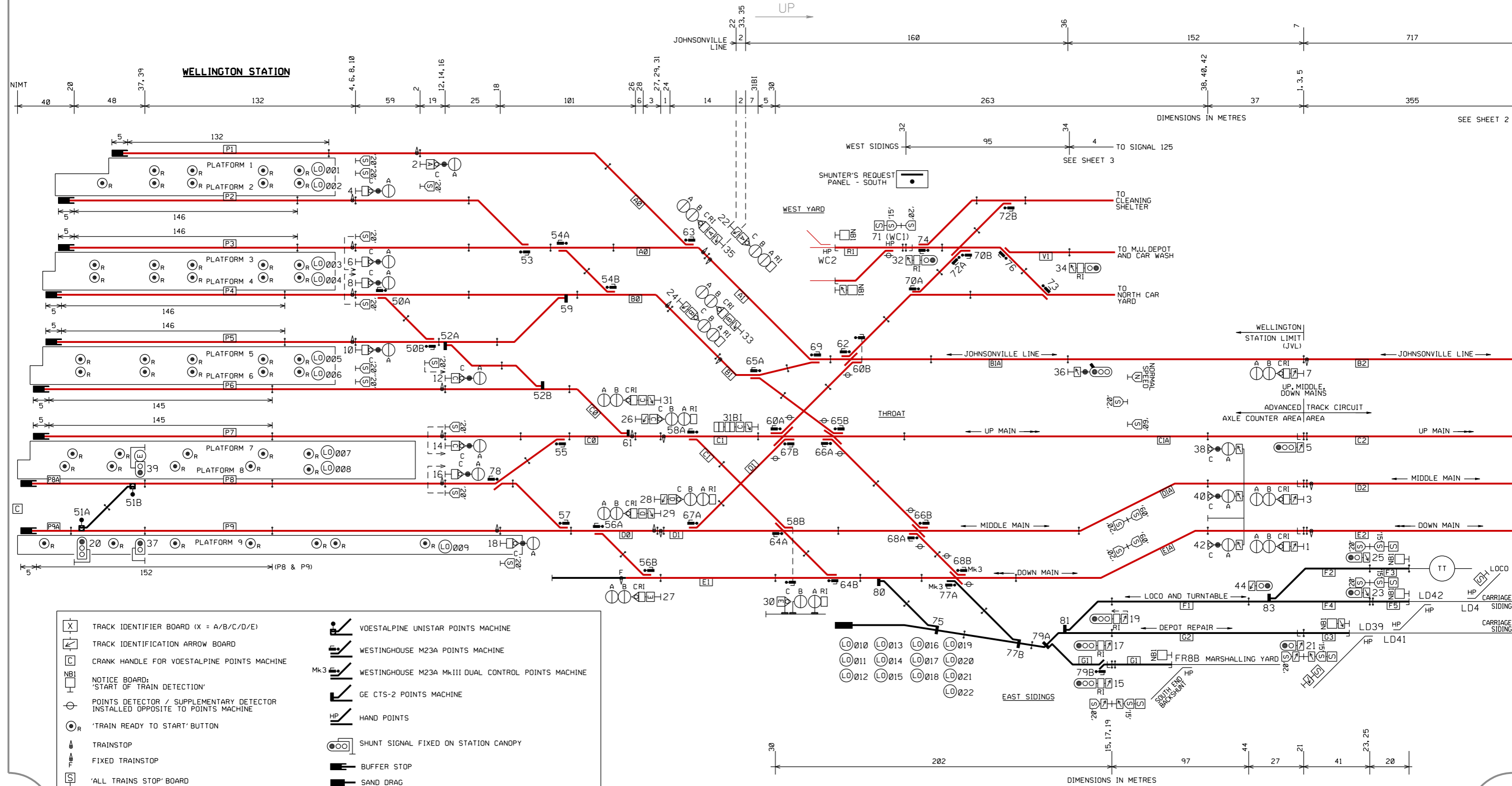


# WELLINGTON (WLG)

## 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. 3291  
# THESE TO BE COMPLETED BY THE RECIPIENT OF THE S & I DIAGRAM



	TRACK IDENTIFIER BOARD (X = A/B/C/D/E)		VOESTALPINE UNISTAR POINTS MACHINE
	TRACK IDENTIFICATION ARROW BOARD		WESTINGHOUSE M23A POINTS MACHINE
	CRANK HANDLE FOR VOESTALPINE POINTS MACHINE		WESTINGHOUSE M23A MkIII DUAL CONTROL POINTS MACHINE
	NOTICE BOARD: 'START OF TRAIN DETECTION'		GE CTS-2 POINTS MACHINE
	POINTS DETECTOR / SUPPLEMENTARY DETECTOR INSTALLED OPPOSITE TO POINTS MACHINE		HAND POINTS
	'TRAIN READY TO START' BUTTON		SHUNT SIGNAL FIXED ON STATION CANOPY
	TRAINSTOP		BUFFER STOP
	FIXED TRAINSTOP		SAND DRAG
	'ALL TRAINS STOP' BOARD		

NOTES:  
1. FOR DESCRIPTION OF SIGNALS, SEE SHEET 5.  
2. FOR DESCRIPTION OF ROUTE INDICATORS, SEE SHEET 6.

PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED

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

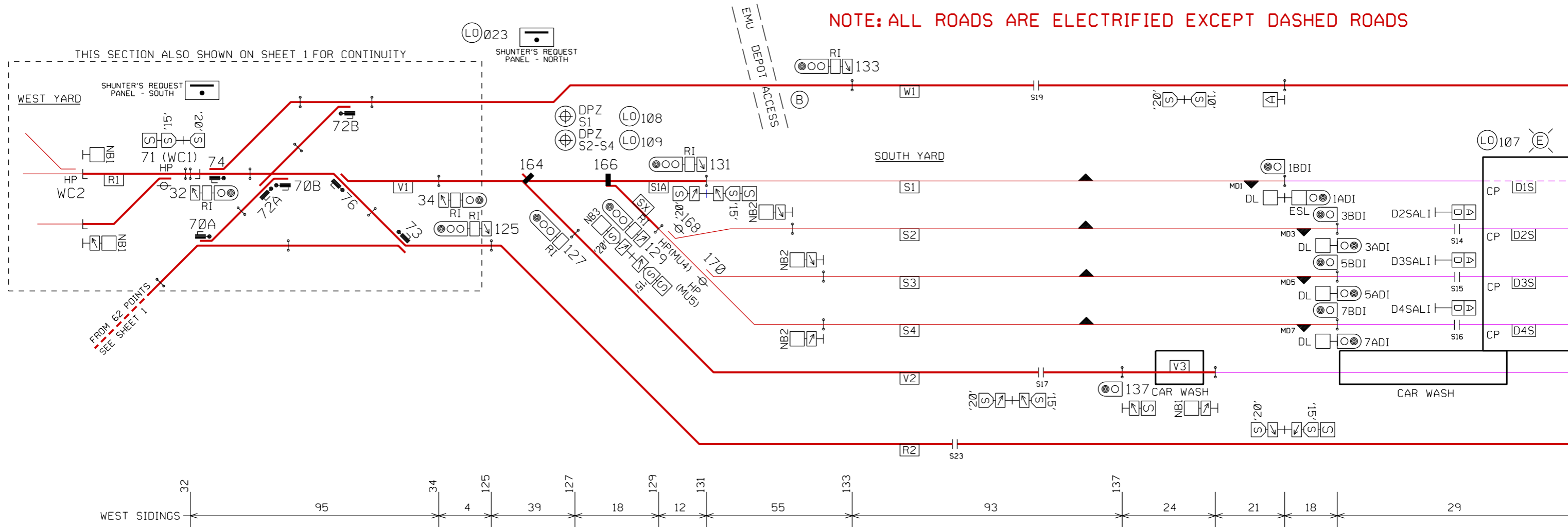
P.R. KING  
SENIOR SIGNALS ENGINEER



## WELLINGTON (WLG)

### SIGNALLING & INTERLOCKING ARRANGEMENTS EMU DEPOT OPERATING AREA

**NOTE: ALL ROADS ARE ELECTRIFIED EXCEPT DASHED ROADS**



BOARDS	
NB1	NOTICE BOARD: 'START OF TRAIN DETECTION'
NB2	NOTICE BOARD: 'SIGNAL 129 MUST BE AT PROCEED TO PASS THIS BOARD'
NB3	NOTICE BOARD: 'SIGNAL APPLIES TO S2, S3 AND S4 ROADS'
A	'ALARM STARTS HERE' BOARD
←	TRACK IDENTIFICATION ARROW BOARD
S	'ALL TRAINS STOP' BOARD
DL	'DEPOT LIMITS' BOARD
ESL	'ELECTRIC SERVICES LIMIT' BOARD

DERAILER INFORMATION	
DERAILER INDICATORS SHOW RED AND PURPLE: RED: STOP (DO NOT PASS UNLESS AUTHORISED BY THE PRESCRIBED WRITTEN OR VERBAL INSTRUCTION) PURPLE: DERAILER SET IN CORRECT POSITION FOR MOVEMENT	
DI	DERAILER INDICATOR
MD	MOTORISED DERAILER

ELECTRIFICATION	
A	TRACTION OVERHEAD LIVE LINE INDICATOR (LI)
A	A - ALIVE
D	D - DEAD
S	OVERHEAD TRACTION ISOLATION SWITCH
— —	OVERHEAD ISOLATION POINT
---	NON ELECTRIFIED

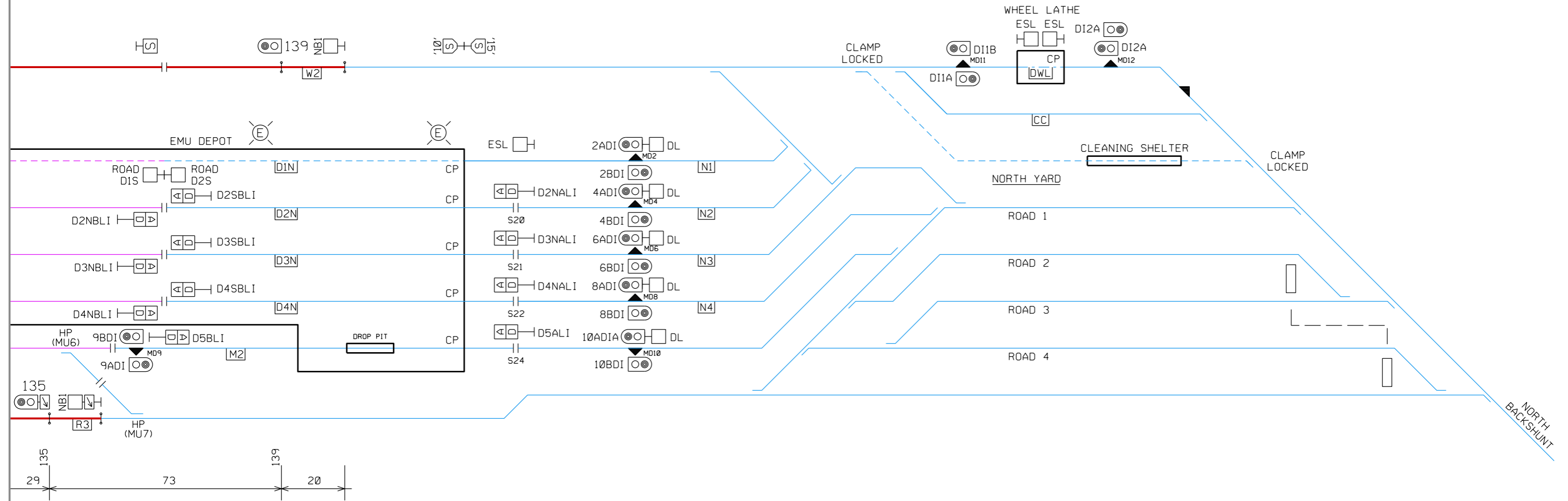
DEPOT CONTROLS	
E	RED EMERGENCY STOP STROBE BEACON
LO	LOCKOUT ZONE KEYSWITCH
CP	DEPOT PROTECTION SYSTEM - CONTROL PANEL
⊕	DEPOT PROTECTION ZONE CONTROL BOX

ROAD COLOUR KEY	
—	SIGNALLED TERRITORY
—	DEPOT YARD TERRITORY
—	NORTH YARD TERRITORY

## WELLINGTON (WLG)

### SIGNALLING & INTERLOCKING ARRANGEMENTS EMU DEPOT OPERATING AREA

**NOTE: ALL ROADS ARE ELECTRIFIED EXCEPT DASHED ROADS**



BOARDS	
NB1	NOTICE BOARD: 'START OF TRAIN DETECTION'
[Arrow]	TRACK IDENTIFICATION ARROW BOARD
[S]	'ALL TRAINS STOP' BOARD
DL	'DEPOT LIMITS' BOARD
ESL	'ELECTRIC SERVICES LIMIT' BOARD

DERAILER INFORMATION	
DERAILER INDICATORS SHOW RED AND PURPLE:	
RED:	STOP (DO NOT PASS UNLESS AUTHORISED BY THE PRESCRIBED WRITTEN OR VERBAL INSTRUCTION)
PURPLE:	DERAILER SET IN CORRECT POSITION FOR MOVEMENT
DI	DERAILER INDICATOR
MD	MOTORISED DERAILER

ELECTRIFICATION	
[A/D]	TRACTION OVERHEAD LIVE LINE INDICATOR (LI) A - ALIVE D - DEAD
[S]	OVERHEAD TRACTION ISOLATION SWITCH
[  ]	OVERHEAD ISOLATION POINT
[---]	NON ELECTRIFIED

DEPOT CONTROLS	
[E]	RED EMERGENCY STOP STROBE BEACON
[LO]	LOCKOUT ZONE KEYSWITCH
CP	DEPOT PROTECTION SYSTEM - CONTROL PANEL

ROAD COLOUR KEY	
[Red Line]	SIGNALLED TERRITORY
[Magenta Line]	DEPOT YARD TERRITORY
[Light Blue Line]	NORTH YARD TERRITORY

# WELLINGTON (WLG)

## SIGNALLING & INTERLOCKING ARRANGEMENTS

### DESCRIPTION OF SIGNALS

#### UP SIGNALS

2AC	UP DIRECTING FROM P1	NORMAL SPEED TO A0 LOW SPEED TO A0
4AC	UP DIRECTING FROM P2	NORMAL SPEED TO B0 OR A0 LOW SPEED TO B0 OR A0
6AC	UP DIRECTING FROM P3	NORMAL SPEED TO B0 OR A0 LOW SPEED TO B0 OR A0
8AC	UP DIRECTING FROM P4	NORMAL SPEED TO C0 OR B0 LOW SPEED TO C0, B0
10AC	UP DIRECTING FROM P5	NORMAL SPEED TO C0 OR B0 LOW SPEED TO C0 OR B0
12AC	UP DIRECTING FROM P6	NORMAL SPEED TO C0 LOW SPEED TO C0
14AC	UP DIRECTING FROM P7	NORMAL SPEED TO C0 LOW SPEED TO C0
16AC	UP DIRECTING FROM P8	NORMAL SPEED TO D0, C0 OR E1 LOW SPEED TO D0, C0 OR E1
18AC	UP DIRECTING FROM P9	NORMAL SPEED TO D0 OR E1 LOW SPEED TO D0 OR E1
20	SHUNT FROM P9A	LOW SPEED TO P8 OR P9
22ABC	UP DIRECTING FROM A0	NORMAL SPEED TO B1A MEDIUM SPEED TO V1, R2 OR W1 LOW SPEED TO B1A, V1, R2 OR W1
24ABC	UP DIRECTING FROM B0	NORMAL SPEED TO B1A MEDIUM SPEED TO C1A, D1A, E1A, V1, R2 OR W1 LOW SPEED TO B1A, C1A, D1A, F1, G1 G2, E1A, V1, R2 OR W1
26ABC	UP DIRECTING FROM C0	NORMAL SPEED TO C1A MEDIUM SPEED TO B1A, D1A, E1A, V1, R2 OR W1 LOW SPEED TO B1A, C1A, D1A, F1, G1, G2, V1, R2, W1 OR E1A
28ABC	UP DIRECTING FROM D0	NORMAL SPEED TO D1A MEDIUM SPEED TO B1A, C1A, E1A, V1, R2 OR W1 LOW SPEED TO B1A, C1A, D1A, F1, G1 G2, E1A, V1, R2 OR W1
30ABC	UP DIRECTING FROM E1	NORMAL SPEED TO E1A LOW SPEED TO F1, G2, G1 OR E1A
32	SHUNT FROM R1	LOW SPEED TO V1, W1 OR R2
34	SHUNT FROM V1	LOW SPEED TO S1A, SX OR V2
36	UP DEPARTURE FROM B1A	NORMAL SPEED TO B2
38AC	UP DIRECTING FROM C1A	NORMAL SPEED TO C2 LOW SPEED TO C2
40AC	UP DIRECTING FROM D1A	NORMAL SPEED TO D2 LOW SPEED TO D2
42AC	UP DIRECTING FROM E1A	NORMAL SPEED TO E2 LOW SPEED TO E2
44	SHUNT FROM F1	LOW SPEED TO F2 OR F4
102ABC	UP DIRECTING FROM C2	NORMAL SPEED TO C3 LOW SPEED TO C3
104AB	UP DIRECTING FROM D2	NORMAL SPEED TO D3
106AB	UP DIRECTING FROM E2	NORMAL SPEED TO E3
108AB	UP DIRECTING FROM C3	NORMAL SPEED TO B4 MEDIUM SPEED TO A4
110AB	UP DIRECTING FROM D3	MEDIUM SPEED TO B4
112AB	UP DIRECTING FROM E3	MEDIUM SPEED TO B4
114ABC	UP DIRECTING FROM E5A	MEDIUM SPEED TO B4 LOW SPEED TO E6
118	SHUNT AND UP DIRECTING FROM H1	LOW SPEED TO E5A
120	SHUNT AND UP DIRECTING FROM J4	LOW SPEED TO E5A
122	SHUNT AND UP DIRECTING FROM K2	LOW SPEED TO E5A
124	SHUNT AND UP DIRECTING FROM T1	LOW SPEED TO E5A
126	SHUNT AND UP DIRECTING FROM E4	LOW SPEED TO E5A
128	UP STARTING FROM A4	NORMAL SPEED TO A5
130	UP STARTING FROM B4	NORMAL SPEED TO B5 MEDIUM SPEED TO A5

#### DOWN SIGNALS

1ABC	DOWN DIRECTING FROM E2	NORMAL SPEED TO E1 MEDIUM SPEED TO B1, C1 OR D1 LOW SPEED TO E1, B1, C1 OR D1
3ABC	DOWN DIRECTING FROM D2	NORMAL SPEED TO D1 MEDIUM SPEED TO B1 OR C1 LOW SPEED TO B1, C1 OR D1
5	SHUNT FROM C2	LOW SPEED TO B1, C1 OR D1
7ABC	DOWN HOME FROM B2	NORMAL SPEED TO B1 MEDIUM SPEED TO A1, C1 OR D1 LOW SPEED TO A1, B1, C1 OR D1
15	SHUNT FROM G1	LOW SPEED TO B1, C1, D1 OR E1
17	SHUNT FROM G2	LOW SPEED TO B1, C1, D1 OR E1
19	SHUNT FROM F1	LOW SPEED TO B1, C1, D1 OR E1
21	SHUNT FROM G3	LOW SPEED TO G2
23	SHUNT FROM F5	LOW SPEED TO F1
25	SHUNT FROM F3	LOW SPEED TO F1
27ABC	DOWN DIRECTING FROM E1	MEDIUM SPEED TO P8 OR P9 LOW SPEED TO P8 OR P9
29ABC	DOWN DIRECTING FROM D1	MEDIUM SPEED TO P8 OR P9 LOW SPEED TO P8 OR P9
31ABC	DOWN DIRECTING FROM C1	MEDIUM SPEED TO P4, P5, P6, P7 OR P8 LOW SPEED TO P4, P5, P6, P7 OR P8
33ABC	DOWN DIRECTING FROM B1	MEDIUM SPEED TO P2, P3, P4 OR P5 LOW SPEED TO P2, P3, P4 OR P5
35ABC	DOWN DIRECTING FROM A1	MEDIUM SPEED TO P1, P2 OR P3 LOW SPEED TO P1, P2 OR P3
37	SHUNT FROM P9	LOW SPEED TO P9A
39	SHUNT FROM P8	LOW SPEED TO P8A OR P9A
101ABC	DOWN OUTER HOME FROM D5	NORMAL SPEED TO D4 LOW SPEED TO D4
103ABC	DOWN OUTER HOME FROM C5	NORMAL SPEED TO C4 LOW SPEED TO C4
105	SHUNT FROM B5	LOW SPEED TO E3, D3 OR E5B
107	SHUNT FROM A5	LOW SPEED TO E3, D3 OR E5B
109ABC	DOWN HOME FROM D4	NORMAL SPEED TO E3 MEDIUM SPEED TO D3 OR E5B LOW SPEED TO E3, D3 OR E5B
111ABC	DOWN HOME FROM C4	NORMAL SPEED TO D3 MEDIUM SPEED TO E3 OR E5B LOW SPEED TO D3, E5B OR E3
113	SHUNT FROM E6	LOW SPEED TO E5B
115	DOWN DIRECTING FROM E5B	LOW SPEED TO E4, H1, J4, K2 OR T1
117ABC	DOWN DIRECTING FROM E3	NORMAL SPEED TO E2 LOW SPEED TO E2
119ABC	DOWN DIRECTING FROM D3	NORMAL SPEED TO D2 LOW SPEED TO D2
125	SHUNT FROM R2	LOW SPEED TO A1, B1, C1, D1 OR R1
127	SHUNT FROM V2	LOW SPEED TO A1, B1, C1, D1 OR R1
129	SHUNT FROM S2/S3/S4	LOW SPEED TO A1, B1, C1, D1 OR R1
131	SHUNT FROM S1	LOW SPEED TO A1, B1, C1, D1 OR R1
133	SHUNT FROM W1	LOW SPEED TO A1, B1, C1, D1 OR R1
135	SHUNT FROM R3	LOW SPEED TO R2
137	SHUNT FROM V3	LOW SPEED TO V2
139	SHUNT FROM W2	LOW SPEED TO W1

# WELLINGTON (WLG)

## SIGNALLING & INTERLOCKING ARRANGEMENTS

### DESCRIPTION OF ROUTE INDICATORS

#### UP SIGNALS

SIGNAL	DISPLAY	ROUTE SET TO	SIGNAL	DISPLAY	ROUTE SET TO	
4	A	22 SIGNAL	30	D	DOWN MAIN	
	B	24 SIGNAL		F1	44 SIGNAL	
6	A	22 SIGNAL	32	G1	MARSHALLING YARD	
	B	24 SIGNAL		G2	DEPOT REPAIR	
8	B	24 SIGNAL	34	V1	34 SIGNAL	
	C	26 SIGNAL		R2	NORTH CAR YARD	
10	B	24 SIGNAL	34	W1	CLEANING SHELTER	
	C	26 SIGNAL		V2	EMU WASH (V2)	
16	C	26 SIGNAL	102	S1	WEST SIDING 1 ROAD (S1)	
	D	28 SIGNAL		SX	WEST SIDING 2/3/4 ROAD (S2/S3/S4)	
	E	30 SIGNAL		H	HUTT	
18	D	28 SIGNAL	108	T	TAWA	
	E	30 SIGNAL		H	HUTT	
22	J	JOHNSONVILLE LINE	110	T	TAWA	
	V1	34 SIGNAL		H	HUTT	
	R2	NORTH CAR YARD	112	T	TAWA	
	W1	CLEANING SHELTER		H	HUTT	
24	D	DOWN MAIN	114	T	TAWA	
	F1	44 SIGNAL		H	HUTT	
	G1	MARSHALLING YARD	130	T	TAWA	
	G2	DEPOT REPAIR		H	HUTT	
	J	JOHNSONVILLE LINE	130	T	TAWA	
	M	MIDDLE MAIN		H	HUTT	
	V1	34 SIGNAL	130	T	TAWA	
	R2	NORTH CAR YARD		H	HUTT	
	U	UP MAIN	130	T	TAWA	
	W1	CLEANING SHELTER		H	HUTT	
	26	D	DOWN MAIN	130	T	TAWA
		F1	44 SIGNAL		H	HUTT
		G1	MARSHALLING YARD	130	T	TAWA
G2		DEPOT REPAIR	H		HUTT	
J		JOHNSONVILLE LINE	130	T	TAWA	
M		MIDDLE MAIN		H	HUTT	
V1		34 SIGNAL	130	T	TAWA	
R2		NORTH CAR YARD		H	HUTT	
U		UP MAIN	130	T	TAWA	
W1		CLEANING SHELTER		H	HUTT	
28	D	DOWN MAIN	130	T	TAWA	
	F1	44 SIGNAL		H	HUTT	
	G1	MARSHALLING YARD	130	T	TAWA	
	G2	DEPOT REPAIR		H	HUTT	
	J	JOHNSONVILLE LINE	130	T	TAWA	
	M	MIDDLE MAIN		H	HUTT	
	V1	34 SIGNAL	130	T	TAWA	
	R2	NORTH CAR YARD		H	HUTT	
	U	UP MAIN	130	T	TAWA	
W1	CLEANING SHELTER	H		HUTT		

#### DOWN SIGNALS

SIGNAL	DISPLAY	ROUTE SET TO	SIGNAL	DISPLAY	ROUTE SET TO
1	B	33 SIGNAL	109	D	DOWN MAIN
	C	31 SIGNAL		F	FREIGHT YARD
	D	29 SIGNAL		M	MIDDLE MAIN
3	E	27 SIGNAL	111	D	DOWN MAIN
	B	33 SIGNAL		F	FREIGHT YARD
	C	31 SIGNAL		M	MIDDLE MAIN
7	D	29 SIGNAL	125	A	35 SIGNAL
	A	35 SIGNAL		B	33 SIGNAL
	B	33 SIGNAL		C	31 SIGNAL
15	C	31 SIGNAL	127	D	29 SIGNAL
	D	29 SIGNAL		S	M.U. SIDING
	B	33 SIGNAL		A	35 SIGNAL
17	C	31 SIGNAL	129	B	33 SIGNAL
	D	29 SIGNAL		C	31 SIGNAL
	E	27 SIGNAL		D	29 SIGNAL
	B	33 SIGNAL		S	M.U. SIDING
19	C	31 SIGNAL	131	A	35 SIGNAL
	D	29 SIGNAL		B	33 SIGNAL
	E	27 SIGNAL		C	31 SIGNAL
	B	33 SIGNAL		D	29 SIGNAL
27	C	31 SIGNAL	133	S	M.U. SIDING
	D	29 SIGNAL		A	35 SIGNAL
	E	27 SIGNAL		B	33 SIGNAL
	B	33 SIGNAL		C	31 SIGNAL
29	C	31 SIGNAL	133	D	29 SIGNAL
	D	29 SIGNAL		S	M.U. SIDING
	E	27 SIGNAL		A	35 SIGNAL
	B	33 SIGNAL		B	33 SIGNAL
31	C	31 SIGNAL	133	C	31 SIGNAL
	D	29 SIGNAL		D	29 SIGNAL
	E	27 SIGNAL		S	M.U. SIDING
	B	33 SIGNAL		A	35 SIGNAL
33	C	31 SIGNAL	133	B	33 SIGNAL
	D	29 SIGNAL		C	31 SIGNAL
	E	27 SIGNAL		D	29 SIGNAL
	B	33 SIGNAL		S	M.U. SIDING
35	C	31 SIGNAL	133	A	35 SIGNAL
	D	29 SIGNAL		B	33 SIGNAL
	E	27 SIGNAL		C	31 SIGNAL
	B	33 SIGNAL		D	29 SIGNAL
101	C	31 SIGNAL	133	S	M.U. SIDING
	D	29 SIGNAL		A	35 SIGNAL
	E	27 SIGNAL		B	33 SIGNAL
	B	33 SIGNAL		C	31 SIGNAL
103	C	31 SIGNAL	133	D	29 SIGNAL
	D	29 SIGNAL		S	M.U. SIDING
	E	27 SIGNAL		A	35 SIGNAL
	B	33 SIGNAL		B	33 SIGNAL