

Appendix B

Existing Conditions Flood Maps

B1 - Existing Flood Depth 39% AEP

B2 – Existing Flood Depth 10% AEP

B3 – Existing Flood Depth 1% AEP

B4 – Existing Flood Velocity 39% AEP

B5 – Existing Flood Velocity 10% AEP

B6 – Existing Flood Velocity 1% AEP

B7 – Existing Flood Duration 39% AEP

B8 – Existing Flood Duration 10% AEP

B9 – Existing Flood Duration 1% AEP





Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- <= 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

Date: 18/10/2018

Rev: B

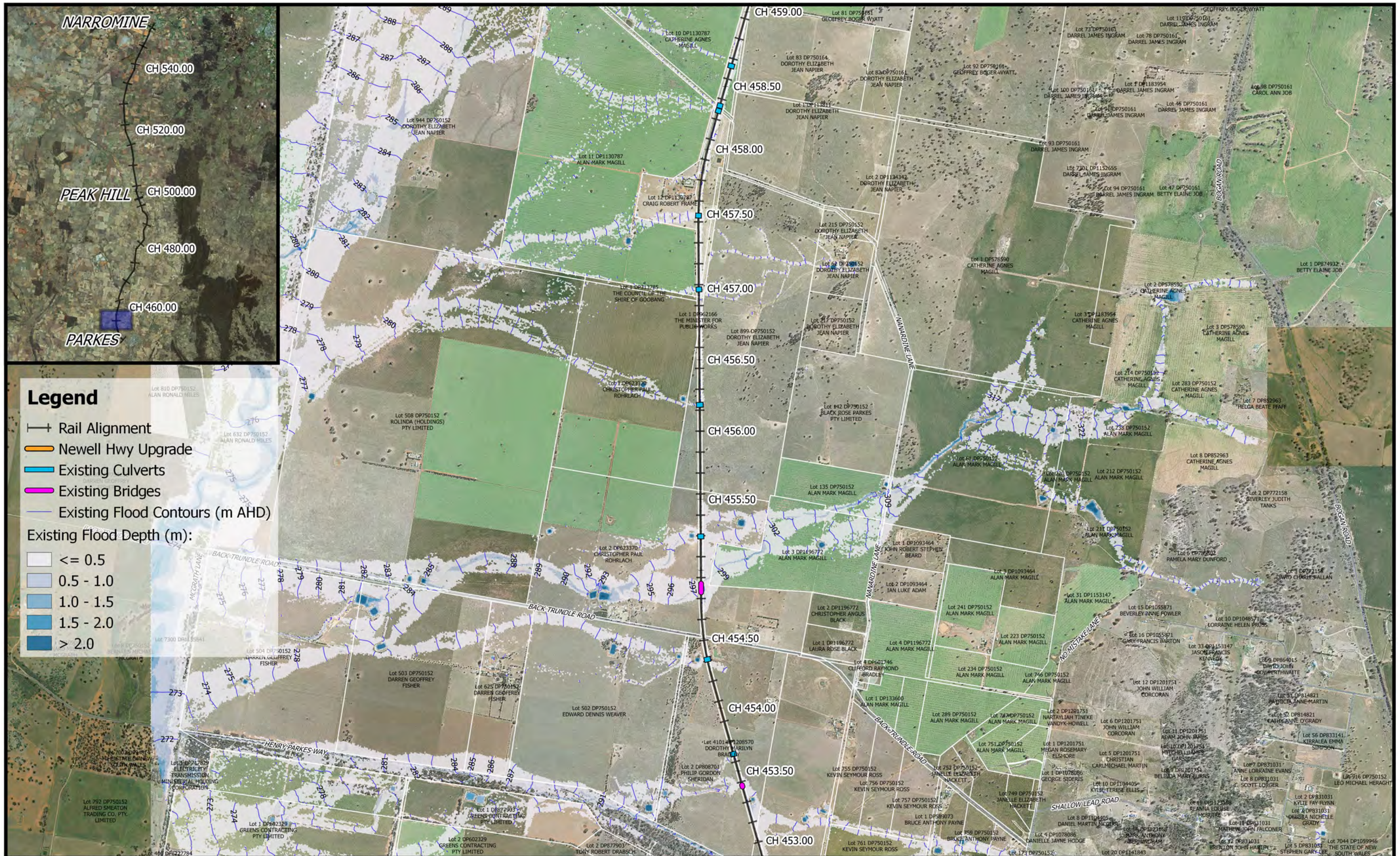
Prepared By: YeohM



Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX39L1

39% AEP Existing Flood Depths and Levels - CH 450.00



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)

Existing Flood Depth (m):

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

	<p>1:25,000</p>		Date: 18/10/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L2 39% AEP Existing Flood Depths and Levels - CH 455.00</p>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: B	
	Prepared By: YeohM			



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- ≤ 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



0 250 500 750 1000 m
1:25,000

Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



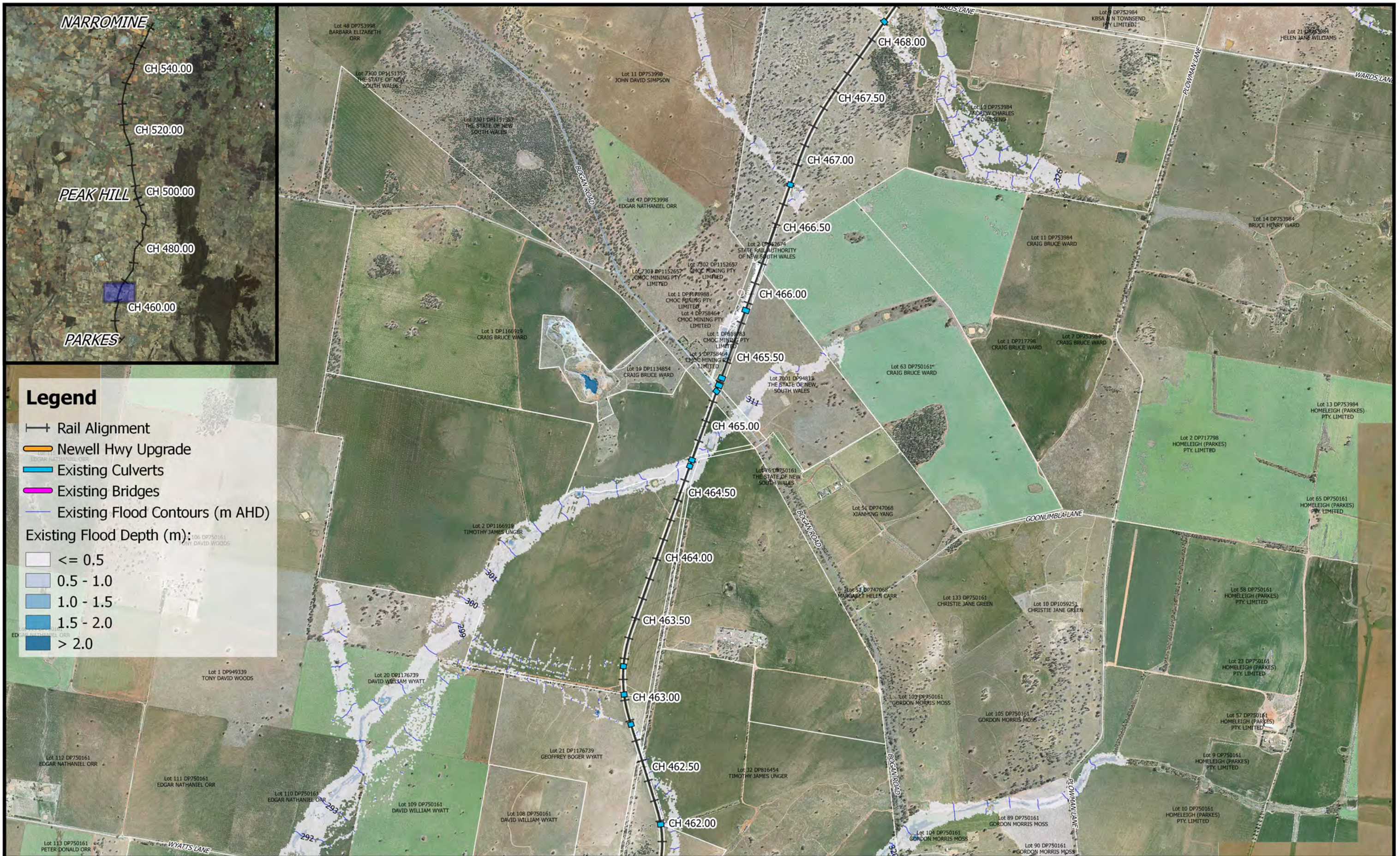
Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX39L3
39% AEP Existing Flood Depths and Levels - CH 460.00



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)

Existing Flood Depth (m):

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

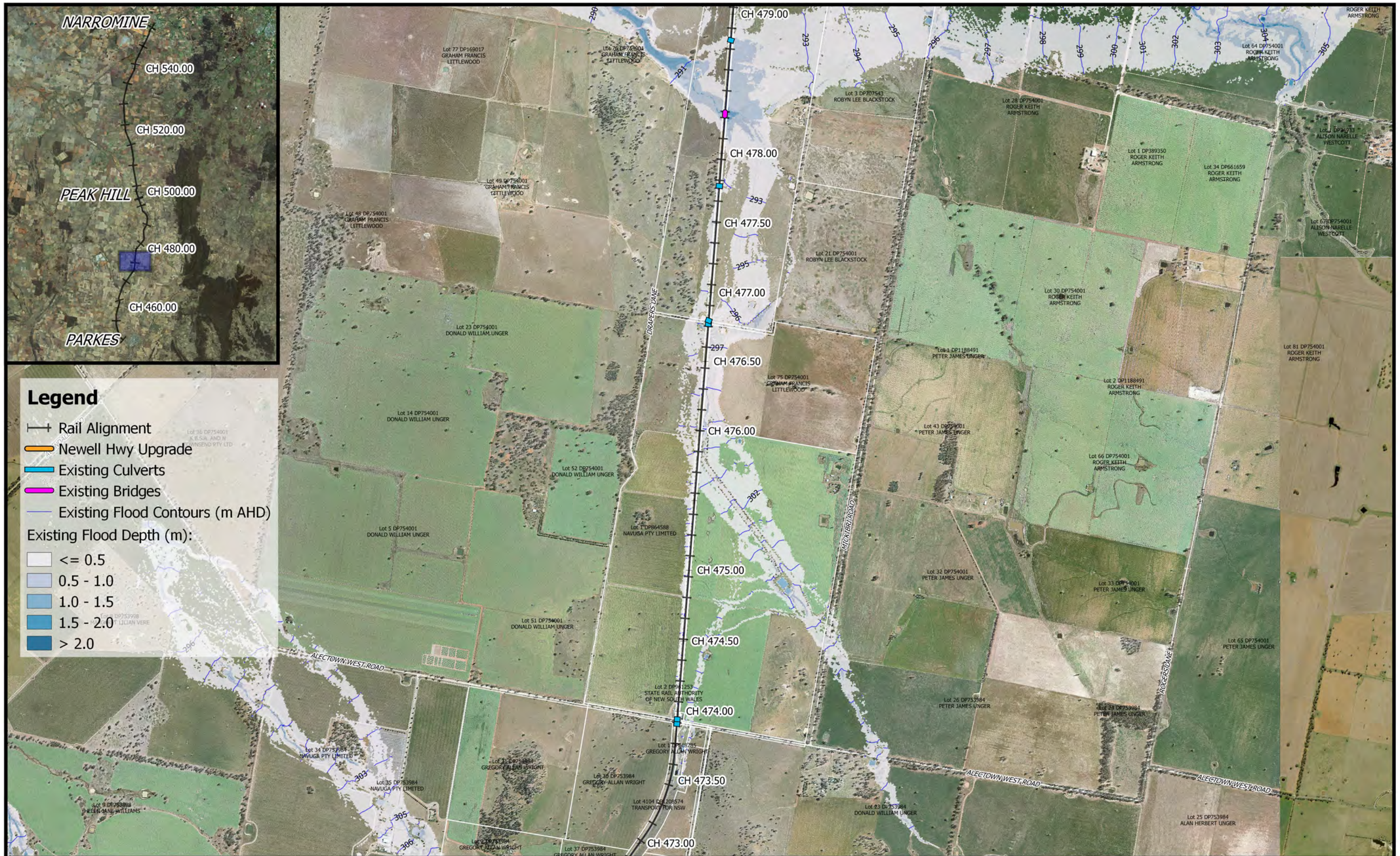
	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 18/10/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L4 <i>39% AEP Existing Flood Depths and Levels - CH 465.00</i></p>
	Rev: B		Prepared By: YeohM	



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
 - <= 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p>	<p>M M MOTT MACDONALD</p>	Date: 18/10/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L5 39% AEP Existing Flood Depths and Levels - CH 470.00</p>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: B	
	Prepared By: YeohM			



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- <= 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p>		<p>Date: 18/10/2018</p>	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L7 <i>39% AEP Existing Flood Depths and Levels - CH 475.00</i></p>
	<p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		<p>Rev: B</p>	
	<p>Prepared By: YeohM</p>			



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- <= 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

Date: 18/10/2018

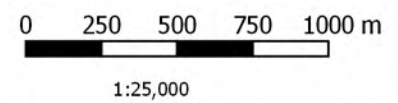
Rev: B

Prepared By: YeohM



Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX39L8
39% AEP Existing Flood Depths and Levels - CH 480.00



Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3

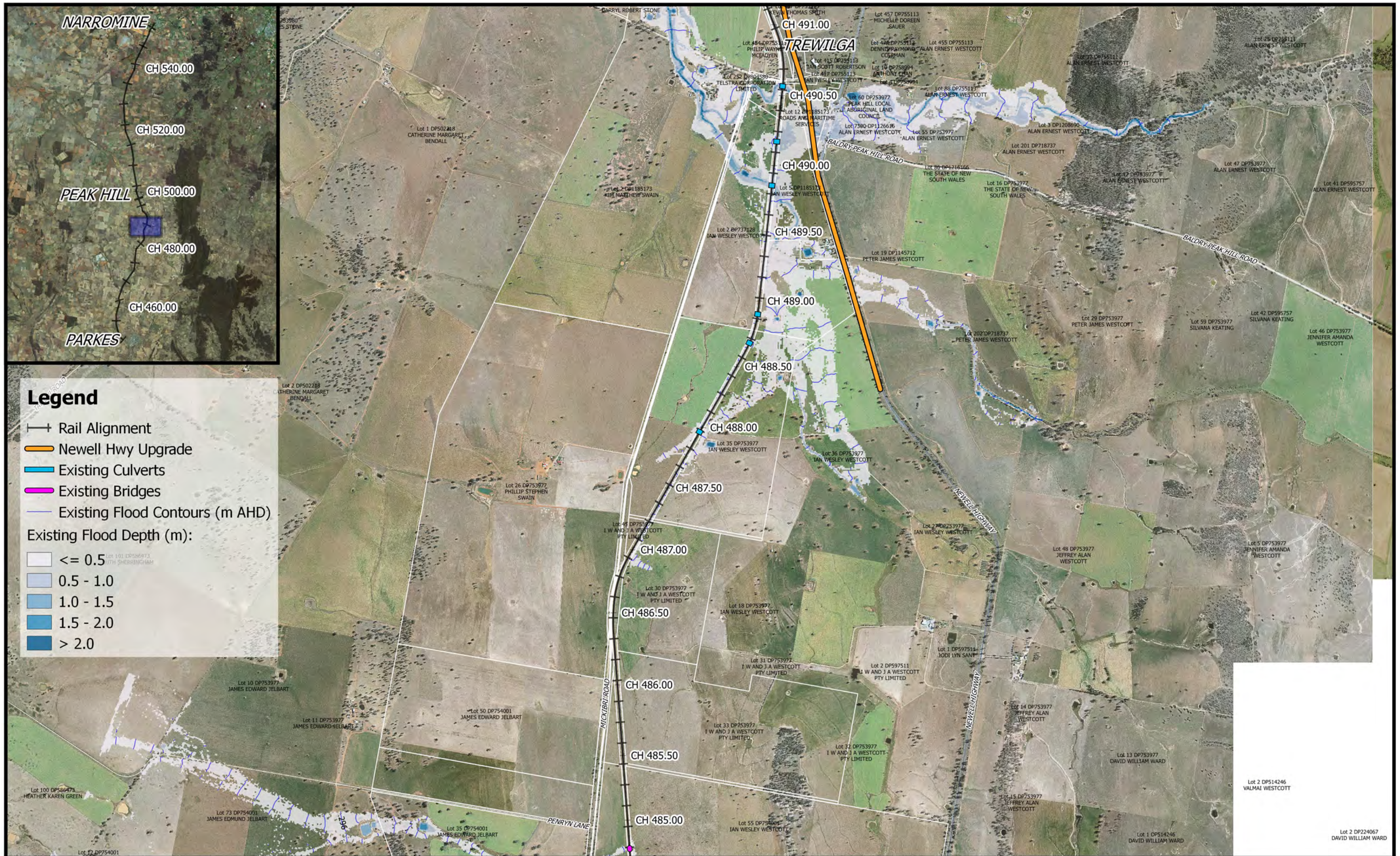




Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
 - ≤ 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		<p>Date: 18/10/2018</p>	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L1 39% AEP Existing Flood Depths and Levels - CH 485.00</p>
			<p>Rev: B</p> <p>Prepared By: YeohM</p>	



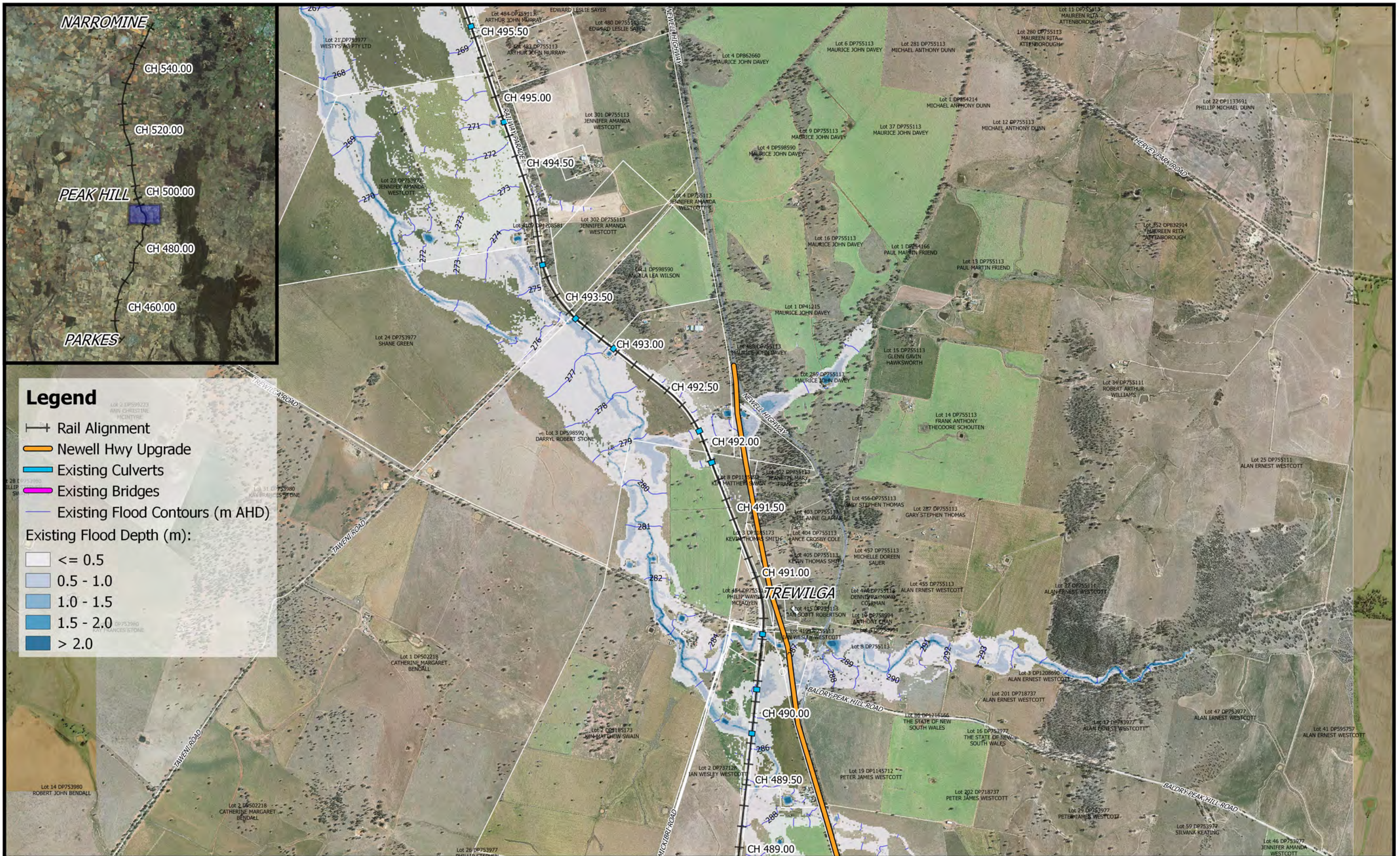
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)

Existing Flood Depth (m):

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 18/10/2018	<p>Parkes to Narromine</p> <p>DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L2</p> <p><i>39% AEP Existing Flood Depths and Levels - CH 490.00</i></p>
	Rev: B		Prepared By: YeohM	



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- <= 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



0 250 500 750 1000 m
1:25,000

Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



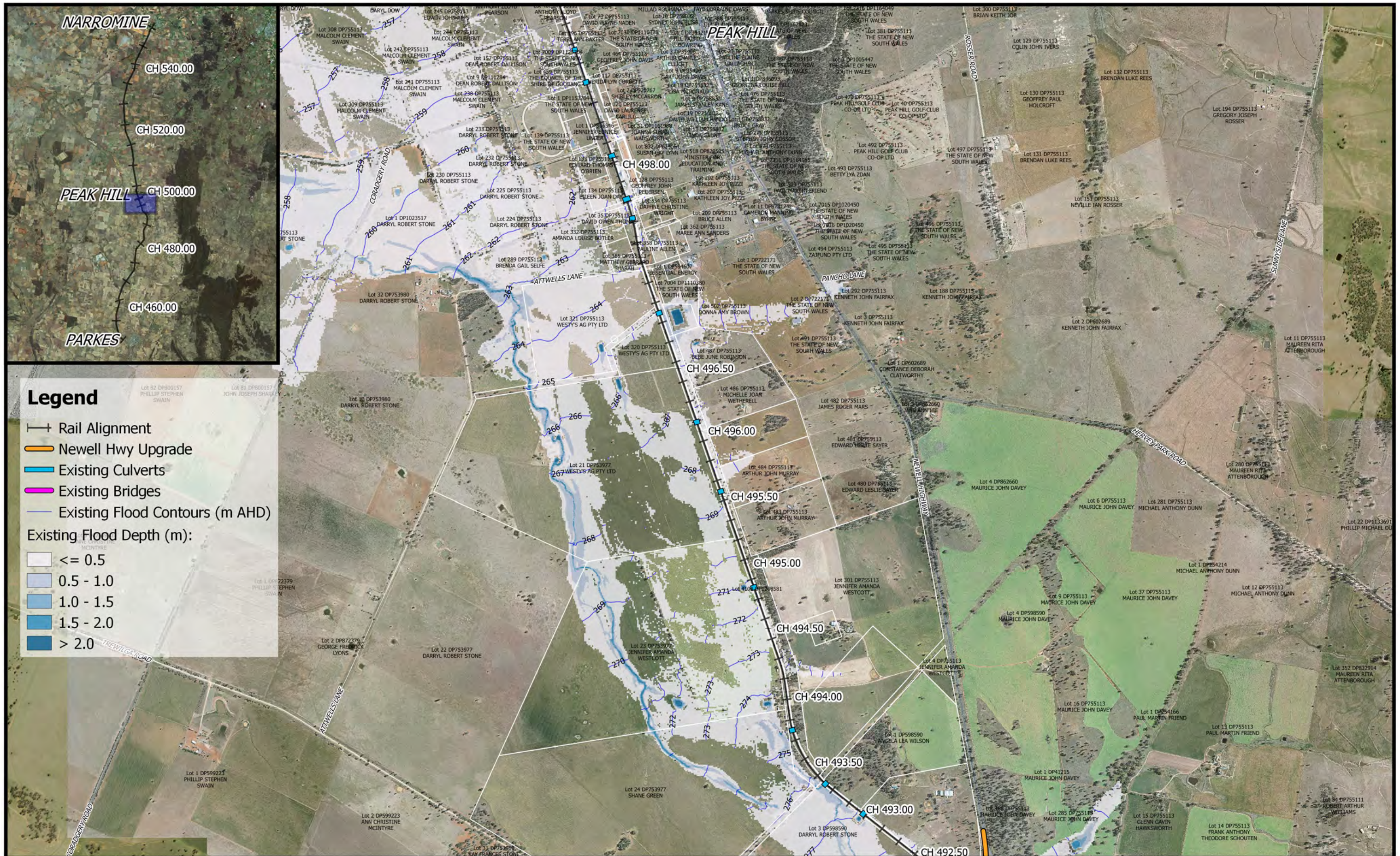
Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX39L11
39% AEP Existing Flood Depths and Levels - CH 492.00



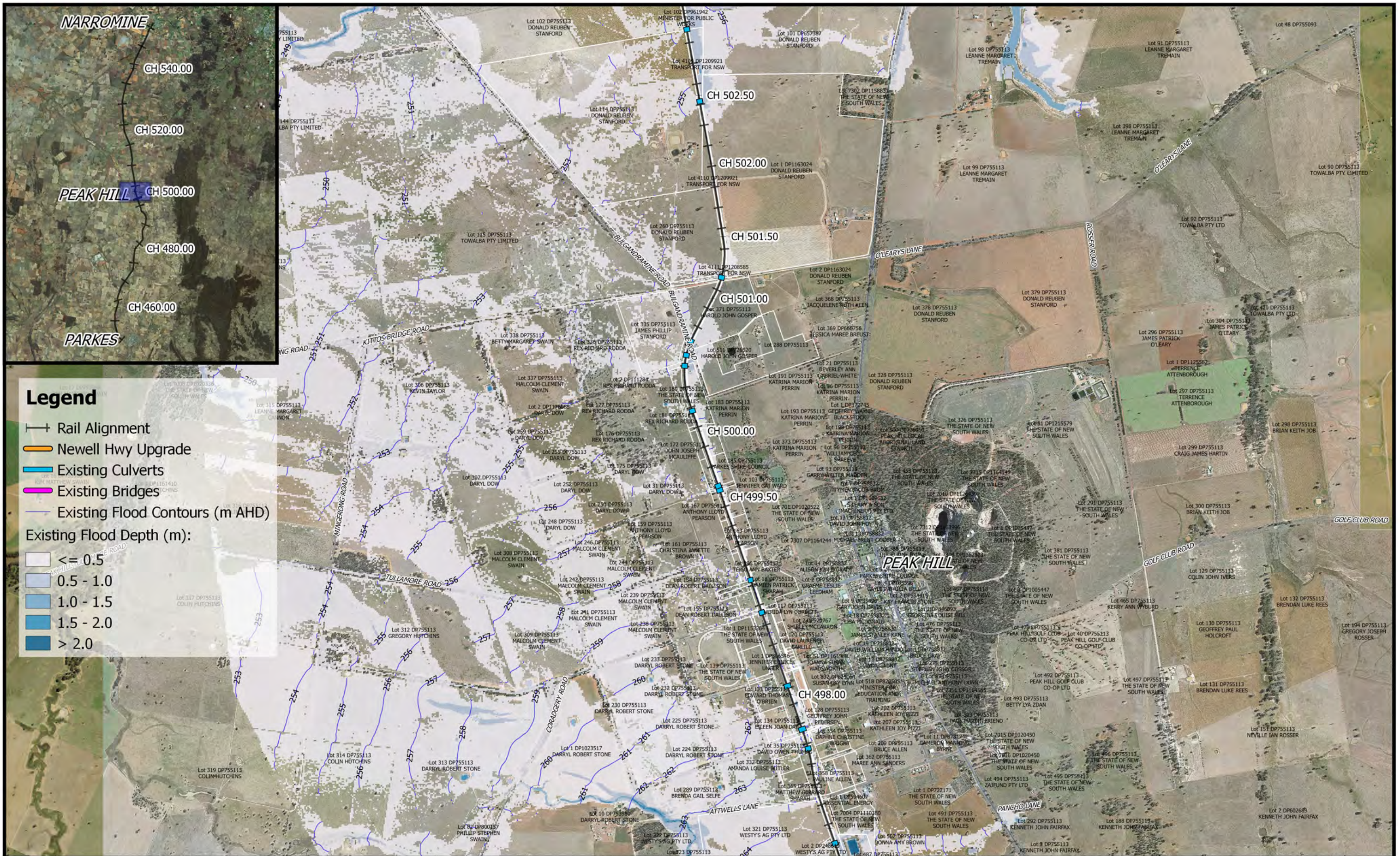
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)

Existing Flood Depth (m):

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>	<p>M M MOTT MACDONALD</p>	<p>Date: 9/7/2018</p> <p>Rev: A</p> <p>Prepared By: WhiteleyD</p>	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L12 39% AEP Existing Flood Depths and Levels - CH 495.00</p>
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	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 9/7/2018	<p align="right">Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure EX39L13 39% AEP Existing Flood Depths and Levels - CH 500.00</p>
	Rev: A			
	Prepared By: WhiteleyD			



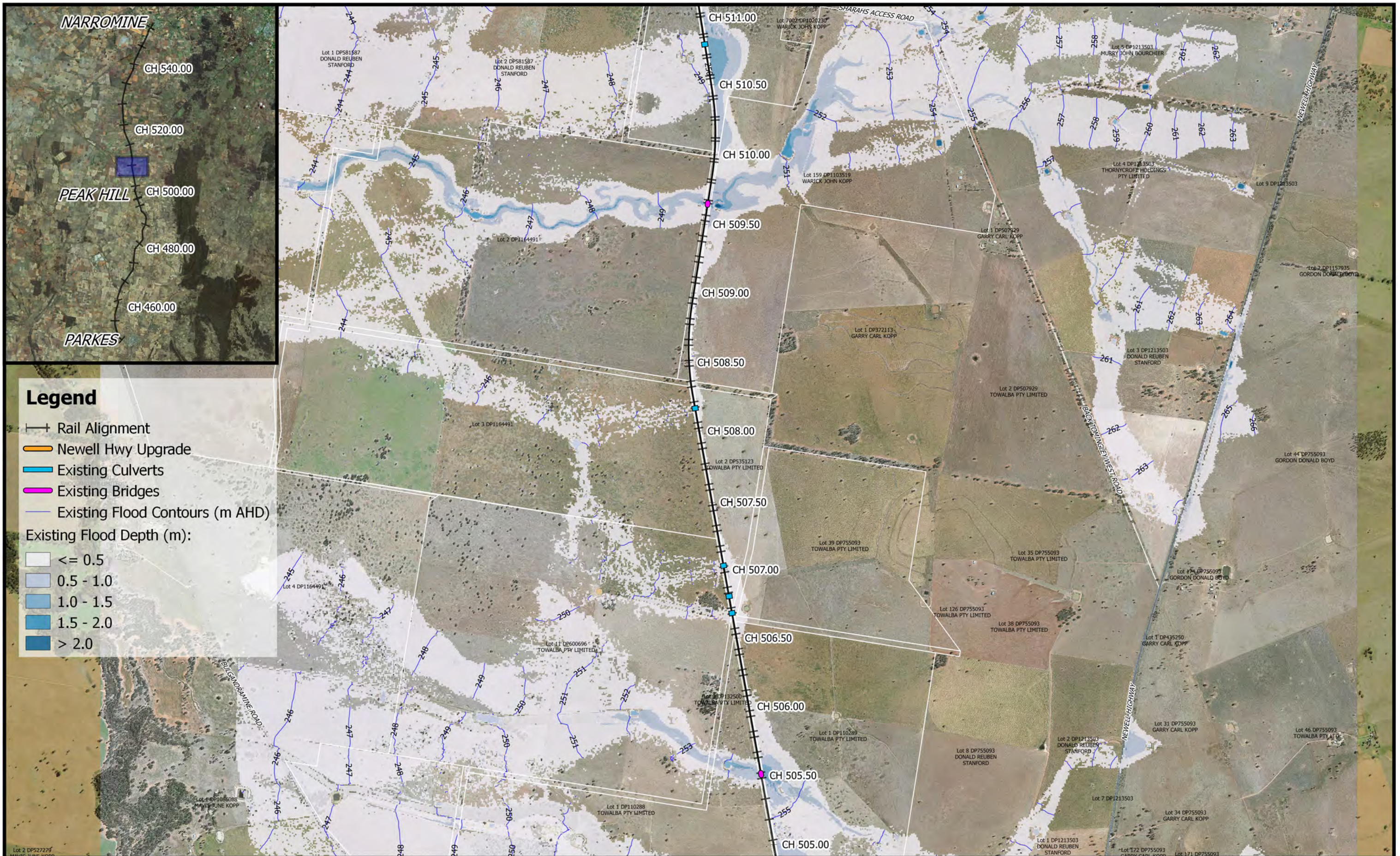
Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)

Existing Flood Depth (m):

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 9/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L14 39% AEP Existing Flood Depths and Levels - CH 505.00</p>
	Rev: A			
	Prepared By: WhiteleyD			



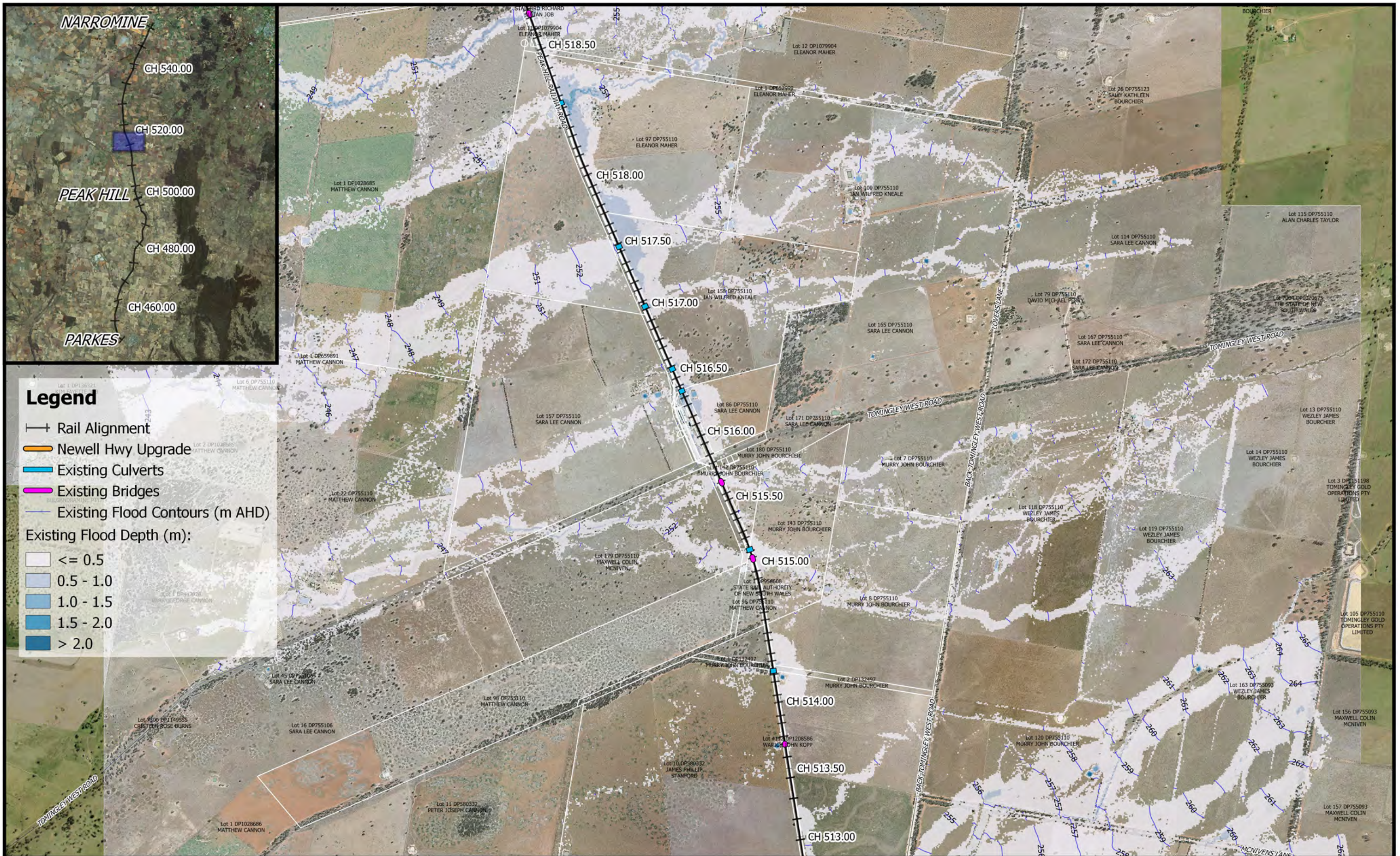
	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 9/7/2018	<p align="center">Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p align="right">Figure EX39L15 39% AEP Existing Flood Depths and Levels - CH 510.00</p>
			Rev: A	
			Prepared By: WhiteleyD	



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- <= 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p>		Date: 9/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L16 39% AEP Existing Flood Depths and Levels - CH 512.00</p>	
	<p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Rev: A		
	<p>Prepared By: WhiteleyD</p>				



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)

Existing Flood Depth (m):

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p>		Date: 9/7/2018	<p>Parkes to Narromine</p> <p>DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L17</p> <p><i>39% AEP Existing Flood Depths and Levels - CH 515.00</i></p>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
	Prepared By: WhiteleyD			



	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Date: 9/7/2018	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX39L18 39% AEP Existing Flood Depths and Levels - CH 520.00
			Rev: A	
			Prepared By: WhiteleyD	



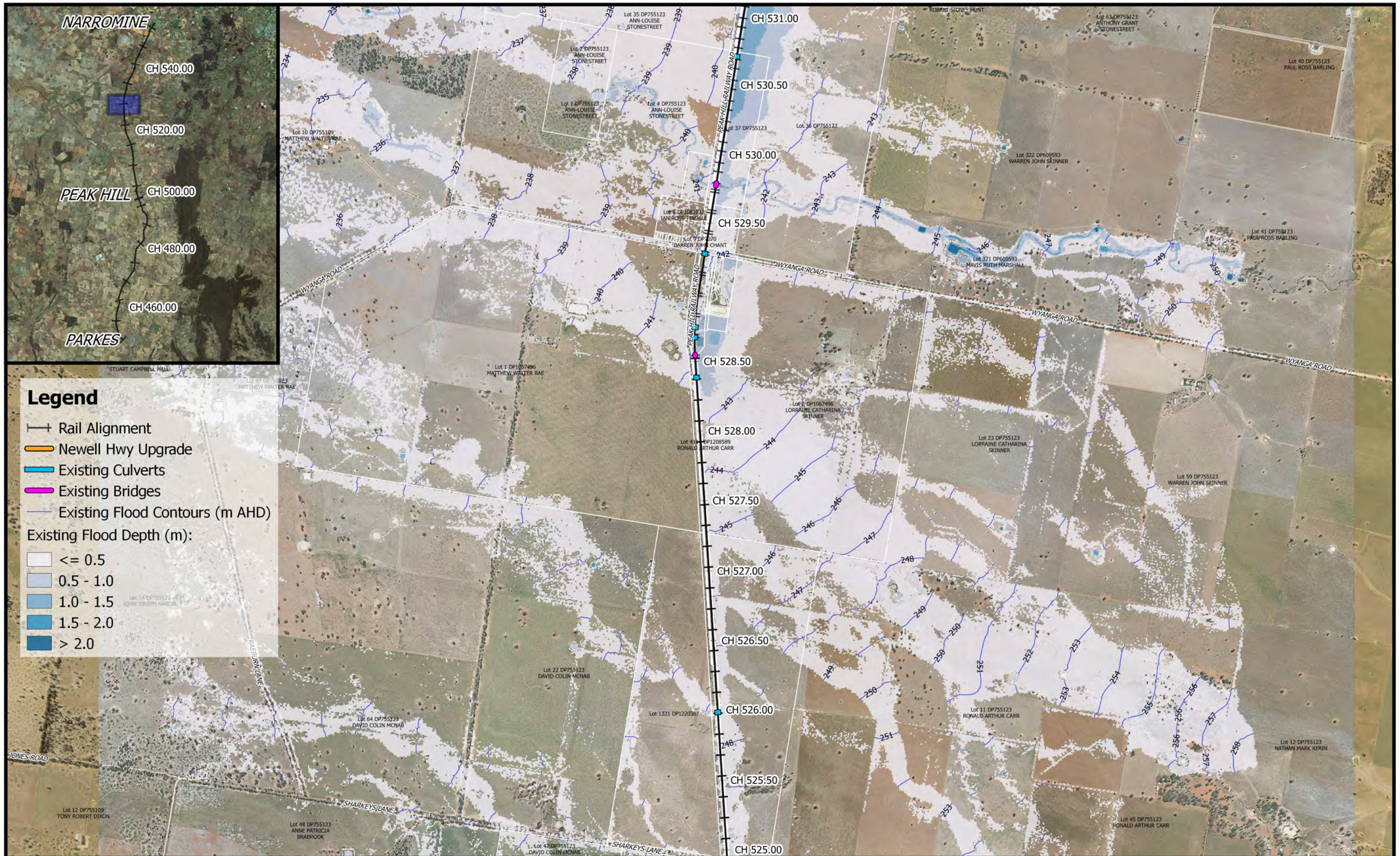
Legend

- +— Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)

Existing Flood Depth (m):

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

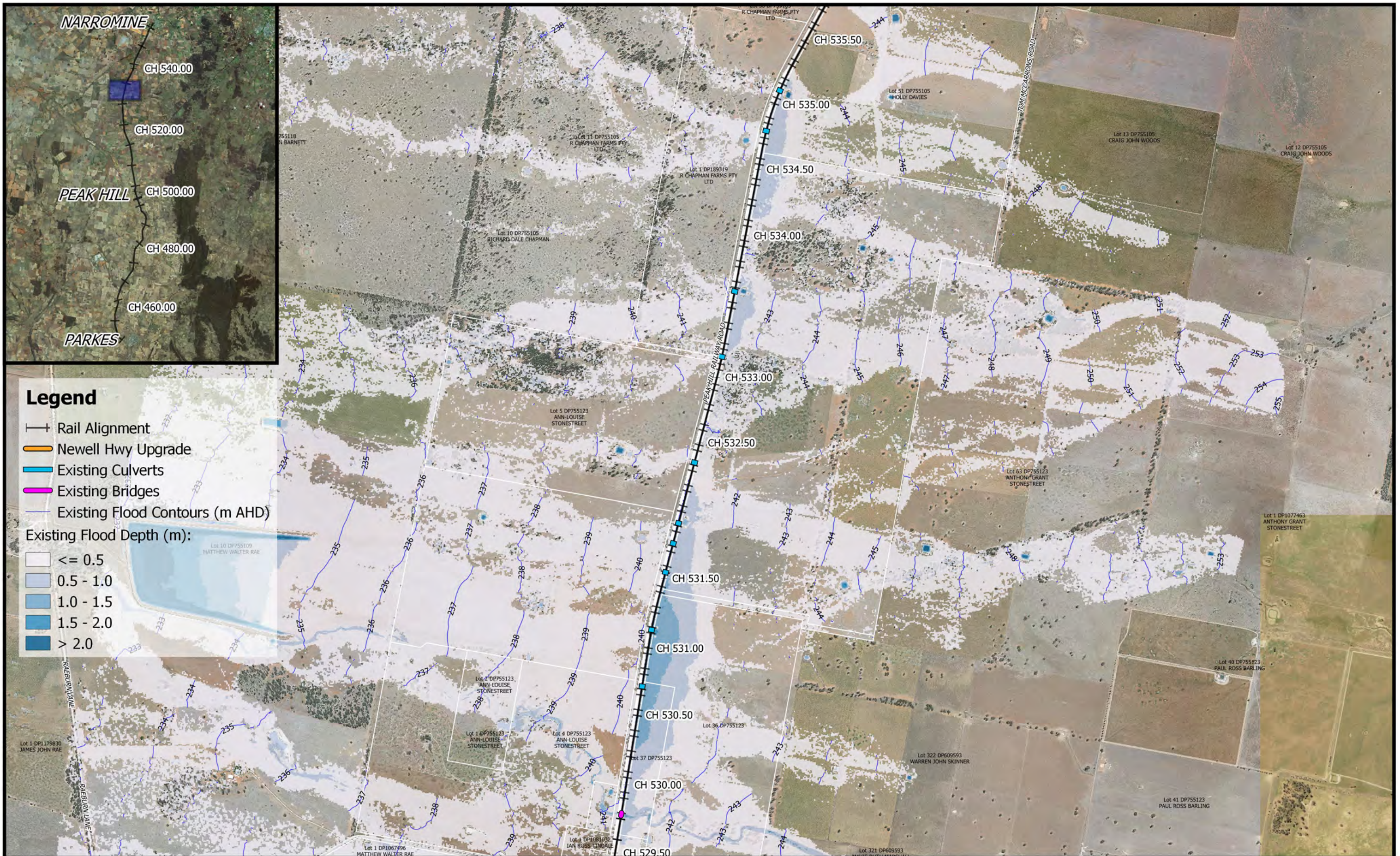
	<p>1:25,000</p>		Date: 9/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L19 39% AEP Existing Flood Depths and Levels - CH 525.00</p>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
	Prepared By: WhiteleyD			



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- <= 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		<p>Date: 9/7/2018</p>	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L20 39% AEP Existing Flood Depths and Levels - CH 530.00</p>	
			<p>Rev: A</p>		
			<p>Prepared By: WhiteleyD</p>		



Legend

- Rail Alignment
- Newell Hwy Upgrade
- Existing Culverts
- Existing Bridges
- Existing Flood Contours (m AHD)

Existing Flood Depth (m):

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0



0 250 500 750 1000 m
1:25,000

Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX39L21
39% AEP Existing Flood Depths and Levels - CH 533.00



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- ≤ 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

	<p>1:25,000</p> <p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		Date: 9/7/2018	<p>Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L22 39% AEP Existing Flood Depths and Levels - CH 535.00</p>
	Rev: A			
	Prepared By: WhiteleyD			



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- <= 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0

	<p>0 250 500 750 1000 m</p> <p>1:25,000</p>		Date: 9/7/2018	<p>Parkes to Narromine</p> <p>DD100% - Cross Drainage Flood Impact Assessment Results</p> <p>Figure EX39L23</p> <p><i>39% AEP Existing Flood Depths and Levels - CH 540.00</i></p>
	Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Rev: A	
	Prepared By: WhiteleyD			



	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Date: 9/7/2018	Parkes to Narromine DD100% - Cross Drainage Flood Impact Assessment Results Figure EX39L24 <i>39% AEP Existing Flood Depths and Levels - CH 545.00</i>
			Rev: A	
			Prepared By: WhiteleyD	



Legend

- Rail Alignment
 - Newell Hwy Upgrade
 - Existing Culverts
 - Existing Bridges
 - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- <= 0.5
 - 0.5 - 1.0
 - 1.0 - 1.5
 - 1.5 - 2.0
 - > 2.0



0 250 500 750 1000 m
1:25,000

Coordinate system: GDA 1994 MGA Zone 55
Scale ratio correct when printed at A3



Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

Parkes to Narromine
DD100% - Cross Drainage Flood Impact Assessment Results

Figure EX39L25
39% AEP Existing Flood Depths and Levels - CH 550.00