

# 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*





	<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	<b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results <b>Figure EX18L1</b> 10% AEP Existing Flood Depths and Levels - CH 450.00
	Rev: B			
	Prepared By: YeohM			



	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Date: 18/10/2018	<b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results <b>Figure EX18L2</b> 10% AEP Existing Flood Depths and Levels - CH 455.00
			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

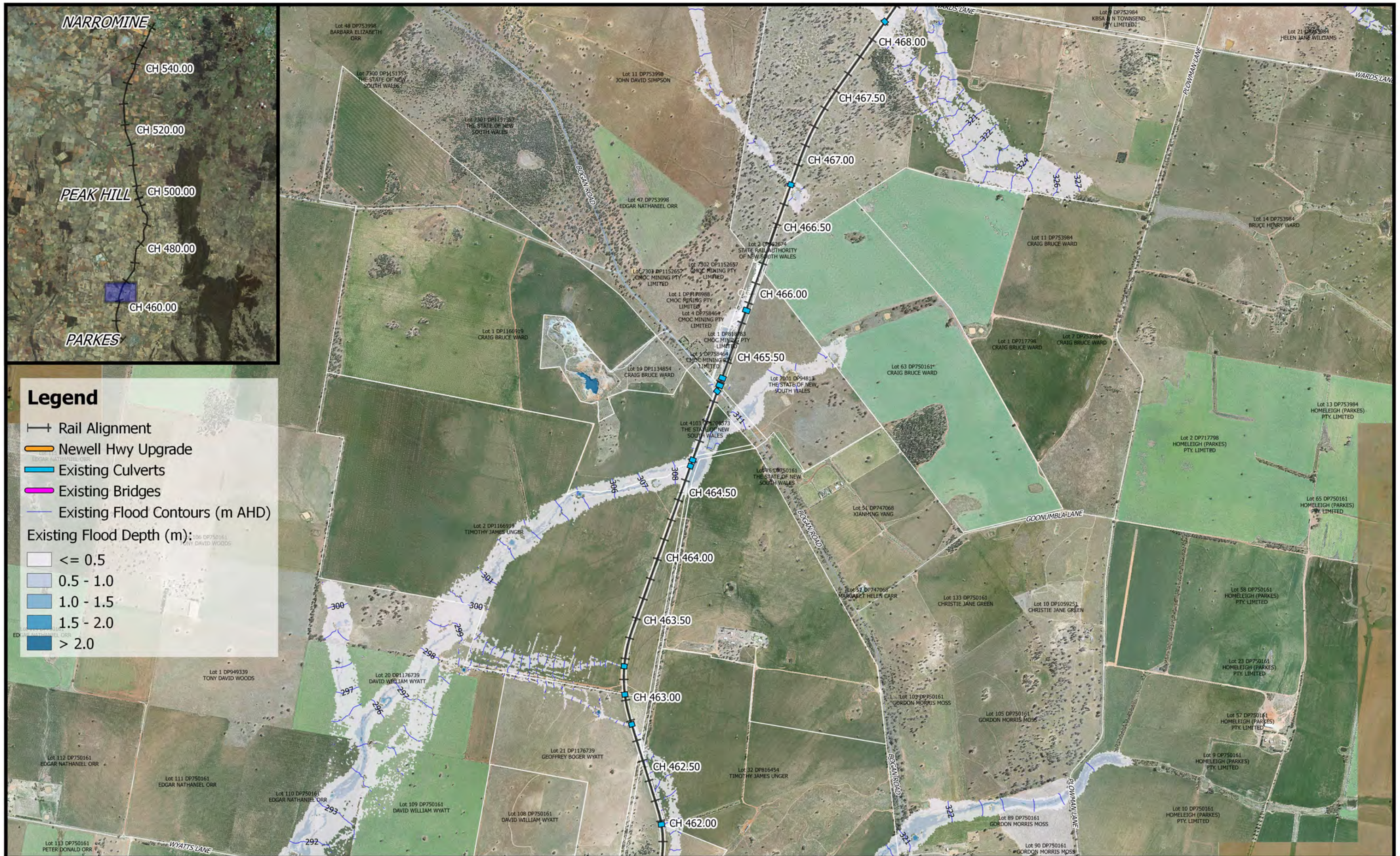
Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

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

**Figure EX10L3**  
10% AEP Existing Flood Depths and Levels - CH 460.00



	<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	<b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results
			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><b>M M</b> MOTT MACDONALD</p>	Date: 9/7/2018	<p><b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results</p> <p><b>Figure EX10L5</b> 10% AEP Existing Flood Depths and Levels - CH 470.00</p>
	Rev: A			
	Prepared By: WhiteleyD			

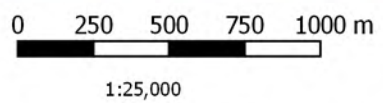


**Legend**

- 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



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



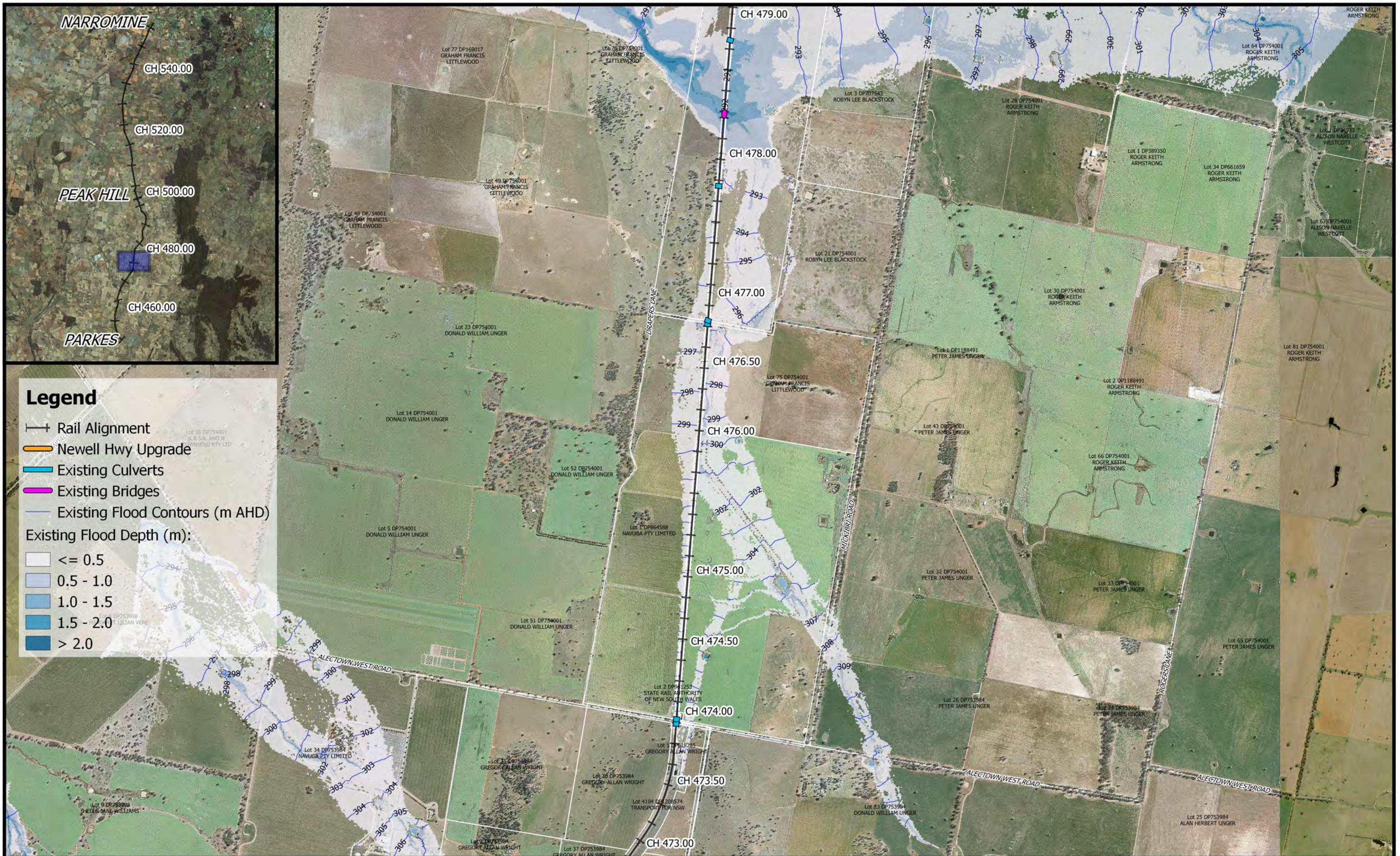
Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

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

**Figure EX10L6**  
10% AEP Existing Flood Depths and Levels - CH 472.00



**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



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 EX10L7**  
10% AEP Existing Flood Depths and Levels - CH 475.00





	 1:25,000 Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3		Date: 9/7/2018	<b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results  <b>Figure EX10L8</b> <i>10% AEP Existing Flood Depths and Levels - CH 480.00</i>
			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	<b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results  <b>Figure EX10L9</b> 10% AEP Existing Flood Depths and Levels - CH 485.00
			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

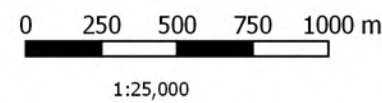
Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

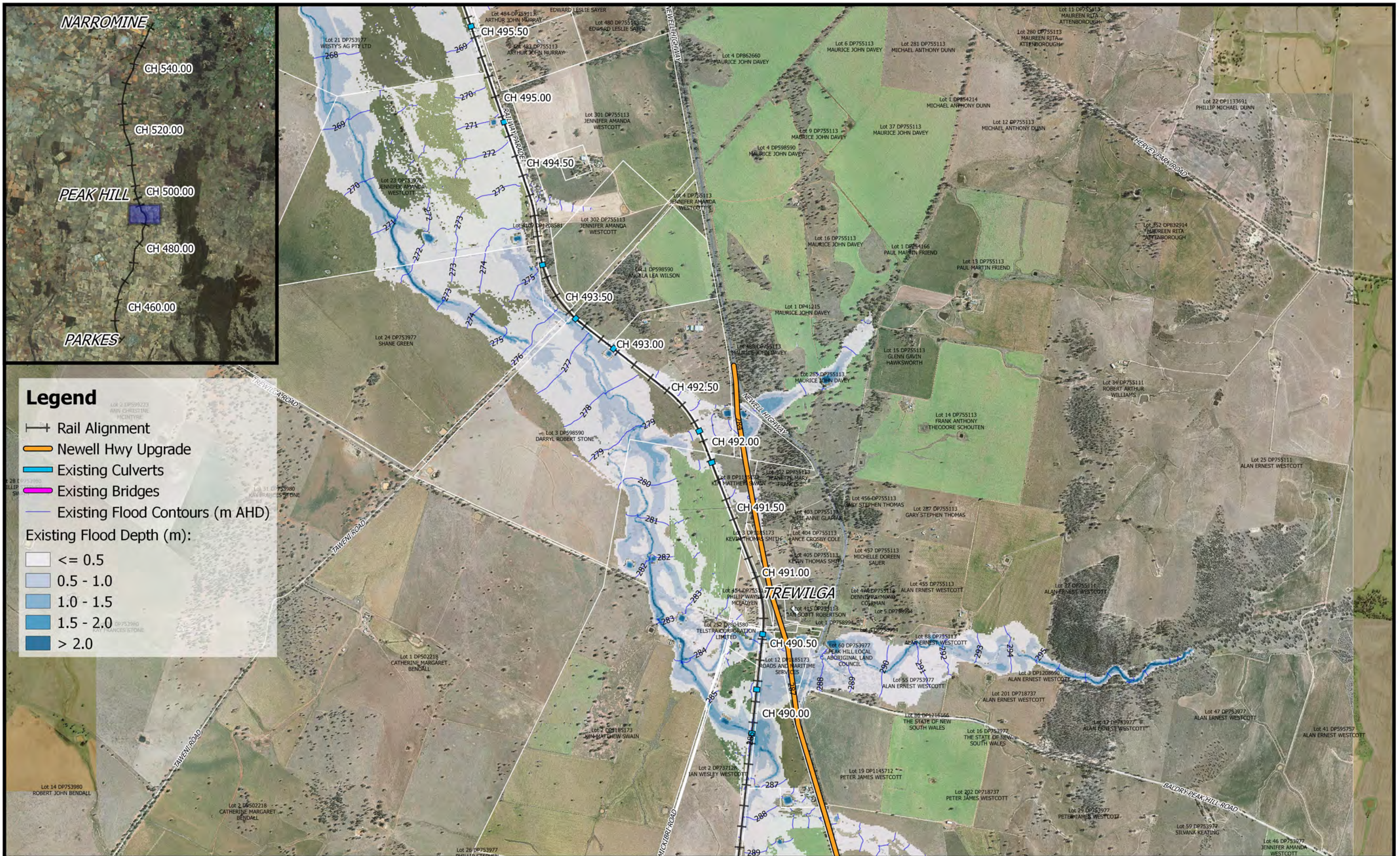
**Parkes to Narromine**  
DD100% - Cross Drainage Flood Impact Assessment Results

**Figure EX10L10**  
10% AEP Existing Flood Depths and Levels - CH 490.00



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





	<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	<b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results <b>Figure EX10L11</b> <i>10% AEP Existing Flood Depths and Levels - CH 492.00</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

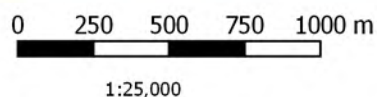
Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

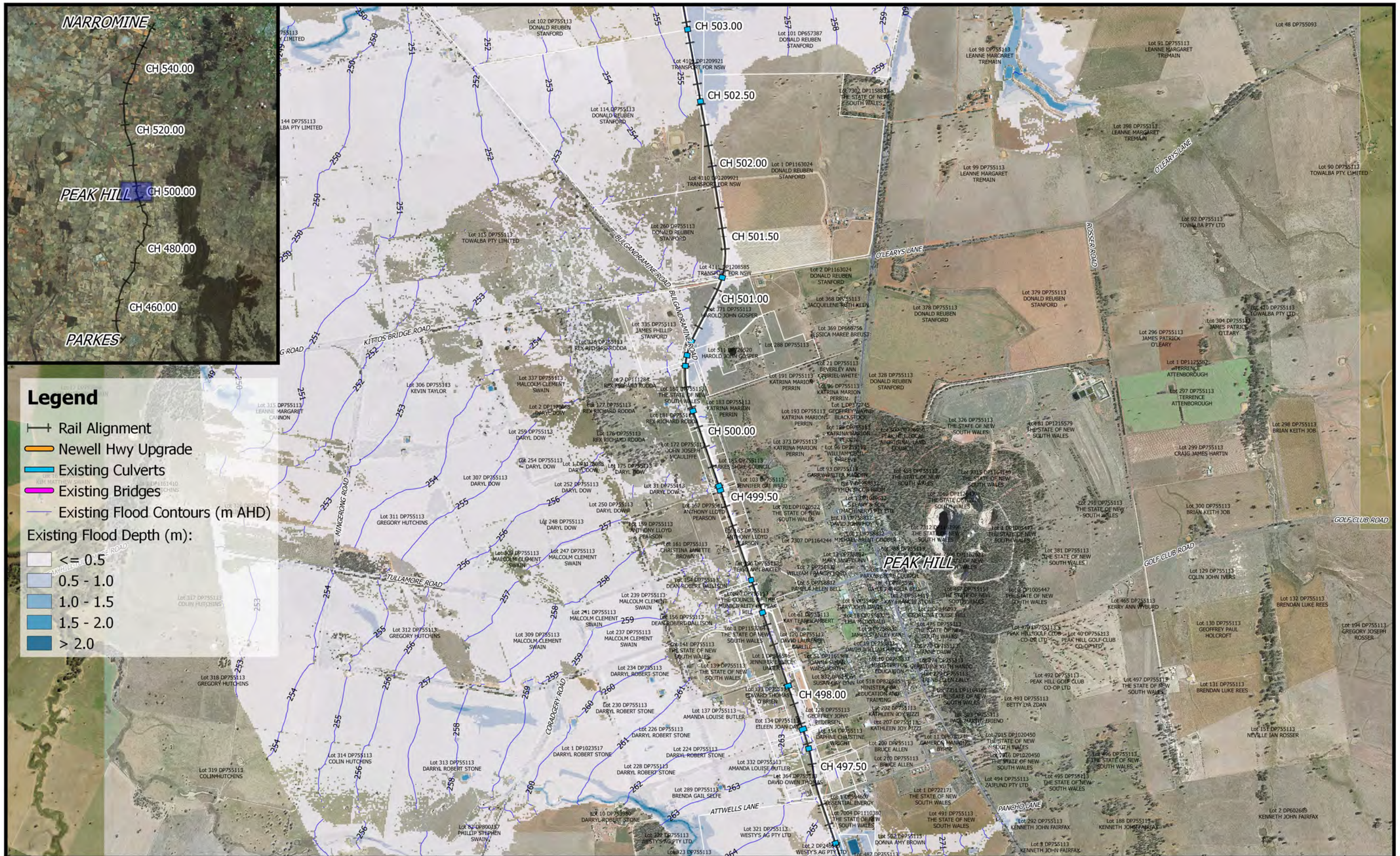
**Parkes to Narromine**  
DD100% - Cross Drainage Flood Impact Assessment Results

**Figure EX10L12**  
10% AEP Existing Flood Depths and Levels - CH 495.00



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



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 EX10L13**  
10% AEP Existing Flood Depths and Levels - CH 500.00



**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



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 EX10L14**  
10% AEP Existing Flood Depths and Levels - CH 505.00



**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

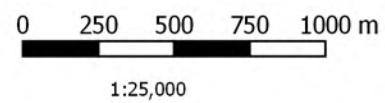
Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

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

**Figure EX10L15**  
10% AEP Existing Flood Depths and Levels - CH 510.00



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

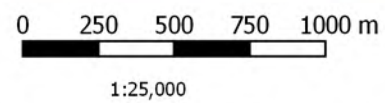






**Legend**

- 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



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



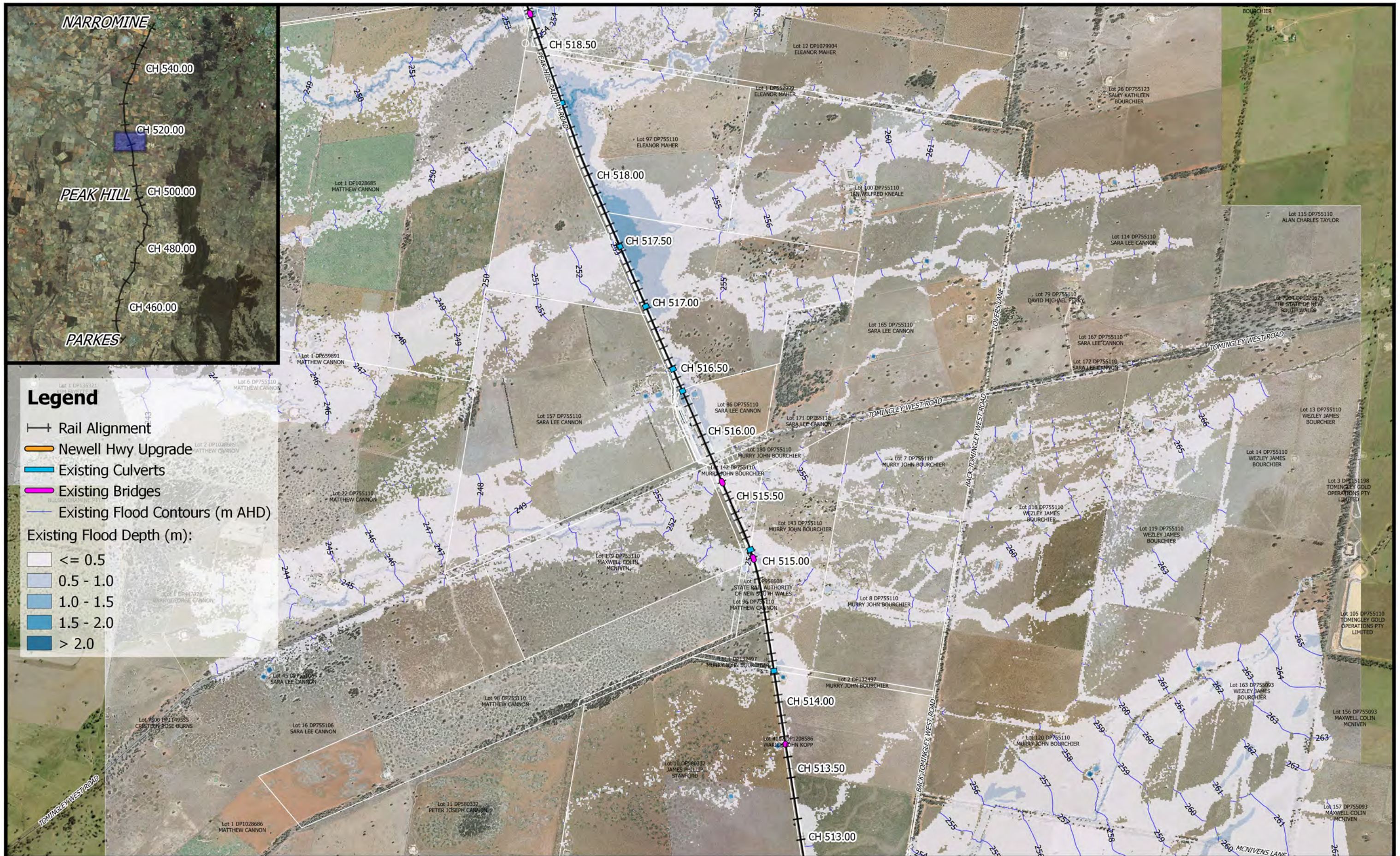
Date: 9/7/2018

Rev: A

Prepared By: WhiteleyD

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

**Figure EX10L16**  
10% AEP Existing Flood Depths and Levels - CH 512.00



**Legend**

- Rail Alignment
  - Newell Hwy Upgrade
  - Existing Culverts
  - Existing Bridges
  - Existing Flood Contours (m AHD)
- Existing Flood Depth (m):
- $\le 0.5$
  - 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



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

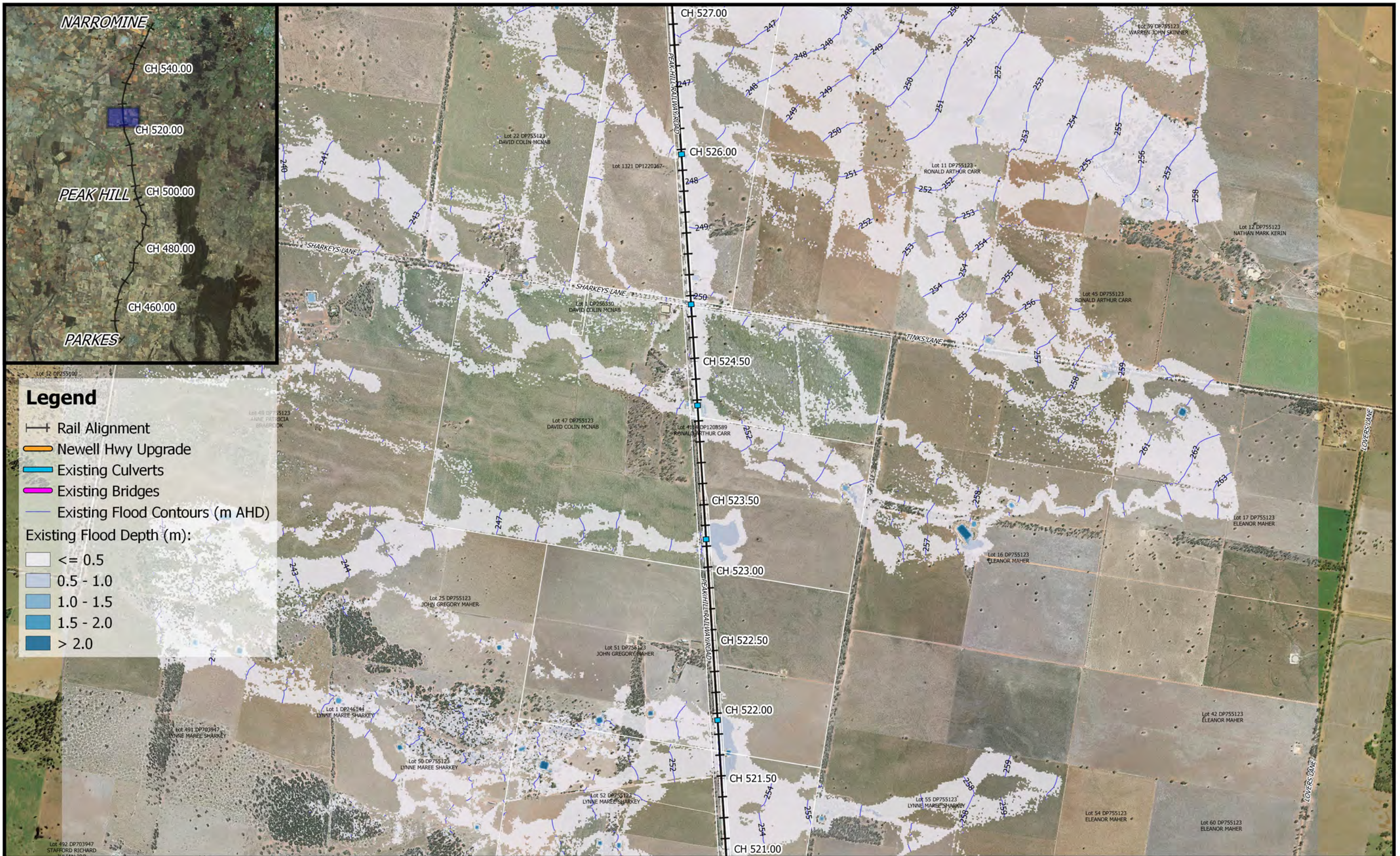
**Figure EX10L17**  
10% AEP Existing Flood Depths and Levels - CH 515.00



**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>		Date: 9/7/2018	<p><b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results</p> <p><b>Figure EX10L18</b> 10% AEP Existing Flood Depths and Levels - CH 520.00</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



0 250 500 750 1000 m  
1:25,000

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



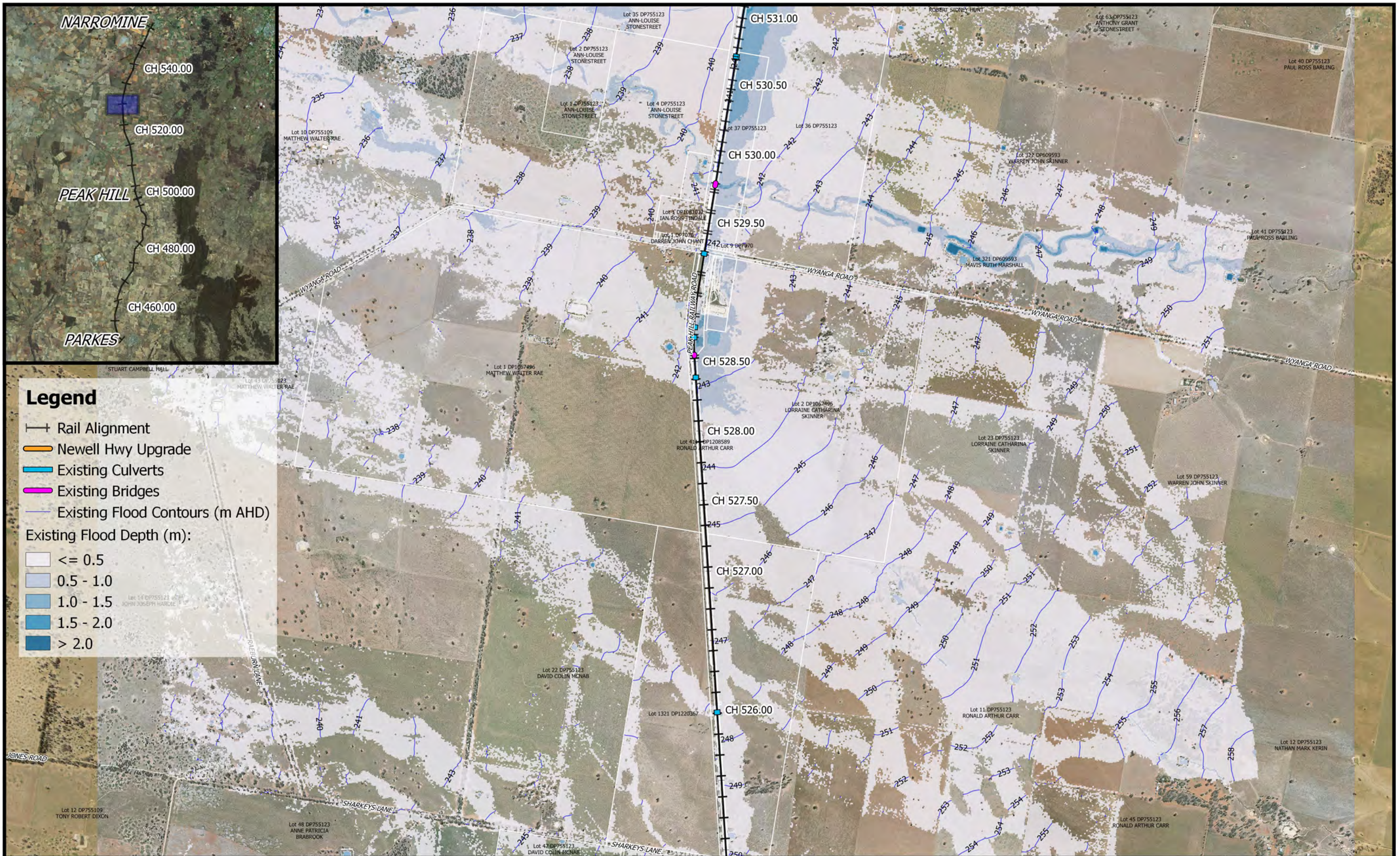
Date: 9/7/2018

Rev: A

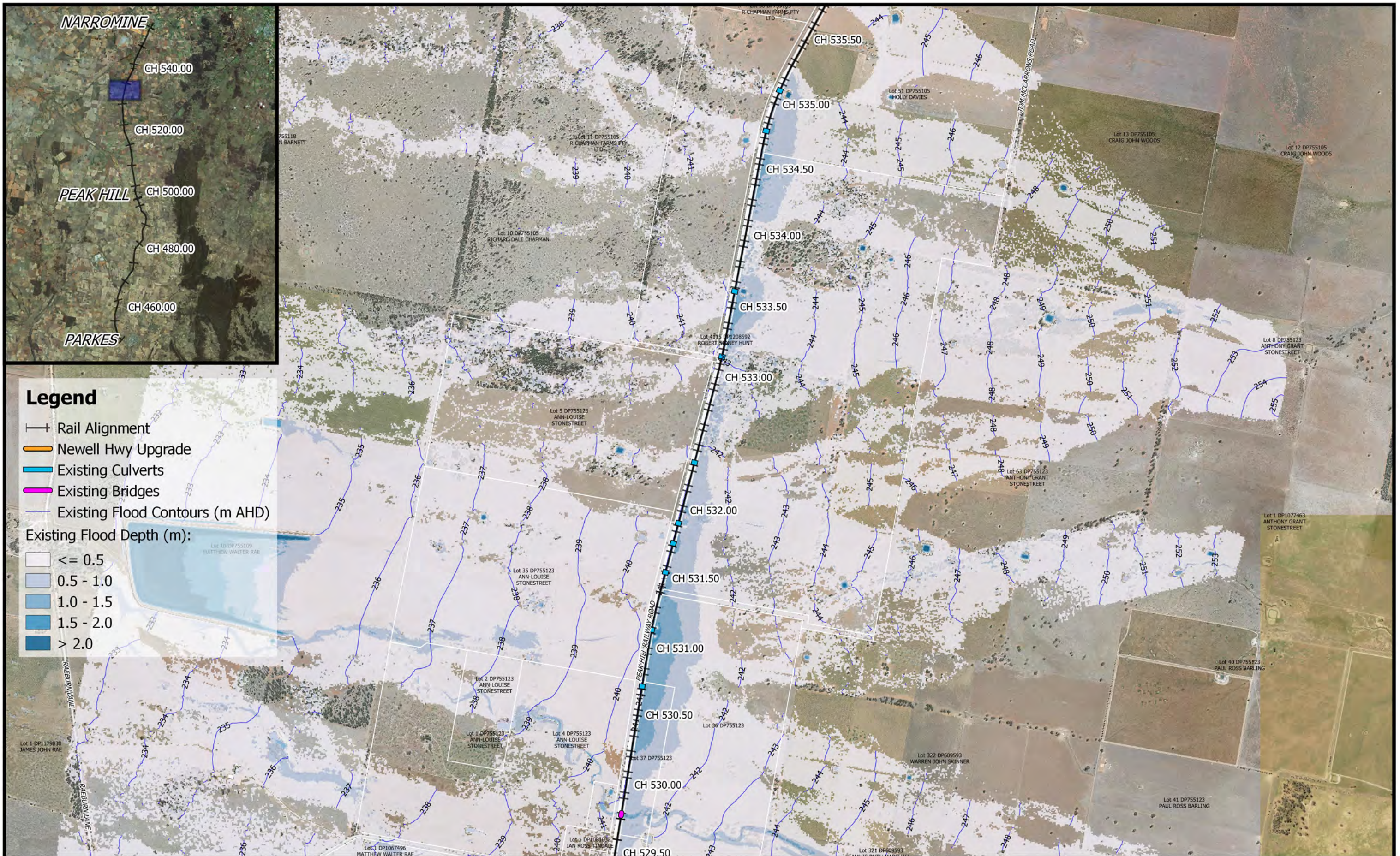
Prepared By: WhiteleyD

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

**Figure EX10L19**  
10% AEP Existing Flood Depths and Levels - CH 525.00



	<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><b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results</p> <p><b>Figure EX10L20</b> 10% AEP Existing Flood Depths and Levels - CH 530.00</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"><b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results</p> <p align="right"><b>Figure EX10L21</b> 10% AEP Existing Flood Depths and Levels - CH 533.00</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
  - > 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><b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results</p> <p><b>Figure EX10L22</b> 10% 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><b>Parkes to Narromine</b></p> <p>DD100% - Cross Drainage Flood Impact Assessment Results</p> <p><b>Figure EX10L23</b></p> <p><i>10% 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			

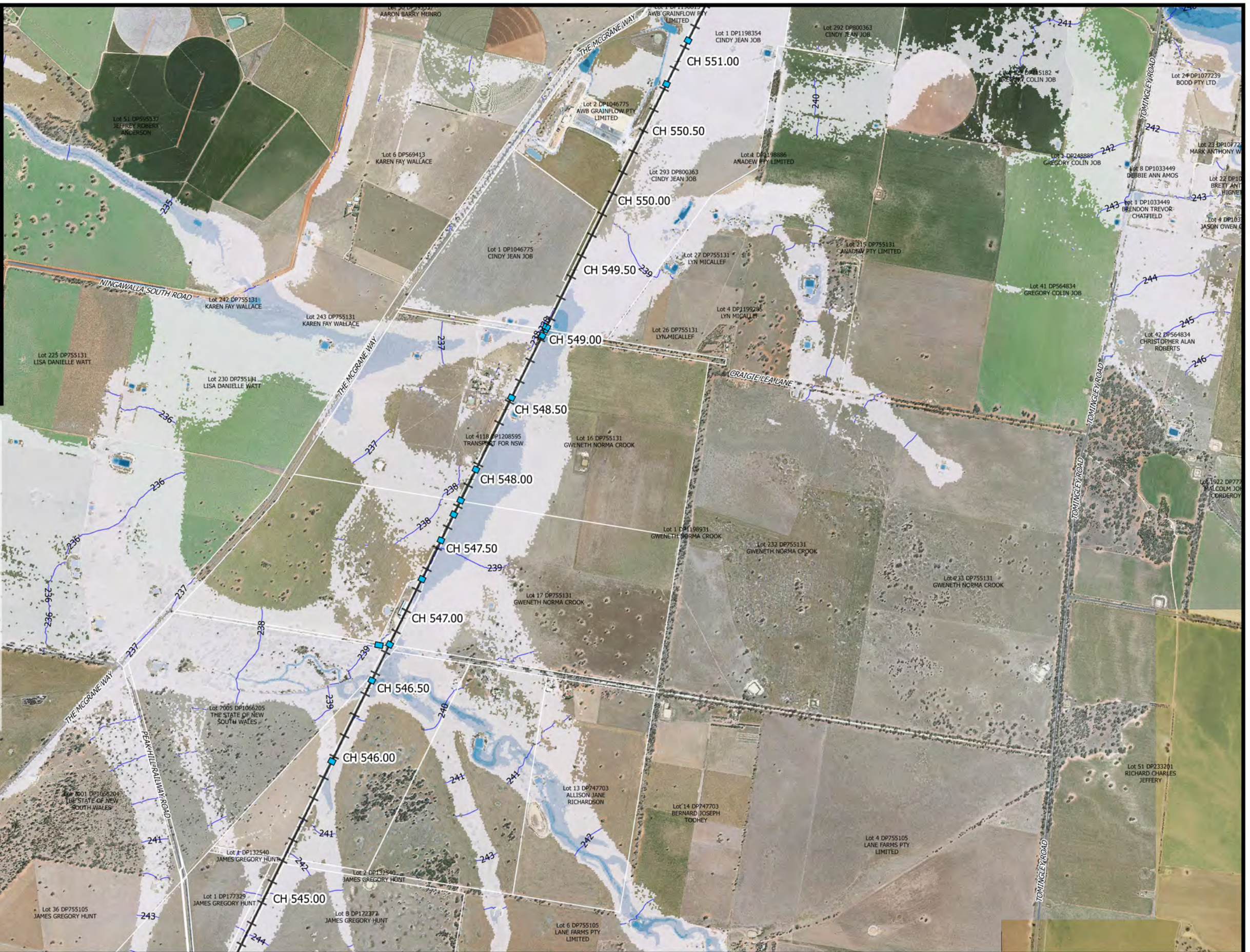




**Legend**

- 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><b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results</p> <p><b>Figure EX10L24</b> 10% AEP Existing Flood Depths and Levels - CH 545.00</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>		<p>Date: 9/7/2018</p>	<p><b>Parkes to Narromine</b> DD100% - Cross Drainage Flood Impact Assessment Results</p>
	<p>Coordinate system: GDA 1994 MGA Zone 55 Scale ratio correct when printed at A3</p>		<p>Rev: A</p>	
<p>Prepared By: WhiteleyD</p>				