

# APPENDIX

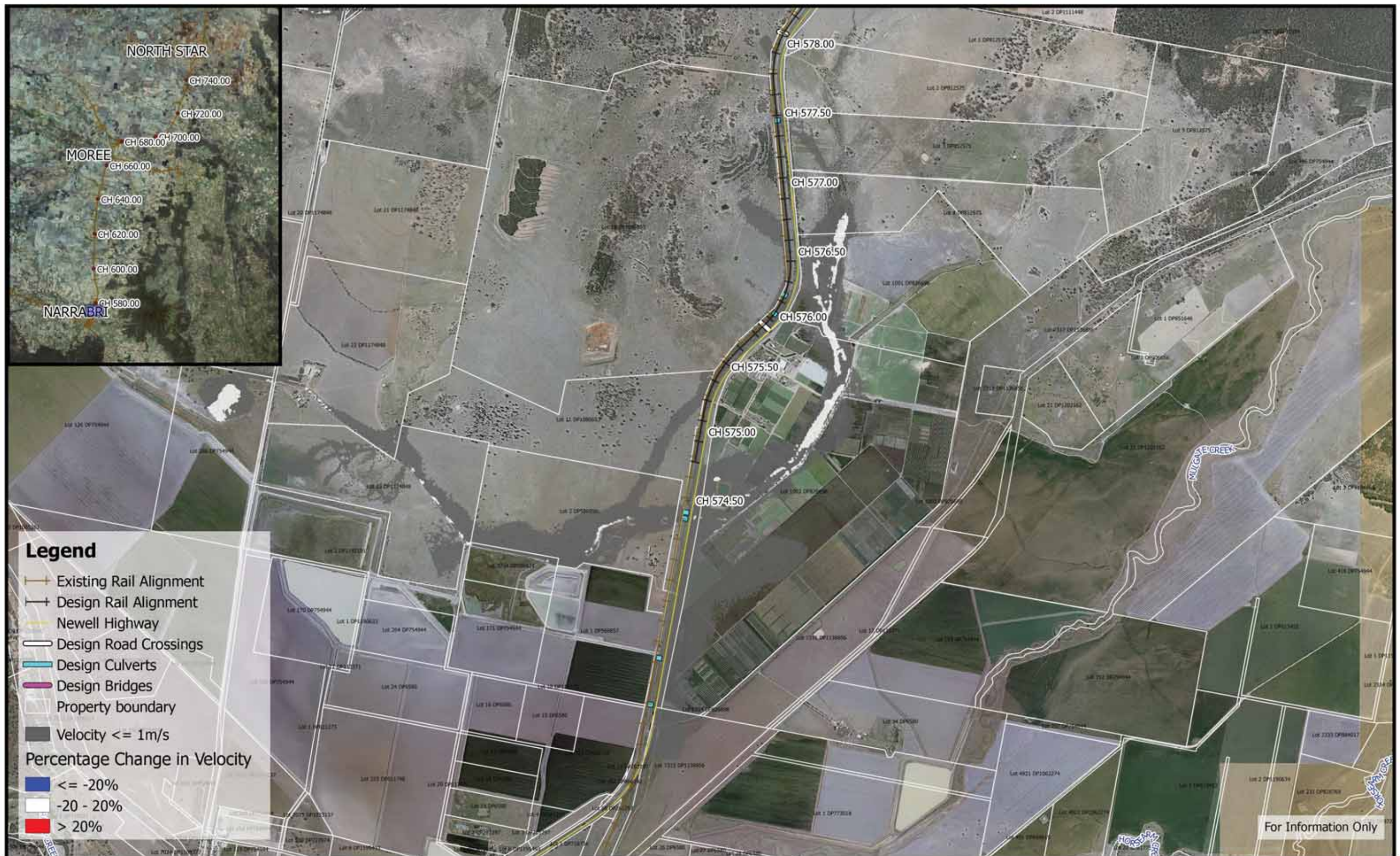
# E

## Flood Study Report

### Attachment C Design Conditions Flood Impact Maps

- ▶ Flood Velocity Change 10% AEP: *Figures DE10VC1 to DE10VC37*
- ▶ Flood Velocity Change 1% AEP: *Figures DE1VC1 to DE1VC37*

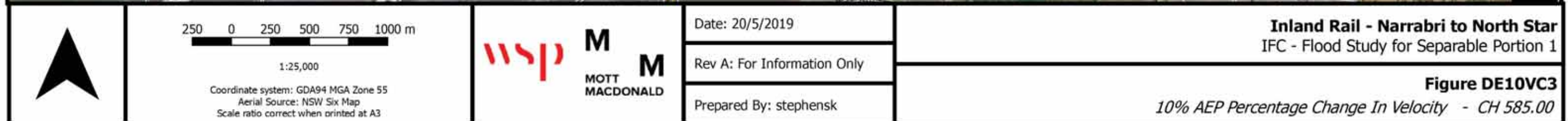




















	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 20/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE10VC5</b> 10% AEP Percentage Change In Velocity - CH 595.00</p>
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**Inland Rail - Narrabri to North Star**  
 IFC - Flood Study for Separable Portion 1

**Figure DE10VC8**  
 10% AEP Percentage Change In Velocity - CH 610.00



















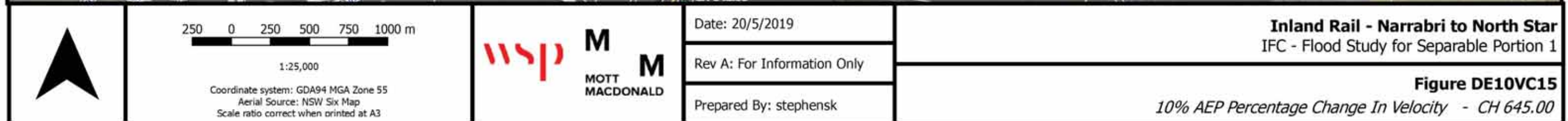






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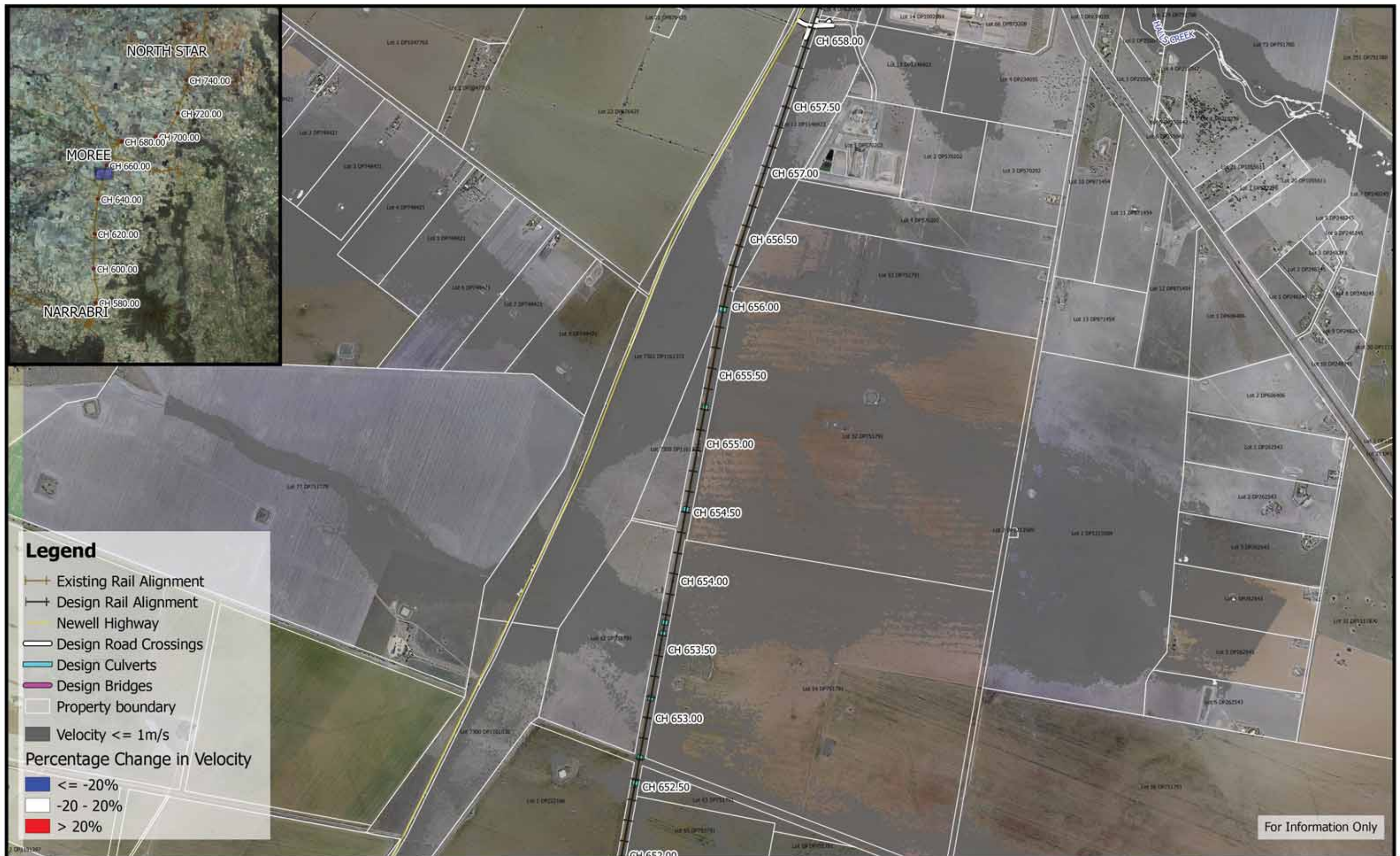










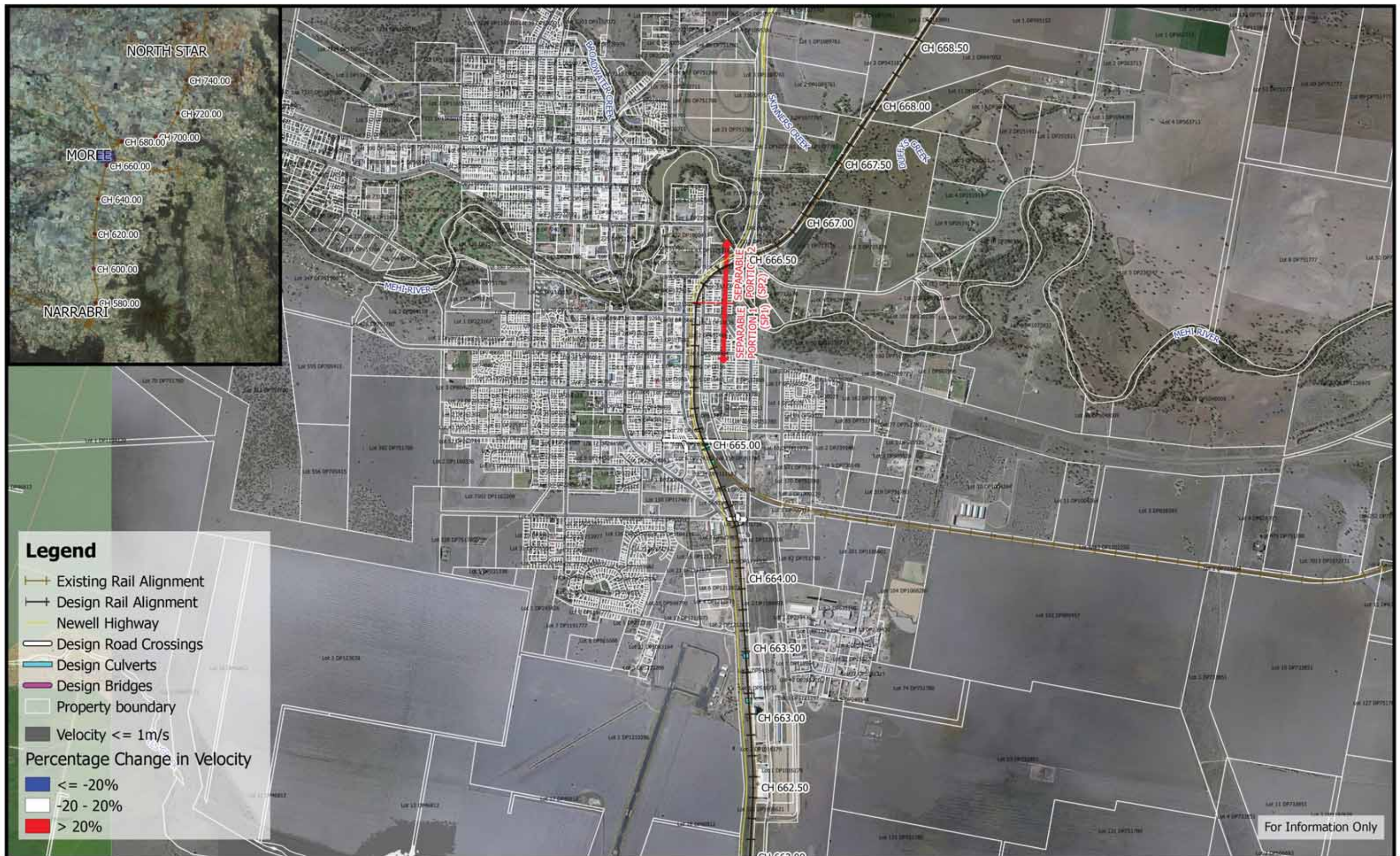


	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 20/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE10VC17</b> 10% AEP Percentage Change In Velocity - CH 655.00</p>
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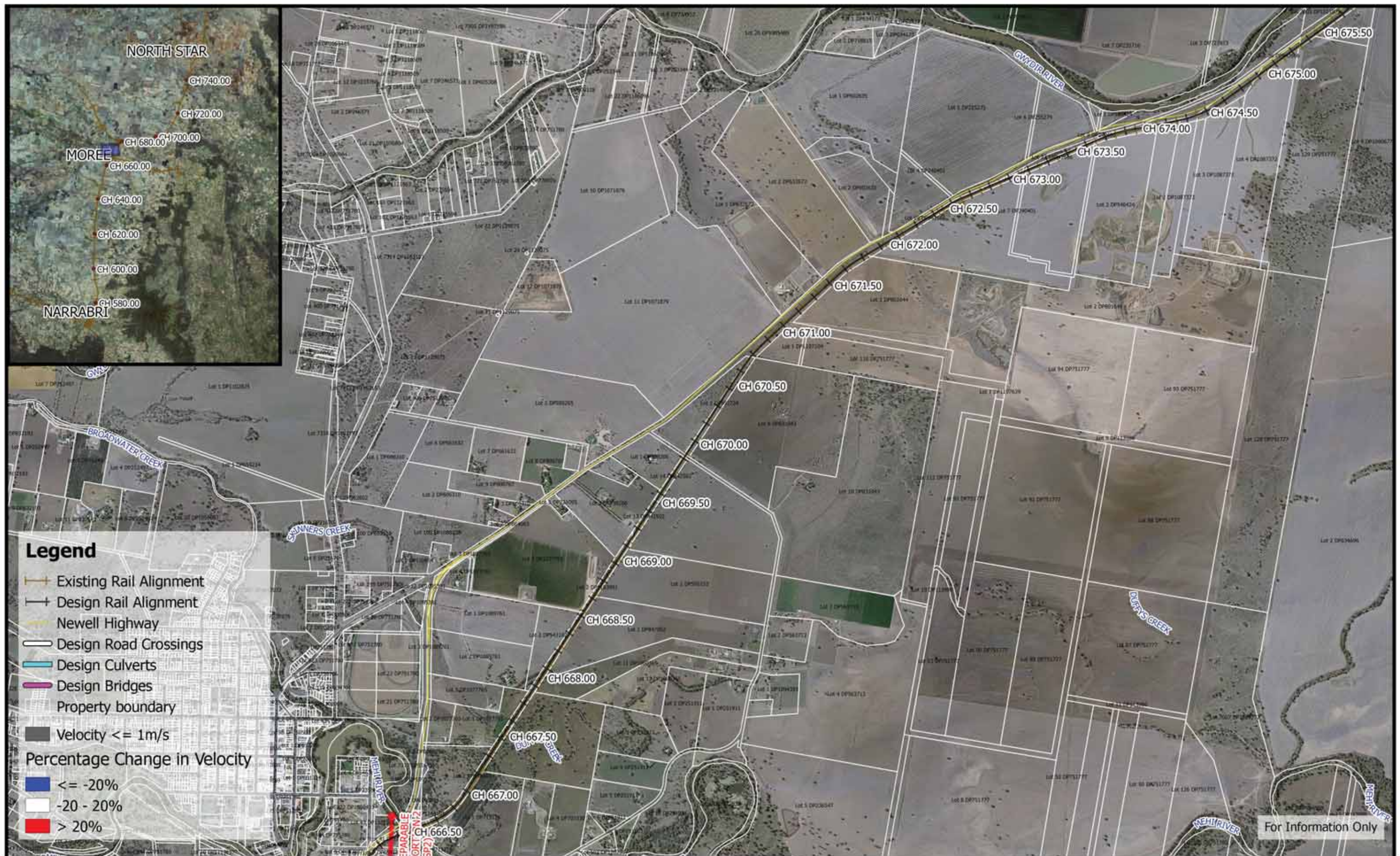








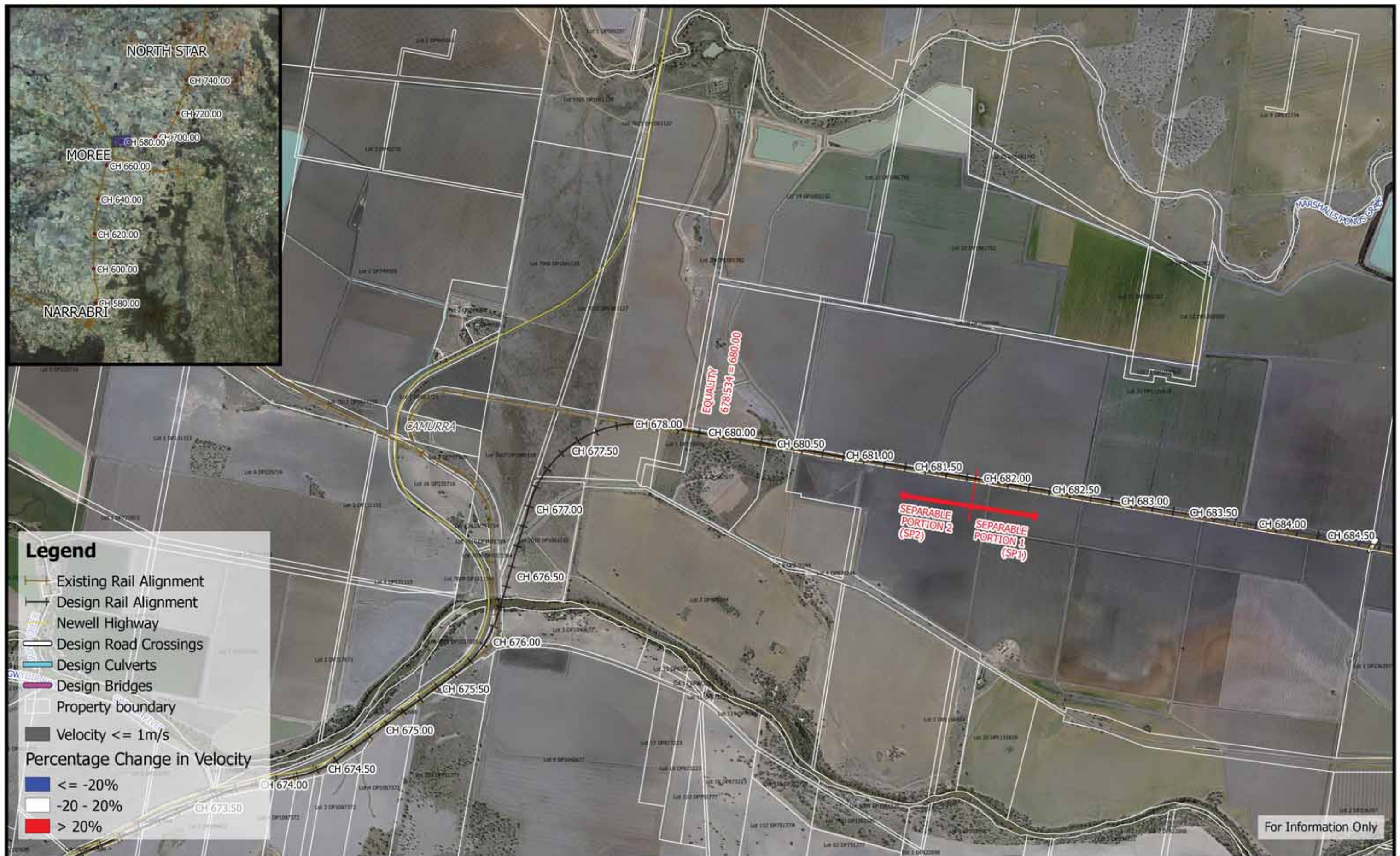






















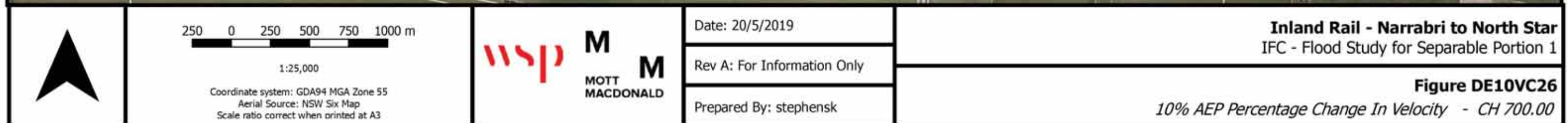
	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 20/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE10VC24</b> 10% AEP Percentage Change In Velocity - CH 690.00</p>
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	<div><div><div>25002505007501000</div><div>m</div></div><div>1:25,000</div><div>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</div></div>		Date: 20/5/2019	<div><div>Inland Rail - Narrabri to North Star</div><div>IFC - Flood Study for Separable Portion 1</div></div>
			Rev A: For Information Only	
			Prepared By: stephensk	<div><div>Figure DE10VC25</div><div>10% AEP Percentage Change In Velocity - CH 695.00</div></div>









	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 20/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> <b>IFC - Flood Study for Separable Portion 1</b></p> <p><b>Figure DE10VC27</b> <b>10% AEP Percentage Change In Velocity - CH 705.00</b></p>
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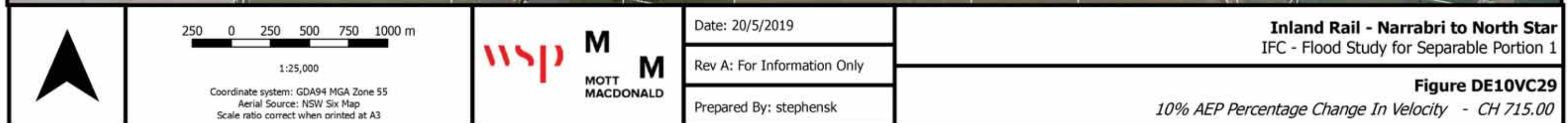




**Inland Rail - Narrabri to North Star**  
 IFC - Flood Study for Separable Portion 1

**Figure DE10VC28**  
 10% AEP Percentage Change In Velocity - CH 710.00



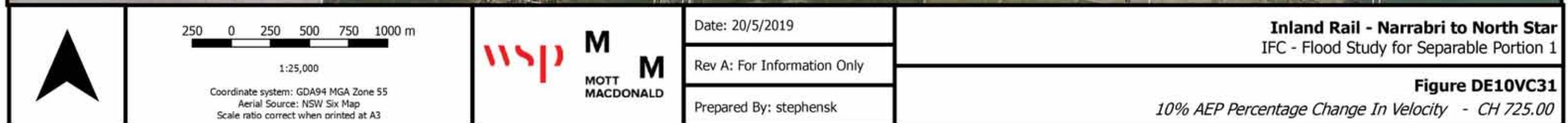






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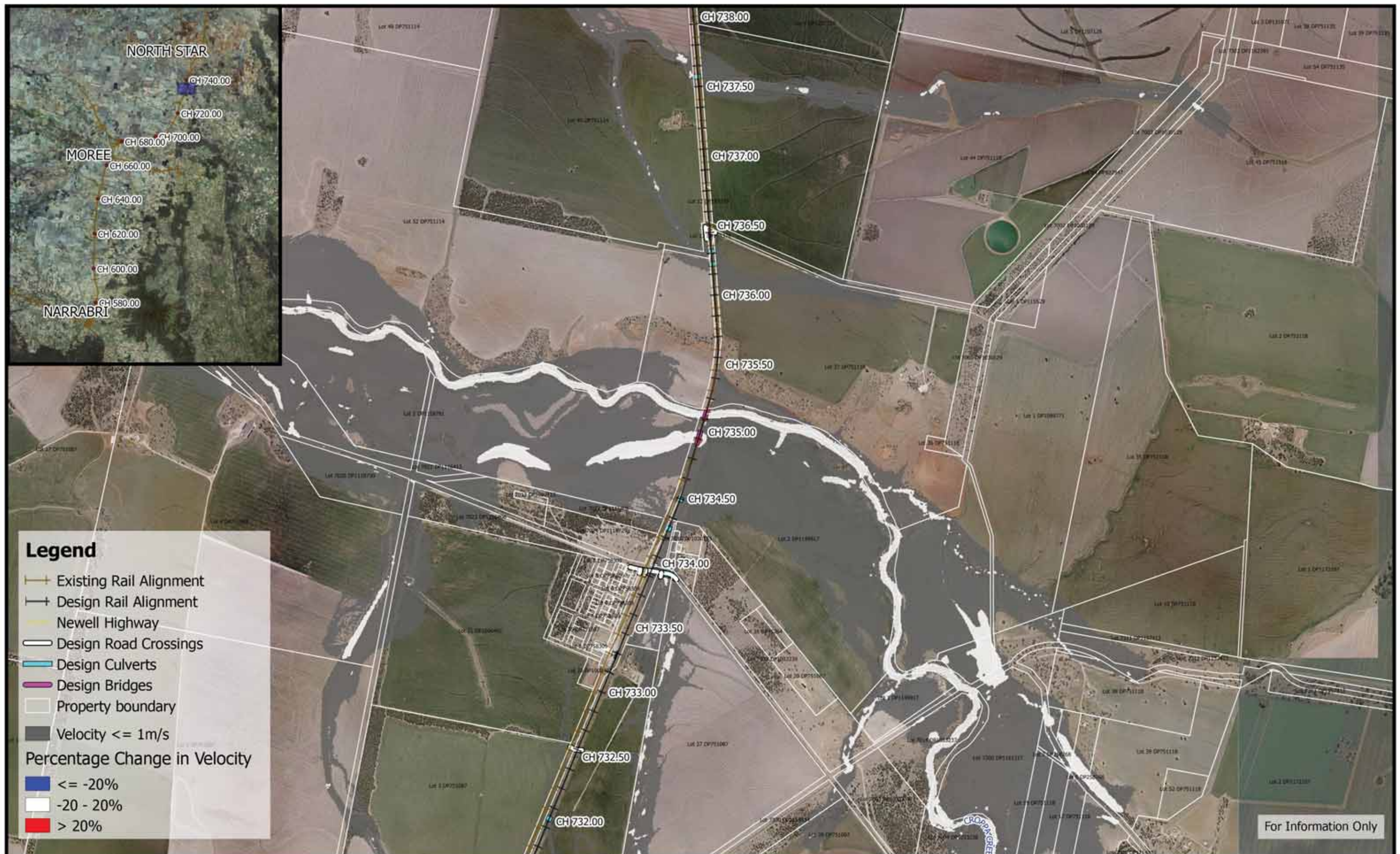






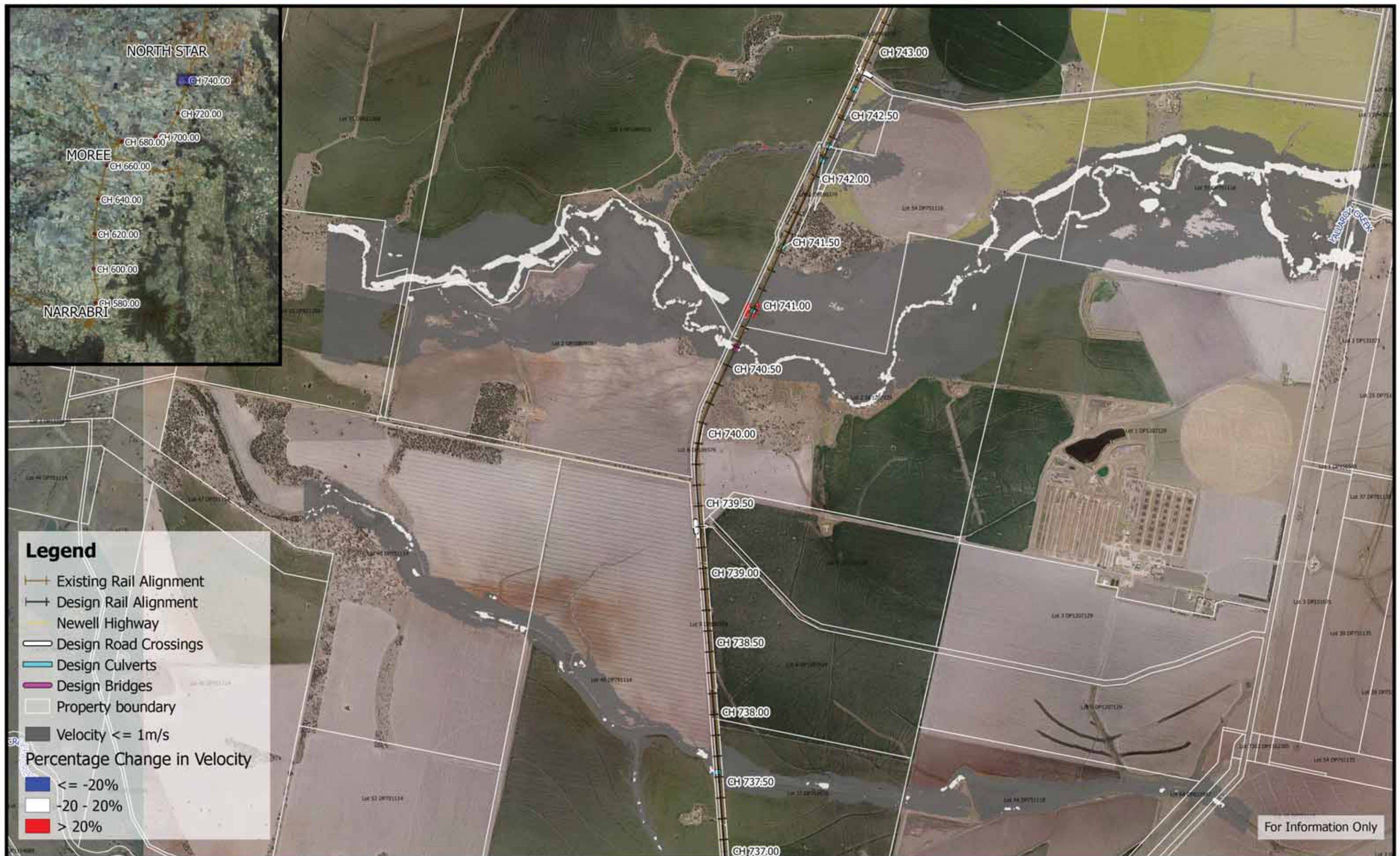




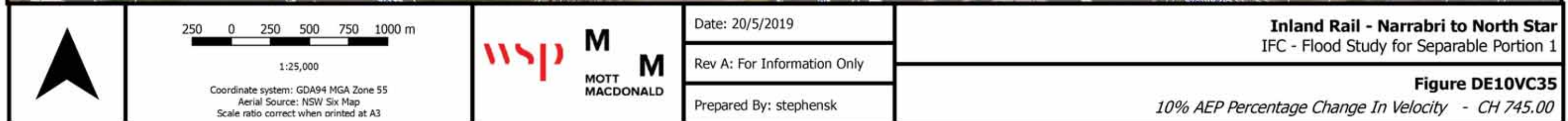


	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 20/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE10VC33</b> 10% AEP Percentage Change In Velocity - CH 735.00</p>
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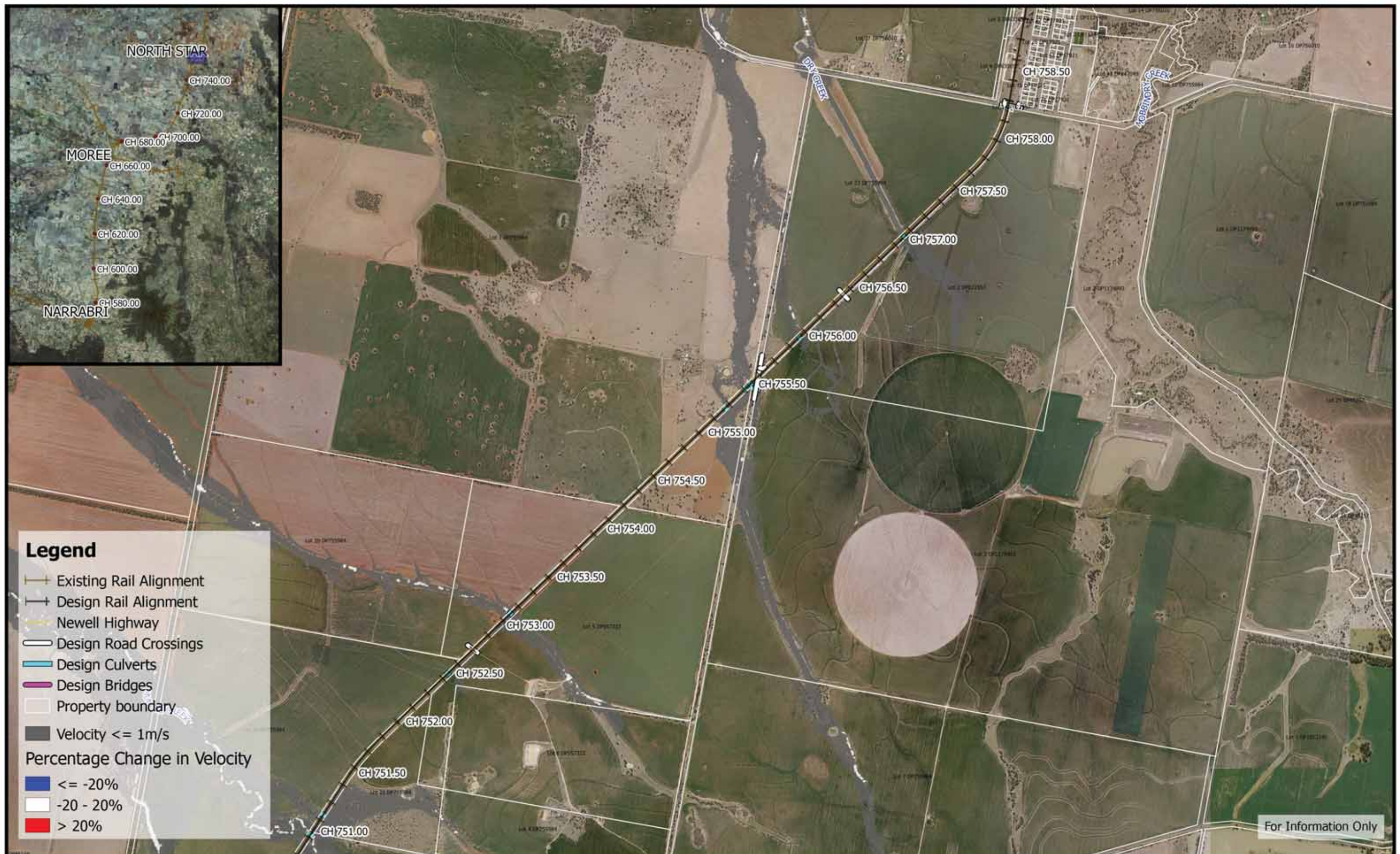












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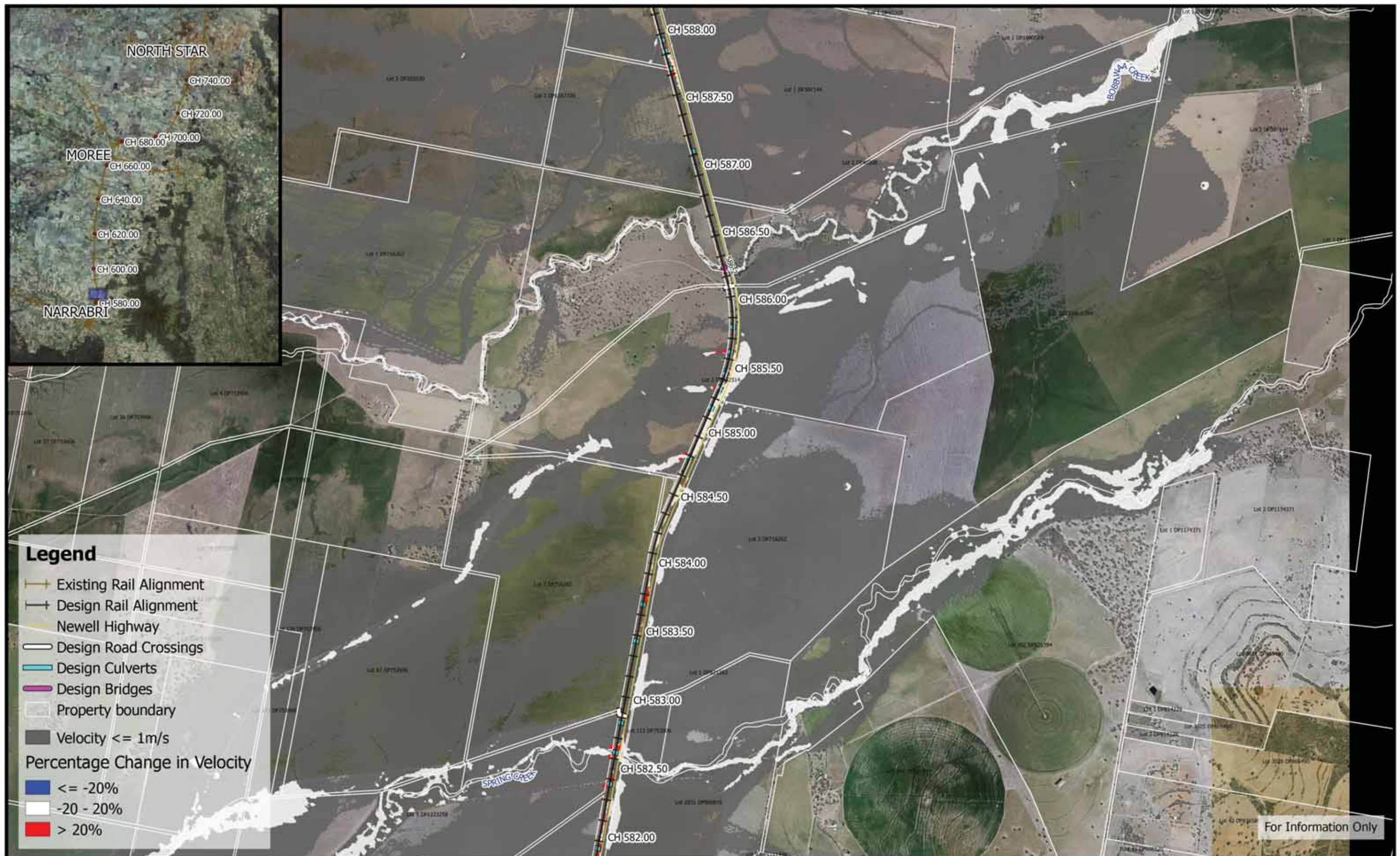


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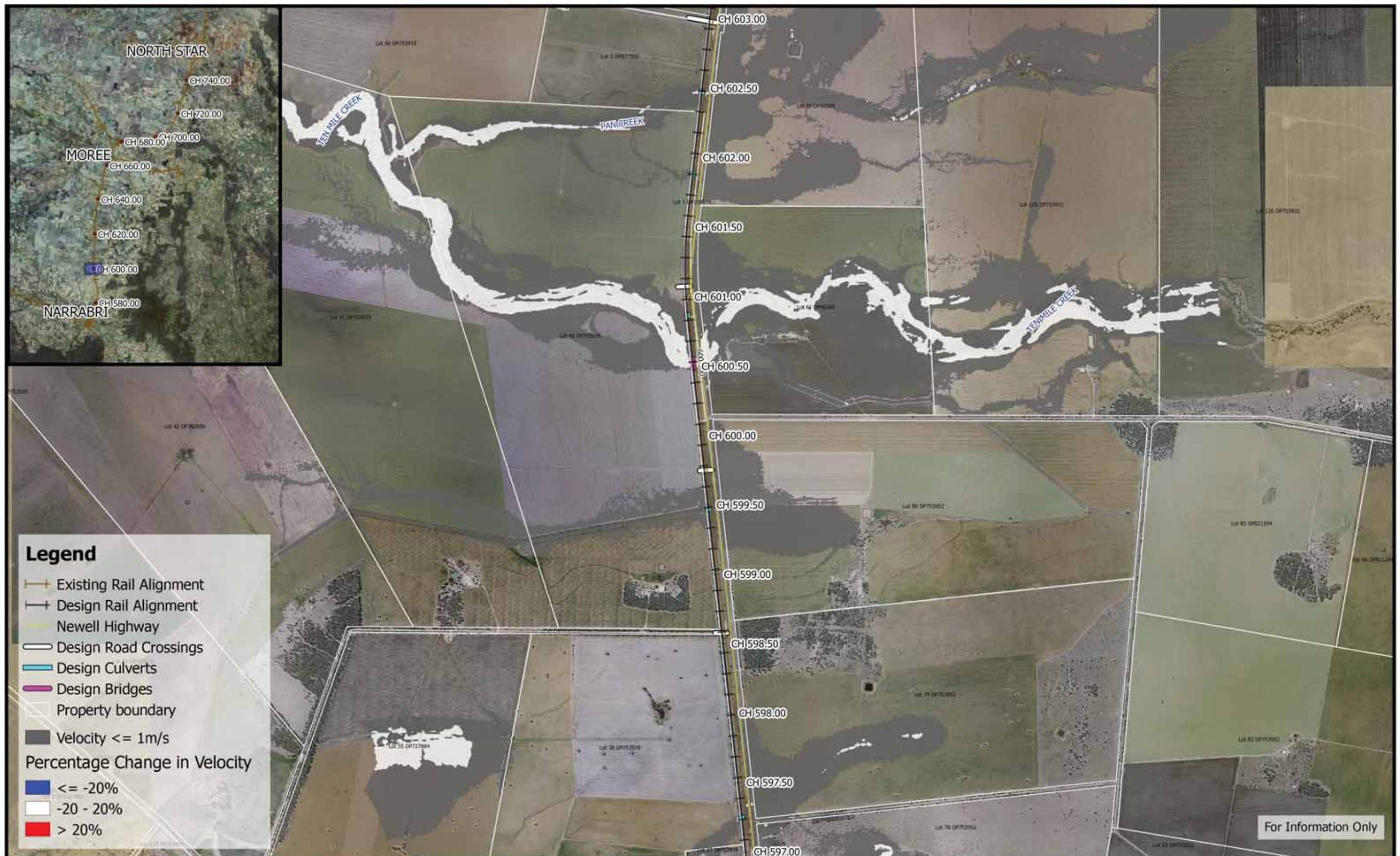
























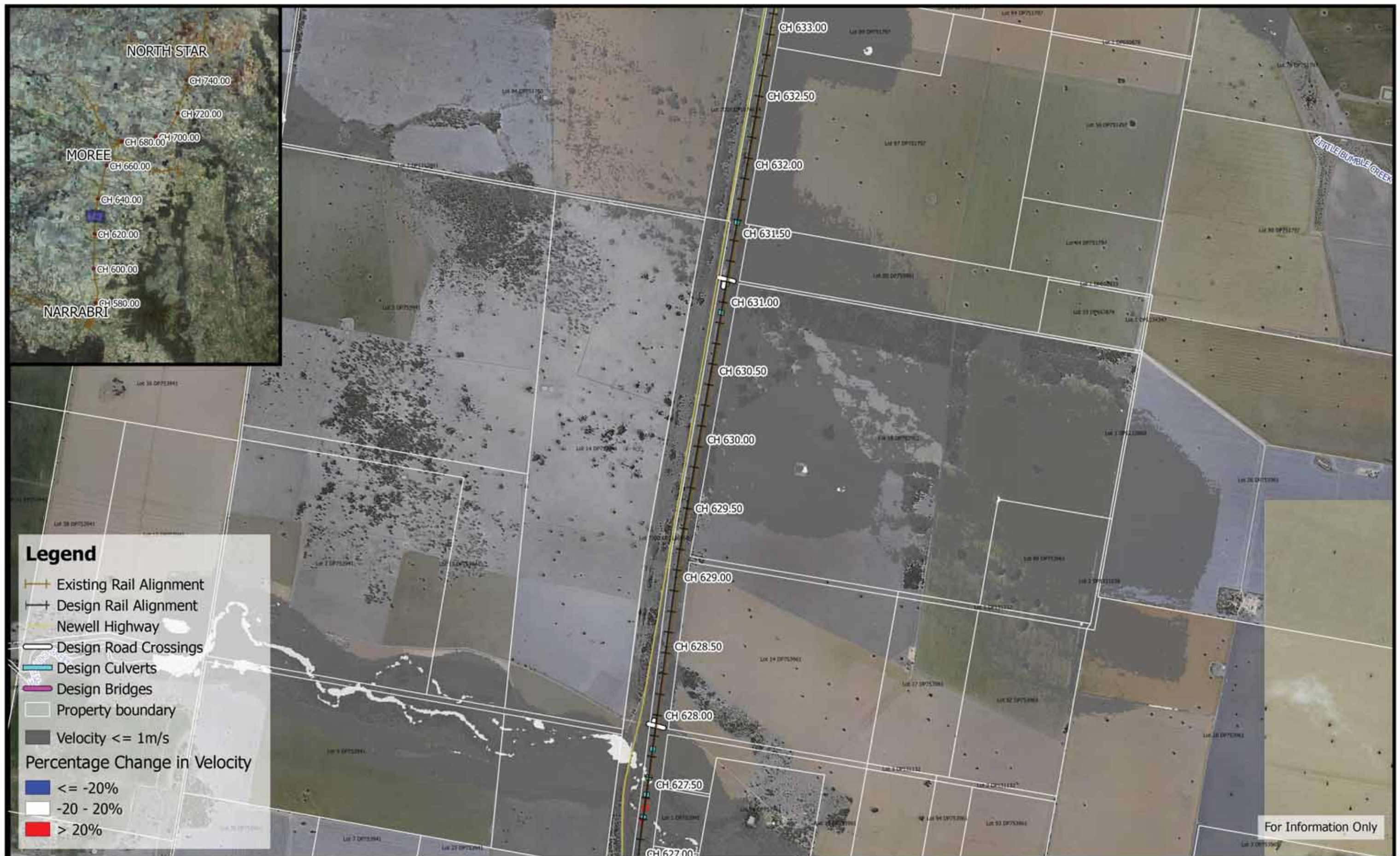














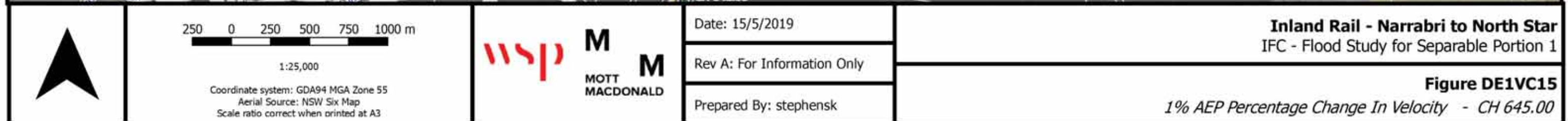
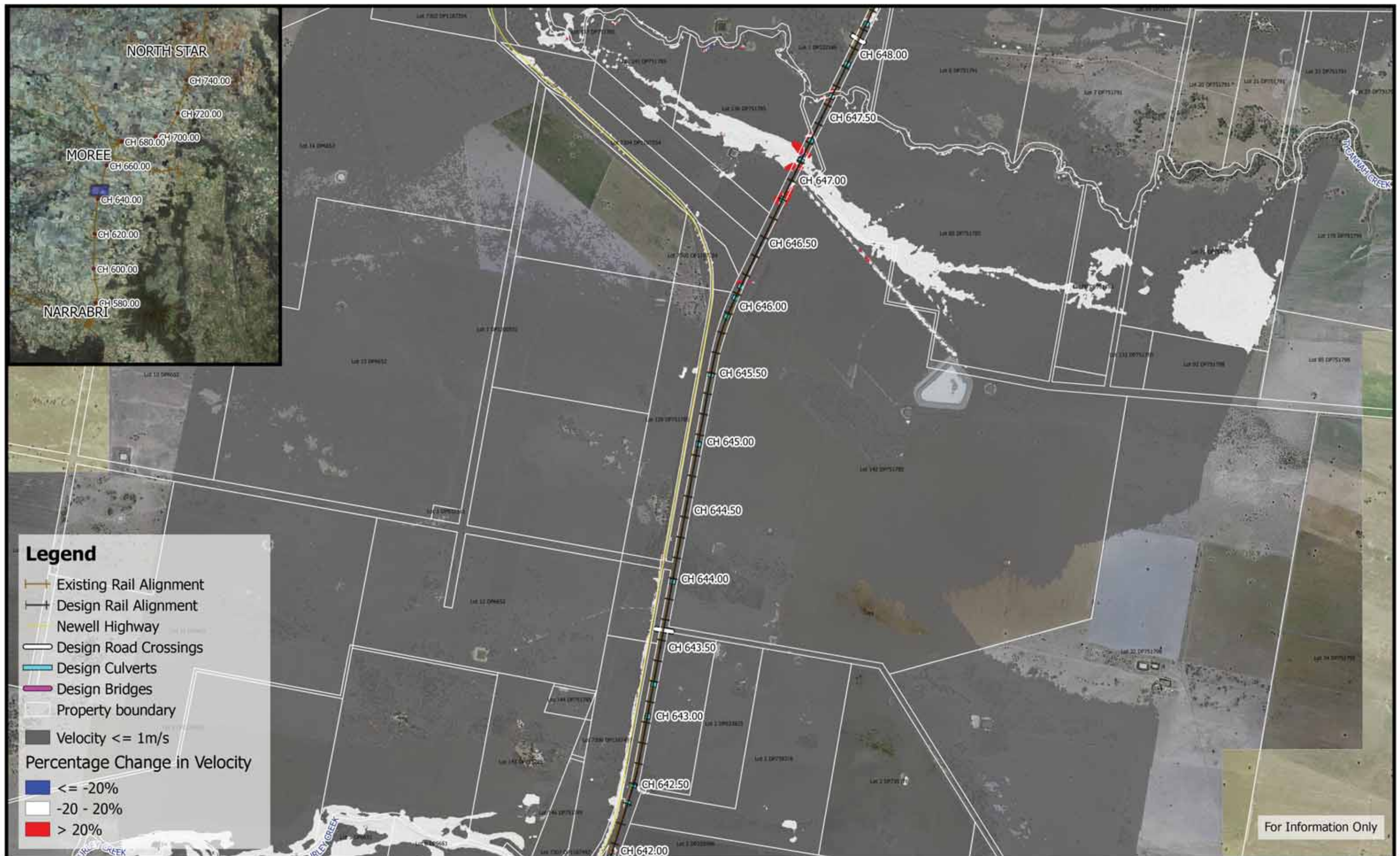


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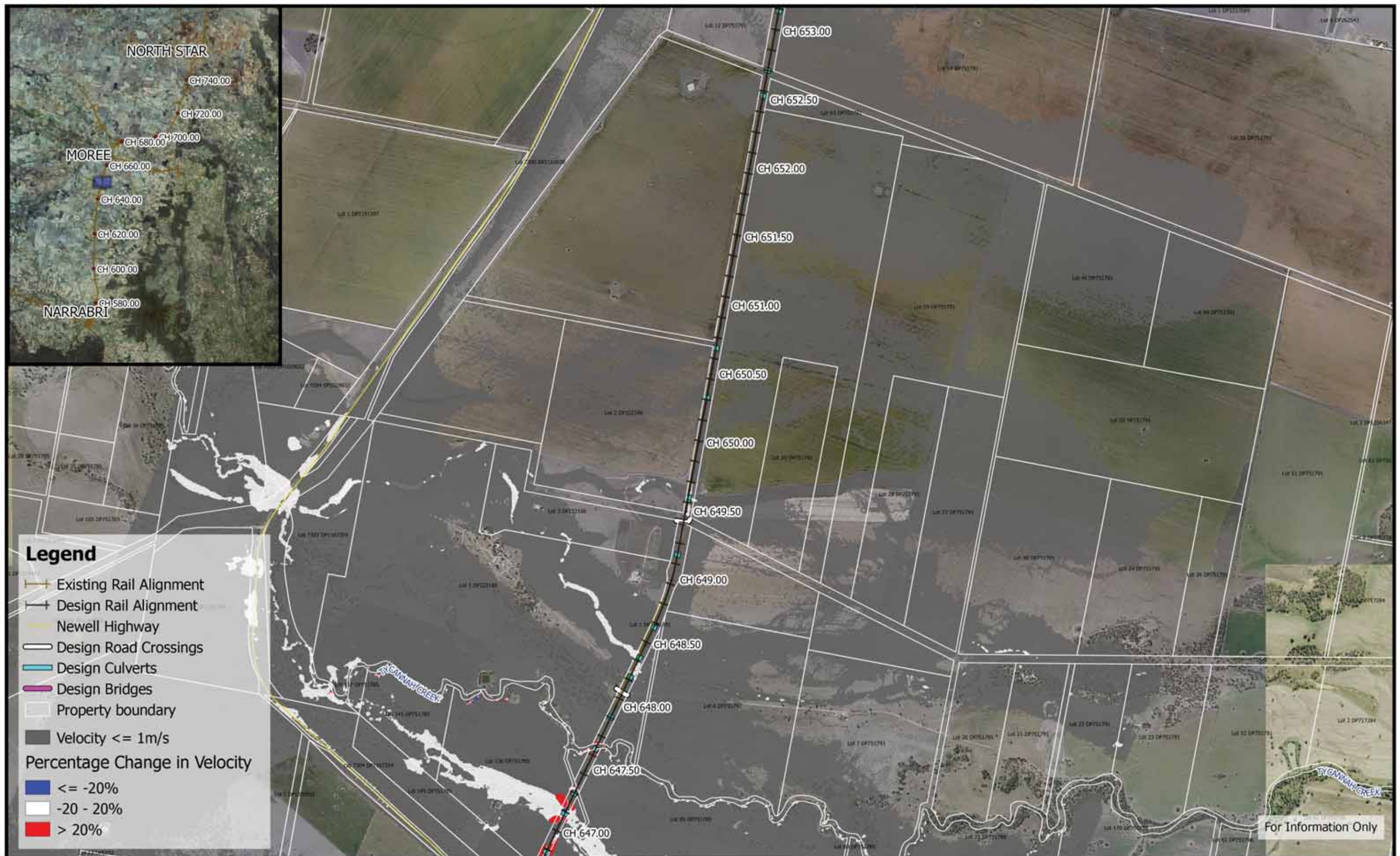








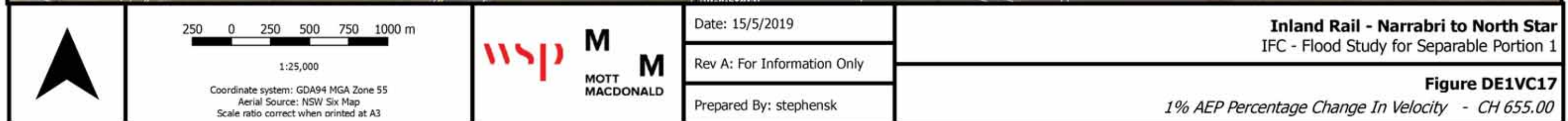
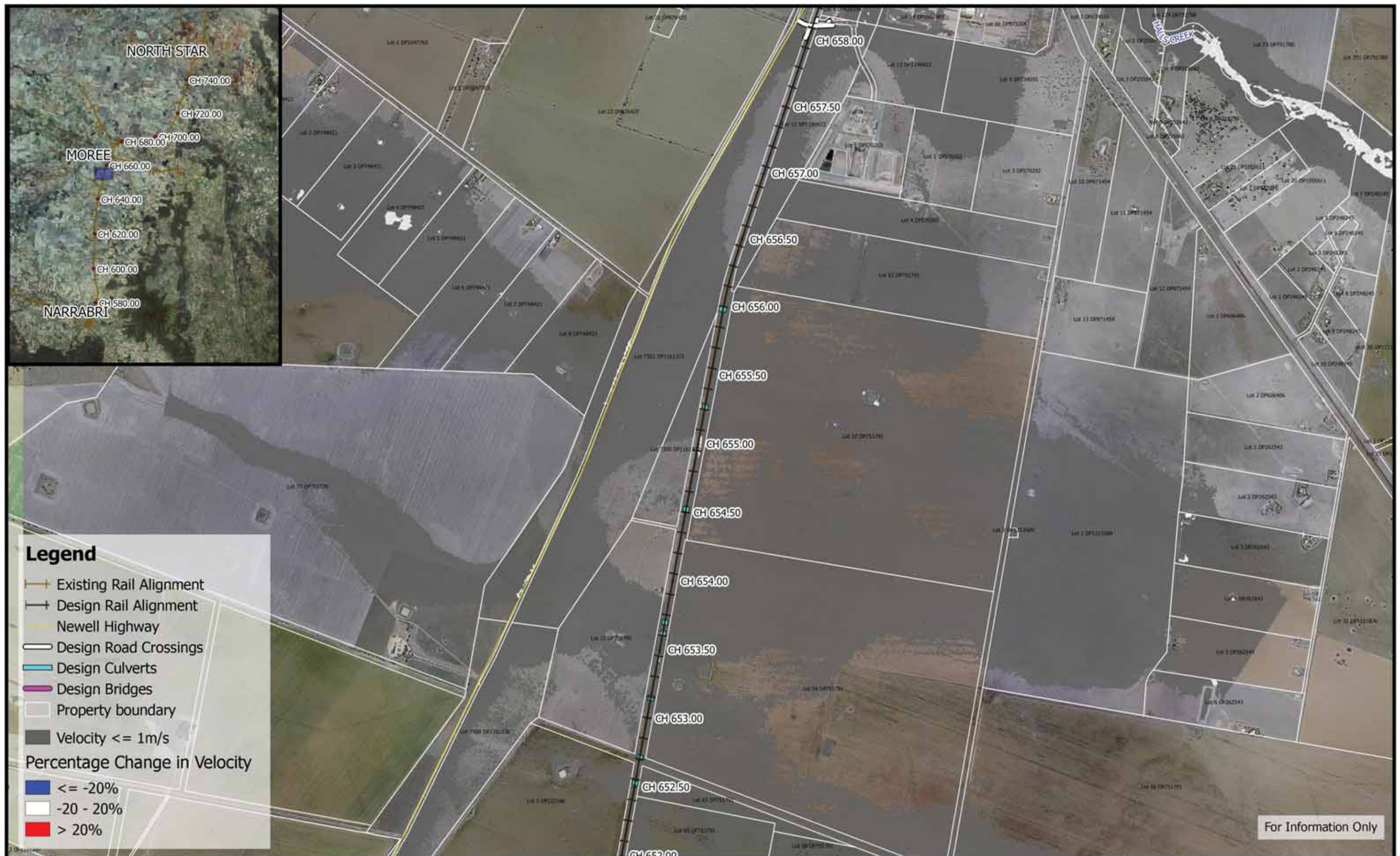




**Inland Rail - Narrabri to North Star**  
 IFC - Flood Study for Separable Portion 1

**Figure DE1VC16**  
 1% AEP Percentage Change In Velocity - CH 650.00

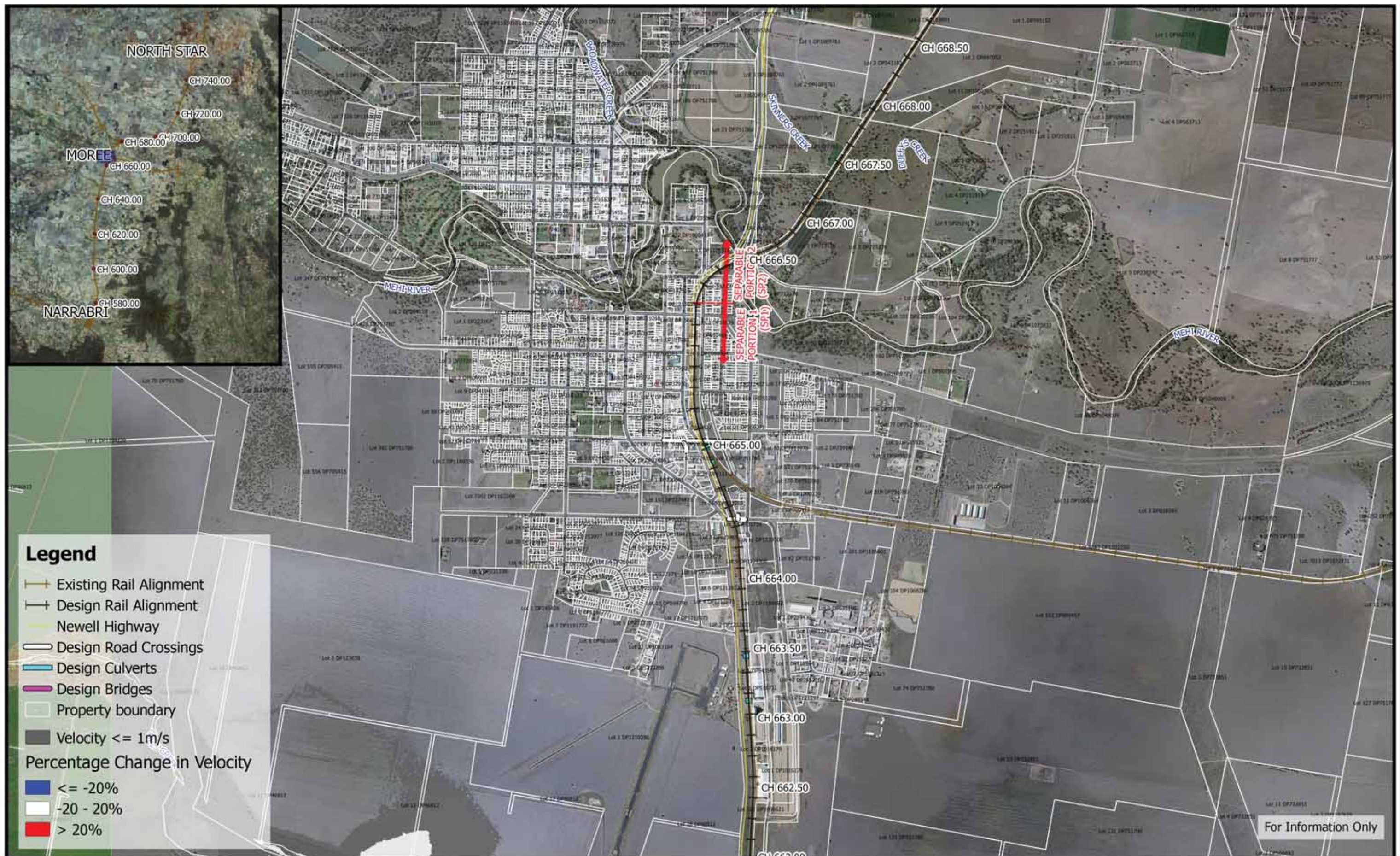




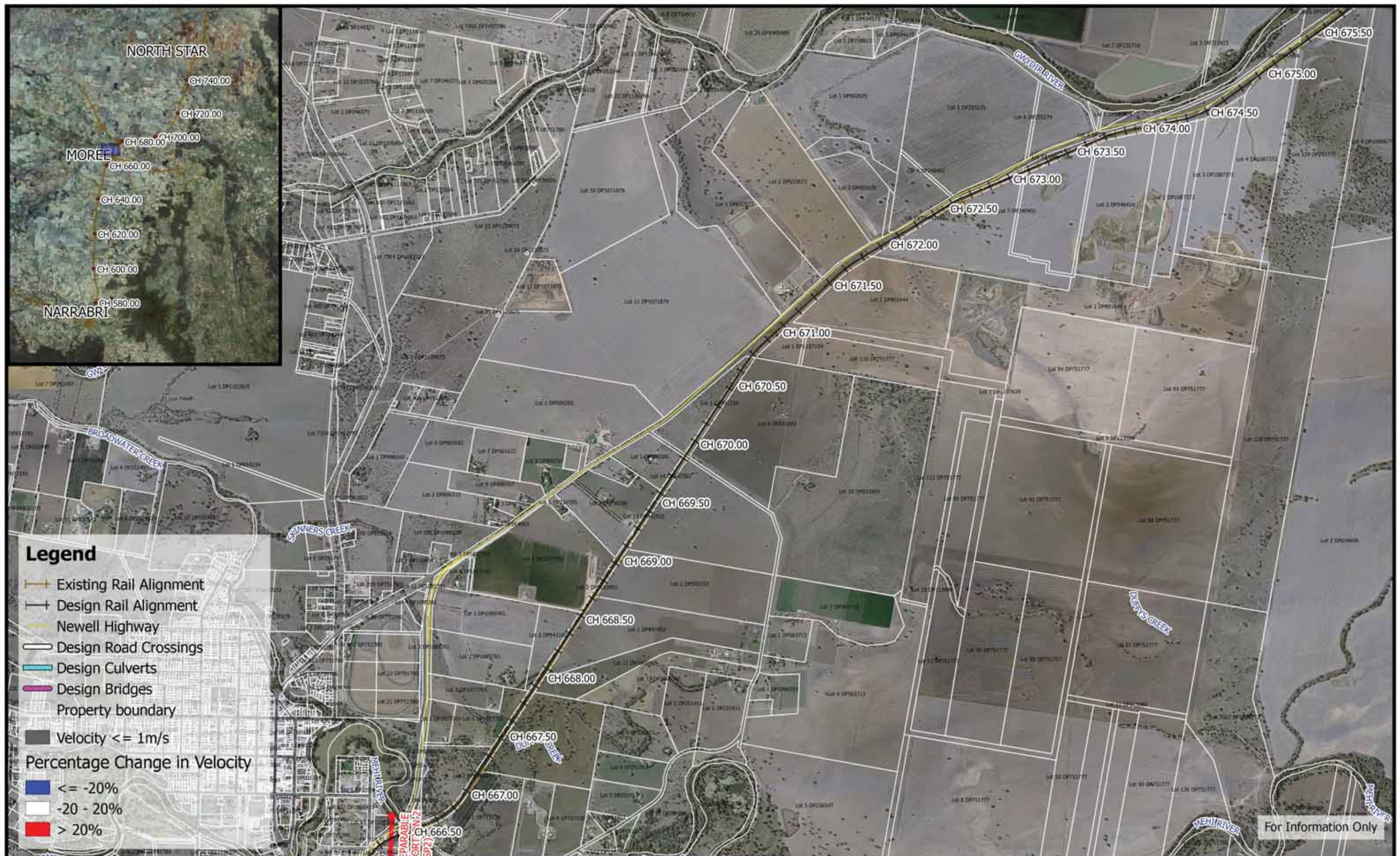










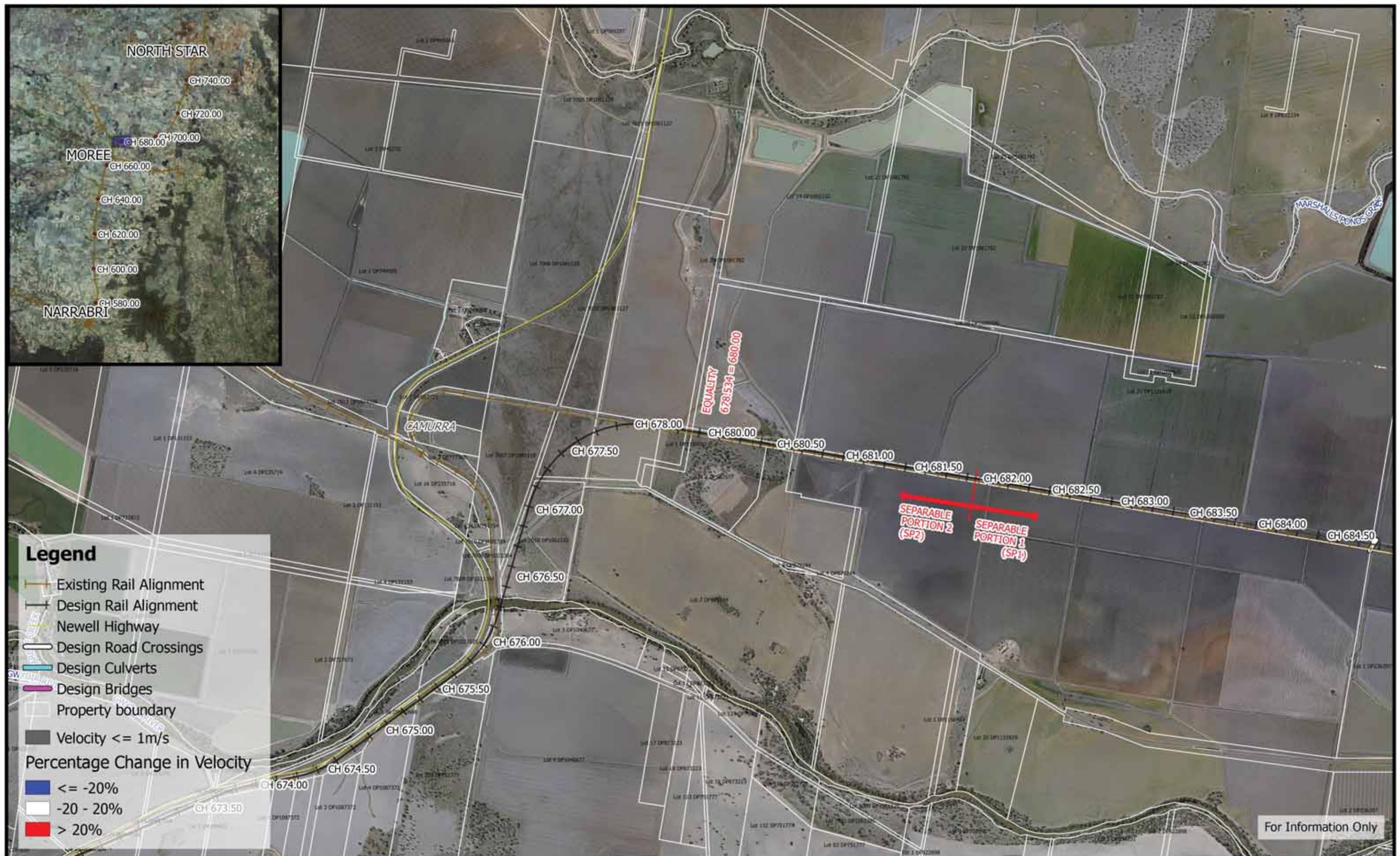


	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 15/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> <b>IFC - Flood Study for Separable Portion 1</b></p> <p><b>Figure DE1VC20</b> <b>1% AEP Percentage Change In Velocity - CH 670.00</b></p>
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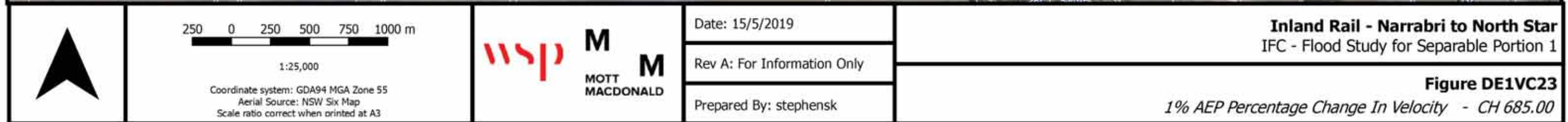














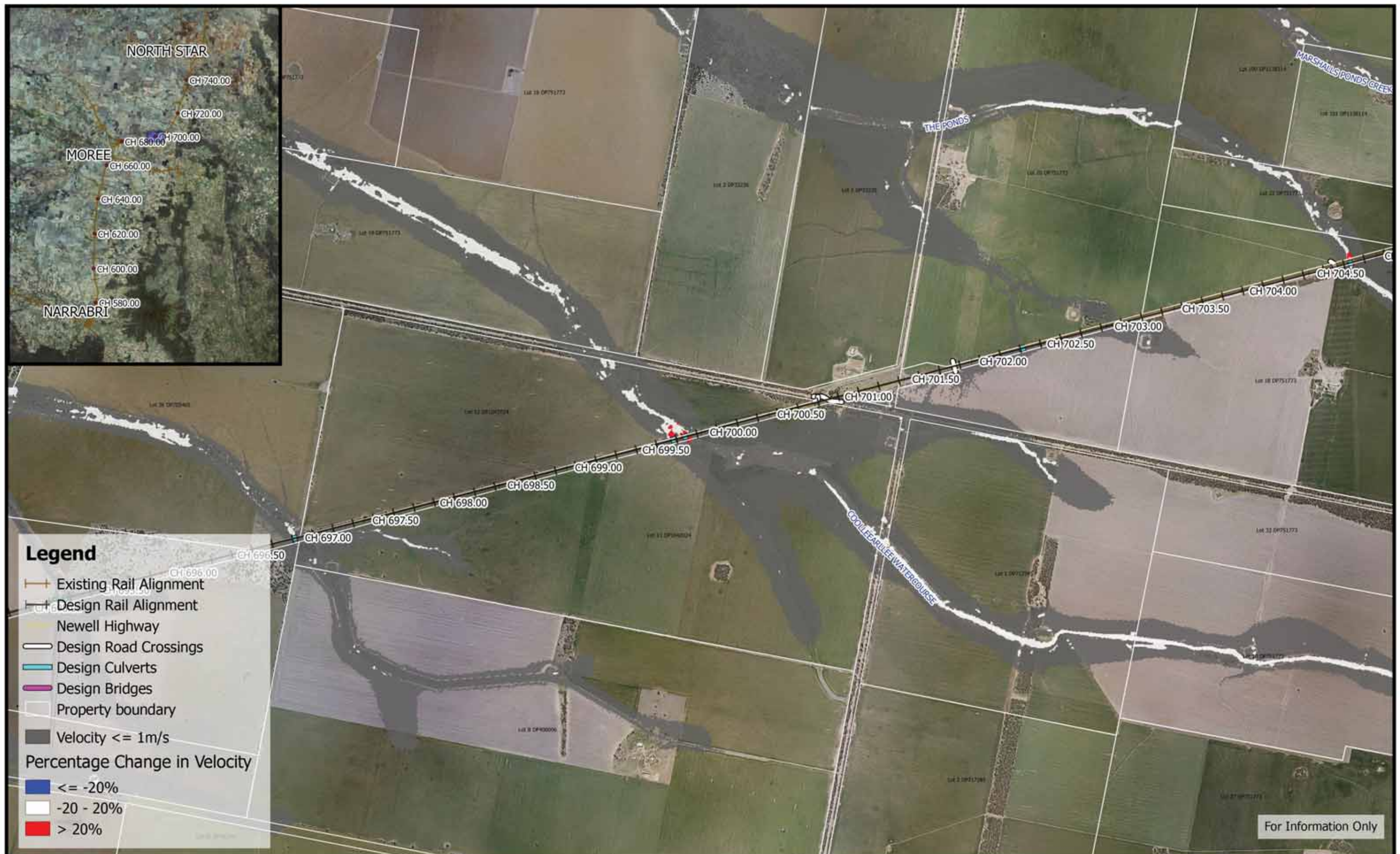






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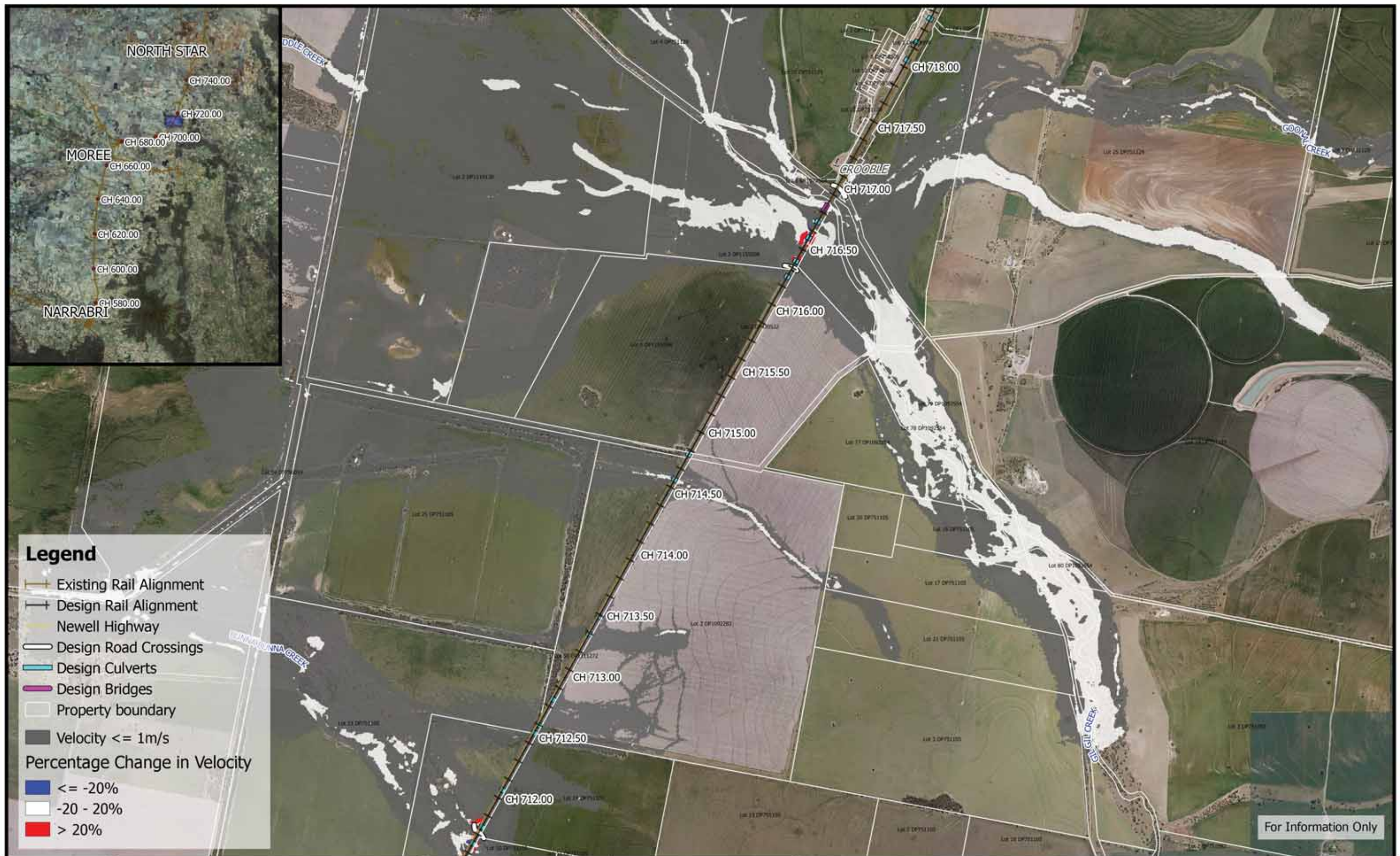




**Inland Rail - Narrabri to North Star**  
 IFC - Flood Study for Separable Portion 1

**Figure DE1VC28**  
 1% AEP Percentage Change In Velocity - CH 710.00





	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 15/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE1VC29</b> 1% AEP Percentage Change In Velocity - CH 715.00</p>
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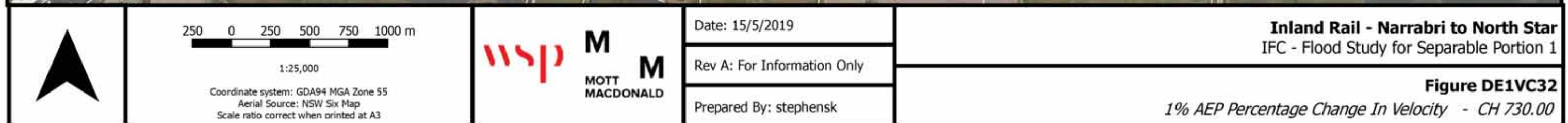
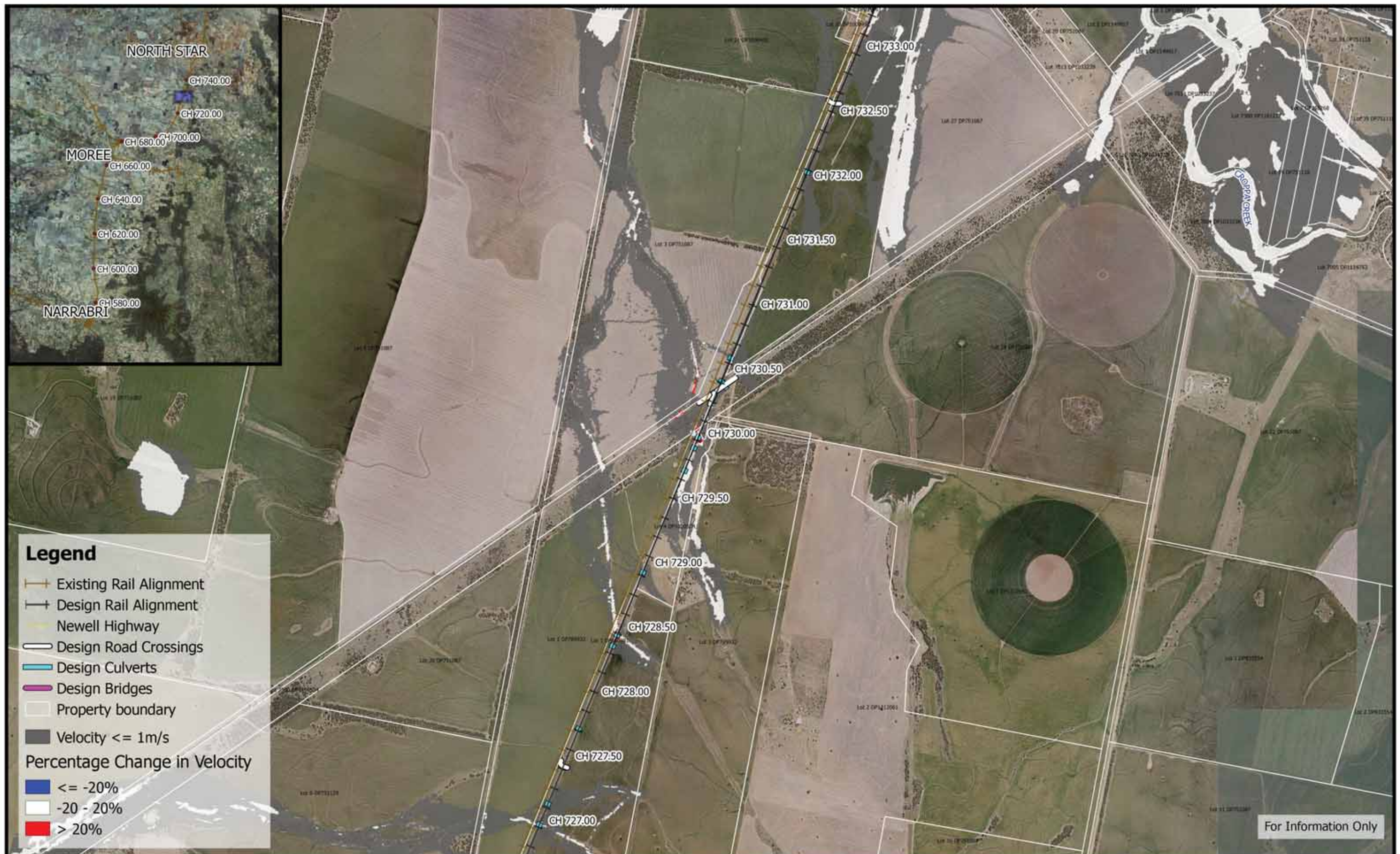






	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>		<p>Date: 15/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> IFC - Flood Study for Separable Portion 1</p> <p><b>Figure DE1VC31</b> <i>1% AEP Percentage Change In Velocity - CH 725.00</i></p>
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250 0 250 500 750 1000 m

1:25,000

Coordinate system: GDA94 MGA Zone 55  
Aerial Source: NSW Six Map  
Scale ratio correct when printed at A3



Date: 15/5/2019

Rev A: For Information Only

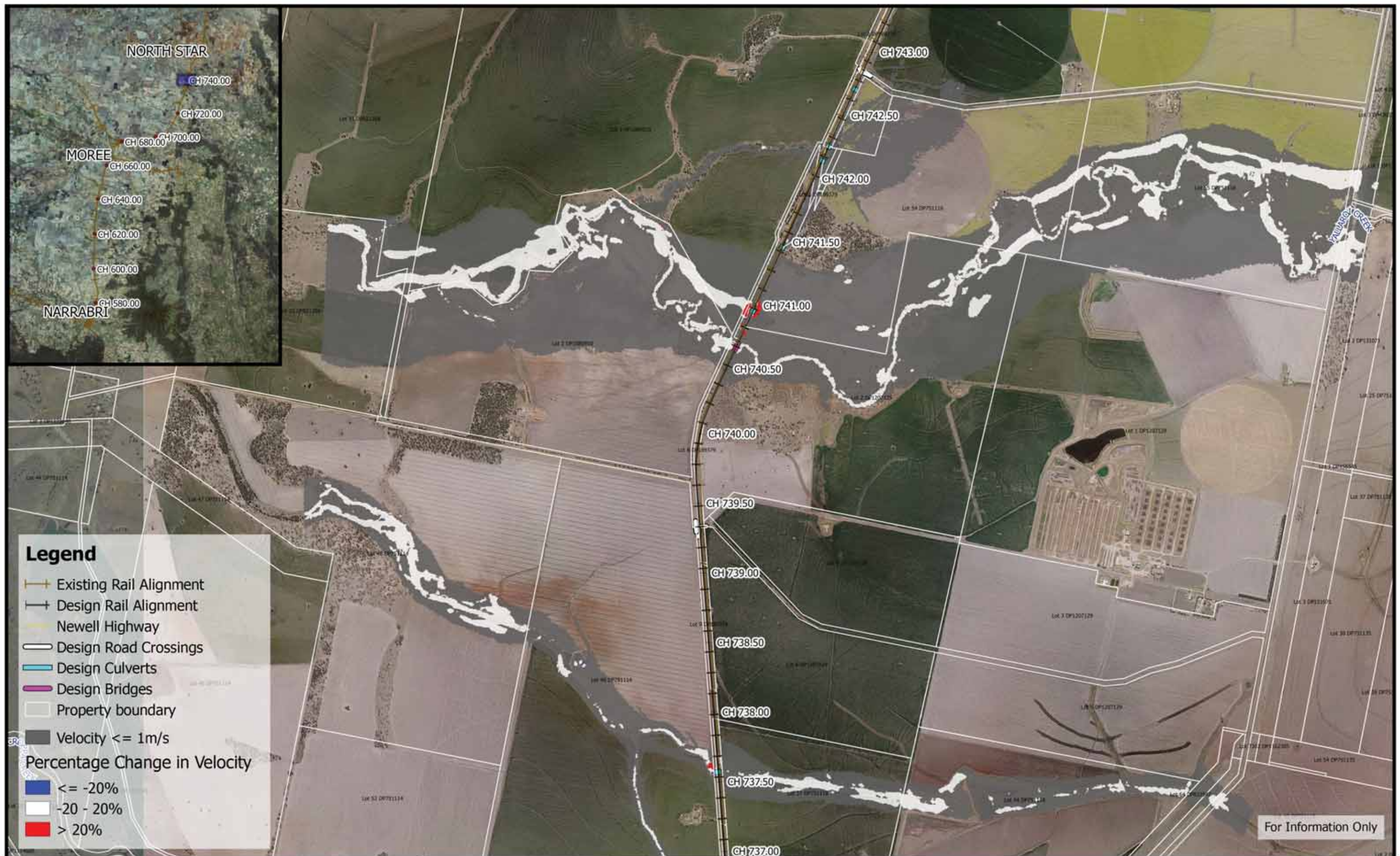
Prepared By: stephensk

**Inland Rail - Narrabri to North Star**  
IFC - Flood Study for Separable Portion 1

**Figure DE1VC33**

1% AEP Percentage Change In Velocity - CH 735.00







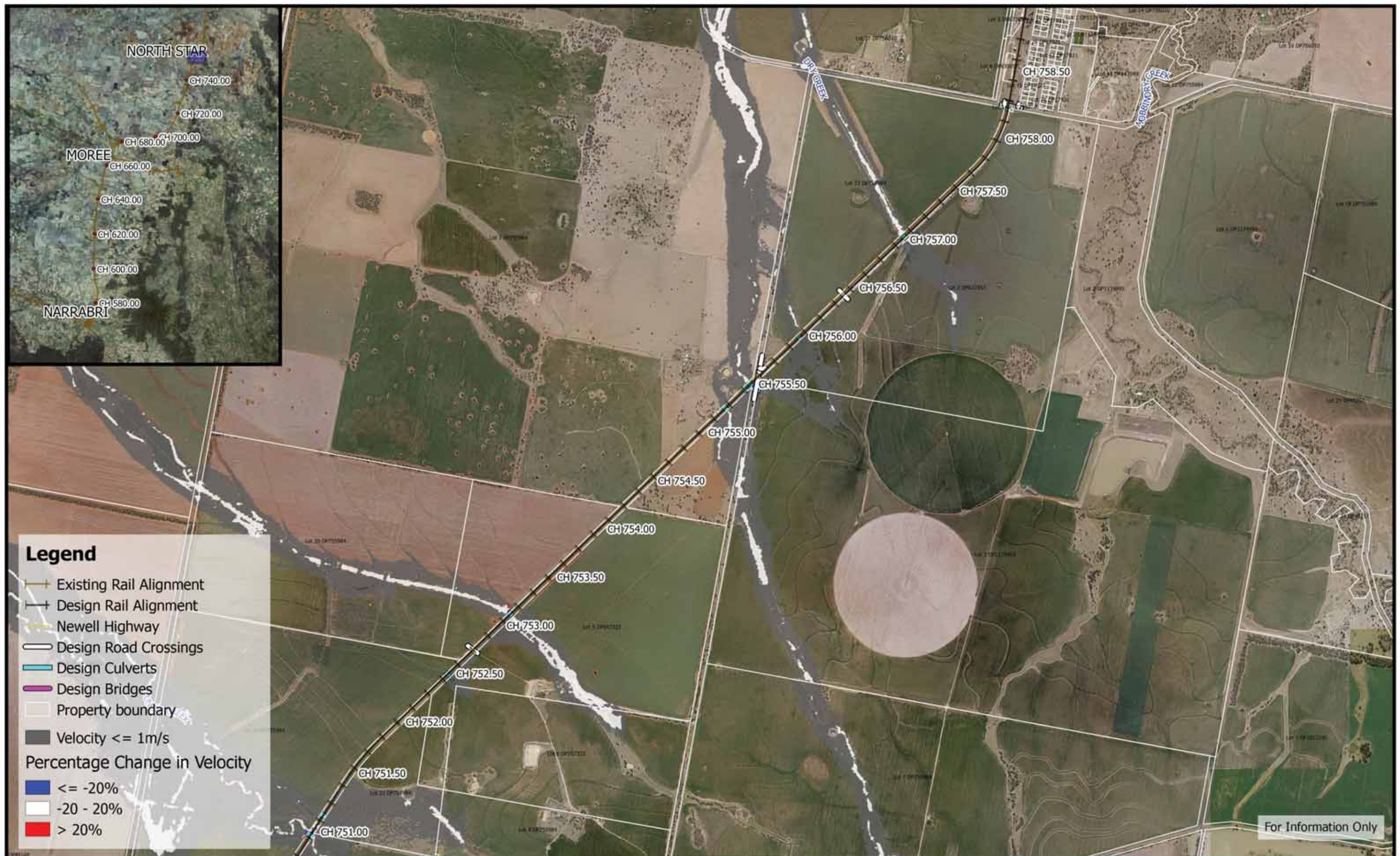


	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 15/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> <b>IFC - Flood Study for Separable Portion 1</b></p> <p><b>Figure DE1VC35</b> <b>1% AEP Percentage Change In Velocity - CH 745.00</b></p>
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	<p>250 0 250 500 750 1000 m</p> <p>1:25,000</p> <p>Coordinate system: GDA94 MGA Zone 55 Aerial Source: NSW Six Map Scale ratio correct when printed at A3</p>	<p><b>wsp</b> <b>M</b> <b>M</b></p> <p><b>MOTT</b> <b>MACDONALD</b></p>	<p>Date: 15/5/2019</p> <p>Rev A: For Information Only</p> <p>Prepared By: stephensk</p>	<p><b>Inland Rail - Narrabri to North Star</b> <b>IFC - Flood Study for Separable Portion 1</b></p> <p><b>Figure DE1VC37</b> <b>1% AEP Percentage Change In Velocity - CH 755.00</b></p>
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