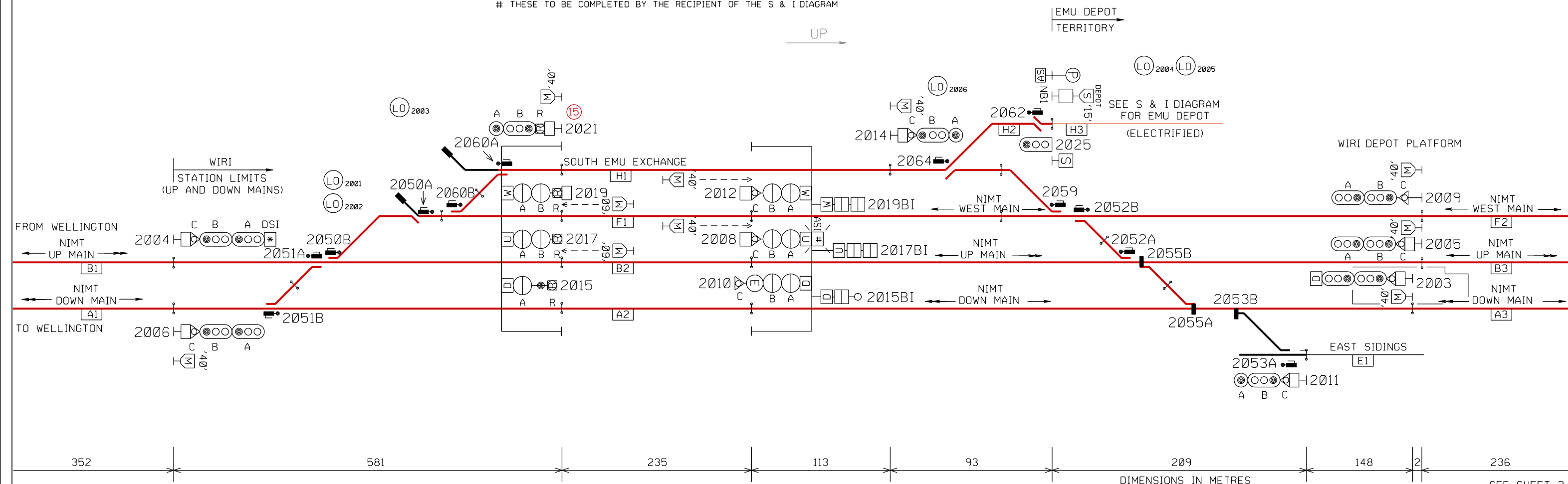


WIRI (WIR)

SIGNALLING & INTERLOCKING ARRANGEMENTS

THESE ARRANGEMENTS WILL BE BROUGHT INTO USE AT A TIME AND DATE TO BE ADVISED BY ALERT.
THIS CANCELS S&I No. 3466

THESE TO BE COMPLETED BY THE RECIPIENT OF THE S & I DIAGRAM



SEE S & I DIAGRAM
FOR PAKAKURA

SEE SHEET 2

FOR DESCRIPTION OF SIGNALS, SEE SHEET 4.

- (15)** ETCS APPROACH SPEED (15 km/h)
- S** 'LOPS BEGINS' BOARD BELOW
NB1 'ALL TRAINS STOP' BOARD
- P** ROUTE PROCEED INDICATOR (RPI)
(YELLOW INDICATION)
- X** TRACK IDENTIFIER BOARD (X = TRACK ID)

SPEED INDICATOR DESCRIPTION	
*	SPEED INDICATOR DISPLAYS '60' OR '40'
#	SPEED INDICATOR DISPLAYS FLASHING '60' OR FLASHING '40'

TRACK IDENTIFIER BOARD	
U	UP MAIN
D	DOWN MAIN
W	WEST MAIN

ROUTE INDICATOR DESCRIPTION					
SIGNAL	DISPLAY	ROUTE SET TO	SIGNAL	DISPLAY	ROUTE SET TO
2003, 2011	W	NIMT WEST MAIN	2012	W	NIMT WEST MAIN
	U	NIMT UP MAIN		U	NIMT UP MAIN
	D	NIMT DOWN MAIN		D	NIMT DOWN MAIN
2004	Y	YARD (SOUTH EMU EXCHANGE)	2014	S	EAST SIDING ROAD No. 1
	W	NIMT WEST MAIN		W	NIMT WEST MAIN
	U	NIMT UP MAIN		U	NIMT UP MAIN
2005	Y	YARD (SOUTH EMU EXCHANGE)	2019	D	NIMT DOWN MAIN
	W	NIMT WEST MAIN		S	EAST SIDING ROAD No. 1
	U	NIMT UP MAIN		Y	YARD EMU (DEPOT)
2006	Y	YARD (SOUTH EMU EXCHANGE)	2021	U	NIMT UP MAIN
	W	NIMT WEST MAIN		D	NIMT DOWN MAIN
	U	NIMT UP MAIN		U	NIMT UP MAIN
2008	D	NIMT DOWN MAIN		D	NIMT DOWN MAIN
	Y	YARD (SOUTH EMU EXCHANGE)			
	U	NIMT UP MAIN			
	D	NIMT DOWN MAIN			
	S	EAST SIDING ROAD No. 1			

NOTE: THIS IS A COLOUR DIAGRAM
RED LINES INDICATE ROUTE AVAILABLE FOR ELECTRIC TRAINS
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P.R. KING
SENIOR SIGNALS ENGINEER

WIRI

SIGNALLING & INTERLOCKING ARRANGEMENTS

X

TRACK IDENTIFIER BOARD (X = TRACK ID)

NGI

ROUTE INDICATOR PROCEED PERMISSION LIGHT
INCLUDES ROUTE PROCEED INDICATOR BELOW RED LIGHT

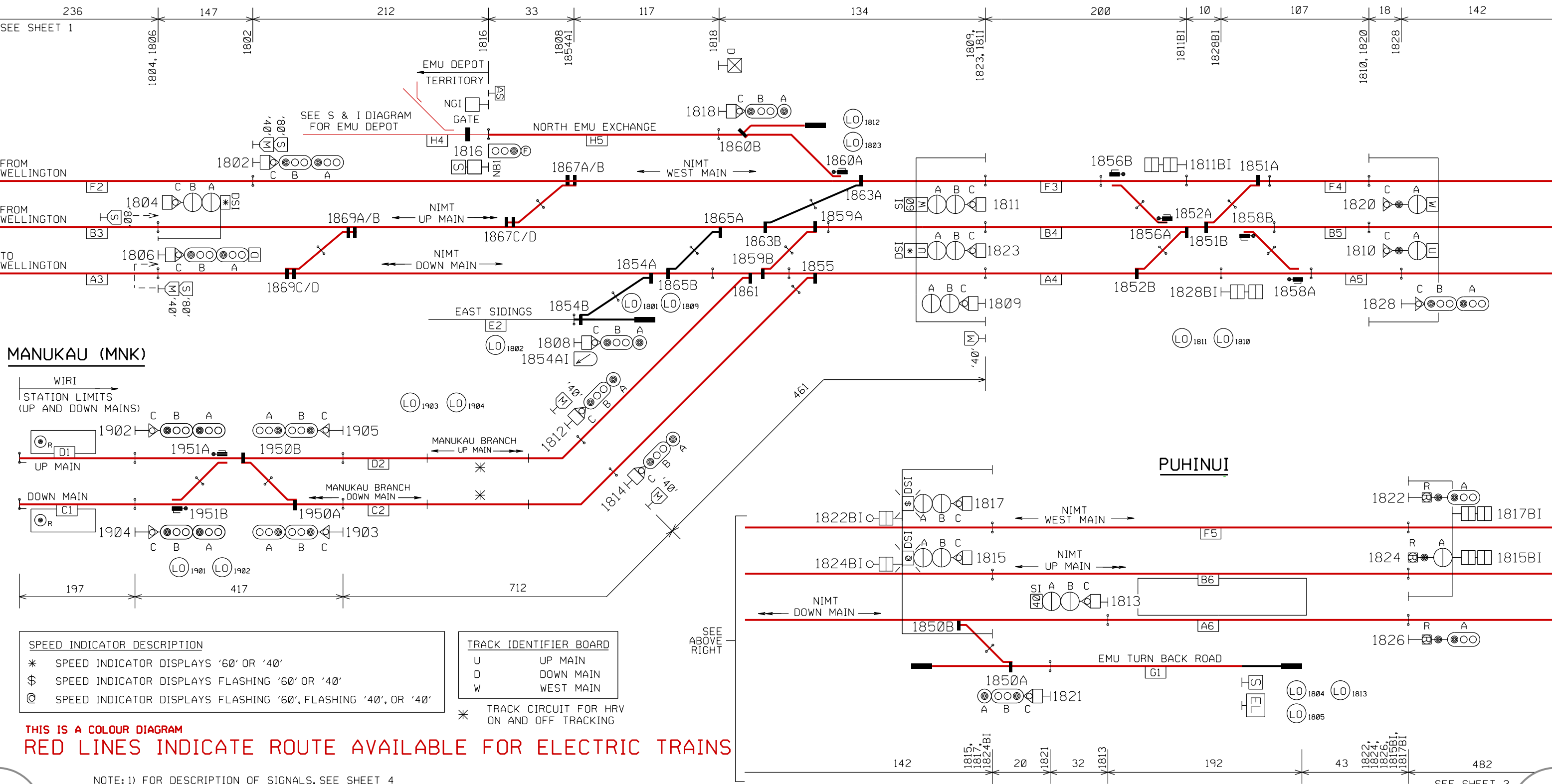
S

'LOPS BEGINS' BOARD BELOW
'ALL TRAINS STOP' BOARD

NB1

D

DEPOT SHUNTING LIMIT BOARD



MANUKAU (MNK)

PUHINUI

SPEED INDICATOR DESCRIPTION

* SPEED INDICATOR DISPLAYS '60' OR '40'

\$ SPEED INDICATOR DISPLAYS FLASHING '60' OR '40'

© SPEED INDICATOR DISPLAYS FLASHING '60', FLASHING '40', OR '40'

TRACK IDENTIFIER BOARD

U UP MAIN

D DOWN MAIN

W WEST MAIN

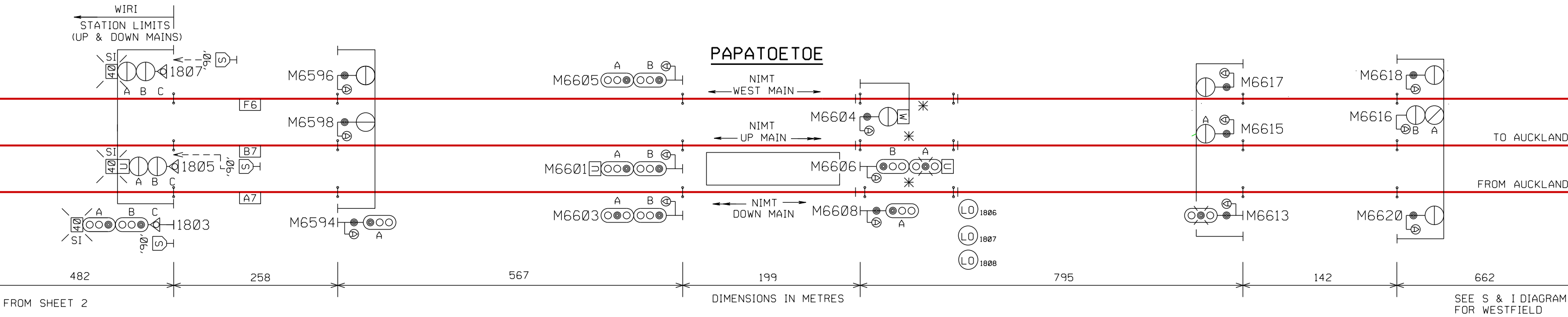
* TRACK CIRCUIT FOR HRV ON AND OFF TRACKING

THIS IS A COLOUR DIAGRAM
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NOTE: 1) FOR DESCRIPTION OF SIGNALS, SEE SHEET 4
2) FOR DESCRIPTION OF ROUTE INDICATORS, SEE SHEET 3

WIRI

SIGNALLING & INTERLOCKING ARRANGEMENTS



* TRACK CIRCUIT FOR HRV
ON AND OFF TRACKING

TRACK IDENTIFIER BOARD		
U	UP MAIN	
D	DOWN MAIN	
W	WEST MAIN	

ROUTE INDICATOR DESCRIPTION - WIRI JUNCTION		
SIGNAL	DISPLAY	ROUTE SET TO
1802, 1804, 1806, 1808, 1812, 1813, 1814, 1815, 1817, 1818, 1821	W	NIMT WEST MAIN
	U	NIMT UP MAIN
	D	NIMT DOWN MAIN
1809	D	NIMT DOWN MAIN
	MU	MANUKAU BRANCH UP MAIN
	MD	MANUKAU BRANCH DOWN MAIN
	F	EAST SIDINGS
1811	F	EAST SIDINGS
	D	NIMT DOWN MAIN (PRIMARY)
	D (FLASHING)	NIMT DOWN MAIN (NON-ELECTRIFIED)
	U	NIMT UP MAIN (PRIMARY)
	U (FLASHING)	NIMT UP MAIN (NON-ELECTRIFIED)
	W	NIMT WEST MAIN
	Y	YARD (NORTH EMU EXCHANGE)
1823	MU	MRL UP MAIN
	F	EAST SIDINGS
	D	NIMT DOWN MAIN
	U	NIMT UP MAIN

NOTES:
FOR 1803 AND 1805 DESCRIPTION OF SIGNALS SEE SHEET 4.

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RED LINES INDICATE ROUTE AVAILABLE FOR ELECTRIC TRAINS

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P.R. KING
SENIOR SIGNALS ENGINEER

SIGNALLING & INTERLOCKING ARRANGEMENTS

<u>WIRI</u>			<u>WIRI JUNCTION - PUHINUI</u>		
2003ABC	DOWN DIRECTING FROM A3	NORMAL SPEED TO A2 MEDIUM SPEED TO B2, F1 OR H1 LOW SPEED TO A2, B2, F1 OR H1	1802ABC	UP DIRECTING FROM F2	NORMAL SPEED TO F4 MEDIUM SPEED TO A5 OR B5 LOW SPEED TO A5, B5 OR F4
2004ABC	UP HOME FROM B1	NORMAL SPEED TO B2 MEDIUM SPEED TO F1 OR H1 # MEDIUM SPEED (40 km/h) TO H1 # MEDIUM SPEED (60 km/h) TO F1	1803ABC	DOWN HOME FROM A7	NORMAL SPEED TO A6 # ADVANCE CAUTION SPEED (FLASHING 40 km/h) 1813 TO B4 OR F3 # ADVANCE CAUTION SPEED (FLASHING 40 km/h) 1813 (WITH 1809 AT STOP)
2005ABC	DOWN DIRECTING FROM B3	LOW SPEED TO B2, F1 OR H1 NORMAL SPEED TO B2 MEDIUM SPEED TO F1 OR H1	1804ABC	UP DIRECTING FROM B3	LOW SPEED TO A6 NORMAL SPEED TO B5 # MEDIUM SPEED (40 km/h) TO A5 (VIA 1858) OR F4 (VIA 1851)
2006ABC	UP HOME FROM A1	LOW SPEED TO B2, F1 OR H1 NORMAL SPEED TO A2 MEDIUM SPEED TO B2, F1 OR H1	1805ABC	DOWN HOME FROM B7	# MEDIUM SPEED (60 km/h) TO F4 (VIA 1867) LOW SPEED TO B5, A5 OR F4 NORMAL SPEED TO B6
2008ABC	UP DIRECTING FROM B2	LOW SPEED TO B2, A2, F1 OR H1 NORMAL SPEED TO B3 MEDIUM SPEED TO A3 # ADVANCE CAUTION MEDIUM SPEED (FLASHING 40 km/h) 1804 TO A5 (VIA 1858), F4 (VIA 1851) # ADVANCE CAUTION MEDIUM SPEED (FLASHING 60 km/h) 1804 TO F4 (VIA 1867)	1806ABC	UP DIRECTING FROM A3	# ADVANCE CAUTION SPEED (FLASHING 40 km/h) 1815 LOW SPEED TO B6 NORMAL SPEED TO A5
2009ABC	DOWN DIRECTING FROM F2	MEDIUM SPEED TO B5 OR F4 LOW SPEED TO A5, B5 OR F4 NORMAL SPEED TO F5	1807ABC	DOWN HOME FROM F6	# ADVANCE CAUTION SPEED (FLASHING 40 km/h) 1817 LOW SPEED TO F5 MEDIUM SPEED TO B5, A5 OR F4
2010ABC	UP DIRECTING FROM A2	LOW SPEED TO B5, A5 OR F4 NORMAL SPEED TO A3 MEDIUM SPEED TO B5, A5 OR F4	1808ABC	UP DIRECTING FROM E2	LOW SPEED TO B5, A5 OR F4 NORMAL SPEED TO A3
2011ABC	DOWN DIRECTING FROM E1	MEDIUM SPEED TO D2 OR C2 LOW SPEED TO A3, E2, D2 OR C2 NORMAL SPEED TO B6	1809ABC	DOWN DIRECTING FROM A4	LOW SPEED TO B6 NORMAL SPEED TO F2
2012ABC	UP DIRECTING FROM F1	MEDIUM SPEED TO B3 (VIA 1863), A3 (VIA 1863 AND 1865) OR H5 # MEDIUM SPEED (60 km/h) TO B3 (VIA 1867), A3 (VIA 1867 AND 1869)	1810ABC	UP DIRECTING FROM B5	LOW SPEED TO E2, A3, B3, F2, OR H5 MEDIUM SPEED TO B5, A5 OR F4
2014ABC	UP DIRECTING FROM H1	LOW SPEED TO B5, A5 OR F4 NORMAL SPEED TO A4	1811ABC	DOWN DIRECTING FROM F3	LOW SPEED TO B5, A5 OR F4 NORMAL SPEED TO A4
2015AR	DOWN DEPARTURE FROM A2	# MEDIUM SPEED (40 km/h) TO A4 1809 AT STOP MEDIUM SPEED TO B4 OR F3 LOW SPEED TO A4, B4, OR F3	1812ABC	UP DIRECTING FROM D2	MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR F4
2017ABR	DOWN DEPARTURE FROM B2	MEDIUM SPEED TO B5, A5 OR F4 NORMAL SPEED TO B4	1813ABC	DOWN DIRECTING FROM A6	# CAUTION SPEED (40 km/h) TO B4 1823 AT STOP # MEDIUM SPEED (40 km/h) TO A4 OR F3
2019ABR	DOWN DEPARTURE FROM F1	# ADVANCE CAUTION MEDIUM SPEED (FLASHING 40 km/h) 1823 TO D2 OR A3 (VIA 1859) # ADVANCE CAUTION MEDIUM SPEED (FLASHING 60 km/h) 1823 TO A3 (VIA 1869) # ADVANCE CAUTION MEDIUM SPEED (FLASHING 60 km/h) 1811 TO A3 OR B3	1814ABC	UP DIRECTING FROM C2	LOW SPEED TO B4, A4, OR F3 LOW SPEED TO H5 NORMAL SPEED TO F3
2021ABR	DOWN DEPARTURE FROM H1	MEDIUM SPEED TO A4 OR B4 LOW SPEED TO A4, B4, OR F3	1815ABC	DOWN DIRECTING FROM B6	MEDIUM SPEED TO A4 OR B4 # CAUTION SPEED (40 km/h) TO F3 1811 AT STOP # ADVANCE CAUTION MEDIUM SPEED (FLASHING 60 km/h) 1811 TO B3 OR A3
2025	SHUNT AND DOWN DIRECTING FROM H3	LOW SPEED TO B3, A3 (VIA 1869 OR 1859), E2 OR D2 NORMAL SPEED TO B7 RESTRICTED SPEED TO B7	1816	SHUNT FROM H4	NORMAL SPEED TO A7 RESTRICTED SPEED TO A7
			1817ABC	DOWN DIRECTING FROM F5	NORMAL SPEED TO A6 MEDIUM SPEED TO G1 LOW SPEED TO A6 OR G1
<u>MANUKAU</u>					
1902ABC	UP DIRECTING FROM D1	NORMAL SPEED TO D2 MEDIUM SPEED TO C2 LOW SPEED TO D2 OR C2	1818ABC	UP DIRECTING FROM H5	
1903ABC	DOWN DIRECTING FROM C2	NORMAL SPEED TO C1 MEDIUM SPEED TO D1 LOW SPEED TO C1 OR D1	1820ABC	UP DIRECTING FROM F4	
1904ABC	UP DIRECTING FROM C1	NORMAL SPEED TO C2 MEDIUM SPEED TO D2 LOW SPEED TO C2 OR D2	1821ABC	DOWN DIRECTING FROM G1	
1905ABC	DOWN DIRECTING FROM D2	NORMAL SPEED TO D1 MEDIUM SPEED TO C1 LOW SPEED TO D1 OR C1	1822AR	UP DEPARTURE FROM F5	
			1823ABC	DOWN DIRECTING FROM B4	
# AS SHOWN ON SPEED INDICATOR			1824AR	UP DEPARTURE FROM B6	
			1826AR	UP DEPARTURE FROM A6	
			1828ABC	UP DIRECTING FROM A5	