

DRIVERS ROUTE KNOWLEDGE DIAGRAMS

MAIN NORTH LINE

STRATHFIELD

NORTH STRATHFIELD

CONCORD WEST

RHODES

MEADOWBANK

WEST RYDE

DENISTONE

EASTWOOD

EPPING

CHELTENHAM

BEECROFT

PENNANT HILLS

THORNLEIGH

NORMANHURST

HORNSBY

ASQUITH

MOUNT COLAH

MOUNT KURING-GAI

BEROWRA

Effective Date: May 2025

Version: 5.18

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.D2015/577

SECTION : **STRATHFIELD AND HOMEBUSH TO NORTH STRATHFIELD**
 MAP SET : STRATHFIELD TO COWAN
 UPDATED TO : 6 March 2025

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 036 (STRATHFIELD)
 018 (NTH STRATHFIELD)

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

SPECIAL POINTS OF INTEREST

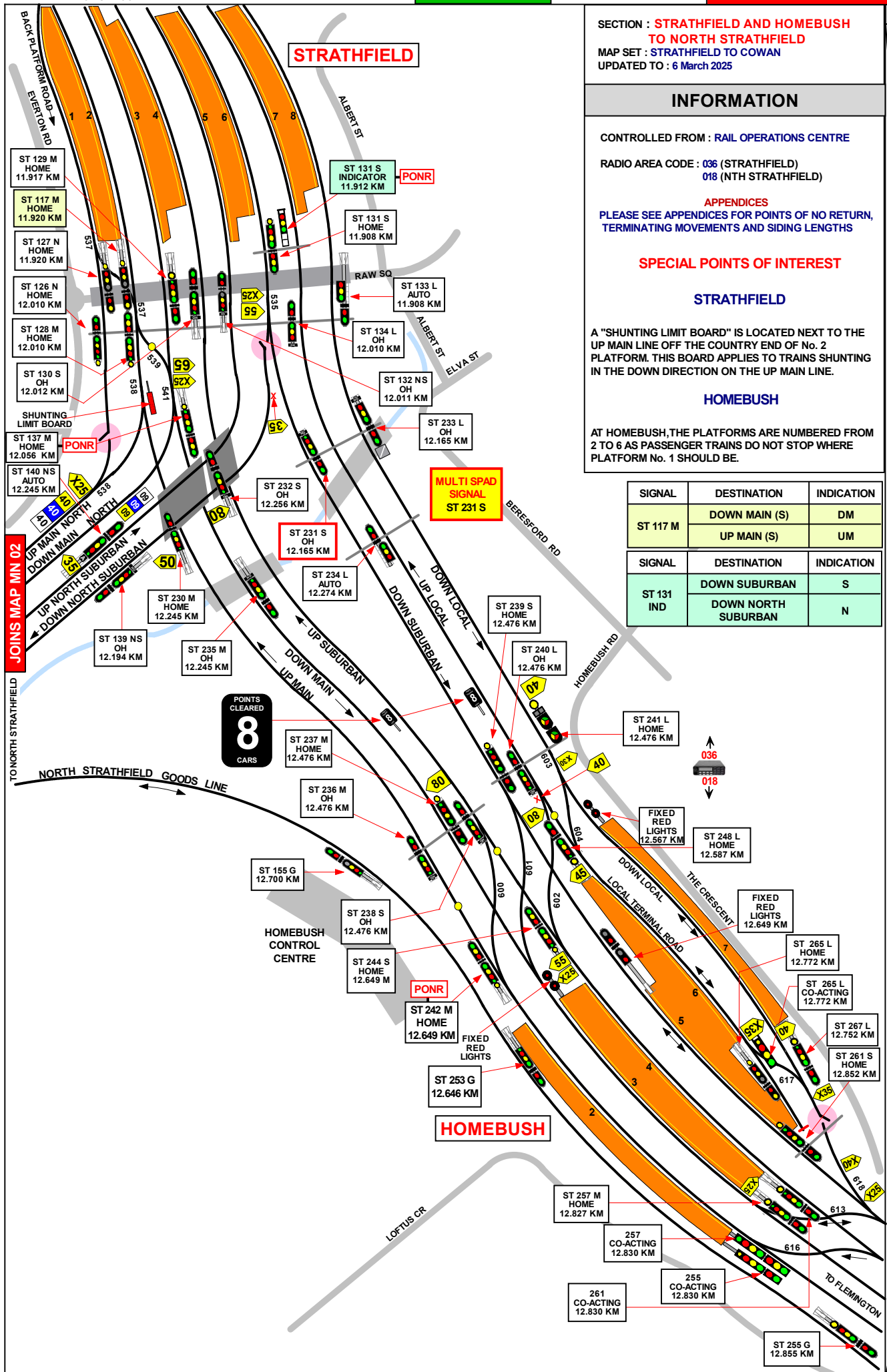
STRATHFIELD

A "SHUNTING LIMIT BOARD" IS LOCATED NEXT TO THE UP MAIN LINE OFF THE COUNTRY END OF No. 2 PLATFORM. THIS BOARD APPLIES TO TRAINS SHUNTING IN THE DOWN DIRECTION ON THE UP MAIN LINE.

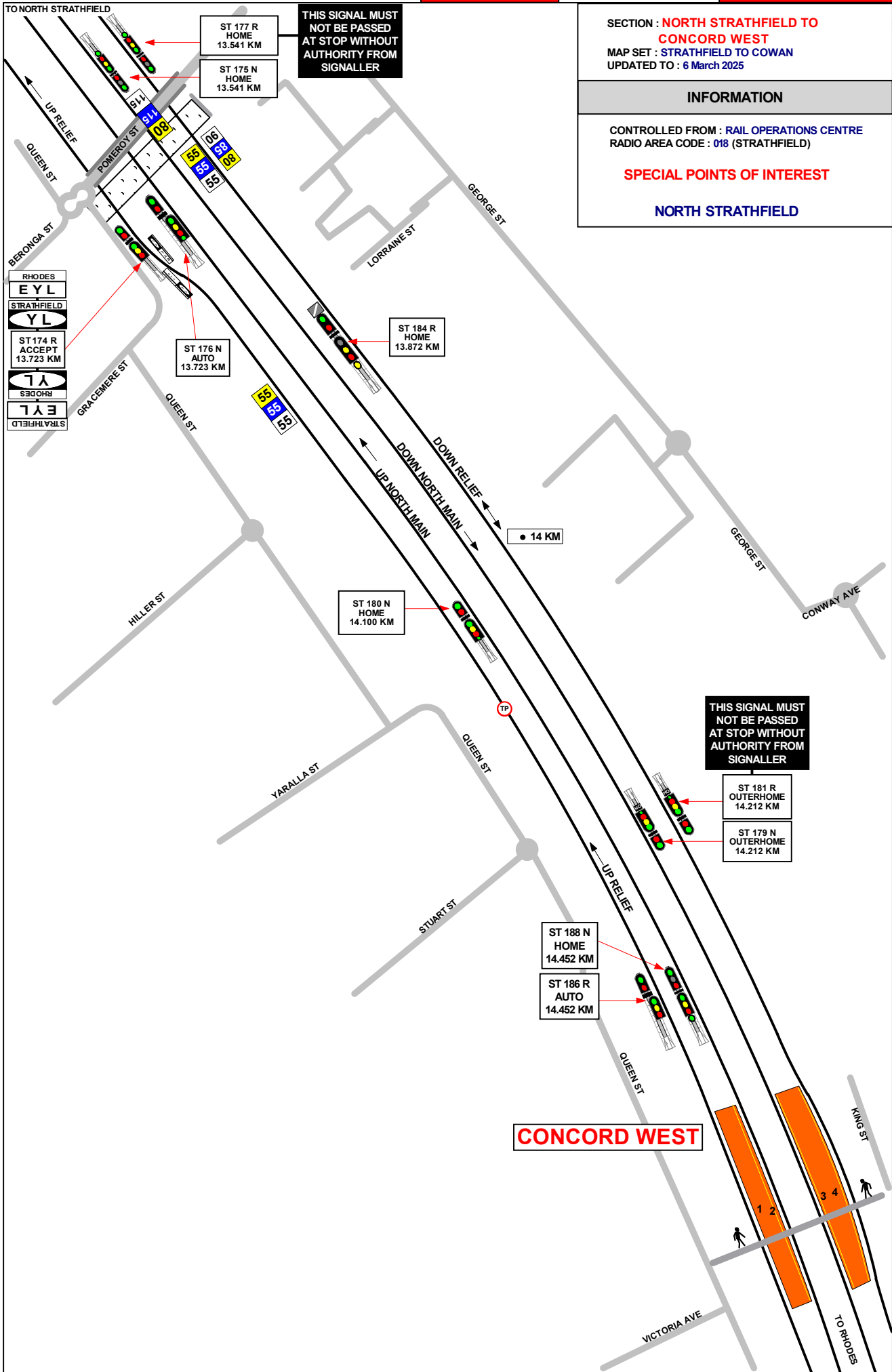
HOMEBUSH

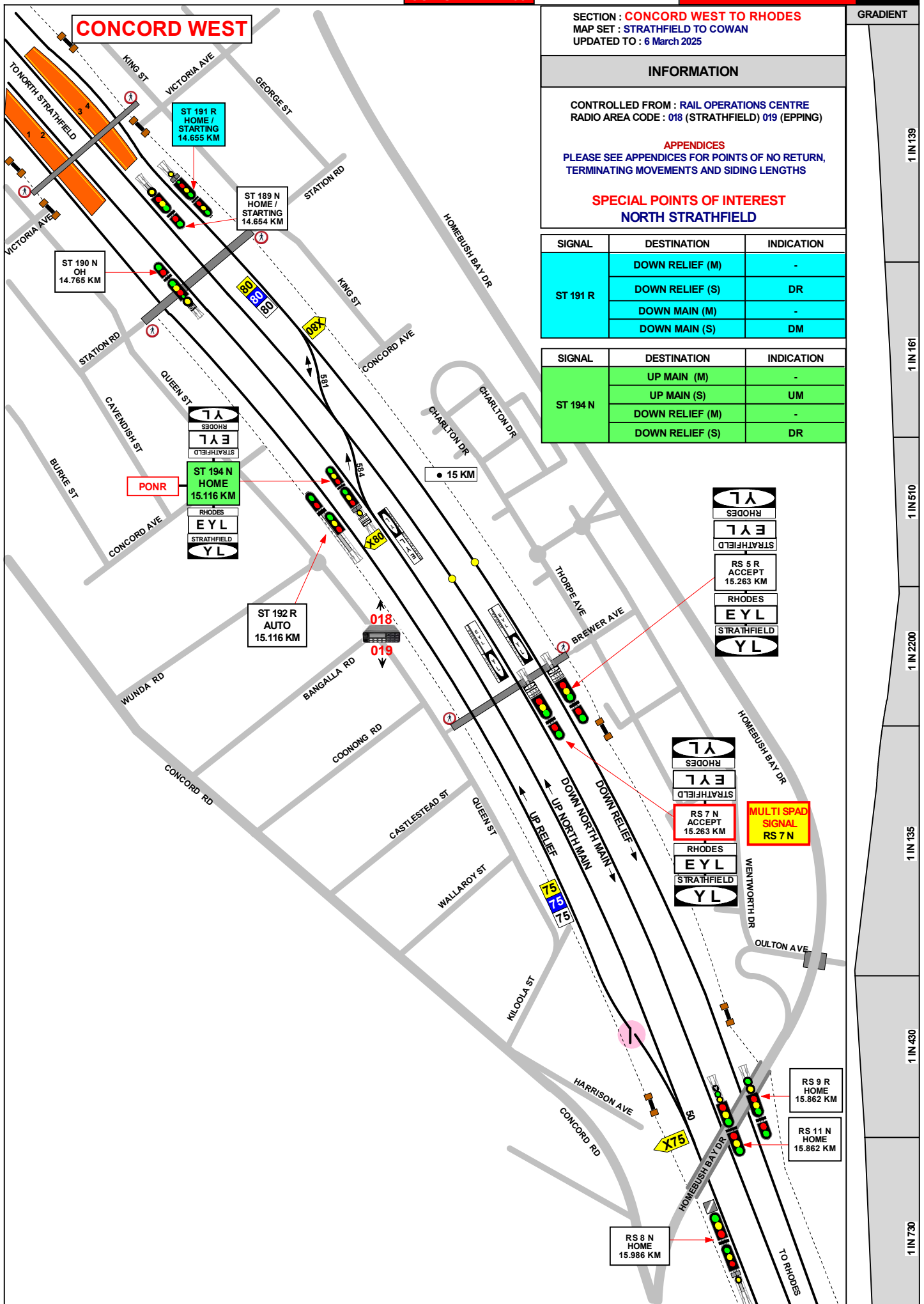
AT HOMEBUSH, THE PLATFORMS ARE NUMBERED FROM 2 TO 6 AS PASSENGER TRAINS DO NOT STOP WHERE PLATFORM No. 1 SHOULD BE.

SIGNAL	DESTINATION	INDICATION
ST 117 M	DOWN MAIN (S)	DM
	UP MAIN (S)	UM
SIGNAL	DESTINATION	INDICATION
ST 131 IND	DOWN SUBURBAN	S
	DOWN NORTH SUBURBAN	N







SECTION : **CONCORD WEST TO RHODES**MAP SET : **STRATHFIELD TO COWAN**UPDATED TO : **6 March 2025****INFORMATION**CONTROLLED FROM : **RAIL OPERATIONS CENTRE**
RADIO AREA CODE : **018 (STRATHFIELD) 019 (EPPING)****APPENDICES**PLEASE SEE APPENDICES FOR POINTS OF NO RETURN,
TERMINATING MOVEMENTS AND SIDING LENGTHS**SPECIAL POINTS OF INTEREST****NORTH STRATHFIELD**

SIGNAL	DESTINATION	INDICATION
ST 191 R	DOWN RELIEF (M)	-
	DOWN RELIEF (S)	DR
	DOWN MAIN (M)	-
	DOWN MAIN (S)	DM

SIGNAL	DESTINATION	INDICATION
ST 194 N	UP MAIN (M)	-
	UP MAIN (S)	UM
	DOWN RELIEF (M)	-
	DOWN RELIEF (S)	DR





SECTION : DENISTONE TO EASTWOOD

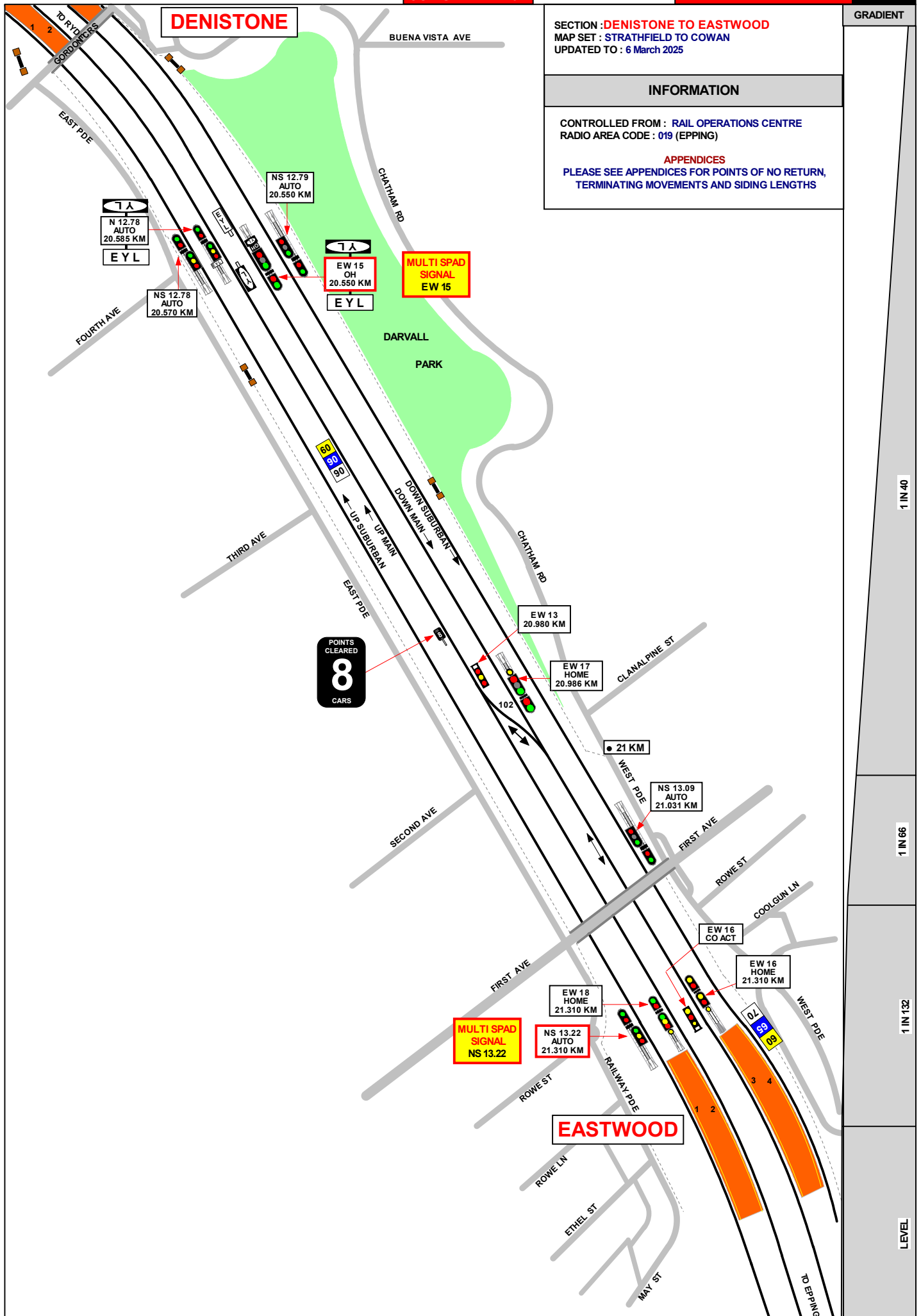
MAP SET : STRATHFIELD TO COWAN

UPDATED TO : 6 March 2025

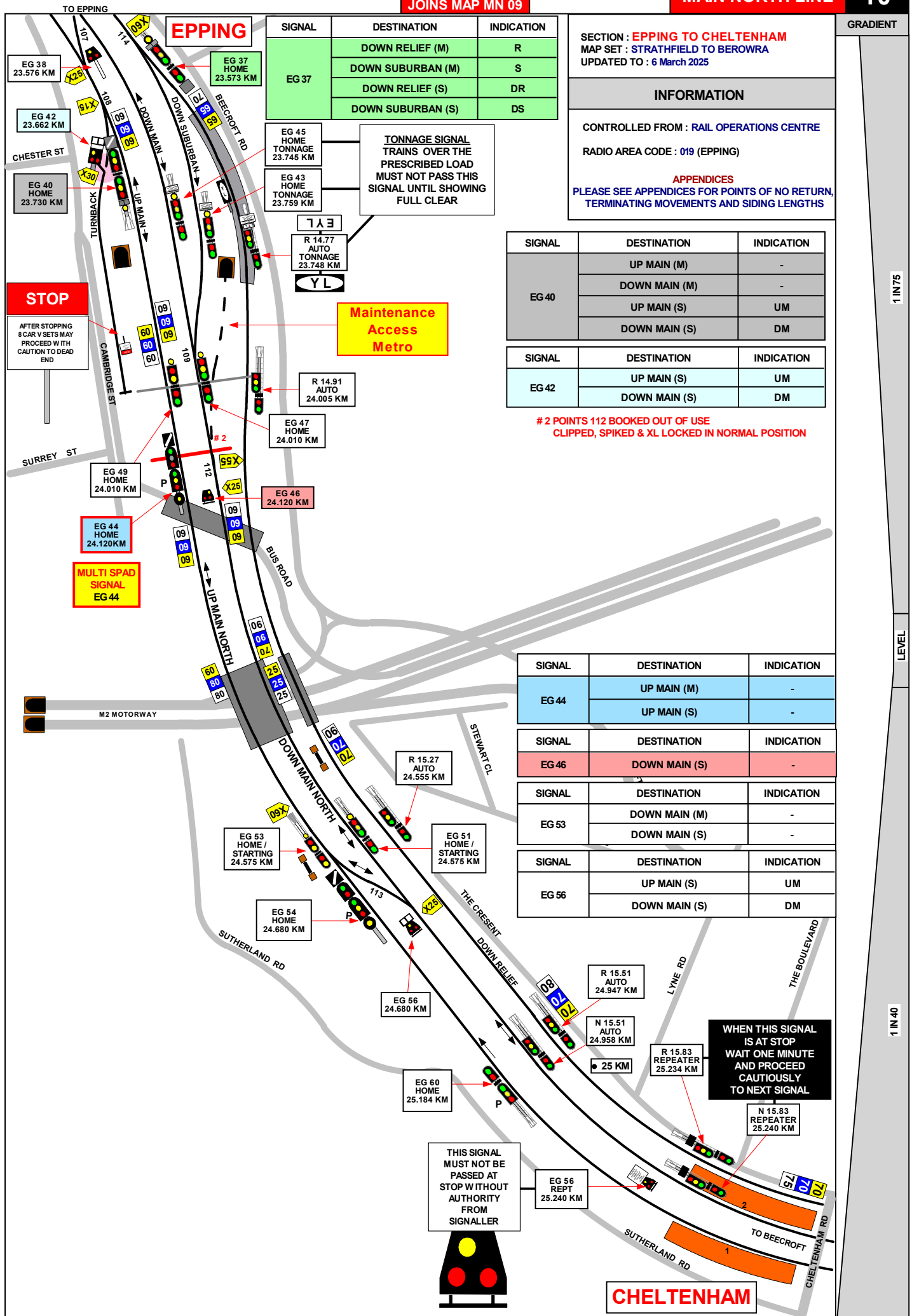
INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE
RADIO AREA CODE : 019 (EPPING)

APPENDICES

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





CHELTENHAM

SECTION : **CHELTENHAM TO BEECROFT**
 MAP SET : **STRATHFIELD TO COWAN**
 UPDATED TO : 6 March 2025

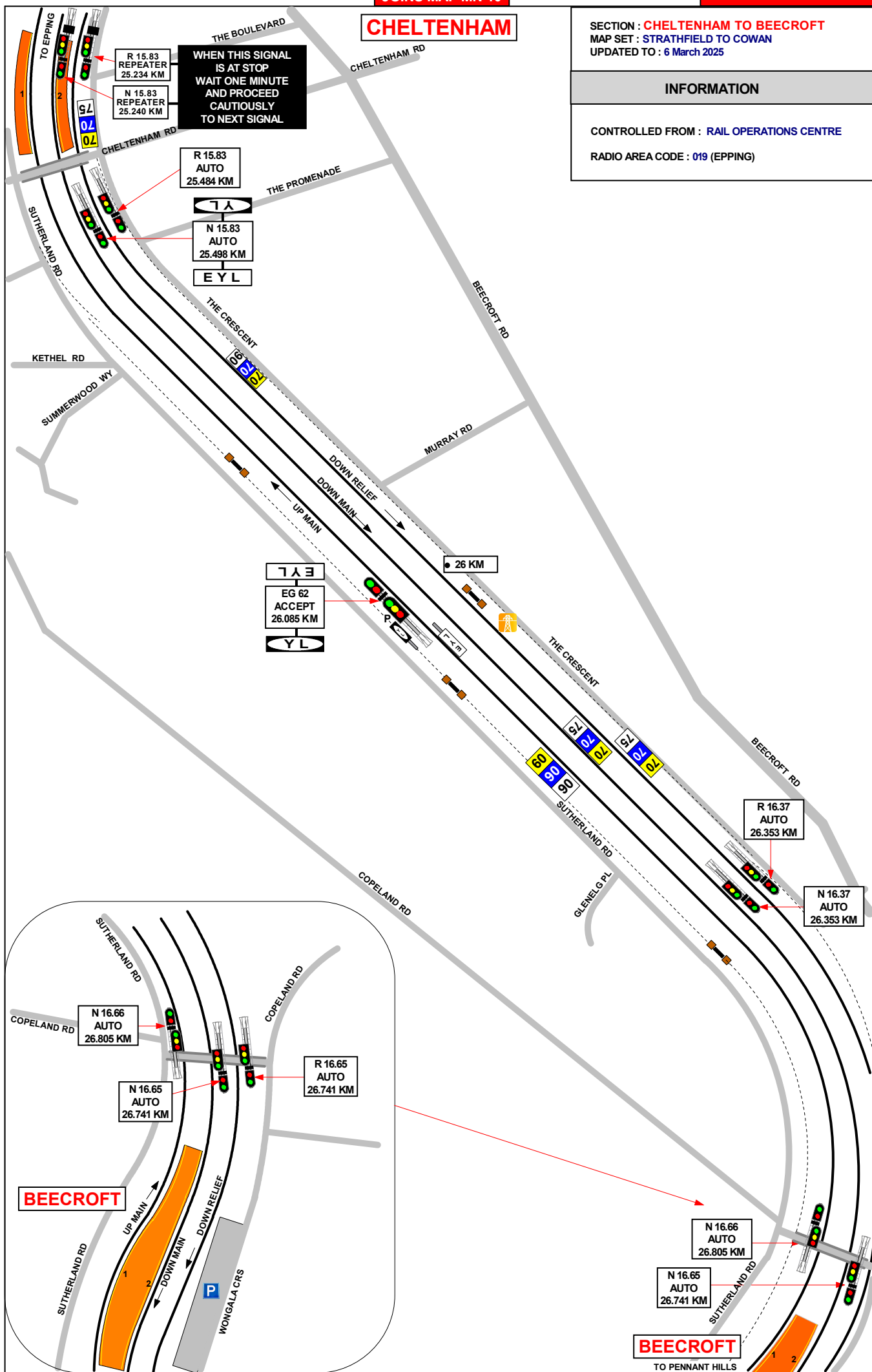
INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**
 RADIO AREA CODE : **019 (EPPING)**

GRADIENT

1 IN 40

1 IN 50



SECTION : **BEECROFT TO PENNANT HILLS**
 MAP SET : STRATHFIELD TO COWAN
 UPDATED TO : 6 March 2025

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**
 RADIO AREA CODE : **019 (EPPING)**

GRADIENT

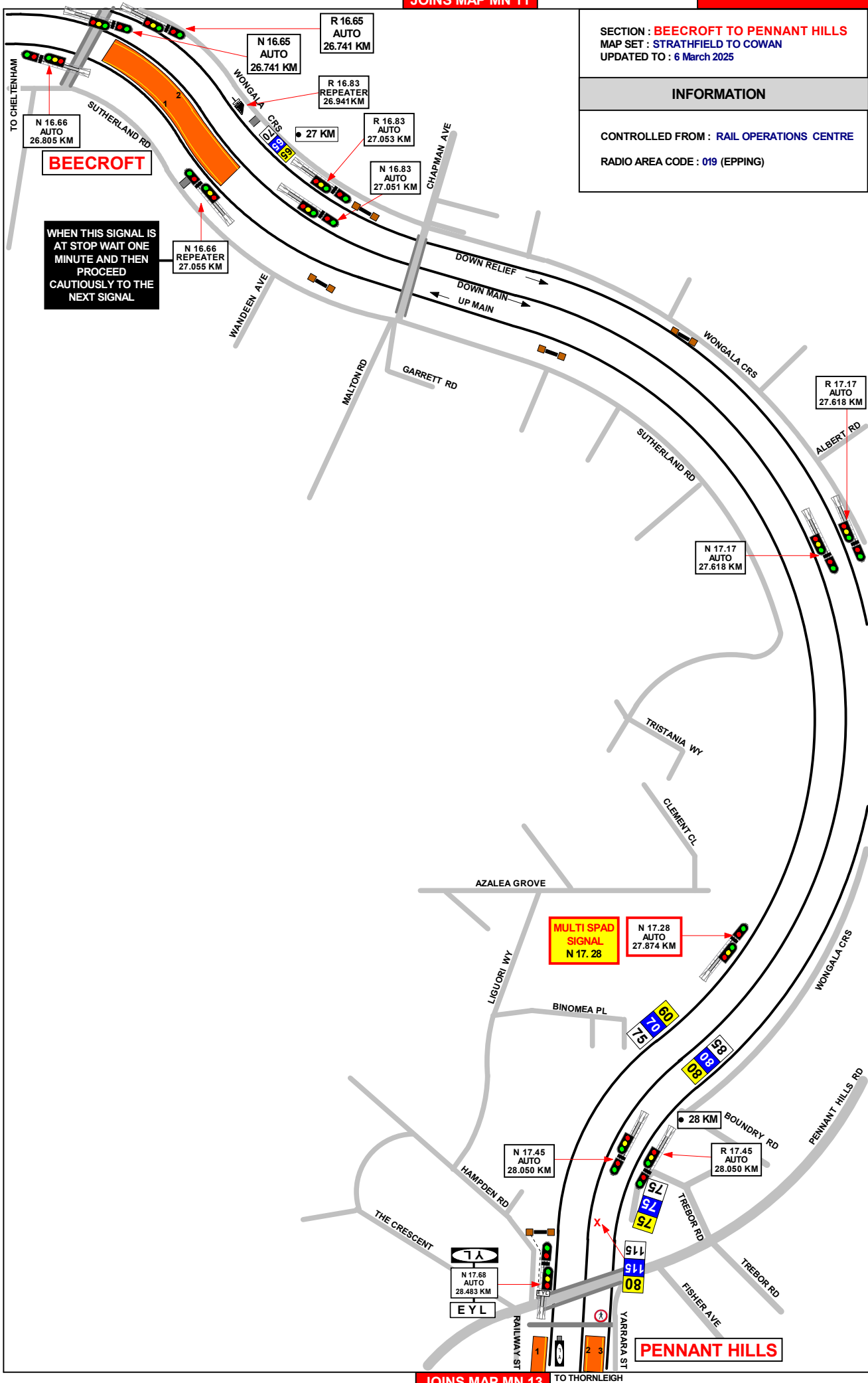
1 IN 50

1 IN 75

1 IN 55

1 IN 44

LEVEL



SECTION : **PENNANT HILLS TO THORNLEIGH**
 MAP SET : **STRATHFIELD TO COWAN**
 UPDATED TO : 6 March 2025

INFORMATION

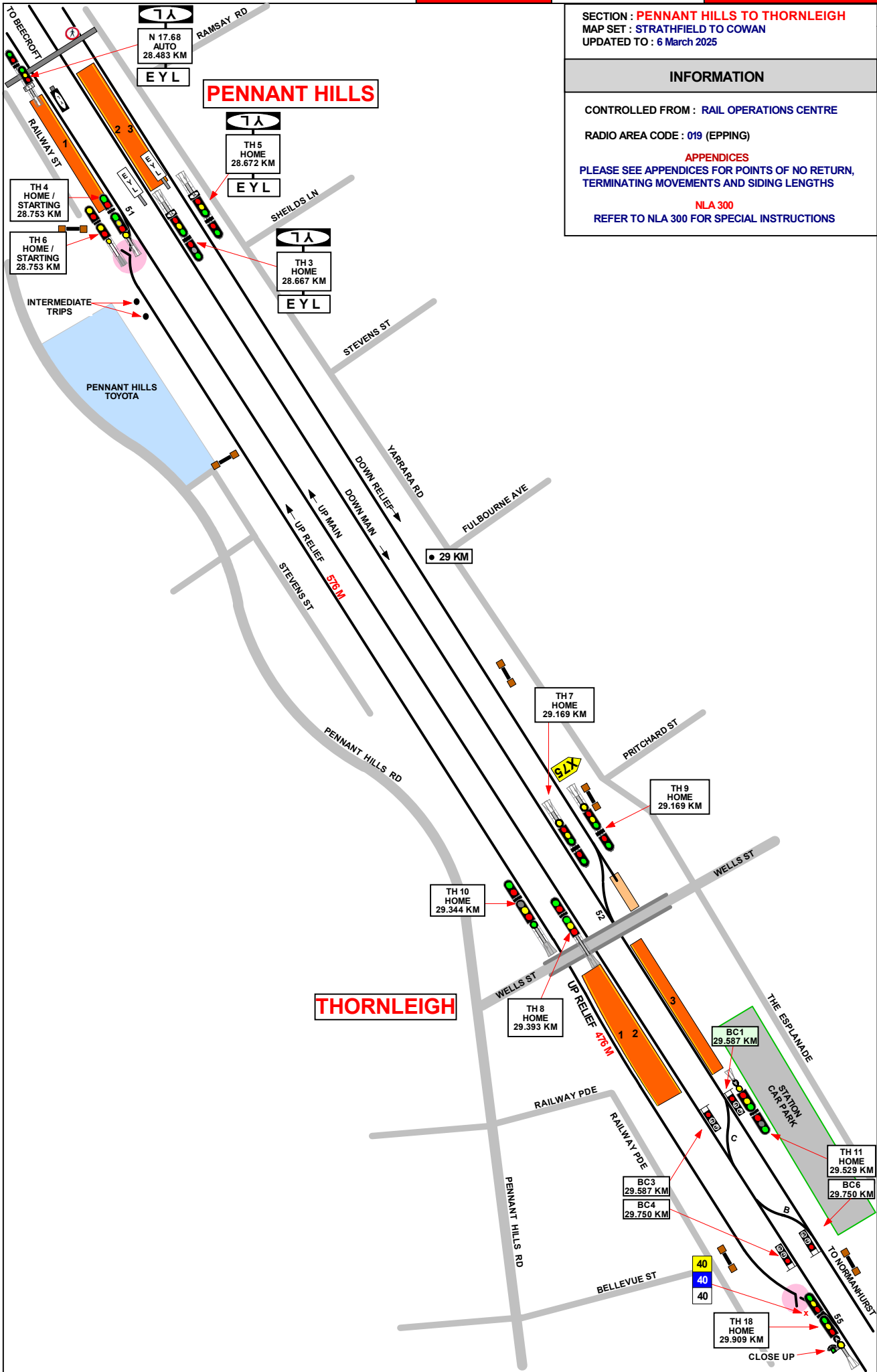
CONTROLLED FROM : **RAIL OPERATIONS CENTRE**

RADIO AREA CODE : **019 (EPPING)**

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

NLA 300
 REFER TO NLA 300 FOR SPECIAL INSTRUCTIONS

GRADIENT
1 IN 44
LEVEL
1 IN 220
1 IN 163
1 IN 200
LEVEL
1 IN 66



SECTION : **THORNLEIGH TO NORMANHURST**
 MAP SET : **STRATHFIELD TO COWAN**
 UPDATED TO : **6 March 2025**

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**
 RADIO AREA CODE : **019 (EPPING)**
017 (HORNSBY)

NLA 300
 REFER TO NLA 300 FOR SPECIAL INSTRUCTIONS

THORNLEIGH

GRADIENT

1 IN 200

LEVEL

1 IN 66

1 IN 50

1 IN 75

1 IN 132



PANTOGRAPH MONITORING SYSTEM
 47.898 KM

MULTI SPAD SIGNAL
TH 20

TH 20 ACCEPT
 30.654 KM

THE BRICKPIT SPORTS STADIUM

TH 18 HOME / STARTING
 30.515 KM

N 19.64 AUTO
 31.617 KM

N 19.45 AUTO
 31.317 KM

NORMANHURST

NORMANHURST

TONNAGE SIGNAL
TRAINS OF OVER
PRESCRIBED LOAD TO
WAIT UNTIL SIGNAL IS
AT FULL CLEAR

SECTION : NORMANHURST TO HORNSBY

MAP SET : CENTRAL TO HORNSBY VIA SHORE

PAGE: 1 OF 5

UPDATED TO : 6 March 2025

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 019 (EPPING)

017 (HORNSBY)

APPENDICES

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

SIGNAL	DESTINATION	INDICATION
HY 17	DOWN RELIEF (M)	R
	DOWN RELIEF (S)	DR
	DOWN MAIN (M)	M
	DOWN MAIN (S)	DM

SIGNAL	DESTINATION	INDICATION
HY 25	DOWN MAIN (M)	-
	DOWN MAIN (S)	4
	UP MAIN (M)	3
	UP MAIN (S)	3
	DOWN SHORE (M)	2
	DOWN SHORE (S)	2
	UP SHORE (M)	1
	UP SHORE (S)	1

MULTI SPAD
SIGNAL
HY 17MULTI SPAD
SIGNAL
HY 25MULTI SPAD
SIGNAL
HY 31MULTI SPAD
SIGNAL
HY 35

SIGNAL	DESTINATION	INDICATION
HY 21	DOWN MAIN (M)	-

SIGNAL	DESTINATION	INDICATION
HY 27	DOWN MAIN (S)	4
	UP MAIN (S)	3
	DOWN SHORE (S)	2
	UP SHORE (S)	1

WAITARA

SIGNAL	DESTINATION	INDICATION
HY 35	DOWN SHORE (M)	-

SIGNAL	DESTINATION	INDICATION
HY 43	DOWN SHORE (M)	-
	DOWN SHORE (S)	2
	UP SHORE (M)	-
	UP SHORE (S)	1

SIGNAL	DESTINATION	INDICATION
HY 45	DOWN SHORE (M)	2
	UP SHORE (M)	1

SIGNAL	DESTINATION	INDICATION	INDICATOR
HY 46	UP SHORE (M)	S	S
	UP SHORE (S)	US	S
	UP MAIN (M)	M	M
	UP MAIN (S)	UM	M

SIGNAL	DESTINATION	INDICATION	INDICATOR
HY 48	UP SHORE (M)	-	-
	UP SHORE (S)	US	S
	UP MAIN (M)	-	-
	UP MAIN (S)	UM	M

NLA 302 HORNSBY

**MULTI SPAD
SIGNAL
HY 96**



SIGNAL	DESTINATION	INDICATION
HY 55	TURNBACK 1 (M)	T
	TURNBACK 1 (S)	T1
	DOWN MAIN (M)	D
	DOWN MAIN (S)	DM
	UP MAIN (M)	-
	UP MAIN (S)	UM
	UP SHORE (M)	S
	UP SHORE (S)	US

JOINS MAP MN 17

SIGNAL	DESTINATION	INDICATION
HY 57	DOWN MAIN (M)	D
	DOWN MAIN (S)	DM
	UP MAIN (M)	U
	UP MAIN (S)	UM
	DOWN SHORE (M)	-
	DOWN SHORE (S)	DS
	UP SHORE (M)	S
	UP SHORE (S)	US
	UP SIDING (S)	SG

SIGNAL	DESTINATION	INDICATION
HY 58	DOWN SHORE (M)	-
	DOWN SHORE (S)	2
	UP MAIN (M)	-
	UP MAIN (S)	3

SIGNAL	DESTINATION	INDICATION
HY 59	DOWN SHORE (M)	-
	DOWN SHORE (S)	DS
	UP SHORE (M)	-
	UP SHORE (S)	US
	UP SIDING (S)	SG

SIGNAL	DESTINATION	INDICATION
HY 60	DOWN MAIN (M)	-
	DOWN MAIN (S)	4
	DOWN RELIEF (S)	5

SIGNAL	DESTINATION	INDICATION
HY 61	No.2 UP SIDING (S)	U2
	No.3 UP SIDING (S)	U3
	No.4 UP SIDING (S)	U4
	No.5 UP SIDING (S)	U5
	No.6 UP SIDING (S)	U6
	No.7 UP SIDING (S)	U7

SIGNAL	DESTINATION	INDICATION
HY 62	UP SHORE (M)	-

SIGNAL	DESTINATION	INDICATION
HY 63	NO. 1 UP SIDING (M)	-

SIGNAL	DESTINATION	INDICATION
HY 68	UP SHORE (M)	-
	UP SHORE (S)	US
	DOWN SHORE (S)	2

SIGNAL	DESTINATION	INDICATION
HY 70	UP MAIN (M)	3
	UP MAIN (S)	3
	DOWN MAIN (M)	4
	DOWN MAIN (S)	4

SIGNAL	DESTINATION	INDICATION
HY 72	UP MAIN (M)	-
	UP MAIN (S)	UM
	DOWN MAIN (M)	-
	DOWN MAIN (S)	4

SIGNAL	DESTINATION	INDICATION
HY 74	UP MAIN (M)	-
	UP MAIN (S)	UM
	DOWN MAIN (M)	-
	DOWN MAIN (S)	4

SIGNAL	DESTINATION	INDICATION
HY 76	UP SHORE (M)	-
	UP SHORE (S)	U
	DOWN SHORE (M)	-
	DOWN SHORE (S)	2

SIGNAL	DESTINATION	INDICATION
HY 77	UP SHORE (M)	-
	UP SHORE (S)	US
	INWARDS CARSHED (S)	IC

SIGNAL	DESTINATION	INDICATION
HY 78	UP SHORE (M)	-
	UP SHORE (S)	US
	UP MAIN (M)	U
	UP MAIN (S)	UM
	DOWN MAIN (M)	4
	DOWN MAIN (S)	4

SIGNAL	DESTINATION	INDICATION
HY 80	UP SHORE (M)	-
	UP SHORE (S)	-

SIGNAL	DESTINATION	INDICATION
HY 82	UP SHORE (M)	-
	UP SHORE (S)	-

SIGNAL	DESTINATION	INDICATION
HY 83	DOWN RELIEF (S)	-

SIGNAL	DESTINATION	INDICATION
HY 84	UP SHORE (M)	-
	UP SHORE (S)	-

SECTION : HORNSBY YARD

PAGE: 3 OF 5

UPDATED TO : 6 March 2025

INFORMATION

HORNSBY YARD

THE HORNSBY INTERLOCKING CONSISTS OF THE AREA BOUNDED
 DOWN MAIN ACCEPT SIGNAL No. **HY 21**
 DOWN SHORE ACCEPT SIGNAL No. **HY 31**
 UP MAIN ACCEPT SIGNAL No. **HY 136**

YARD WORKING IS IN OPERATION WITHIN THE
 HORNSBY INTERLOCKING AND ALL TRAIN MOVEMENTS ARE
 UNDER THE CONTROL OF THE SIGNALLER AT HORNSBY

COLOURED LIGHTS INDICATOR SIGNALS ARE PROVIDED
 WHERE VISIBILITY OF RUNNING SIGNALS IS OBSTRUCTED AS
 FOLLOWS SIGNAL **HY 46** THE INDICATORS ALSO HAS A ROUTE
 INDICATOR ATTACHED TO IT, A LISTING OF
 INDICATIONS CAN BE FOUND IN THE TABLES BELOW

SIGNAL	DESTINATION	INDICATION
HY 85	DOWN RELIEF (S)	-

SIGNAL	DESTINATION	INDICATION
HY 86	OUTWARDS CAR SHED (M)	-
	OUTWARDS CAR SHED	OC
	UP SHORE (M)	-
	UP SHORE (S)	US

SIGNAL	DESTINATION	INDICATION
HY 93	TURNBACK 1 (S)	T1
	DOWN MAIN (M)	-
	DOWN MAIN (S)	DM

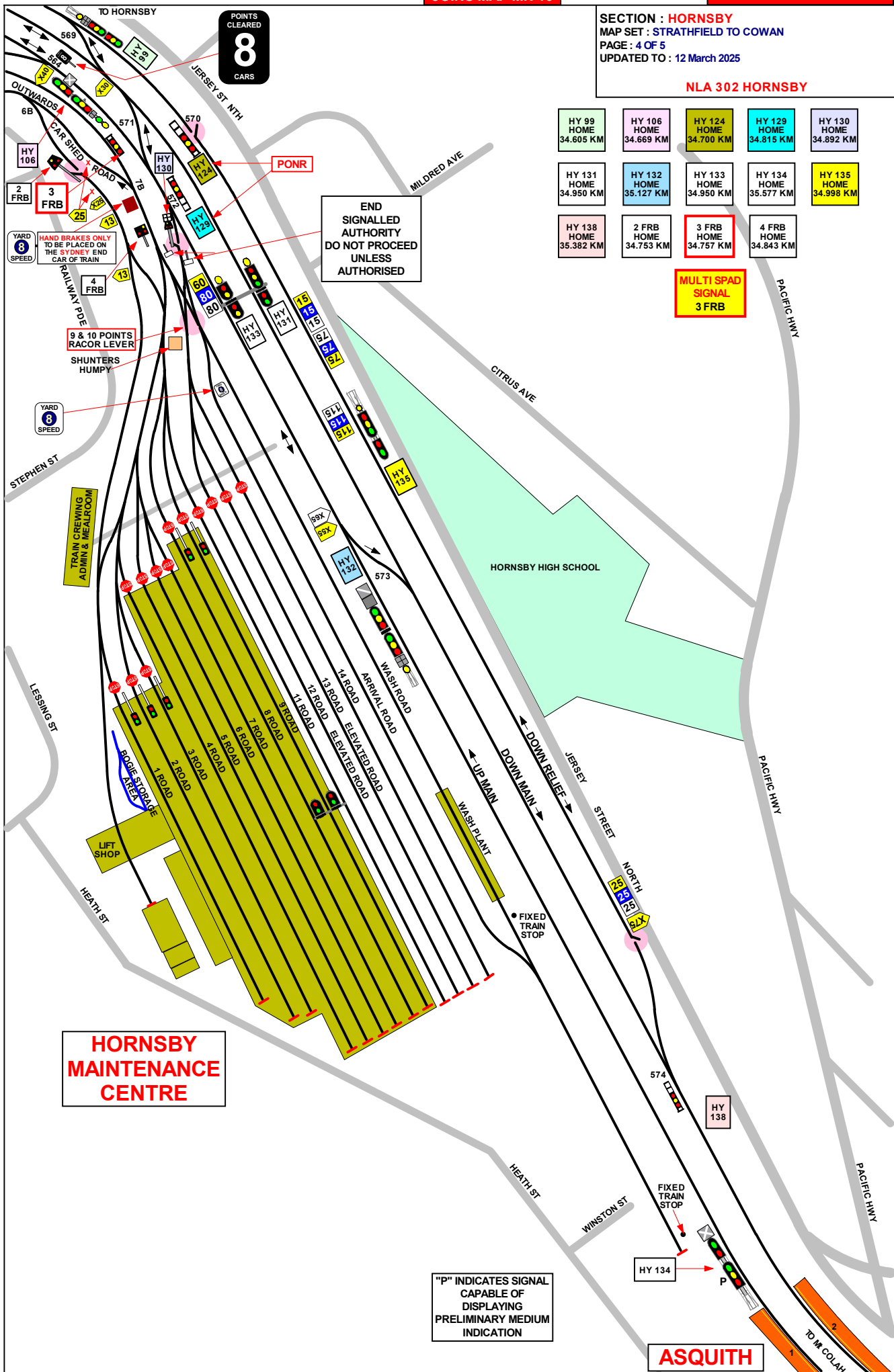
SIGNAL	DESTINATION	INDICATION
HY 94	DOWN RELIEF (M)	DR
	DOWN SIDING (S)	DS

SIGNAL	DESTINATION	INDICATION
HY 96	DOWN MAIN (S)	DM
	TURNBACK 1 (S)	T1

SIGNAL	DESTINATION	INDICATION
HY 99	DOWN RELIEF (M)	-
	DOWN RELIEF (S)	DR
	DOWN MAIN (M)	-
	DOWN MAIN (S)	DM
	UP MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
HY 101	DOWN MAIN (M)	-
	DOWN MAIN (S)	DM
	UP MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
HY 124	TURNBACK 1 (S)	T1
	DOWN RELIEF (S)	DR



SIGNAL	DESTINATION	INDICATION
HY 99	DOWN RELIEF (M)	-
	DOWN RELIEF (S)	DR
	DOWN MAIN (M)	-
	DOWN MAIN (S)	DM
	UP MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
HY 106	UP SHORE (M)	-
	UP SHORE (S)	US
	UP MAIN (M)	-
	UP MAIN (S)	UM

SIGNAL	DESTINATION	INDICATION
HY 124	TURNBACK 1 (S)	T1
	DOWN RELIEF (S)	DR

SIGNAL	DESTINATION	INDICATION
HY 129	UP MAIN (S)	UM
	CAR SHEDS (S)	CS

SIGNAL	DESTINATION	INDICATION
HY 130	UP MAIN (S)	UM
	DOWN MAIN (S)	DM
	TURNBACK 1 (S)	T1
	DOWN RELIEF (S)	DR

SECTION : **HORNSBY**
PAGE : 5 OF 5
UPDATED TO : 6 March 2025

SIGNAL	DESTINATION	INDICATION
HY 132	UP MAIN (M)	-
	UP MAIN (S)	UM
	DOWN MAIN (M)	D
	DOWN MAIN (S)	DM
	TURNBACK 1 (M)	T
	TURNBACK 1 (S)	T1
	DOWN RELIEF (M)	R
	DOWN RELIEF (S)	DR

SIGNAL	DESTINATION	INDICATION
HY 135	DOWN MAIN (M)	-
	DOWN MAIN (S)	-

SIGNAL	DESTINATION	INDICATION
HY 138	UP MAIN (S)	M
	-	-
	DOWN RELIEF(S)	R

SECTION : **ASQUITH TO MT COLAH**
 MAP SET : **STRATHFIELD TO COWAN**
 UPDATED TO : 6 March 2025

INFORMATION

CONTROLLED FROM : **RAIL OPERATIONS CENTRE**
 RADIO AREA CODE : **017 (HORNSBY)**

1 IN 78

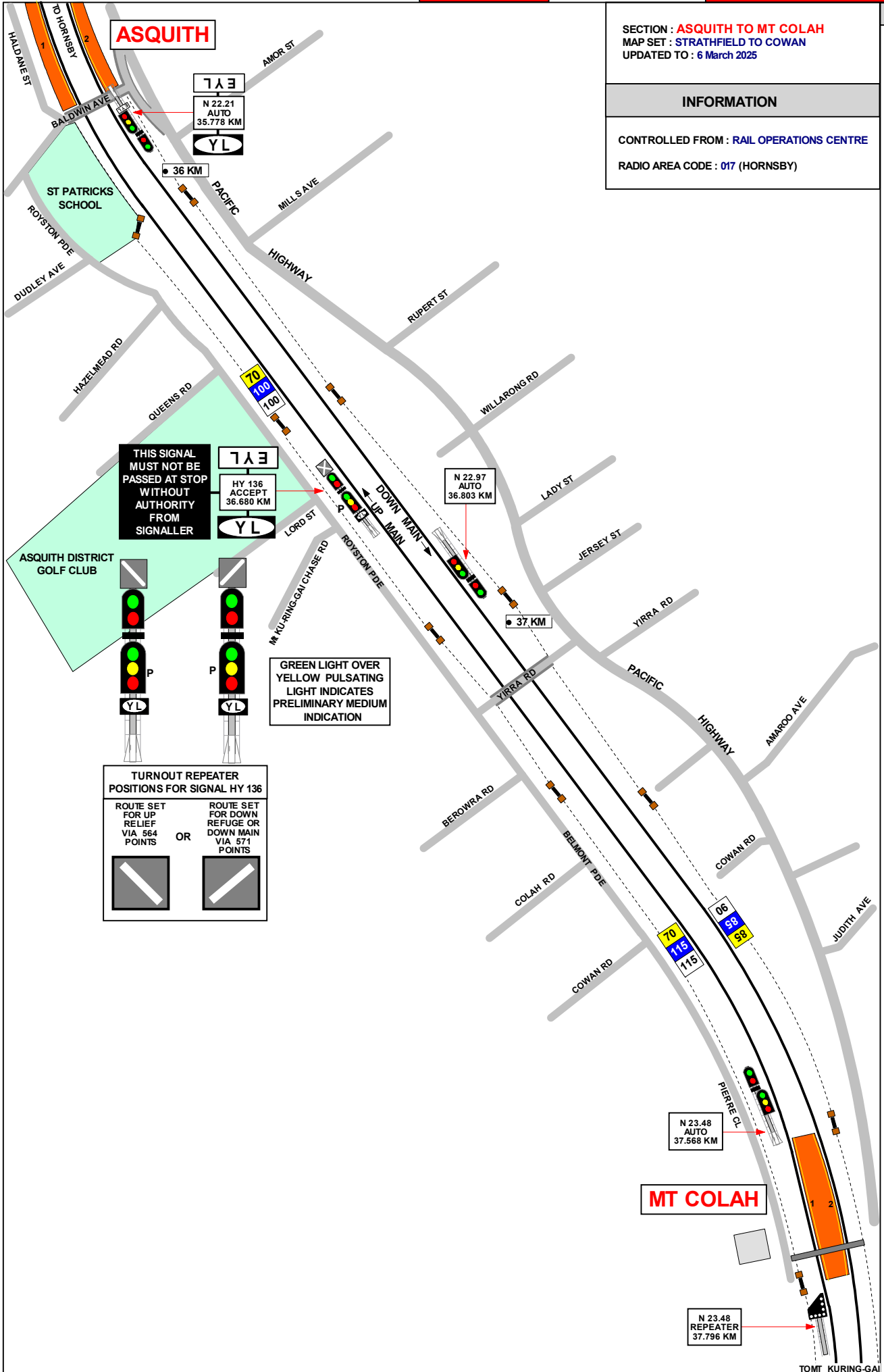
1 IN 64

LEVEL

1 IN 48

1 IN 65

LEVEL



TO HORNSBY

MT COLAH

NORTHUMBERLAND AVE

SECTION : **MT COLAH TO MT KURING-GAI**
 MAP SET : **STRATHFIELD TO COWAN**
 UPDATED TO : **6 March 2025**

INFORMATIONCONTROLLED FROM : **RAIL OPERATIONS CENTRE**RADIO AREA CODE : **017 (HORNSBY)**

NLA 310 HORNSBY - GOSFORD
 REFER TO NLA 310 FOR MORE INSTRUCTIONS

GRADIENT

LEVEL

SIGNAL KEY SWITCH PROJECT
MOUNT KURING-GAI

UP and DOWN BBTs, REPORT TO HOMEBUSH
 CONTROL CENTRE (HORNSBY NORTH PANEL)

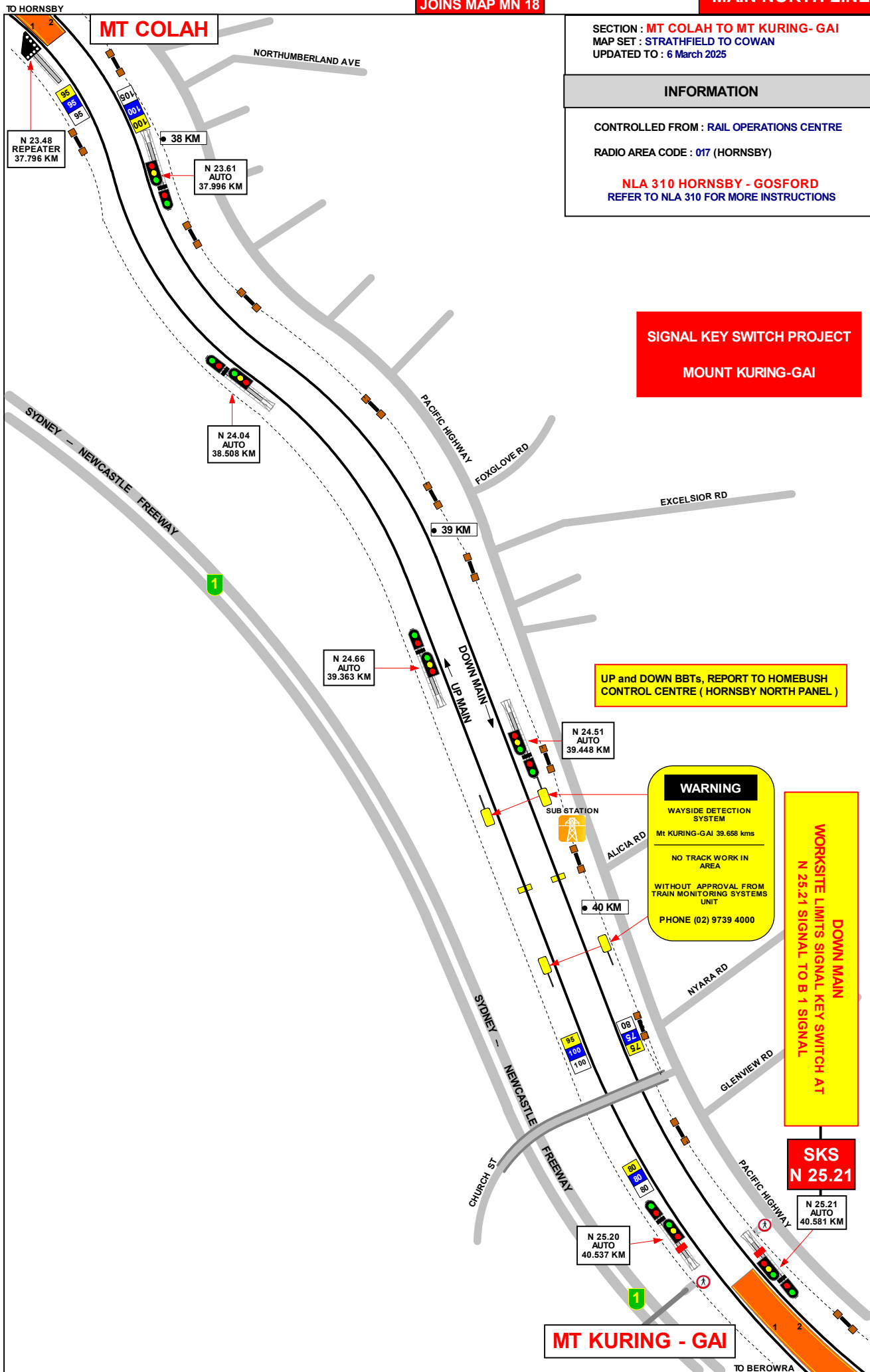
WARNING

WAYSIDE DETECTION
 SYSTEM
 Mt KURING-GAI 39.658 kms
 NO TRACK WORK IN
 AREA
 WITHOUT APPROVAL FROM
 TRAIN MONITORING SYSTEMS
 UNIT
 PHONE (02) 9739 4000

DOWN MAIN
WORKSITE LIMITS SIGNAL KEY SWITCH AT
N 25.21 SIGNAL TO B 1 SIGNAL

SKS
N 25.21

N 25.21
 AUTO
 40.581 KM

MT KURING - GAI

1 IN 100

1 IN 300

1 IN 40

1 IN 275

1 IN 240

1 IN 220

MT KURING - GAI

SECTION : MT KURING- GAI TO BEROWRA
 MAP SET : STRATHFIELD TO COWAN
 UPDATED TO : 6 March 2025

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 017 (HORNSBY)

022 (HORNSBY NORTH)

NLA 310 HORNSBY - GOSFORD
 REFER TO NLA 310 FOR MORE INSTRUCTIONS

GRADIENT

1 IN 220

1 IN 287

1 IN 1100

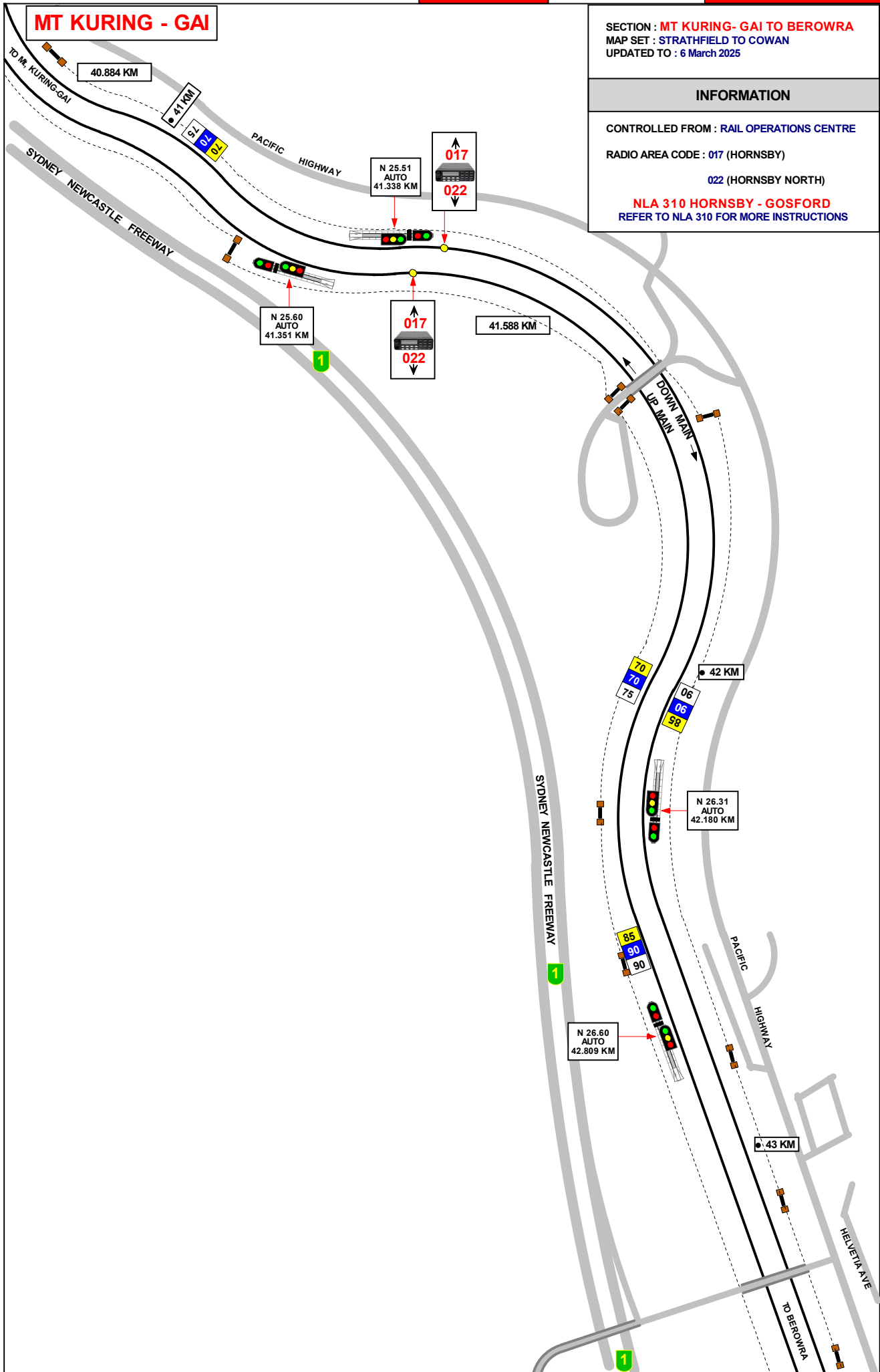
1 IN 220

1 IN 132

1 IN 120

1 IN 314

1 IN 550



SECTION : MT KURING-GAI TO BEROWRA
MAP SET : STRATHFIELD TO COWAN
UPDATED TO : 6 March 2025

INFORMATION

CONTROLLED FROM : RAIL OPERATIONS CENTRE

RADIO AREA CODE : 017 (HORNSBY)

022 (HORNSBY NORTH)

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

NLA 310 HORNSBY - GOSFORD
REFER TO NLA 310 FOR MORE INSTRUCTIONS

MULTI SPAD
SIGNAL
B 3

MULTI SPAD
SIGNAL
B 11

