

## Appendix E - Post-Development minus Pre-Development Flood Depth maps

Figure 27 Post-Development minus Pre-Development Flood Depth 5% AEP (1 in 20 year) 1-Hour duration

Figure 28 Post-Development minus Pre-Development Flood Depth 5% AEP (1 in 20 year) 3-Hour duration

Figure 29 Post-Development minus Pre-Development Flood Depth 5% AEP (1 in 20 year) 4.5-Hour duration

Figure 30 Post-Development minus Pre-Development Flood Depth 5% AEP (1 in 20 year) 6-Hour duration

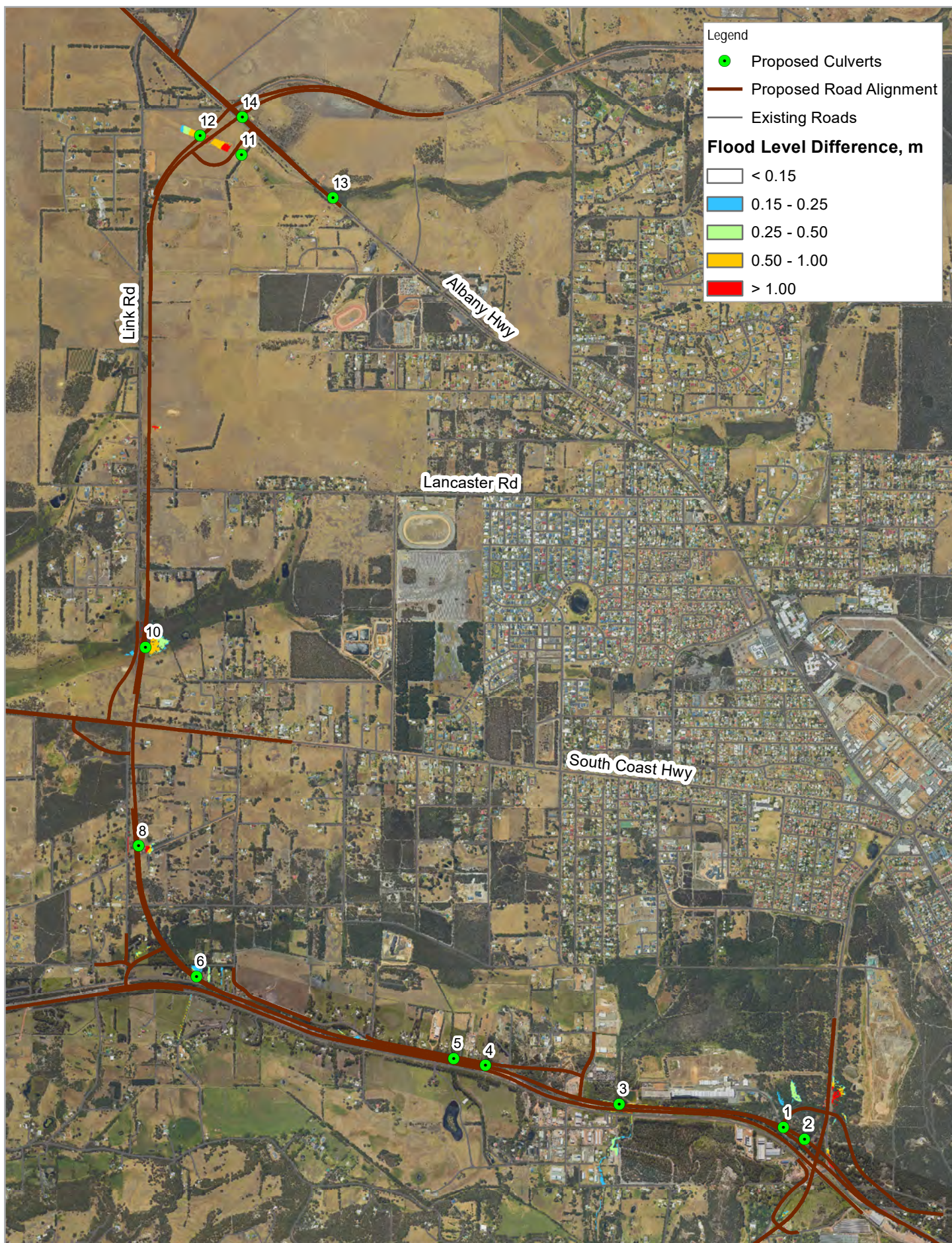
Figure 31 Post-Development minus Pre-Development Flood Depth 1% AEP (1 in 100 year) 1-Hour duration

Figure 32 Post-Development minus Pre-Development Flood Depth 1% AEP (1 in 100 year) 3-Hour duration

Figure 33 Post-Development minus Pre-Development Flood Depth 1% AEP (1 in 100 year) 4.5-Hour duration

Figure 34 Post-Development minus Pre-Development Flood Depth 1% AEP (1 in 100 year) 6-Hour duration





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



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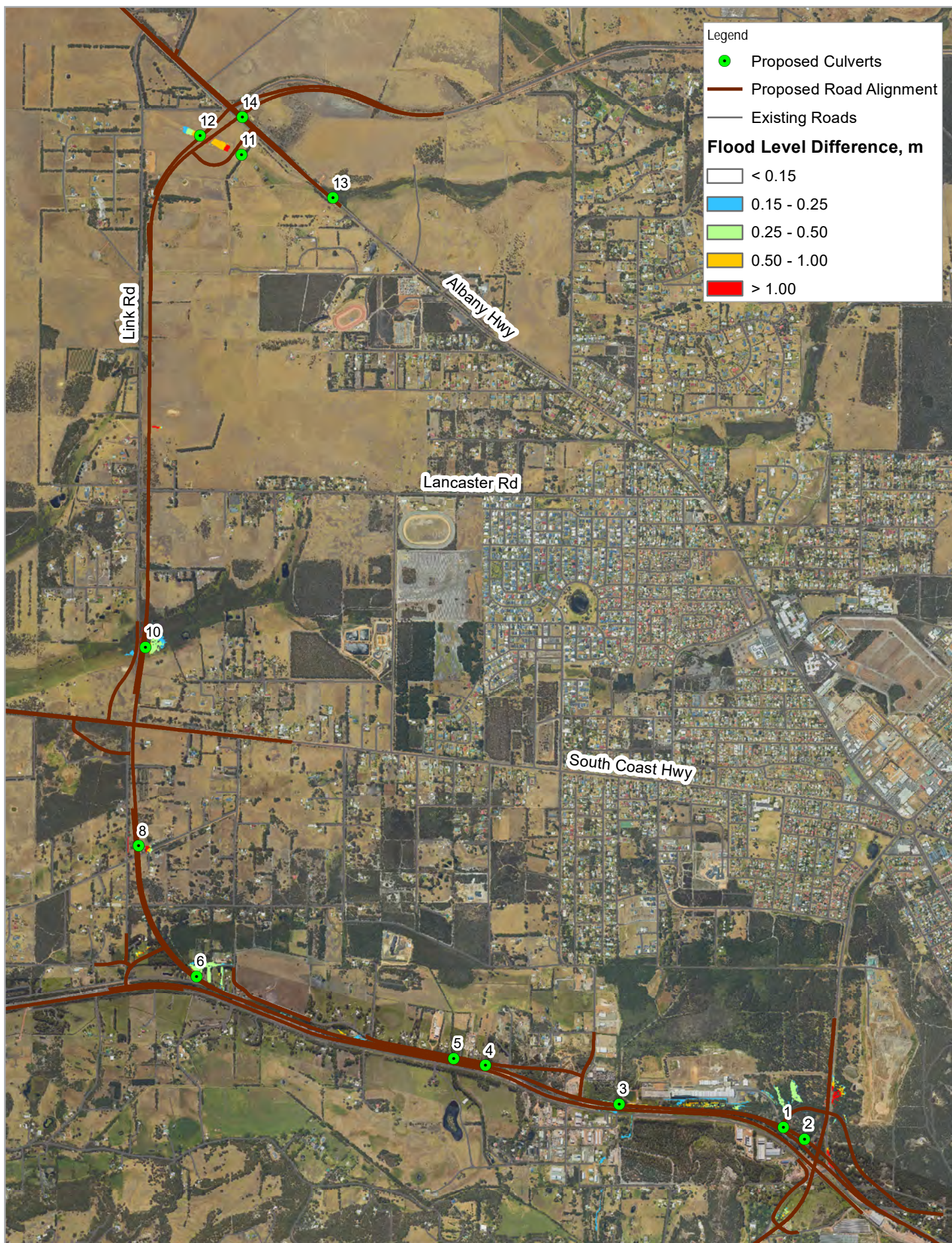
Post- Minus Pre-development Flood Depth  
5% AEP (1 in 20 yr)  
1-hr Duration

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**FIGURE 27**

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Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



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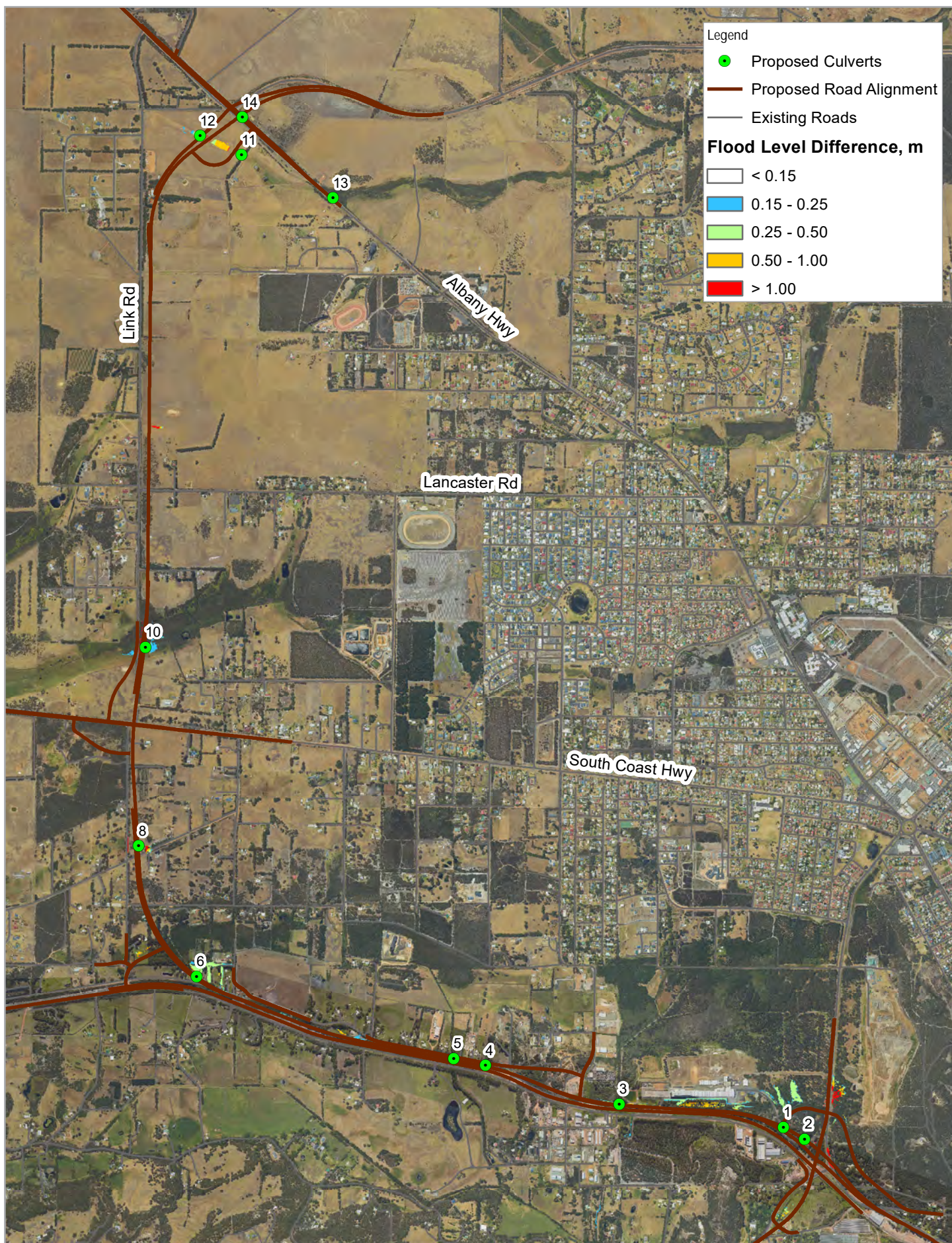
Post- Minus Pre-development Flood Depth  
5% AEP (1 in 20 yr)  
3-hr Duration

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FIGURE 28

Data source: Created by: jsangubos





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



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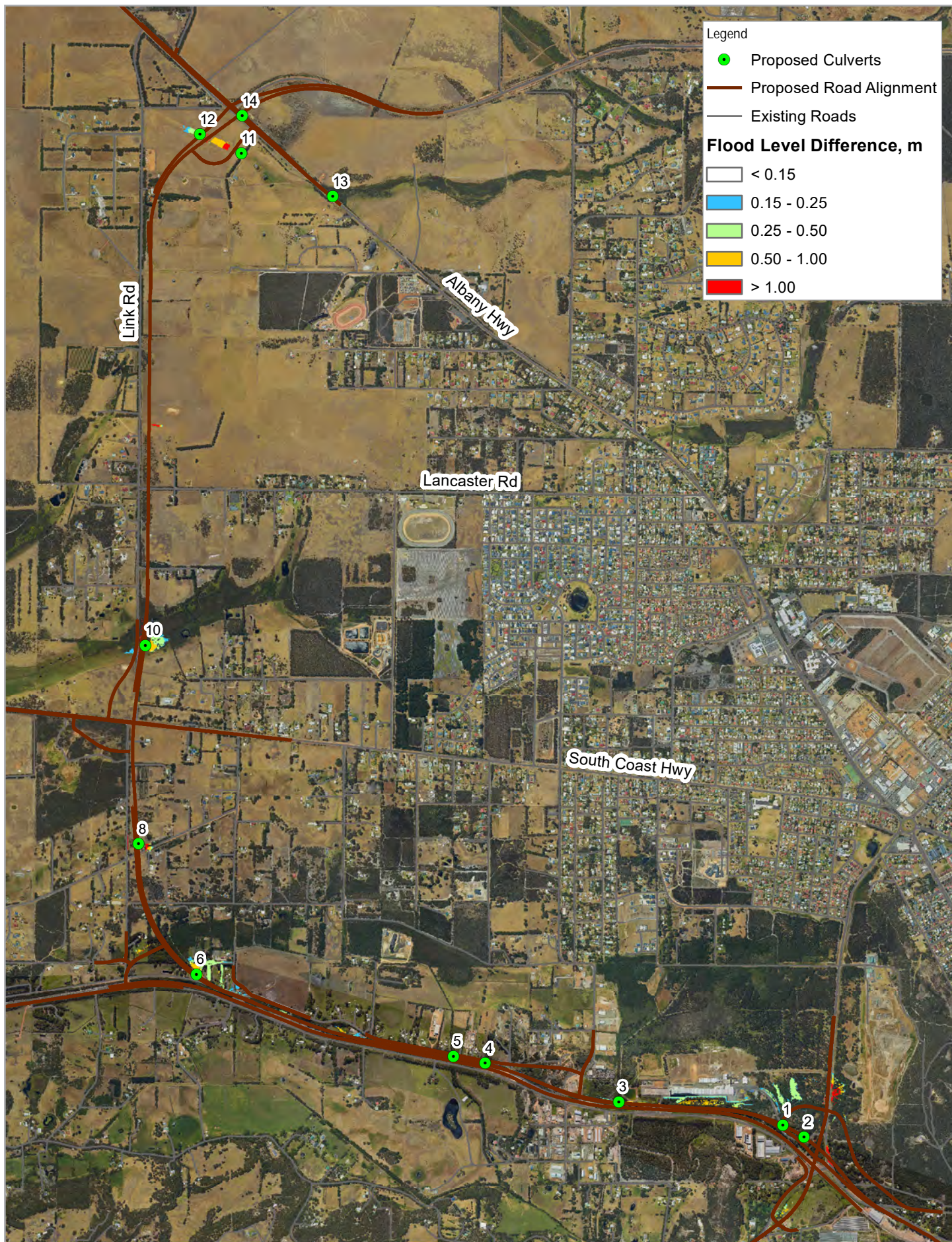
Post- Minus Pre-development Flood Depth  
5% AEP (1 in 20 yr)  
4.5-hr Duration

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**FIGURE 29**

Data source: Created by: jsangubos





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



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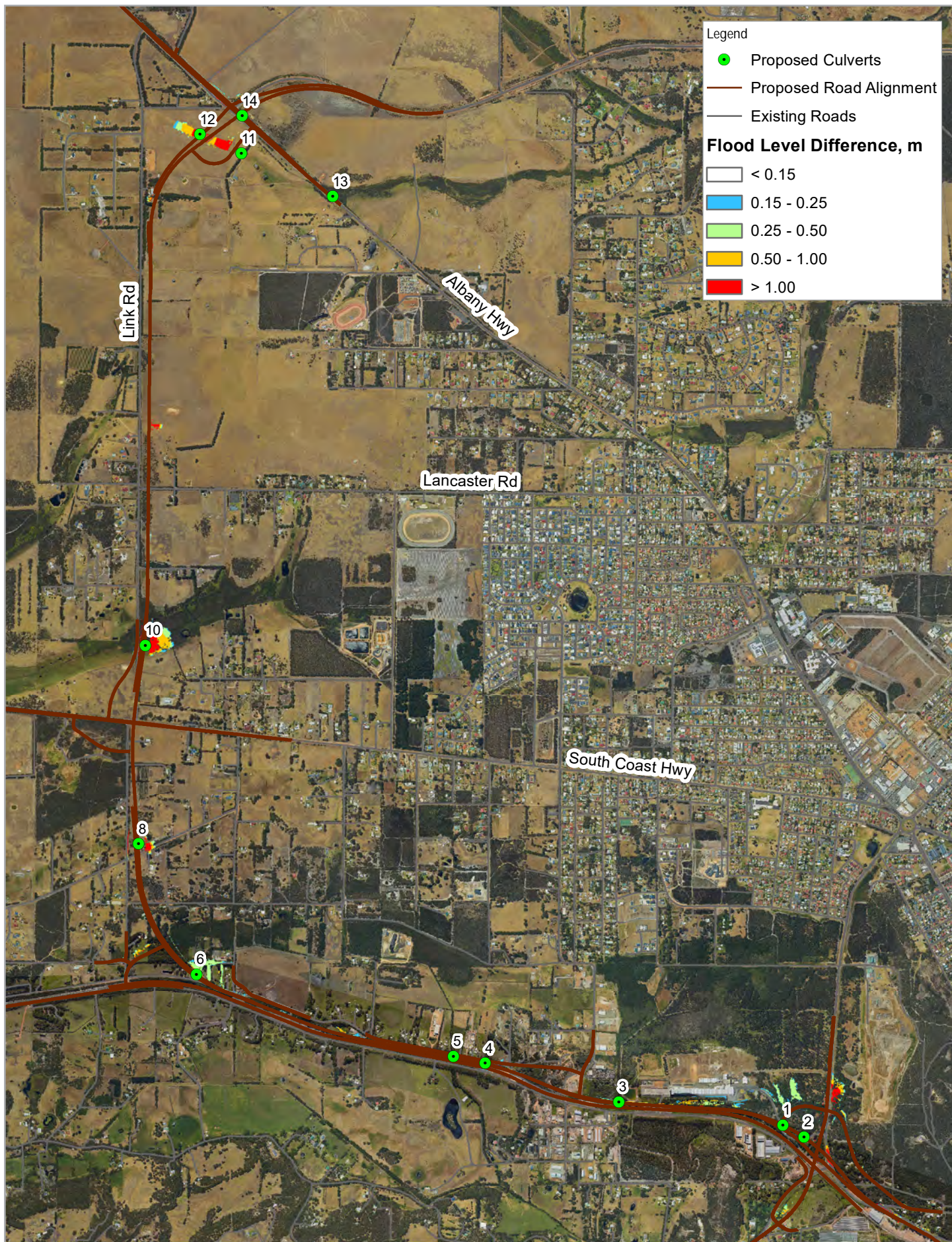
Post- Minus Pre-development Flood Depth  
5% AEP (1 in 20 yr)  
6-hr Duration

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FIGURE 30

Data source: Created by: jsmanubos





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



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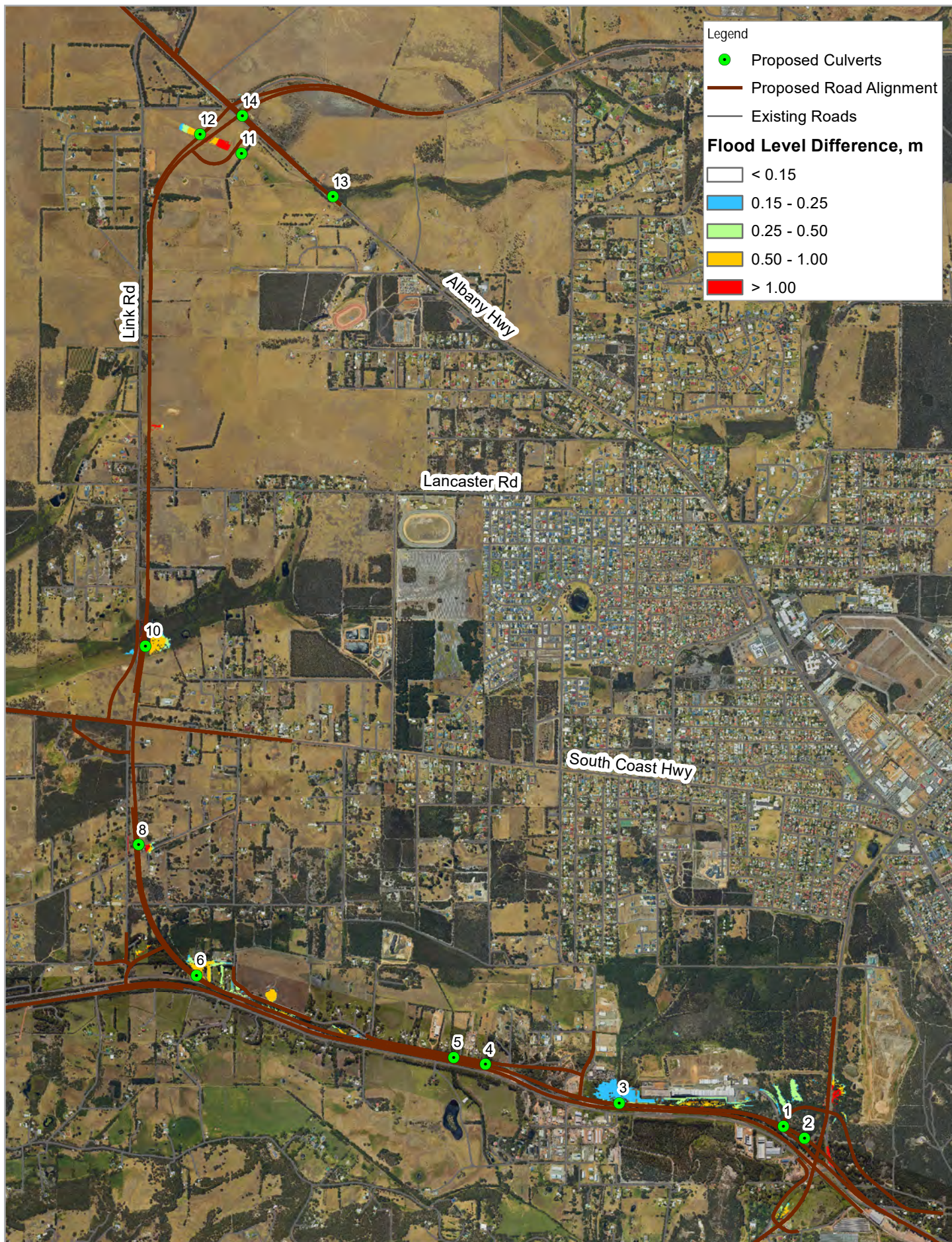
Post- Minus Pre-development Flood Depth  
1% AEP (1 in 100 yr)  
1-hr Duration

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FIGURE 31

Data source: Created by: jsmanubos





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



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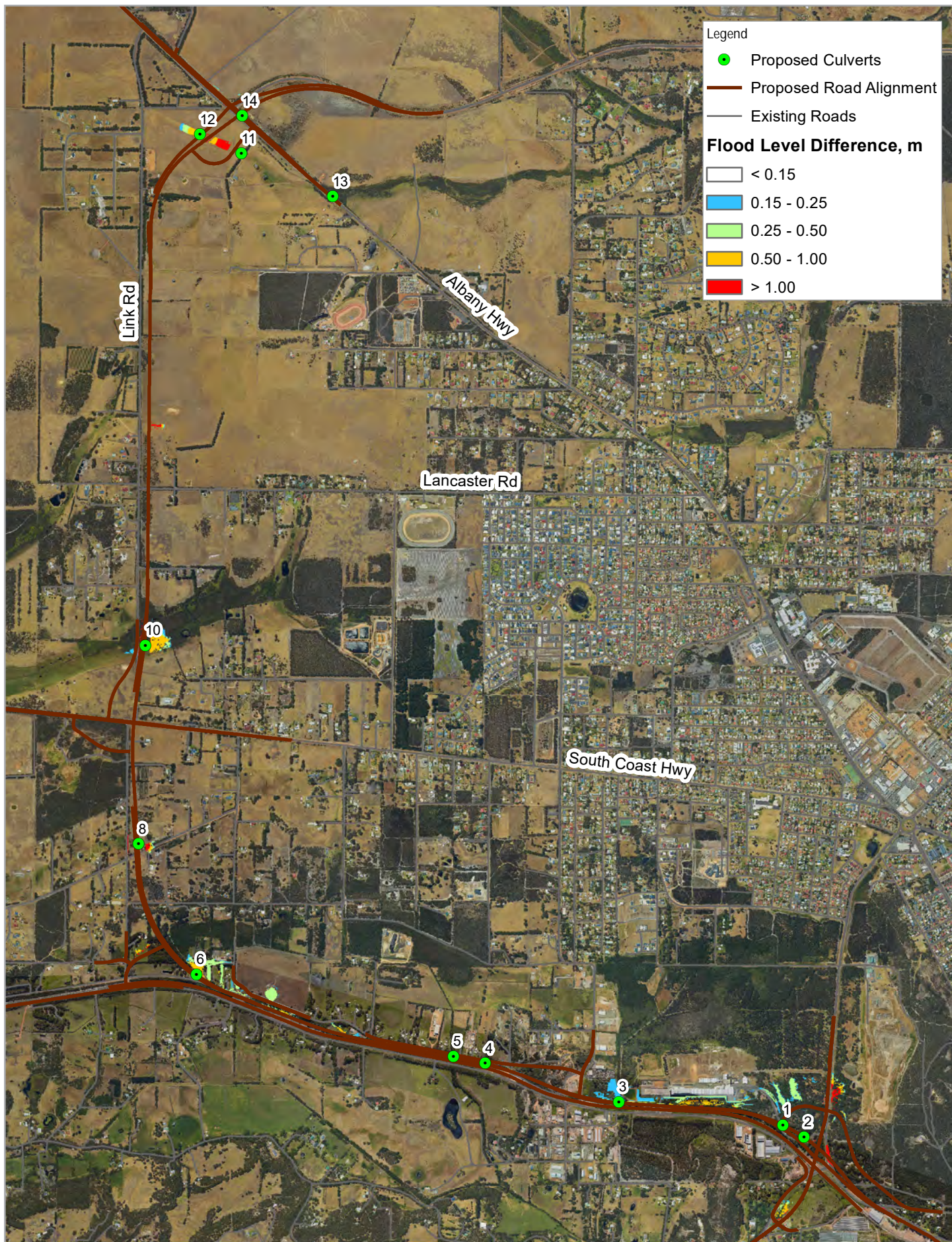
Post- Minus Pre-development Flood Depth  
1% AEP (1 in 100 yr)  
3-hr Duration

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**FIGURE 32**

Data source: Created by: jsmanubos





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



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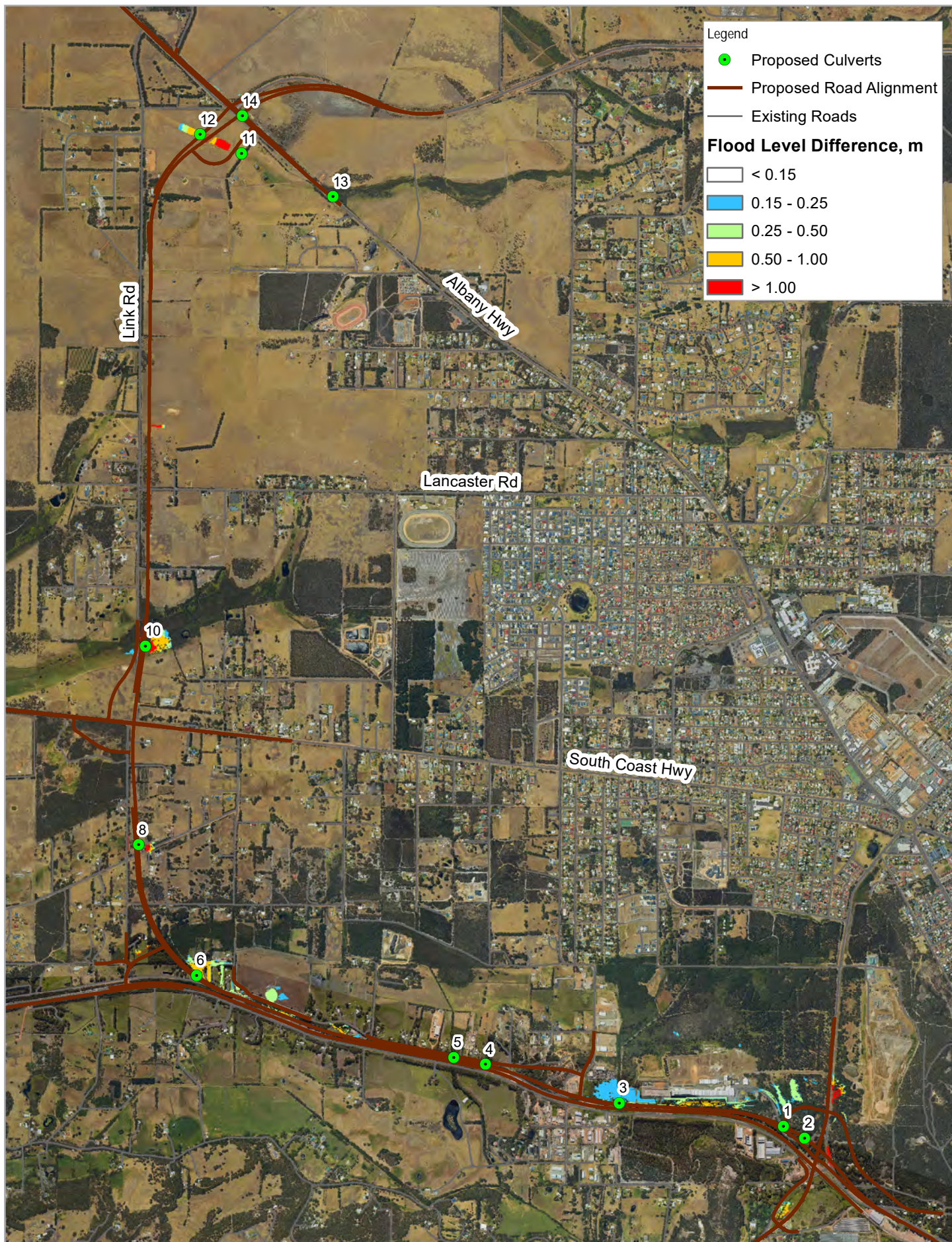
Post- Minus Pre-development Flood Depth  
1% AEP (1 in 100 yr)  
4.5-hr Duration

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**FIGURE 33**

Data source: Created by: jsmanubos





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



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Post- Minus Pre-development Flood Depth  
1% AEP (1 in 100 yr)  
6-hr Duration

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**FIGURE 34**

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## Appendix F - Pre-development velocity maps

Figure 35 Pre-Development Flood Velocity 5% AEP (1 in 20 year) 1-Hour duration

Figure 36 Pre-Development Flood Velocity 5% AEP (1 in 20 year) 3-Hour duration

Figure 37 Pre-Development Flood Velocity 5% AEP (1 in 20 year) 4.5-Hour duration

Figure 38 Pre-Development Flood Velocity 5% AEP (1 in 20 year) 6-Hour duration

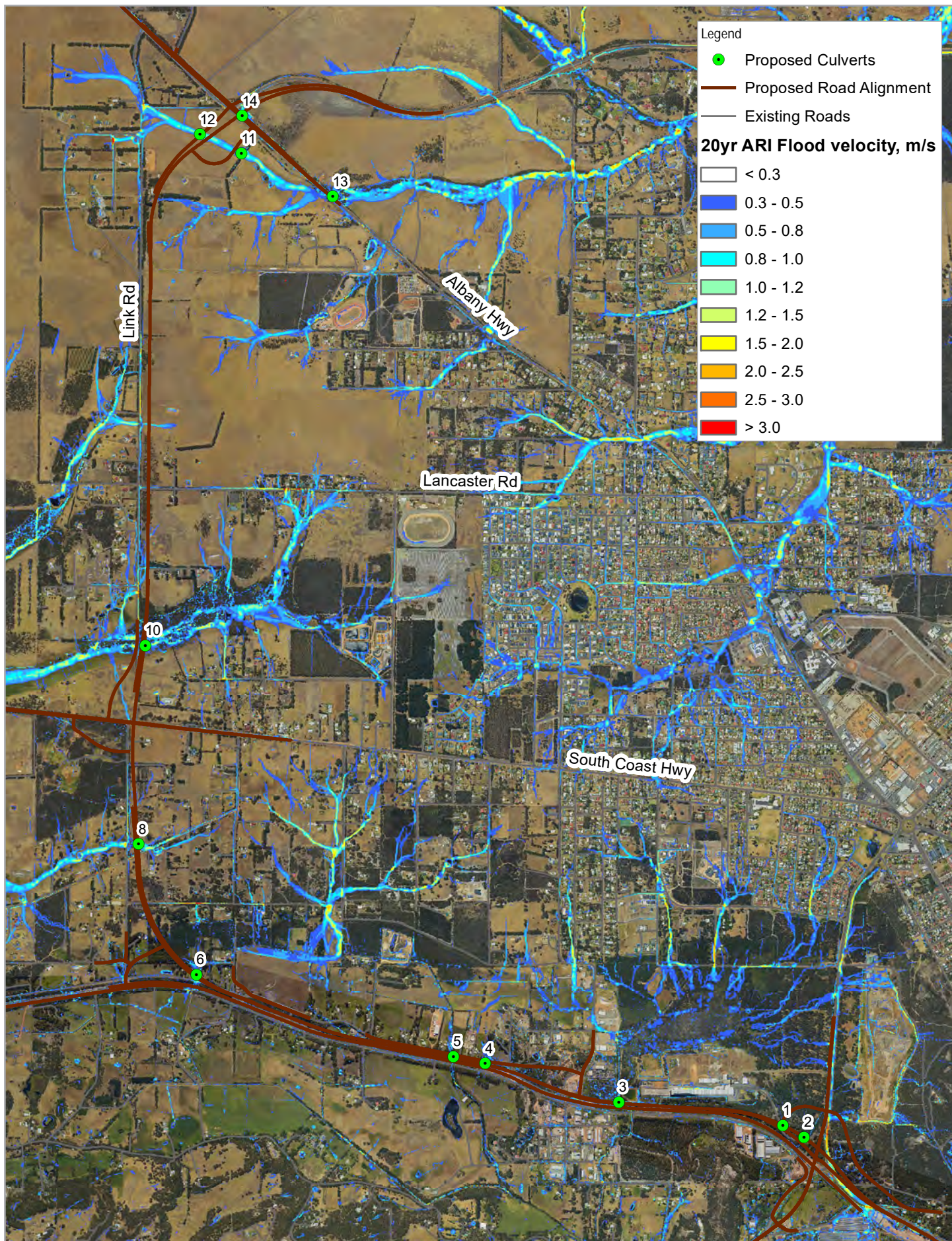
Figure 39 Pre-Development Flood Velocity 1% AEP (1 in 100 year) 1-Hour duration

Figure 40 Pre-Development Flood Velocity 1% AEP (1 in 100 year) 3-Hour duration

Figure 41 Pre-Development Flood Velocity 1% AEP (1 in 100 year) 4.5-Hour duration

Figure 42 Pre-Development Flood Velocity 1% AEP (1 in 100 year) 6-Hour duration





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



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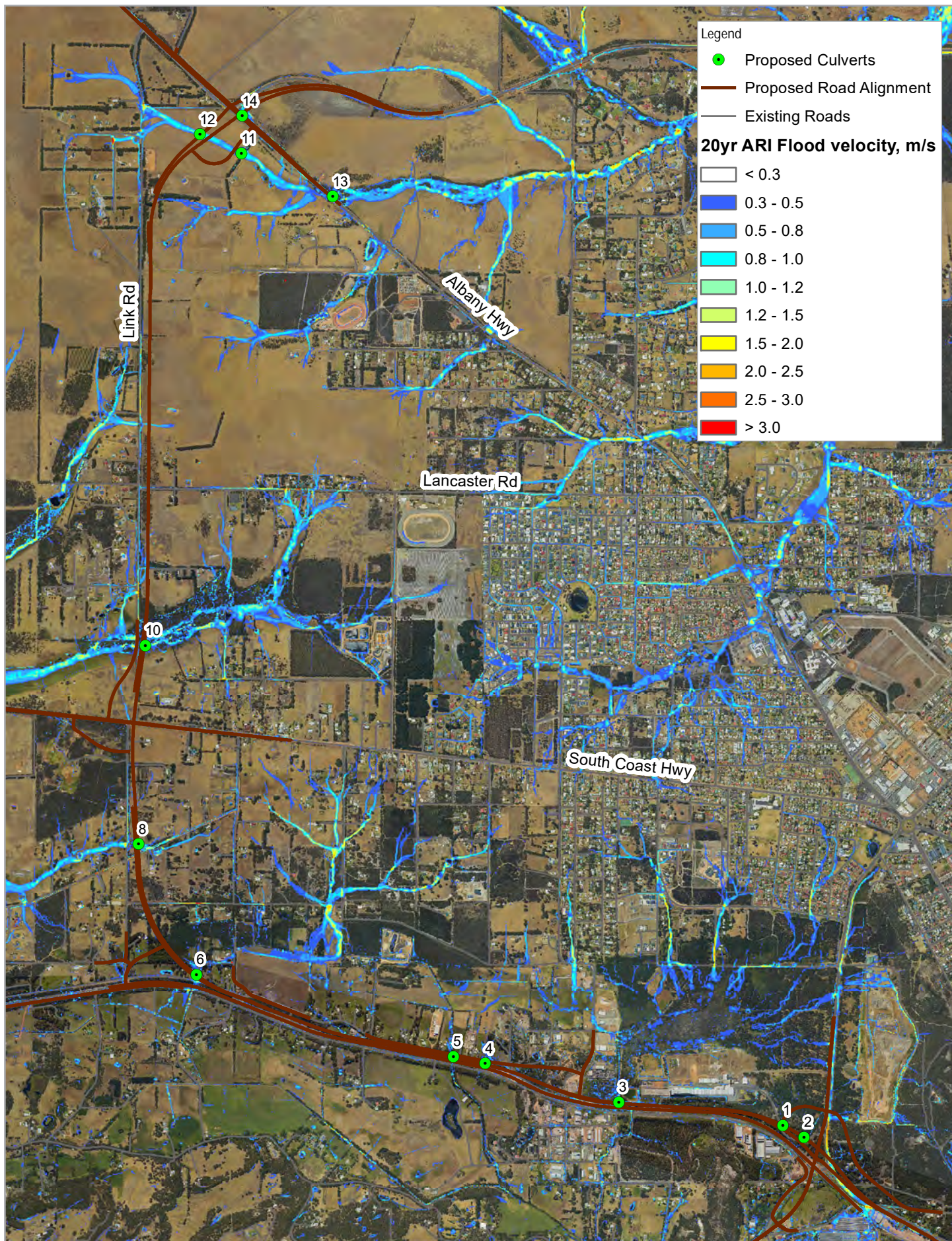
Pre-development Flood Velocity  
5% AEP (1 in 20 yr)  
1-hr Duration

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**FIGURE 35**

Data source: Created by: jsmanubos





Paper Size ISO A4  
 0 0.2 0.4 0.6 0.8  
 Kilometers

Map Projection: Transverse Mercator  
 Horizontal Datum: GDA 1994  
 Grid: GDA 1994 MGA Zone 50



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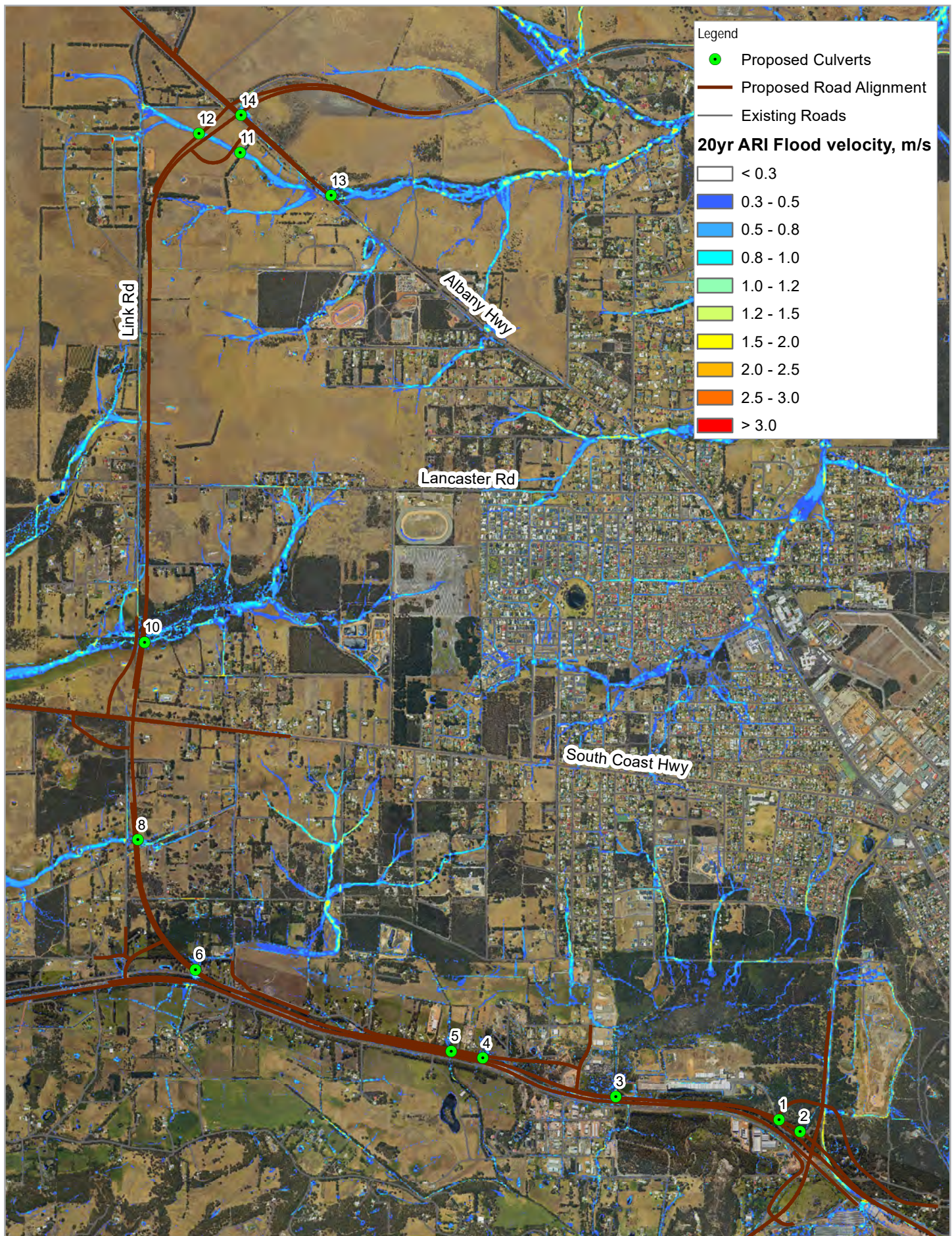
Pre-development Flood Velocity  
 5% AEP (1 in 20 yr)  
 3-hr Duration

Project No. 61-37157  
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**FIGURE 36**

Data source: Created by: jsmanubos





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



MAIN ROADS WA  
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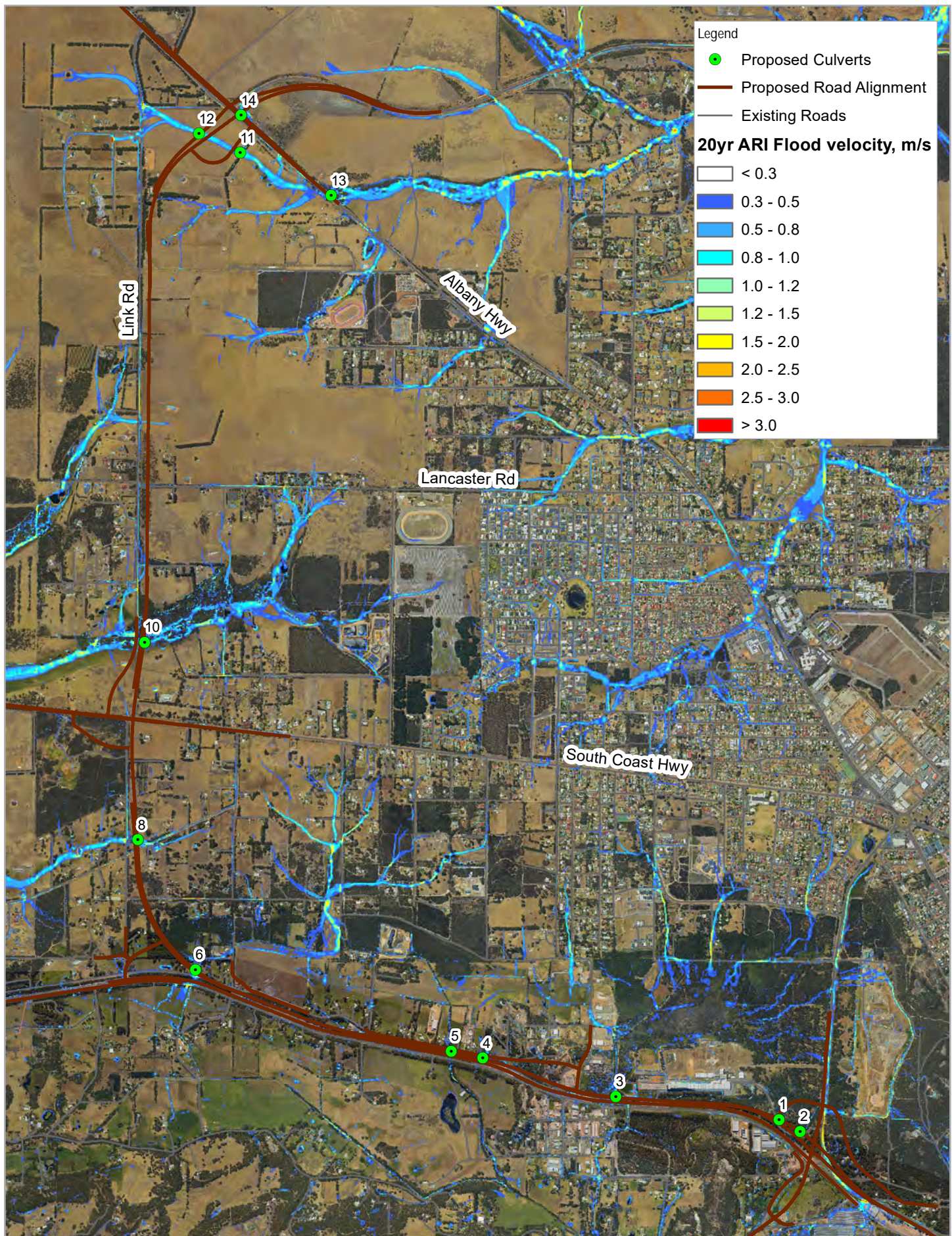
Pre-development Flood Velocity  
5% AEP (1 in 20 yr)  
4.5-hr Duration

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Revision No. 0  
Date 16/12/2019

**FIGURE 37**

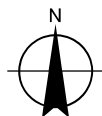
Data source: Created by: jsmanubos





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



MAIN ROADS WA  
Albany Ring Road Flood Study

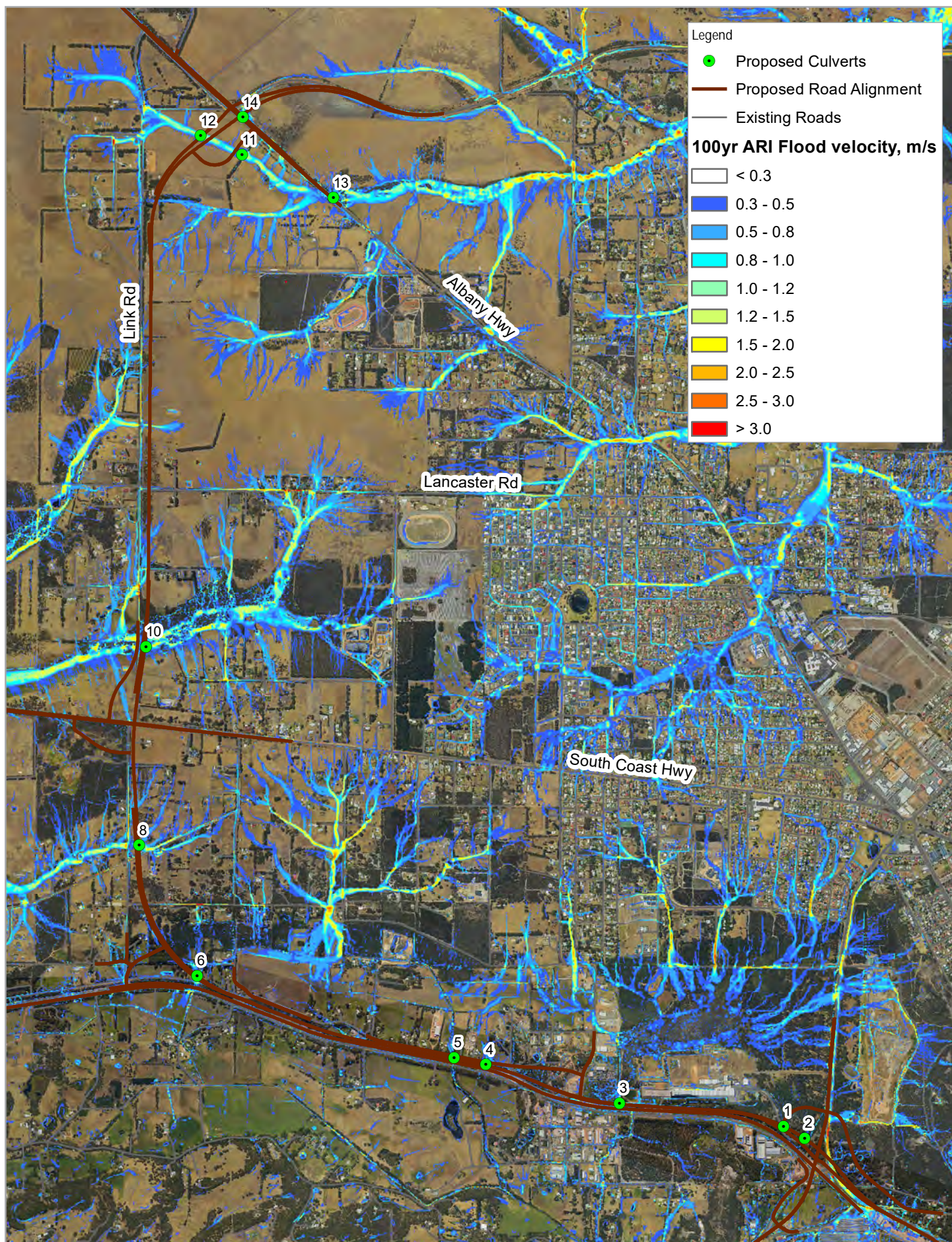
Pre-development Flood Velocity  
5% AEP (1 in 20 yr)  
6-hr Duration

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**FIGURE 38**

Data source: Created by: jsmanubos





Paper Size ISO A4  
 0 0.2 0.4 0.6 0.8  
 Kilometers

Map Projection: Transverse Mercator  
 Horizontal Datum: GDA 1994  
 Grid: GDA 1994 MGA Zone 50



MAIN ROADS WA  
 Albany Ring Road Flood Study

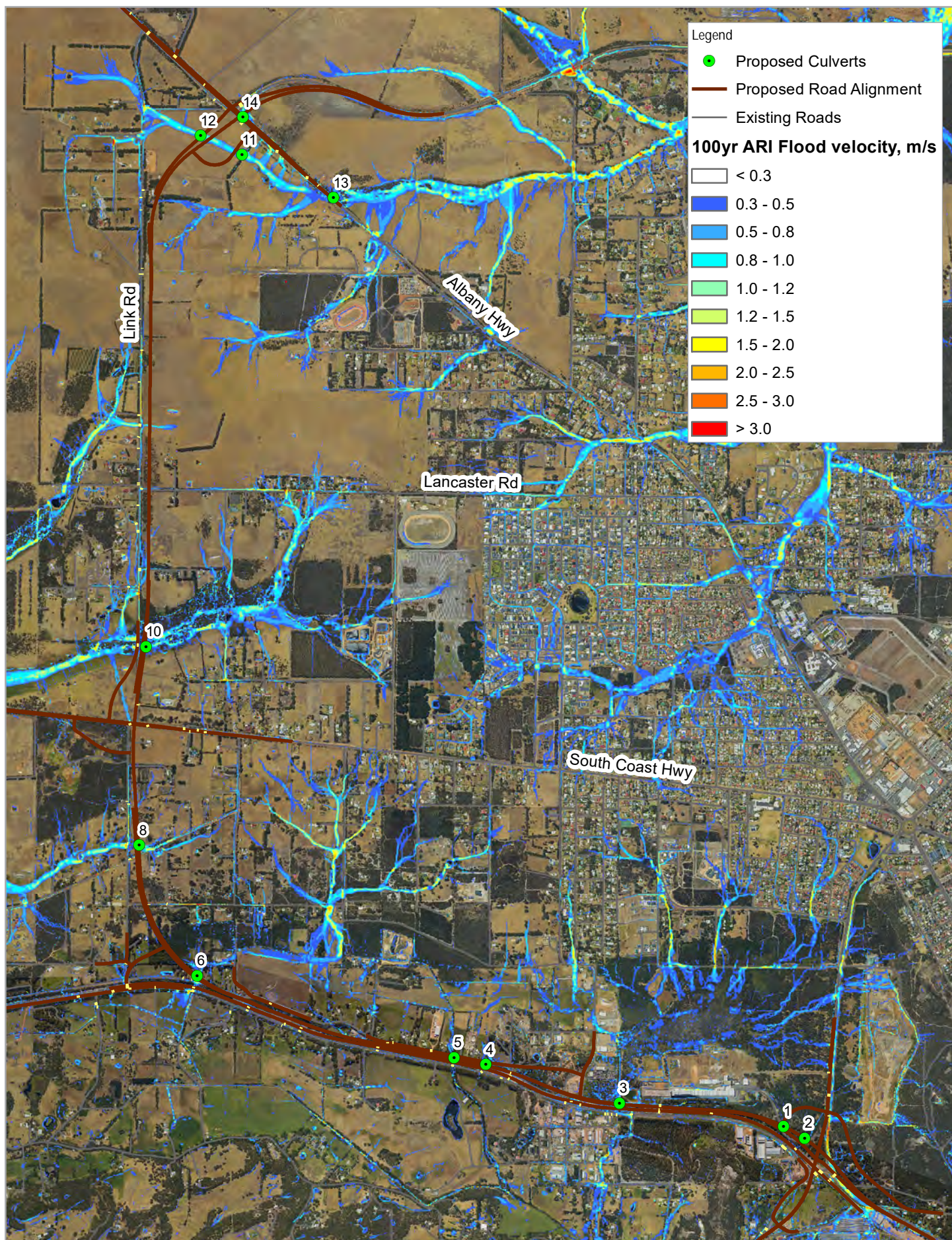
Pre-development Flood Velocity  
 1% AEP (1 in 100 yr)  
 1-hr Duration

Project No. 61-37157  
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**FIGURE 39**

Data source: Created by: jsmanubos





Paper Size ISO A4  
 0 0.2 0.4 0.6 0.8  
 Kilometers

Map Projection: Transverse Mercator  
 Horizontal Datum: GDA 1994  
 Grid: GDA 1994 MGA Zone 50



MAIN ROADS WA  
 Albany Ring Road Flood Study

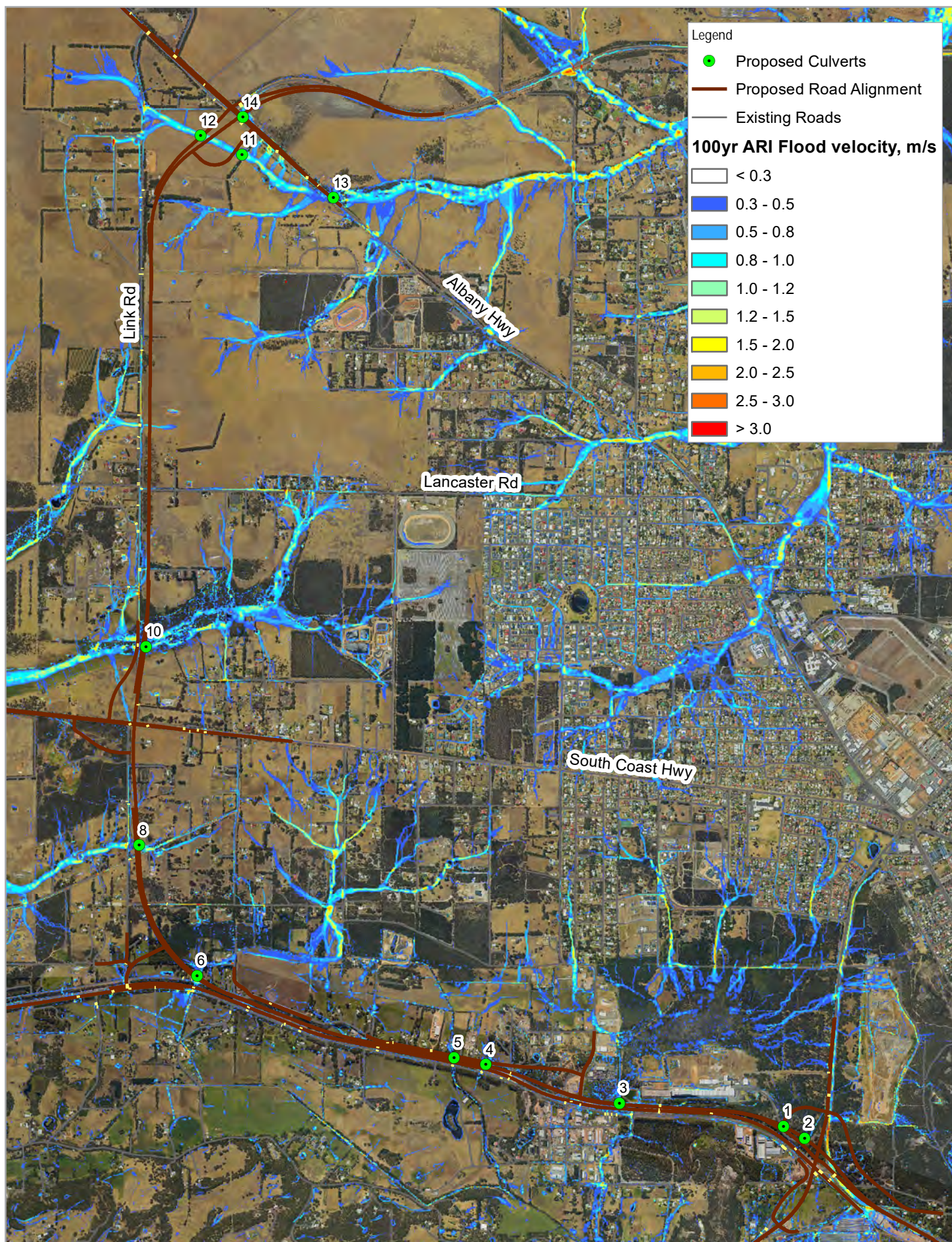
Pre-development Flood Velocity  
 1% AEP (1 in 100 yr)  
 3-hr Duration

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**FIGURE 40**

Data source: Created by: jsmanubos





Paper Size ISO A4  
 0 0.2 0.4 0.6 0.8  
 Kilometers

Map Projection: Transverse Mercator  
 Horizontal Datum: GDA 1994  
 Grid: GDA 1994 MGA Zone 50



MAIN ROADS WA  
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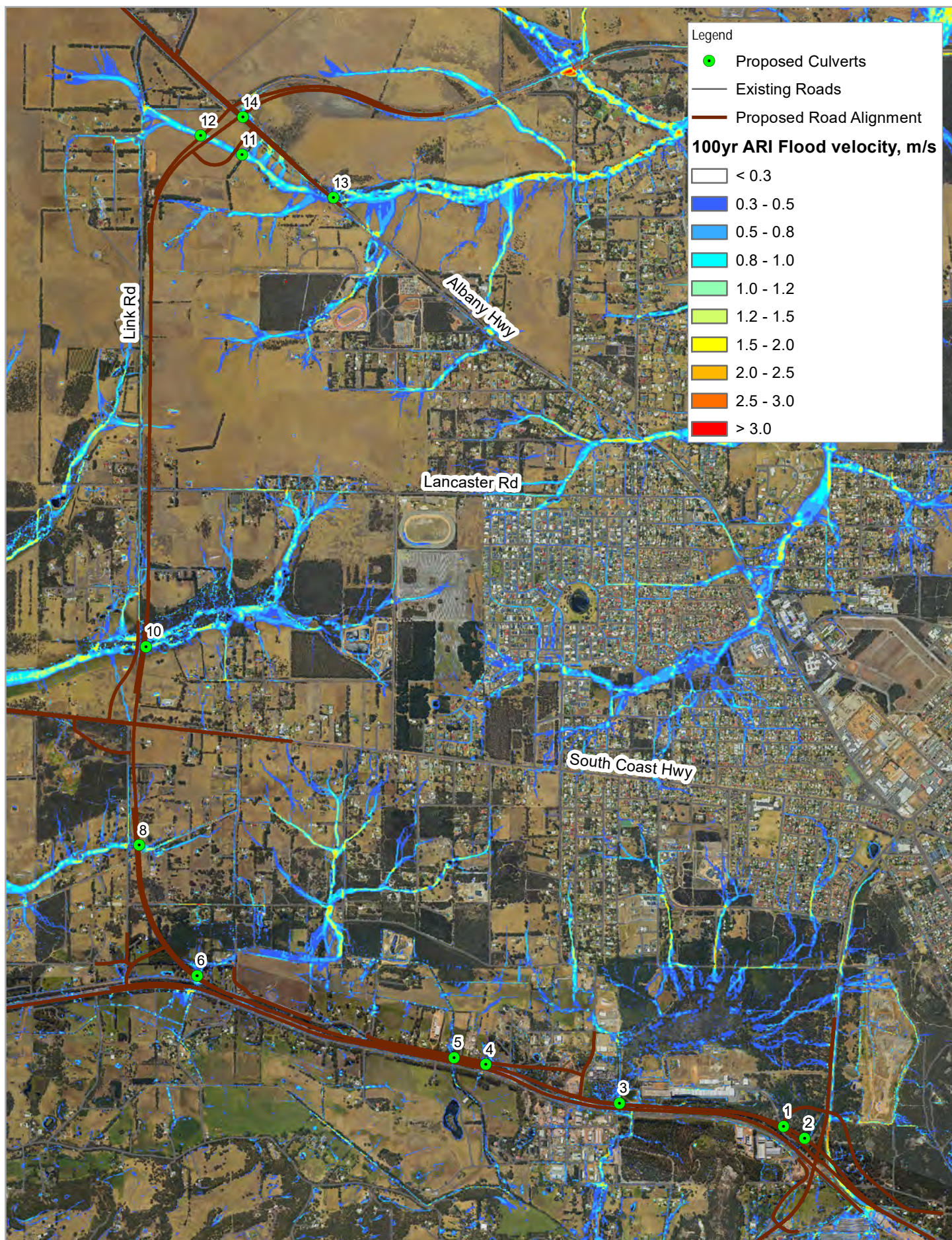
Pre-development Flood Velocity  
 1% AEP (1 in 100 yr)  
 4.5-hr Duration

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**FIGURE 41**

Data source: Created by: jsmanubos





Paper Size ISO A4  
 0 0.2 0.4 0.6 0.8  
 Kilometers

Map Projection: Transverse Mercator  
 Horizontal Datum: GDA 1994  
 Grid: GDA 1994 MGA Zone 50



MAIN ROADS WA  
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Pre-development Flood Velocity  
 1% AEP (1 in 100 yr)  
 6-hr Duration

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**FIGURE 42**

Data source: Created by: jsmanubos



## Appendix G - Post-development velocity maps

Figure 43 Post-Development Flood Velocity 5% AEP (1 in 20 year) 1-Hour duration

Figure 44 Post-Development Flood Velocity 5% AEP (1 in 20 year) 3-Hour duration

Figure 45 Post-Development Flood Velocity 5% AEP (1 in 20 year) 4.5-Hour duration

Figure 46 Post-Development Flood Velocity 5% AEP (1 in 20 year) 6-Hour duration

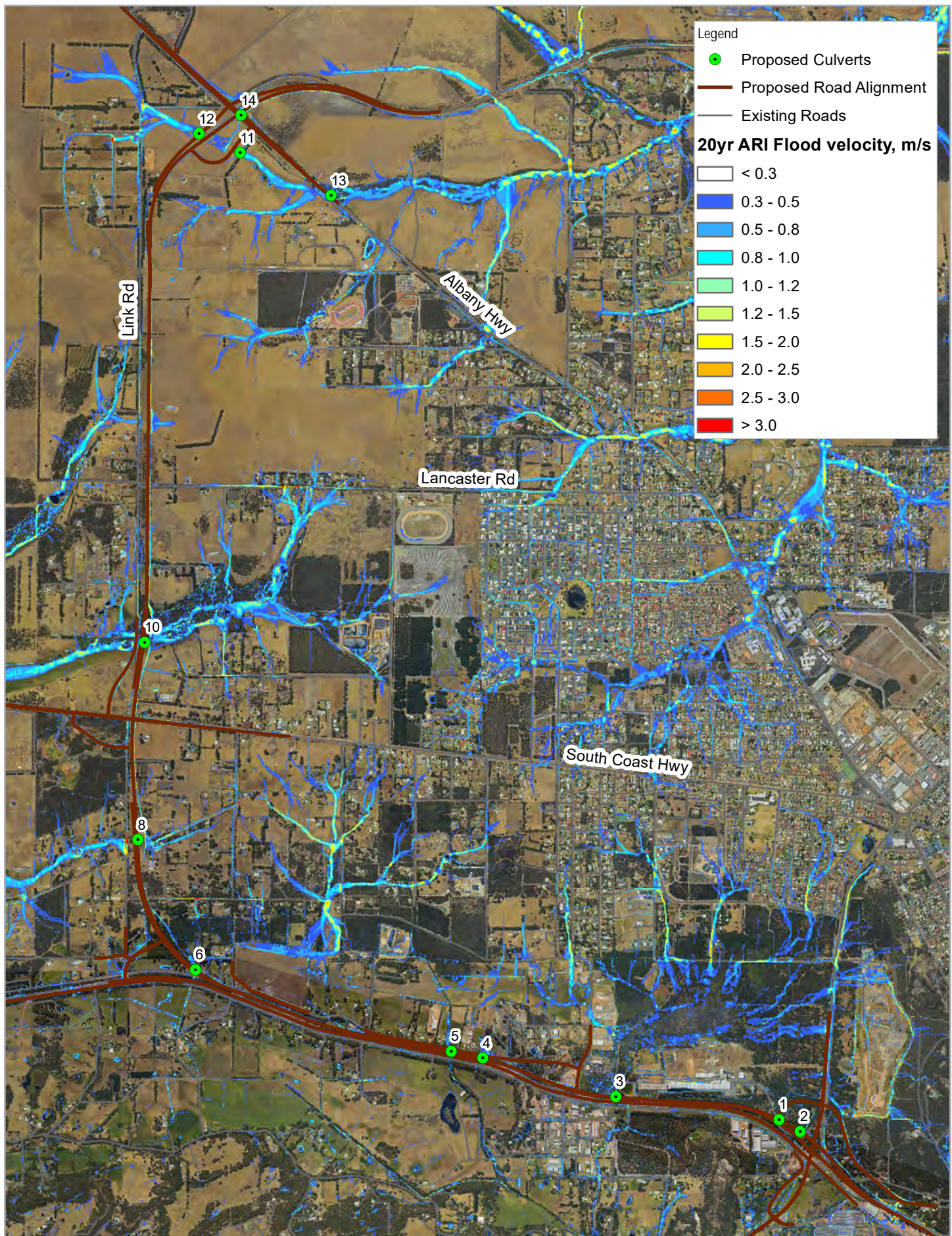
Figure 47 Post-Development Flood Velocity 1% AEP (1 in 100 year) 1-Hour duration

Figure 48 Post-Development Flood Velocity 1% AEP (1 in 100 year) 3-Hour duration

Figure 49 Post-Development Flood Velocity 1% AEP (1 in 100 year) 4.5-Hour duration

Figure 50 Post-Development Flood Velocity 1% AEP (1 in 100 year) 6-Hour duration





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



MAIN ROADS WA  
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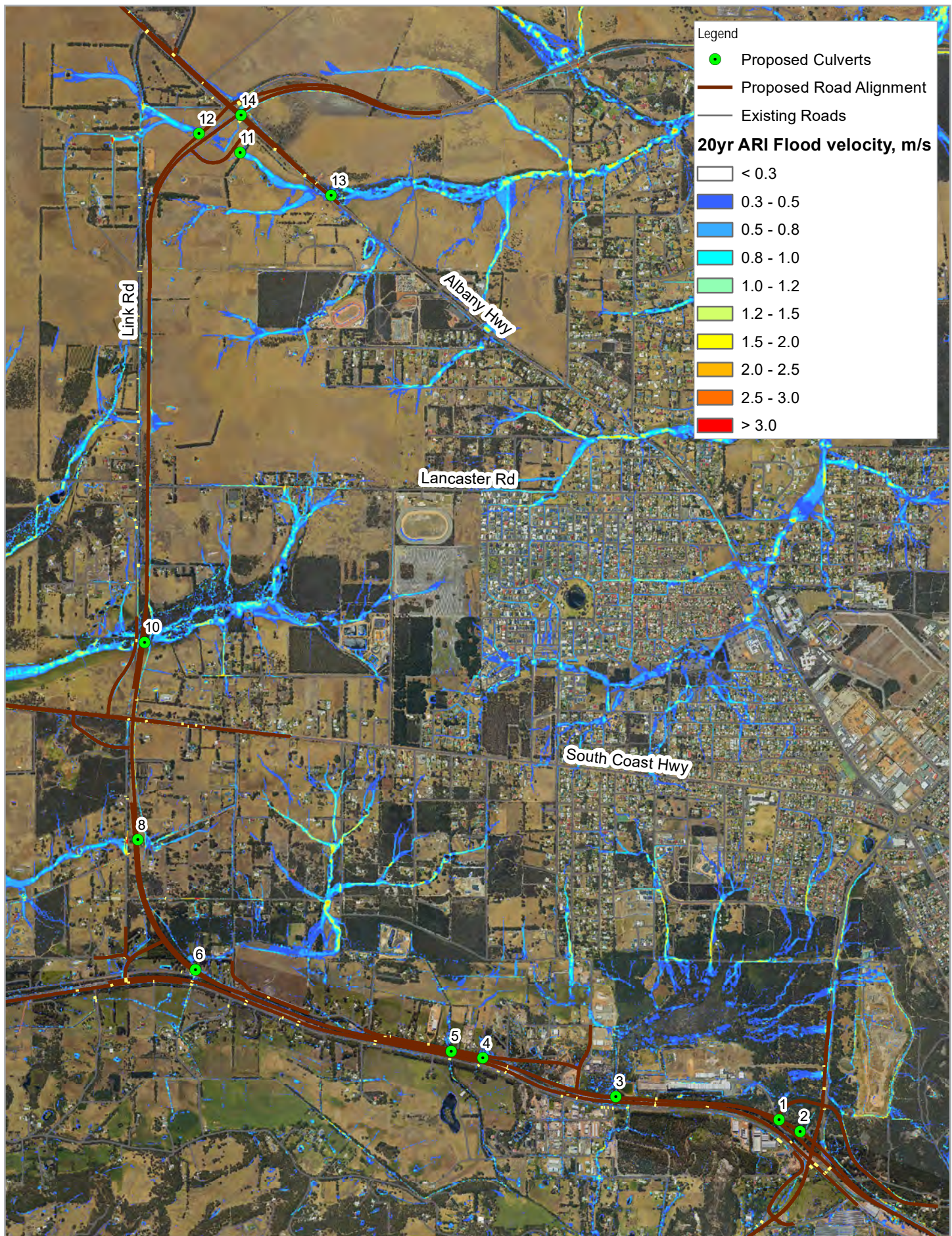
Post-development Flood Velocity  
5% AEP (1 in 20 yr)  
1-hr Duration

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Date 16/12/2019

**FIGURE 43**

Data source: Created by: jsmanubos





Paper Size ISO A4  
0 0.2 0.4 0.6 0.8  
Kilometers

Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 50



MAIN ROADS WA  
Albany Ring Road Flood Study

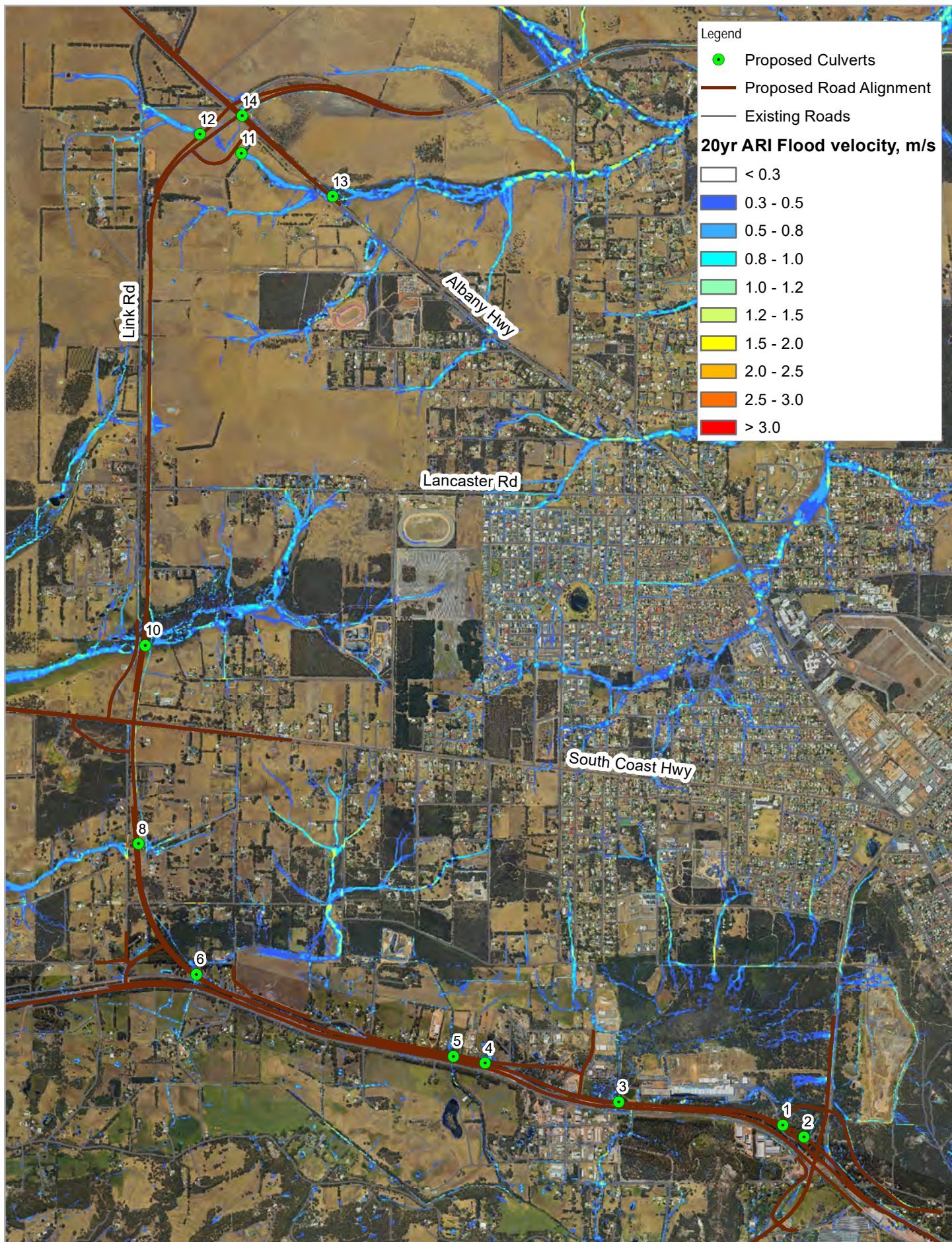
Post-development Flood Velocity  
5% AEP (1 in 20 yr)  
3-hr Duration

Project No. 61-37157  
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**FIGURE 44**

Data source: Created by: jsmanubos





Paper Size ISO A4  
 0 0.2 0.4 0.6 0.8  
 Kilometers

Map Projection: Transverse Mercator  
 Horizontal Datum: GDA 1994  
 Grid: GDA 1994 MGA Zone 50



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Post-development Flood Velocity  
 5% AEP (1 in 20 yr)  
 4.5-hr Duration

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**FIGURE 45**

Data source: Created by: jsmanubos