

Route Access Condition Notice

20-0008

Distributed To:	ARTC Website
Distribution Date:	10/09/2020
Requested By:	ARTC
Subject:	The removal of section page I5 to be replaced with commissioned works for Inland Rail DIRN section page D12 Goobang Junction(Parkes) to Narromine
Effective Period:	Until Published
Amendment Type:	Permanent (to be added to RAS)

Note: Permanent Route Access Condition Notices (RACN) are periodically updated in the ARTC Route Access Standard (RAS), at which time the relevant RACN is withdrawn.

<u>RAS Reference:</u>					
Section:	Section Page I5 + General Information	Version No.:	2.0	Page/s:	All
<u>ARTC Network Location:</u>					
Goobang Junction (Parkes) to Narromine					

Details of Request:

This RACN details the changes associated with the to be newly commissioned corridor for Inland Rail Parkes to Narromine. Details of these changes are as follows:

Infrastructure limits - 449.200km to 547.550km

Safeworking System - Train Order Working - PTOS

Speed Axle Load Framework - as per General Information Section 2.2 Train Speeds and Axle Load Limits (Wagons)

Max. Speed - 115km / hour with 80km / hour loops and 25 km / hour or less for sidings

Ruling Grade - as per General Information Section 2.7 Ruling Grade

Permanent Speed at Level Crossings - 115 km / hour or 80 km / hour where LX located in Goonumbla Loop

X Boards T/O Speeds - summary provided below as per the Drivers Diagrams:

CA Pts North Parkes Mine and Grain Siding 465.317km 25km/hr

BB Pts North Parkes Mine and Grain Siding 466.325km 25km/hr

A Pts Nanardine loop 458.320km 80km/hr

B Pts Nanardine loop 460.611km 80km/hr

A Pts Peak Hill South Siding 494.400km 80km/hr

C Pts Peak Hill South Siding 496.654km 80km/hr

BA Pts Peak Hill Loop 497.247km 80km/hr

FB Pts Peak Hill Loop 498.593km 80km/hr

Frame B Pts Wyanga Silo Siding 529.243km 25km/hr

A Pts Timjelly Loop 532.199km 80km/hr

B Pts Timjelly Loop 534.511km 80km/hr
A Pts North West Link 451.350km 25km/hr
BB Pts North West Link 449.438km 25km/hr
Frame B Pts Mickibri Maintenance Siding 482.026km 25km/hr
Frame D Pts Alectown West Maintenance Siding 472.823km 25km/hr

Rollingstock Outline (including length, size, and weight/tonnage) - as per
General Information. Section 2.5 Infrastructure Limits

KM locations for Permanent Speeds - summary provided below as per the
Drivers Diagrams:
115km/hr at 451.208km
115km/hr at 494.400km
115km/hr 469.664km

Curve Data - as per General Information Section 2.12 and NSW Curve
and Gradient Diagrams: Section 3 - West Corridor W33 - Parkes to
Narromine

Sidings and Turnout Diagrams - summary provided below as per Drivers
Diagram:
Peak Hill South Siding 494.400km to 496.654km
Peak Hill Loop 497.247km to 498.593km
Timjelly Loop 532.199km to 534.511km
Nanardine Loop 458.320km to 460.611km
Goobang Junction, Goonumbla North Parkes Mine and Grain Siding
465.317km to 466.325km
Wyanga Silo Siding 529.243km
Alectown West Maintenance Siding 472.823km
Mickibri Maintenance Siding 482.026km
North West Link 451.350km and 449.438km

Train Wheel Rail Interface (P2 force limits) - as per General Information
Section 2.5 Infrastructure Limits Table 2.5.1 - Allowable P2 Force Limits

Responsibility Interfaces - Nil

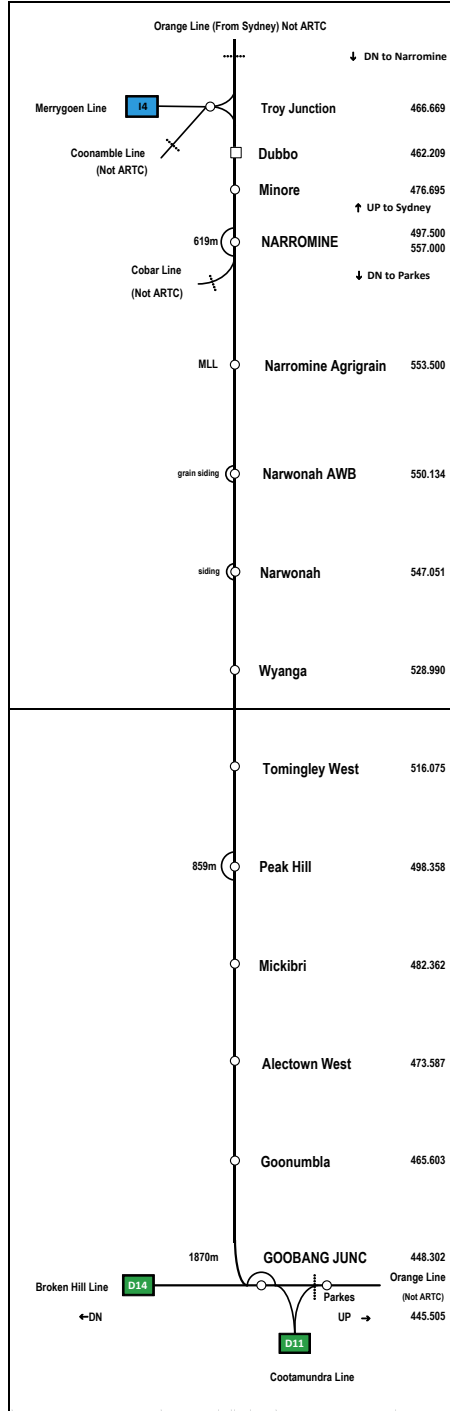
New Track Connections - summary provided below as per Drivers
Diagrams:
Nanardine Loop 458.320km to 460.611km
Peak Hill Crossing Loop 497.247km to 498.593km
Timjelly Loop 532.199km to 534.511km
North West Link 451.350km and 449.438km

Coopers M rating - M210, as per General Information Section 2.5 - no
change

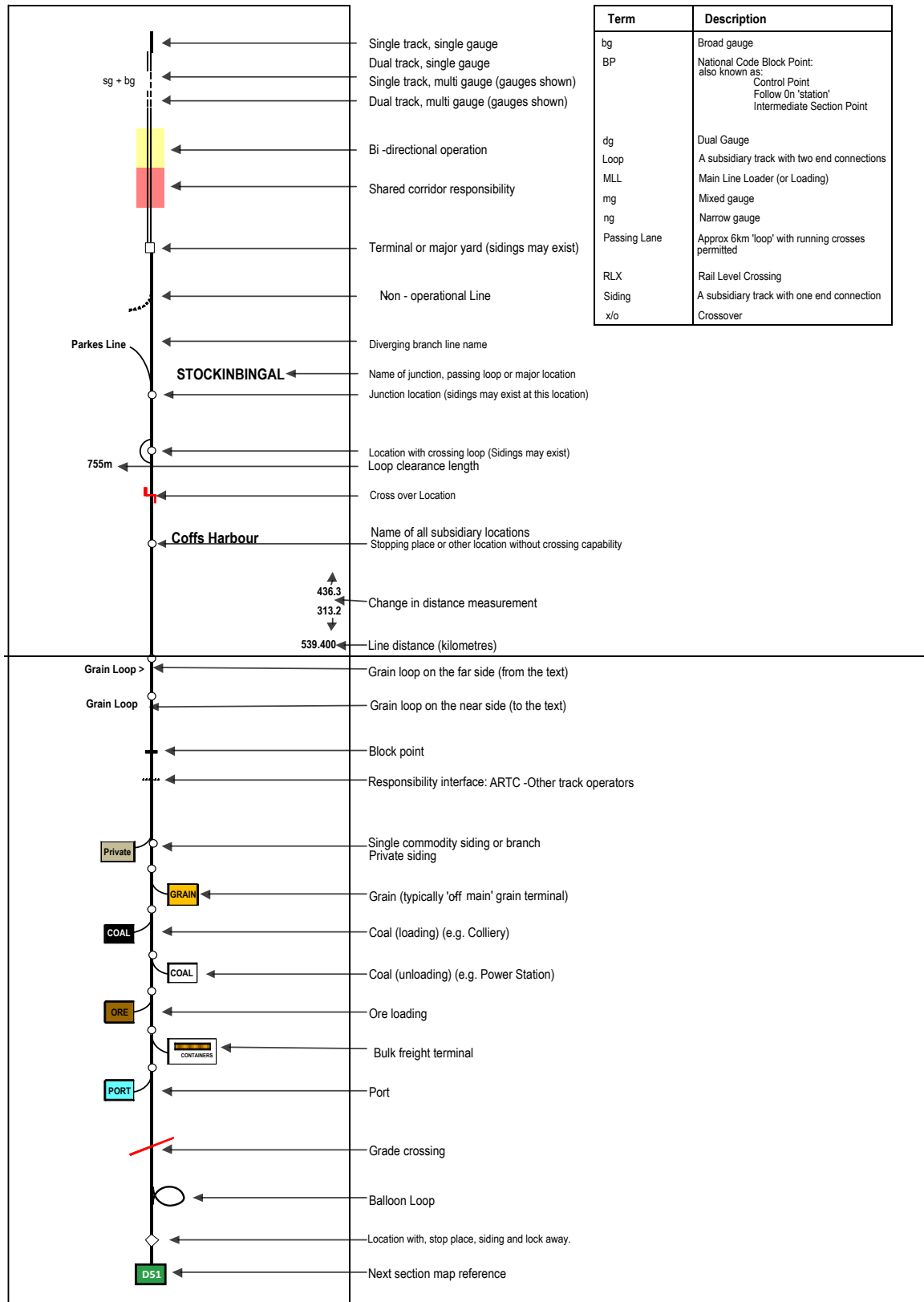
Section Page Existing to be Removed

~~1. Dubbo to Goobang Junction~~

NB: These line maps are indicative only and should be reviewed in conjunction with the legend on page 3. For more detailed map information refer to the ARTC website.



2. Legend



3. Route Capacity

DUBBO – GOOBANG JUNCTION			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	100	19	19.5
	80	22.3	19.5
	70	22.3	20.25
	60	22.8	20.25
PASSENGER			
XPT	N/A	N/A	
XPLORER	N/A	N/A	
DIESEL HAUL	100	19	

Note: Route capacity applies where vehicle characteristics and conditions permit.

NARROMINE – NEVERTIRE 447.521 to 449.200 (Cobar Branch Line CRN)			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT	100	19	19
	80	22	
	70		20 (restriction on wagon class)
PASSENGER			
XPT	100	N/A	
XPLORER	100	N/A	
DIESEL HAUL	100	19	

Note: Route capacity applies where vehicle characteristics and conditions permit.

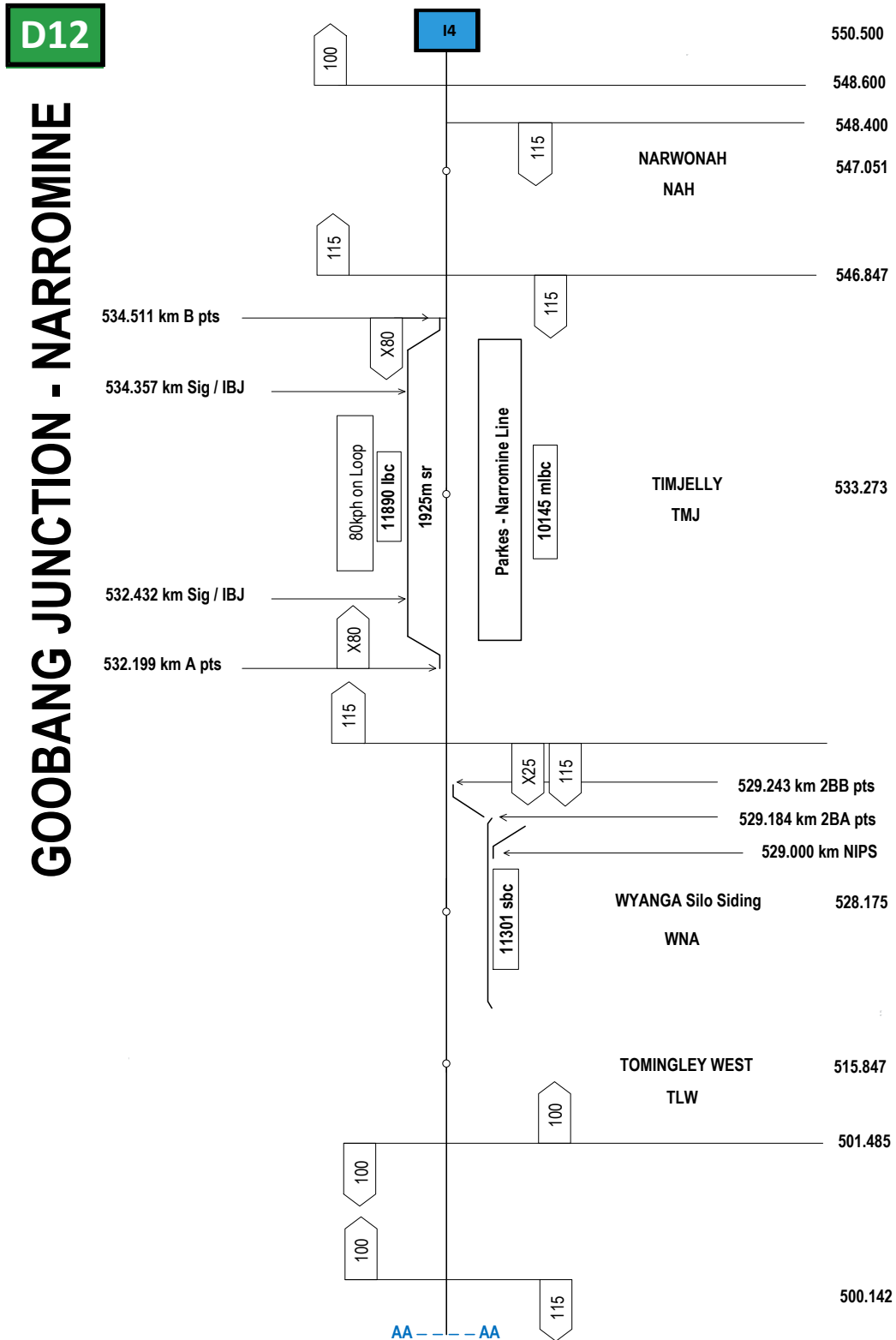
4. Location of Speed Signs

DUBBO – NARROMINE					
LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
ORANGE	461.700			50	55
	462.000	80	70		
DUBBO	462.209				
	462.690	70			
	462.725	15	-	70	-
	463.340	-	-	15	-
	463.370	100	-	-	-
	471.200	-	-	100	-
	471.490	95	-	-	-
	471.800	-	-	95	-
	472.100	100	-	-	-
MINORE	476.695				
(MANILDRA ST CROSSING @ 496.784)	495.987				115
NARROMINE	497.554				
	497.800	100	-	-	-
NARROMINE – GOOBANG JUNCTION					
LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
	556.999				
	556.600			55	-
	555.900	55	-		-
	555.770			90	-
	554.000	90			
	553.250			75	
	552.510			100	-
	550.482	75			
NARWONAH AWB	550.134				
NARWONAH	546.847				

NARROMINE – GOOBANG JUNCTION					
LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	XPT	NORMAL	XPT
WYANGA	528.990				
TOMINGLEY WEST	516.075				
	501.530	100		90	
	500.160	90	-	100	-
PEAK HILL	498.358				
	499.160	100	-	-	-
	497.550	60	-	-	-
MICKIBRI	482.374				
ALECTOWN WEST	473.587				
GOONUMBLA	465.603				
	449.830	100	-	-	-
	449.280	75	-	-	-
	448.850		-	X25	-
	448.320	-	-	70	-
GOOBANG JUNCTION	448.302				
PARKES	445.505				

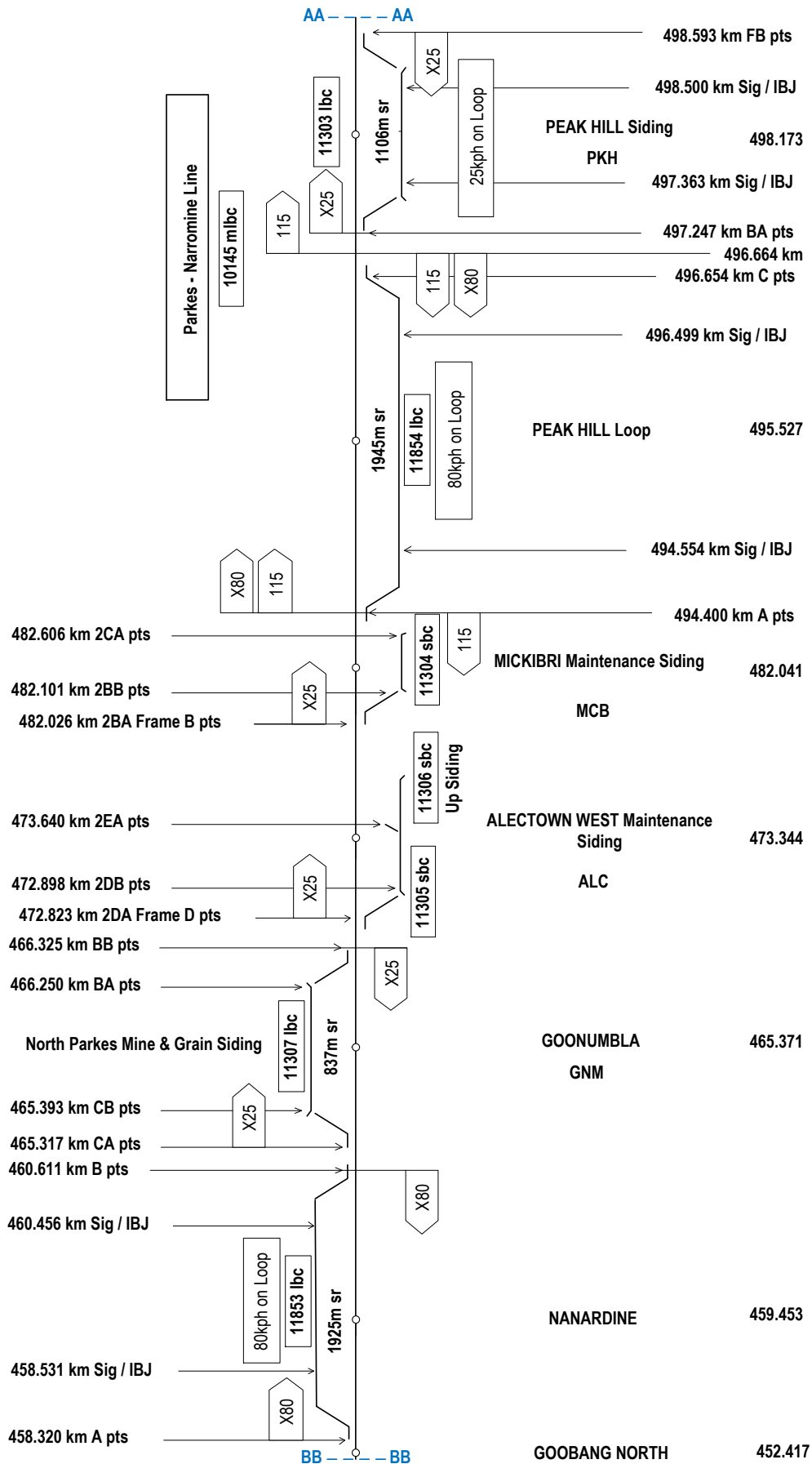
New Section Page to be Added

1. Network Diagram



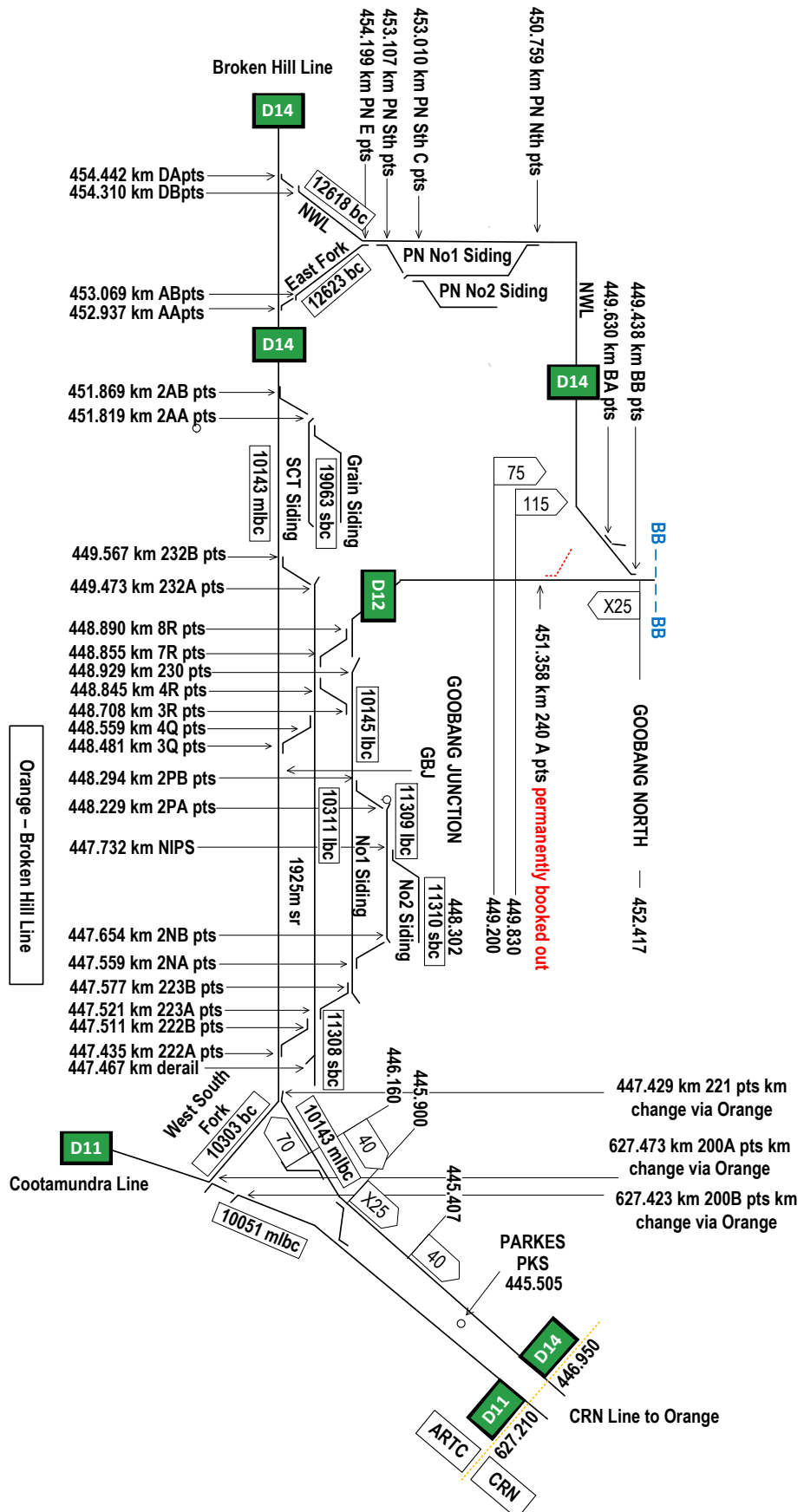
D12

GOOBANG JUNCTION - NARROMINE



D12

GOOBANG JUNCTION - NARROMINE



2. Route Capacity

NARROMINE – GOOBANG JUNCTION			
TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
FREIGHT			
	115	22.3	21
	100	22.8	23
	80	22.8	25
PASSENGER			
		LOCOS	CARRIAGE
XPT	145	N/A	N/A
XPLORER	145	N/A	N/A
DIESEL HAUL	115	22.3	19

Note: Route capacity applies where vehicle characteristics and conditions permit.

3 Permanent Speed Restrictions

NARROMINE – GOOBANG JUNCTION					
LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	PASSENGER	NORMAL	PASSENGER
	550.500				
	548.800	100	100		
	548.600			115	115
NARWONAH	547.051				
NARWONAH	546.847	115	115	115	115
TIMJELLY Loop	534.511			X80 80 OL	X80 80 OL
TIMJELLY Loop	533.273				
TIMJELLY Loop	532.199	X80 80 OL	X80 80 OL		
WYANGA Silo Siding	529.253			X25	X25
WYANGA	528.175				
TOMINGLEY WEST	515.847				
	501.485	100	100	100	100
	500.142	100	100	115	115
PEAK HILL Siding	498.593			X25 25 OL	X25 25 OL
PEAK HILL Siding	498.173				
PEAK HILL Siding	497.247	X25 25 OL	X25 25 OL		
PEAK HILL Loop	496.664	115	115	115 X80	115 X80
PEAK HILL Loop	495.527				
PEAK HILL Loop	494.400	115 X80	115 X80	115	115
MICKIBRI	482.041				
MICKIBRI Maintenance Siding	482.026	X25	X25		
ALECTOWN WEST	473.344				
ALECTOWN WEST Maintenance Siding	472.823	X25	X25		
North Parkes Mine & Grain Siding	466.325			X25	X25
GOONUMBLA	465.371				

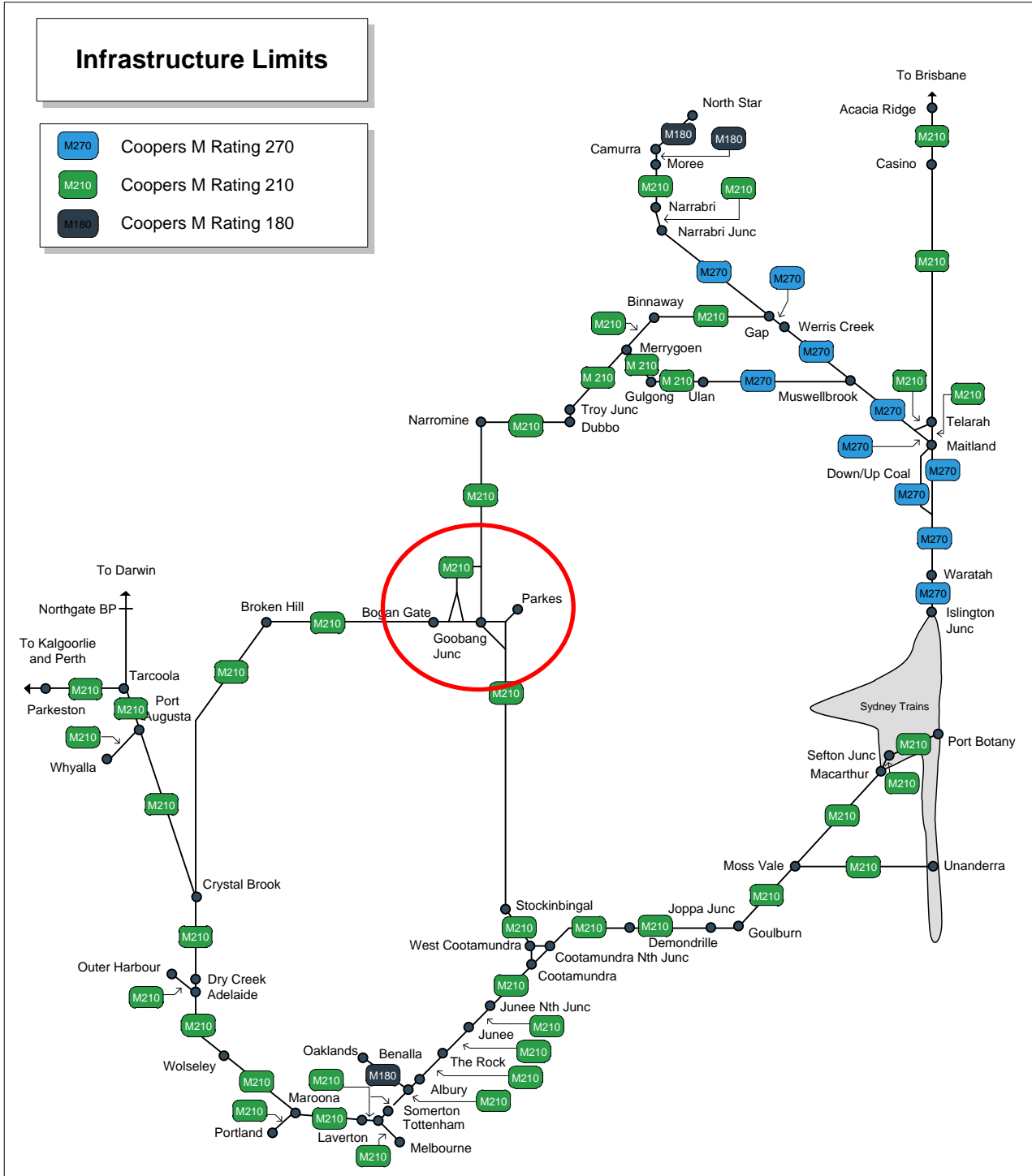
NARROMINE – GOOBANG JUNCTION					
LOCATION	KILOMETRAGE	DOWN		UP	
		NORMAL	PASSENGER	NORMAL	PASSENGER
North Parkes Mine & Grain Siding	465.317	X25	X25		
NANARDINE Loop	460.611			X80 80 OL	X80 80 OL
NARARDINE Loop	459.453				
NANARDINE Loop	458.320	X80 80 OL	X80 80 OL		
GOOBANG NORTH	452.417			X25	X25
NWL	451.350			X25	X25
	449.830	115	115		
	449.200	75	75		
GOOBANG JUNCTION	448.302				
PARKES	445.505				

Changes to General Information

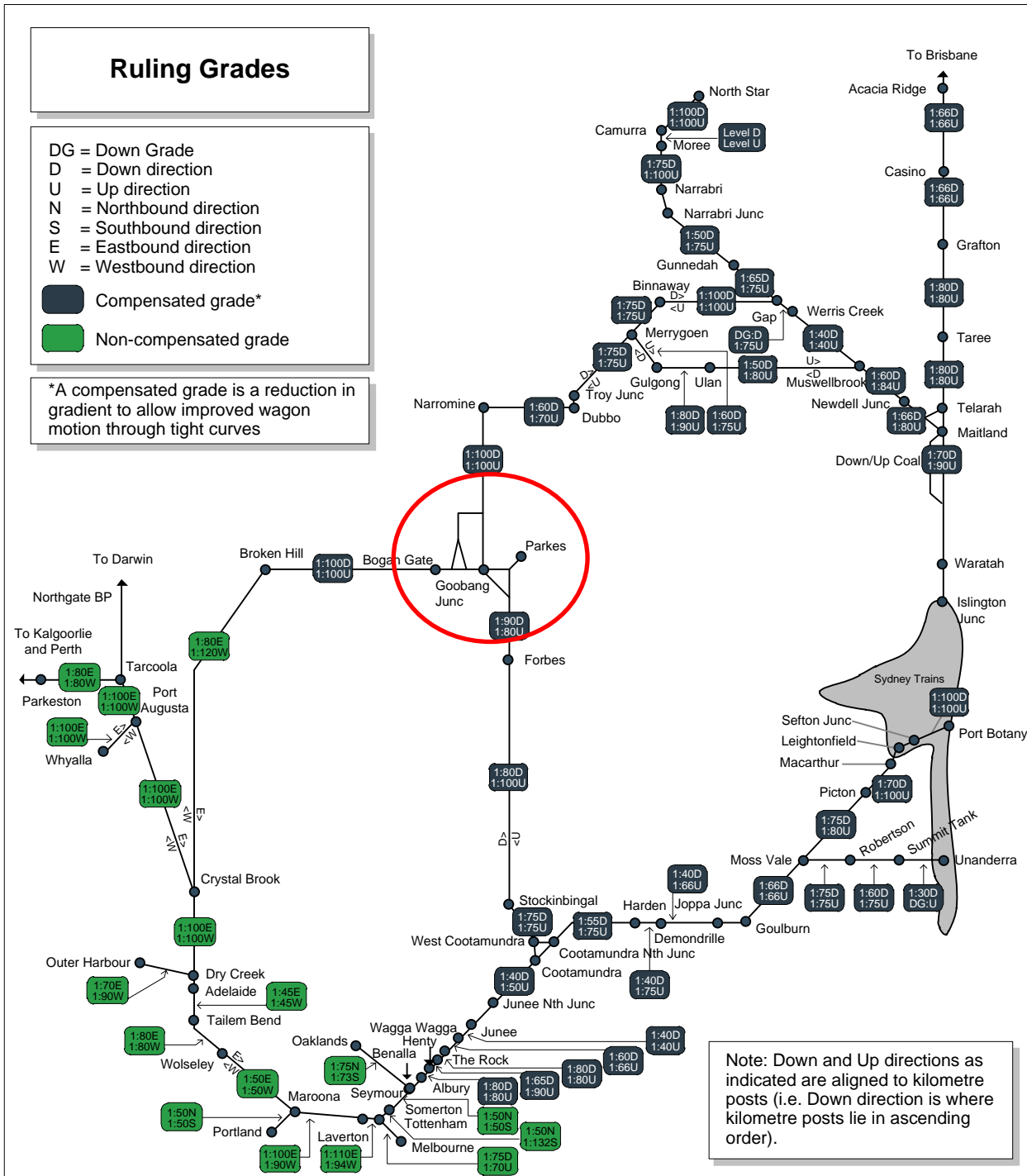
Table 2.3.1 ARTC Infrastructure Train Length Limits

AREA	TRAIN LENGTH (M)
DEFINED INTERSTATE RAIL NETWORK	
ACACIA RIDGE – ISLINGTON JUNCTION	1500
PORT BOTANY – MELBOURNE	1800 ²
MELBOURNE - ADELAIDE	1500 / 1800 ¹
GOOBANG JUNC - COOTAMUNDRA	1800
GOOBANG JUNC – BROKEN HILL	1800
GOOBANG JUNC - NARROMINE	1800
BROKEN HILL – ADELAIDE	1800
MOSS VALE - UNANDERRA	1500
ADELAIDE – PARKESTON	1800
INTRASTATE NETWORK	
AS SPECIFIED IN ACCESS AGREEMENTS	
HUNTER VALLEY NETWORK	
AS SPECIFIED IN ACCESS AGREEMENTS	

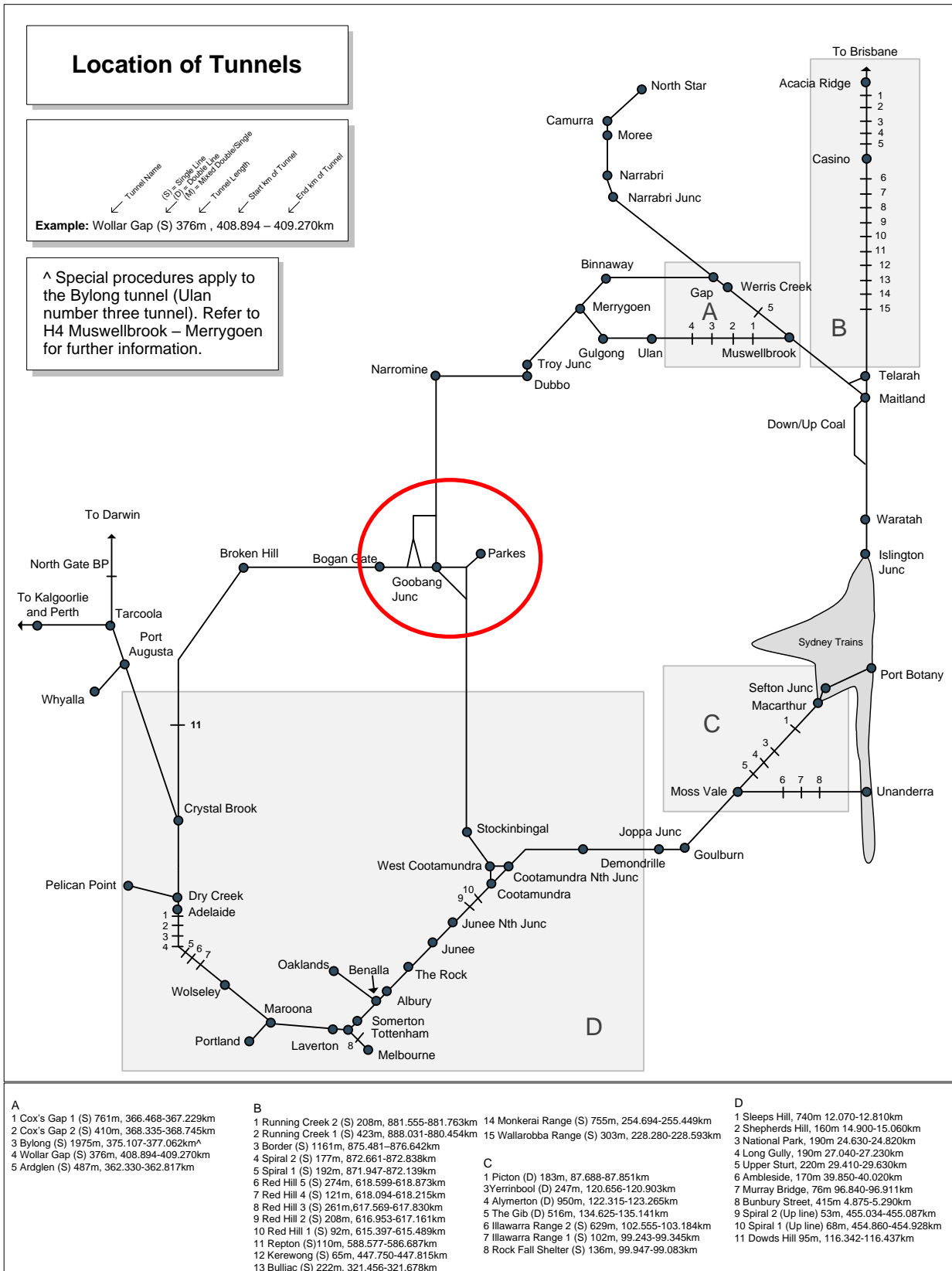
Inland Rail North West Link & Parkes to Narromine added to Coopers M rating Diagram



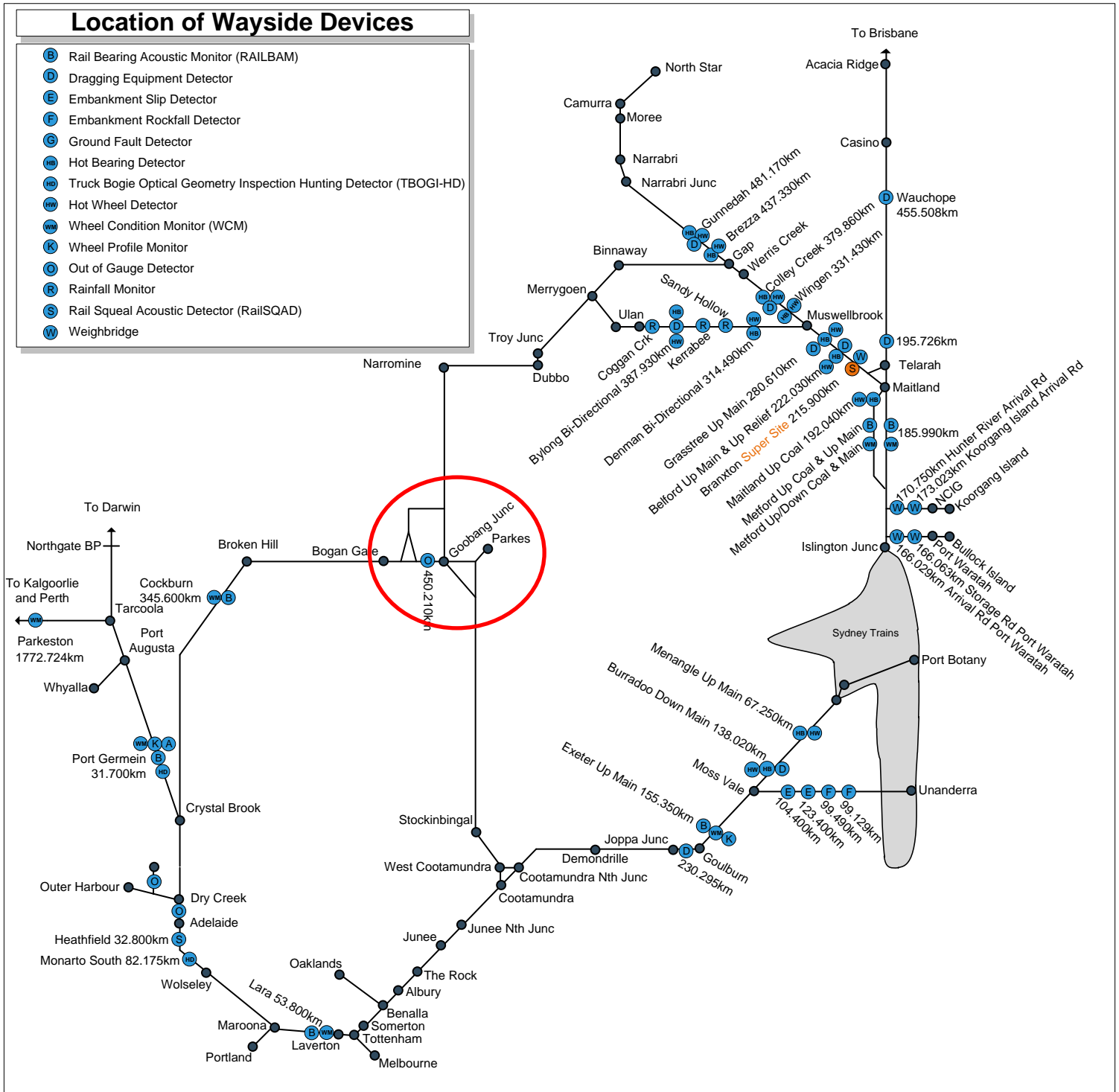
Inland Rail North West Link & Parkes to Narromine added to Ruling Grade Diagram



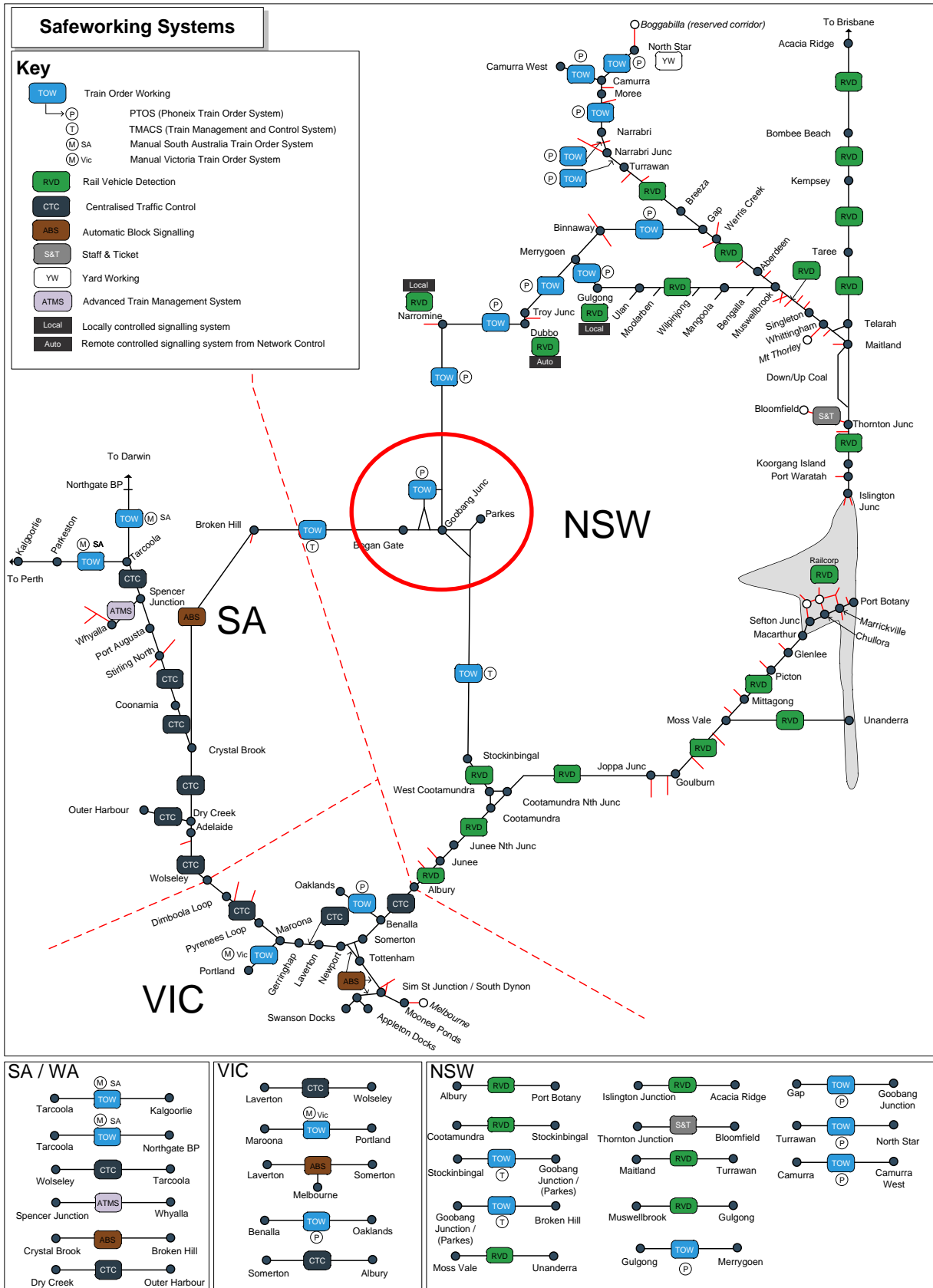
Inland Rail North West Link & Parkes to Narromine added to Tunnels Diagram



Inland Rail North West Link & Parkes to Narromine added to Wayside Diagram



Inland Rail North West Link & Parkes to Narromine added to Safeworking Systems Diagram



D12 Goobang Junction to Narromine added to Rolling Stock Outline Table

INTERSTATE ROUTE		ROLLING STOCK OUTLINE															
		ROAA	ROAB	ROAC	ROAD	ARTCE ¹	ARTCF ¹	ARTCF ²	ARTCH	ARTCY 4150	ARTCZ	NSW NNE	NSWNC	NSWNS	NSWIS	NSWNH	NSWDS
D5-7	AFT ISLINGTON – CRYSTAL BROOK – PARKESTON (END OF ARTC TRACK)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D4	DRY CREEK – OUTER HARBOUR	✓	✓	✓	✓	*	*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D21	WHYALLA LINE	✓	✓	✓	✓	✓	*	*	✓	✓	✓	✓	✓	✓	✓	✓	✓
D15	CRYSTAL BROOK – BROKEN HILL	✓	✓	✓	✓	*	*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D12	NARROMINE – GOOBANG JUNC	✓	✓	✓	✓	*	*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D14	BROKEN HILL – GOOBANG JUNC	✓	✓	✓	✓	*	*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D1-3	AFT ISLINGTON – TOTTENHAM JUNCTION – DYNON	✓	✓	✓	✓	*	*	*	*	✓	✓	✓	✓	✓	✓	✓	*
D53	MELBOURNE (TOTTENHAM) – WODONGA – RIVER MURRAY BRIDGE – ALBURY	✓	✓	✓	✓	*	*	*	*	✓	*	✓	✓	✓	✓	✓	*
D51	ALBURY – MACARTHUR	✓	✓	✓	✓	*	*	*	*	*	*	✓	✓	✓	✓	✓	*
D33	MAITLAND – ACACIA RIDGE (NSWNTH COAST)	✓	✓	✓	✓	*	*	*	*	*	*	✓	✓	✓	✓	✓	*
D11	COOTAMUNDRA – GOOBANG JUNC	✓	✓	✓	✓	*	*	*	*	*	*	✓	✓	✓	✓	✓	*
D52	MOSS VALE – UNANDERRA	✓	*	*	*	*	*	*	*	*	*	✓	*	✓	*	✓	*
D45	PORT BOTANY – MACARTHUR	✓	✓	✓	✓	*	*	*	*	*	*	✓	✓	✓	✓	✓	*
		PLATEV1	PLATEV2	PLATEV3	PLATEV4					PLATEV7	PLATEV8	PLATE V21	PLATE V23	PLATE V24	PLATE V25	PLATE V26	PLATEV9
		RIS SB ROLLING STOCK OUTLINE															

✓	Allowed
*	Not Allowed

Inland Rail North West Link & Parkes to Narromine added to Rolling Stock Outline Diagram

Rolling Stock Outlines

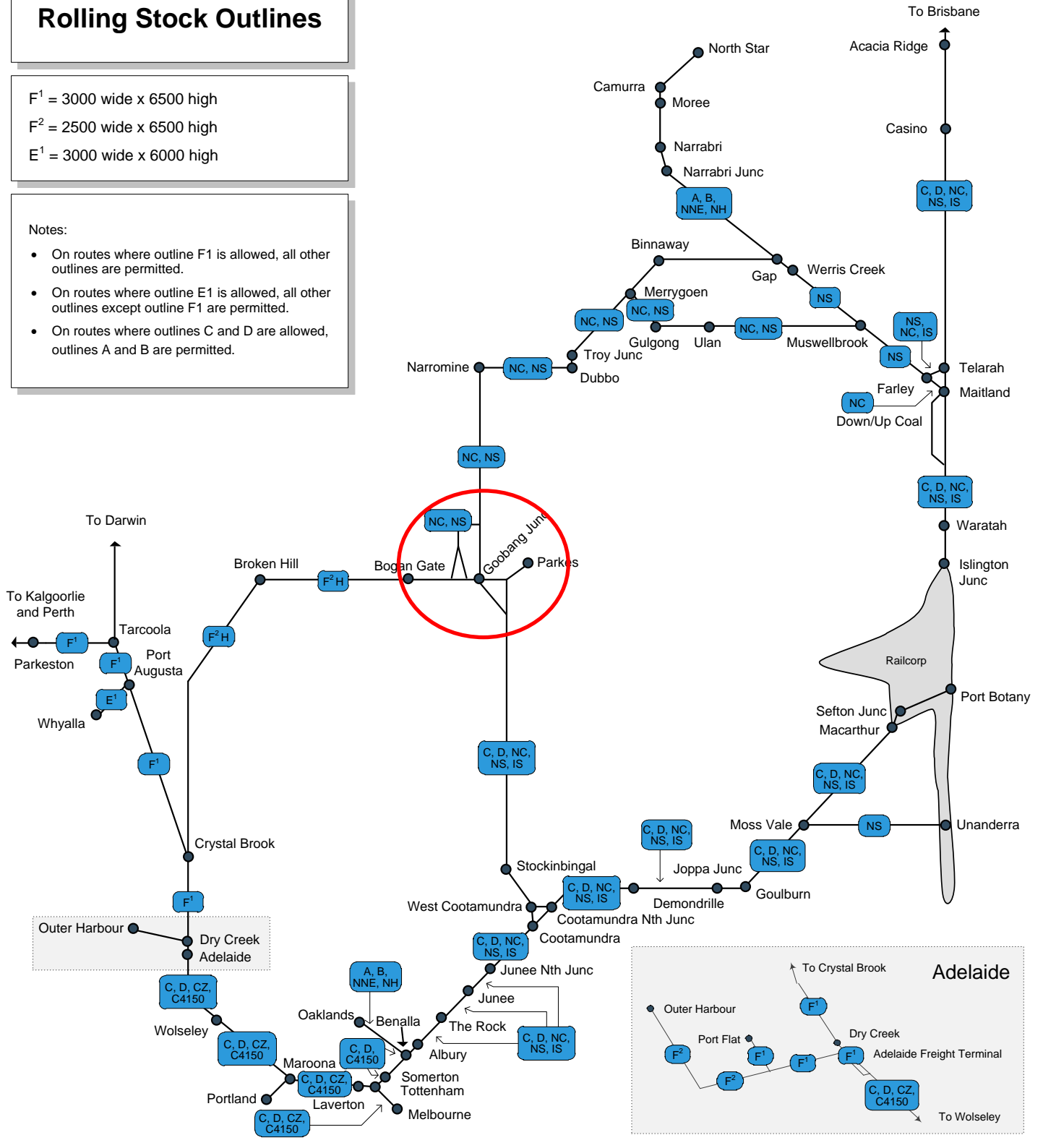
F¹ = 3000 wide x 6500 high

F² = 2500 wide x 6500 high

E¹ = 3000 wide x 6000 high

Notes:

- On routes where outline F1 is allowed, all other outlines are permitted.
- On routes where outline E1 is allowed, all other outlines except outline F1 are permitted.
- On routes where outlines C and D are allowed, outlines A and B are permitted.

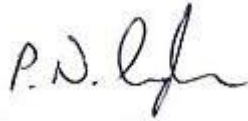


Change Type: {Significant} GM Technical Standards, Regulator & OSERC Notification

Reviewed By: *Carolyn Southern*

Operations Standards Manager - Australian Rail Track Corporation

Approved By:



Phillip Campbell OAM

General Manager Technical Standards - Australian Rail Track Corporation

Issued By: *Richard Potts*

Manager Procedures Development - Australian Rail Track Corporation

NAN: 3061