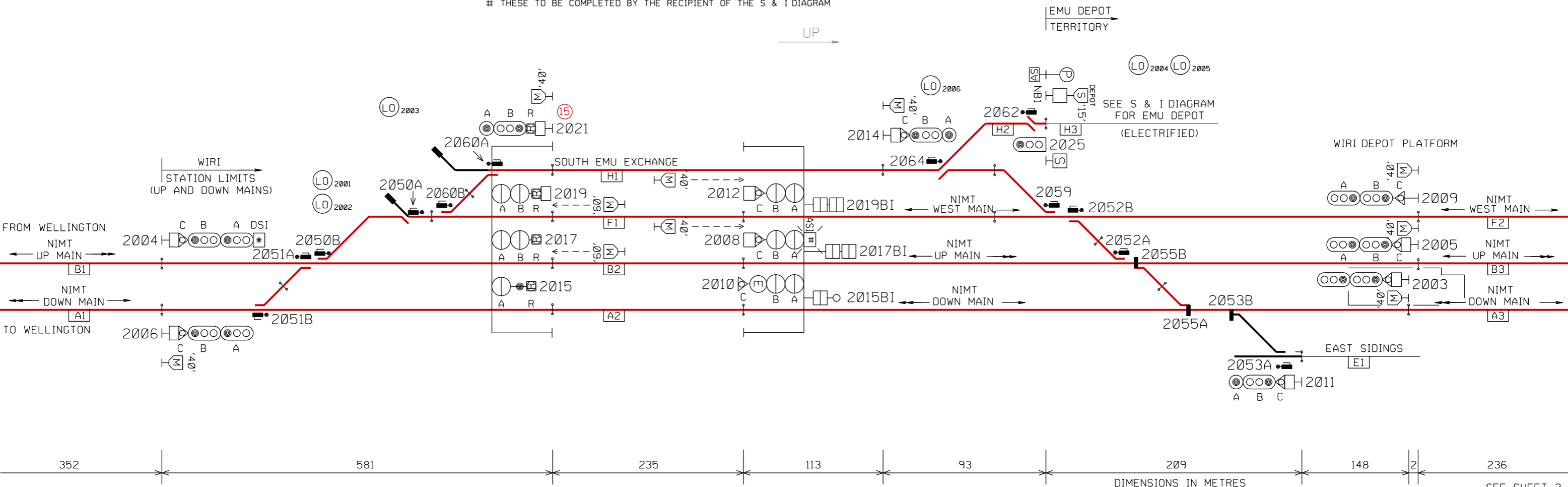


# WIRI (WIR)

## 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. 3459  
# THESE TO BE COMPLETED BY THE RECIPIENT OF THE S & I DIAGRAM



SEE S & I DIAGRAM FOR PAKAPURA

SEE SHEET 2

FOR DESCRIPTION OF SIGNALS, SEE SHEET 4.

⑮ ETCS APPROACH SPEED (15 km/h)

Ⓢ 'LOPS BEGINS' BOARD BELOW  
NB1 'ALL TRAINS STOP' BOARD

ⓔ LIGHT ILLUMINATED INDICATES ROUTE SET TO ELECTRIFIED ROAD

Ⓟ ROUTE PROCEED INDICATOR (RPI) (YELLOW INDICATION)

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

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 (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
	D	NIMT DOWN MAIN		D	NIMT DOWN MAIN
2008	Y	YARD (SOUTH EMU EXCHANGE)			
	U	NIMT UP MAIN			
	D	NIMT DOWN MAIN			
	S	EAST SIDING ROAD No. 1			

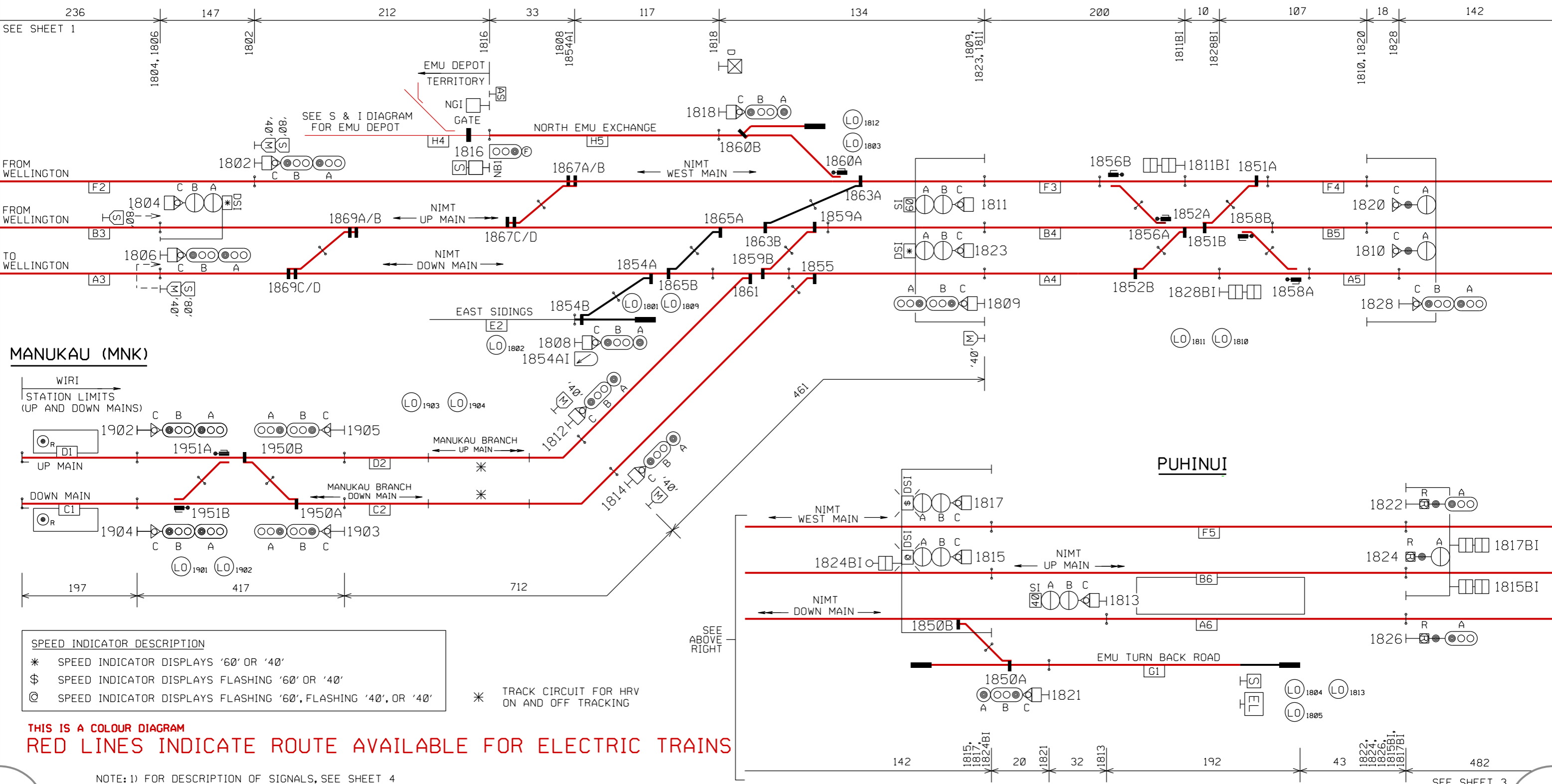
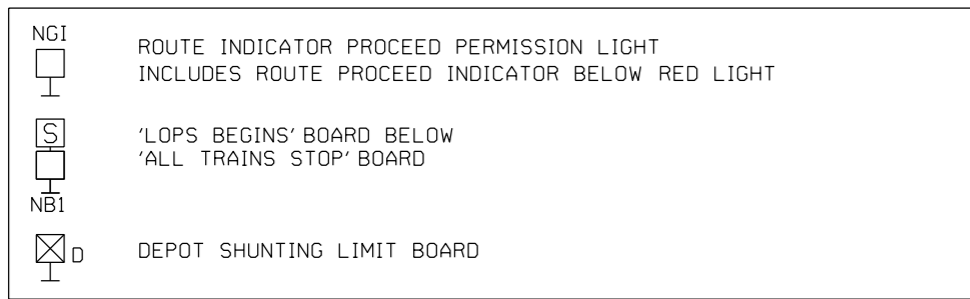
**NOTE: THIS IS A COLOUR DIAGRAM  
RED LINES INDICATE ROUTE AVAILABLE FOR ELECTRIC TRAINS**

PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED

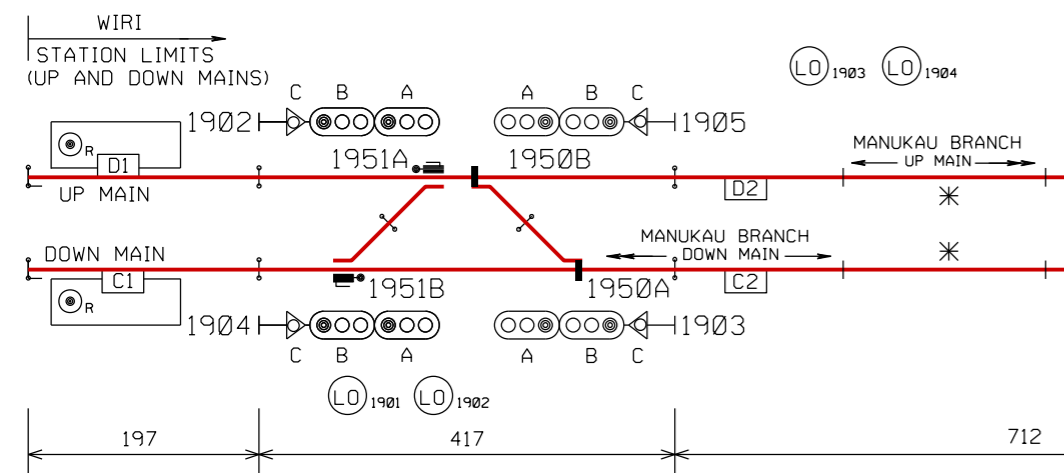
P.R. KING  
SENIOR SIGNALS ENGINEER

## WIRI

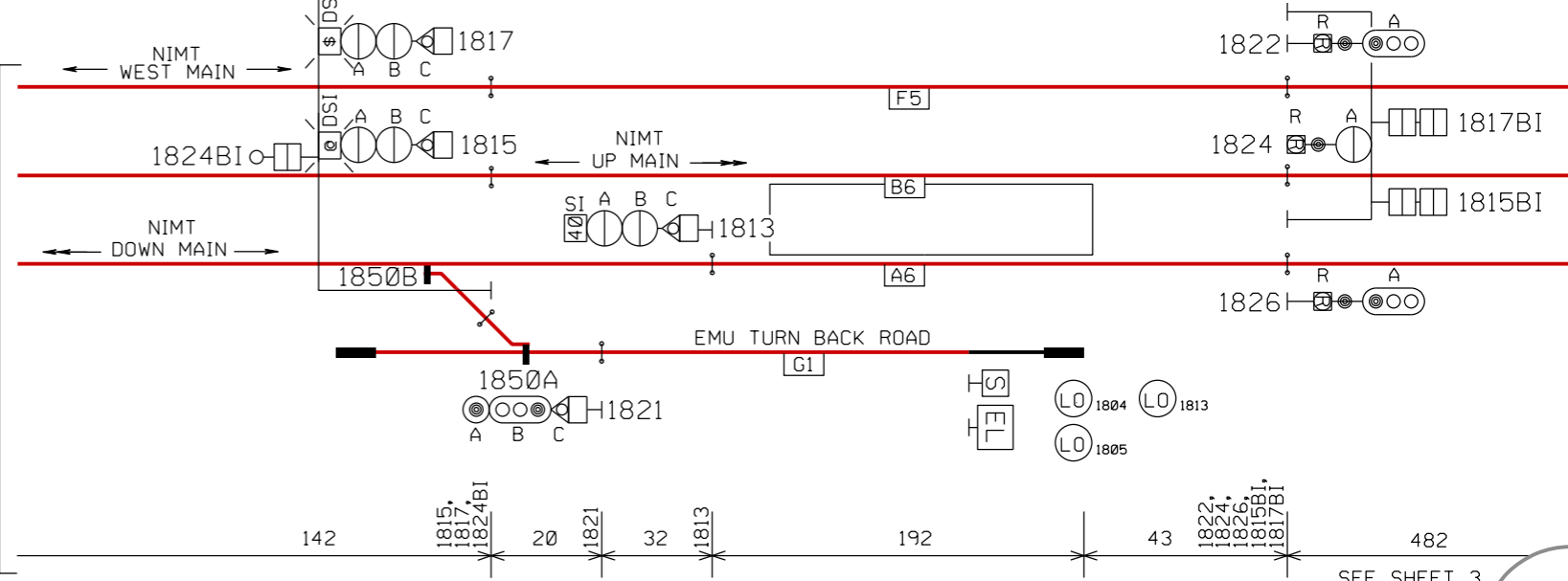
### SIGNALLING & INTERLOCKING ARRANGEMENTS



#### 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 CIRCUIT FOR HRV ON AND OFF TRACKING

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

NOTE: 1) FOR DESCRIPTION OF SIGNALS, SEE SHEET 4  
2) FOR DESCRIPTION OF ROUTE INDICATORS, SEE SHEET 3  
3) (N) POINTS SECURED IN NORMAL

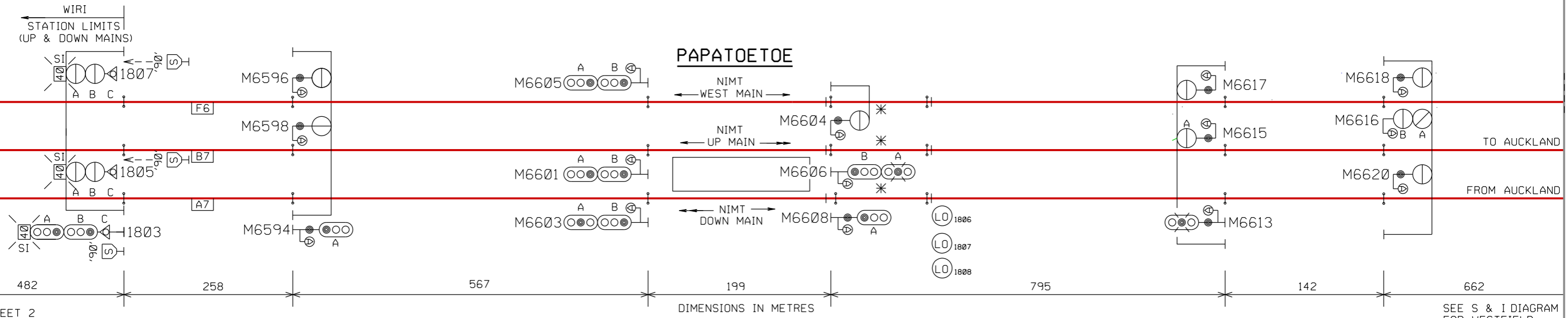
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SENIOR SIGNALS ENGINEER

SEE SHEET 3

# WIRI

## SIGNALLING & INTERLOCKING ARRANGEMENTS



FROM SHEET 2

DIMENSIONS IN METRES

SEE S & I DIAGRAM FOR WESTFIELD

\* TRACK CIRCUIT FOR HRV ON AND OFF TRACKING

### ROUTE INDICATOR DESCRIPTION - WIRI JUNCTION

SIGNAL	DISPLAY	ROUTE SET TO
1802, 1804, 1806, 1808,	W	NIMT WEST MAIN
1812, 1813, 1814, 1815, 1817, 1818, 1821	U	NIMT UP 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.

**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

### 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 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 LOW SPEED TO B2, F1 OR H1	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) LOW SPEED TO A6
2005ABC	DOWN DIRECTING FROM B3	NORMAL SPEED TO B2 MEDIUM SPEED TO F1 OR H1 LOW SPEED TO B2, F1 OR H1	1804ABC UP DIRECTING FROM B3 NORMAL SPEED TO B5 # MEDIUM SPEED (40 km/h) TO A5 (VIA 1858) OR F4 (VIA 1851) # MEDIUM SPEED (60 km/h) TO F4 (VIA 1867) LOW SPEED TO B5, A5 OR F4
2006ABC	UP HOME FROM A1	NORMAL SPEED TO A2 MEDIUM SPEED TO B2, F1 OR H1 LOW SPEED TO B2, A2, F1 OR H1	1805ABC DOWN HOME FROM B7 NORMAL SPEED TO B6 # ADVANCE CAUTION SPEED (FLASHING 40 km/h) 1815 LOW SPEED TO B6
2008ABC	UP DIRECTING FROM B2	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) LOW SPEED TO B3, A3 OR E1	1806ABC UP DIRECTING FROM A3 NORMAL SPEED TO A5 MEDIUM SPEED TO B5 OR F4 LOW SPEED TO A5, B5 OR F4
2009ABC	DOWN DIRECTING FROM F2	NORMAL SPEED TO F1 MEDIUM SPEED TO H1 LOW SPEED TO F1 OR H1	1807ABC DOWN HOME FROM F6 NORMAL SPEED TO F5 # ADVANCE CAUTION SPEED (FLASHING 40 km/h) 1817 LOW SPEED TO F5
2010ABC	UP DIRECTING FROM A2	NORMAL SPEED TO A3 LOW SPEED TO A3 OR E1	1808ABC UP DIRECTING FROM E2 MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR F4
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 A3 MEDIUM SPEED TO D2 OR C2 LOW SPEED TO A3, E2, D2 OR C2
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 NORMAL SPEED TO B6 LOW SPEED TO B6
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 NORMAL SPEED TO F2 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) LOW SPEED TO E2, A3, B3, F2, OR H5
2015AR	DOWN DEPARTURE FROM A2	NORMAL SPEED TO A1 RESTRICTED SPEED TO A1	1812ABC UP DIRECTING FROM D2 MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR F4
2017ABR	DOWN DEPARTURE FROM B2	NORMAL SPEED TO B1 MEDIUM SPEED TO A1 RESTRICTED SPEED TO B1 OR A1	1813ABC DOWN DIRECTING FROM A6 NORMAL SPEED TO A4 # MEDIUM SPEED (40 km/h) TO A4 1809 AT STOP MEDIUM SPEED TO B4 OR F3 LOW SPEED TO A4, B4, OR F3
2019ABR	DOWN DEPARTURE FROM F1	MEDIUM SPEED TO A1 OR B1 RESTRICTED SPEED TO A1 OR B1	1814ABC UP DIRECTING FROM C2 MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR F4
2021ABR	DOWN DEPARTURE FROM H1	MEDIUM SPEED TO B1 OR A1 RESTRICTED SPEED TO B1 OR A1	1815ABC DOWN DIRECTING FROM B6 NORMAL SPEED TO B4 # CAUTION SPEED (40 km/h) TO B4 1823 AT STOP # MEDIUM SPEED (40 km/h) TO A4 OR F3 # 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 LOW SPEED TO B4, A4, OR F3
2025	SHUNT AND DOWN DIRECTING FROM H3	LOW SPEED TO H1	1816 SHUNT FROM H4 1817ABC DOWN DIRECTING FROM F5 LOW SPEED TO H5 NORMAL SPEED TO F3 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 LOW SPEED TO A4, B4, OR F3 MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR F4
<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 MEDIUM SPEED TO A4 OR B4 LOW SPEED TO A4, B4, OR F3
1903ABC	DOWN DIRECTING FROM C2	NORMAL SPEED TO C1 MEDIUM SPEED TO D1 LOW SPEED TO C1 OR D1	1820ABC UP DIRECTING FROM F4 MEDIUM SPEED TO B5, A5 OR F4 LOW SPEED TO B5, A5 OR 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 NORMAL SPEED TO F5 LOW SPEED TO F5
1905ABC	DOWN DIRECTING FROM D2	NORMAL SPEED TO D1 MEDIUM SPEED TO C1 LOW SPEED TO D1 OR C1	1822AR UP DEPARTURE FROM F5 MEDIUM SPEED TO A4, B4, OR F3 LOW SPEED TO A4, B4, OR F3
# AS SHOWN ON SPEED INDICATOR			1823ABC DOWN DIRECTING FROM B4 NORMAL SPEED TO F6 LOW SPEED TO F6 NORMAL SPEED TO B3 # MEDIUM SPEED (40 km/h) TO D2 OR A3 (VIA 1859) # MEDIUM SPEED (60 km/h) TO A3 (VIA 1869) LOW SPEED TO B3, A3 (VIA 1869 OR 1859), E2 OR D2
			1824AR UP DEPARTURE FROM B6 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