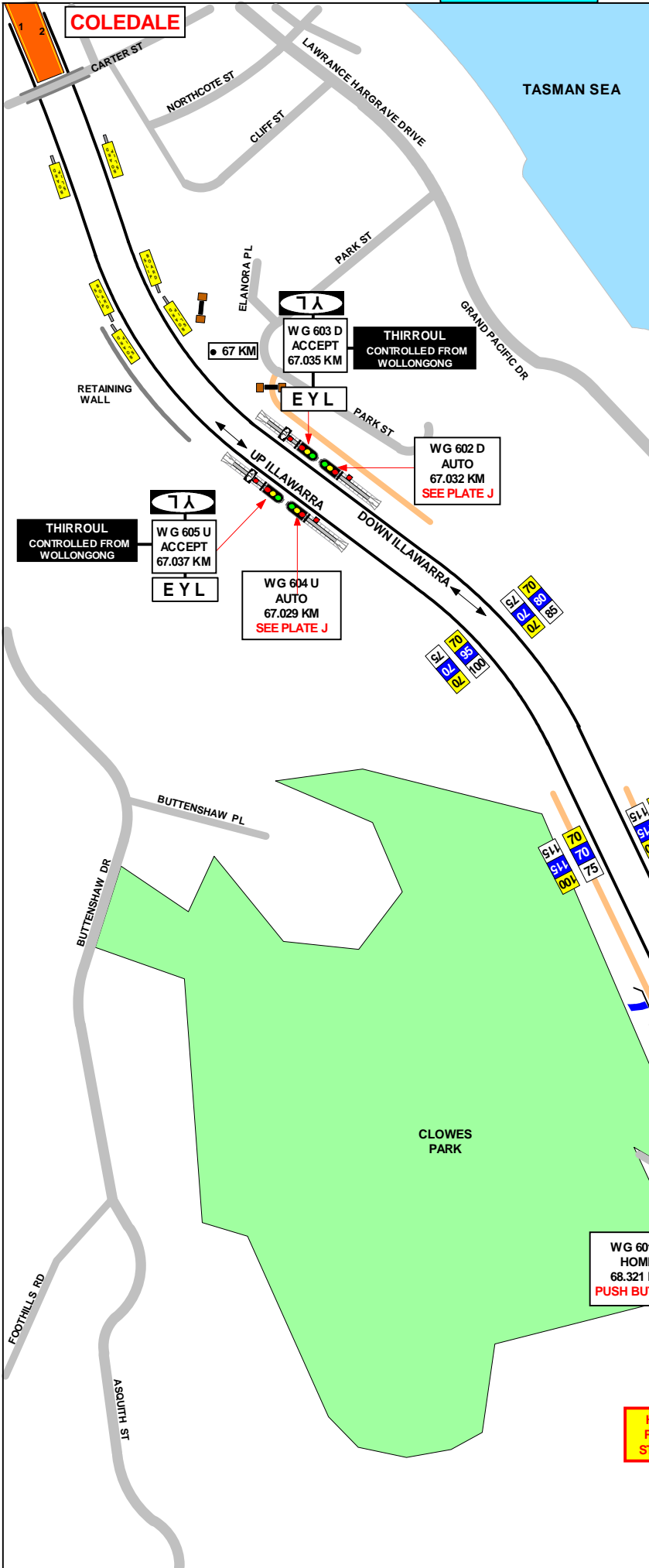
CONTROLLED FROM : WOLLONGONG
RADIO AREA CODE : 010

1 IN 68

1 IN 75

L





SECTION : COALDALE TO AUSTINMER
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 17 October 2014

INFORMATION

CONTROLLED FROM : WOLLONGONG

RADIO AREA CODE : 010

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF
 HALF PILOT STAFF ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE STARTING OR HOME / STARTING SIGNALS FOR THE SCARBOROUGH - THIRROUL AND THIRROUL - CORRINMAL SECTIONS.

THE HALF PILOT STAFF FOR THE SECTION SCARBOROUGH - THIRROUL ARE INSCRIBED "AUSTINMER DOWN MAIN WG 598 " AND "AUSTINMER UP MAIN WG 600 "

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS " WG 598 D , WG 599 D , WG 600 U AND WG 601 U".

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE ", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

TRAINS TERMINATING AT AUSTINMER

TERMINATING MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS

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

PLATE M

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

PLATE J

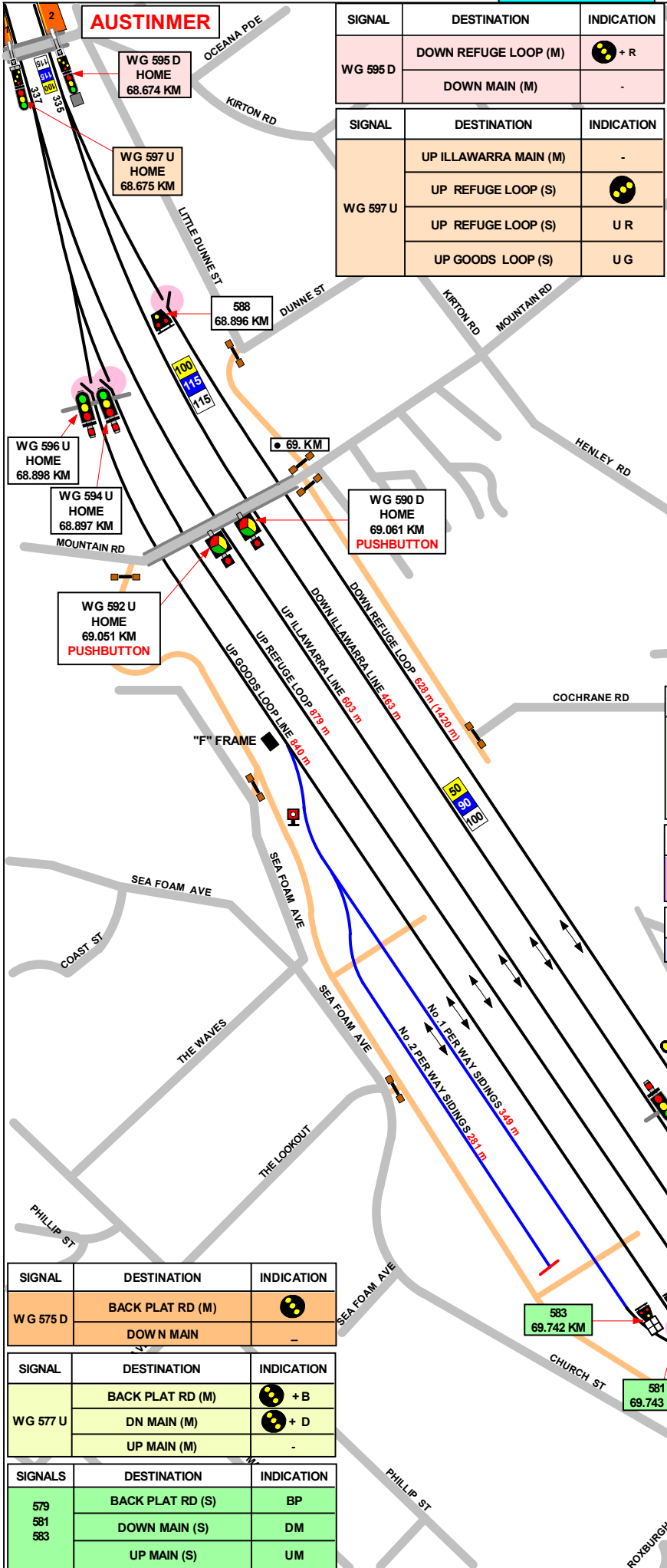
HALF PILOT STAFFS

HALF PILOT STAFFS

AUSTINMER

GRADIENT	
1 IN 85	E
1 IN 1330	E
1 IN 264	E
1 IN 154	L
1 IN 86	L
1 IN 117	L
1 IN 96	L
1 IN 107	L
E	E

GRADIENT



SIGNAL	DESTINATION	INDICATION
WG 595 D	DOWN REFUGE LOOP (M)	+ R
	DOWN MAIN (M)	-

SIGNAL	DESTINATION	INDICATION
WG 597 U	UP ILLAWARRA MAIN (M)	-
	UP REFUGE LOOP (S)	+ R
	UP REFUGE LOOP (S)	U R
	UP GOODS LOOP (S)	U G

SECTION : **AUSTINMER TO THIRROUL**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : 13 September 2021

INFORMATION

CONTROLLED FROM : **WOLLONGONG**
 RADIO AREA CODE : 010
SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

HALF PILOT STAFF ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE STARTING OR HOME / STARTING SIGNALS FOR THE SCARBOROUGH - THIRROUL AND THIRROUL - CORRIMAL SECTIONS.

THE HALF PILOT STAFFS FOR THE SECTION SCARBOROUGH - THIRROUL ARE INSCRIBED "AUSTINMER DOWN MAIN WG 598" AND "AUSTINMER UP MAIN WG 600"

THE HALF PILOT STAFFS FOR THE SECTION THIRROUL - CORRIMAL ARE INSCRIBED "THIRROUL DOWN MAIN WG 551" AND "THIRROUL UP MAIN WG 553"

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS " WG 598 D , WG 577 D ,WG 575 D WG 592 U AND WG 590 U".

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

TRAINS TERMINATING AT AUSTINMER
 TERMINATING MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS

TRAINS TERMINATING AT THIRROUL
 TERMINATING MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS

SIGNAL	DESTINATION	INDICATION
WG 587 D	DN REFUGE LOOP (S)	-
	DN REFUGE LOOP (M)	-
	DOWN ILLAWARRA MAIN (M)	+ R

SIGNAL	DESTINATION	INDICATION
584	DN ILLAWARRA MAIN (A)	M + GREEN
	DN REFUGE LOOP (B)	R

SIGNAL	DESTINATION	INDICATION
582	DN REFUGE LOOP (A)	DR

WG 587 D HOME	69.530 KM	
WG 589 D HOME	69.530 KM	MULTI SPAD SIGNAL WG 589 D

582	69.740 KM	
WG 576 D HOME	69.879 KM	PUSHBUTTON

583	69.742 KM	
581	69.743 KM	
579	69.805 KM	
WG 577 U HOME	69.879 KM	PUSHBUTTON

SIGNALS	DESTINATION	INDICATION
579	BACK PLAT RD (S)	BP
581	DOWN MAIN (S)	DM
583	UP MAIN (S)	UM

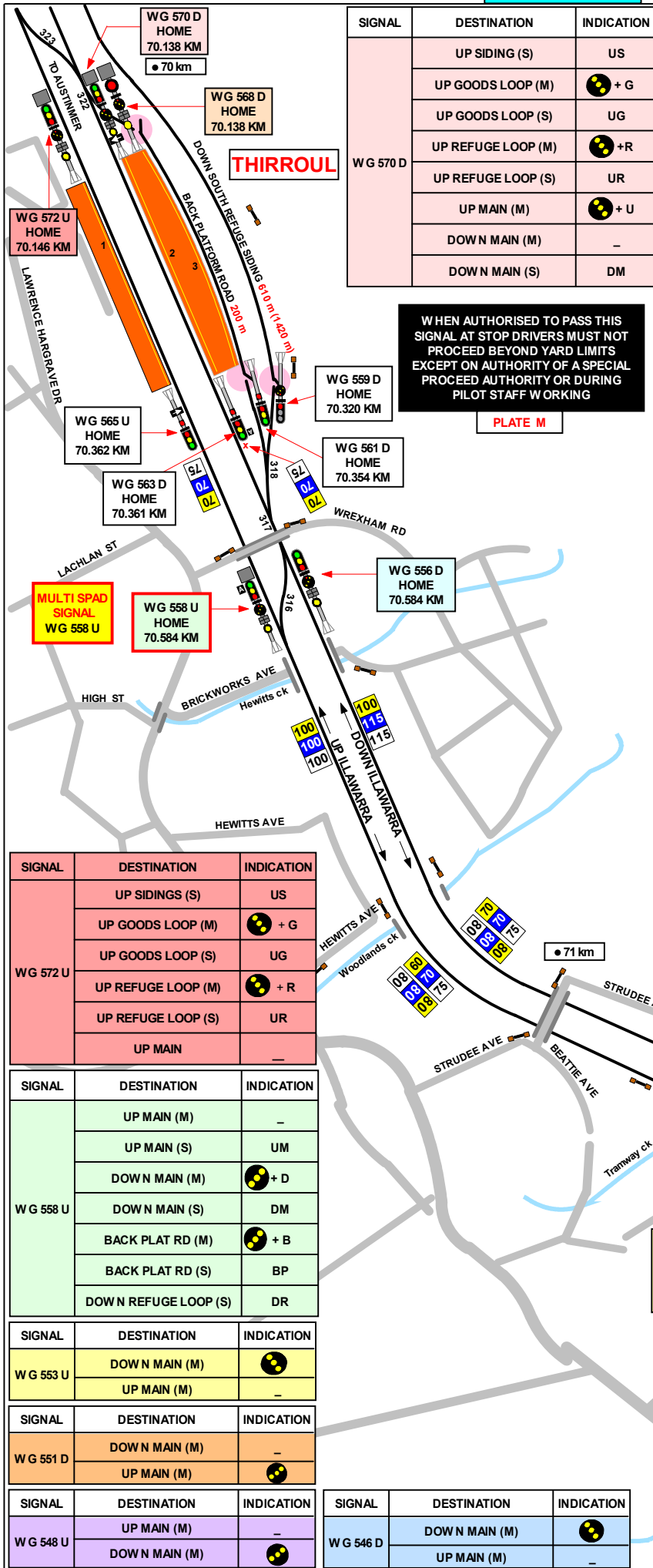
SIGNAL	DESTINATION	INDICATION
WG 575 D	BACK PLAT RD (M)	+ R
	DOWN MAIN	-

SIGNAL	DESTINATION	INDICATION
WG 577 U	BACK PLAT RD (M)	+ B
	DN MAIN (M)	+ D
	UP MAIN (M)	-

SIGNALS	DESTINATION	INDICATION
579	BACK PLAT RD (S)	BP
581	DOWN MAIN (S)	DM
583	UP MAIN (S)	UM

1 IN 196
E
1 IN 196
E
1 IN 147
E
1 IN 132
E
1 IN 240
E
1 IN 440
L
1 IN 568

JOINS MAP IL36



SIGNAL	DESTINATION	INDICATION
WG 570 D	UP SIDING (S)	US
	UP GOODS LOOP (M)	+ G
	UP GOODS LOOP (S)	UG
	UP REFUGE LOOP (M)	+ R
	UP REFUGE LOOP (S)	UR
	UP MAIN (M)	+ U
	DOWN MAIN (M)	-
	DOWN MAIN (S)	DM

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

PLATE M

SECTION : THIRROUL TO BULLI
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 26 June 2021

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 010

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

HALF PILOT STAFF ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE STARTING OR HOME / STARTING SIGNALS FOR THE SCARBOROUGH - THIRROUL AND THIRROUL - CORRIMAL SECTIONS.

THE HALF PILOT STAFFS FOR THE SECTION SCARBOROUGH - THIRROUL ARE INSCRIBED "AUSTINMER DOWN MAIN WG 598 " AND "AUSTINMER UP MAIN WG 600 "

THE HALF PILOT STAFFS FOR THE SECTION THIRROUL - CORRIMAL ARE INSCRIBED "THIRROUL DOWN MAIN WG 551" AND "THIRROUL UP MAIN WG 553"

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS WG 575 D WG 592 U AND WG 590 U".

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

TRAINS TERMINATING AT THIRROUL
 TERMINATING MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS

SIGNAL	DESTINATION	INDICATION
WG 568 D	UP SIDING (S)	US
	UP GOODS LOOP (S)	UG
	UP REFUGE LOOP (S)	UR
	UP MAIN (M)	+ U
	DOWN MAIN (M)	+ D

SIGNAL	DESTINATION	INDICATION
WG 556 D	DOWN MAIN (M)	-
	DOWN MAIN (S)	DM
	BACK PLAT RD (M)	+ B
	BACK PLAT RD (S)	BP
	DOWN REFUGE LOOP (S)	DR

SIGNAL	DESTINATION	INDICATION
WG 572 U	UP SIDINGS (S)	US
	UP GOODS LOOP (M)	+ G
	UP GOODS LOOP (S)	UG
	UP REFUGE LOOP (M)	+ R
	UP REFUGE LOOP (S)	UR
	UP MAIN	-

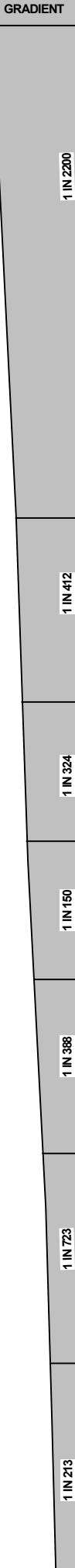
SIGNAL	DESTINATION	INDICATION
WG 558 U	UP MAIN (M)	-
	UP MAIN (S)	UM
	DOWN MAIN (M)	+ D
	DOWN MAIN (S)	DM
	BACK PLAT RD (M)	+ B
	BACK PLAT RD (S)	BP
DOWN REFUGE LOOP (S)	DR	

SIGNAL	DESTINATION	INDICATION
WG 553 U	DOWN MAIN (M)	+ D
	UP MAIN (M)	-

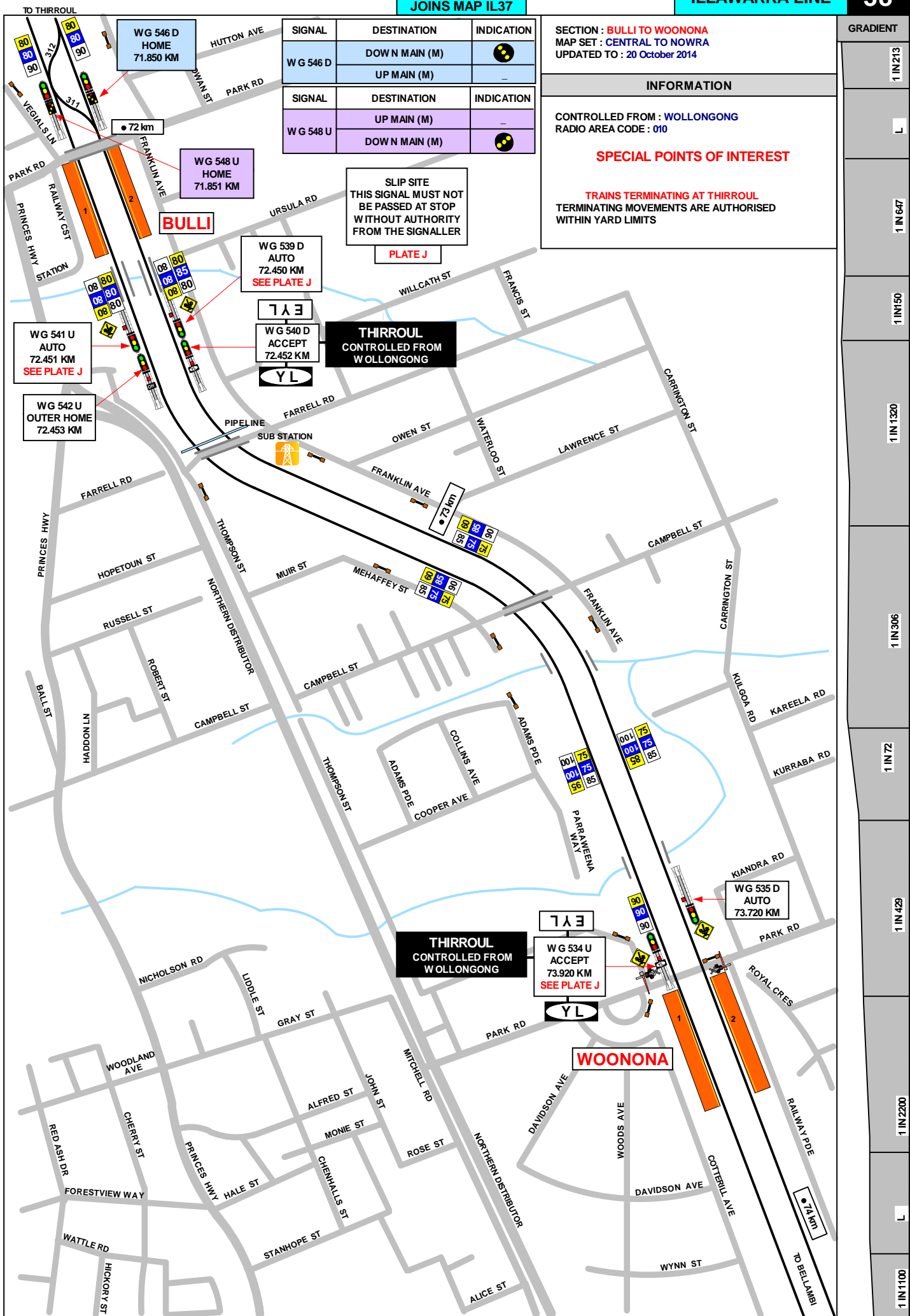
SIGNAL	DESTINATION	INDICATION
WG 551 D	DOWN MAIN (M)	-
	UP MAIN (M)	+ U

SIGNAL	DESTINATION	INDICATION
WG 548 U	UP MAIN (M)	-
	DOWN MAIN (M)	+ D

SIGNAL	DESTINATION	INDICATION
WG 546 D	DOWN MAIN (M)	+ D
	UP MAIN (M)	-



JOINS MAP IL38



SIGNAL	DESTINATION	INDICATION
WG 546 D	DOW N MAIN (M)	●
	UP MAIN (M)	-
WG 548 U	UP MAIN (M)	-
	DOW N MAIN (M)	●

SECTION : **BULLI TO WOONONA**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : 20 October 2014

GRADIENT

INFORMATION

CONTROLLED FROM : **WOLLONGONG**
 RADIO AREA CODE : 010

SPECIAL POINTS OF INTEREST

TRAINS TERMINATING AT THIRROUL
 TERMINATING MOVEMENTS ARE AUTHORISED
 WITHIN YARD LIMITS

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

PLATE J

THIRROUL
 CONTROLLED FROM
 WOLLONGONG

THIRROUL
 CONTROLLED FROM
 WOLLONGONG

WOONONA

- 1 IN 213
- 1 IN 213 L
- 1 IN 647
- 1 IN 150
- 1 IN 1320
- 1 IN 306
- 1 IN 72
- 1 IN 429
- 1 IN 2200
- 1 IN 1100 L

SECTION : **WOONONA TO CORRIMAL**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : 8 June 2023

INFORMATION

CONTROLLED FROM : **WOLLONGONG**
 RADIO AREA CODE : **010**
 METHOD OF WORKING : **RAIL VEHICLE DETECTION SYSTEM**

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

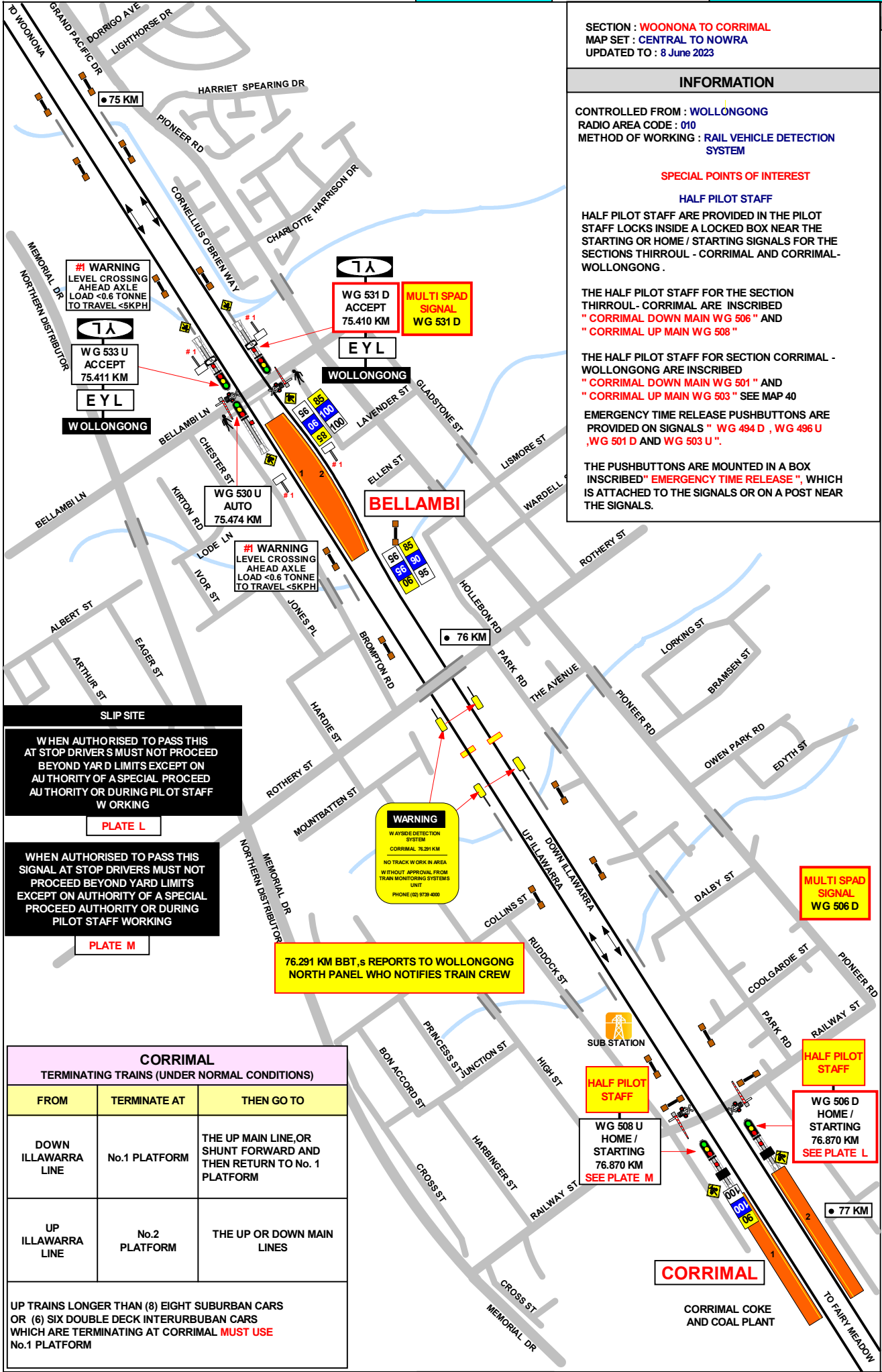
HALF PILOT STAFF ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE STARTING OR HOME / STARTING SIGNALS FOR THE SECTIONS THIRROUL - CORRIMAL AND CORRIMAL - WOLLONGONG .

THE HALF PILOT STAFF FOR THE SECTION THIRROUL - CORRIMAL ARE INSCRIBED " **CORRIMAL DOWN MAIN WG 506** " AND " **CORRIMAL UP MAIN WG 508** "

THE HALF PILOT STAFF FOR SECTION CORRIMAL - WOLLONGONG ARE INSCRIBED " **CORRIMAL DOWN MAIN WG 501** " AND " **CORRIMAL UP MAIN WG 503** " SEE MAP 40

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS " **WG 494 D** , **WG 496 U** , **WG 501 D** AND **WG 503 U** " .

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED " **EMERGENCY TIME RELEASE** " , WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.



#1 WARNING
 LEVEL CROSSING
 AHEAD AXLE
 LOAD <0.6 TONNE
 TO TRAVEL <5KPH

WG 531 D
 ACCEPT
 75.410 KM
**MULTI SPAD
 SIGNAL
 WG 531 D**

WG 533 U
 ACCEPT
 75.411 KM
EYL
WOLLONGONG

WG 530 U
 AUTO
 75.474 KM

#1 WARNING
 LEVEL CROSSING
 AHEAD AXLE
 LOAD <0.6 TONNE
 TO TRAVEL <5KPH

WARNING
 WAYSIDE DETECTION
 SYSTEM
 CORRIMAL 76.291 KM
 NO TRACK WORK IN AREA
 WITHOUT APPROVAL FROM
 TRAIN MONITORING SYSTEMS
 UNIT
 PHONE (02) 9739 4000

**76.291 KM BBT,s REPORTS TO WOLLONGONG
 NORTH PANEL WHO NOTIFIES TRAIN CREW**

**MULTI SPAD
 SIGNAL
 WG 506 D**

**HALF PILOT
 STAFF**
 WG 508 U
 HOME /
 STARTING
 76.870 KM
SEE PLATE M

**HALF PILOT
 STAFF**
 WG 506 D
 HOME /
 STARTING
 76.870 KM
SEE PLATE L

CORRIMAL

CORRIMAL COKE
 AND COAL PLANT

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

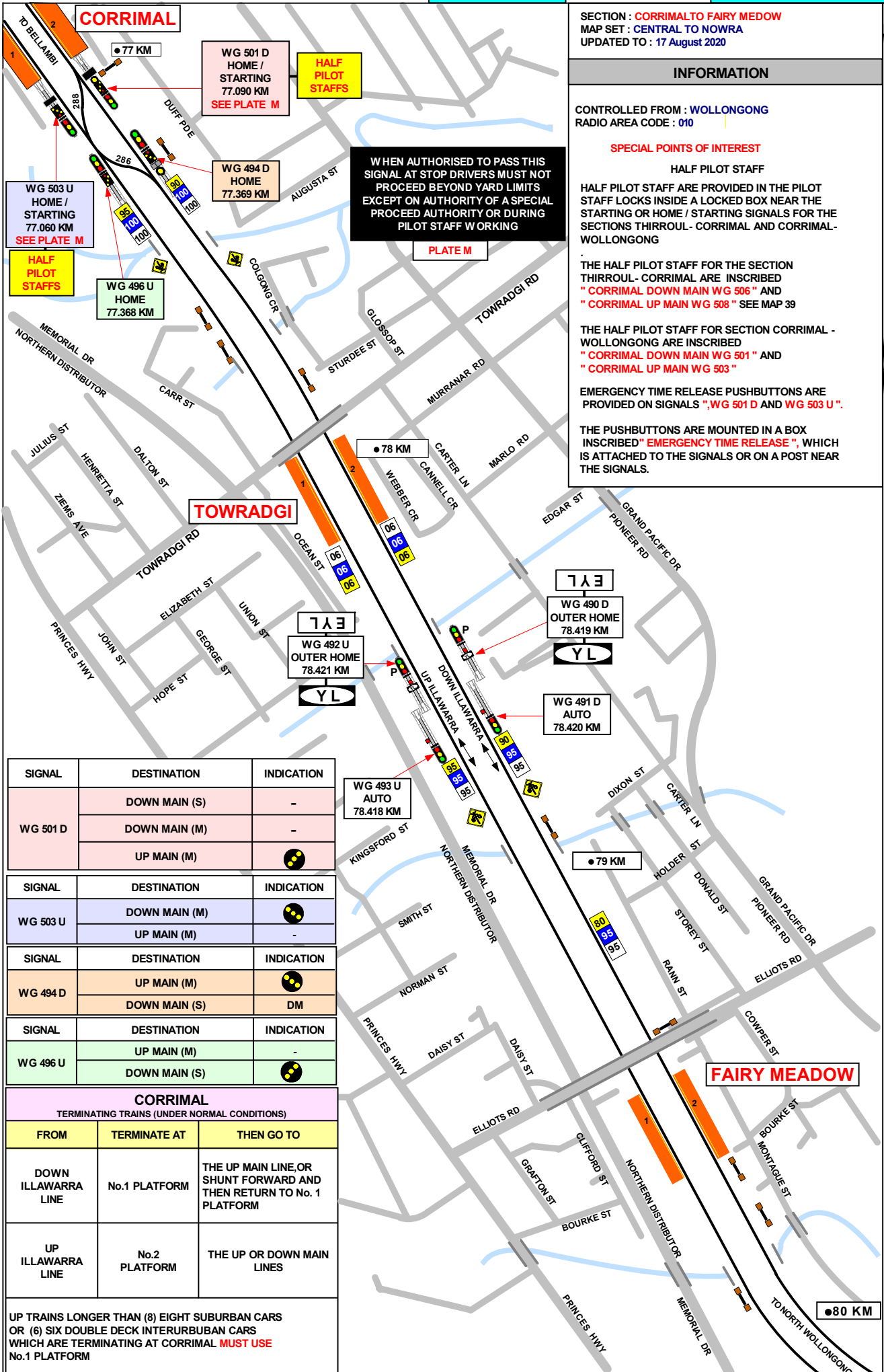
PLATE L

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

PLATE M

CORRIMAL TERMINATING TRAINS (UNDER NORMAL CONDITIONS)		
FROM	TERMINATE AT	THEN GO TO
DOWN ILLAWARRA LINE	No.1 PLATFORM	THE UP MAIN LINE, OR SHUNT FORWARD AND THEN RETURN TO No. 1 PLATFORM
UP ILLAWARRA LINE	No.2 PLATFORM	THE UP OR DOWN MAIN LINES

UP TRAINS LONGER THAN (8) EIGHT SUBURBAN CARS OR (6) SIX DOUBLE DECK INTERURBUBAN CARS WHICH ARE TERMINATING AT CORRIMAL **MUST USE** No.1 PLATFORM



SECTION : CORRIMAL TO FAIRY MEADOW
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 17 August 2020

GRADIENT

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 010

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

HALF PILOT STAFF ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE STARTING OR HOME / STARTING SIGNALS FOR THE SECTIONS THIRROUL - CORRIMAL AND CORRIMAL - WOLLONGONG

THE HALF PILOT STAFF FOR THE SECTION THIRROUL - CORRIMAL ARE INSCRIBED "CORRIMAL DOWN MAIN WG 506" AND "CORRIMAL UP MAIN WG 508" SEE MAP 39

THE HALF PILOT STAFF FOR SECTION CORRIMAL - WOLLONGONG ARE INSCRIBED "CORRIMAL DOWN MAIN WG 501" AND "CORRIMAL UP MAIN WG 503"

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS "WG 501 D AND WG 503 U".

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

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
WG 501 D	DOWN MAIN (S)	-
	DOWN MAIN (M)	-
	UP MAIN (M)	●●●

SIGNAL	DESTINATION	INDICATION
WG 503 U	DOWN MAIN (M)	●●●
	UP MAIN (M)	-

SIGNAL	DESTINATION	INDICATION
WG 494 D	UP MAIN (M)	●●●
	DOWN MAIN (S)	DM

SIGNAL	DESTINATION	INDICATION
WG 496 U	UP MAIN (M)	-
	DOWN MAIN (S)	●●●

CORRIMAL		
TERMINATING TRAINS (UNDER NORMAL CONDITIONS)		
FROM	TERMINATE AT	THEN GO TO
DOWN ILLAWARRA LINE	No.1 PLATFORM	THE UP MAIN LINE, OR SHUNT FORWARD AND THEN RETURN TO No. 1 PLATFORM
UP ILLAWARRA LINE	No.2 PLATFORM	THE UP OR DOWN MAIN LINES

UP TRAINS LONGER THAN (8) EIGHT SUBURBAN CARS OR (6) SIX DOUBLE DECK INTERURBUBAN CARS WHICH ARE TERMINATING AT CORRIMAL **MUST USE** No.1 PLATFORM

1 IN 99

1 IN 116

1 IN 107

1 IN 116

1 IN 904

1 IN 880

1 IN 2000

SECTION : FAIRY MEADOW TO WOLLONGONG
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 26 March 2024

GRADIENT

INFORMATION

CONTROLLED FROM : WOLLONGONG

RADIO AREA CODE : 010 / 011

SPECIAL POINTS OF INTEREST

TWO SHUNTING LIMIT SIGNS ARE PROVIDED AT WOLLONGONG . THE SIGNS ARE LOCATED AS FOLLOWING .

ON THE DOWN SIDE OF THE DOWN MAIN LINE APPROXIMATELY 200 METERS ON THE SYDNEY SIDE OF SIGNAL No. WG 475 D . THIS SIGN IS INSCRIBED "LIMIT OF SHUNT ON DOWN MAIN". AND APPLIES TO TRAINS SHUNTING IN THE UP DIRECTION ON THE DOWN MAIN LINE.

ON THE UP SIDE OF THE UP MAIN LINE APPROXIMATELY 200 METERS ON THE SYDNEY SIDE OF SIGNAL WG 477 U . THIS SIGN IS INSCRIBED "LIMIT OF SHUNT ON THE UP MAIN LINE" AND APPLIES TO TRAINS SHUNTING IN THE UP DIRECTION ON THE UP MAIN LINE .

A SHUNT AHEAD SIGNAL IS PROVIDED ON SIGNALS No. WG 466 D AND No. WG 468 U TO ALLOW SHUNTING MOVEMENTS TO TAKE PLACE PAST THESE SIGNALS AS FAR AS THE SHUNTING LIMIT SIGNS

HALF PILOT STAFF

HALF PILOT STAFF ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE STARTING OR HOME / STARTING SIGNALS FOR THE CORRIMAL- WOLLONGONG SECTIONS.

THE HALF PILOT STAFF FOR THE SECTION CORRIMAL - WOLLONGONG ARE INSCRIBED " WOLLONGONG UP MAIN WG 468 "

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS " WG 411 D , WG 413 U , WG 428 U , WG 430 U , WG 431 D , WG 433 U , WG 475 D AND WG 477 U ".

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE ", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

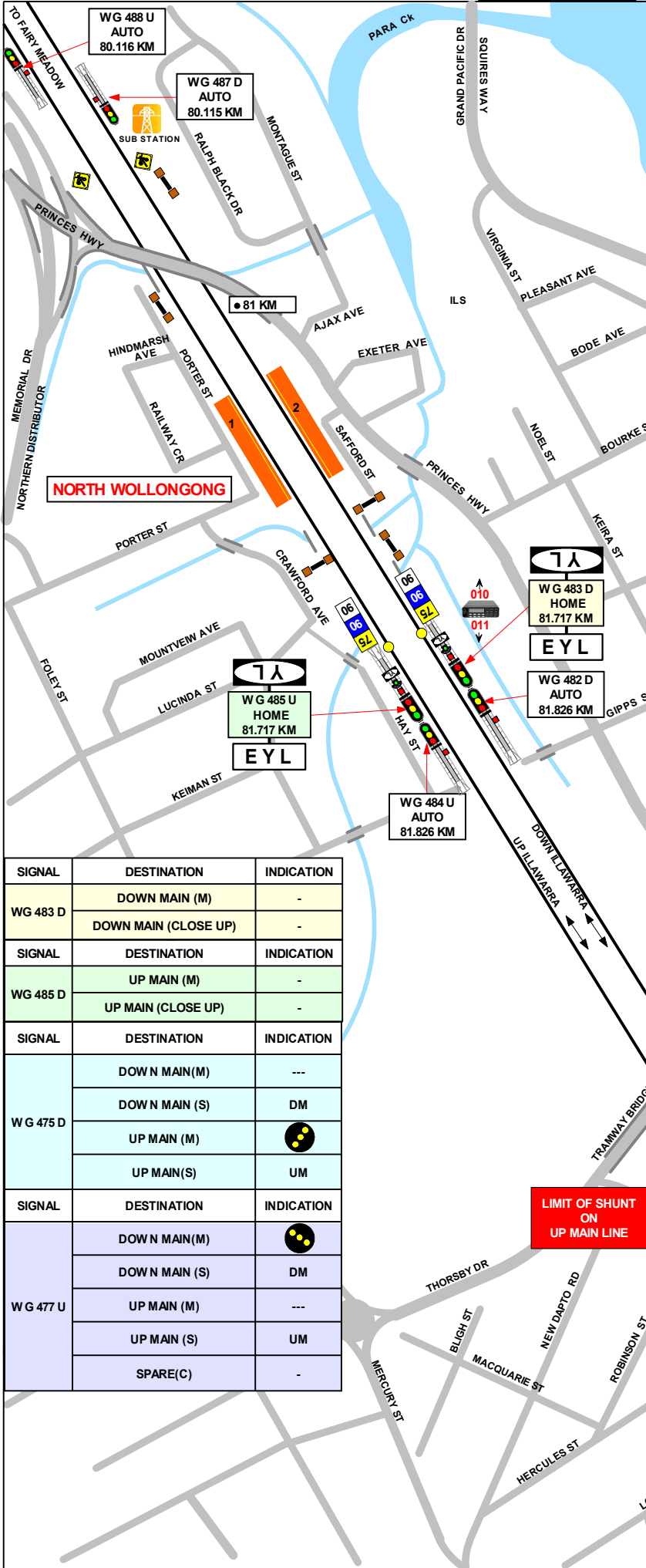
TRAINS TERMINATING AT WOLLONGONG

TERMINATING MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS

NLA 416

REFER TO NLA 416 FOR MORE INFORMATION

1 IN 105
1 IN 105
1 IN 413
1 IN 220
1 IN 660
1 IN 330
1 IN 120
1 IN 120
1 IN 236
1 IN 120
1 IN 77
1 IN 70
1 IN 75



SIGNAL	DESTINATION	INDICATION
WG 483 D	DOWN MAIN (M)	-
	DOWN MAIN (CLOSE UP)	-
WG 485 D	UP MAIN (M)	-
	UP MAIN (CLOSE UP)	-
WG 475 D	DOWN MAIN (M)	---
	DOWN MAIN (S)	DM
	UP MAIN (M)	●●●
	UP MAIN (S)	UM
WG 477 U	DOWN MAIN (M)	●●●
	DOWN MAIN (S)	DM
	UP MAIN (M)	---
	UP MAIN (S)	UM
	SPARE (C)	-

SECTION : WOLLONGONG
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 26 March 2024

GRADIENT

INFORMATION

CONTROLLED FROM : WOLLONGONG
RADIO AREA CODE : 011

SPECIAL POINTS OF INTEREST
NLA 416
REFER TO NLA 416 FOR MORE INFORMATION

BOOKED OUT OF USE

1 IN 75

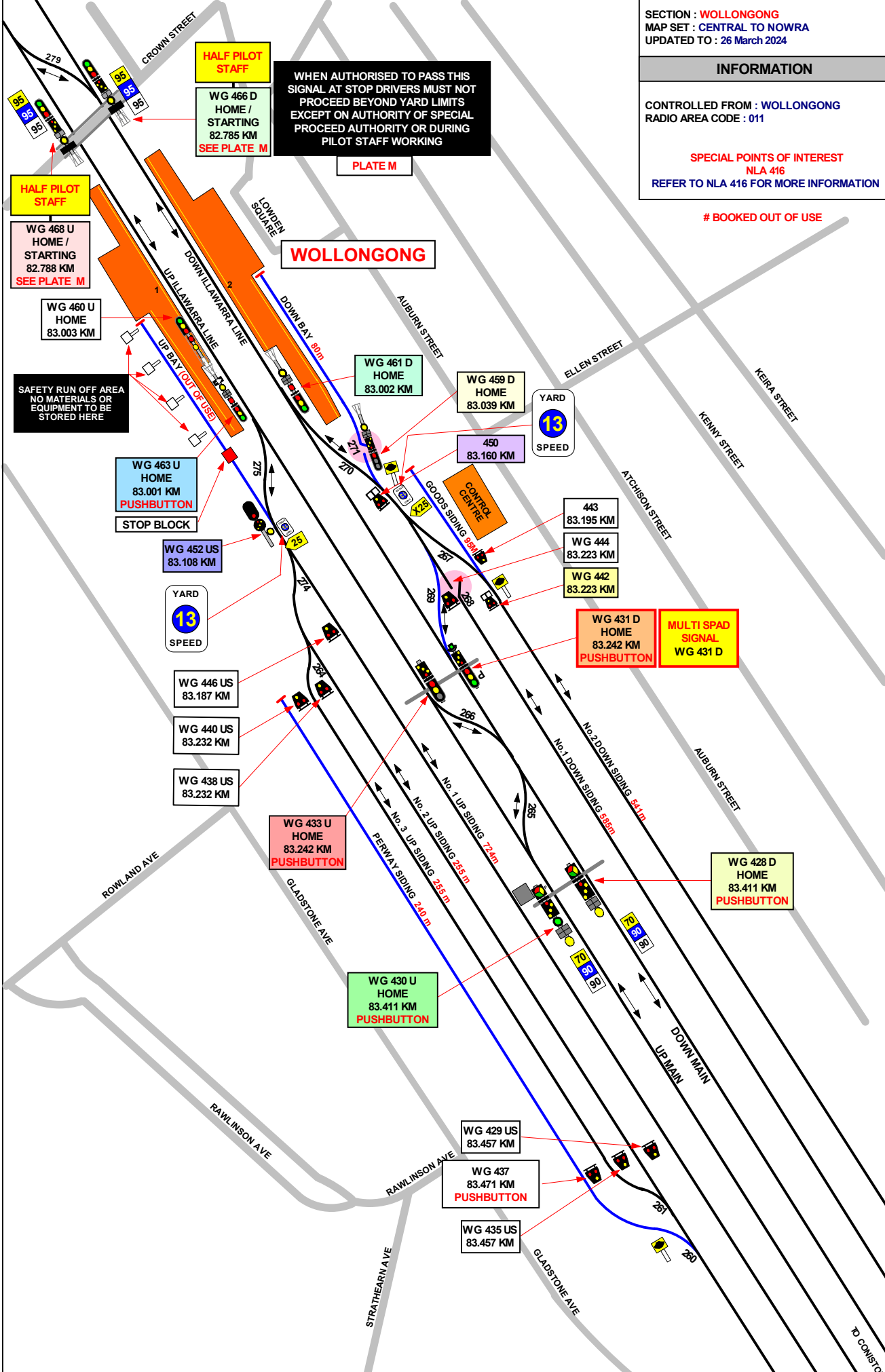
LEVEL

1 IN 413

1 IN 508

LEVEL

1 IN 132



SECTION : **WOLLONGONG**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : **27 March 2024**

SIGNAL	DESTINATION	INDICATION
WG 121 D	DOW N NORTH FORK (M)	
	DOW N PORT KEMBLA (M)	-
	UNANDERRA (M)	

SIGNAL	DESTINATION	INDICATION
WG 125 U	UP NORTH FORK (M)	
	UNANDERRA (M)	

SIGNAL	DESTINATION	INDICATION
WG 406 D	No. 1 UP SIDING (S)	U1
	UP MAIN (S)	UM
	DOW N MAIN (M)	-
	No.1 DOW N SIDING (S)	D1
	No.2 DOW N SIDING (S)	D2

SIGNAL	DESTINATION	INDICATION
WG 408 U	No. 1 UP SIDING (S)	-
	UP MAIN (M)	-

SIGNAL	DESTINATION	INDICATION
WG 409 D	DOW N MAIN (S)	-
	DOW N MAIN (M)	

SIGNAL	DESTINATION	INDICATION
WG 411 D	DOW N MAIN (M)	-
	DOW N MAIN (CLOSE UP)	-

SIGNAL	DESTINATION	INDICATION
WG 413 U	DOW N MAIN (M)	
	UP MAIN (M)	----

SIGNAL	DESTINATION	INDICATION
WG 415 UR	DOW N MAIN(M)	+D
	DOW N MAIN (S)	DM
	UP MAIN (M)	+ U
	UP MAIN(S)	UM

SIGNAL	DESTINATION	INDICATION
WG 424 U	PERW AY SIDING (S)	PS
	No.3 UP SIDING (S)	U3
	No.2 UP SIDING (S)	U2
	No. 1 UP SIDING (S)	U1

INFORMATION

CONTROLLED FROM : **WOLLONGONG**

RADIO AREA CODE : **010**

SPECIAL POINTS OF INTEREST

TWO SHUNTING LIMIT SIGNS ARE PROVIDED AT WOLLONGONG (SEE MAP IL41) . THE SIGNS ARE LOCATED AS FOLLOWING .

ON THE DOWN SIDE OF THE DOWN MAIN LINE APPROXIMATELY 200 METERS ON THE SYDNEY SIDE OF SIGNAL No. WG 475 D . THIS SIGN IS INSCRIBED "LIMIT OF SHUNT ON DOWN MAIN". AND APPLIES TO TRAINS SHUNTING IN THE UP DIRECTION ON THE DOWN MAIN LINE.

ON THE UP SIDE OF THE UP MAIN LINE APPROXIMATELY 200 METERS ON THE SYDNEY SIDE OF SIGNAL WG 477 U . THIS SIGN IS INSCRIBED "LIMIT OF SHUNT ON THE UP MAIN LINE" AND APPLIES TO TRAINS SHUNTING IN THE UP DIRECTION ON THE UP MAIN LINE.

A SHUNT AHEAD SIGNAL IS PROVIDED ON SIGNALS No. WG 466 D AND No. WG 468 U TO ALLOW SHUNTING MOVEMENTS TO TAKE PLACE PAST THESE SIGNALS AS FAR AS THE SHUNTING LIMIT SIGNS

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS " WG 411 D, WG 413 U, WG 428 U, WG 430 U, WG 431 D, WG 433 U, WG 475 D AND WG 477 U".

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

TRAINS TERMINATING AT WOLLONGONG

TERMINATING MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS

NLA 416

REFER TO NLA 416 FOR MORE INFORMATION

CONISTON

UNDER NORMAL WORKING CONDITIONS, THE FOLLOWING TERMINATING MOVEMENTS MAY BE CARRIED OUT AT THIS LOCATION

DOWN TRAINS MAY TERMINATE AT

No. 1 PLATFORM	THEN RETURN ON THE UP MAIN LINE,OR SHUNT TO THE No.1 UP SIDING.
No. 2 PLATFORM	THEN RETURN ON EITHER THE UP OR DOWN MAIN LINES,THE No.1 UP SIDING, THE No.1 DOWN SIDING OR No.2 DOWN SIDING.
No. 1 or 2 PLATFORMS	SHUNT FORWARD AND RETURN TO THE DOWN OR UP MAIN LINES.

UP TRAINS MAY TERMINATE AT

No. 1 PLATFORM	THEN RETURN TO UNANDERRA NORTH OR SHUNT FORWARD AND RETURN TO EITHER No.1 OR No.2 PLATFORM.
No. 2 PLATFORM	THEN RETURN TO EITHER INNER HARBOUR,PORT KEMBLA ,OR UNANDERRA.

A TRAIN ARRIVING FROM INNER HARBOUR **MUST NOT BE** TERMINATED AT No. 2 PLATFORM

JOINS MAP IL 43

GRADIENT

AS OF 1/10/2007 THE PORT KEMBLA PORT CORPORATION OWN AND MAINTAIN FROM THIS POINT 84.335 KM

SECTION : CONISTON TO MASTERS ROAD & LYSAGHT'S
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 27 March 2024

INFORMATION

CONTROLLED FROM : WOLLONGONG
RADIO AREA CODE : 011 / 12

SPECIAL POINTS OF INTEREST

ALL TRAINS MOVEMENTS WITHIN THE CONISTON AND UNANDERRA NORTH AREA ARE CONTROLLED BY THE SIGNALLER AT WOLLONGONG SIGNALBOX, AND ARE WORKED UNDER YARD WORKING CONDITIONS

UNANDERRA NORTH IS THE JUNCTION OF THE TRIANGLE LOOP AND THE DOWN AND UP SOUTH FORKS WITH THE DOWN AND UP MAIN LINES

NLA 416 / 418

REFER TO NLA 416 / 418 FOR MORE INSTRUCTIONS

CONISTON

UNDER NORMAL WORKING CONDITIONS, THE FOLLOWING TERMINATING MOVEMENTS MAY BE CARRIED OUT AT THIS LOCATION

DOWN TRAINS MAY TERMINATE ON

DOWN MAIN LINE OR UP MAIN LINE	THEN RETURN TO CONISTON, INNER HARBOUR OR ALLAN'S CREEK.
--------------------------------	--

UP TRAINS MAY TERMINATE ON

UP ILLAWARRA SINGLE, THE SOUTH FORK, OR THE TRIANGLE LOOP	THEN RETURN TO UNANDERRA VIA EITHER THE UP OR THE DOWN MAIN LINES
---	---

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

PLATE #1

WG 1005 HOME/ STARTING 85.139 KM
SEE PLATE #1

WG 1007 HOME/ STARTING 85.227 KM
SEE PLATE #1

HALF PILOT STAFF
WG 1003 HOME/ STARTING 85.139 KM
SEE PLATE #1

HALF PILOT STAFF
WG 1001 HOME/ STARTING 85.311 KM
SEE PLATE #1

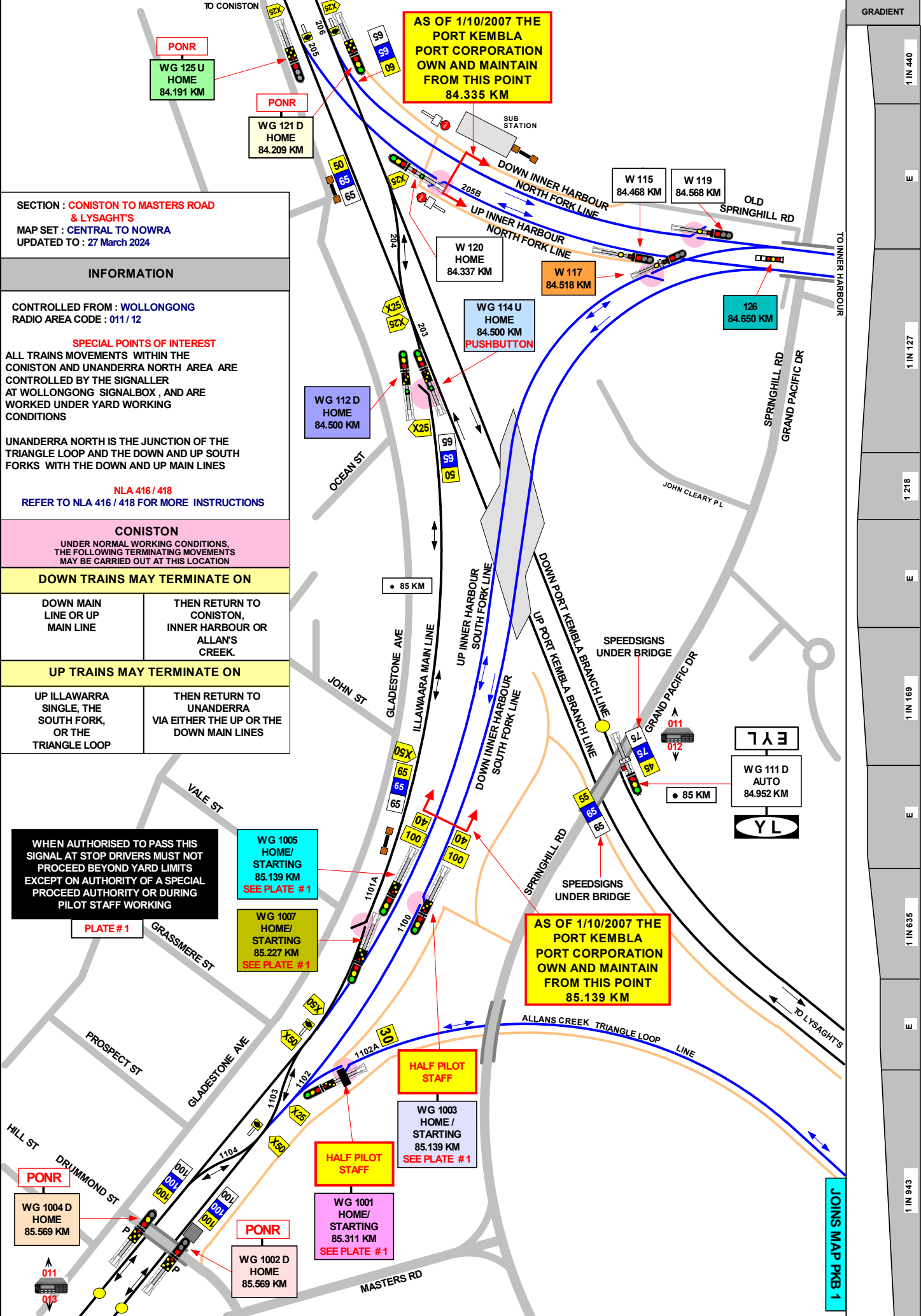
PONR
WG 1004 D HOME 85.569 KM

PONR
WG 1002 D HOME 85.569 KM

AS OF 1/10/2007 THE PORT KEMBLA PORT CORPORATION OWN AND MAINTAIN FROM THIS POINT 85.139 KM

JOINS MAP IL45

JOINS MAP PKB 1



SECTION : **CONISTON TO UNANADERRA SOUTH**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : 27 March 2024

INFORMATION

CONTROLLED FROM : **WOLLONGONG**
 RADIO AREA CODE : **011**

SPECIAL POINTS OF INTEREST

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS " **WG 114 U** "

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED " **EMERGENCY TIME RELEASE** ", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

NLA 416 / 418

REFER TO NLA 416 / 418 FOR MORE INSTRUCTIONS

CONISTON

UNDER NORMAL WORKING CONDITIONS, THE FOLLOWING TERMINATING MOVEMENTS MAY BE CARRIED OUT AT THIS LOCATION

DOWN TRAINS MAY TERMINATE AT

No. 1 PLATFORM	THEN RETURN ON THE UP MAIN LINE ,OR SHUNT TO THE UP REFUGE,OR THE UP SIDINGS
No. 2 PLATFORM	THEN RETURN ON EITHER THE UP OR DOWN MAIN LINES,THE UP OR DOWN REFUGE LOOPS, OR THE UP OR DOWN SIDINGS.
No. 1 or 2 PLATFORMS	SHUNT FORWARD AND RETURN TO THE DOWN OR UP MAIN LINES.

UP TRAINS MAY TERMINATE AT

No. 1 PLATFORM	THEN RETURN TO UNANADERRA NORTH OR SHUNT FORWARD AND RETURN TO EITHER No. 1 OR No. 2 PLATFORM.
No. 2 PLATFORM	THEN RETURN TO EITHER INNER HARBOUR,PORT KEMBLA , OR UNANADERRA.

A TRAIN ARRIVING FROM INNER HARBOUR **MUST NOT** BE TERMINATED AT No.2 PLATFORM

SIGNAL	DESTINATION	INDICATION
WG 112 D	UP MAIN (M)	----
	UP MAIN (CLOSE UP)	----
	DOWN MAIN (M)	

SIGNAL	DESTINATION	INDICATION
WG 1001	DOWN MAIN (M)	----
	UP MAIN (M)	

SIGNAL	DESTINATION	INDICATION
WG 114 U	UP MAIN (M)	----
	UP MAIN (CLOSE UP)	----
	DOWN MAIN (M)	

SIGNAL	DESTINATION	INDICATION
WG 1002 D	MAIN (M)	+ M
	UP STH FORK (M)	+ F
	ALLAN'S CRK (M)	+ A

SIGNAL	DESTINATION	INDICATION
W 117	DOWN NORTH FORK	DN
	UP NORTH FORK	UN

SIGNAL	DESTINATION	INDICATION
WG 1003	DOWN MAIN (M)	----
	UP MAIN (M)	

SIGNAL	DESTINATION	INDICATION
WG 121 D	DOWN NORTH FORK (M)	
	DOWN PORT KEMBLA (M)	----
	UNANADERRA (M)	

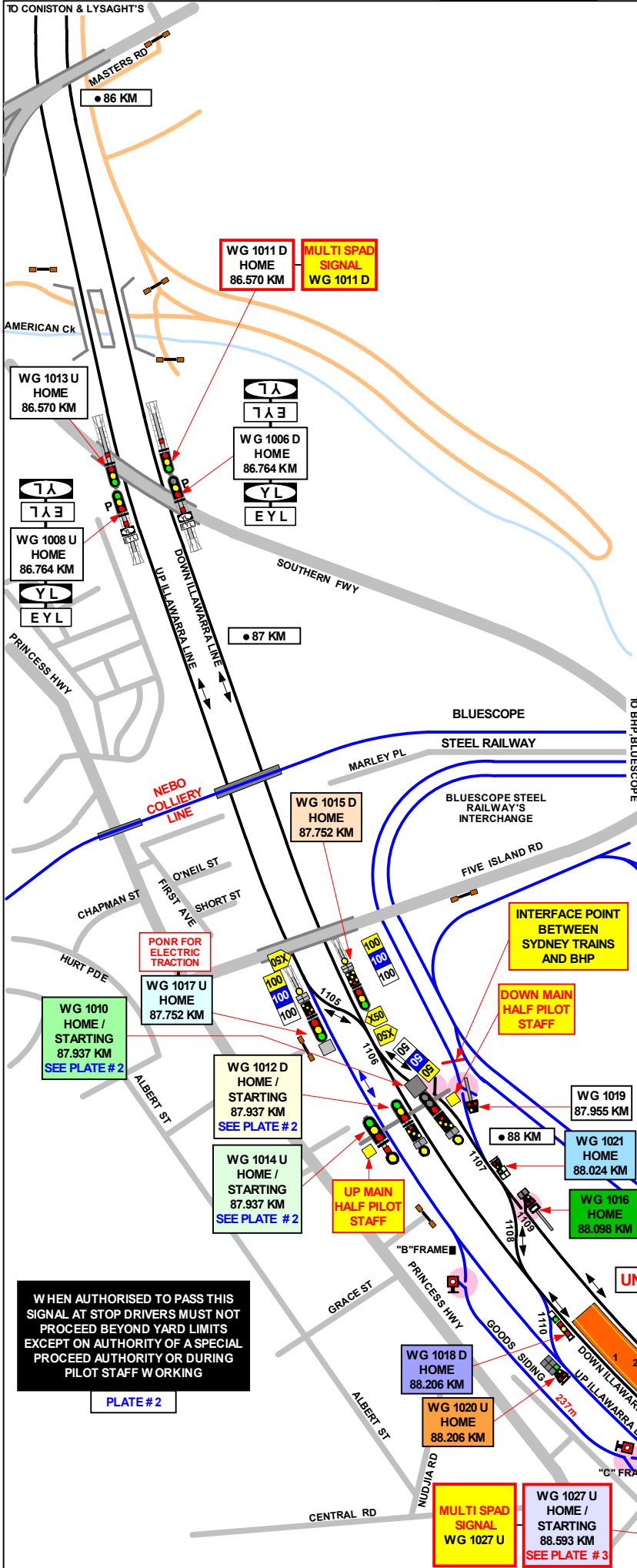
SIGNAL	DESTINATION	INDICATION
WG 1004 U	MAIN (M)	
	UP STH FORK (M)	----
	ALLAN'S CRK (M)	

SIGNAL	DESTINATION	INDICATION
WG 125 U	UP NORTH FORK (M)	
	UNANADERRA (M)	

SIGNAL	DESTINATION	INDICATION
WG 1005	DOWN MAIN (M)	
	UP MAIN (M)	----

SIGNAL	DESTINATION	INDICATION
126	UP SOUTH FORK	US
	UP NORTH FORK	UN

SIGNAL	DESTINATION	INDICATION
WG 1007	DOWN MAIN (M)	
	UP MAIN (M)	----



SECTION : CONISTON TO UNANADERRA NORTH
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 27 March 2024

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 013

SPECIAL POINTS OF INTEREST

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS "WG 114 U"

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

TERMINATING TRAINS

TERMINATION MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS.

NLA 416 / 418
 REFER TO NLA 416 / 418 FOR MORE INSTRUCTIONS

GENERAL ARRANGEMENTS

THE POINTS AND SIGNALS AT UNANDERRA ARE OPERATED FROM WOLLONGONG SIGNALBOX. A LOCAL PANEL HAS BEEN PROVIDED IN THE SIGNALBOX TO ALLOW UNANADERRA TO BE OPERATED LOCALLY. ALL INDICATIONS DISPLAYED ON THE LOCAL PANEL ARE ALSO DISPLAYED ON THE CONTROL PANEL AT WOLLONGONG SIGNALBOX. ALL POINTS WORKED FROM THE SIGNALBOX ARE CONTROLLED BY TRACK CIRCUIT AND CANNOT BE MOVED UNLESS THE TRACK(S) CONTROLLING THE POINTS ARE UNOCCUPIED

GRADIENT
E
1 IN 413
1 IN 943
E
1 IN 341
1 IN 826
1 IN 330
1 IN 113
1 IN 135
1 IN 155
1 IN 264

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

PLATE # 2

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

PLATE # 3

SECTION : **CONISTON TO UNANADERRA NORTH**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : **22 March 2024**

INFORMATION

SPECIAL POINTS OF INTEREST

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS " **WG 114 U** "

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED " **EMERGENCY TIME RELEASE** ", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

TERMINATING TRAINS



TERMINATION MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS.


NLA 416 / 418

REFER TO **NLA 416 / 418** FOR MORE INSTRUCTIONS



GENERAL ARRANGEMENTS

THE POINTS AND SIGNALS AT UNANADERRA ARE OPERATED FROM WOLLONONG SIGNALBOX . A LOCAL PANEL HAS BEEN PROVIDED IN THE SIGNALBOX TO ALLOW UNANADERRA TO BE OPERATED LOCALLY. ALL INDICATIONS DISPLAYED ON THE LOCAL PANEL ARE ALSO DISPLAYED ON THE CONTROL PANEL AT WOLLONONG SIGNALBOX. ALL POINTS WORKED FROM THE SIGNALBOX ARE CONTROLLED BY TRACK CIRCUIT AND CANNOT BE MOVED UNLESS THE TRACK(S) CONTROLLING THE POINTS ARE UNOCCUPIED



SIGNAL	DESTINATION	INDICATION
WG 1010	UP MAIN (M)	 + U
	DOWN MAIN (M)	 + D
	UP MAIN (S)	UM
	DOWN MAIN (S)	DM


SIGNAL	DESTINATION	INDICATION
WG 1012 D	UP MAIN (M)	
	DOWN MAIN (M)	----
	UP MAIN (S)	UM
	DOWN MAIN (S)	DM


SIGNAL	DESTINATION	INDICATION
WG 1014 D	UP MAIN (M)	----
	UP MAIN (S)	----


SIGNAL	DESTINATION	INDICATION
WG 1015 D	BRANCH LINE (M)	
	DOWN MAIN (M)	----
	UP MAIN (M)	
	BRANCH LINE (S)	B
	DOWN MAIN (S)	DM
	UP MAIN (S)	UM



SIGNAL	DESTINATION	INDICATION
WG 1016	BRANCH LINE	B
	SIDING	S



SIGNAL	DESTINATION	INDICATION
WG 1017 U	BRANCH LINE (M)	 + B
	DOWN MAIN (M)	 + D
	UP MAIN (M)	---
	BRANCH LINE (S)	B
	DOWN MAIN (S)	DM
	UP MAIN (S)	UM



SIGNAL	DESTINATION	INDICATION
WG 1018 D	DOWN MAIN	D
		
	BRANCH LINE	B
	SIDING	S

SIGNAL	DESTINATION	INDICATION
WG 1020 U	UP MAIN	UM
		
	DOWN MAIN	DM
	BRANCH LINE	B
	SIDING	S

SIGNAL	DESTINATION	INDICATION
WG 1021	BRANCH LINE	B
		
	DOWN MAIN	DM
	UP MAIN	UM

SIGNAL	DESTINATION	INDICATION
WG 1023	BRANCH LINE (M)	----
	DOWN MAIN (M)	
	UP MAIN (M)	
	DOWN MAIN (S)	DM
	UP MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
WG 1025 D	BRANCH LINE (M)	
	DOWN MAIN (M)	----
	UP MAIN (M)	
	DOWN MAIN (S)	DM
	UP MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
WG 1027 U	BRANCH LINE (M)	 + B
	DOWN MAIN (M)	 + D
	UP MAIN (M)	----
	DOWN MAIN (S)	DM
	UP MAIN (S)	UM

SECTION : UNANADERRA NORTH TO KEMBLA GRANGE & MOSS VALE BRANCH

MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 22 March 2024

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 014

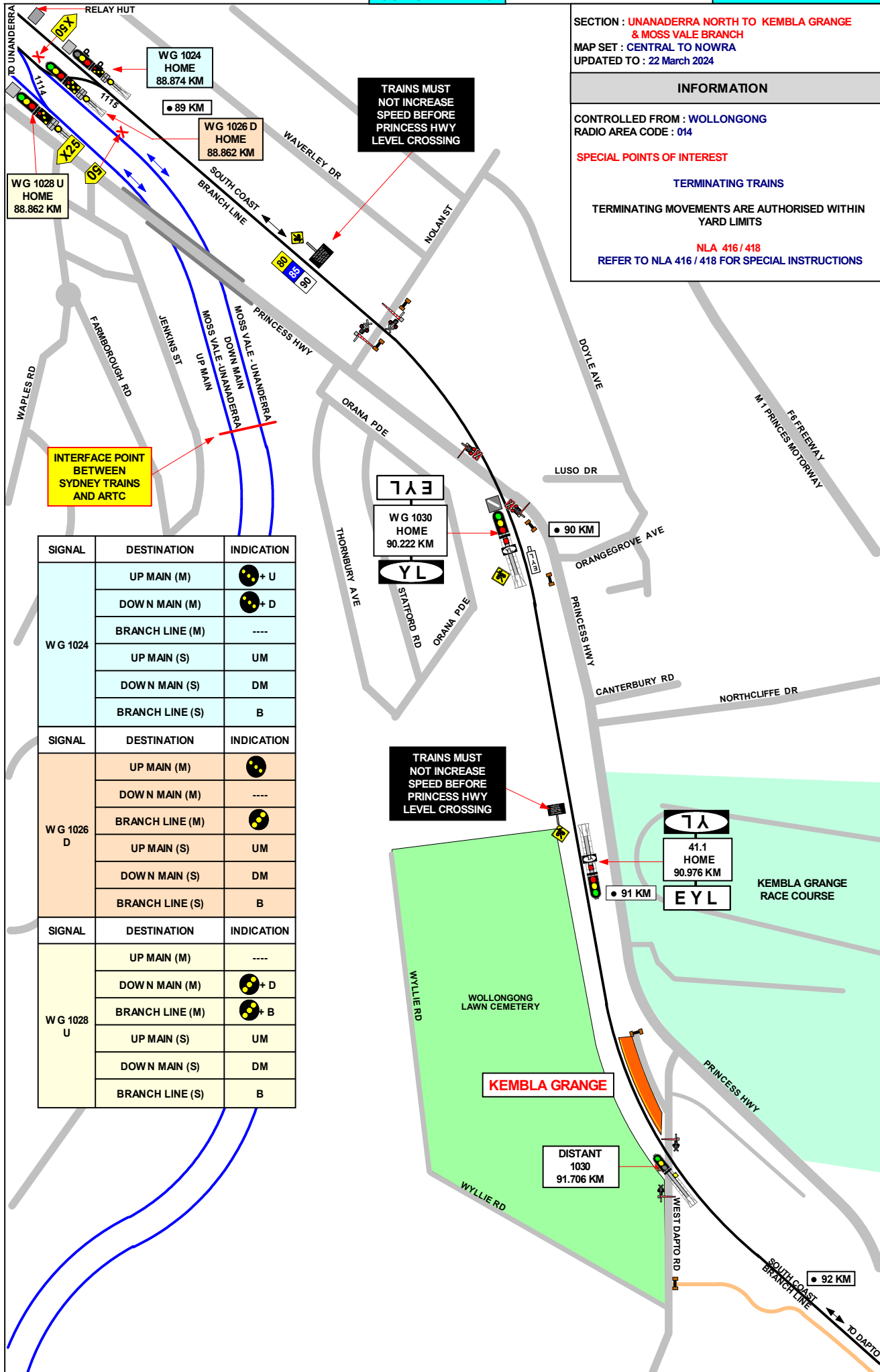
SPECIAL POINTS OF INTEREST

TERMINATING TRAINS

TERMINATING MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS

NLA 416 / 418
 REFER TO NLA 416 / 418 FOR SPECIAL INSTRUCTIONS

GRADIENT	
1 IN 136	
1 IN 129	
1 IN 105	
E	
1 IN 413	
1 IN 213	
1 IN 264	
1 IN 113	
1 IN 165	
E	
1 IN 57	
1 IN 50	
E	
1 IN 147	
1 IN 176	
1 IN 210	
1 IN 178	
E	
1 IN 733	
E	
1 IN 733	



INTERFACE POINT BETWEEN SYDNEY TRAINS AND ARTC

TRAINS MUST NOT INCREASE SPEED BEFORE PRINCESS HWY LEVEL CROSSING

TRAINS MUST NOT INCREASE SPEED BEFORE PRINCESS HWY LEVEL CROSSING

SIGNAL	DESTINATION	INDICATION
WG 1024	UP MAIN (M)	●+ U
	DOWN MAIN (M)	●+ D
	BRANCH LINE (M)	----
	UP MAIN (S)	UM
	DOWN MAIN (S)	DM
	BRANCH LINE (S)	B
WG 1026 D	UP MAIN (M)	●
	DOWN MAIN (M)	----
	BRANCH LINE (M)	●
	UP MAIN (S)	UM
	DOWN MAIN (S)	DM
	BRANCH LINE (S)	B
WG 1028 U	UP MAIN (M)	----
	DOWN MAIN (M)	●+ D
	BRANCH LINE (M)	●+ B
	UP MAIN (S)	UM
	DOWN MAIN (S)	DM
	BRANCH LINE (S)	B

SECTION : **KEMBLA GRANGE TO DAPTO**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : 26 February 2024

GRADIENT

INFORMATION

CONTROLLED FROM : **WOLLONGONG**
 RADIO AREA CODE : **013**

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

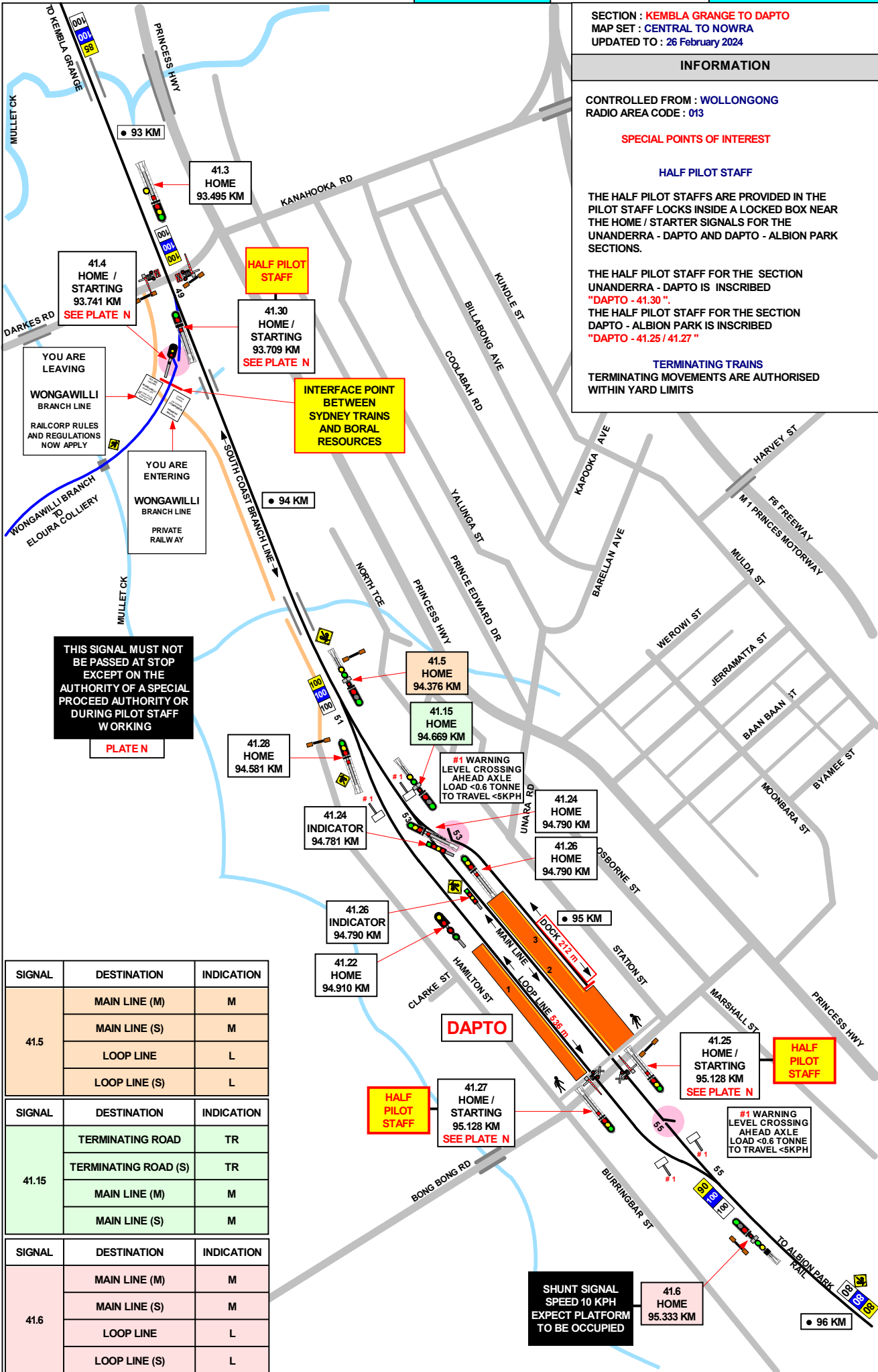
THE HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE HOME / STARTER SIGNALS FOR THE UNANDERRA - DAPTO AND DAPTO - ALBION PARK SECTIONS.

THE HALF PILOT STAFF FOR THE SECTION UNANDERRA - DAPTO IS INSCRIBED "**DAPTO - 41.30**".

THE HALF PILOT STAFF FOR THE SECTION DAPTO - ALBION PARK IS INSCRIBED "**DAPTO - 41.25 / 41.27**".

TERMINATING TRAINS

TERMINATING MOVEMENTS ARE AUTHORISED WITHIN YARD LIMITS



THIS SIGNAL MUST NOT BE PASSED AT STOP EXCEPT ON THE AUTHORITY OF A SPECIAL PROCEED AUTHORITY OR DURING PILOT STAFF WORKING

PLATEN

YOU ARE LEAVING

WONGAWILLI BRANCH LINE

RAILCORP RULES AND REGULATIONS NOW APPLY

YOU ARE ENTERING

WONGAWILLI BRANCH LINE

PRIVATE RAILWAY

INTERFACE POINT BETWEEN SYDNEY TRAINS AND BORAL RESOURCES

HALF PILOT STAFF

41.30 HOME / STARTING 93.709 KM

SEE PLATE N

HALF PILOT STAFF

41.3 HOME 93.495 KM

HALF PILOT STAFF

41.25 HOME / STARTING 95.128 KM

SEE PLATE N

HALF PILOT STAFF

SHUNT SIGNAL

SPEED 10 KPH

EXPECT PLATFORM TO BE OCCUPIED

SIGNAL	DESTINATION	INDICATION
41.5	MAIN LINE (M)	M
	MAIN LINE (S)	M
	LOOP LINE	L
	LOOP LINE (S)	L
41.15	TERMINATING ROAD	TR
	TERMINATING ROAD (S)	TR
	MAIN LINE (M)	M
	MAIN LINE (S)	M
41.6	MAIN LINE (M)	M
	MAIN LINE (S)	M
	LOOP LINE	L
	LOOP LINE (S)	L

1 IN 600

1 IN 176

1 IN 176

1 IN 825

1 IN 435

1 IN 120

1 IN 825

E

1 IN 412

SECTION : DAPTO TO YALLAH
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 5 December 2022

INFORMATION

CONTROLLED FROM : WOLLONGONG
RADIO AREA CODE : 014

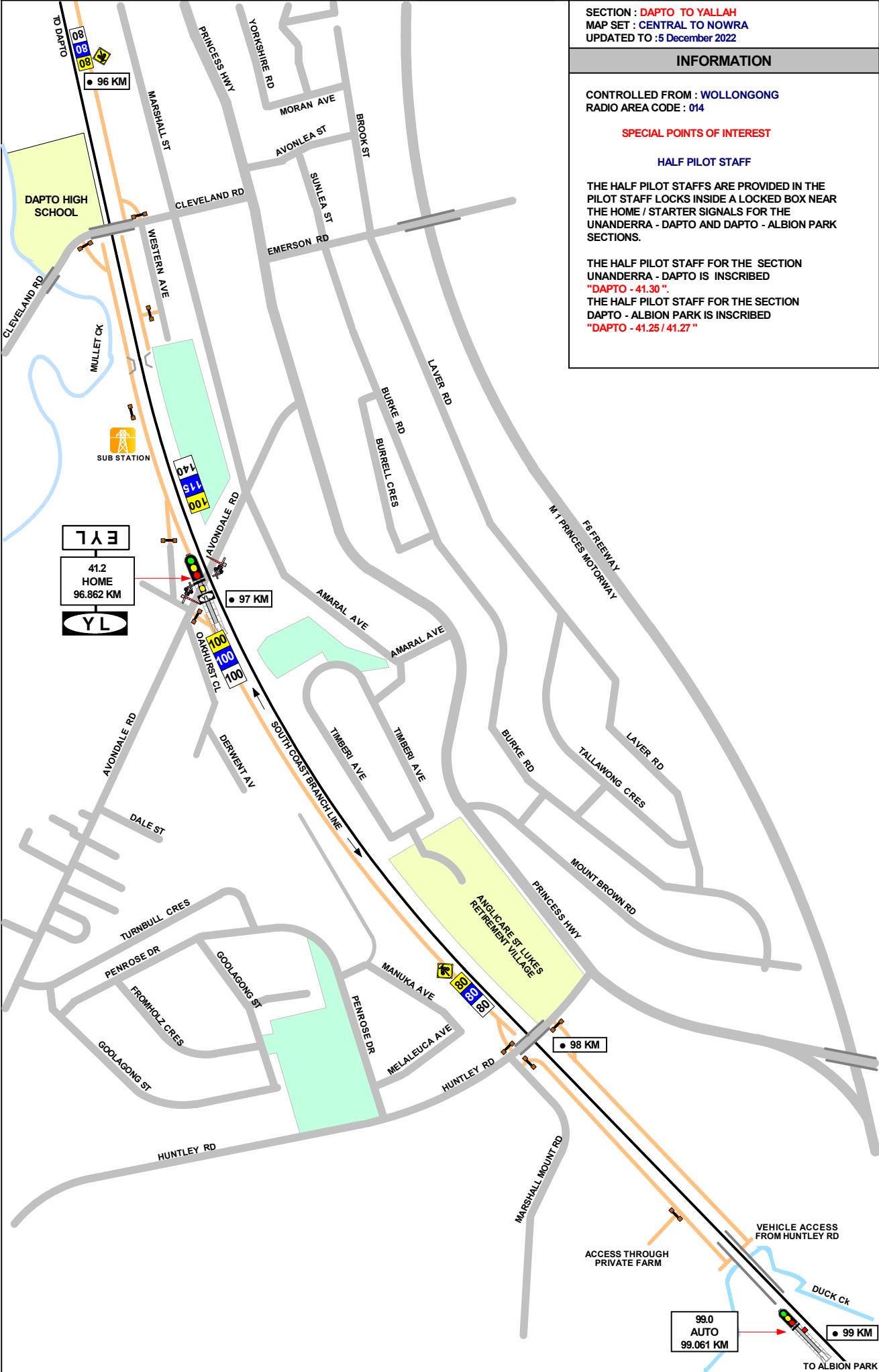
SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

THE HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE HOME / STARTER SIGNALS FOR THE UNANDERRA - DAPTO AND DAPTO - ALBION PARK SECTIONS.

THE HALF PILOT STAFF FOR THE SECTION UNANDERRA - DAPTO IS INSCRIBED "DAPTO - 41.30"
THE HALF PILOT STAFF FOR THE SECTION DAPTO - ALBION PARK IS INSCRIBED "DAPTO - 41.25 / 41.27"

GRADIENT	
1 IN 412	
1 IN 144	
1 IN 153	
1 IN 140	
1 IN 222	
1 IN 85	
1 IN 73	
1 IN 188	
1 IN 278	
1 IN 50	
1 IN 194	
1 IN 1650	
1 IN 131	
1 IN 214	



SECTION : **YALLAH TO ALBION PARK**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : **5 December 2022**

INFORMATION

CONTROLLED FROM : **WOLLONGONG**
 RADIO AREA CODE : **101**

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

THE HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE HOME / STARTER SIGNALS FOR THE UNANDERRA - DAPTO AND DAPTO - ALBION PARK SECTIONS.

THE HALF PILOT STAFF FOR THE SECTION UNANDERRA - DAPTO IS INSCRIBED "DAPTO - 41.30".
 THE HALF PILOT STAFF FOR THE SECTION DAPTO - ALBION PARK IS INSCRIBED "DAPTO - 41.25 / 41.27"

GRADIENT

E

L

1 IN 194

E

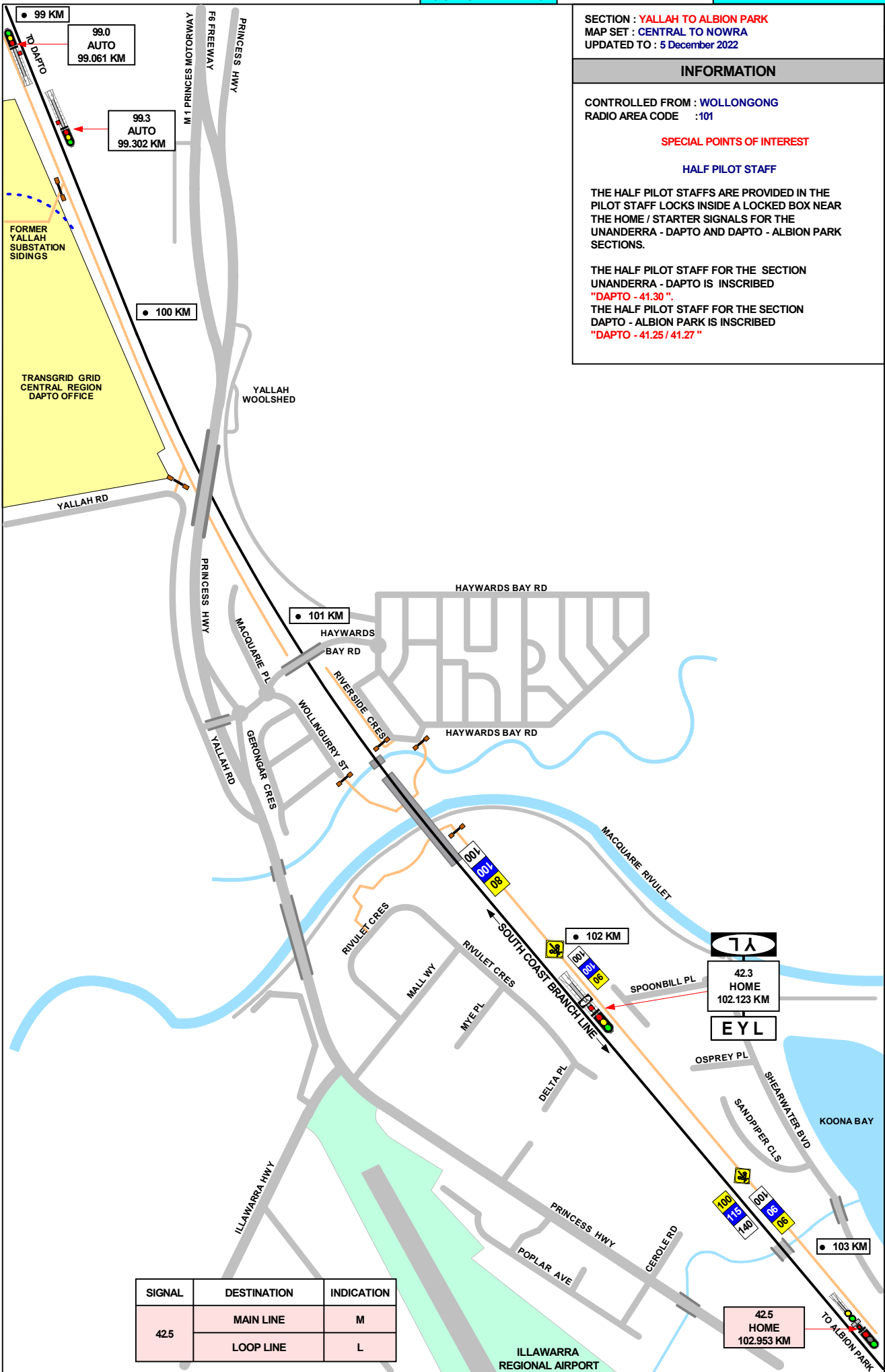
1 IN 87

1 IN 113

1 IN 367

1 IN 934

1 IN 3300



SIGNAL	DESTINATION	INDICATION
425	MAIN LINE	M
	LOOP LINE	L

SECTION : OAK FLATS TO SHELLHARBOUR JUNCTION
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 5 December 2022

GRADIENT

INFORMATION

CONTROLLED FROM : WOLLONGONG
RADIO AREA CODE : 014

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

THE HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE HOME / STARTER SIGNALS FOR THE DAPTO - ALBION PARK AND THE ALBION PARK - DUNMORE SECTIONS.

THE HALF PILOT STAFF FOR THE SECTION DAPTO - ALBION PARK IS INSCRIBED "ALBION PARK - 42.28 / 42.26"
THE HALF PILOT STAFF FOR THE SECTION ALBION PARK - DUNMORE "ALBION PARK - 42.29"

TERMINATING TRAINS

TERMINATING MOVEMENTS ARE AUTHORISED WITHIN ALBION PARK YARD LIMITS ALLOWING TRAINS TO TERMINATE AT OAK FLATS AND RETURN TO ALBION PARK

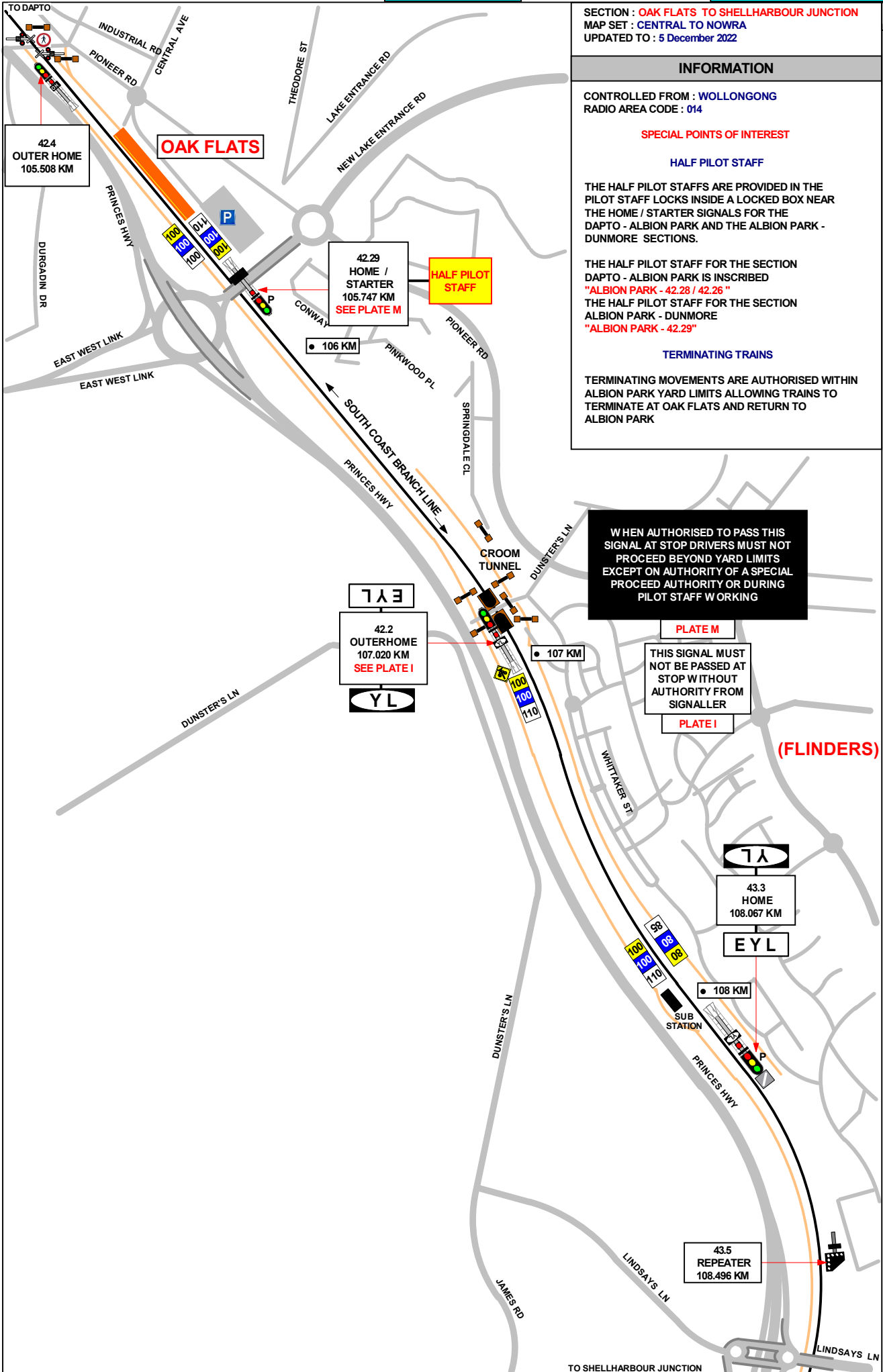
WHEN AUTHORISED TO PASS THIS SIGNAL AT STOP DRIVERS MUST NOT PROCEED BEYOND YARD LIMITS EXCEPT ON AUTHORITY OF A SPECIAL PROCEED AUTHORITY OR DURING PILOT STAFF WORKING

PLATE M

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

PLATE I

(FLINDERS)



SECTION : SHELLHARBOUR JUNCTION
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 3 October 2022

GRADIENT

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 014

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

THE HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE HOME / STARTING SIGNALS FOR THE ALBION PARK - DUNMORE AND THE DUNMORE - BOMBO SECTIONS.

THE HALF PILOT STAFF FOR THE SECTION ALBION PARK - DUNMORE IS INSCRIBED "DUNMORE - 43.28 / 43.26"

THE HALF PILOT STAFF FOR THE SECTION DUNMORE - BOMBO IS INSCRIBED "DUNMORE - 43.27 / 43.25".

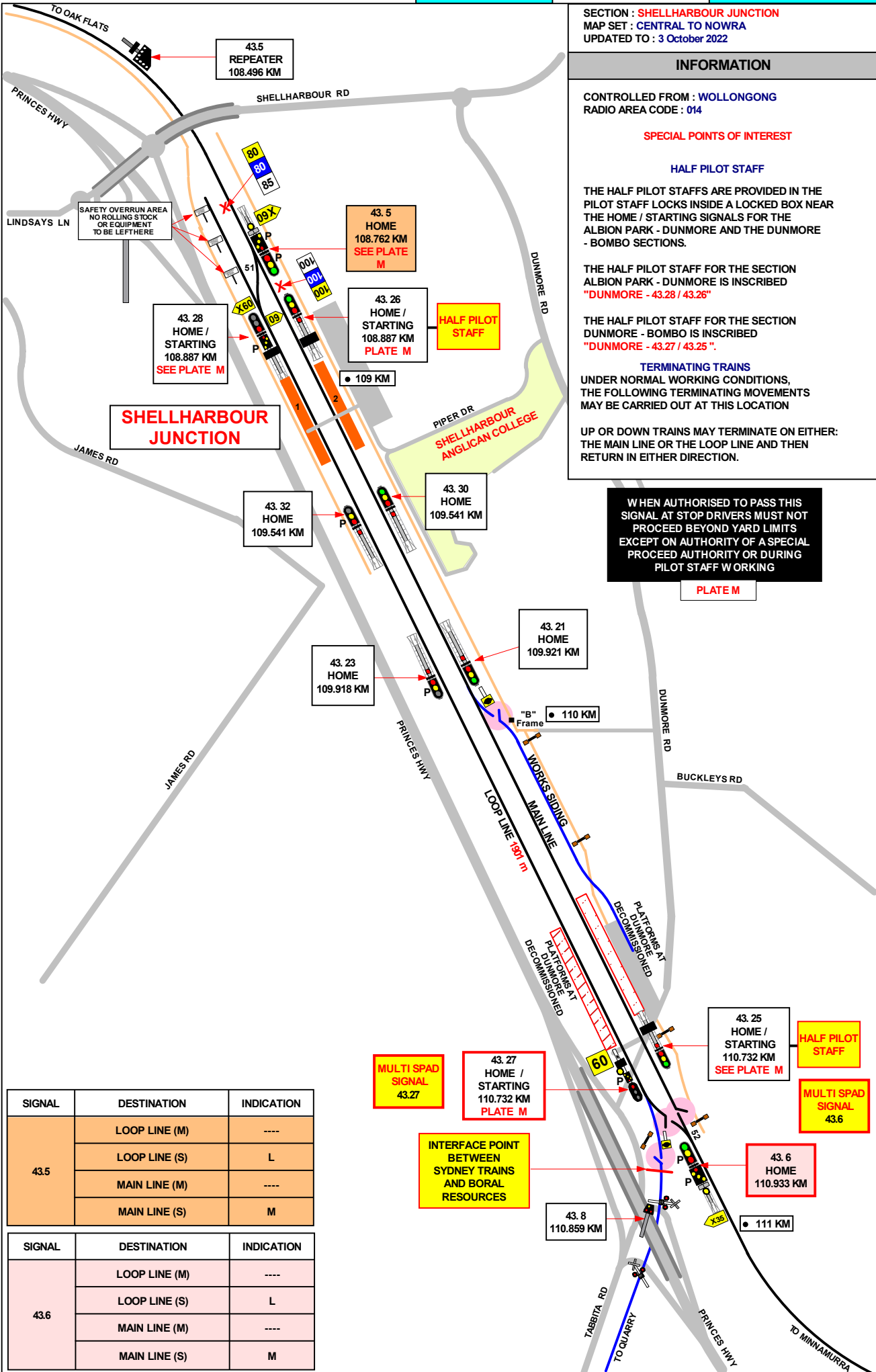
TERMINATING TRAINS

UNDER NORMAL WORKING CONDITIONS, THE FOLLOWING TERMINATING MOVEMENTS MAY BE CARRIED OUT AT THIS LOCATION

UP OR DOWN TRAINS MAY TERMINATE ON EITHER: THE MAIN LINE OR THE LOOP LINE AND THEN RETURN IN EITHER DIRECTION.

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

PLATE M



SIGNAL	DESTINATION	INDICATION
43.5	LOOP LINE (M)	----
	LOOP LINE (S)	L
	MAIN LINE (M)	----
	MAIN LINE (S)	M

SIGNAL	DESTINATION	INDICATION
43.6	LOOP LINE (M)	----
	LOOP LINE (S)	L
	MAIN LINE (M)	----
	MAIN LINE (S)	M

1 IN 300
1 IN 206
1 IN 244
1 IN 129
1 IN 95
1 IN 63
1 IN 49
L
1 IN 660
L
1 IN 600
1 IN 660

SECTION : SHELLHARBOUR JUNCTION TO MINNAMURRA
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 3 October 2022

GRADIENT	
L	1 IN 2200
L	1 IN 1660
L	1 IN 108
L	1 IN 73
E	1 IN 600
E	1 IN 269
L	1 IN 733
E	1 IN 528
E	1 IN 943
E	1 IN 102
L	1 IN 102
E	1 IN 102

SIGNAL	DESTINATION	INDICATION
43.6	MAIN LINE (S)	M
	LOOP LINE (S)	L

INFORMATION

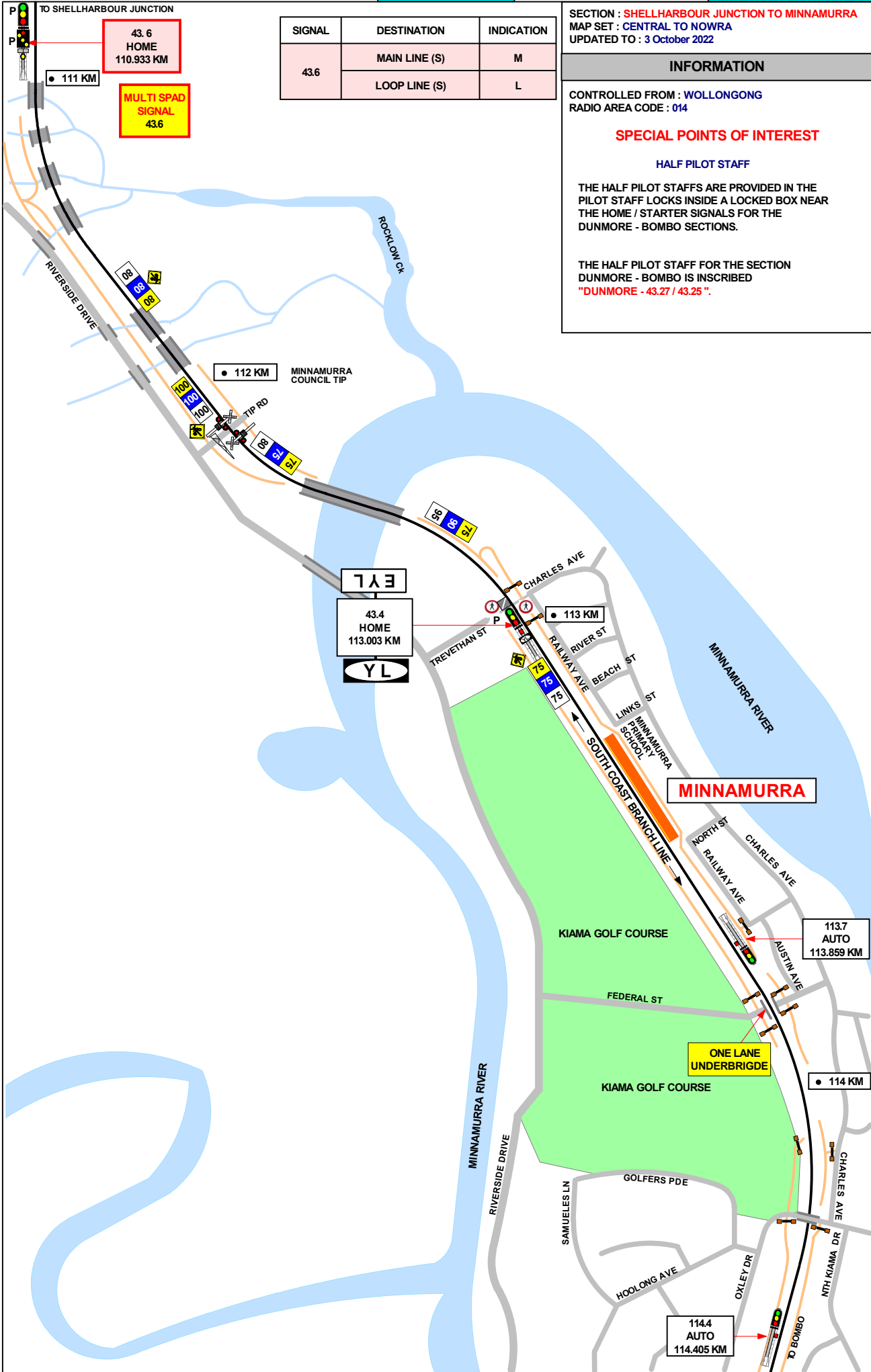
CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 014

SPECIAL POINTS OF INTEREST

HALF PILOT STAFF

THE HALF PILOT STAFFS ARE PROVIDED IN THE PILOT STAFF LOCKS INSIDE A LOCKED BOX NEAR THE HOME / STARTER SIGNALS FOR THE DUNMORE - BOMBO SECTIONS.

THE HALF PILOT STAFF FOR THE SECTION DUNMORE - BOMBO IS INSCRIBED "DUNMORE - 43.27 / 43.25".

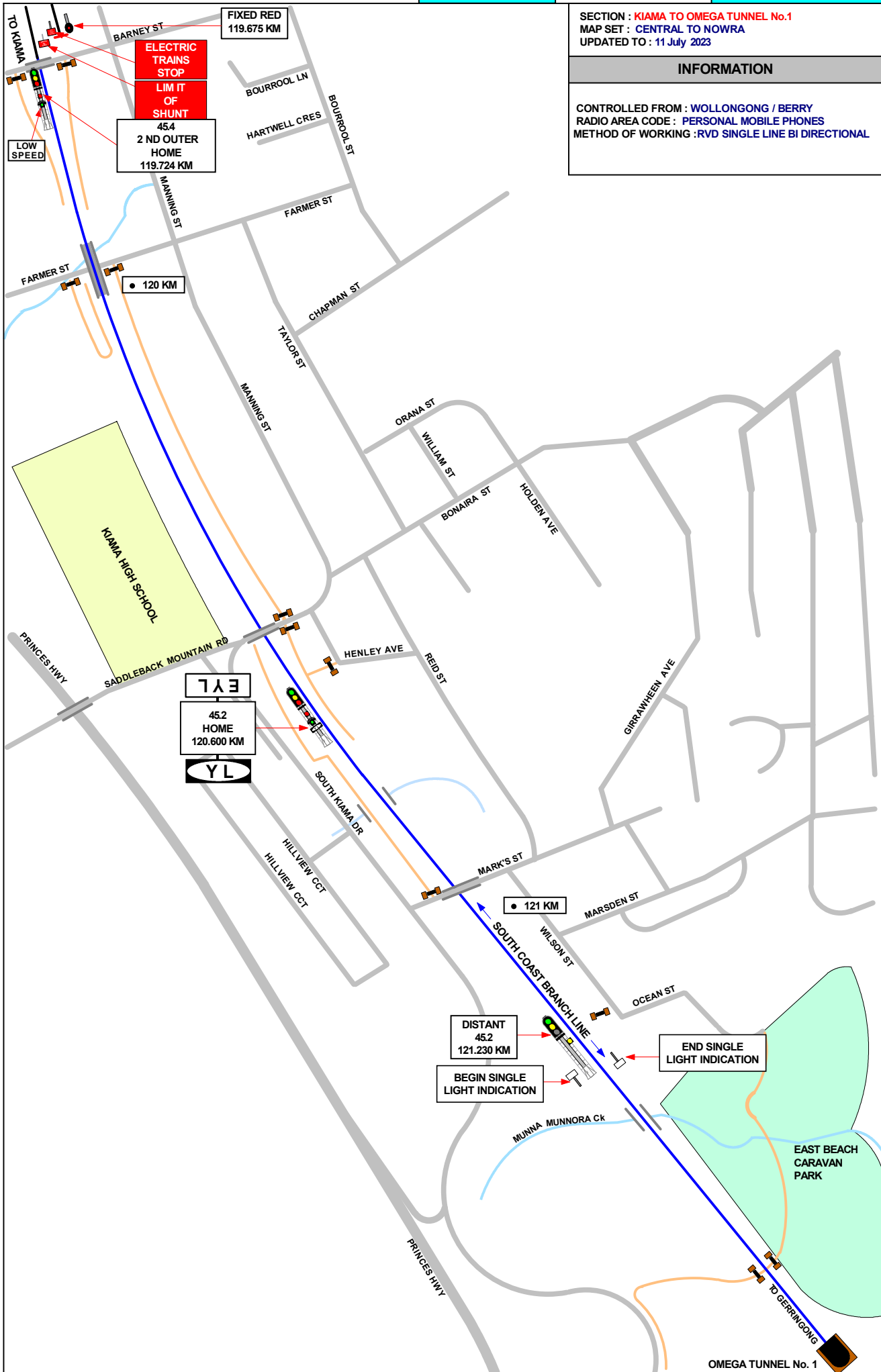


SECTION : KIAMA TO OMEGA TUNNEL No.1
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 11 July 2023

GRADIENT

INFORMATION

CONTROLLED FROM : WOLLONGONG / BERRY
RADIO AREA CODE : PERSONAL MOBILE PHONES
METHOD OF WORKING : RVD SINGLE LINE BI DIRECTIONAL



1 IN 1500
1 IN 66
1 IN 56
1 IN 63
1 IN 55
E
1 IN 143
E
1 IN 72
1 IN 76
E

SECTION : OMEGA No. 1 TUNNEL TO OMEGA No. 3 TUNNEL
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 26 June 2016

INFORMATION

CONTROLLED FROM : WOLLONGONG / BERRY
RADIO AREA CODE : PERSONAL MOBILE PHONES
METHOD OF WORKING : RVD SINGLE LINE BI DIRECTIONAL

GRADIENT

E

1 IN 330

E

1 IN 244

1 IN 264

1 IN 287

E

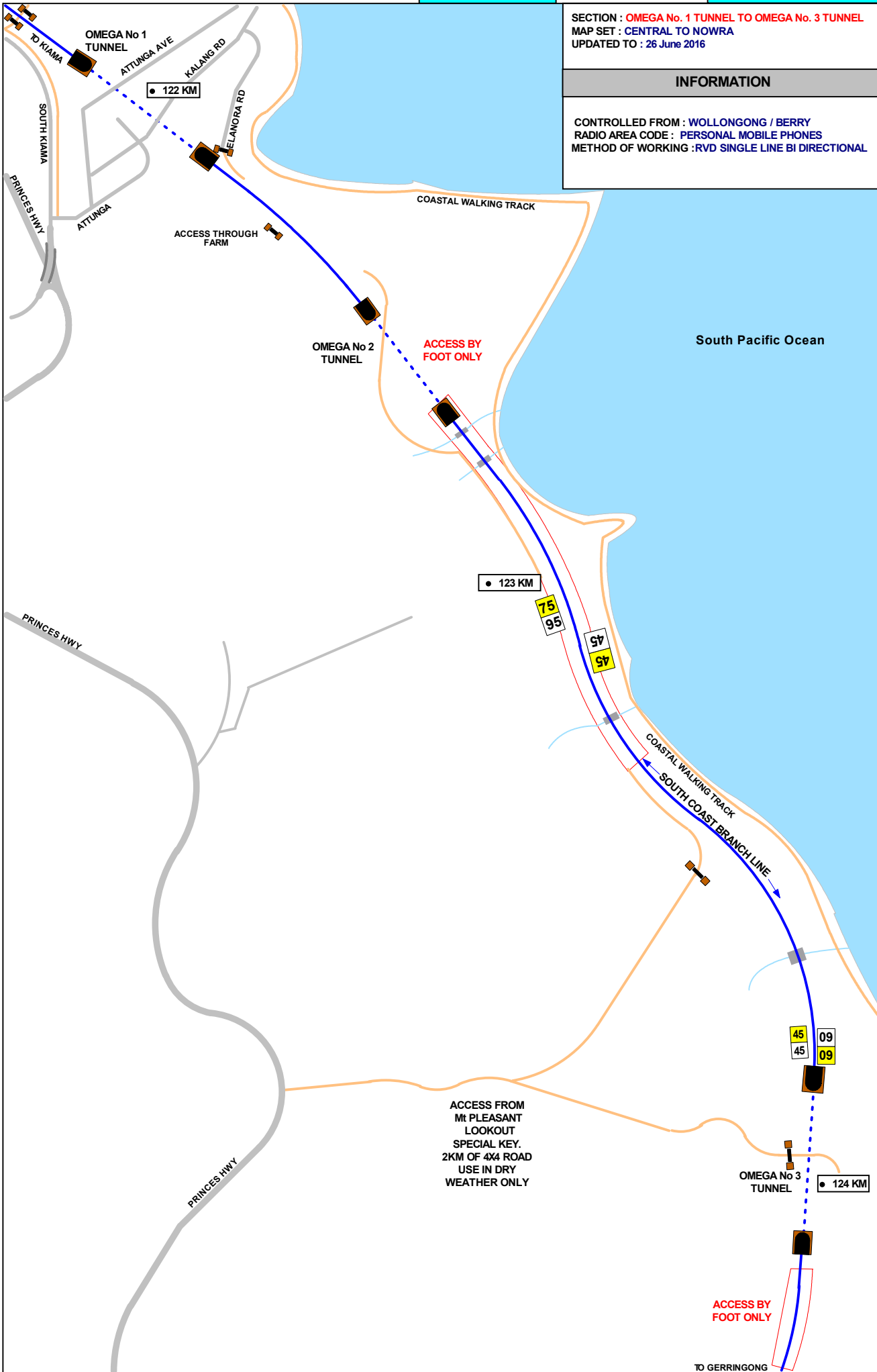
1 IN 148

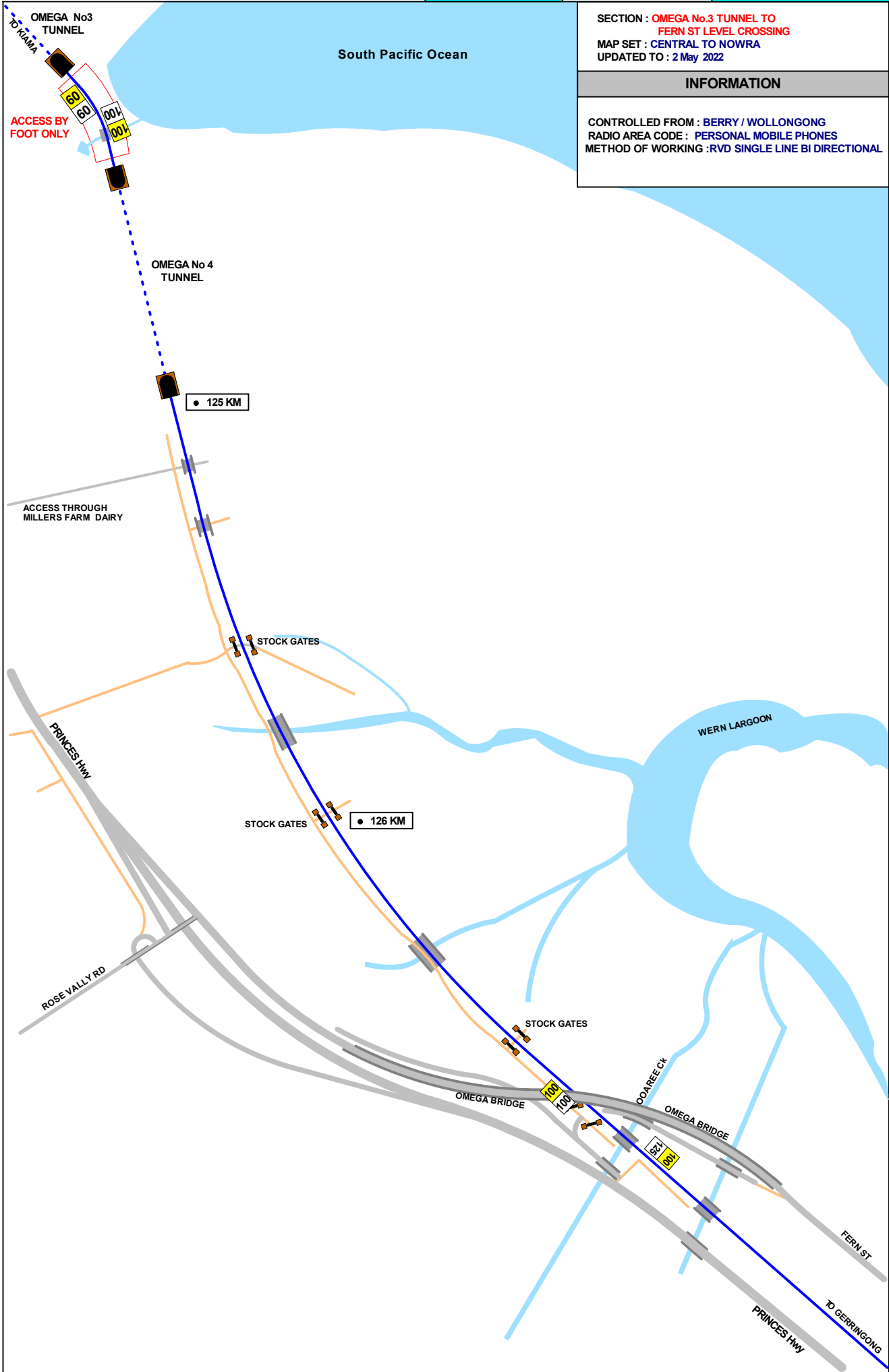
E

1 IN 194

1 IN 220

1 IN 330





SECTION : OMEGA No.3 TUNNEL TO
 FERN ST LEVEL CROSSING
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 2 May 2022

INFORMATION

CONTROLLED FROM : BERRY / WOLLONGONG
 RADIO AREA CODE : PERSONAL MOBILE PHONES
 METHOD OF WORKING :RVD SINGLE LINE BI DIRECTIONAL

GRADIENT	
1 IN 194	E
1 IN 184	E
1 IN 220	E
1 IN 330	E
1 IN 216	E
1 IN 71	E
1 IN 85	E
LEVEL	E

SECTION : FERN ST CROSSING TO GERRINGONG
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 2 May 2022

INFORMATION

CONTROLLED FROM : BERRY / WOLLONGONG
RADIO AREA CODE : PERSONAL MOBILE PHONES
METHOD OF WORKING : RVD SINGLE LINE BI DIRECTIONAL

GRADIENT

LEVEL

1 IN 182

1 IN 53

1 IN 54

1 IN 56

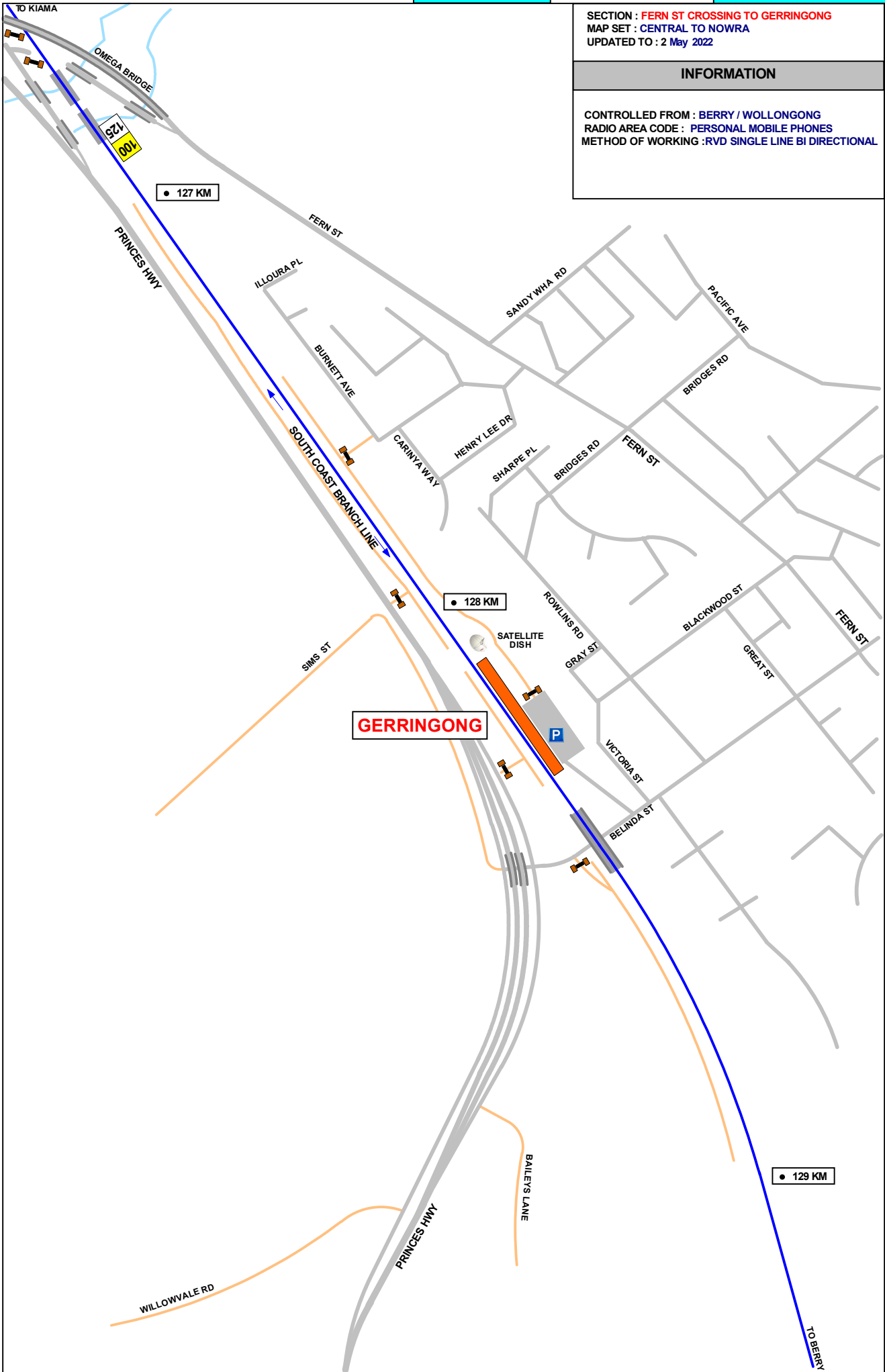
E

1 IN 300

1 IN 660

1 IN 455

1 IN 72

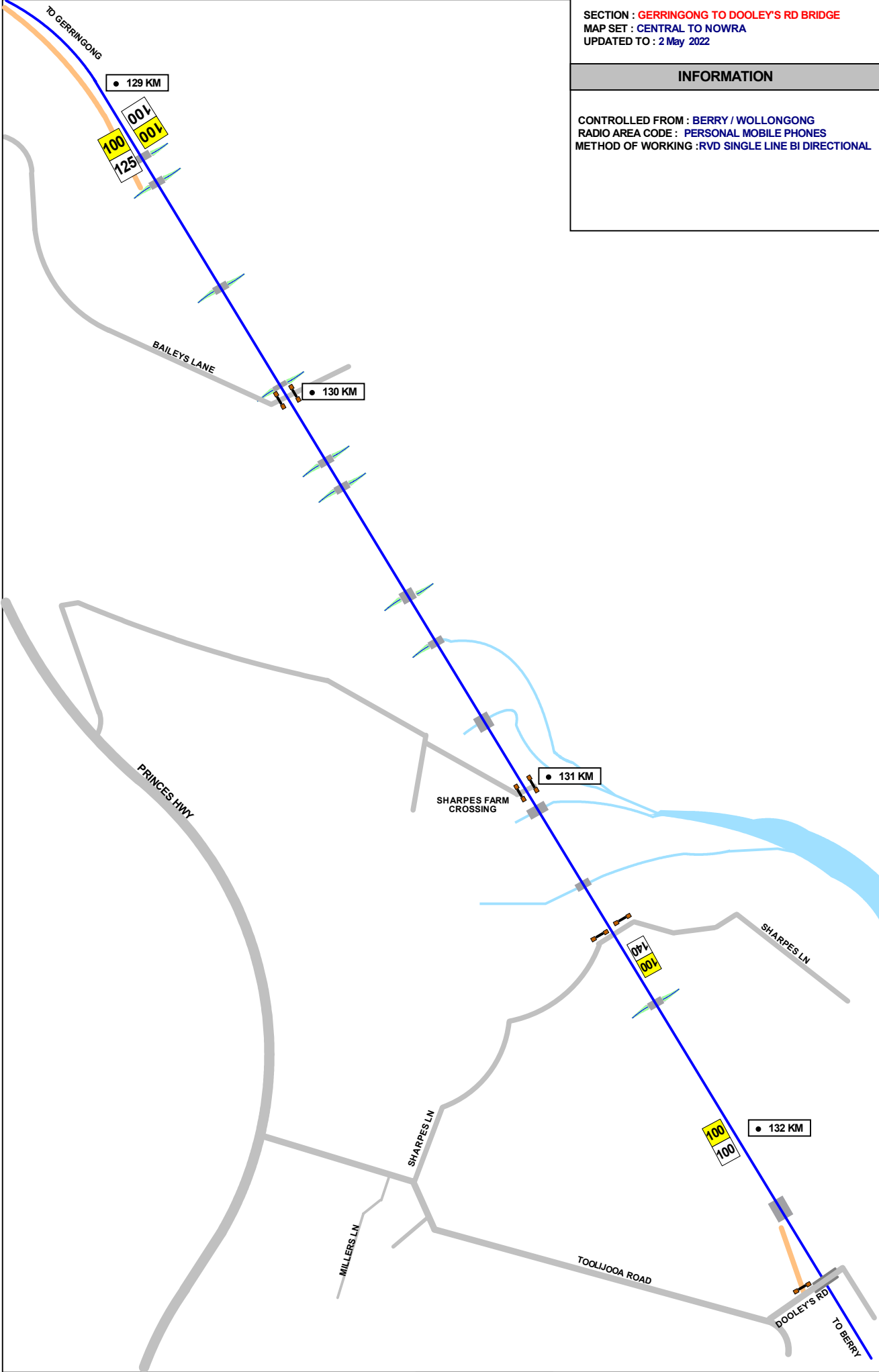


SECTION : **GERRINGONG TO DOOLEY'S RD BRIDGE**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : **2 May 2022**

INFORMATION

CONTROLLED FROM : **BERRY / WOLLONGONG**
 RADIO AREA CODE : **PERSONAL MOBILE PHONES**
 METHOD OF WORKING : **RVD SINGLE LINE BI DIRECTIONAL**

GRADIENT	
1 IN 94	
1 IN 165	
1 IN 471	
	LEVEL
1 IN 412	
1 IN 2200	
1 IN 3000	
1 IN 463	
	LEVEL
E	
1 IN 72	

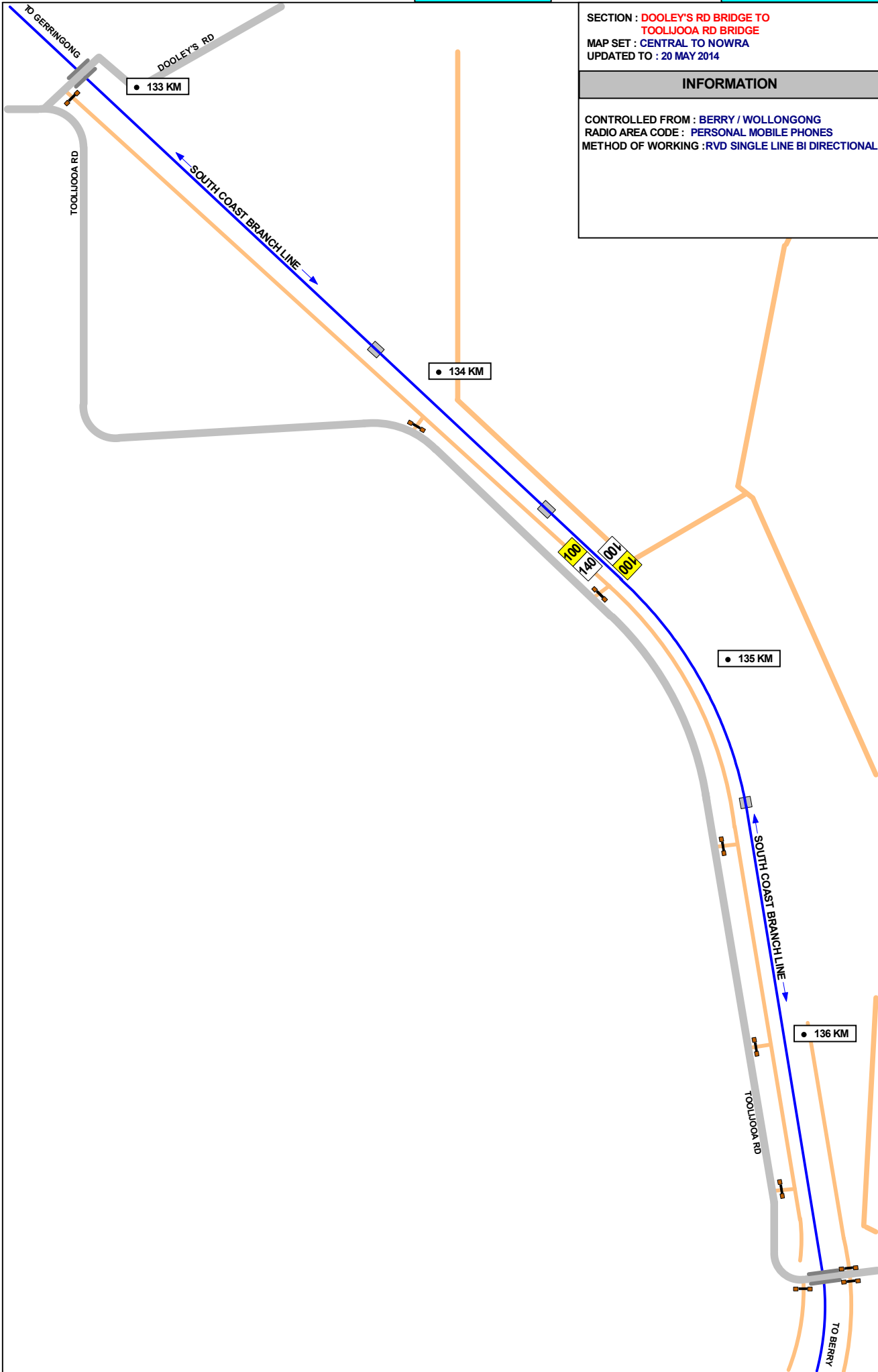


SECTION : DOOLEY'S RD BRIDGE TO
TOOLJOOA RD BRIDGE
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 20 MAY 2014

INFORMATION

CONTROLLED FROM : BERRY / WOLLONGONG
RADIO AREA CODE : PERSONAL MOBILE PHONES
METHOD OF WORKING : RVD SINGLE LINE BI DIRECTIONAL

GRADIENT



1 IN 190

E

1 IN 143

E

1 IN 93

1 IN 85

E

1 IN 600

LEVEL

1 IN 733

1 IN 98

E

1 IN 62

1 IN 85

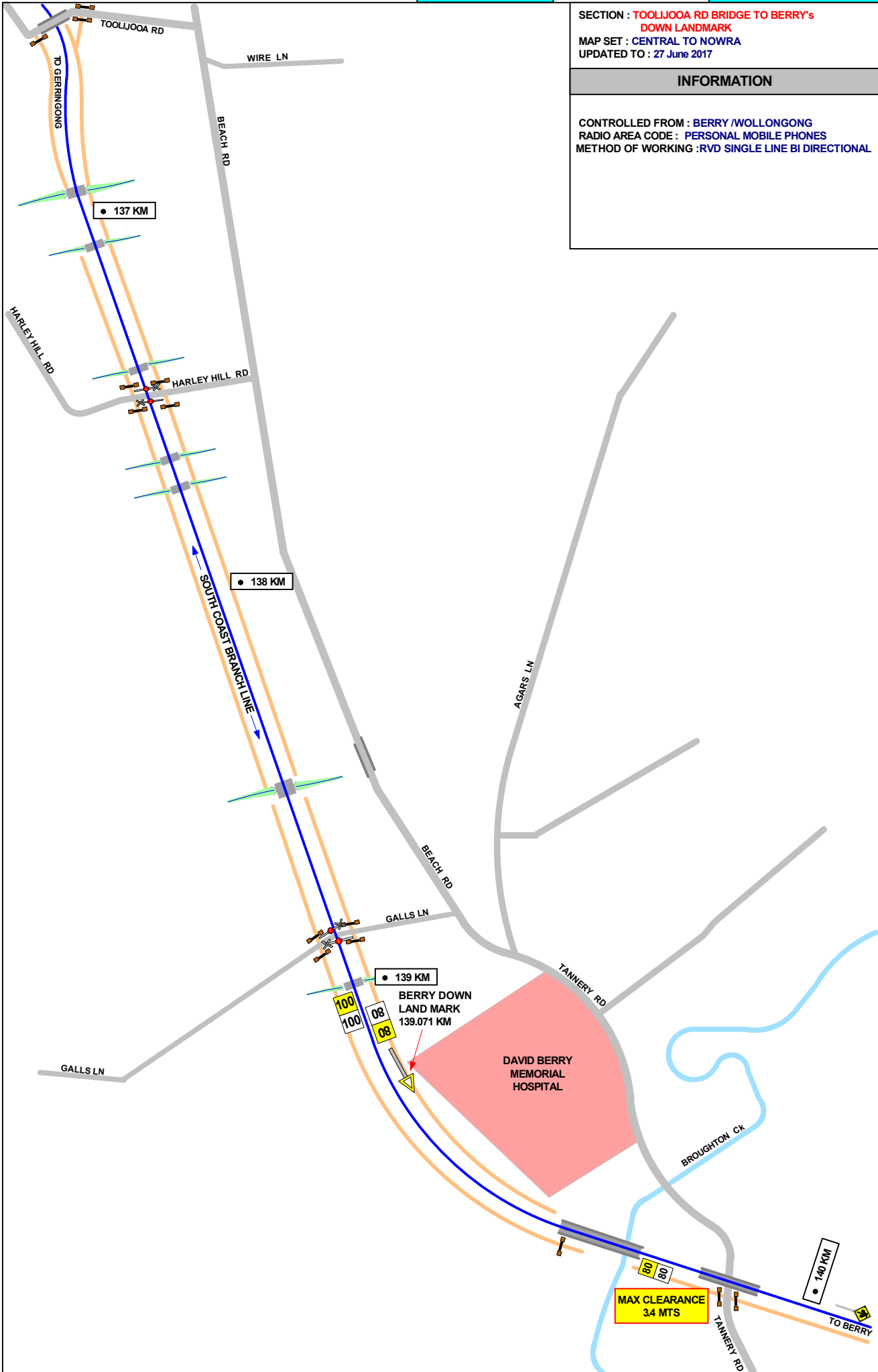
E

SECTION : TOOLJOOA RD BRIDGE TO BERRY'S
DOWN LANDMARK
MAP SET : CENTRAL TO NOWRA
UPDATED TO : 27 June 2017

INFORMATION

CONTROLLED FROM : BERRY /WOLLONGONG
RADIO AREA CODE : PERSONAL MOBILE PHONES
METHOD OF WORKING :RVD SINGLE LINE BI DIRECTIONAL

GRADIENT



1 IN 173

1 IN 165

E

LEVEL

E

1 IN 203

1 IN 315

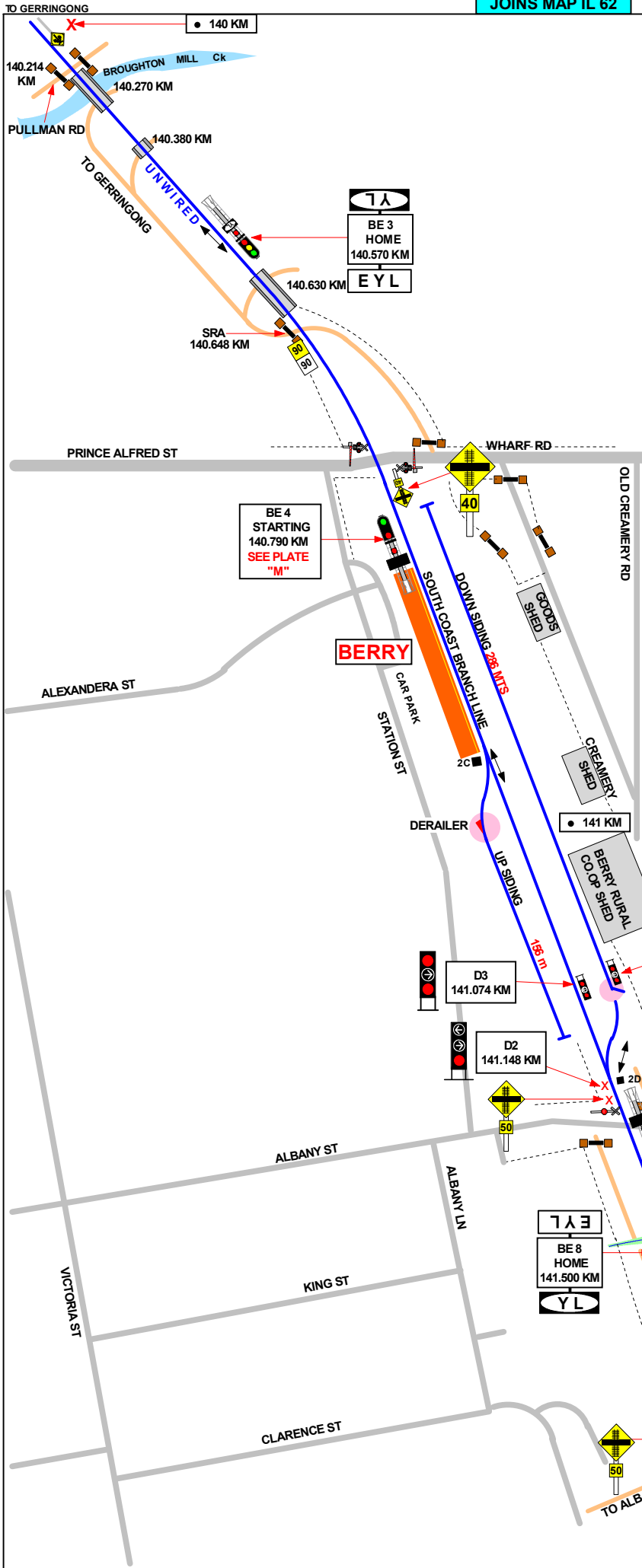
1 IN 365

LEVEL

1 IN 112

1 IN 2200

1 IN 157



SECTION : **BERRY DN LANDMARK TO BERRY UP LANDMARK**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : **1 June 2020**

INFORMATION

CONTROLLED FROM : **BERRY**
 RADIO AREA CODE : **PERSONAL MOBILE PHONES**
 METHOD OF WORKING : **RVD SINGLE LINE BI DIRECTIONAL**

BERRY
 TERMINATING TRAINS (UNDER NORMAL CONDITIONS)

FROM	TERMINATE AT	THEN GO TO
DOWN ILLAWARRA LINE	MAIN LINE	RETURN TO THE UP OR DOWN ILLAWARRA LINES
UP ILLAWARRA LINE	MAIN LINE	RETURN TO THE UP OR DOWN ILLAWARRA LINES

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

PLATE M

GRADIENT
1 IN 157
1 IN 194
LEVEL
1 IN 183
1 IN 943
LEVEL
1 IN 577
LEVEL

SECTION : BERRY'S UP LANDMARK TO JASPER'S BUSH ROAD

MAP SET : CENTRAL TO NOWRA
UPDATED TO :20 October 2014

INFORMATION

CONTROLLED FROM : BERRY / BOMADERRY
RADIO AREA CODE : PERSONAL MOBILE PHONES
METHOD OF WORKING : RVD SINGLE LINE BI DIRECTIONAL

GRADIENT

1 IN 273

1 IN 219

1 IN 291

1 IN 1550

LEVEL

1 IN 410

LEVEL

1 IN 83

1 IN 530

1 IN 367

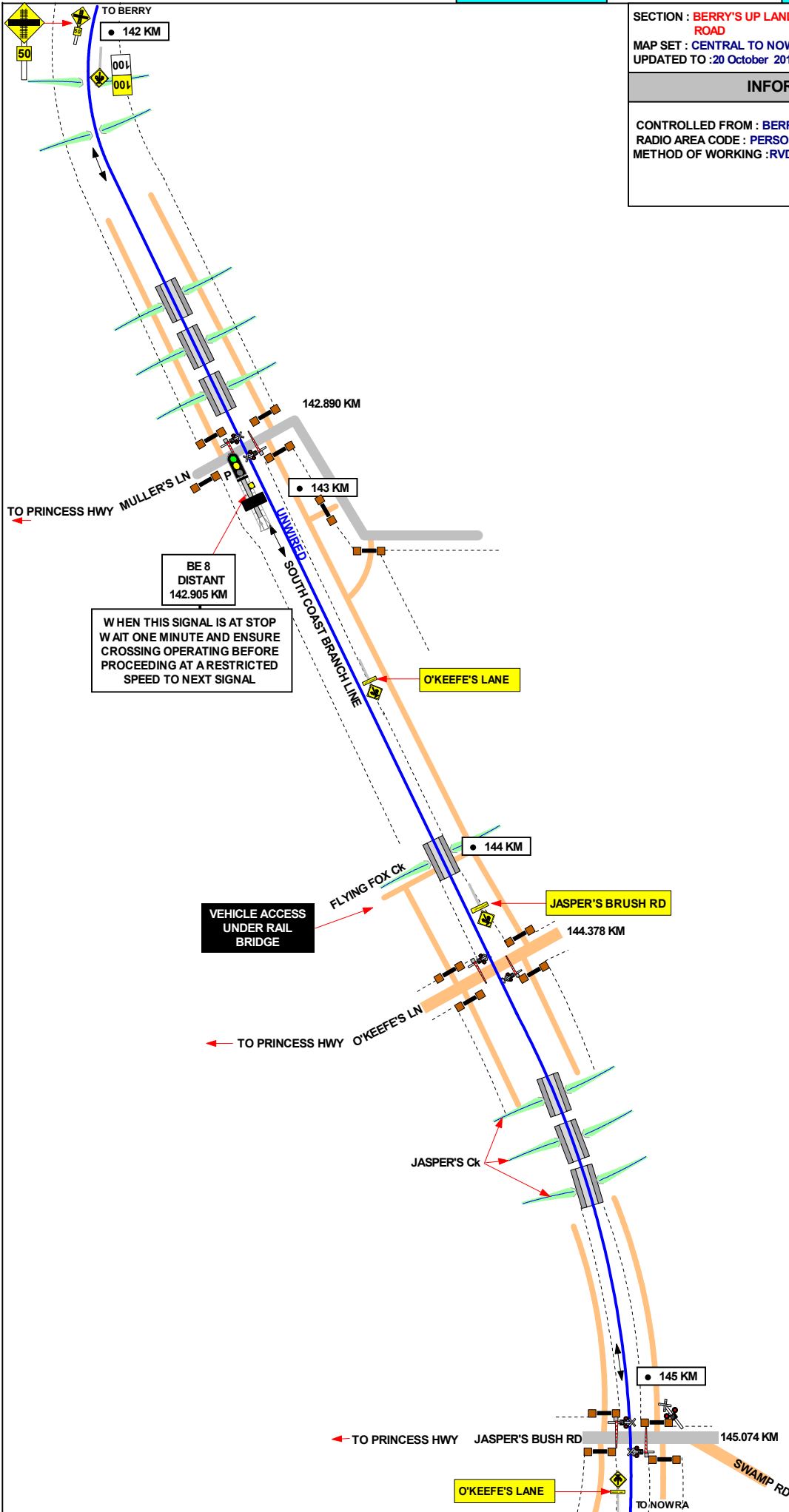
LEVEL

1 IN 564

1 IN 330

1 IN 347

1 IN 300

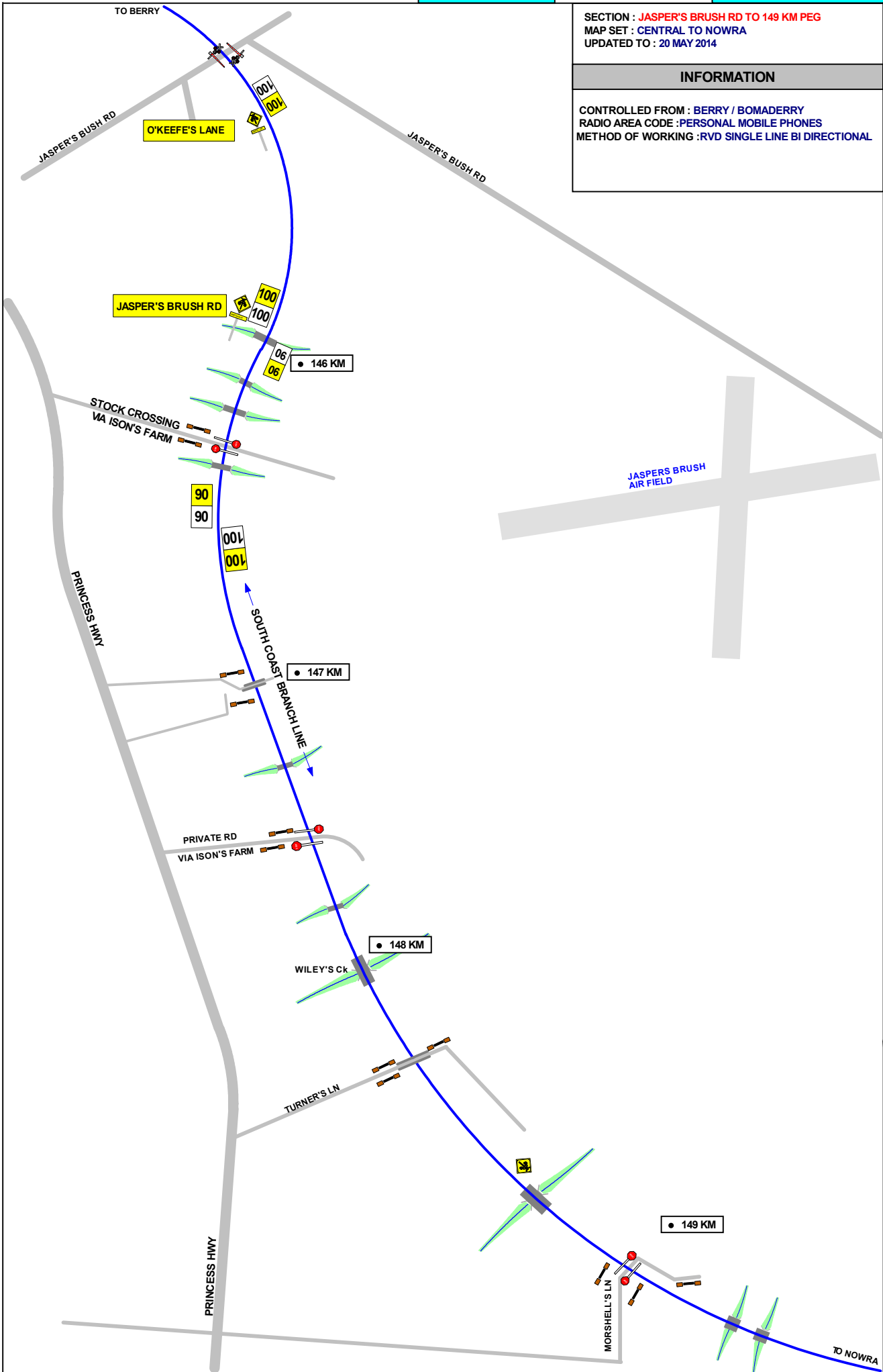


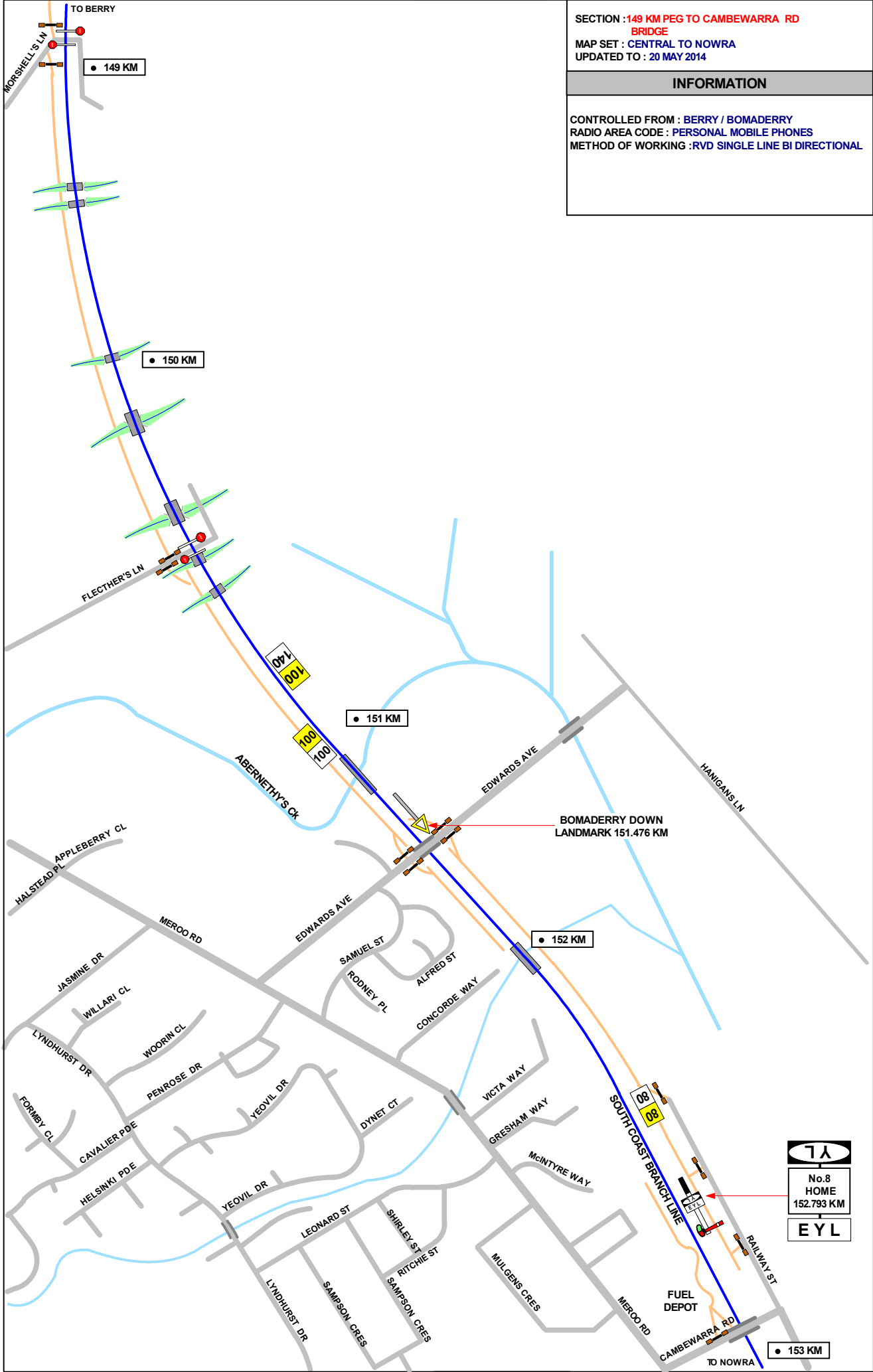
SECTION : **JASPER'S BRUSH RD TO 149 KM PEG**
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 20 MAY 2014

INFORMATION

CONTROLLED FROM : BERRY / BOMADERRY
 RADIO AREA CODE : PERSONAL MOBILE PHONES
 METHOD OF WORKING : RVD SINGLE LINE BI DIRECTIONAL

GRADIENT	
1 IN 388	
1 IN 108	
1 IN 92	
LEVEL	
1 IN 243	
1 IN 157	
1 IN 220	
1 IN 660	
1 IN 184	
1 IN 134	
1 IN 117	
1 IN 77	
1 IN 66	
E	
1 IN 75	
E	



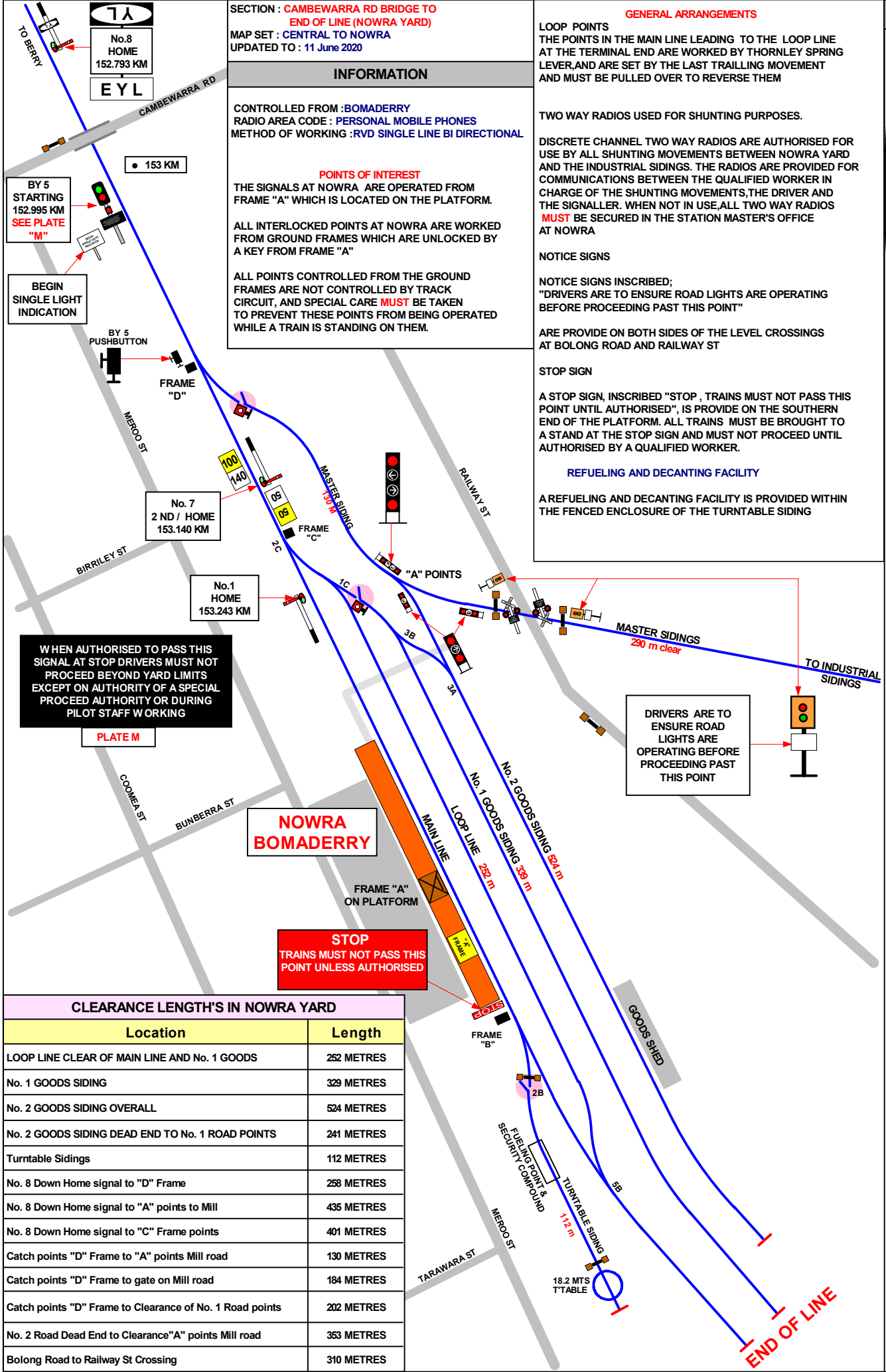


SECTION : 149 KM PEG TO CAMBEWARRA RD
 BRIDGE
 MAP SET : CENTRAL TO NOWRA
 UPDATED TO : 20 MAY 2014

INFORMATION

CONTROLLED FROM : BERRY / BOMADERRY
 RADIO AREA CODE : PERSONAL MOBILE PHONES
 METHOD OF WORKING : RVD SINGLE LINE BI DIRECTIONAL

GRADIENT	
E	1 IN 270
E	1 IN 240
E	1 IN 330
LEVEL	1 IN 1300
LEVEL	1 IN 2200
E	1 IN 94
E	1 IN 144
E	1 IN 3300
E	1 IN 106
E	1 IN 78



SECTION : **CAMBERRA RD BRIDGE TO END OF LINE (NOWRA YARD)**
 MAP SET : **CENTRAL TO NOWRA**
 UPDATED TO : 11 June 2020

INFORMATION

CONTROLLED FROM : **BOMADERRY**
 RADIO AREA CODE : **PERSONAL MOBILE PHONES**
 METHOD OF WORKING : **RVD SINGLE LINE BI DIRECTIONAL**

POINTS OF INTEREST

THE SIGNALS AT NOWRA ARE OPERATED FROM FRAME "A" WHICH IS LOCATED ON THE PLATFORM.

ALL INTERLOCKED POINTS AT NOWRA ARE WORKED FROM GROUND FRAMES WHICH ARE UNLOCKED BY A KEY FROM FRAME "A"

ALL POINTS CONTROLLED FROM THE GROUND FRAMES ARE NOT CONTROLLED BY TRACK CIRCUIT, AND SPECIAL CARE **MUST** BE TAKEN TO PREVENT THESE POINTS FROM BEING OPERATED WHILE A TRAIN IS STANDING ON THEM.

GENERAL ARRANGEMENTS

LOOP POINTS
 THE POINTS IN THE MAIN LINE LEADING TO THE LOOP LINE AT THE TERMINAL END ARE WORKED BY THORNLEY SPRING LEVER, AND ARE SET BY THE LAST TRAILLING MOVEMENT AND MUST BE PULLED OVER TO REVERSE THEM

TWO WAY RADIOS USED FOR SHUNTING PURPOSES.

DISCRETE CHANNEL TWO WAY RADIOS ARE AUTHORISED FOR USE BY ALL SHUNTING MOVEMENTS BETWEEN NOWRA YARD AND THE INDUSTRIAL SIDINGS. THE RADIOS ARE PROVIDED FOR COMMUNICATIONS BETWEEN THE QUALIFIED WORKER IN CHARGE OF THE SHUNTING MOVEMENTS, THE DRIVER AND THE SIGNALLER. WHEN NOT IN USE, ALL TWO WAY RADIOS **MUST** BE SECURED IN THE STATION MASTER'S OFFICE AT NOWRA

NOTICE SIGNS

NOTICE SIGNS INSCRIBED:
 "DRIVERS ARE TO ENSURE ROAD LIGHTS ARE OPERATING BEFORE PROCEEDING PAST THIS POINT"

ARE PROVIDED ON BOTH SIDES OF THE LEVEL CROSSINGS AT BOLONG ROAD AND RAILWAY ST

STOP SIGN

A STOP SIGN, INSCRIBED "STOP, TRAINS MUST NOT PASS THIS POINT UNTIL AUTHORISED", IS PROVIDED ON THE SOUTHERN END OF THE PLATFORM. ALL TRAINS MUST BE BROUGHT TO A STAND AT THE STOP SIGN AND MUST NOT PROCEED UNTIL AUTHORISED BY A QUALIFIED WORKER.

REFUELING AND DECANTING FACILITY

A REFUELING AND DECANTING FACILITY IS PROVIDED WITHIN THE FENCED ENCLOSURE OF THE TURNABLE SIDING

GRADIENT
1 IN 132
1 IN 150
E
1 IN 1071
E
1 IN 66
1 IN 428
1 IN 213
LEVEL
E

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

PLATE M

DRIVERS ARE TO ENSURE ROAD LIGHTS ARE OPERATING BEFORE PROCEEDING PAST THIS POINT

CLEARANCE LENGTH'S IN NOWRA YARD

Location	Length
LOOP LINE CLEAR OF MAIN LINE AND No. 1 GOODS	252 METRES
No. 1 GOODS SIDING	329 METRES
No. 2 GOODS SIDING OVERALL	524 METRES
No. 2 GOODS SIDING DEAD END TO No. 1 ROAD POINTS	241 METRES
Turntable Sidings	112 METRES
No. 8 Down Home signal to "D" Frame	258 METRES
No. 8 Down Home signal to "A" points to Mill	435 METRES
No. 8 Down Home signal to "C" Frame points	401 METRES
Catch points "D" Frame to "A" points Mill road	130 METRES
Catch points "D" Frame to gate on Mill road	184 METRES
Catch points "D" Frame to Clearance of No. 1 Road points	202 METRES
No. 2 Road Dead End to Clearance "A" points Mill road	353 METRES
Bolong Road to Railway St Crossing	310 METRES