

# DRIVERS ROUTE KNOWLEDGE DIAGRAMS

## MAIN WEST LINE

LIDCOMBE

AUBURN

CLYDE

GRANVILLE

HARRIS PARK

PARRAMATTA

WESTMEAD

WENTWORTHVILLE

PENDLE HILL

TOONGABBIE

SEVEN HILLS

BLACKTOWN

DOONSIDE

ROOTY HILL

MOUNT DRUITT

ST MARYS

WERRINGTON

KINGSWOOD

PENRITH

EMU PLAINS

**Effective Date:** April 2025

**Version:** 5.13

### Explanatory Notes:

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

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

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**Location:** CM Record No.D2015/573

SECTION : LIDCOMBE TO AUBURN

MAP SET : LIDCOMBE TO EMU PLAINS

PAGE : 1 OF 2

UPDATED TO : 10 March 2025

## INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 038 (LIDCOMBE)

039 (AUBURN)

## APPENDICES

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

## SPECIAL POINTS OF INTEREST

## LIDCOMBE


## TONNEAGE SIGNALS

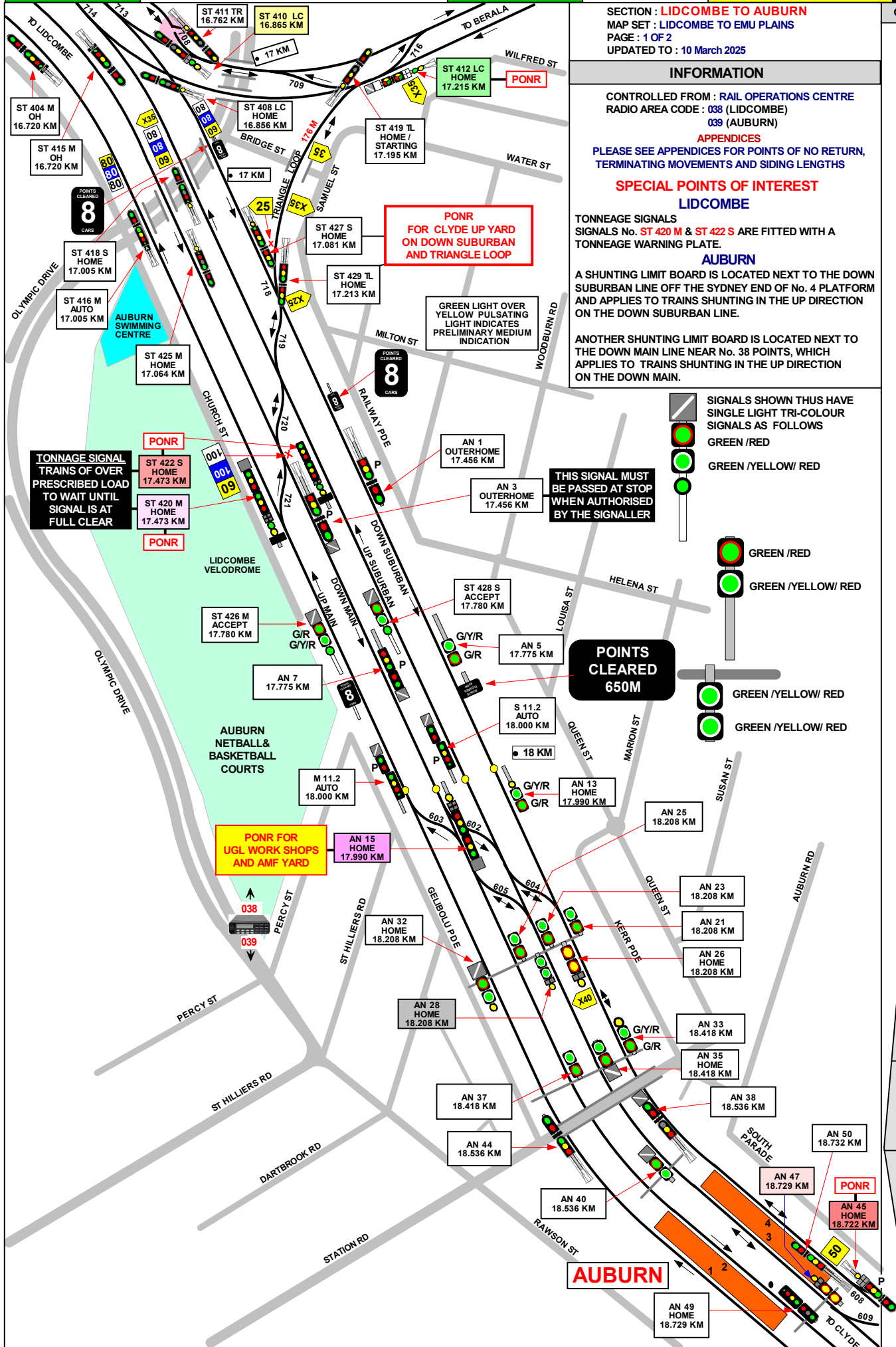
SIGNALS No. ST 420 M & ST 422 S ARE FITTED WITH A  
TONNEAGE WARNING PLATE.

## AUBURN

A SHUNTING LIMIT BOARD IS LOCATED NEXT TO THE DOWN  
SUBURBAN LINE OFF THE SYDNEY END OF No. 4 PLATFORM  
AND APPLIES TO TRAINS SHUNTING IN THE UP DIRECTION  
ON THE DOWN SUBURBAN LINE.ANOTHER SHUNTING LIMIT BOARD IS LOCATED NEXT TO  
THE DOWN MAIN LINE NEAR No. 38 POINTS, WHICH  
APPLIES TO TRAINS SHUNTING IN THE UP DIRECTION  
ON THE DOWN MAIN.SIGNALS SHOWN THUS HAVE  
SINGLE LIGHT TRI-COLOUR  
SIGNALS AS FOLLOWS  
GREEN / RED

GREEN / YELLOW / RED


 GREEN / RED  
 GREEN / YELLOW / RED
THIS SIGNAL MUST  
BE PASSED AT STOP  
WHEN AUTHORISED  
BY THE SIGNALLERPOINTS  
CLEARED  
650M

 GREEN / YELLOW / RED  
 GREEN / YELLOW / RED


SIGNAL	DESTINATION	INDICATION
AN 15	DOWN SUBURBAN (M)	D
	DOWN SUBURBAN (S)	DS
	UP SUBURBAN (M)	U
	UP SUBURBAN (S)	US
	DOWN MAIN (M)	-
	DOWN MAIN (S)	DM

SECTION : LIDCOMBE TO AUBURN

MAP SET : LIDCOMBE TO EMU PLAINS

PAGE : 2 OF 2

UPDATED TO : 10 March 2025

## APPENDICES

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

SIGNAL	DESTINATION	INDICATION
AN 26	UP SUBURBAN (M)	-
	UP SUBURBAN (S)	US

SIGNAL	DESTINATION	INDICATION
AN 28	UP MAIN (M)	---
	UP MAIN (S)	UM
	UP SUBURBAN (M)	---
	UP SUBURBAN (S)	US

SIGNAL	DESTINATION	INDICATION
AN 45	ARRIVAL ROADS (S)	AR
	STORAGE ROADS (S)	SR
	DOWN SUBURBAN (S)	---
	DOWN SUBURBAN (S)	DS

SIGNAL	DESTINATION	INDICATION
AN 47	STORAGE ROADS (S)	SR
	DOWN SUBURBAN (S)	---
	DOWN SUBURBAN (S)	DS

SIGNAL	DESTINATION	INDICATION
ST 410 LC	DOWN SUBURBAN (M)	---
	DOWN SUBURBAN (S)	DS
	TURNBACK ROAD (M) LSp	TR
	TURNBACK ROAD (S)	TR

SIGNAL	DESTINATION	INDICATION
ST 412 LC	TRIANGLE LOOP (M) Lsp	L
	TRIANGLE LOOP (M)	L
	TRIANGLE LOOP (S)	L
	UP MAIN SOUTH (M) LSp	UM
	UP MAIN SOUTH (M)	-
	UP MAIN SOUTH (S)	UM
	DOWN MAIN SOUTH (M)	D
	DOWN MAIN SOUTH (S)	DM

SIGNAL	DESTINATION	INDICATION
ST 420 M	UP MAIN (M) LSp	UM
	UP MAIN (S)	---
	UP MAIN (M)	UM
	UP SUBURBAN (M)	S
	UP SUBURBAN (S)	US
	TRIANGLE LOOP (M)	L
	TRIANGLE LOOP (S)	TL

SIGNAL	DESTINATION	INDICATION
ST 422 S	UP SUBURBAN (M) LSp	US
	UP SUBURBAN (M)	---
	UP SUBURBAN (S)	US
	TRIANGLE LOOP (M)	---
	TRIANGLE LOOP (S)	TL





GRADIENT	SIGNAL	DESTINATION	INDICATION	SIGNAL	DESTINATION	INDICATION
LEVEL	AN 45	ARRIVAL ROADS ( S )	AR	AN 78	UP SUBURBAN ( M )	
		STORAGE ROADS ( S )	SR		UP SUBURBAN ( S )	
		DOWN SUBURBAN ( M )	----			
		DOWN SUBURBAN ( S )	DS	SIGNAL	DESTINATION	INDICATION
1 IN 1320	AN 47	STORAGE ROADS ( S )	SR	AN 82	UP SUBURBAN ( M )	U
		DOWN SUBURBAN ( M )	----		UP SUBURBAN ( S )	US
		DOWN SUBURBAN ( S )	DS		DOWN SUBURBAN ( M )	D
					DOWN SUBURBAN ( S )	DS
E	AN 56	DOWN SUBURBAN ( S )	DS	AN 86	UP MAIN ( M )	
					UP MAIN ( S )	
	AN 57	WORK SHOPS ( S )	WS	SIGNAL	DESTINATION	INDICATION
		ARRIVAL ROADS ( S )	AR	AN 502	UP MAIN ( M )	
1 IN 132	AN 61	ARRIVAL ROAD 3 ( S )	A3		UP MAIN ( S )	
		ARRIVAL ROAD 2 ( S )	A2	SIGNAL	DESTINATION	INDICATION
		ARRIVAL ROAD 1 ( S )	A1	AN 503	DOWN THROUGH ROAD ( S )	DT
		STORAGE ROAD 6 ( S )	S6		UP THROUGH ROAD ( S )	UT
E	AN 72	STORAGE ROAD 5 ( S )	S5	AN 72 CO-ACT	UP SUBURBAN ( M )	U
		UP SUBURBAN ( M )	U		UP SUBURBAN ( S )	US
		UP SUBURBAN ( S )	US		DOWN SUBURBAN ( M )	D
		DOWN SUBURBAN ( M )	D		DOWN SUBURBAN ( S )	DS
1 IN 100	AN 73	DOWN SUBURBAN ( S )	DS	SIGNAL	DESTINATION	INDICATION
		DOWN RELIEF ( M )	----	AN 75	DOWN MAIN ( M )	----
		DOWN RELIEF ( S )	DR		DOWN MAIN ( S )	DM
		DOWN SUBURBAN ( M )	----		DOWN THROUGH ROAD ( S )	DT
1 IN 100	AN 77	DOWN THROUGH ROAD ( S )	DT	SIGNAL	DESTINATION	INDICATION
		UP THROUGH ROAD ( S )	UT	AN 77	DOWN THROUGH ROAD ( S )	DT
					UP THROUGH ROAD ( S )	UT

SECTION : **AUBURN TO CLYBURN**  
MAP SET : **LIDCOMBE TO EMU PLAINS**  
PAGE: 2 OF 2  
UPDATED TO: 10 March 2025

## INFORMATION

CONTROLLED FROM: **AUBURN**  
**CLYDE (MAIN LINE)**  
**RAIL OPERATIONS**  
**CENTRE (SUBURBAN)**  
**AMC YARD MASTER**

RADIO AREA CODE : **039 (AUBURN)**  
**040 (CLYDE)**  
**041 (GRANVILLE)**  
**847 (AMF)**  
**869 (DOWN RELIEF)**

**NOTE : TO MANUALLY CONTACT AMF VIA METRONET USE AREA CODE 947.**  
**DOWN RELIEF MANUAL RADIO CODE 969**

## APPENDICES

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

## SPECIAL POINTS OF INTEREST

## AUBURN

A SHUNTING LIMIT BOARD IS LOCATED NEXT TO THE DOWN SUBURBAN LINE OFF THE SYDNEY END OF No. 4 PLATFORM AND APPLIES TO TRAINS SHUNTING IN THE UP DIRECTION ON THE DOWN SUBURBAN LINE.

ANOTHER SHUNTING LIMIT BOARD IS LOCATED NEXT TO THE DOWN MAIN LINE NEAR No. 38 POINTS, WHICH APPLIES TO TO TRAINS SHUNTING IN THE UP DIRECTION ON THE DOWN MAIN.

WALKING  
PATH  
TO  
YARD MASTERS  
OFFICE

RADIO  
TRANSPONDER

SIGN  
No. 1

END SIGNALLER  
AUTHORITY  
DO NOT PROCEED  
UNLESS  
AUTHORISED

SIGN  
No. 2

STOP  
DO NOT PROCEED  
PAST THIS POINT

SIGN  
No. 3

DO NOT PROCEED  
UNLESS  
AUTHORISED

SIGN  
No. 4

END SIGNALLER  
AUTHORITY  
DO NOT PROCEED  
UNLESS  
AUTHORISED  
EYL  
YL

SIGN  
No. 5

STOP  
DO NOT PROCEED  
PAST THIS POINT  
EYL  
YL

STOP BOARD  
" A "



STOP BOARD  
" B "



STOP BOARD  
" C "



## WORKING OF TRAINS IN AND OUT OF MAINTRAIN

TRAINS ENTERING MAINTRAIN ARE WORKED IN THE FOLLOWING MANNER

THE DRIVER WILL STOP SHORT OF THE FIRST STOP BOARD AT 18.953 KM, WHERE THE GUARD / OBSERVER WILL CONTACT THE SIGNALLER AT AUBURN AND OBTAIN PERMISSION TO PROCEED PAST THE STOP BOARD TO MAINTRAIN HE / SHE WILL THEN CHECK ALL POINTS ARE CORRECTLY SET AND THEN INSTRUCT THE DRIVER TO PROCEED ACCOMPANYING HIM TO THE SECOND STOP BOARD ( STOP BOARD " A " AT RIGHT ) AT THE APPROACH SIDE OF THE FACING POINTS TO MAINTRAIN.

IF No. 2 SIDING (ARRIVAL ROAD) IS UNOCCUPIED INSTRUCT DRIVER TO PROCEED TO THE STOP BOARD CLEAR OF No. 1 SIDING AT (19.212 KM). IF No. 2 SIDING IS OCCUPIED OBTAIN THE PERMISSION OF THE MAINTRAIN SHUNTER TO PROCEED INTO No. 1 SIDING (DEPARTURE ROAD) AS FAR AS STOPBOARD CLEAR OF No. 2 SIDING (19.212 KM). (STOP BOARD "B" AT RIGHT) WHEN IN CLEAR THE TRAIN IS TO BE STABLED (PANTOGRAPHS LOWERED), ALL PARKING BRAKES APPLIED AND THE WHEELS CHOCKED.

WHEN DEPARTING FROM MAINTRAIN

MAINTRAIN STAFF WILL LEAVE A CERTIFICATE IN THE SYDNEY END DRIVERS CAB STATING THAT THE TRAIN IS IN A FIT CONDITION TO TRAVEL TO A MAINTENANCE CENTRE. PREPARE TRAIN READY FOR DEPARTURE ,TAKE PARTICULAR NOTE THAT BRAKES ARE CUT IN AND WORKING CORRECTLY

THE GUARD / OBSERVER OBTAINS PERMISSION FROM THE SIGNALLER AT AUBURN TO PROCEED TO SIGNAL No. **22 U** AND INSTRUCTS THE DRIVER TO PROCEED .

THE DRIVER AFTER RECEIVING INSTRUCTIONS FROM THE GUARD / OBSERVER WILL PROCEED PAST THE STOP BOARD ( STOP BOARD " C " AT RIGHT ) TO SIGNAL No. **22 U** PREPARED TO STOP SHORT OF ANY OBSTRUCTION AND THEN FOLLOW THE INDICATION ON THAT SIGNAL.

SECTION : AUBURN TO CLYDE  
 MAP SET : LIDCOMBE TO EMU PLAINS  
 PAGE: 1 OF 2  
 UPDATED TO : 11 March 2025

## INFORMATION

## CONTROLLED FROM:

AUBURN  
 CLYDE (MAIN LINE)  
 RAIL OPERATIONS  
 CENTRE (SUBURBAN)  
 AMF YARD MASTER

RADIO AREA CODE : 039 (AUBURN)  
 040 (CLYDE)  
 041 (GRANVILLE)

5 R 20.556 KM	6 L 20 20.575 KM	7 R 7 L 10 20.397 KM	9 L 9 R 20.341 KM
24 L 24 R 20.257 KM	72 L 72 R 20.473 KM	73 L 73 R 20.396 KM	75 L 20.256 KM
75 R 20.333 KM	76 R 20.205 KM	76 L 20.214 KM	AY 994 20.468 KM
M 12.78 20.564 KM	77 R 20.070 KM	77 L 20.070 KM	78 19.988 KM
CL 103 HOME 19.665 KM	CL 115 19.975 KM	CL 117 HOME 19.975 KM	CL 122 20.170 KM
CL 142 HOME 20.393 KM	M 12.15 AUTO 19.572 KM	M 12.44 AUTO 19.992 KM	M12.43 ACCEPT 20.002 KM
M12.67 HOME 20.398 KM	GE 203 HOME 20.398 KM	S 12.44 AUTO 19.992 KM	C12.78 HOME 20.571 KM
M12.68 HOME 20.393 KM			

STOP

LOCOMOTIVES  
 MUST NOT PASS  
 THIS POINT UNTIL  
 AUTHORISED  
 TO DO SO BY A  
 SHUNTER

END SIGNALLED  
 AUTHORITY. DO NOT  
 PROCEED UNLESS  
 AUTHORISED

MAINTENANCE  
 VEHICLES ONLY

ELECTRIC  
TRAINS  
STOPPONR  
FOR  
AMC  
YARD

TRANSFER ROAD  
 BYPASS ROAD

CLYDE

SECTION : CLYBURN TO CLYDE  
 MAP SET : LIDCOMBE TO EMU PLAINS  
 PAGE : 2 OF 2  
 UPDATED TO : 11 March 2025

SIGNAL	DESTINATION	INDICATION
6 L 20	UP YARD (S)	UY

SIGNAL	DESTINATION	INDICATION
7R 7L 10	UP THROUGH ROAD (S)	UT
	DOWN THROUGH ROAD (S)	DT
	CAR SIDINGS (S)	CS

SIGNAL	DESTINATION	INDICATION
9L 9R	UP WEIGHBRIDGE ROAD (S)	UW
	UP THROUGH ROAD(S)	UT

SIGNAL	DESTINATION	INDICATION
24 L 24 R	FIVE ROAD (S)	5
	DOWN THROUGH ROAD (S)	DT

SIGNAL	DESTINATION	INDICATION
72 L 72 R	BACK PLATFORM (S)	BP
	RUN ROUND (S)	RR

SIGNAL	DESTINATION	INDICATION
73 L 73 R	DOWN MAIN (S)	DM
	RUN ROUND (S)	RR

SIGNAL	DESTINATION	INDICATION
76 L	UP THROUGH ROAD (S)	UT

SIGNAL	DESTINATION	INDICATION
76R	UP THROUGH ROAD (S)	UT

SIGNAL	DESTINATION	INDICATION
AY 990	STANDING ROAD WEST 1	1
	STANDING ROAD WEST 2	2
	STANDING ROAD WEST 3	3
	STANDING ROAD WEST 4	4
	STANDING ROAD WEST 5	5
	STANDING ROAD WEST 6	6

SIGNAL	DESTINATION	INDICATION
AY 994	DOWN RELIEF (S)	DR
	STANDING ROADS (S)	SR
	BYPASS ROAD (S)	BP
	TRANSFER ROAD (S)	TR

SIGNAL	DESTINATION	INDICATION
C12.78	UP YARD (S)	UY
	UP MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
CL 115	DOWN RELIEF (S)	DR
	DOWN SUBURBAN (S)	DS

SIGNAL	DESTINATION	INDICATION
CL 117	DOWN RELIEF (S)	DR
	DOWN SUBURBAN (M)	--
	DOWN SUBURBAN (S)	DS

SIGNAL	DESTINATION	INDICATION
CL 142	UP SUBURBAN (M)	
	UP SUBURBAN (S)	US
	DOWN RELIEF (S)	DR

SIGNAL	DESTINATION	INDICATION
M12.78	UP YARD (S)	UY
	UP MAIN (S)	UM

SECTION : **CLYDE TO GRANVILLE**  
**CLYDE TO PARRAMATTA ROAD**  
 MAP SET : LIDCOMBE TO EMU PLAINS  
 UPDATED TO : 12 March 2025

## INFORMATION

CONTROLLED FROM:

AUBURN  
 CLYDE (MAIN LINE)  
 RAIL OPERATIONS CENTRE (SUBURBAN)  
 AMF YARD MASTER

RADIO AREA CODE : 039 (AUBURN)  
 040 (CLYDE)  
 041 (GRANVILLE)

NOTE : TO MANUALLY CONTACT AMF VIA  
 METRONET USE AREA CODE 947.  
 DOWN RELIEF MANUAL RADIO CODE 969

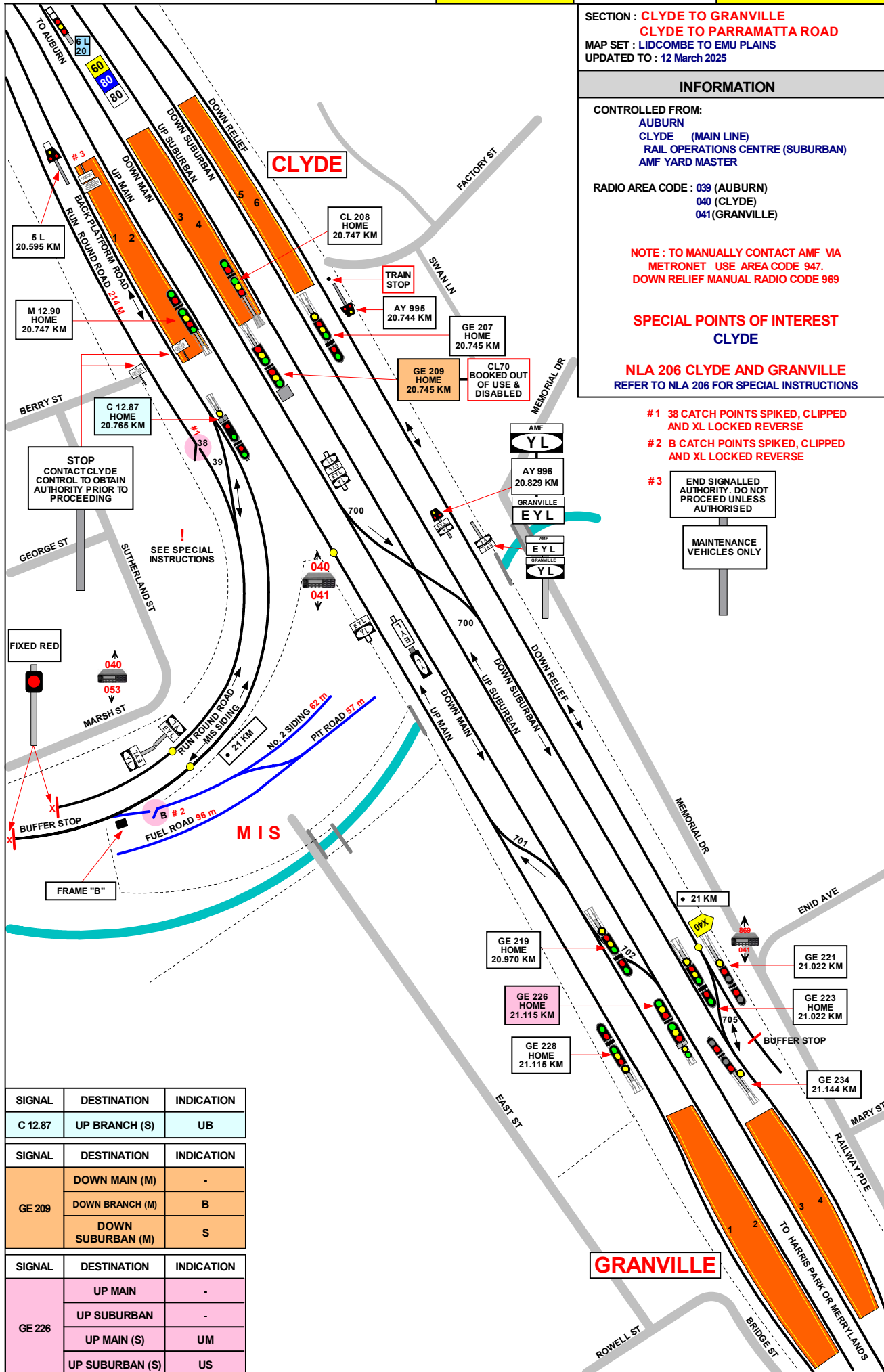
**SPECIAL POINTS OF INTEREST**  
**CLYDE**

**NLA 206 CLYDE AND GRANVILLE**  
 REFER TO NLA 206 FOR SPECIAL INSTRUCTIONS

- #1 38 CATCH POINTS SPIKED, CLIPPED  
 AND XL LOCKED REVERSE  
 #2 B CATCH POINTS SPIKED, CLIPPED  
 AND XL LOCKED REVERSE

- #3 END SIGNALLED  
 AUTHORITY. DO NOT  
 PROCEED UNLESS  
 AUTHORISED

MAINTENANCE  
 VEHICLES ONLY



SIGNAL	DESTINATION	INDICATION
C 12.87	UP BRANCH (S)	UB
SIGNAL	DESTINATION	INDICATION
GE 209	DOWN MAIN (M)	-
	DOWN BRANCH (M)	B
	DOWN SUBURBAN (M)	S
SIGNAL	DESTINATION	INDICATION
GE 226	UP MAIN	-
	UP SUBURBAN	-
	UP MAIN (S)	UM
	UP SUBURBAN (S)	US



SECTION : **GRANVILLE TO HARRIS PARK**MAP SET : **LIDCOMBE TO EMU PLAINS**UPDATED TO : **10 March 2025**

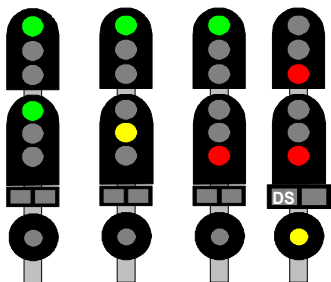
Page: 1 of 2

**INFORMATION**CONTROLLED FROM : **RAIL OPERATIONS CENTRE**RADIO AREA CODE : **041 (GRANVILLE)****SPECIAL POINTS OF INTEREST  
GRANVILLE**

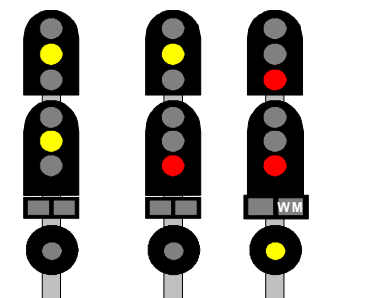
THE POINTS AND SIGNALS AT GRANVILLE, PARRAMATTA, WESTMEAD AND THE JUNCTIONS AT BOTH ENDS OF THE SOUTH WEST OUTER AND SOUTH WEST INNER LINES ARE ALL PART OF THE GRANVILLE INTERLOCKING.

THE SHUNTING NECK IS APPROXIMATELY 260 METRES LONG AND HOLDS AROUND 12 CARS.

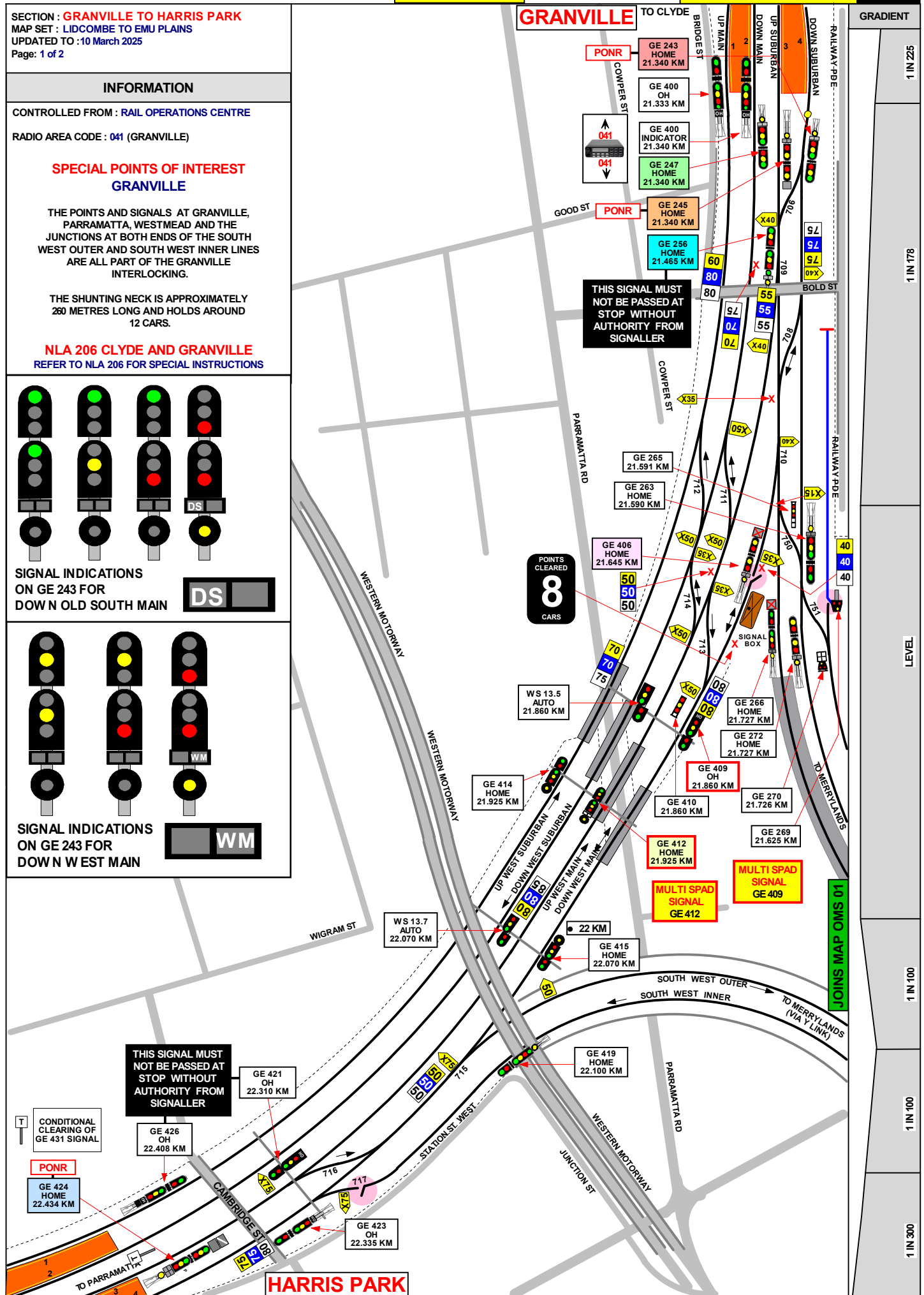
**NLA 206 CLYDE AND GRANVILLE**  
REFER TO NLA 206 FOR SPECIAL INSTRUCTIONS



**SIGNAL INDICATIONS  
ON GE 243 FOR  
DOWN OLD SOUTH MAIN**



**SIGNAL INDICATIONS  
ON GE 243 FOR  
DOWN WEST MAIN**



SIGNAL	DESTINATION	INDICATION
GE 243	DOWN OLD SOUTH MAIN (M)	-
	DOWN WEST MAIN (M)	-
	DOWN OLD SOUTH MAIN (S)	DS
	DOWN WEST MAIN (S)	WM

SIGNAL	DESTINATION	INDICATION
GE 245	DOWN WEST MAIN (S)	WM
	DOWN OLD SOUTH MAIN (M)	S
	DOWN WEST MAIN (M)	W
	UP OLD SOUTH MAIN (S)	US

SIGNAL	DESTINATION	INDICATION
GE 247	DOWN WEST MAIN (M)	-
	DOWN WEST SUBURBAN (M)	-
	DOWN WEST MAIN (S)	WM
	DOWN WEST SUBURBAN (S)	WS

SIGNAL	DESTINATION	INDICATION
GE 256	UP SUBURBAN (M)	-
	UP SUBURBAN (S)	US
	DOWN SUBURBAN (M)	-
	DOWN SUBURBAN (S)	DS

SIGNAL	DESTINATION	INDICATION
GE 406	UP SUBURBAN (M)	-
	UP SUBURBAN (S)	US
	DOWN SUBURBAN (S)	DS

SIGNAL	DESTINATION	INDICATION
GE 412	UP MAIN (M)	-
	UP SUBURBAN (M)	DS
	UP MAIN (S)	
	UP SUBURBAN (S)	US

SIGNAL	DESTINATION	INDICATION
GE 424	UP WEST MAIN (M)	-
	DOWN WEST MAIN (M)	D
	SOUTH WEST OUTER (M)	S
	UP WEST MAIN (S)	UW
	DOWN WEST MAIN (S)	DW
	SOUTH WEST OUTER (S)	SO

SECTION : **GRANVILLE TO HARRIS PARK**  
MAP SET : LIDCOMBE TO EMU PLAINS  
UPDATED TO : 10 March 2025  
Page: 2 of 2

#### INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 041 (GRANVILLE)

#### SPECIAL POINTS OF INTEREST GRANVILLE

THE POINTS AND SIGNALS AT GRANVILLE, PARRAMATTA, WESTMEAD AND THE JUNCTIONS AT BOTH ENDS OF THE SOUTH WEST OUTER AND SOUTH WEST INNER LINES ARE ALL PART OF THE GRANVILLE INTERLOCKING.

THE SHUNTING NECK IS APPROXIMATELY 260 METRES LONG AND HOLDS AROUND 12 CARS.

SIGNAL	DESTINATION	INDICATION
GE 424	UP WEST MAIN (M)	-
	DOWN WEST MAIN (M)	D
	SOUTH WEST OUTER (M)	S
	UP WEST MAIN (S)	UW
	DOWN WEST MAIN (S)	DW
	SOUTH WEST OUTER (S)	SO









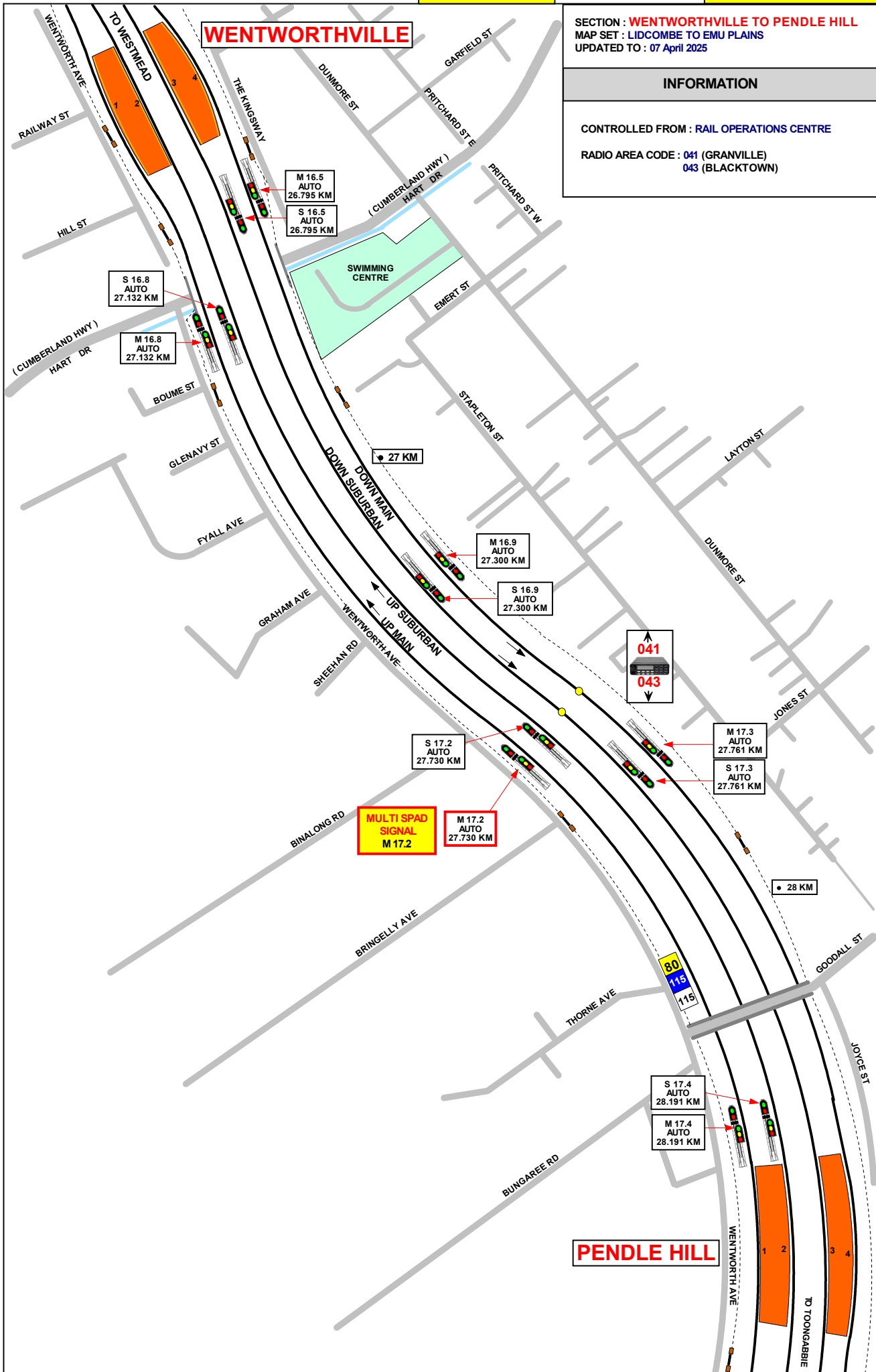
## WENTWORTHVILLE

SECTION : WENTWORTHVILLE TO PENDLE HILL  
 MAP SET : LIDCOMBE TO EMU PLAINS  
 UPDATED TO : 07 April 2025

## INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 041 (GRANVILLE)  
 043 (BLACKTOWN)



PENDLE HILL

S 17.7 DN  
SUBURBAN WEST

SKS LIMIT  
DOWN SUBURBAN  
WEST  
SIGNAL S17.7 TO  
SIGNAL BN3 S

SECTION : PENDLE HILL TO TOONGABBIE  
MAP SET : LIDCOMBE TO EMU PLAINS  
UPDATED TO : 10 March 2025

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 041 (GRANVILLE)  
043 (BLACKTOWN)

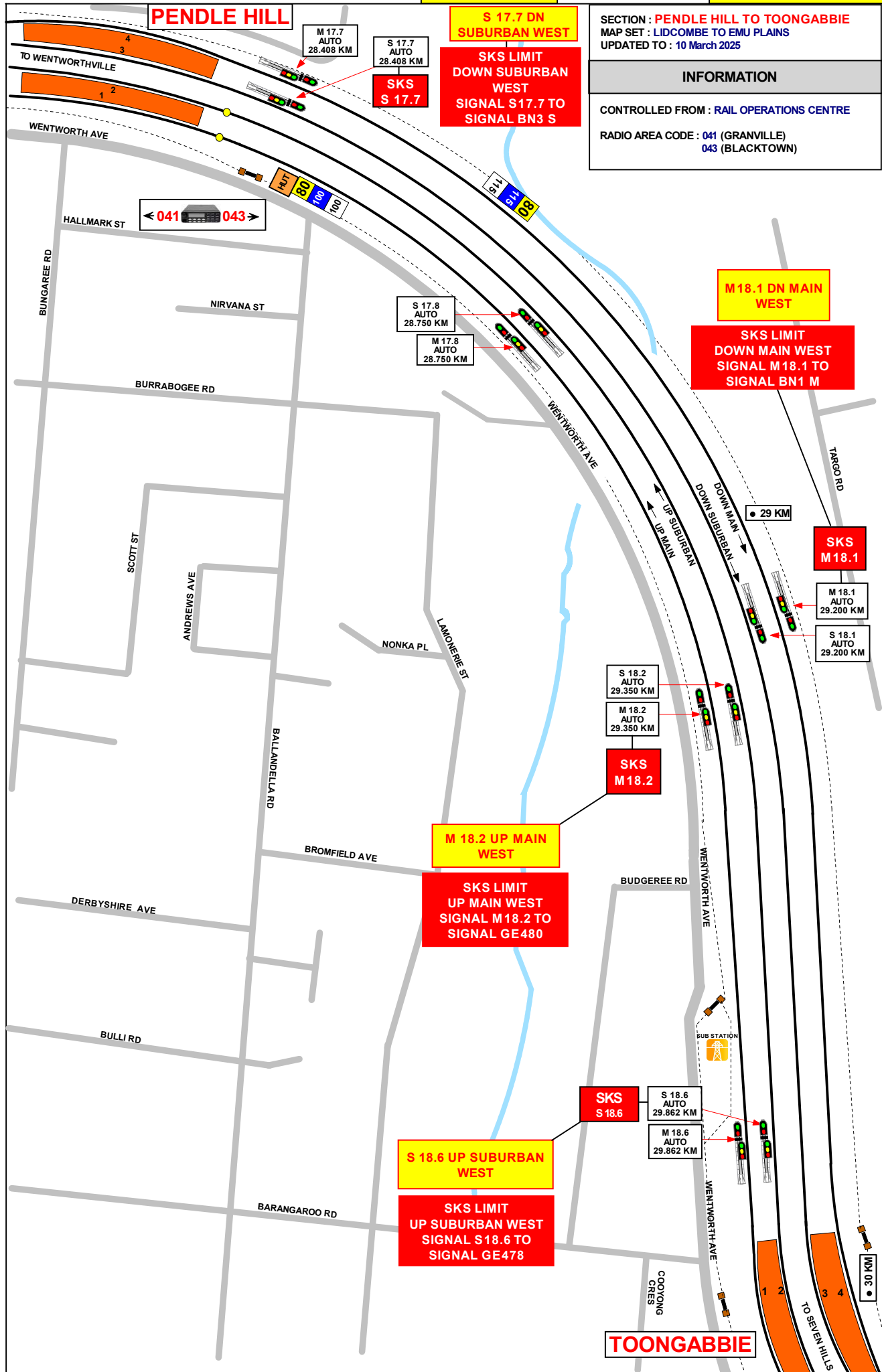
GRADIENT

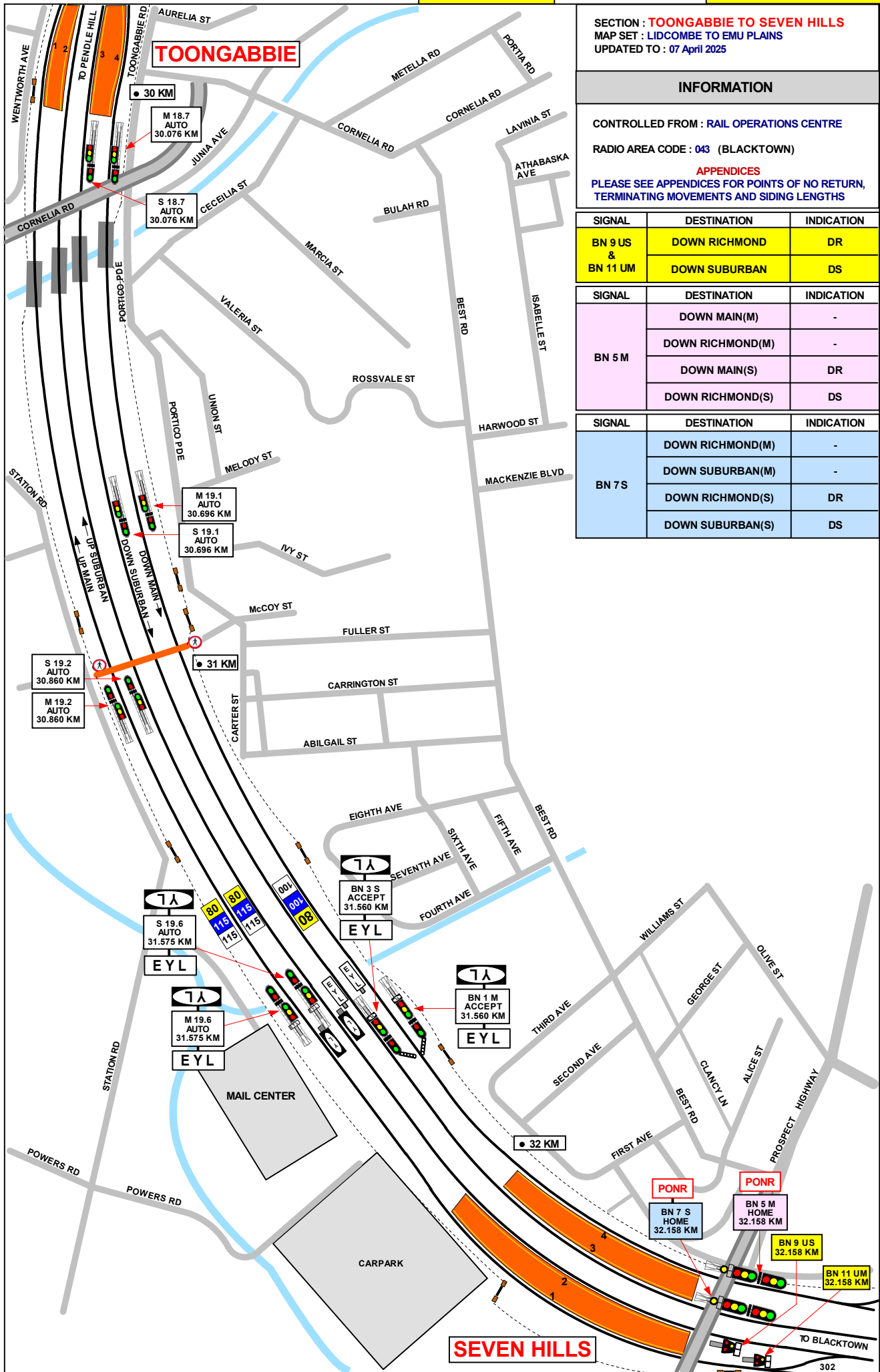
1 IN 100

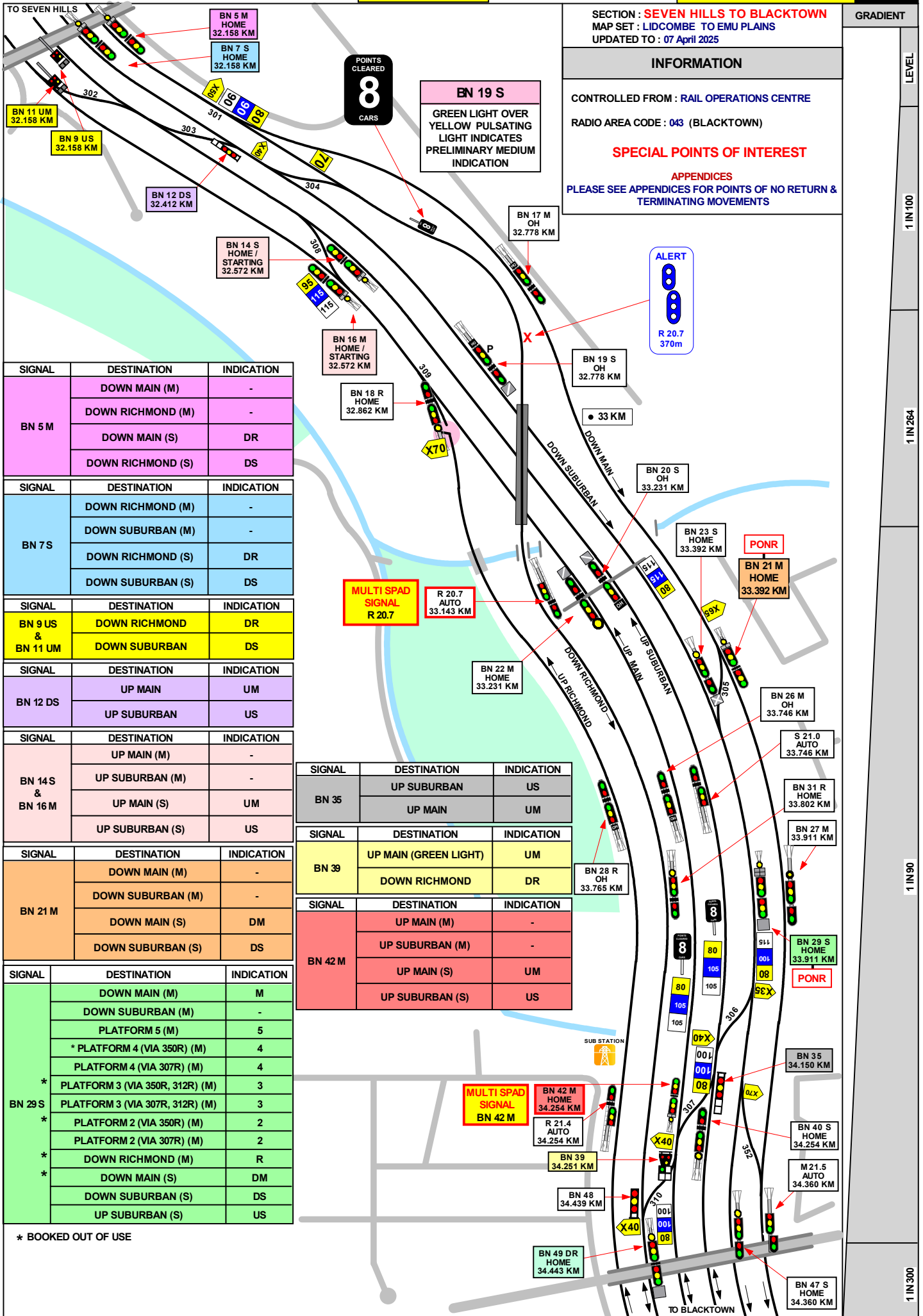
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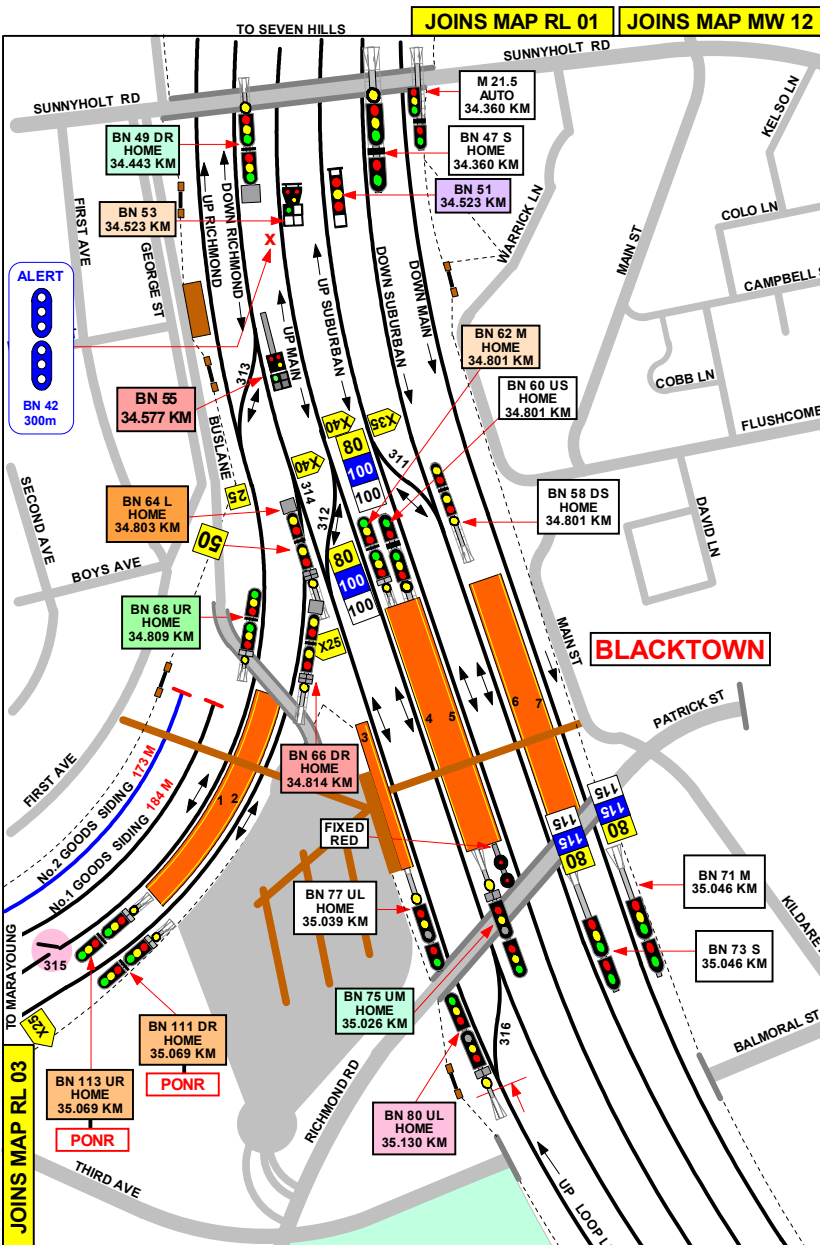
1 IN 100

LEVEL









SECTION : **BLACKTOWN**  
MAP SET : **LIDCOMBE TO EMU PLAINS**  
PAGE : **2 OF 2**  
UPDATED TO : **07 April 2025**

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **043 (BLACKTOWN)**

APPENDICES

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

SIGNAL	DESTINATION	INDICATION
BN 49 DR	PLATFORM 3 (M)	-
	PLATFORM 2 (M)	2
	PLATFORM 1 (M)	1
	DOWN RICHMOND (S)	-

SIGNAL	DESTINATION	INDICATION
BN 51 *	PLATFORM 6	6
	PLATFORM 5	5
	PLATFORM 4	4
	PLATFORM 3 (VIA 312R)	3
	PLATFORM 2	2

SIGNAL	DESTINATION	INDICATION
BN 53	PLATFORM 4 (GREEN LT)	4
	PLATFORM 3 (VIA 312 R)	3
	PLATFORM 2	2

SIGNAL	DESTINATION	INDICATION
BN 55	PLATFORM 3 (GREEN LT)	3
	PLATFORM 2	2
	PLATFORM 1	1

\* BOOKED OUT OF USE

BN 96 M

GREEN LIGHT OVER YELLOW PULSATING LIGHT INDICATES PRELIMINARY MEDIUM INDICATION

BN 84 M

GREEN LIGHT OVER YELLOW PULSATING LIGHT INDICATES PRELIMINARY MEDIUM INDICATION

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

NOTE: TRAINS ENTERING THE LOOP IN THE UP DIRECTION MUST TRAVERSE THE ENTIRE LOOP TO BN 80 SIGNAL



SECTION : **BLACKTOWN**  
 MAP SET : LIDCOMBE TO EMU PLAINS  
 PAGE : 2 OF 2  
 UPDATED TO : 10 March 2025

## INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 043 (BLACKTOWN)

## APPENDICES

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

A NOTICE BOARD, INSCRIBED "THIS SIGNAL MUST NOT BE  
 PASSED AT STOP WITHOUT AUTHORITY FROM THE  
 SIGNALLER", IS PROVIDED ON THE FIXED STOP SIGNAL AT  
 THE PENRITH END OF No. 5 PLATFORM.

\* BOOKED OUT OF USE

SIGNAL	DESTINATION	INDICATION
BN 62 M	UP MAIN (M)	-
	UP SUBURBAN (M)	-
	UP MAIN (S)	UM
	UP SUBURBAN (S)	US

SIGNAL	DESTINATION	INDICATION
BN 64 L	UP MAIN (M) (VIA 310 R)	M
	UP MAIN (M) (VIA 312 R)	M
	UP SUBURBAN (M) (VIA 312 R)	S
	DOWN RICHMOND (S)	DR
	UP MAIN (S) (VIA 312 R)	UM
	UP SUBURBAN (S) (VIA 312 R)	US

SIGNAL	DESTINATION	INDICATION
BN 66 DR	UP MAIN (VIA 310R) (M)	M
	UP MAIN (VIA 351R) (M)	M
	UP SUBURBAN (M)	S
	DOWN RICHMOND (S)	DR
	UP MAIN (S)	UM
	UP SUBURBAN (S)	US

SIGNAL	DESTINATION	INDICATION
BN 68 UR	UP RICHMOND (M)	-
	UP MAIN (M)	-
	UP RICHMOND (S)	UR
	DOWN RICHMOND (S)	DR

SIGNAL	DESTINATION	INDICATION
BN 80 UL	PLATFORM 3 (M)	-
	PLATFORM 4 (M)	-
	PLATFORM 3 (S)	3 (TEMP:2A)
	PLATFORM 4 (S)	4 (TEMP:3)

SIGNAL	DESTINATION	INDICATION
BN 85 UM & BN 87 UL	DOWN SUBURBAN (M)	S
	DOWN SUBURBAN (S)	DS

SIGNAL	DESTINATION	INDICATION
BN 91 S	DOWN SUBURBAN (M)	-
	DOWN SUBURBAN (S)	-

SIGNAL	DESTINATION	INDICATION
BN 94 S	UP LOOP (M)	L
	UP MAIN (M)	M
	UP SUBURBAN (M)	-
	UP LOOP (S)	UL
	UP MAIN (S)	UM
	UP SUBURBAN (S)	US

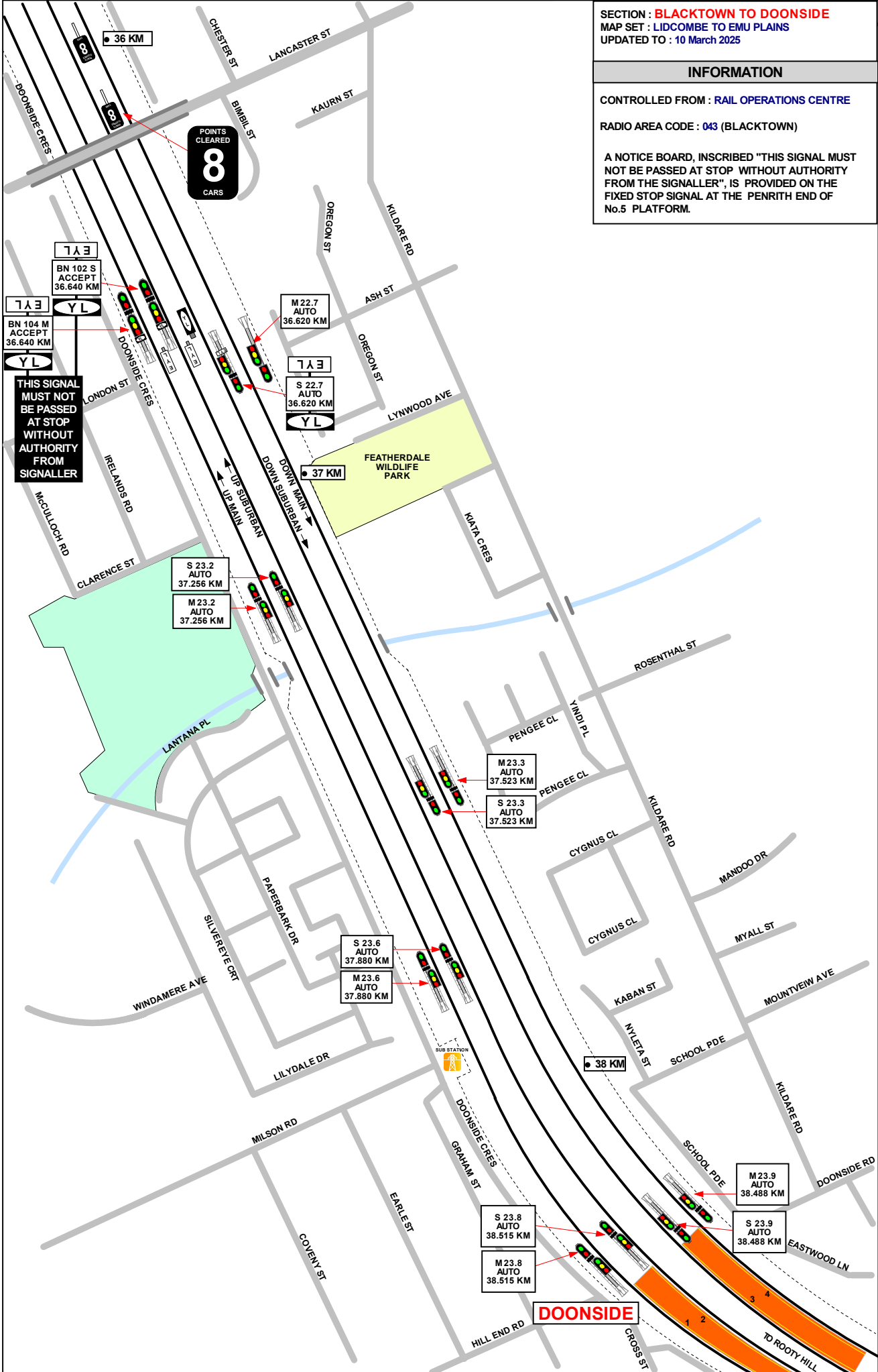
SIGNAL	DESTINATION	INDICATION
BN 96 M & BN 75 UM	UP LOOP (M)	-
	UP MAIN (M)	-
	UP LOOP (S)	UL
	UP MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
BN 100	UP LOOP (S)	L
	UP MAIN (S)	M
	UP SUBURBAN (S)	S

SIGNAL	DESTINATION	INDICATION
BN 111 & BN 113	DOWN RICHMOND	-
	UP RICHMOND	-
	DOWN RICHMOND	DR
	UP RICHMOND	UR
	No. 1 CAR SIDING	1
	No. 2 CAR SIDING	2
	No. 3 CAR SIDING	3
	No. 4 CAR SIDING	4
	No. 5 CAR SIDING	5
	No. 6 CAR SIDING	6

SIGNAL	DESTINATION	INDICATION
BN 115	DOWN RICHMOND	DR
	UP RICHMOND	UR
	GOODS SIDING 1	S1
	GOODS SIDING 2	S2
	GOODS SIDING 3	S3
	GOODS SIDING 4	S4
	GOODS SIDING 5	S5
	GOODS SIDING 6	S6

TO BLACKTOWN



GRADIENT

1 IN 100

1 IN 100

LEVEL

1 IN 100

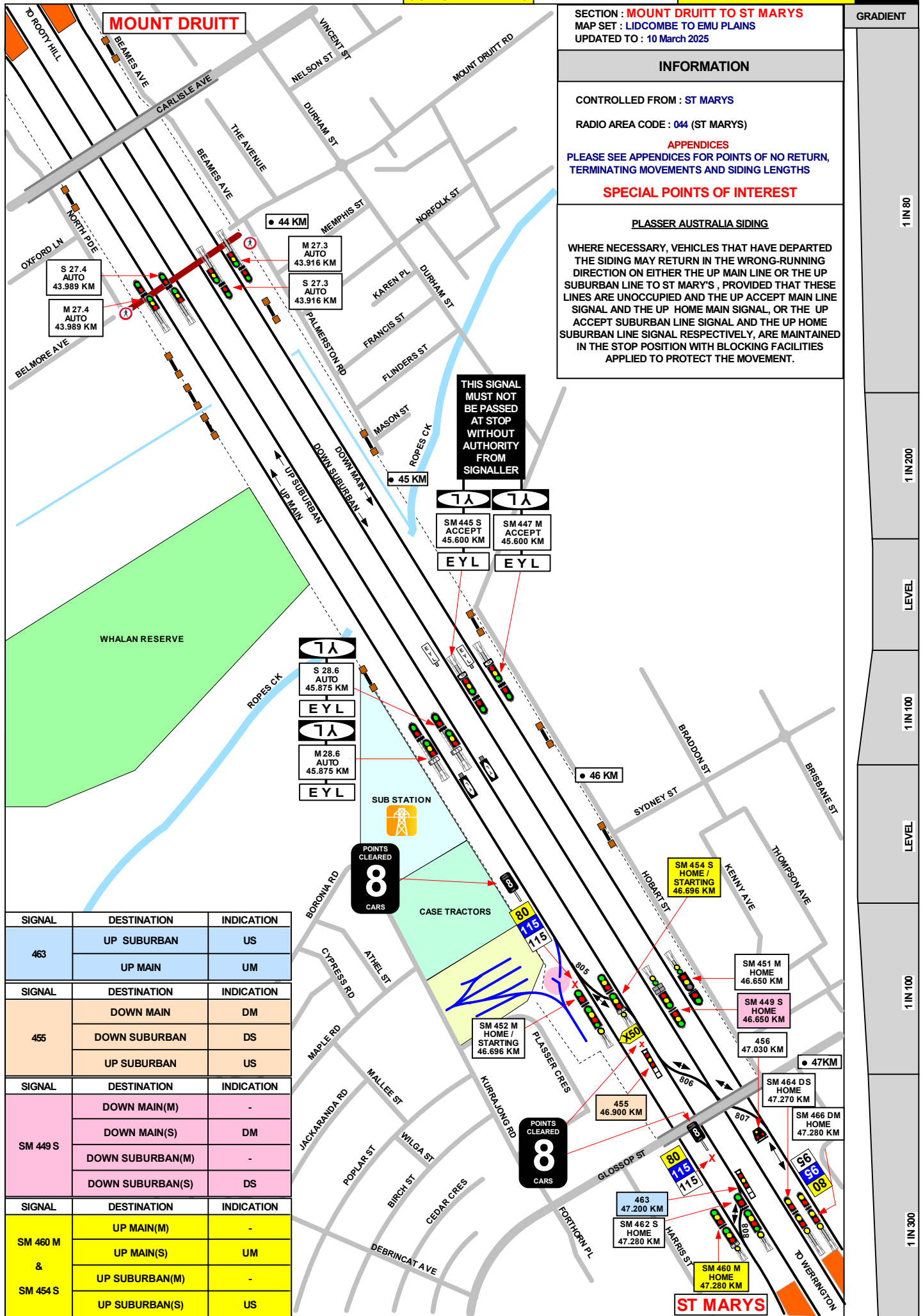
LEVEL

1 IN 120

1 IN 100









SECTION : **ST MARYS TO WERRINGTON**  
 MAP SET : LIDCOMBE TO EMU PLAINS  
 UPDATED TO : 10 March 2025

## INFORMATION

CONTROLLED FROM : **ST MARYS**

RADIO AREA CODE : **044** (ST MARYS)  
**045** (PENRITH)

## APPENDICES

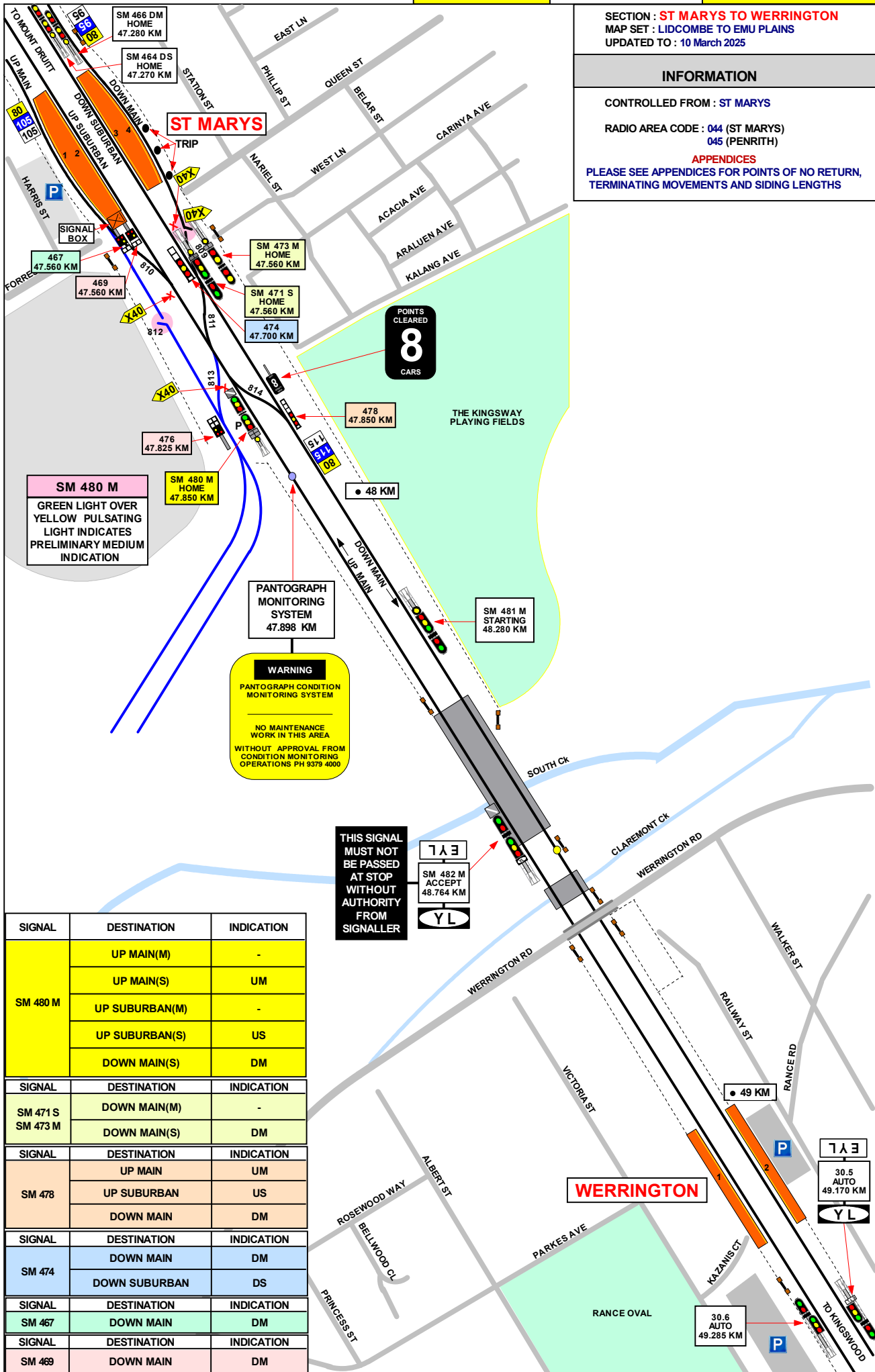
PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,  
 TERMINATING MOVEMENTS AND SIDING LENGTHS

GRADIENT

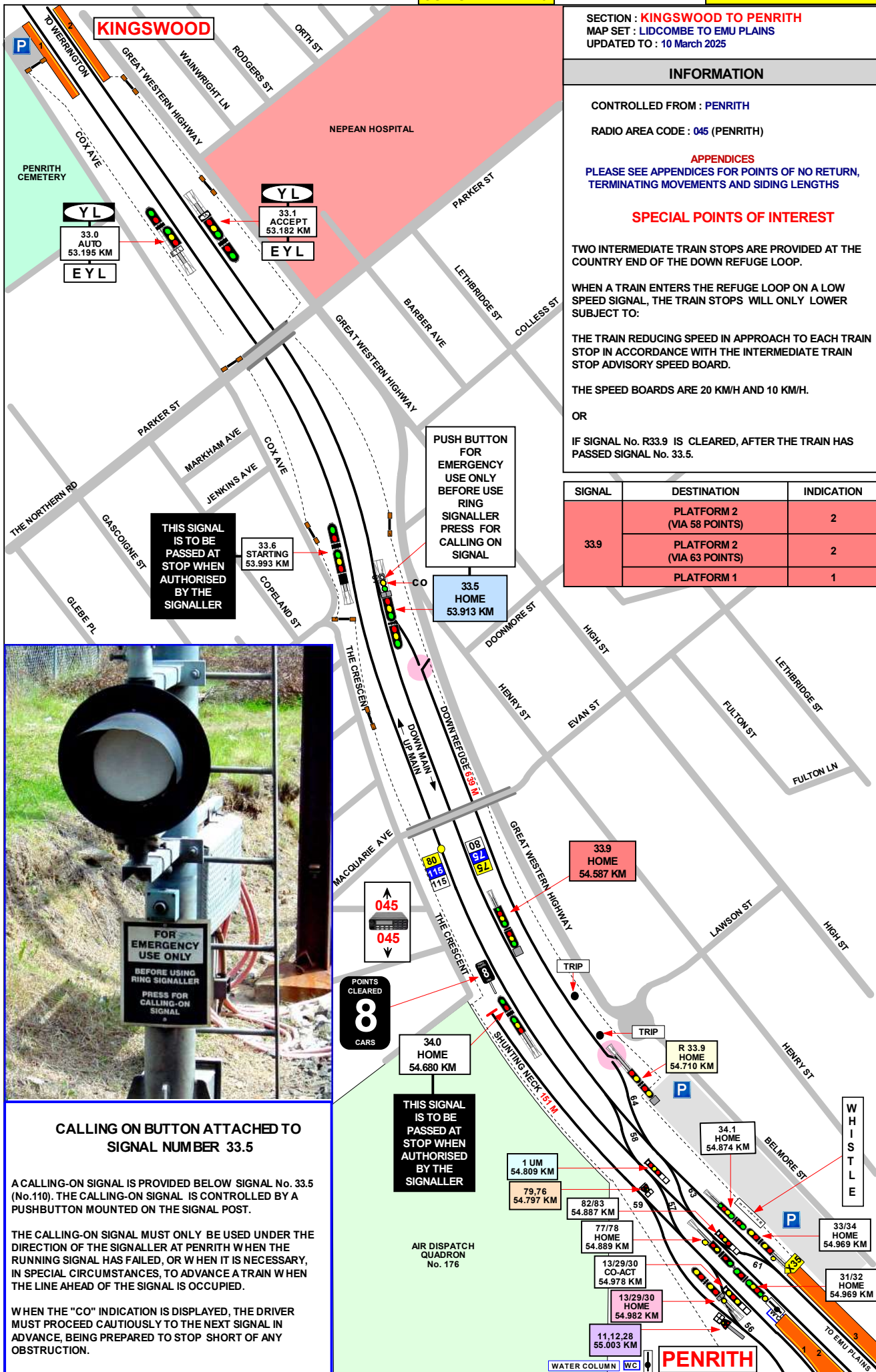
1 IN 300

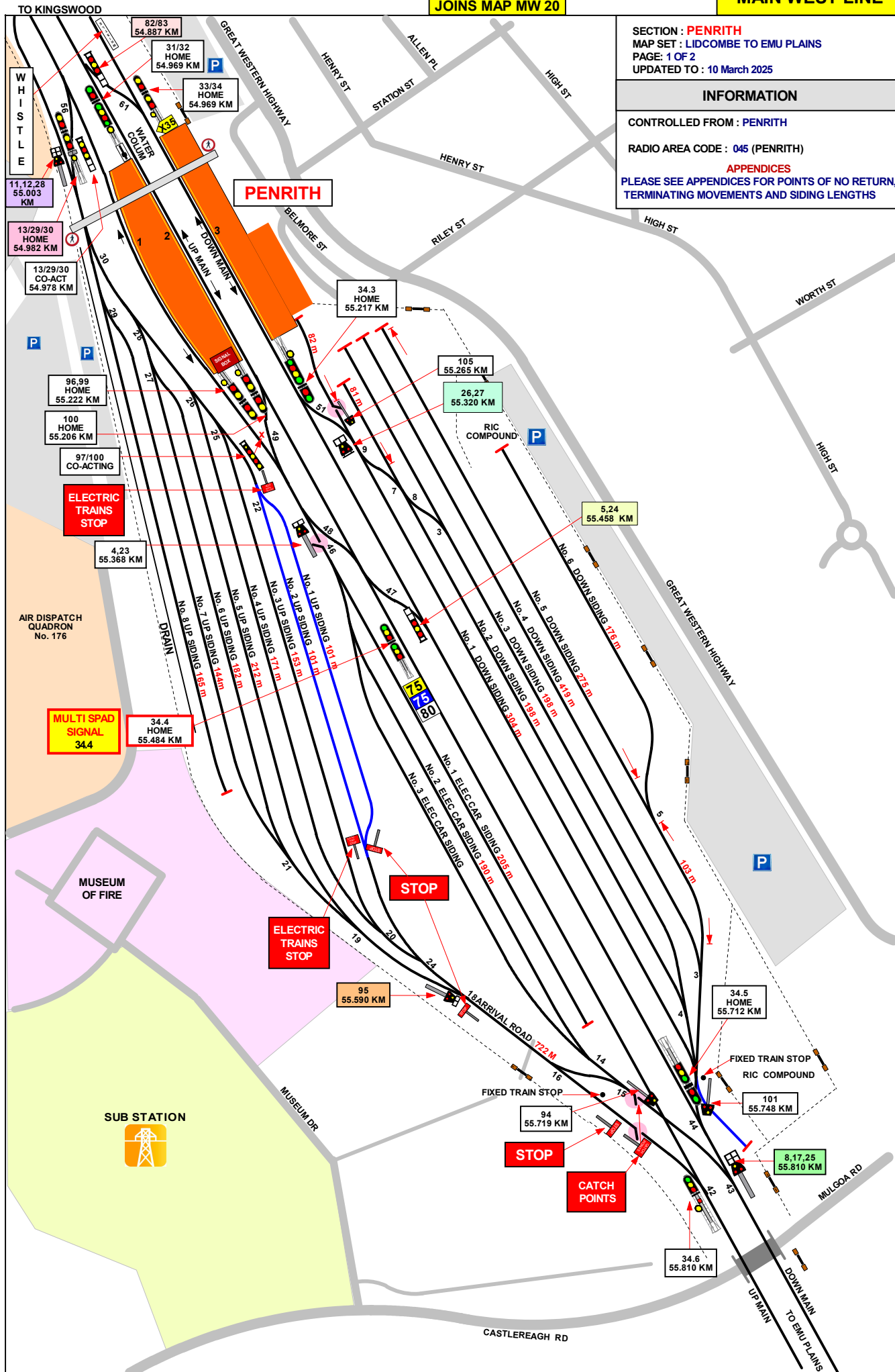
1 IN 80

LEVEL











SECTION : **PENRITH**  
 MAP SET : **LIDCOMBE TO EMU PLAINS**  
 PAGE : 2 OF 2  
 UPDATED TO : 10 March 2025

## INFORMATION

CONTROLLED FROM : **PENRITH**

RADIO AREA CODE : **045 (PENRITH)**

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

**SPECIAL POINTS OF INTEREST**  
**PENRITH**

ELECTRIC PASSENGER TRAINS MUST SEEK NETWORK  
 COLTROLLER'S PERMISSION BEFORE STABLING IN  
 No. 1 DOWN SIDING.

HOWEVER PROVIDED THE SIGNALLER HAS BEEN INFORMED  
 OF THE MOVEMENTS TO BE MADE, ELECTRIC PASSENGER  
 TRAINS MAY BE DIVIDED IN No.1 DOWN SIDING BEFORE BEING  
 STABLED IN THE YARD.

PENRITH IS ONE OF THE DESIGNATED AREAS WHERE  
 PROPELLING TRAINS IS PERMITTED AS PER THE TABLE SHOWN.

NOTE : 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.

SIGNAL	DESTINATION	INDICATION
1 UM	UP MAIN	UM

SIGNAL	DESTINATION	INDICATION
4,23	BACK PLATFORM	BP
	UP MAIN	UM

SIGNAL	DESTINATION	INDICATION
5,24	PLATFORM 1	1
	UP MAIN	UM

SIGNAL	DESTINATION	INDICATION
8,17,25	UP SIDINGS	US
	DOWN SIDINGS	DS
	DOWN MAIN	DM

SIGNAL	DESTINATION	INDICATION
11,12,28	SHUNTING NECK	SN
	BACK PLATFORM	BP
	UP MAIN	UM

SIGNAL	DESTINATION	INDICATION
13,29,30	SHUNTING NECK	SN
	UP MAIN	UM

SIGNAL	DESTINATION	INDICATION
26,27	DOWN DOCK	DD
	DOWN MAIN	DM

SIGNAL	DESTINATION	INDICATION
33.9	PLATFORM 2 (VIA 58 POINTS)	2
	PLATFORM 2 (VIA 63 POINTS)	2
	PLATFORM 1	1

SIGNAL	DESTINATION	INDICATION
R 33.9	PLATFORM 2	2
	PLATFORM 3	3

SIGNAL	DESTINATION	INDICATION
79,76	BACK PLATFORM	BP
	SIDINGS	SG

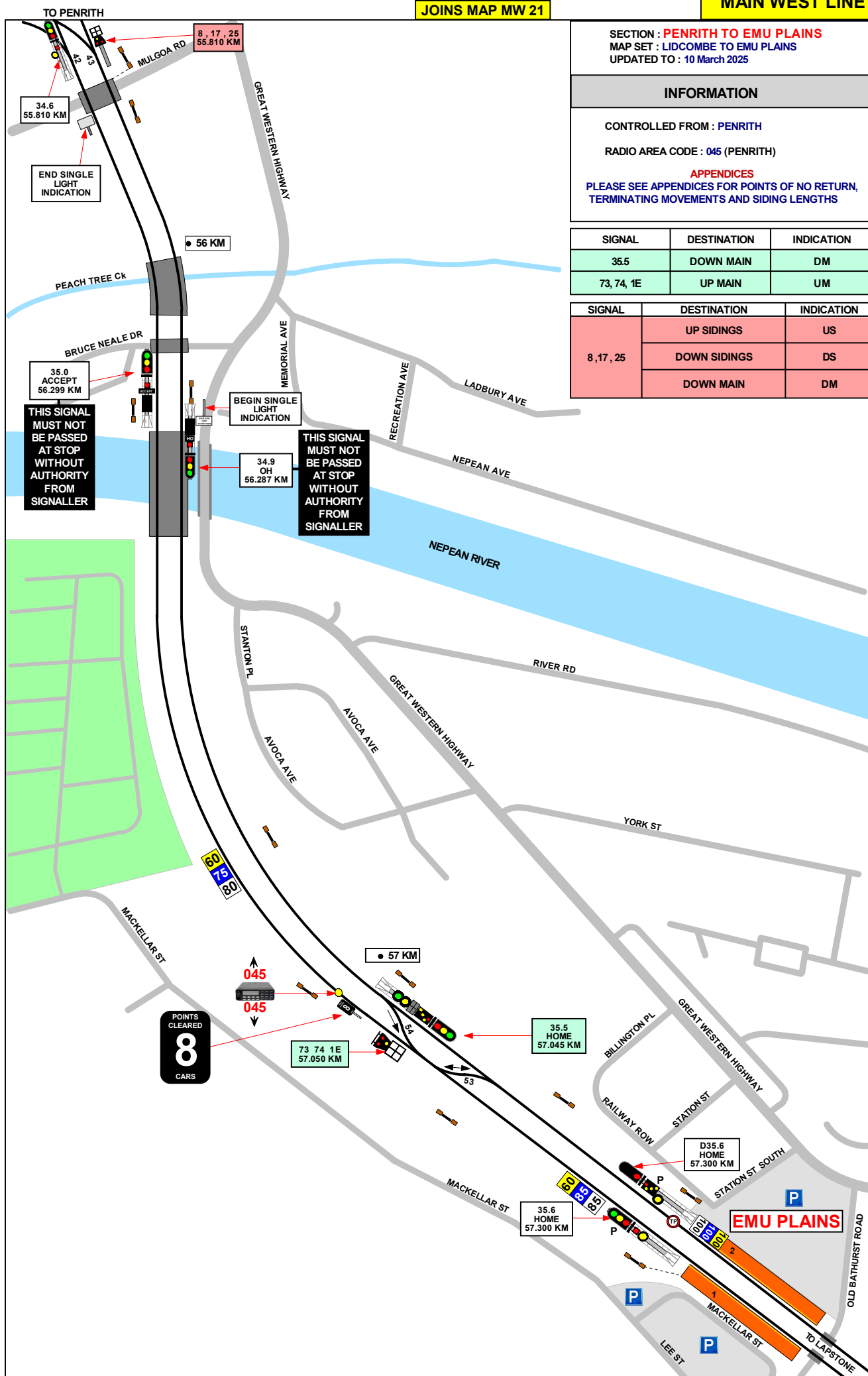
SIGNAL	DESTINATION	INDICATION
82,83	UP MAIN	UM
	DOWN MAIN	DM

SIGNAL	DESTINATION	INDICATION
95	UP ARRIVAL	UA

## PROPELLING MOVEMENTS

FROM	LOCATED	TO	LIMIT
UP SHUNTING NECK CLEAR OF 79 , 76 SIGNAL UP TO 6 CARS	APPROX 200 METRES SYDNEY SIDE OF PENRITH	BACK PLATFORM No.1	96 , 99 SIGNAL
UP SHUNTING NECK CLEAR OF 77 , 78 SIGNAL IF MORE THAN 6 CARS	APPROX 100 METRES SYDNEY SIDE OF PENRITH	BACK PLATFORM No.1	96 , 99 SIGNAL
DOWN YARD No. 101 SIGNAL	APPROX 530 METRES EMU PLAINS SIDE OF PENRITH	DOWN MAIN	TO CORRESPONDING CAR MARKER, CLEAR OF No. 8 , 17 , 25 SIGNAL





SECTION : **PENRITH TO EMU PLAINS**  
 MAP SET : **LIDCOMBE TO EMU PLAINS**  
 UPDATED TO : 10 March 2025

GRADIENT

## INFORMATION

CONTROLLED FROM : **PENRITH**RADIO AREA CODE : **045 (PENRITH)**

## APPENDICES

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

SIGNAL	DESTINATION	INDICATION
35.5	DOWN MAIN	DM
73, 74, 1E	UP MAIN	UM

SIGNAL	DESTINATION	INDICATION
8, 17, 25	UP SIDINGS	US
	DOWN SIDINGS	DS
	DOWN MAIN	DM

LEVEL

1 IN 280

LEVEL

1 IN 186

LEVEL