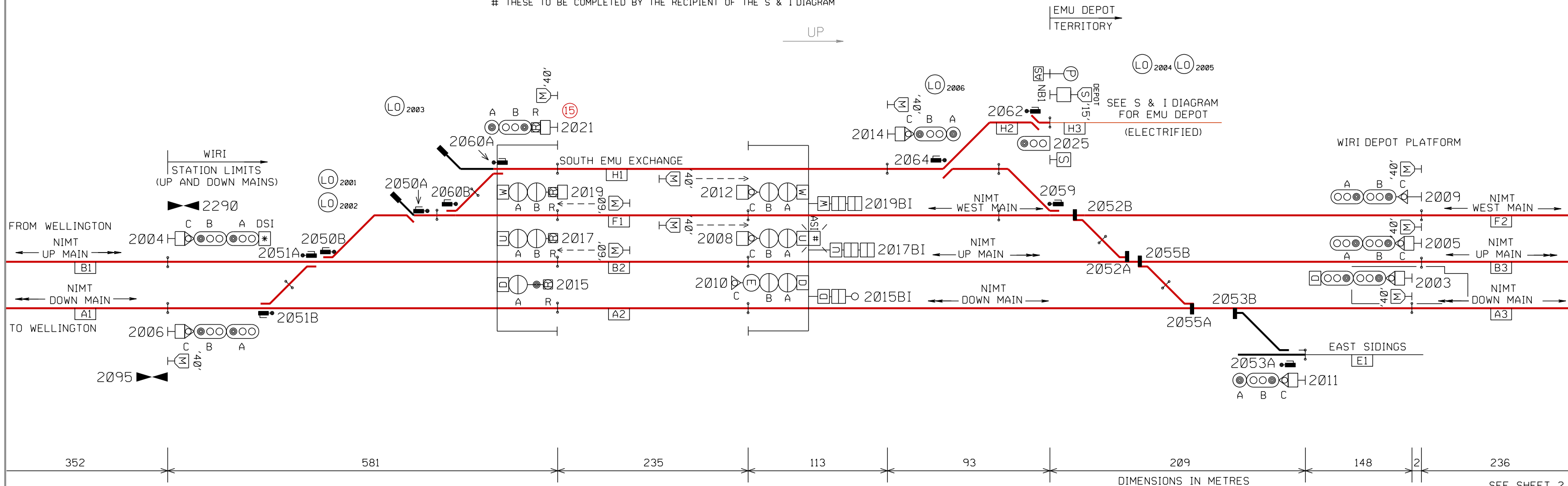


WIRI (WIR)

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. 3574
THESE TO BE COMPLETED BY THE RECIPIENT OF THE S & I DIAGRAM



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
	Y	YARD (SOUTH EMU EXCHANGE)		S	EAST SIDING ROAD No. 1
2004	W	NIMT WEST MAIN	2014	W	NIMT WEST MAIN
	U	NIMT UP MAIN		U	NIMT UP MAIN
	Y	YARD (SOUTH EMU EXCHANGE)		D	NIMT DOWN MAIN
2005	W	NIMT WEST MAIN		S	EAST SIDING ROAD No. 1
	U	NIMT UP MAIN		Y	YARD EMU (DEPOT)
	Y	YARD (SOUTH EMU EXCHANGE)	2019	U	NIMT UP MAIN
2006	W	NIMT WEST MAIN		D	NIMT DOWN MAIN
	U	NIMT UP MAIN	2021	U	NIMT UP MAIN
	D	NIMT DOWN MAIN		D	NIMT DOWN MAIN
	Y	YARD (SOUTH EMU EXCHANGE)			
2008	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

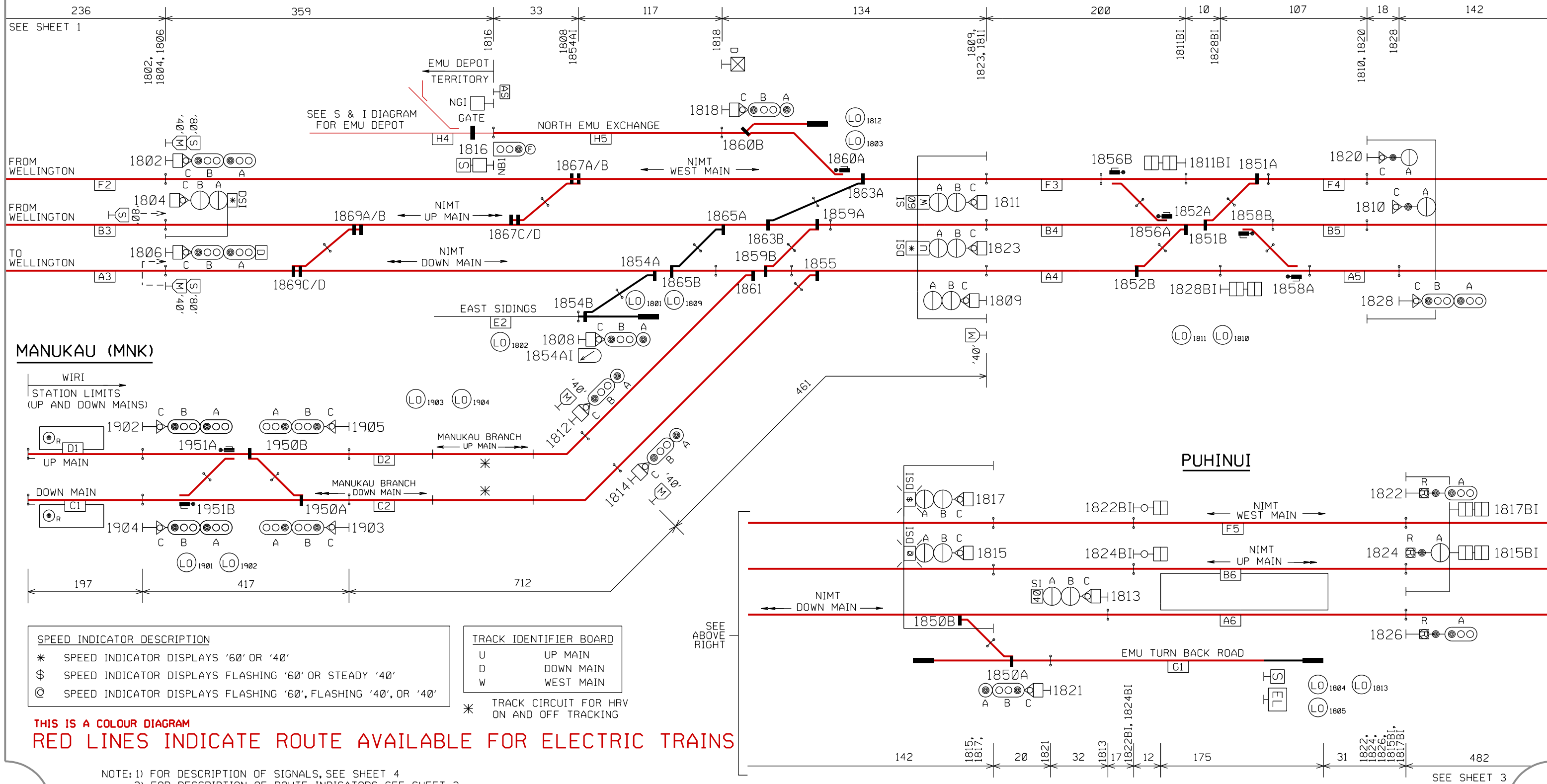
PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED

P.R. KING
SENIOR SIGNALS ENGINEER

WIRI

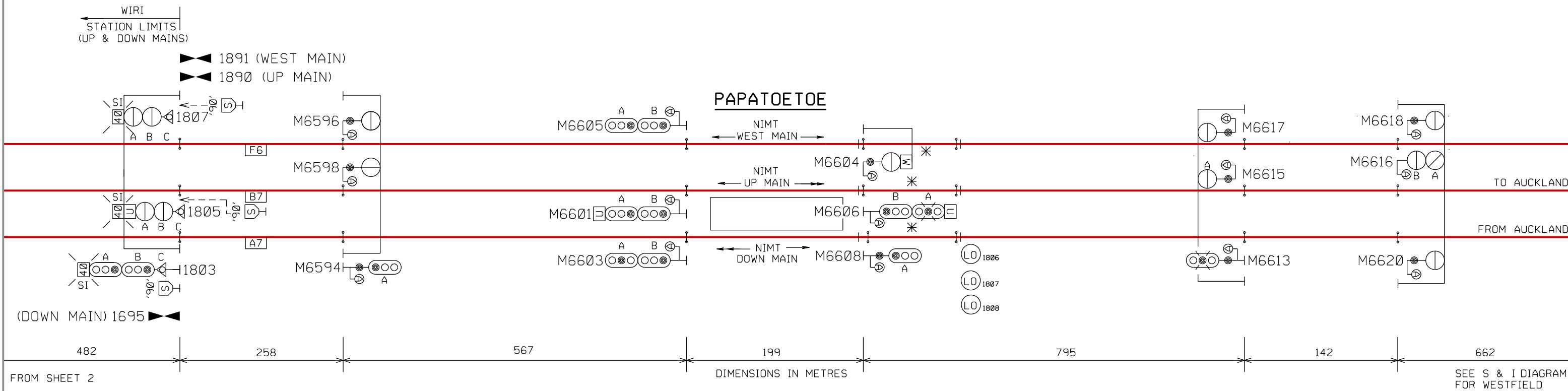
SIGNALLING & INTERLOCKING ARRANGEMENTS

[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	
[X] D	DEPOT SHUNTING LIMIT BOARD



WIRI

SIGNALLING & INTERLOCKING ARRANGEMENTS



* TRACK CIRCUIT FOR HRV
ON AND OFF TRACKING

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

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

NOTE: THIS IS A COLOUR DIAGRAM
RED LINES INDICATE ROUTE AVAILABLE FOR ELECTRIC TRAINS

WIRI

SIGNALLING & INTERLOCKING ARRANGEMENTS

DESCRIPTION OF SIGNALS

WIRI			WIRI JUNCTION - PUHINUI		
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 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 F4 (VIA 1851) # MEDIUM SPEED (60 km/h) TO F4 (VIA 1867)
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	LOW SPEED TO B5, A5 OR F4 NORMAL SPEED TO B6 # ADVANCE CAUTION SPEED (FLASHING 40 km/h) 1815
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	LOW SPEED TO B6 NORMAL SPEED TO A5 MEDIUM SPEED TO B5 OR F4 LOW SPEED TO A5, B5 OR F4 NORMAL SPEED TO F5 # ADVANCE CAUTION SPEED (FLASHING 40 km/h) 1817
2009ABC	DOWN DIRECTING FROM F2	LOW SPEED TO B3, A3 OR E1 NORMAL SPEED TO F1 MEDIUM SPEED TO H1	1807ABC	DOWN HOME FROM F6	LOW SPEED TO F5 MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR F4
2010ABC	UP DIRECTING FROM A2	LOW SPEED TO F1 OR H1 NORMAL SPEED TO A3 LOW SPEED TO A3 OR E1	1808ABC	UP DIRECTING FROM E2	NORMAL SPEED TO A3 MEDIUM SPEED TO D2 OR C2 LOW SPEED TO A3, E2, D2 OR C2
2011ABC	DOWN DIRECTING FROM E1	MEDIUM SPEED TO A2, B2, F1 OR H1 LOW SPEED TO A2, B2, F1 OR H1	1809ABC	DOWN DIRECTING FROM A4	NORMAL SPEED TO B6 LOW SPEED TO B6 NORMAL SPEED TO F2
2012ABC	UP DIRECTING FROM F1	NORMAL SPEED TO F2 MEDIUM SPEED TO B3 OR A3 LOW SPEED TO F2, B3, A3 OR E1	1810ABC	UP DIRECTING FROM B5	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)
2014ABC	UP DIRECTING FROM H1	MEDIUM SPEED TO B3, F2 OR A3 LOW SPEED TO B3, H2, A3, F2, E1	1811ABC	DOWN DIRECTING FROM F3	LOW SPEED TO E2, A3, B3, F2, OR H5 MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR F4
2015AR	DOWN DEPARTURE FROM A2	NORMAL SPEED TO A1 RESTRICTED SPEED TO A1	1812ABC	UP DIRECTING FROM D2	NORMAL SPEED TO A4 # MEDIUM SPEED (40 km/h) TO A4 1809 AT STOP
2017ABR	DOWN DEPARTURE FROM B2	MEDIUM SPEED TO A1 RESTRICTED SPEED TO B1 OR A1	1813ABC	DOWN DIRECTING FROM A6	MEDIUM SPEED TO B4 OR F3 LOW SPEED TO A4, B4, OR F3 MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR F4
2019ABR	DOWN DEPARTURE FROM F1	MEDIUM SPEED TO A1 OR B1 RESTRICTED SPEED TO A1 OR B1	1814ABC	UP DIRECTING FROM C2	NORMAL SPEED TO B4 # CAUTION SPEED (40 km/h) TO B4 1823 AT STOP # MEDIUM SPEED (40 km/h) TO A4 OR F3
2021ABR	DOWN DEPARTURE FROM H1	MEDIUM SPEED TO B1 OR A1 RESTRICTED SPEED TO B1 OR A1	1815ABC	DOWN DIRECTING FROM B6	# 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
2025	SHUNT AND DOWN DIRECTING FROM H3	LOW SPEED TO H1	1816	SHUNT FROM H4	LOW SPEED TO B4, A4, OR F3 LOW SPEED TO H5 NORMAL SPEED TO F3
			1817ABC	DOWN DIRECTING FROM F5	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
			1818ABC	UP DIRECTING FROM H5	LOW SPEED TO A4, B4, OR F3 MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR F4
			1820ABC	UP DIRECTING FROM F4	NORMAL SPEED TO F5 LOW SPEED TO F5
			1821ABC	DOWN DIRECTING FROM G1	MEDIUM SPEED TO A4, B4, OR F3 LOW SPEED TO A4, B4, OR F3
			1822AR	UP DEPARTURE FROM F5	NORMAL SPEED TO F6 RESTRICTED SPEED TO F6
			1823ABC	DOWN DIRECTING FROM B4	NORMAL SPEED TO B3 # MEDIUM SPEED (40 km/h) TO D2 OR A3 (VIA 1859) # MEDIUM SPEED (60 km/h) TO A3 (VIA 1869)
			1824AR	UP DEPARTURE FROM B6	LOW SPEED TO B3, A3 (VIA 1869 OR 1859), E2 OR D2 NORMAL SPEED TO B7 RESTRICTED SPEED TO B7
			1826AR	UP DEPARTURE FROM A6	NORMAL SPEED TO A7 RESTRICTED SPEED TO A7
			1828ABC	UP DIRECTING FROM A5	NORMAL SPEED TO A6 MEDIUM SPEED TO G1 LOW SPEED TO A6 OR G1

AS SHOWN ON SPEED INDICATOR