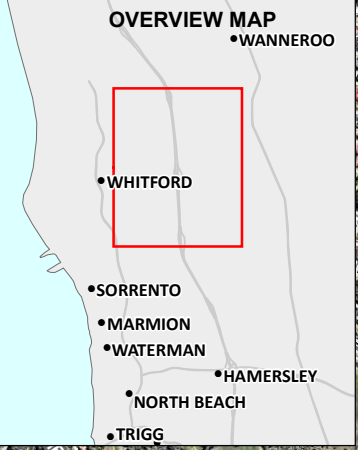
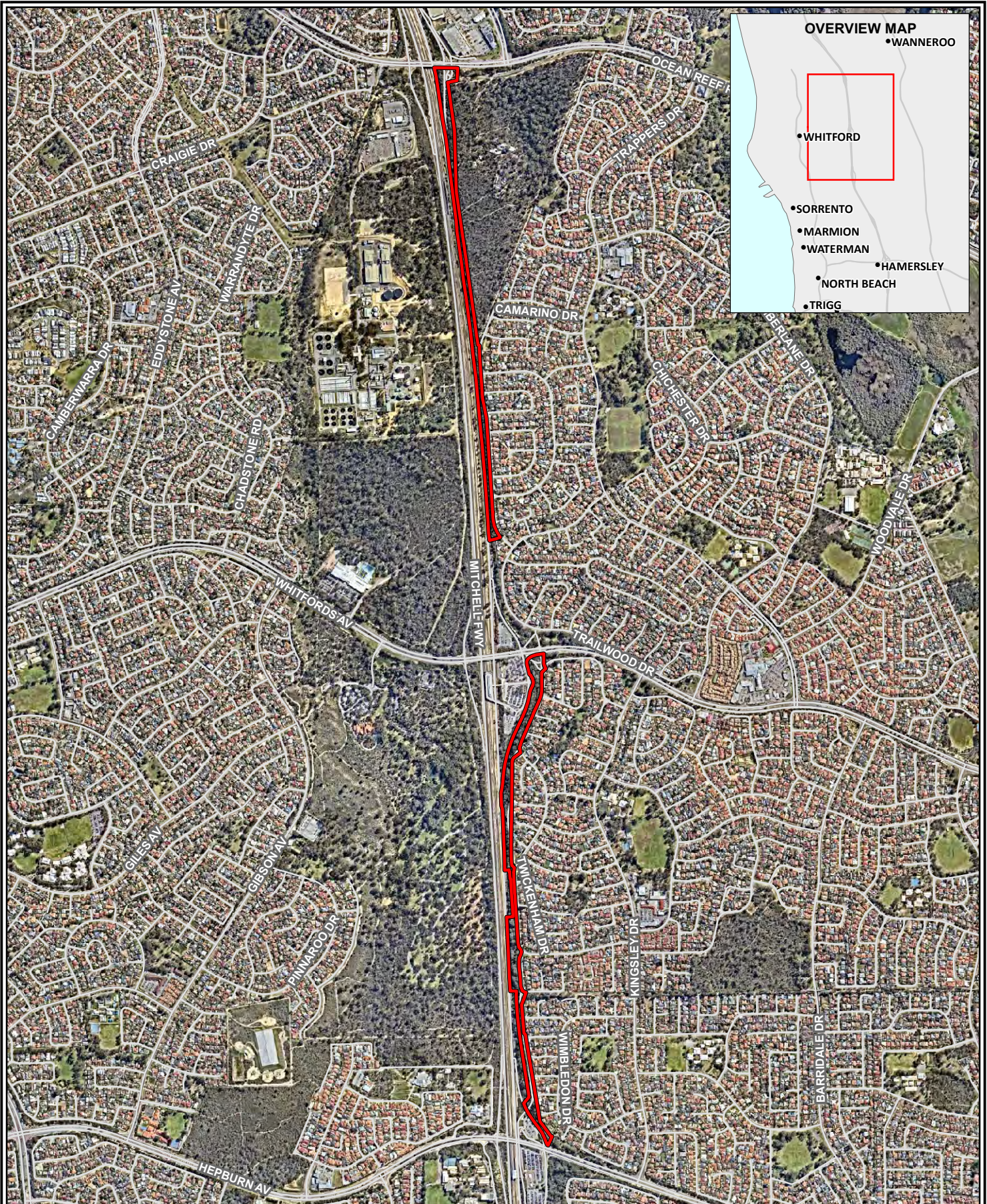


## Appendix A. Figures

**Figure 1 – Proposed Action Location and Development Envelope**



**Legend:**  
 Development envelope  
 Local and regional roads

Scale 1:22,000 at A4  
 0 250 500 Meters

Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

Client: Main Roads

Version: A Date: 11-Feb-2021

Drawn By: jcrute Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**



**PROPOSED ACTION LOCATION AND DEVELOPMENT ENVELOPE**

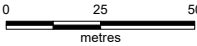
**FIGURE 1**



**Figure 2 – Proposed Action Design Drawings**



**Legend:**  
 Development envelope  
 PSP and on-ramps

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

Client: Main Roads

Version: A

Drawn By: hsullivan

Date: 12-Feb-2021

Checked By: CT

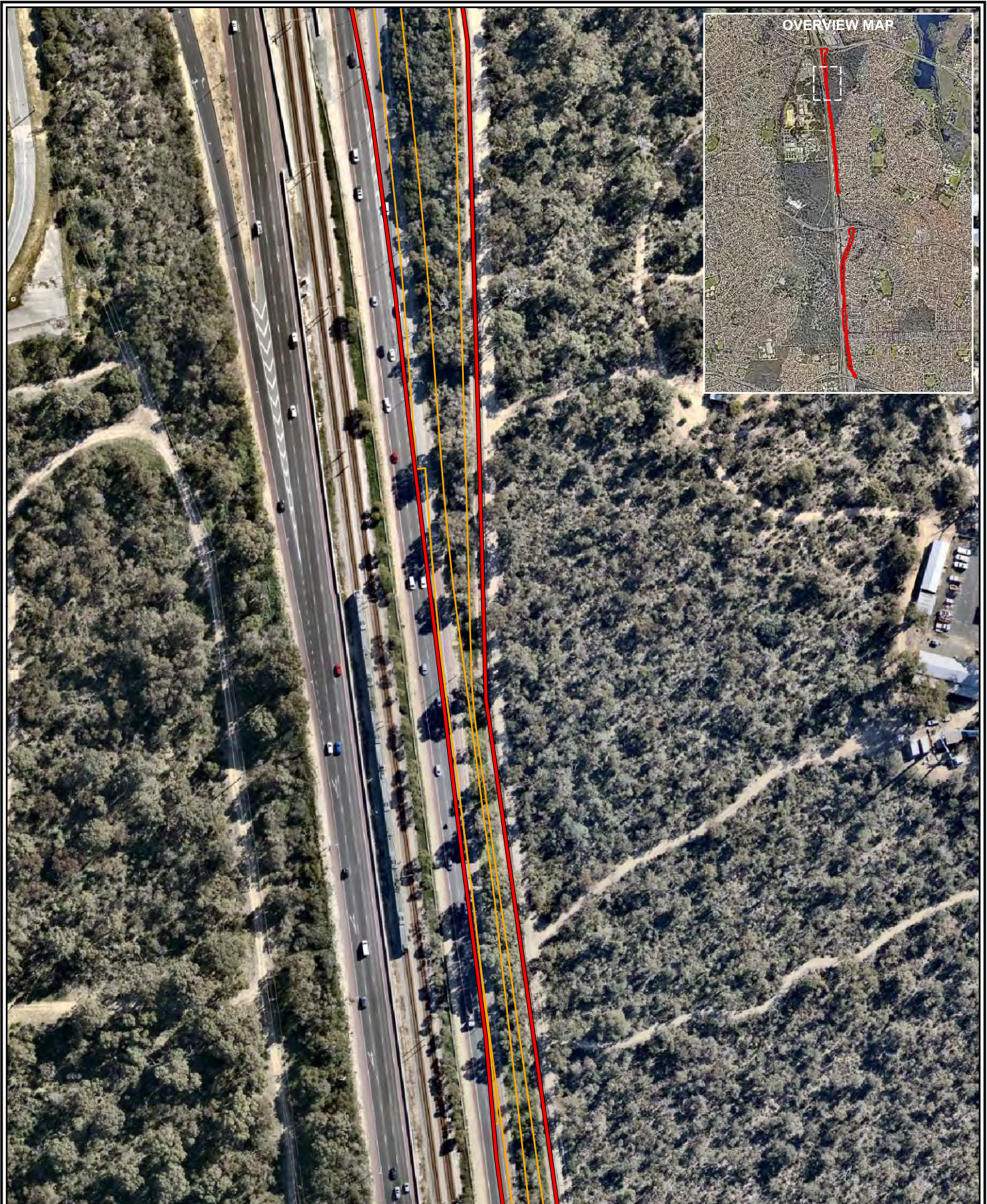
**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**



**PROPOSED ACTION DESIGN DRAWINGS**

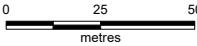
**FIGURE 2**

**PAGE 1**





**Legend:**  
 Development envelope  
 PSP and on-ramps

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

Client: Main Roads

Version: A

Drawn By: hsullivan

Date: 12-Feb-2021

Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**



**PROPOSED ACTION DESIGN DRAWINGS**

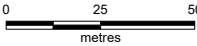
**FIGURE 2**

**PAGE 2**





**Legend:**  
 Development envelope  
 PSP and on-ramps

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50



Job No: 58540

Client: Main Roads

Version: A

Date: 12-Feb-2021

Drawn By: hsullivan

Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

**FIGURE 2**

**PAGE 3**





- Legend:**
- Development envelope
  - Noise walls
  - PSP and on-ramps

Scale 1:2,000 at A4   
0      25      50  
metres

Coord. Sys. GDA 1994 MGA Zone 50 ↑

Job No: 58540

Client: Main Roads

Version: A      Date: 12-Feb-2021

Drawn By: hsullivan      Checked By: CT

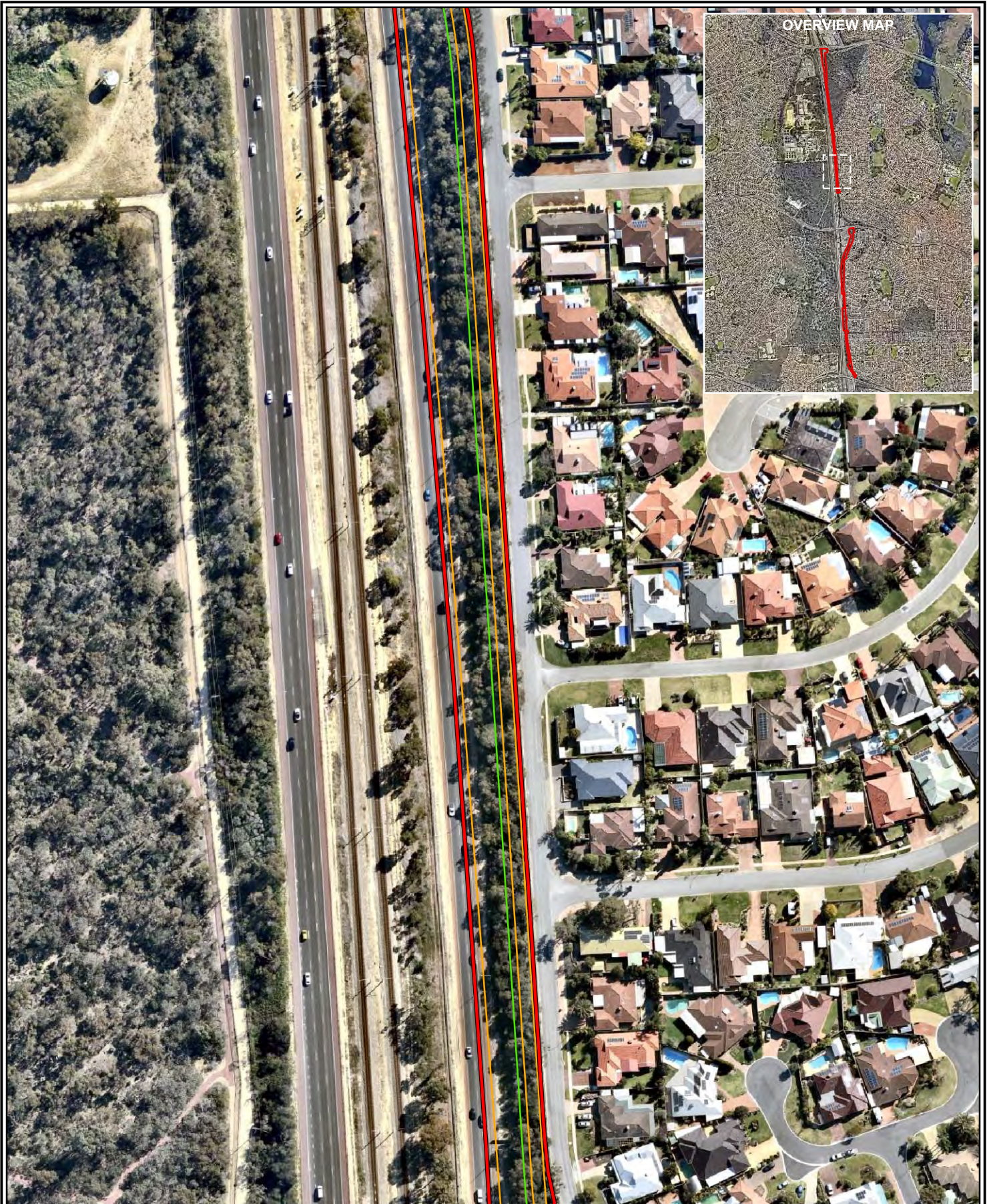
**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

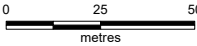
**FIGURE 2      PAGE 4**







- Legend:**
- Development envelope
  - Noise walls
  - PSP and on-ramps

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

Client: Main Roads

Version: A

Drawn By: hsullivan

Date: 12-Feb-2021

Checked By: CT

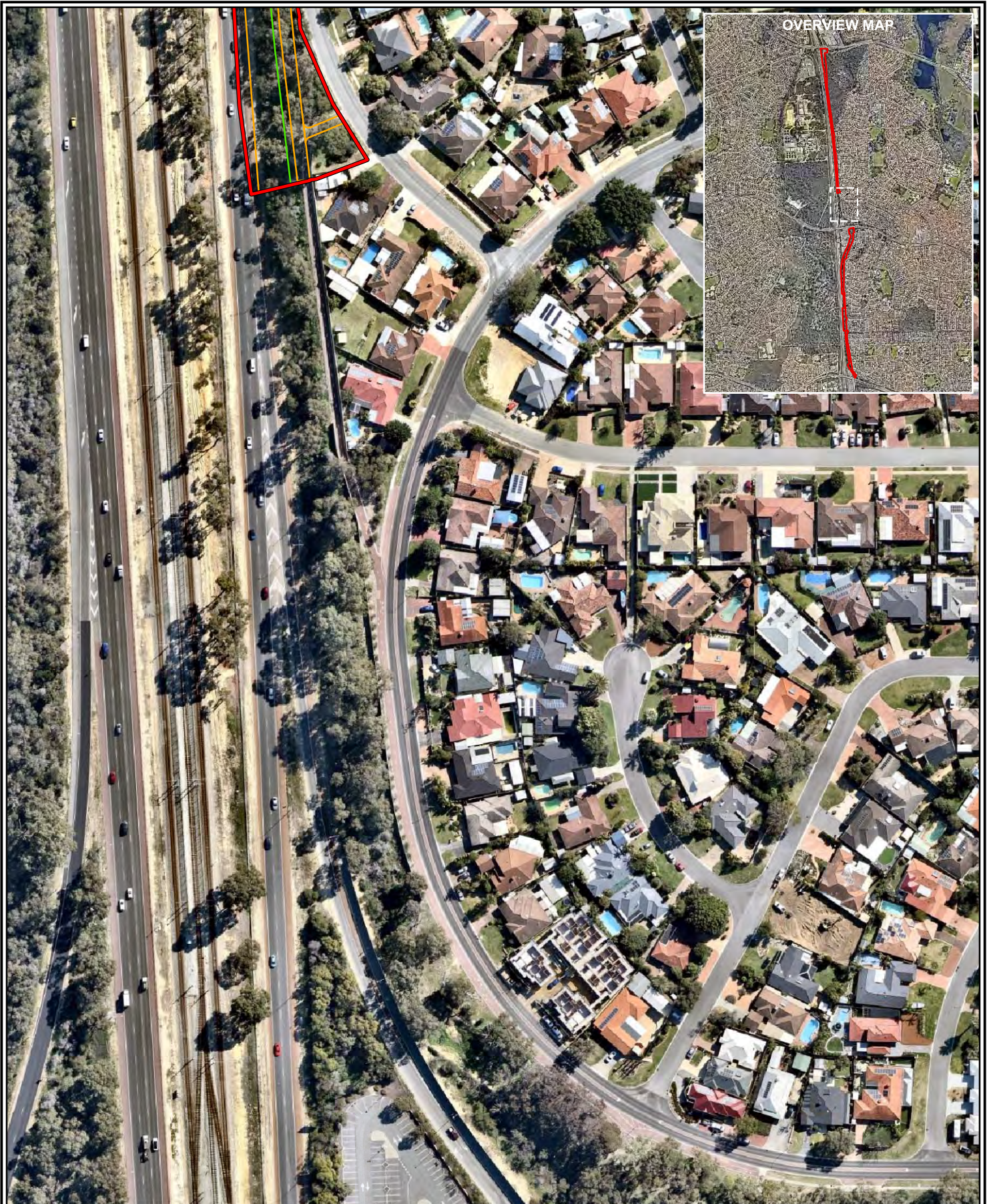
**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

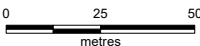
**FIGURE 2**


**PAGE 5**





- Legend:**
- Development envelope
  - Noise walls
  - PSP and on-ramps

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50 

Job No: 58540

Client: Main Roads

Version: A      Date: 12-Feb-2021

Drawn By: hsullivan      Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

**FIGURE 2      PAGE 6**





- Legend:**
- Development envelope
  - Noise walls
  - PSP and on-ramps

Scale 1:2,000 at A4   
0      25      50  
metres

Coord. Sys. GDA 1994 MGA Zone 50



Job No: 58540

Client: Main Roads

Version: A

Date: 12-Feb-2021

Drawn By: hsullivan

Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

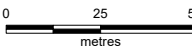
**FIGURE 2**

**PAGE 7**





- Legend:**
- Development envelope
  - Noise walls
  - PSP and on-ramps

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50 

Job No: 58540

Client: Main Roads

Version: A Date: 12-Feb-2021

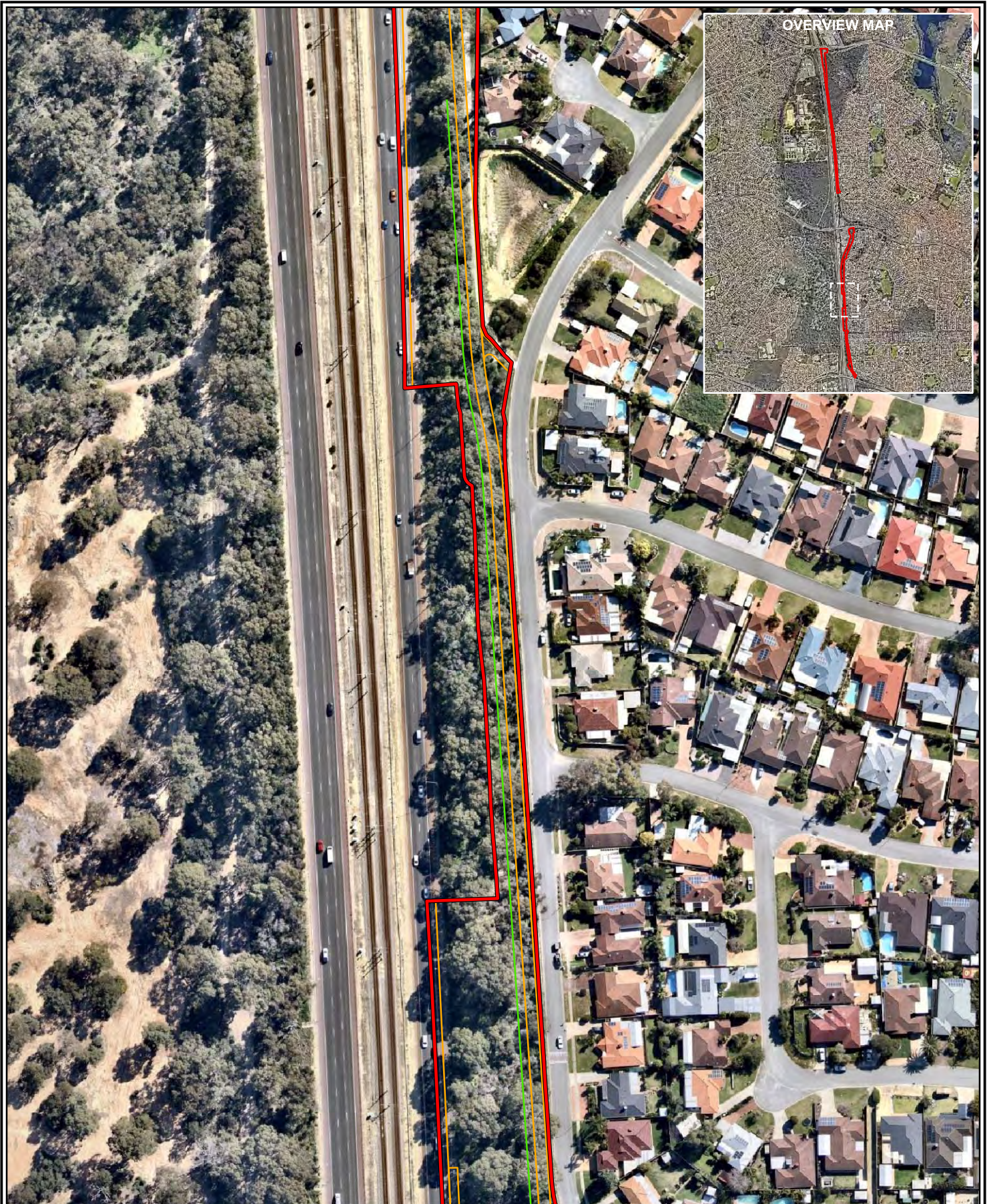
Drawn By: hsullivan Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

**FIGURE 2 PAGE 8**





- Legend:**
- Development envelope
  - Noise walls
  - PSP and on-ramps

Scale 1:2,000 at A4   
 0      25      50  
 metres

Coord. Sys. GDA 1994 MGA Zone 50



Job No: 58540

Client: Main Roads

Version: A

Date: 12-Feb-2021

Drawn By: hsullivan

Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

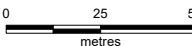
**FIGURE 2**


**PAGE 9**





- Legend:**
- Development envelope
  - Noise walls
  - PSP and on-ramps

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50 

Job No: 58540

Client: Main Roads

Version: A      Date: 12-Feb-2021

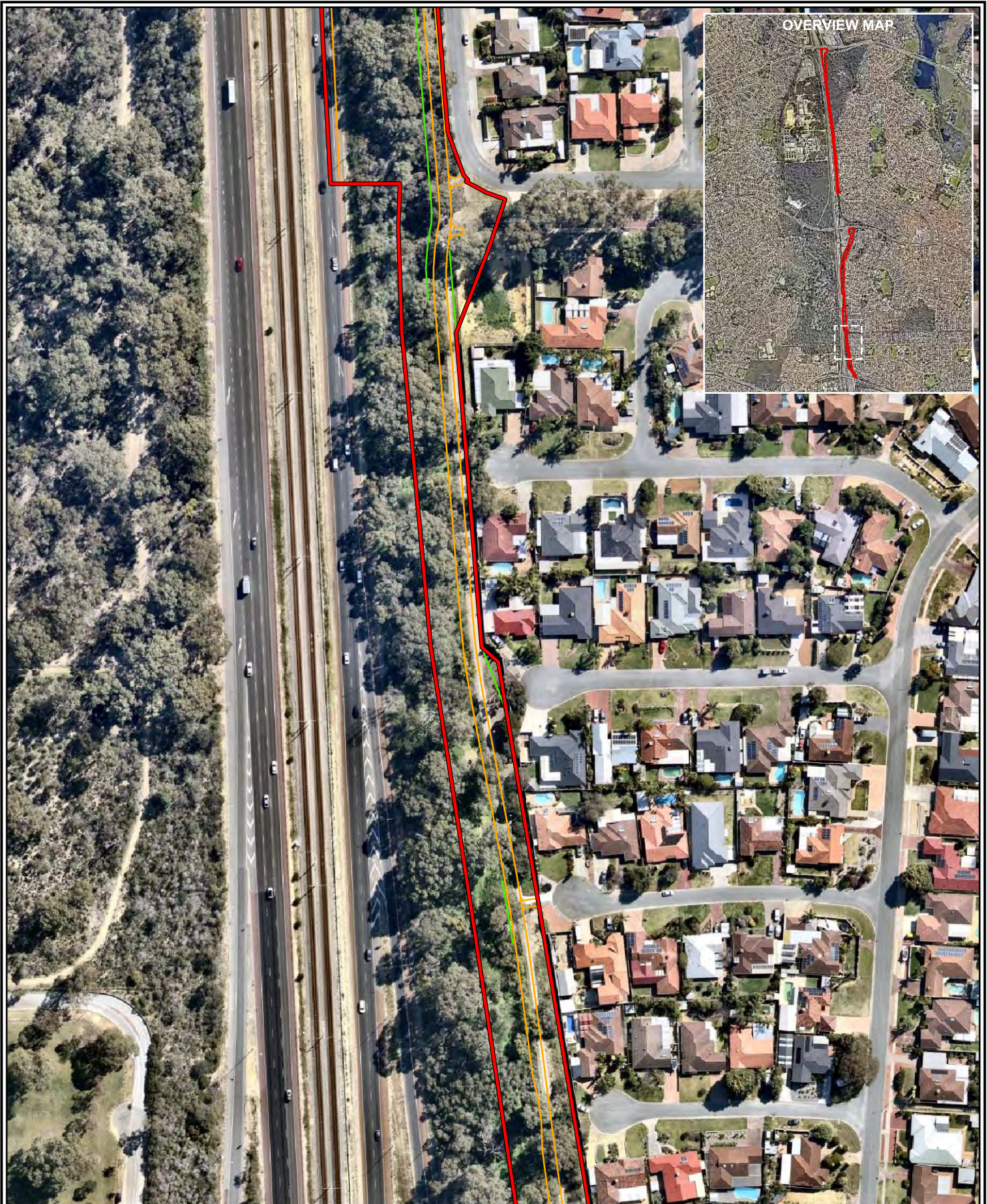
Drawn By: hsullivan      Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

**FIGURE 2      PAGE 10**





- Legend:**
- Development envelope
  - Noise walls
  - PSP and on-ramps

Scale 1:2,000 at A4  0 25 50 metres

Coord. Sys. GDA 1994 MGA Zone 50



Job No: 58540

Client: Main Roads

Version: A

Date: 12-Feb-2021

Drawn By: hsullivan

Checked By: CT

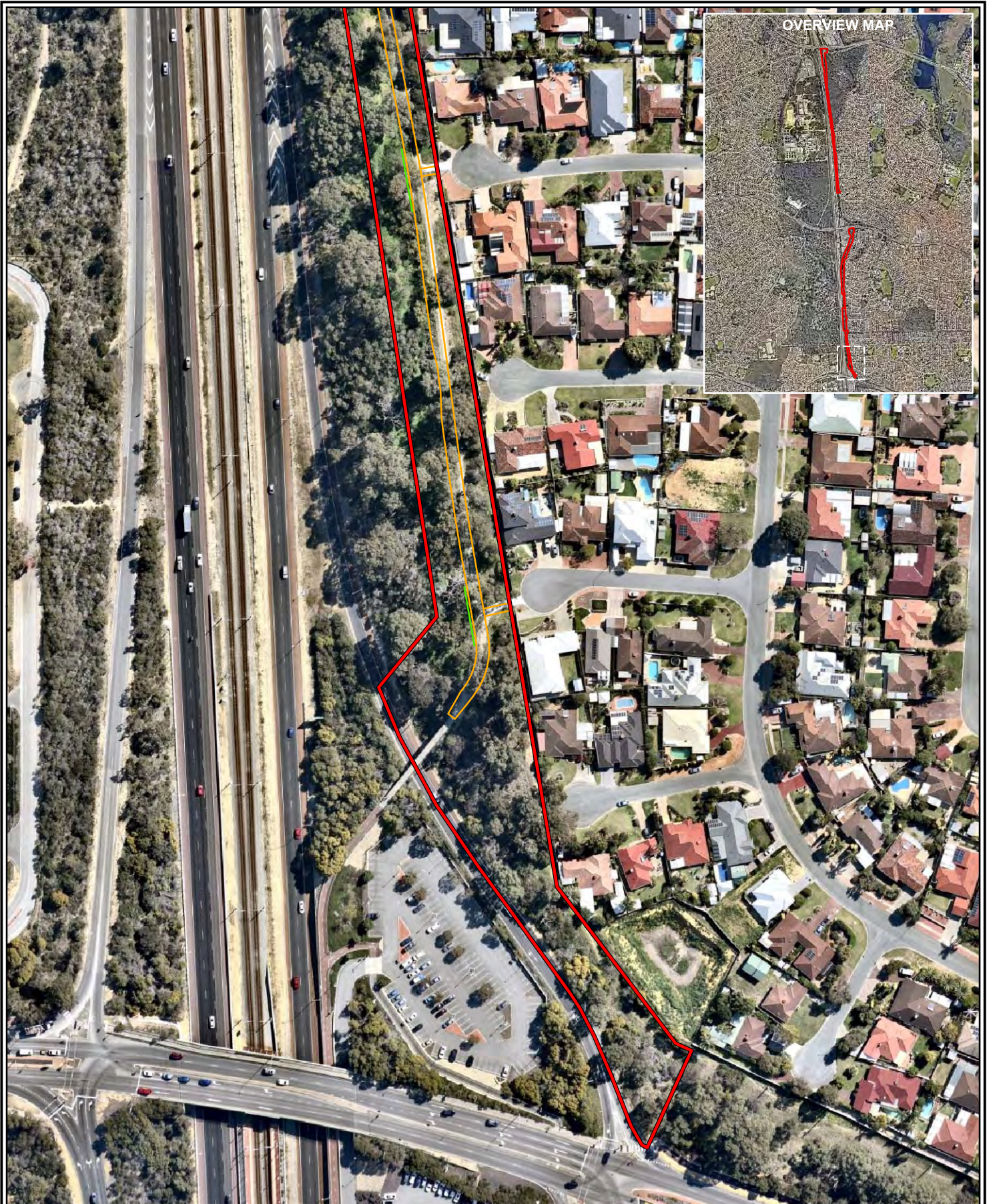
**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

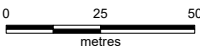
**FIGURE 2**


**PAGE 11**





- Legend:**
- Development envelope
  - Noise walls
  - PSP and on-ramps

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50 

Job No: 58540

Client: Main Roads

Version: A Date: 12-Feb-2021

Drawn By: hsullivan Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**PROPOSED ACTION DESIGN DRAWINGS**

**FIGURE 2 PAGE 12**

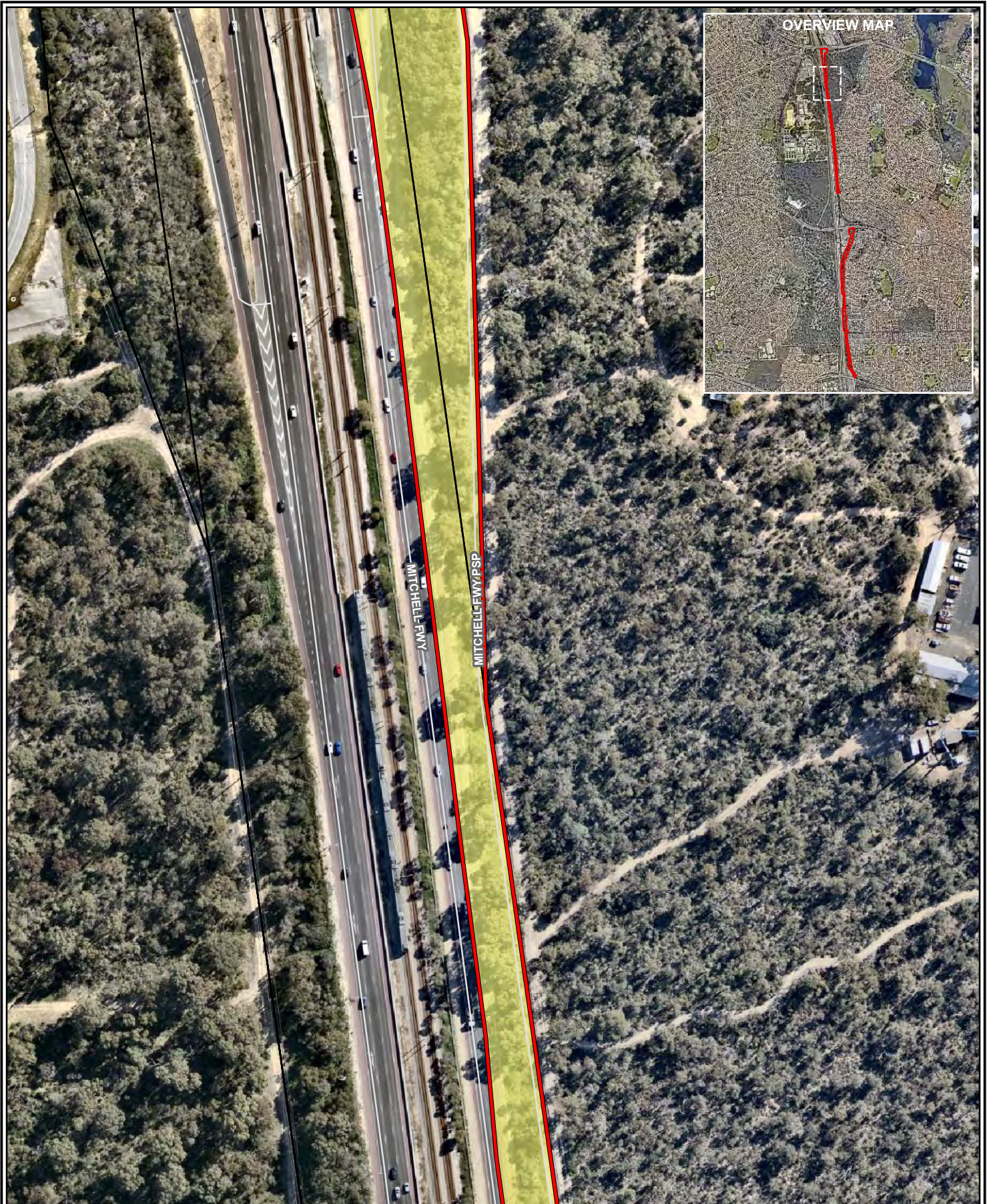




**Figure 3 – Alternatives Considered**



<b>Legend:</b> Development envelope Preliminary development envelope Cadastral boundary Local and regional roads	Scale 1:2,000 at A4		<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>
	Coord. Sys. GDA 1994 MGA Zone 50		
	Job No: 58540		<b>FIGURE 3</b> <span style="float: right;"><b>PAGE 1 of 12</b></span>
	Client: Main Roads		
	Version: A	Date: 16-Feb-2021	
	Drawn By: hsullivan	Checked By: CT	



<b>Legend:</b> Development envelope Preliminary development envelope Cadastral boundary Local and regional roads	Scale 1:2,000 at A4				<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>  <b>ALTERNATIVES CONSIDERED</b>
	Coord. Sys. GDA 1994 MGA Zone 50				
	Job No: 58540				<b>FIGURE 3</b> <span style="float: right;"><b>PAGE 2 of 12</b></span>
	Client: Main Roads				
	Version: A	Date: 16-Feb-2021			
Drawn By: hsullivan	Checked By: CT				



<b>Legend:</b> Development envelope Preliminary development envelope Cadastral boundary Local and regional roads	Scale 1:2,000 at A4			<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>	
	Coord. Sys. GDA 1994 MGA Zone 50				<b>ALTERNATIVES CONSIDERED</b>
	Job No: 58540				
	Client: Main Roads		<b>FIGURE 3</b>	<b>PAGE 3 of 12</b>	
	Version: A	Date: 16-Feb-2021			
	Drawn By: hsullivan	Checked By: CT			



**Legend:**

- Development envelope
- Preliminary development envelope
- Cadastral boundary
- Local and regional roads

Scale 1:2,000 at A4   
 0 25 50  
 metres

Coord. Sys. GDA 1994 MGA Zone 50



Job No: 58540

Client: Main Roads

Version: A

Date: 16-Feb-2021

Drawn By: hsullivan

Checked By: CT

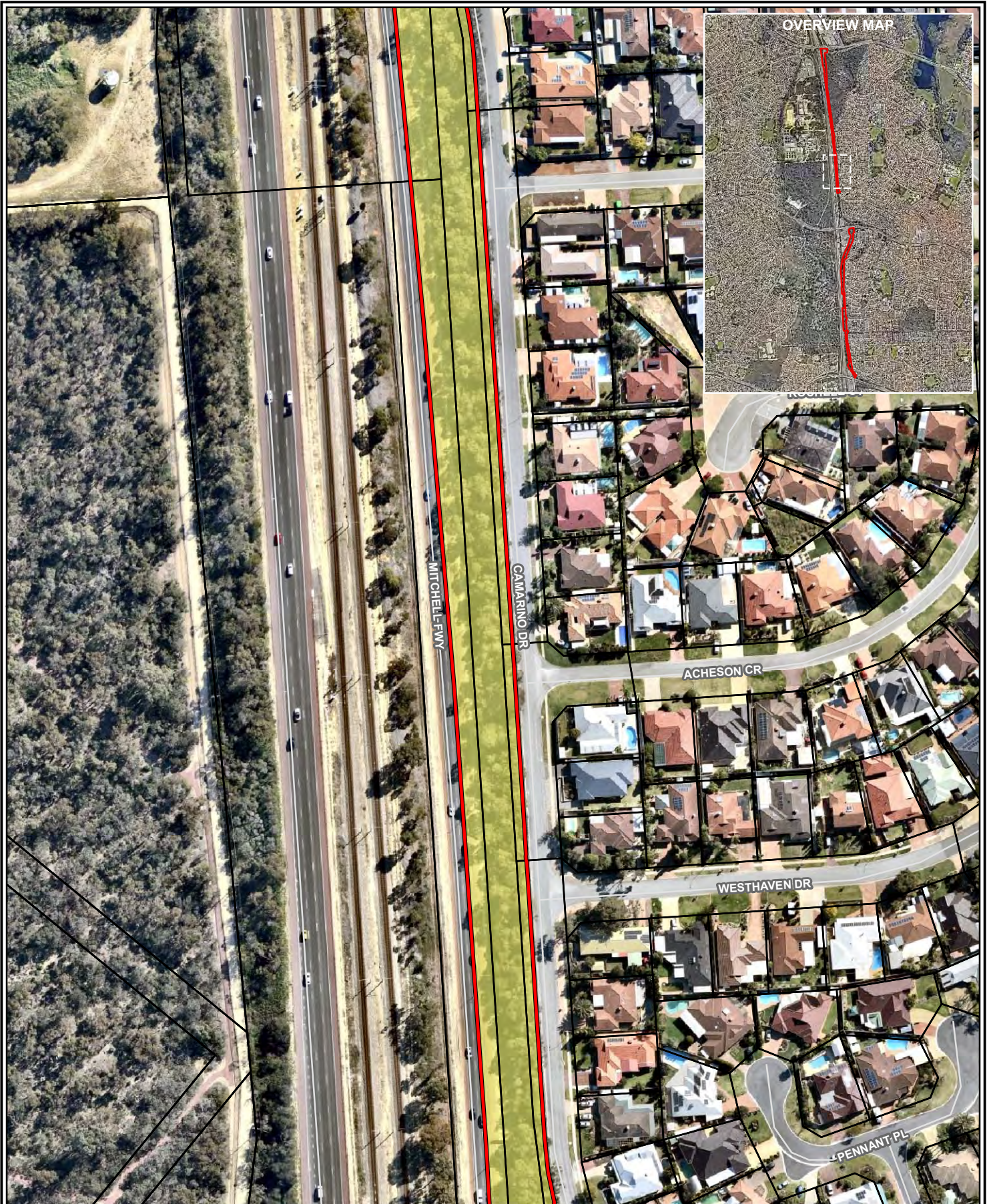
**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**ALTERNATIVES CONSIDERED**

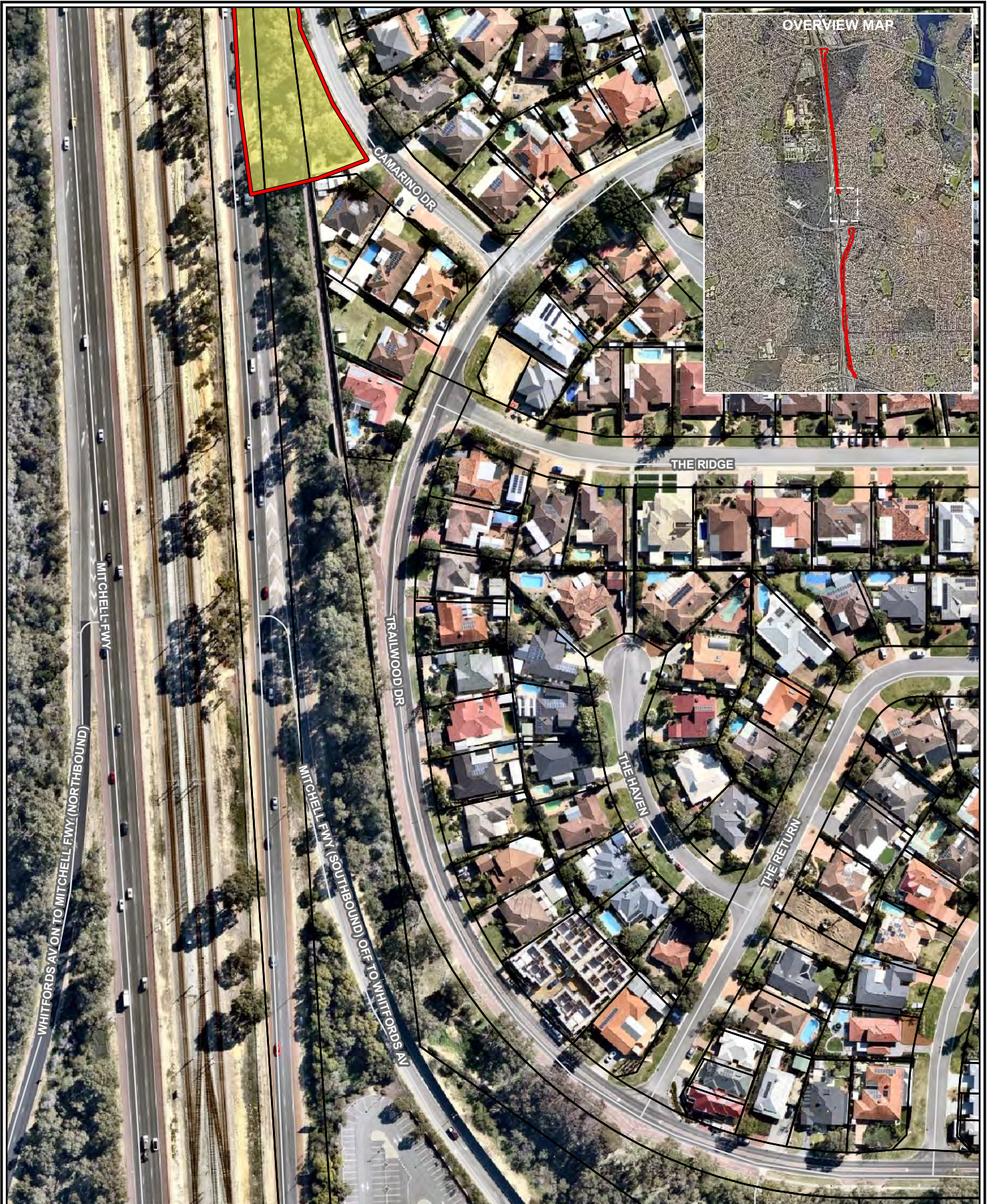
**FIGURE 3**

**PAGE 4 of 12**





<b>Legend:</b> Development envelope Preliminary development envelope Cadastral boundary Local and regional roads		Scale 1:2,000 at A4 	<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>
Coord. Sys. GDA 1994 MGA Zone 50 		<b>ALTERNATIVES CONSIDERED</b>	
Job No: 58540 Client: Main Roads		<b>FIGURE 3</b> <span style="float: right;"><b>PAGE 5 of 12</b></span>	
Version: A Drawn By: hsullivan	Date: 16-Feb-2021 Checked By: CT		



<b>Legend:</b> Development envelope Preliminary development envelope Cadastral boundary Local and regional roads	Scale 1:2,000 at A4	<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>  <b>ALTERNATIVES CONSIDERED</b>
	Coord. Sys. GDA 1994 MGA Zone 50	
	Job No: 58540 Client: Main Roads	<b>FIGURE 3</b> <span style="float: right;"><b>PAGE 6 of 12</b></span>
	Version: A Drawn By: hsullivan	
	Date: 16-Feb-2021 Checked By: CT	



- Legend:**
- Development envelope
  - Preliminary development envelope
  - Cadastral boundary
  - Local and regional roads

Scale 1:2,000 at A4   
 0 25 50  
 metres

Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

Client: Main Roads

Version: A Date: 16-Feb-2021

Drawn By: hsullivan Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**ALTERNATIVES CONSIDERED**

**FIGURE 3** **PAGE 7 of 12**







**Legend:**

- Development envelope
- Preliminary development envelope
- Cadastral boundary
- Local and regional roads

Scale 1:2,000 at A4 0      25      50  
metres

Coord. Sys. GDA 1994 MGA Zone 50



Job No: 58540

Client: Main Roads

Version: A

Date: 16-Feb-2021

Drawn By: hsullivan

Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**ALTERNATIVES CONSIDERED**

**FIGURE 3**

**PAGE 8 of 12**

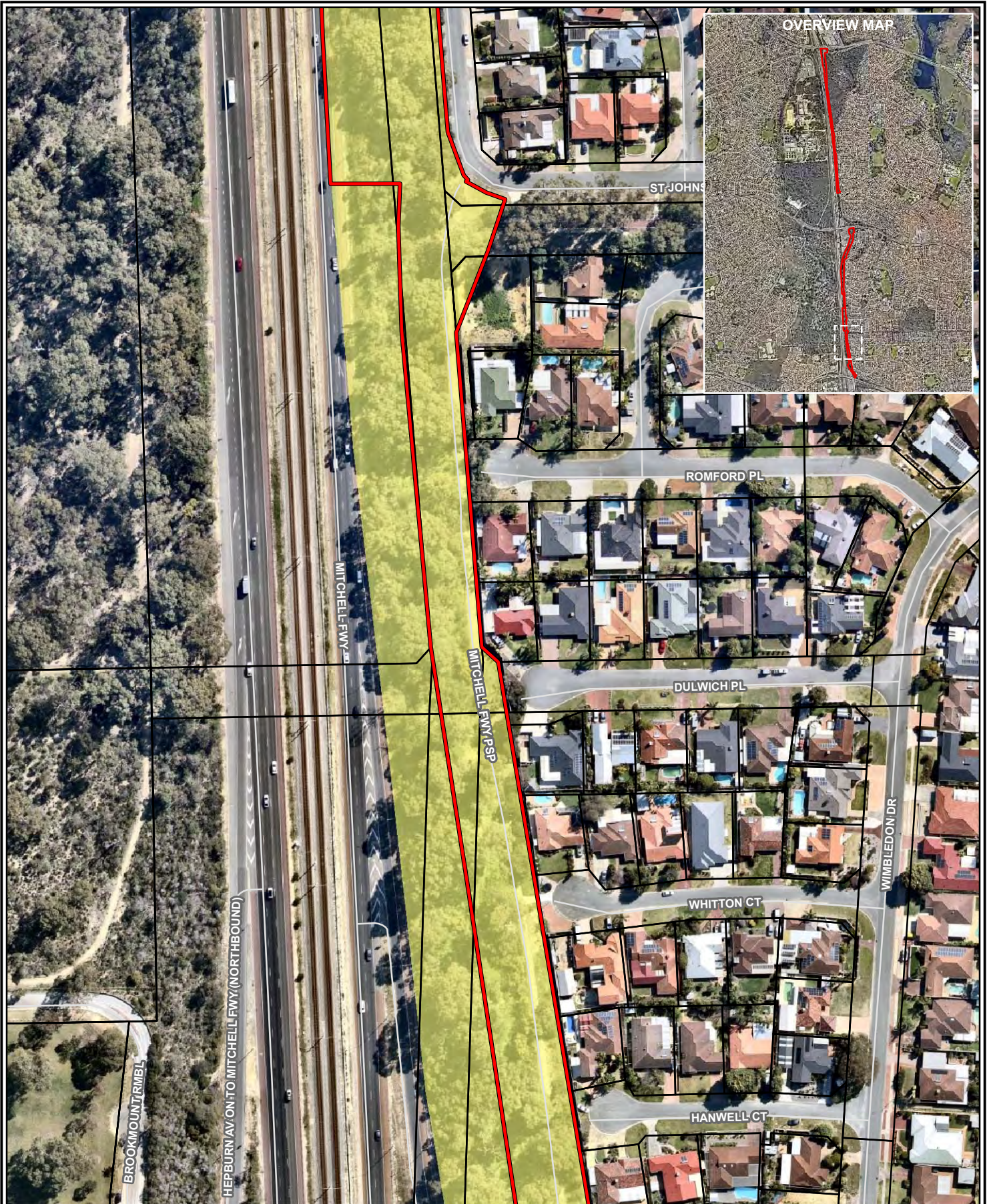




<b>Legend:</b> Development envelope Preliminary development envelope Cadastral boundary Local and regional roads		Scale 1:2,000 at A4  Coord. Sys. GDA 1994 MGA Zone 50 	<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>  <b>ALTERNATIVES CONSIDERED</b>
Job No: 58540 Client: Main Roads Version: A Drawn By: hsullivan		Date: 16-Feb-2021 Checked By: CT	<b>FIGURE 3</b> <span style="float: right;"><b>PAGE 9 of 12</b></span>  



<b>Legend:</b> Development envelope Preliminary development envelope Cadastral boundary Local and regional roads	Scale 1:2,000 at A4	<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>  <b>ALTERNATIVES CONSIDERED</b>
	Coord. Sys. GDA 1994 MGA Zone 50	
	Job No: 58540	<b>FIGURE 3</b> <span style="float: right;"><b>PAGE 10 of 12</b></span>
	Client: Main Roads	
Version: A	Date: 16-Feb-2021	
Drawn By: hsullivan	Checked By: CT	



<b>Legend:</b> Development envelope Preliminary development envelope Cadastral boundary Local and regional roads	Scale 1:2,000 at A4				<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>
	Coord. Sys. GDA 1994 MGA Zone 50				
	Job No: 58540				
	Client: Main Roads				
	Version: A	Date: 16-Feb-2021			<b>FIGURE 3</b>
Drawn By: hsullivan	Checked By: CT				

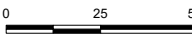



<b>Legend:</b> Development envelope Preliminary development envelope Cadastral boundary Local and regional roads	Scale 1:2,000 at A4		<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>
	Coord. Sys. GDA 1994 MGA Zone 50		
	Job No: 58540		<b>FIGURE 3</b> <span style="float: right;"><b>PAGE 12 of 12</b></span>
	Client: Main Roads		
	Version: A	Date: 16-Feb-2021	
Drawn By: hsullivan	Checked By: CT		

**Figure 4 – Vegetation Types**



- Legend:**
- Development envelope
  - Vegetation types
  - Jarrah woodland 2
  - Planted
  - Completely Cleared
  - Local and regional roads

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50 

Job No: 58540

Client: Main Roads

Version: A

Date: 12-Feb-2021

Drawn By: hsullivan

Checked By: CT

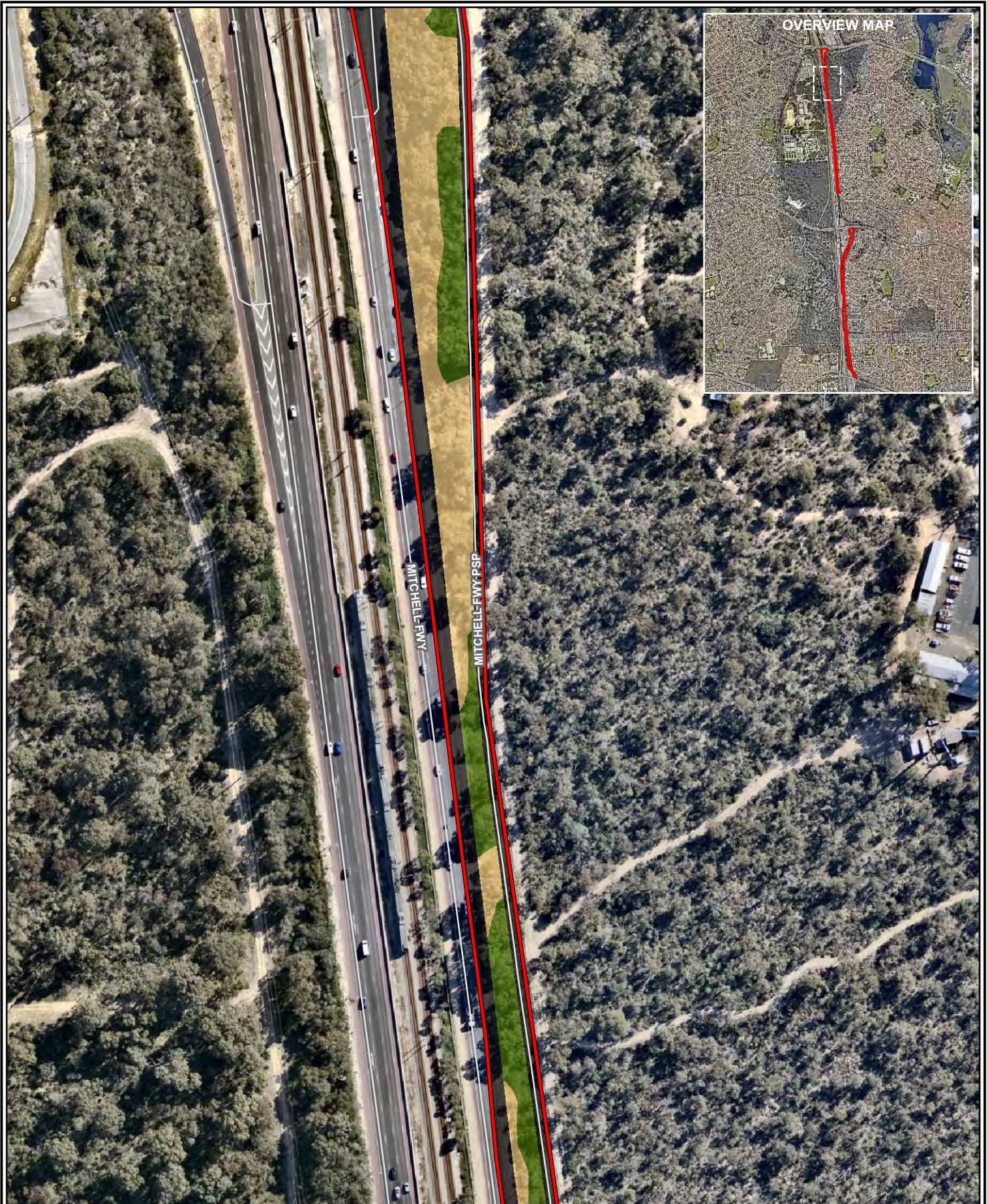
**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**

**FIGURE 4**

**PAGE 1 of 12**





- Legend:**
- Development envelope
  - Vegetation types
    - Jarrah woodland 2
    - Planted
    - Completely Cleared
    - Local and regional roads

Scale 1:2,000 at A4		
Coord. Sys. GDA 1994 MGA Zone 50		
Job No: 58540		
Client: Main Roads		
Version: A	Date: 12-Feb-2021	
Drawn By: hsullivan	Checked By: CT	

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**







- Legend:**
- Development envelope
  - Vegetation types
  - Jarrah woodland 2
  - Planted
  - Completely Cleared
  - Local and regional roads

Scale 1:2,000 at A4			
Coord. Sys. GDA 1994 MGA Zone 50			
Job No: 58540			
Client: Main Roads			
Version: A	Date: 12-Feb-2021		
Drawn By: hsullivan	Checked By: CT		

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**

**FIGURE 4** **PAGE 3 of 12**



- Legend:**
- Development envelope
  - Vegetation types
    - Jarrah woodland 2
    - Planted
    - Completely Cleared
    - Local and regional roads

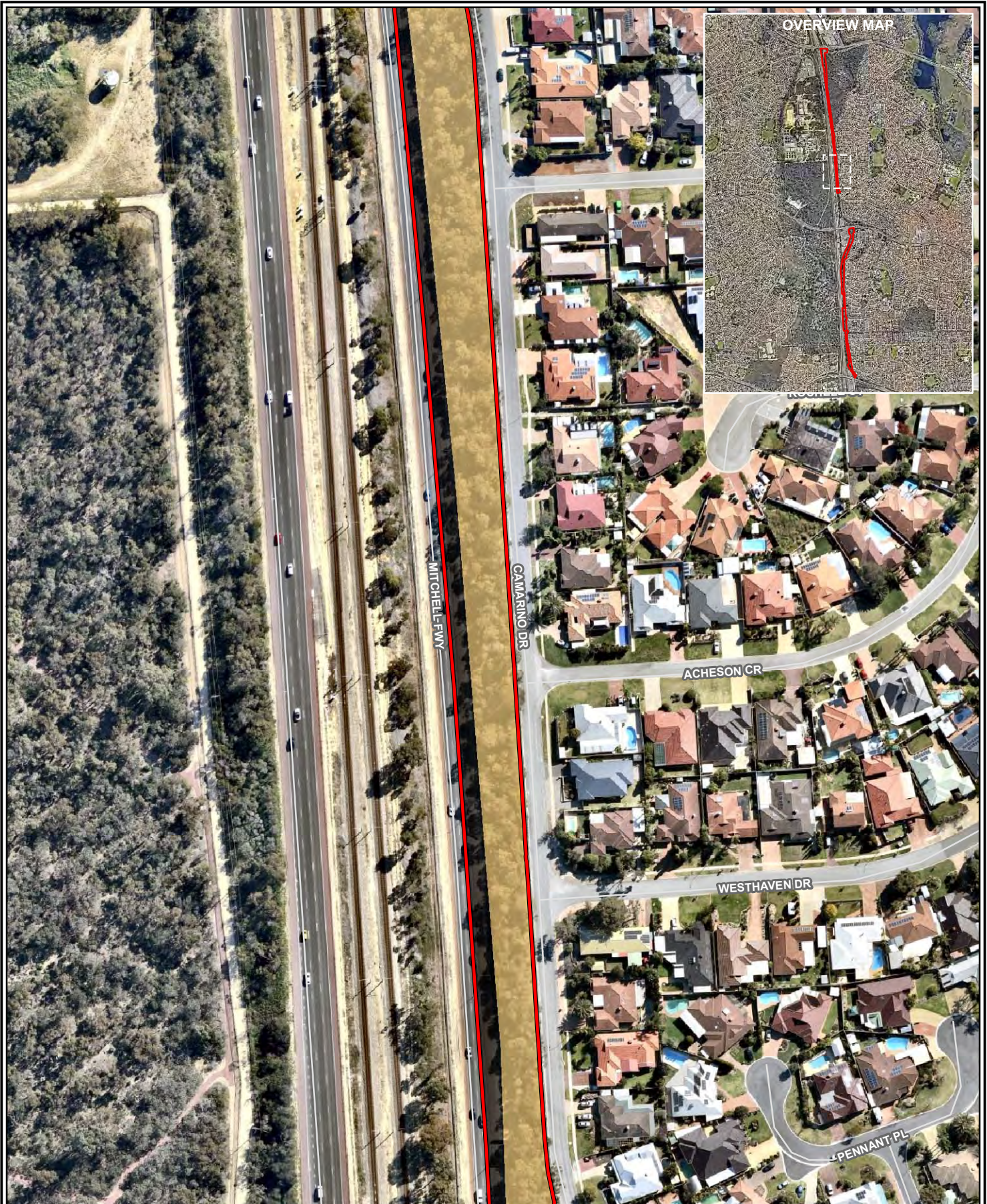
Scale 1:2,000 at A4		
Coord. Sys. GDA 1994 MGA Zone 50		
Job No: 58540		
Client: Main Roads		
Version: A	Date: 12-Feb-2021	
Drawn By: hsullivan	Checked By: CT	

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**



File Name: W:\Projects\1)\Open\Main Roads\58540 Mitchell Freeway Widening\GIS\Maps\Task 7158540\_04\_VegTypes.mxd  
 Image Reference: www.nearmap.com - Imagery Date: 30 August 2020.



- Legend:**
- Development envelope
  - Vegetation types
  - Planted
  - Completely Cleared
  - Local and regional roads

Scale 1:2,000 at A4   
 0 25 50  
 metres

Coord. Sys. GDA 1994 MGA Zone 50 ↑

Job No: 58540

Client: Main Roads

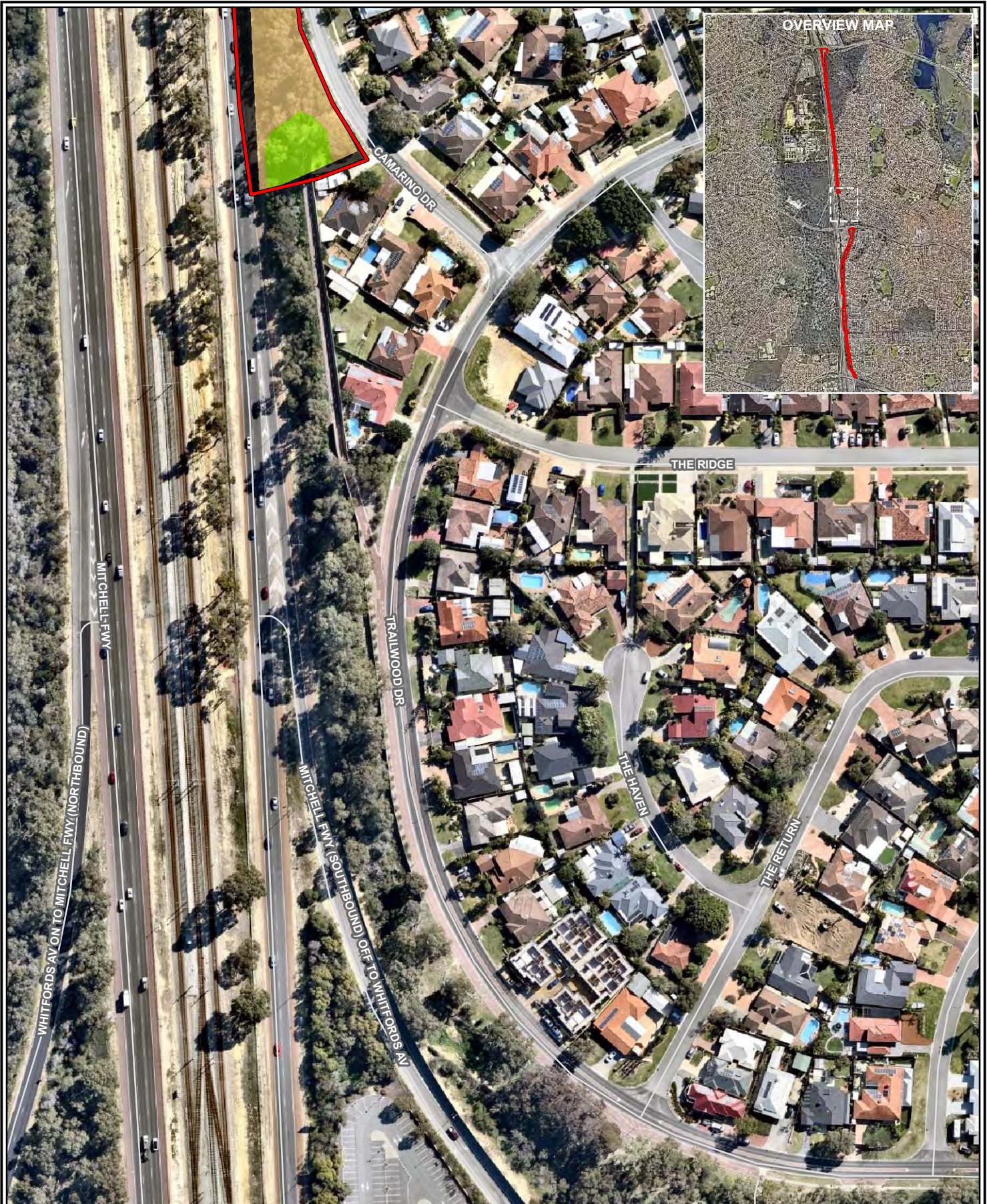
Version: A Date: 12-Feb-2021

Drawn By: hsullivan Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**





- Legend:**
- Development envelope
  - Vegetation types
    - Tuart forest 2
    - Planted
    - Completely Cleared
    - Local and regional roads

Scale 1:2,000 at A4			
Coord. Sys. GDA 1994 MGA Zone 50			
Job No: 58540			
Client: Main Roads			
Version: A	Date: 12-Feb-2021		
Drawn By: hsullivan	Checked By: CT		

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**





- Legend:**
- Development envelope
  - Vegetation types
  - Tuart forest 2
  - Planted
  - Completely Cleared
  - Local and regional roads

Scale 1:2,000 at A4  0 25 50 metres

Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

Client: Main Roads

Version: A

Drawn By: hsullivan

Date: 12-Feb-2021

Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**

**FIGURE 4**

**PAGE 7 of 12**





- Legend:**
- Development envelope
  - Vegetation types
  - Tuart forest 2
  - Planted
  - Completely Cleared
  - Local and regional roads

Scale 1:2,000 at A4			
Coord. Sys. GDA 1994 MGA Zone 50			
Job No: 58540			
Client: Main Roads			
Version: A	Date: 12-Feb-2021		
Drawn By: hsullivan	Checked By: CT		

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**



File Name: W:\Projects\1)\Open\Main Roads\58540 Mitchell Freeway Widening\GIS\Maps\Task 7158540\_04\_VegTypes.mxd  
 Image Reference: www.nearmap.com - Imagery Date: 30 August 2020.



- Legend:**
- Development envelope
  - Vegetation types
    - Tuart forest 2
    - Planted
    - Completely Cleared
    - Local and regional roads

Scale 1:2,000 at A4		
Coord. Sys. GDA 1994 MGA Zone 50		
Job No: 58540		
Client: Main Roads		
Version: A	Date: 12-Feb-2021	
Drawn By: hsullivan	Checked By: CT	

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

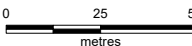
**VEGETATION TYPES**


**FIGURE 4 PAGE 9 of 12**





- Legend:**
- Development envelope
  - Vegetation types
  - Tuart forest 2
  - Planted
  - Completely Cleared
  - Local and regional roads

Scale 1:2,000 at A4 

Coord. Sys. GDA 1994 MGA Zone 50 

Job No: 58540

Client: Main Roads

Version: A Date: 12-Feb-2021

Drawn By: hsullivan Checked By: CT

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**



File Name: W:\Projects\1)\Open\Main Roads\58540 Mitchell Freeway Widening\GIS\Maps\Task 7158540\_04\_VegTypes.mxd  
 Image Reference: www.nearmap.com - Imagery Date: 30 August 2020.





- Legend:**
- Development envelope
  - Vegetation types
  - Tuart forest 2
  - Planted
  - Completely Cleared
  - Local and regional roads

Scale 1:2,000 at A4		
Coord. Sys. GDA 1994 MGA Zone 50		
Job No: 58540		
Client: Main Roads		
Version: A	Date: 12-Feb-2021	
Drawn By: hsullivan	Checked By: CT	

**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**





- Legend:**
- Development envelope
  - Vegetation types
  - Tuart forest 2
  - Planted
  - Completely Cleared
  - Local and regional roads

Scale 1:2,000 at A4		0 25 50 metres	
Coord. Sys. GDA 1994 MGA Zone 50		↑	
Job No: 58540			
Client: Main Roads			
Version: A	Date: 12-Feb-2021		
Drawn By: hsullivan	Checked By: CT		

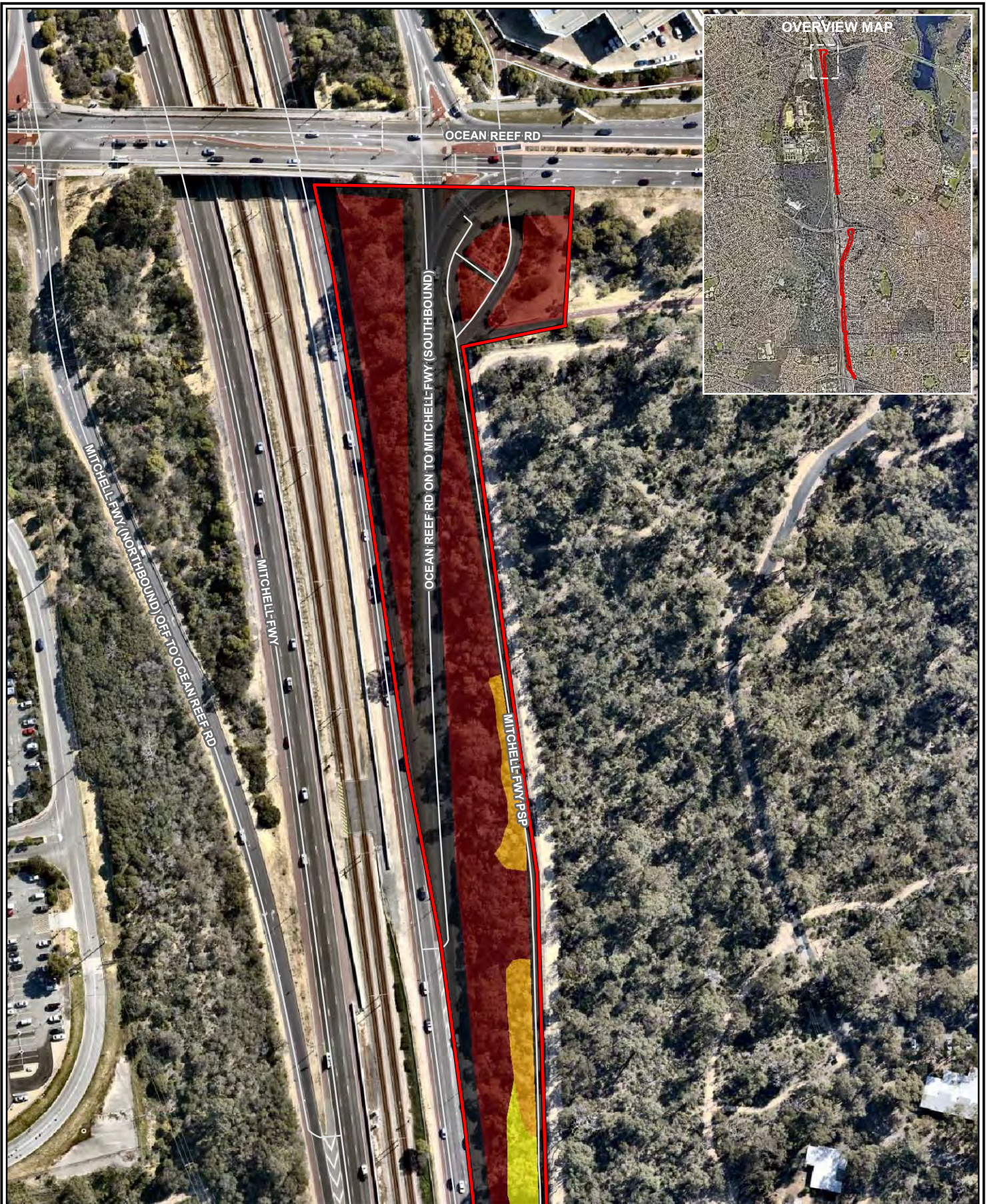
**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION TYPES**



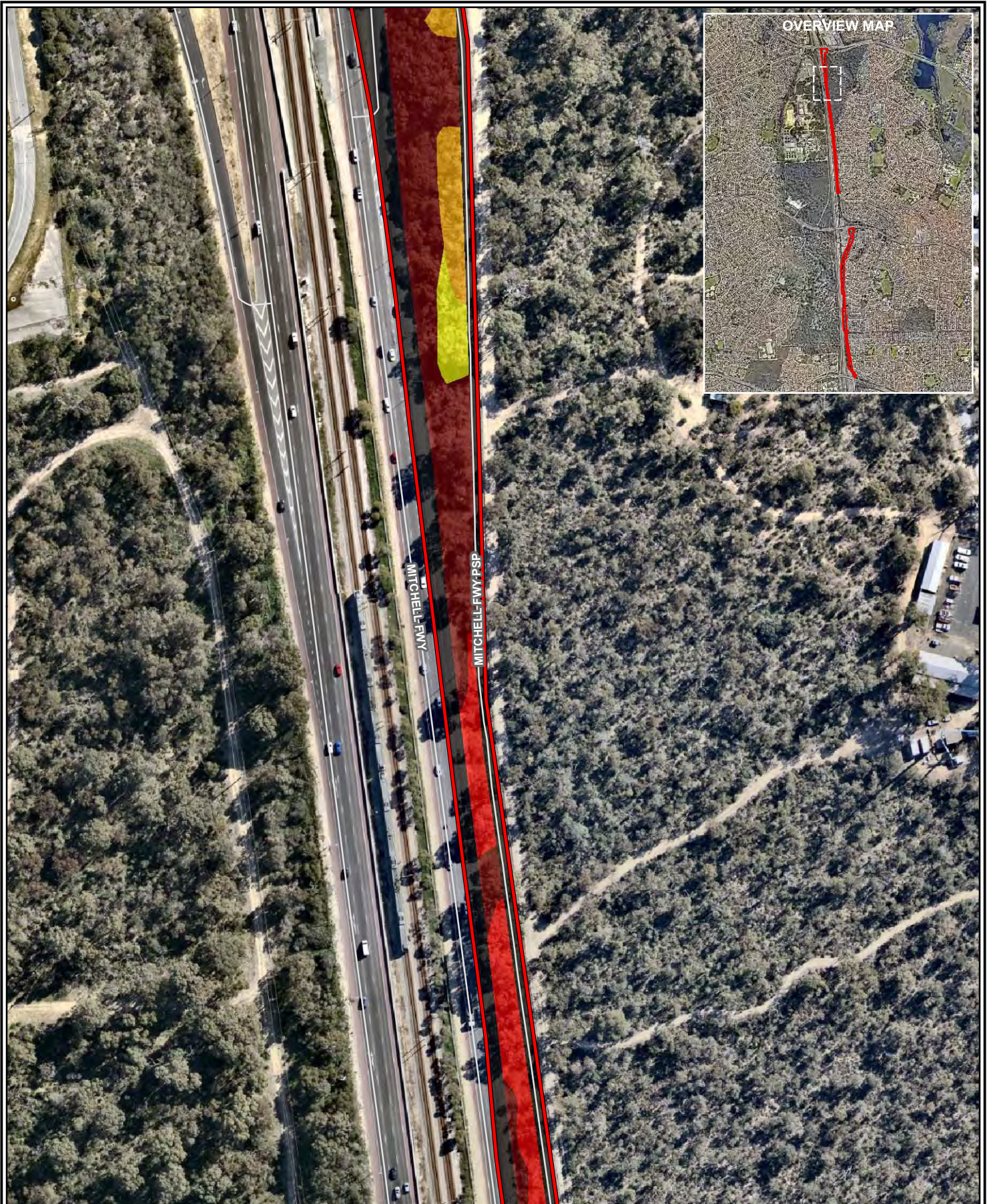
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 Image Reference: www.nearmap.com - Imagery Date: 30 August 2020.

**Figure 5 – Vegetation Condition**



<b>Legend:</b> Development envelope <b>Vegetation condition</b> Degraded Degraded to completely degraded Completely degraded (planted) Cleared Local and regional roads	Scale 1:2,000 at A4		<b>Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)</b>  <b>VEGETATION CONDITION</b>
	Coord. Sys. GDA 1994 MGA Zone 50		
	Job No: 58540		<b>FIGURE 5</b> <span style="float: right;"><b>PAGE 1 of 12</b></span>
	Client: Main Roads		
	Version: A	Date: 12-Feb-2021	
	Drawn By: hsullivan	Checked By: CT	





- Legend:**
- Development envelope
  - Vegetation condition
  - Degraded
  - Degraded to completely degraded
  - Completely degraded
  - Completely degraded (planted)
  - Cleared
  - Local and regional roads

Scale 1:2,000 at A4			
Coord. Sys. GDA 1994 MGA Zone 50			
Job No: 58540			
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**Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)**

**VEGETATION CONDITION**

