

TECHNICAL REPORT 03

Updated flooding and hydrology assessment

Appendix A Structures and blockage factors

NARROMINE TO NARRABRI PROJECT



Table Structure Details												
Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type	Box Culvert			Bridge				Adopted Debris Blockage	
			Bridge or Culvert (B / C)	No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
547.3			C	15	600	2400					15	15
547.42			C	15	600	2400					15	15
547.68			C	15	900	2400					15	15
547.87			C	15	1200	2400					15	15
548.05			C	15	1200	2400					15	15
548.21			C	15	1200	2400					15	15
548.36			C	6	600	2400					15	15
548.39			C	15	900	2400					15	15
548.72			C	2	900	2400					15	15
549.02			C	4	900	2400					15	15
550.09			C	12	600	2400					15	15
550.22			C	8	900	2400					15	15
550.63			C	8	1200	2400					15	15
551.03			C	2	600	2400					15	15
551.45			C	12	600	2400					15	15
551.81			C	12	600	2400					15	15
552.38			C	18	600	2400					15	15
552.49			C	4	600	2400					15	15
552.55			C	8	600	2400					15	15
552.56			C	12	600	2400					15	15
552.66			C	12	600	2400					15	15
552.76			C	12	600	2400					15	15
552.82			C	6	600	2400					15	15
552.88			C	6	600	2400					15	15
552.93			C	12	600	2400					15	15
552.98			C	8	600	2400					15	15
553.06			C	8	600	2400					15	15
553.12			C	8	600	2400					15	15
553.2			C	23	900	2400					15	15
553.26			C	15	600	2400					15	15
553.31			C	15	600	2400					15	15
553.42			C	38	600	2400					15	15
553.52			C	30	900	2400					15	15
553.71			C	28	600	2400					15	15
553.81			C	4	600	2400					15	15
553.99	Wallaby Creek	35	C	18	1500	2400					25	25
554.1			C	22	600	2400					25	25
554.21			C	26	900	2400					25	25
554.32			C	26	600	2400					25	25
554.56			C	12	600	2400					25	25
554.81			C	16	600	2400					25	25
555.12			C	12	600	2400					25	25
555.91			C	20	600	2400					25	25
556.18			C	78	600	2400					25	25
556.6			C	12	600	2400					15	15
556.73			C	26	600	2400					15	15
557.01			C	16	900	2400					15	15
557.23			C	26	600	2400					15	15
557.4			C	26	900	2400					25	25
557.63			C	16	600	2400					25	25
557.8			C	10	600	2400					25	25
558.01			C	10	600	2400					25	25
558.22			C	2	600	2400					25	25
558.54			C	6	1200	2400					25	25
558.6			C	12	1200	2400					25	25
558.7			C	12	1200	2400					25	25
558.77			C	12	1200	2400					25	25
558.81			C	8	1200	2400					25	25
558.9			C	12	1500	2400					25	25
559.09			C	18	1200	2400					25	25
559.17			C	18	1200	2400					25	25
559.32			C	3	600	2400					25	25
559.43			C	10	900	2400					25	25
559.54			C	6	900	2400					25	25
560.11			C	18	1200	2400					25	25
560.29			C	9	1200	2400					25	25
560.4			C	9	1200	2400					25	25

Table Structure Details												
Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type	Box Culvert			Bridge				Adopted Debris Blockage	
			Bridge or Culvert (B / C)	No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
560.87			B				19	14000			-	-
561.24			B				6	14000			-	-
561.47			B				3	14000			-	-
561.67			B				3	14000			-	-
561.84			B				1	33000	2	23000	-	-
562.34	Macquarie River	25900	B				2	33000	41	23000	-	-
564			C	2	1800	2400					25	25
565.59			B				2	14000			-	-
568.94			C								25	25
570.02			C	4	3000	2400					0	0
571.03			C	1	900	2400					0	0
571.98			C	1	1800	2400					0	0
572.83			C	4	2400	2400					0	0
573.5			C	2	600	2400					0	0
574.24			C	5	1200	2400					0	0
575.45			C	3	1500	2400					0	0
575.95			C	14	1800	2400					0	0
577.33			C	4	900	2400					0	0
577.98			C	4	1200	2400					0	0
578.07			C	2	1200	2400					0	0
579.23			C	6	1200	2400					0	0
580.35			C	8	900	2400					0	0
580.57			C	16	600	2400					0	0
580.74			C	4	600	2400					0	0
582.89			C	12	600	2400					0	0
583.34			C	4	600	2400					0	0
583.39			C	4	900	2400					0	0
583.65			C	4	600	2400					0	0
583.85			C	6	900	2400					0	0
584.03			C	12	1200	2400					0	0
586.24			C	12	600	2400					0	0
586.4			C	10	1200	2400					0	0
586.57			C	14	1200	2400					0	0
586.73			C	16	1200	2400					0	0
586.99			C	10	900	2400					0	0
587.9			C	6	600	2400					0	0
588.21			C	12	600	2400					0	0
590.04			C	12	600	2400					0	0
590.67			C	4	900	2400					0	0
595.24	Ewenmar Creek	130	B				14	23000			-	-
599.02			C	20	600	2400					0	0
599.15			C	30	900	2400					0	0
599.27	Goulburn Creek	24	C	30	600	2400					0	0
599.41			C	30	900	2400					0	0
599.6			C	20	1200	2400					0	0
602.66	Emogandry Creek	38	B				14	23000			-	-
604.9			C	28	1200	2400					0	0
605.04			C	28	900	2400					0	0
607.15	Native Dog Creek	15	B				6	14000			-	-
607.32			B				2	14000			-	-
608.93	Pint Pot Gully	5	B				8	14000			-	-
609.72	Kickabil Creek	60	B				11	2300			-	-
612.11			B				3	23000			-	-
616.68	Milpulling Creek	39	B				7	23000			-	-
618.45			B				5	14000			-	-
620.3			B				3	14000			-	-
623.15			B				13	14000			-	-
626.14			C	2	600	2400					0	0
627.33			C	6	1500	2400					0	0
628.05			C	6	600	2400					0	0
628.3			C	12	600	2400					0	0
629.54			C	4	1200	2400					0	0
630.4			C	8	900	2400					0	0
630.61			C	4	900	2400					0	0
630.74			C	8	900	2400					0	0
631.4			C	4	1800	2400					0	0
631.78			C	8	2400	2400					0	0

Table Structure Details												
Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type	Box Culvert			Bridge				Adopted Debris Blockage	
			Bridge or Culvert (B / C)	No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
633.68	Marthaguy Creek	413	B				50	23000			-	-
635.13			C	6	1500	2400					0	0
635.24			C	8	1800	2400					0	0
635.39			C	4	1500	2400					0	0
635.88			C	3	1500	2400					0	0
636.52			C	1	900	2400					0	0
636.82			C	1	900	2400					0	0
637.42			C	12	1500	2400					0	0
638.18			C	1	1200	2400					0	0
638.35			C	4	1500	2400					0	0
639.85			C	14	1200	2400					0	0
640.13			C	10	1200	2400					0	0
640.41			C	10	1200	2400					0	0
640.58			C	8	1200	2400					0	0
640.93			C	10	900	2400					0	0
641.1			C	10	900	2400					0	0
641.25			C	10	1200	2400					15	15
641.38			C	8	1500	2400					15	15
641.49			C	4	2100	2400					15	15
641.59			C	4	1800	2400					15	15
641.76			C	4	1500	2400					15	15
641.98			C	2	1500	2400					0	0
643			B				3	14000			-	-
643.1			C	3	1200	2400					15	15
643.17			C	1	1200	2400					15	15
643.86			C	6	1500	2400					15	15
644.16			C	1	600	2400					15	15
644.74			C	3	600	2400					15	15
645.11			C	4	600	2400					15	15
645.36			C	8	600	2400					0	0
645.52			C	6	900	2400					0	0
645.94			C	10	600	2400					0	0
646.13			C	12	900	2400					15	15
646.28			C	12	900	2400					0	0
646.42			C	14	900	2400					0	0
646.54			C	18	1200	2400					15	15
646.64			C	14	1200	2400					15	15
646.77			C	8	1200	2400					15	15
646.86			C	8	900	2400					0	0
646.89			C	10	900	2400					0	0
647.03			C	4	600	2400					0	0
647.54			C	10	600	2400					0	0
647.63			C	10	600	2400					0	0
647.97			C	8	600	2400					15	15
648.07			C	8	600	2400					15	15
648.1			C	8	600	2400					15	15
648.15			C	8	600	2400					15	15
648.2			C	8	600	2400					15	15
648.24			C	8	600	2400					15	15
648.36			C	8	600	2400					15	15
648.71			C	6	600	2400					0	0
649.35			C	6	1800	2400					15	15
649.47			C	6	1500	2400					0	0
649.62			C	6	1500	2400					15	15
649.75			C	6	1200	2400					15	15
649.86			C	6	1200	2400					0	0
650			C	6	600	2400					15	15
651.73	Castlereagh River	6629	B				26	23000			-	-
652.52			B				9	23000			-	-
655.55			C	12	2100	2400					0	0
656.56			C	8	900	2400					0	0
656.67			C	18	1200	2400					0	0
658.86			C	12	1500	2400					0	0
658.97			C	12	1500	2400					0	0
659.07	Judes Creek	20	C	12	1800	2400					0	0
660.42			C	4	1200	2400					0	0
660.85			C	14	2100	2400					0	0

Table Structure Details												
Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type	Box Culvert			Bridge				Adopted Debris Blockage	
			Bridge or Culvert (B / C)	No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
660.92			C	14	2400	2400					0	0
661			C	14	2400	2400					0	0
661.28			B				6	14000			-	-
664.93			C	20	900	2400					0	0
665.02			C	10	600	2400					0	0
665.63			C	8	600	2400					15	15
665.7			C	6	600	2400					15	15
665.91			C	4	600	2400					15	15
665.98			C	4	600	2400					15	15
666.61			C	10	900	2400					0	0
666.75			C	12	600	2400					0	0
666.93			C	12	600	2400					15	15
667.19			C	12	600	2400					15	15
667.45			C	6	600	2400					15	15
667.59			C	8	600	2400					0	0
667.77			C	8	600	2400					0	0
667.87			C	8	600	2400					0	0
667.99			C	8	600	2400					0	0
668.18			C	6	600	2400					0	0
668.51			C	10	600	2400					0	0
668.66			C	6	600	2400					0	0
669.5			C	16	900	2400					25	25
669.67			C	28	900	2400					0	0
669.9			C	6	600	2400					0	0
670.32			C	8	600	2400					25	25
671.9			C	18	600	2400					25	25
672.72			C	4	900	2400					0	0
673.08	Gulargambone Creek	333	B				18	23000			-	-
673.86			C	12	900	2400					0	0
674.03			C	12	2400	2400					0	0
674.43			C	8	600	2400					0	0
674.58			C	14	600	2400					0	0
674.78			C	14	600	2400					0	0
674.9			C	14	600	2400					25	25
675.03			C	14	600	2400					25	25
675.23			C	14	600	2400					25	25
675.43			C	18	600	2400					0	0
675.64			C	16	900	2400					25	25
675.96			C	12	1500	2400					0	0
676.09			C	8	1800	2400					0	0
676.19			C	10	1800	2400					0	0
676.33			C	12	1800	2400					0	0
676.46			C	8	2400	2400					0	0
677.42			C	2	1500	2400					0	0
677.78			C	8	1800	2400					0	0
678			C	12	1800	2400					0	0
678.83			C	2	600	2400					0	0
679.02			C	8	600	2400					0	0
679.13			C	6	600	2400					0	0
679.29			C	14	600	2400					0	0
679.31			C	4	600	2400					0	0
679.44			C	6	600	2400					0	0
679.45			C	6	600	2400					0	0
679.74			C	1	600	2400					0	0
680.14			C	14	1500	2400					0	0
680.15			C	30	1200	2400					0	0
680.28			C	14	1500	2400					0	0
680.29			C	24	1200	2400					0	0
680.4			C	10	1200	2400					0	0
680.42			C	20	1200	2400					0	0
680.84			C	8	2100	2400					0	0
680.85			C	16	2100	2400					0	0
681.12			C	6	1800	2400					0	0
681.3			C	6	1800	2400					0	0
681.4			B				10	14000			-	-
681.77			C	24	2700	2400					0	0
681.98			C	28	2700	2400					0	0

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Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type	Box Culvert			Bridge				Adopted Debris Blockage	
			Bridge or Culvert (B / C)	No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
682.09			C	24	2400	2400					0	0
682.24			B				8	14000			-	-
682.49			C	24	2700	2400					0	0
682.6	Baronne Creek	433	B				7	14000			-	-
682.92			C	12	600	2400					0	0
683.57			C	3	900	2400					0	0
683.71			C	8	1500	2400					0	0
684.27			C	14	900	2400					0	0
684.51			C	16	600	2400					0	0
684.71			C	36	900	2400					0	0
684.92			C	20	600	2400					25	25
685.16			C	20	600	2400					25	25
685.36			C	20	600	2400					25	25
685.55			C	18	1200	2400					0	0
686.04			C	14	1200	2400					0	0
686.24			C	3	1200	2400					0	0
687.14			C	4	1800	2400					0	0
691.36			C	14	2700	2400					0	0
693.99			C	20	600	2400					0	0
694.04			C	4	600	2400					0	0
694.2	Tenandra Creek	41	C	10	1800	2400					0	0
694.58			C	5	1500	2400					0	0
694.63			C	5	1500	2400					0	0
695.57			C	5	1200	2400					0	0
695.65			C	5	1500	2400					0	0
697.47			C	3	600	2400					20	20
697.74			C	2	900	2400					5	20
697.85			C	4	1500	2400					20	20
697.9			C	10	1500	2400					20	20
697.98			C	8	2100	2400					20	20
700.02	Mungery Creek	26	B				1	14000			20	20
700.09			B				1	14000			20	20
700.12			B				3	14000			-	-
700.19			B				2	14000			-	-
701.89			B				4	14000			-	-
701.98			B				3	14000			-	-
702.28			C	5	1200	2400					20	20
702.31			C	12	900	2400					40	40
702.34	Caleriwi Creek	36	B				2	14000			-	-
702.38			C	13	1200	2400					20	20
702.42			C	10	600	2400					20	20
702.47			C	10	600	2400					20	20
702.52			C	5	600	2400					20	20
702.57			C	3	600	2400					20	20
703.5			C	2	600	2400					20	20
703.77			C	2	600	2400					20	20
703.99			C	10	1500	2400					20	20
703.99			C	10	1800	2400					20	20
704.19			C	10	900	2400					20	20
704.26			C	3	600	2400					20	20
704.5			C	4	900	2400					20	20
704.55			C	5	1200	2400					20	20
704.59	Quanda Quanda Creek	47	B				4	14000			-	-
704.76			C	10	900	2400					20	20
704.68			C	12	1200	2400					20	20
704.73			C	14	1200	2400					20	20
704.94			C	10	900	2400					20	20
704.94			C	7	900	2400					20	20
705.19			C	6	2100	2400					20	20
705.23			C	6	2400	2400					20	20
705.36			B				1	14000			20	20
705.41			B				1	14000			20	20
705.46			B				4	14000			-	-
705.74			B				6	14000			-	-
706.89			C	2	600	2400					5	5
707.01			C	2	2100	2400					5	5
707.18			B				1	14000			20	20

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Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type	Box Culvert			Bridge				Adopted Debris Blockage	
			Bridge or Culvert (B / C)	No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
707.63			C	2	900	2400					5	5
707.76			C	2	600	2400					5	5
707.98			C	2	600	2400					5	5
708.47	Black Gutter	3	C	18	900	2400					5	5
708.57			C	6	600	2400					5	5
708.65			C	3	600	2400					5	5
708.73			C	15	600	2400					5	5
708.9			C	7	600	2400					5	5
708.98			C	8	600	2400					5	5
709.11			C	4	600	2400					5	5
709.18			C	9	600	2400					20	20
709.23			C	3	600	2400					40	40
709.27	Salty Springs Creek	29	B				2	14000			-	-
709.32			C	5	900	2400					40	40
709.36			C	4	1200	2400					20	20
709.36			C	13	900	2400					20	20
709.46			C	9	1500	2400					20	20
709.57			C	6	1800	2400					5	5
709.66			C	8	1800	2400					5	5
709.74			C	8	2400	2400					20	20
709.81			C	6	2400	2400					5	5
709.87			C	8	2100	2400					5	5
709.95			C	6	2100	2400					5	5
710.18			C	1	900	2400					20	20
710.6			C	7	900	2400					20	20
710.75			C	9	1500	2400					20	20
710.83			C	11	1500	2400					20	20
713.53			C	8	900	2400					5	5
713.63			C	3	900	2400					5	5
713.71			C	2	900	2400					5	5
714.16			C	2	1200	2400					5	5
714.39			C	17	1500	2400					20	20
714.49			C	9	1800	2400					40	40
714.55			C	8	2100	2400					20	20
714.59	Calga Creek	52	B				2	14000			-	-
714.63			C	14	2700	2400					40	40
714.7			B				4	14000			-	-
715.38			C	3	900	2400					20	20
716.03			B				1	14000			20	20
717.87			C	2	900	2400					20	20
718.04			C	2	2100	2400					20	20
718.07			C	5	1800	2400					20	20
718.17	Noonbar Creek	5	C	7	3000	2400					20	20
719.41			C	15	600	2400					20	20
719.53			C	12	600	2400					20	20
720.09			C	5	600	2400					20	20
720.14			C	3	600	2400					20	20
720.36			C	5	600	2400					20	20
720.79			C	6	600	2400					20	20
720.99			C	10	1200	2400					20	40
721.03			C	20	1800	2400					20	40
721.09			C	12	900	2400					40	40
721.18			C	20	600	2400					40	40
721.27			C	8	600	2400					20	20
721.32			C	20	600	2400					20	20
721.42			C	10	600	2400					20	20
721.49			C	8	600	2400					20	20
721.54			C	3	600	2400					20	20
721.59			C	5	600	2400					20	20
721.69			C	6	600	2400					20	20
721.81			C	5	900	2400					20	20
722.03			C	10	1800	2400					20	20
722.08			C	20	2100	2400					40	40
722.16			C	6	2400	2400					40	40
722.21			C	12	2100	2400					40	40
722.29	Bucklanbah Creek	155	B				6	23000			-	-
722.45			C	5	2700	2400					40	40

Table Structure Details												
Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type	Box Culvert			Bridge				Adopted Debris Blockage	
			Bridge or Culvert (B / C)	No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
722.5			C	8	2400	2400					40	40
722.56			C	5	2400	2400					40	40
722.62			C	4	2100	2400					40	40
722.62			C	3	600	2400					40	40
722.7			C	12	2100	2400					40	40
722.83			C	9	3000	2400					20	20
725.49			C	2	2100	2400					5	5
728.11	Small Creek	6	C	9	1500	2400					5	5
728.24			C	9	1200	2400					5	5
728.28			C	15	900	2400					5	5
728.83			C	15	900	2400					5	5
729.88			C	7	1200	2400					5	5
730.46			C	10	3000	2400					40	40
730.5	Teridgerie Creek	398	B				5	23000			-	-
730.63			C	5	2100	2400					40	40
730.83			C	16	2100	2400					40	40
731.16			C	3	1200	2400					5	5
731.95			C	3	1500	2400					5	5
732.26			C	12	2400	2400					20	20
732.33			C	3	1800	2400					20	20
732.88			C	3	1800	2400					5	5
733.38			C	3	1800	2400					5	5
734.09			C	3	600	2400					20	20
734.61			C	3	600	2400					5	20
734.64			C	12	600	2400					20	20
734.7			C	12	600	2400					20	20
734.79			C	8	600	2400					5	5
735.3			C	2	600	2400					5	5
735.43			C	2	900	2400					5	5
735.43			C	3	600	2400					5	5
735.69			C	3	1200	2400					5	5
736.29			C	3	600	2400					5	5
737.01			C	9	1200	2400					5	5
737.14			C	4	1200	2400					5	5
737.89	Ironbark Creek	32	C	10	1500	2400					5	5
737.98			C	8	1500	2400					5	5
738.15			C	2	1200	2400					5	5
738.9			C	3	600	2400					5	5
738.96			C	3	600	2400					20	20
739.53			C	5	600	2400					5	5
739.65			C	3	600	2400					5	5
739.94			C	2	600	2400					5	5
740.42			C	8	1200	2400					5	5
740.47			C	5	1200	2400					5	5
740.51			C	8	1200	2400					5	5
740.63			C	9	900	2400					5	5
740.7			C	7	900	2400					5	5
741.13			C	2	600	2400					5	5
741.26			C	3	600	2400					5	5
741.34			C	3	600	2400					5	5
741.46			C	1	600	2400					5	5
741.92			C	8	1200	2400					5	5
741.96			C	10	1500	2400					5	5
742.02			C	9	1200	2400					5	5
742.31			C	3	600	2400					5	5
742.44			C	3	600	2400					5	5
742.61			C	2	600	2400					5	5
742.61			C	2	600	2400					5	5
742.91			C	3	600	2400					5	5
744.44			C	3	600	2400					5	5
744.69			C	3	600	2400					5	5
744.74			C	10	600	2400					5	5
744.84			C	6	600	2400					5	5
744.9			C	8	600	2400					5	5
745			C	8	1200	2400					20	20
745.48			C	3	600	2400					50	50
745.59			C	3	600	2400					50	50

Table Structure Details												
Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type	Box Culvert			Bridge				Adopted Debris Blockage	
			Bridge or Culvert (B / C)	No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
745.8			C	3	600	2400					50	50
746.85			C	3	600	2400					50	50
747.38			C	1	600	2400					50	50
747.77	Baradine Creek	978	B				2	23000	6	33000	-	-
749.28			B				3	14000			-	-
752.19			C	2	2100	2400					100	100
752.48			C	3	3000	2400					100	100
752.71	Coolangla Creek	42	B				3	23000			-	-
753.16			C	3	600	2400					100	100
753.33			C	4	600	2400					100	100
753.38			C	3	600	2400					100	100
753.48			C	4	600	2400					100	100
753.64			C	7	600	2400					100	100
756.79			B				2	23000			-	-
757.45			C	3	1200	2400					100	100
757.54			C	4	1800	2400					100	100
758.97	Cumbil Forest Creek	8	C	4	3000	2400					100	100
759.46			C	12	2400	2400					100	100
761.19			C	6	600	2400					100	100
761.24			C	12	600	2400					100	100
761.79			C	4	600	2400					100	100
762.89			C	4	600	2400					100	100
763.46	Etoo Creek	319	B				15	23000			-	-
764.02			C	3	1200	2400					100	100
764.07			C	2	900	2400					100	100
764.87			C	5	900	2400					100	100
765.01			C	2	1200	2400					100	100
765.05			C	3	1200	2400					100	100
765.13			C	2	1200	2400					100	100
765.17			C	2	1200	2400					100	100
765.61			C	4	600	2400					100	100
765.7			C	4	600	2400					100	100
766.41			C	2	1800	2400					100	100
767.59			C	7	2400	2400					100	100
767.91			C	4	1200	2400					100	100
767.94	Stockyard Creek	17	B				4	14000			-	-
768.01			C	4	900	2400					100	100
769.14	Rocky Creek	181	B				5	23000			-	-
769.41			C	3	1500	2400					100	100
770.81			C	1	900	2400					100	100
771.1			C	3	900	2400					100	100
771.24			C	3	600	2400					100	100
772.05			C	2	600	2400					100	100
772.16			C	6	600	2400					100	100
773.37	Tinegie Creek	2	B				4	14000			-	-
773.45			C	6	2100	2400					100	100
773.54			C	6	2400	2400					100	100
773.62			C	4	2400	2400					100	100
777.56			C	8	2400	2400					100	100
778.02			C	8	3000	2400					100	100
778.55			C	5	1200	2400					100	100
778.97			C	1	600	2400					100	100
779.02			C	1	600	2400					100	100
779.64	Talluba Creek	47	B				4	14000			-	-
779.74			C	6	2100	2400					100	100
779.77			C	3	2700	2400					100	100
779.8			C	3	2700	2400					100	100
779.83			B				5	14000			-	-
781.52			B				6	14000			-	-
782.94			C	3	600	2400					100	100
783.07			C	3	600	2400					100	100
783.65	Cubbo Creek	67	B				5	23000			-	-
785.06			C	3	2100	2400					100	100
786.81			B				2	14000			-	-
786.84			B				3	14000			-	-
787.36			C	3	3000	2400					100	100
787.38			C	3	3000	2400					100	100

Table Structure Details												
Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type	Box Culvert			Bridge				Adopted Debris Blockage	
			Bridge or Culvert (B / C)	No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
787.41			C	3	3000	2400					100	100
787.52			C	3	2700	2400					100	100
789.38	Rocky Creek	181	B				3	23000			-	-
789.46			B				3	14000			-	-
789.51			B				4	14000			-	-
790.13			C	6	1200	2400					100	100
790.24			C	6	600	2400					100	100
790.33			C	6	600	2400					100	100
792.57			C	3	600	2400					100	100
793.83			C	2	600	2400					100	100
794.25			C	3	600	2400					100	100
796.11			C	9	2100	2400					100	100
796.16			C	15	1800	2400					100	100
796.27			C	18	1500	2400					100	100
796.41	Coghill Creek	81	B				13	14000			-	-
796.63			C	3	1800	2400					100	100
796.66			C	9	2700	2400					100	100
796.9			C	3	1800	2400					100	100
796.93			C	2	1800	2400					100	100
800.33			C	21	3000	2400					100	100
800.4			C	4	3000	2400					100	100
800.45	Mollieroi Creek	105	B				4	23000			-	-
800.57			C	3	2700	2400					100	100
800.59			C	3	2700	2400					100	100
800.62			C	3	2400	2400					100	100
800.66			C	10	2400	2400					100	100
800.77			C	3	2100	2400					100	100
800.86			C	15	2100	2400					100	100
800.94			C	3	1800	2400					100	100
800.98			C	7	1500	2400					100	100
801.03			C	3	1500	2400					100	100
801.73			C	10	600	2400					100	100
801.84			C	3	600	2400					100	100
801.89			C	12	600	2400					100	100
802.05			C	3	600	2400					100	100
802.13			C	3	600	2400					100	100
802.2			C	12	600	2400					100	100
802.3			C	3	600	2400					100	100
802.43			C	3	600	2400					100	100
802.53			C	20	600	2400					100	100
803.26			C	14	600	2400					100	100
803.65	Black Creek	19	C	10	2100	2400					100	100
803.77			C	6	2100	2400					100	100
804.32			C	6	600	2400					100	100
804.85			C	5	1500	2400					100	100
804.96			C	4	1500	2400					100	100
805.74			B				3	14000			-	-
805.81			C	4	2100	2400					100	100
806.36			C	4	1500	2400					100	100
806.62			C	3	1200	2400					100	100
806.7			C	12	1500	2400					100	100
807.02			C	3	900	2400					100	100
807.08			C	8	900	2400					100	100
807.15			C	3	900	2400					100	100
807.67			C	12	900	2400					100	100
808.22			C	12	600	2400					100	100
808.36			C	16	600	2400					100	100
808.5			C	3	600	2400					100	100
808.81			C	10	900	2400					100	100
808.91			C	3	1200	2400					100	100
808.95			C	6	1200	2400					100	100
809			C	3	1500	2400					100	100
809.05			C	12	2400	2400					100	100
809.11	Goona Creek	49	B				4	14000			-	-
810.04			C	3	600	2400					100	100
810.67			C	6	1200	2400					100	100
810.75			C	7	900	2400					100	100

Table Structure Details												
Rail chainage (km)	Waterway	Catchment Area (km ²)	Structure Type Bridge or Culvert (B / C)	Box Culvert			Bridge				Adopted Debris Blockage	
				No.	Height (mm)	Width (mm)	No.	Span (mm)	No.	Span (mm)	1% AEP event	1% AEP with Climate Change
811.09			C	3	1200	2400					100	100
811.14			C	3	1500	2400					100	100
811.18			C	6	1500	2400					100	100
811.28			C	3	1200	2400					100	100
811.69			C	3	1200	2400					100	100
811.73			C	3	900	2400					100	100
812.22			C	3	1200	2400					100	100
812.26			C	1	900	2400					100	100
812.6			C	3	900	2400					100	100
812.65			C	3	900	2400					100	100
812.69			C	3	900	2400					100	100
814.04			C	3	1500	2400					100	100
814.13			C	6	1800	2400					100	100
814.17			C	3	1500	2400					100	100
814.2			C	3	1500	2400					100	100
814.24			C	8	1500	2400					100	100
814.9			C	3	600	2400					100	100
815.55			C	3	900	2400					100	100
817.06			B				2	14000			-	-
817.12			C	32	3000	2400					100	100
817.26			B				2	14000			-	-
817.33			B				3	14000			-	-
817.39			B				2	14000			-	-
817.43			B				2	14000			-	-
817.48			B				3	14000			-	-
817.57			B				2	14000			-	-
817.65	Bundock Creek	82	B				6	23000			-	-
818.18			C	6	1800	2400					100	100
819.65			C	4	1200	2400					100	100
819.91			C	3	900	2400					100	100
820.89			C	4	900	2400					20	20
820.93			C	3	900	2400					20	20
822.07			C	8	2100	2400					20	20
822.2			C	4	1800	2400					20	20
824.8			C	3	900	2400					5	5
825.12			C	3	1200	2400					5	5
825.4			C	3	600	2400					5	5
825.97			C	1	600	2400					5	5
826.69			C	1	600	2400					5	5
826.9			C	1	600	2400					5	5
827.85			C	2	600	2400					40	40
827.87			C	2	600	2400					40	40
828.22	Bohena Creek	2041	B				14	23000			-	-
828.23			C	72	2100	2400					40	40
828.41			B				9	14000			-	-
828.55			C	84	2700	2400					40	40
828.77			B				12	14000			-	-
828.96			B				17	14000			-	-
829.9			C	6	3000	2400					40	40
829.93			C	6	3000	2400					40	40
829.97			C	18	2700	2400					40	40
830.11			C	9	2400	2400					40	40
830.24			C	6	3000	2400					40	40
830.29			C	6	2700	2400					40	40
830.33			C	11	3000	2400					40	40
830.41			C	6	2400	2400					40	40
830.48			C	24	1800	2400					40	40
830.74			C	12	2100	2400					40	40
830.89			C	12	600	2400					40	40
831.67			C	3	2700	2400					40	40
832.14			C	2	2100	2400					40	40
833.13			C	10	1500	2400					40	40
833.75			C	3	2100	2400					40	40
833.82			C	3	2400	2400					40	40
833.89			C	3	2400	2400					40	40
834.45			B				3	14000			-	-
834.54			B				3	14000			-	-

[illegible]