

**Appendix B – Declared Area Maps for City of Ballarat**

### 2011 Edition

#### Purpose

Powercor System Diagrams have been prepared to assist Powercor field workers to locate Powercor assets particularly in fault conditions. It is hoped that the introduction of a uniform and accurate book of diagrams will improve system reliability. The diagrams show 66/22/12.7kV network to scale and in colour, substations & switches including pole numbers, spur line names, conductor sizes, land data as supplied by Land Victoria (road centre lines, road names (where available) and water features - river, coast and lakes.) Two styles are available for Edition 5.

**Field Use** for construction & fault crew

**Vegetation Control Use** with Non Fire areas and Declared areas shown

#### Business Benefits

A common business standard for GIS System diagrams across the business will impact through -  
Health & Safety improvement and increased employee satisfaction through Powercor's ability to regularly produce reliable up to date plans.  
Increased accuracy in Outage co-ordination and therefore customer satisfaction.  
Improvement in fault restoration times:  
Plans will enable more effective identification of fault locations and assets impacted by faults.  
Line workers will be able to more easily navigate unfamiliar regions. Increased field employee confidence in information because it has been sourced from the same IT systems the controllers use.

#### Accuracy

The greatest care has been taken to ensure the accuracy of this publication, but users ought not to assume that all features shown on these diagrams are current or as they exist.

### Production

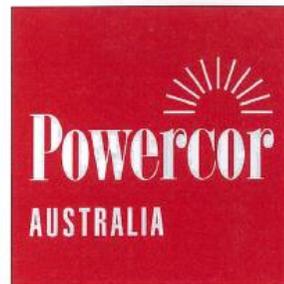
The system diagrams are produced entirely from Powercor's Geographic Information System (GIS)  
Legends and Grid Maps and face sheets are produced on AutoCAD and Powerpoint

#### System Diagram Project Team Members

Julie Long - PCS Project Manager  
Glennis Loe - GIS Operator  
Nick Bath - GIS Specialist Services  
Mark Andrews - Project Sponsor  
Phil Southby - Support

#### Copyright

Copyright 2011 Powercor Australia



# Legends

## 1: 40,000 DSP Legend

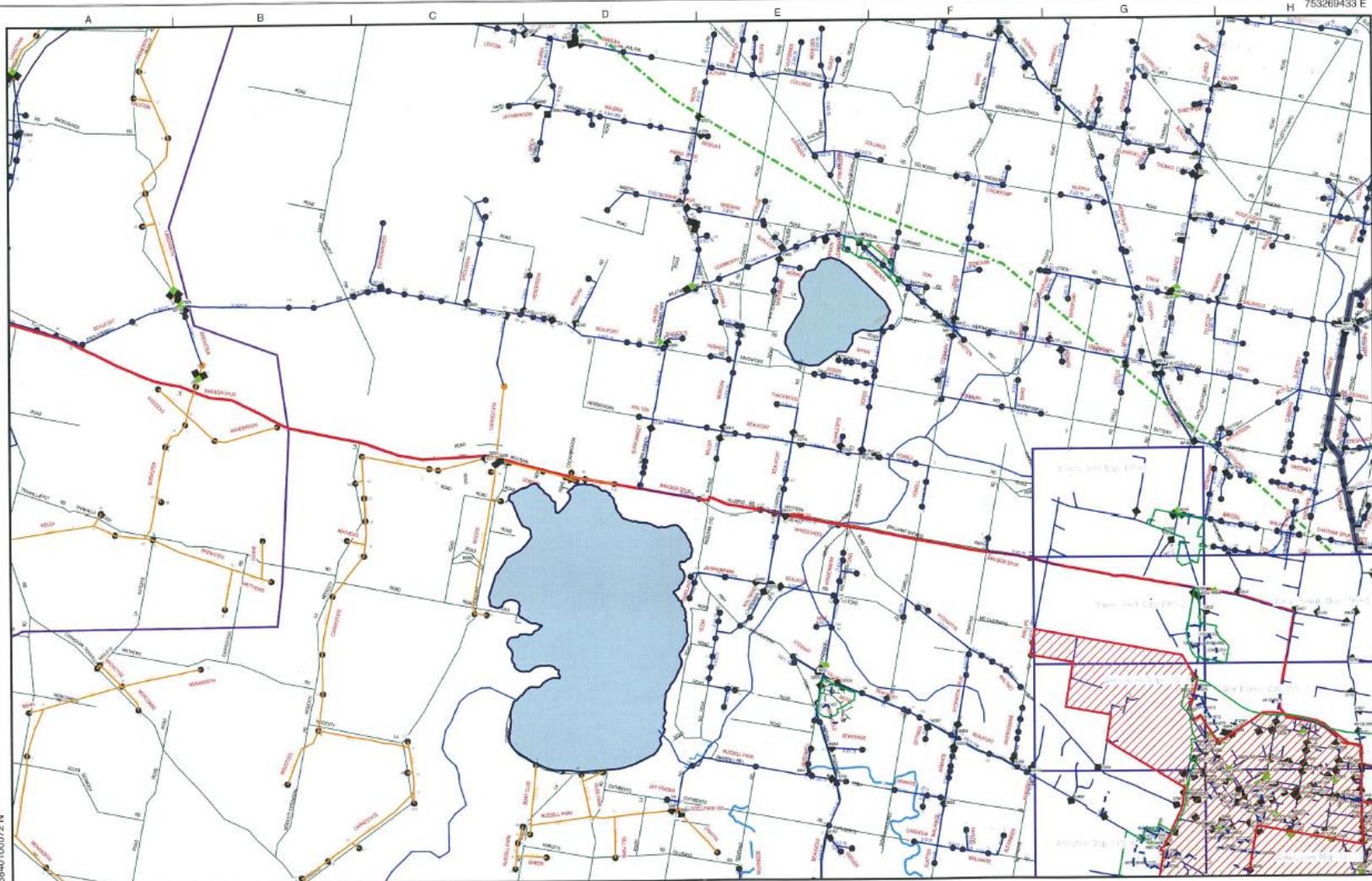
- High Voltage Overhead Line 22kV
- - - High Voltage Underground Cable 22Kv
- Sub Transmission Overhead Line 66kV
- - - Sub Transmission Underground Cable 66kV
- SWER Overhead Line 12.7kV
- - - SWER Underground 12.7kV
- Substation
- Isolating Substation
- SWER ACR
- Fused Switch, EDO, Unfused Switch (Normally Closed)
- Fused Switch, EDO, Unfused Switch (Normally Opened)
- 2-3/12 Conductor number and size
- 36 Pole Number
- Optic Fibre Cable Route
- ■ ■ 220kV Transmission Line

## 1: 5,000 DSP Legend

- High Voltage Overhead Line 22kV
- - - High Voltage Underground Cable 22Kv
- Sub Transmission Overhead Line 66kV
- - - Sub Transmission Underground Cable 66kV
- SWER Overhead Line 12.7kV
- - - SWER Underground 12.7kV
- High Voltage Overhead Line 11kV
- - - High Voltage Underground Cable 11kV
- Substation
- Isolating Substation
- Kiosk Substation
- Ground Type Substation
- Indoor Substation
- 22kV Pole
- 22kV LV Pole
- 66kV Pole
- 66/22kV Pole
- 66/22kV LV Pole
- Unfused Mechanical Switch (Normally Closed)
- Fused Mechanical Switch (Normally Closed)
- Fused Switch, EDO, Unfused Switch (Normally Opened)
- 2-3/12 Conductor number and size
- 36 Pole Number
- Optic Fibre Cable Route
- ■ ■ 220kV Transmission Line

## Vegetation Control Specific Legend

- CFA Non Fire Area Low Rating
- Declared Areas



58°40'00.072 N  
718727422 E

753269433 E  
58°20'47.185 N



**MAP 195**  
CFA 439 Ref 86E 35N  
Vic Roads 58C9

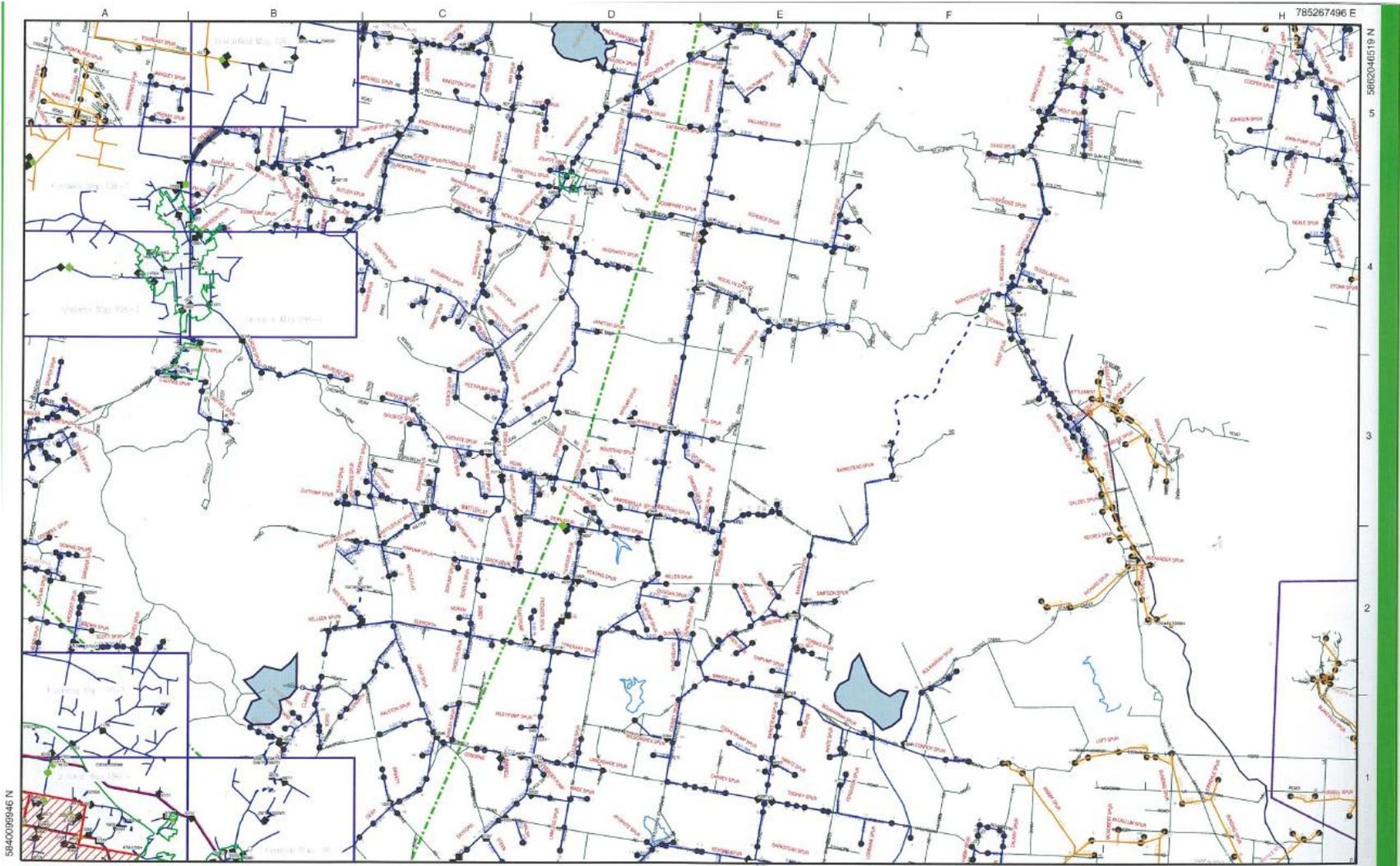


MAP 183	MAP 184	MAP 185
MAP 194	MAP 195	MAP 196
MAP 205	MAP 206	MAP 207



**Vegetation Control**  
**MAP 195**

25/10/2011



5840099946 N  
750726081 E



**MAP 196**  
CFA 398 Ref 18E 37N  
Vic Roads 59B9



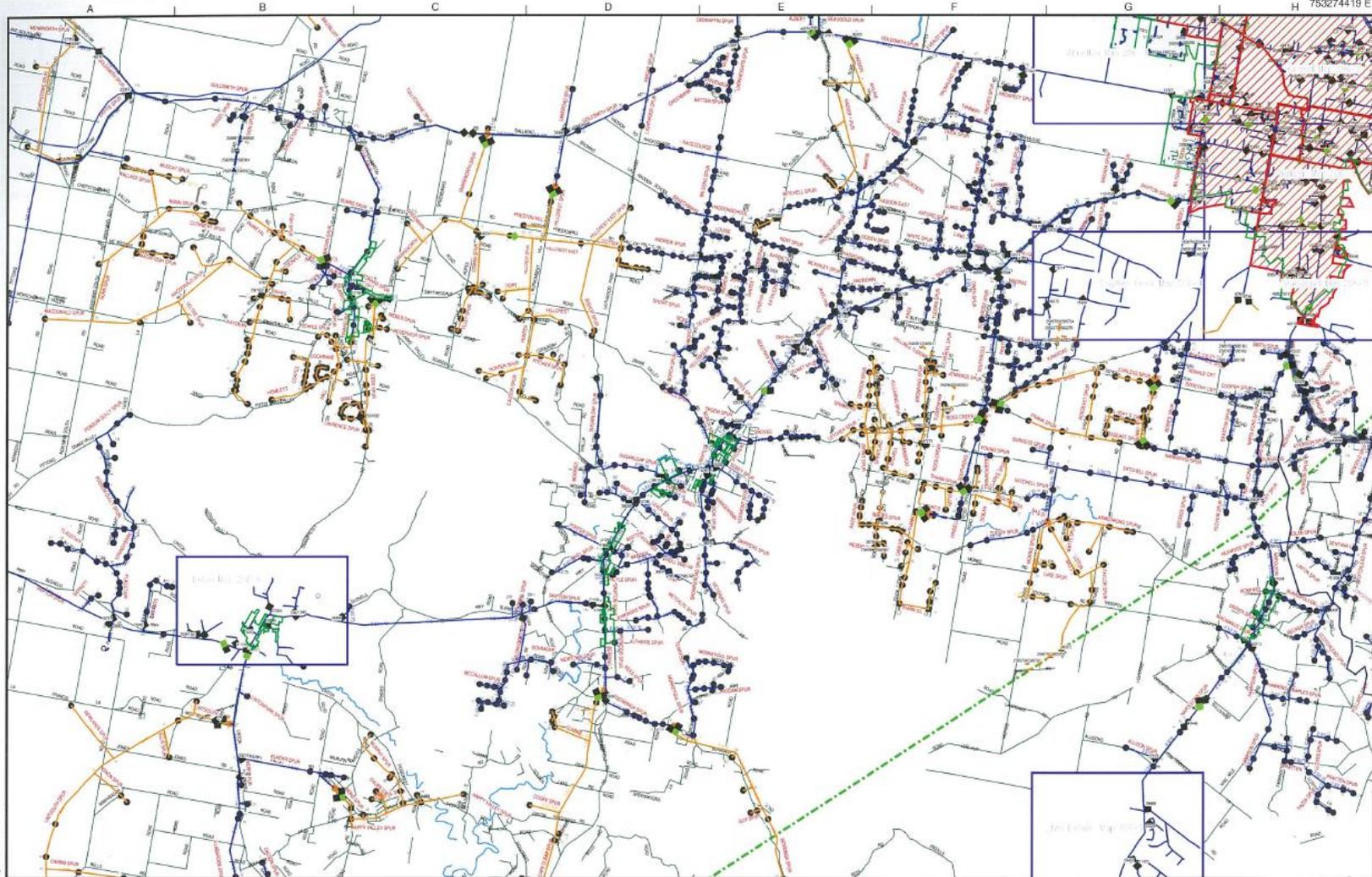
MAP 184	MAP 185	MAP 186
MAP 195	MAP 196	MAP 197
MAP 206	MAP 207	MAP 208

**Vegetation Control**



**MAP 196**

25/10/2011



5820101784 N

718722425 E



**MAP 206**

CFA 439 Ref 87E 15N  
Vic Roads 575L2



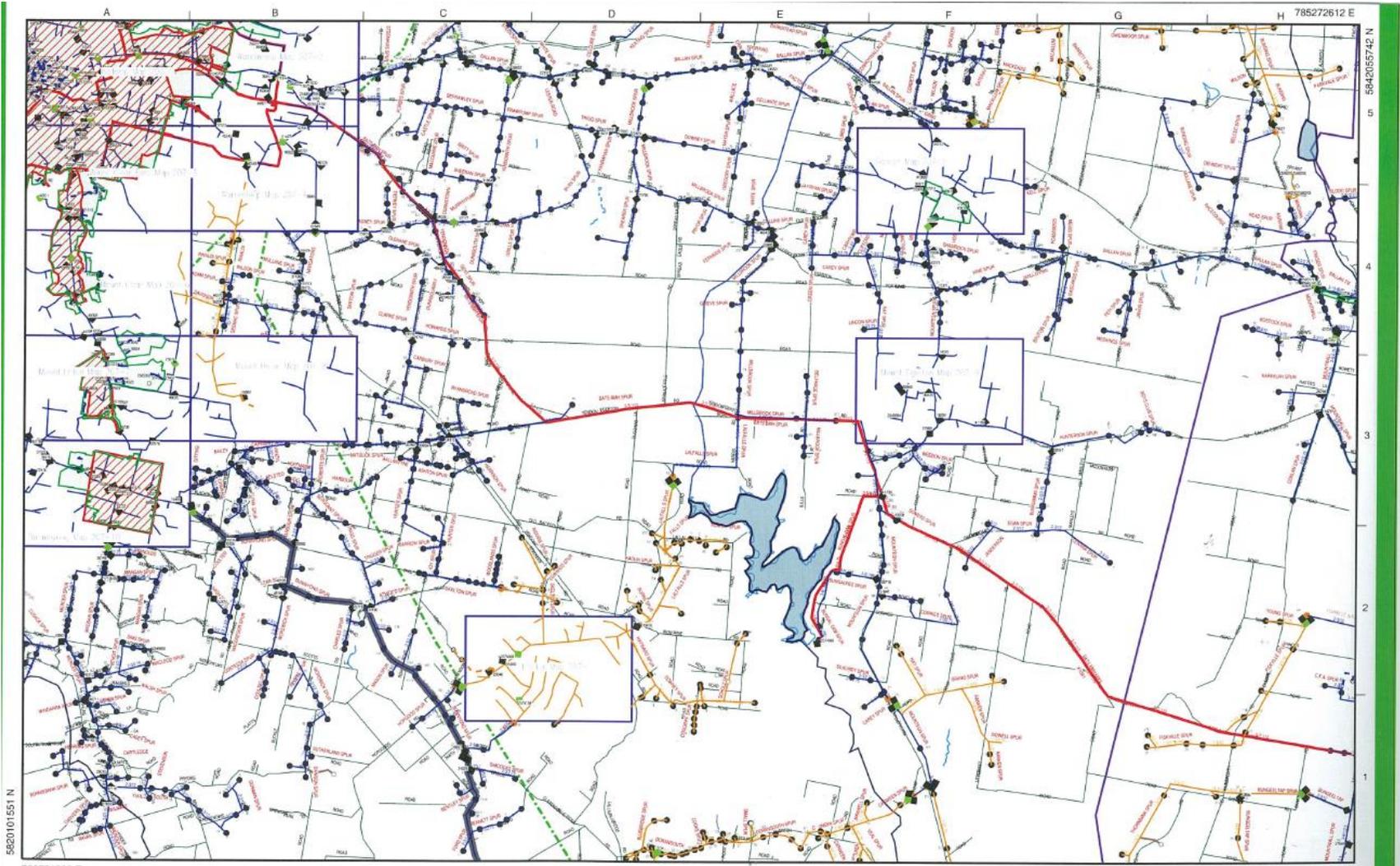
MAP 194	MAP 195	MAP 196
MAP 205	MAP 206	MAP 207
MAP 216	MAP 217	MAP 218



**Vegetation Control**

**MAP 206**

25/10/2011



5820101551 N

750721009 E



**MAP 207**

CFA 441 Ref 19E 17N  
Vic Roads 77B4



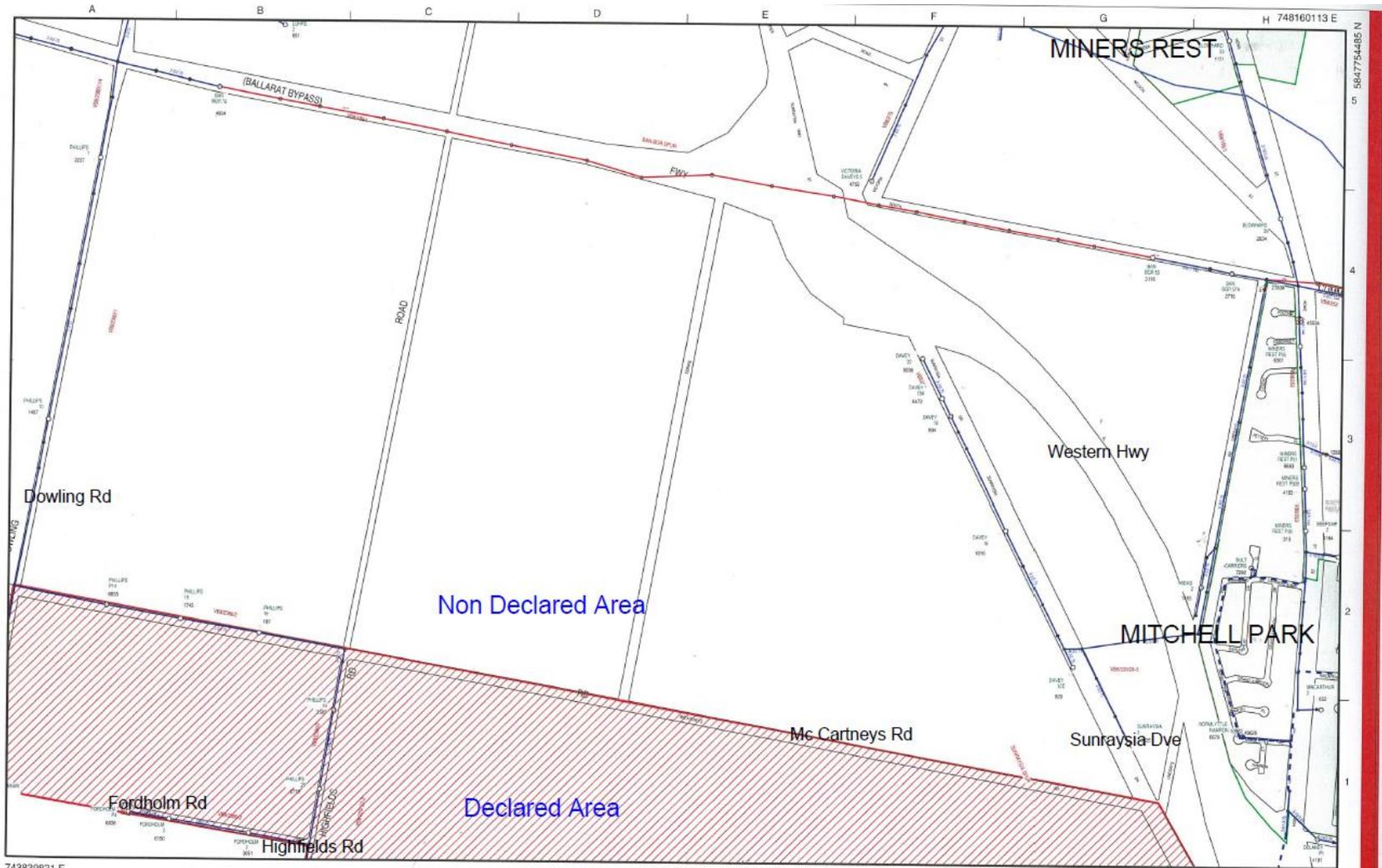
MAP 195	MAP 196	MAP 197
MAP 206	MAP 207	MAP 208
MAP 217	MAP 218	MAP 219

**Vegetation Control**

**MAP 207**



25/10/2011

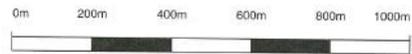


743839831 E



Map 195-2

CFA 439 Ref 96E 32N  
Vic Roads 561L5



City of Ballarat - Declared Area Map

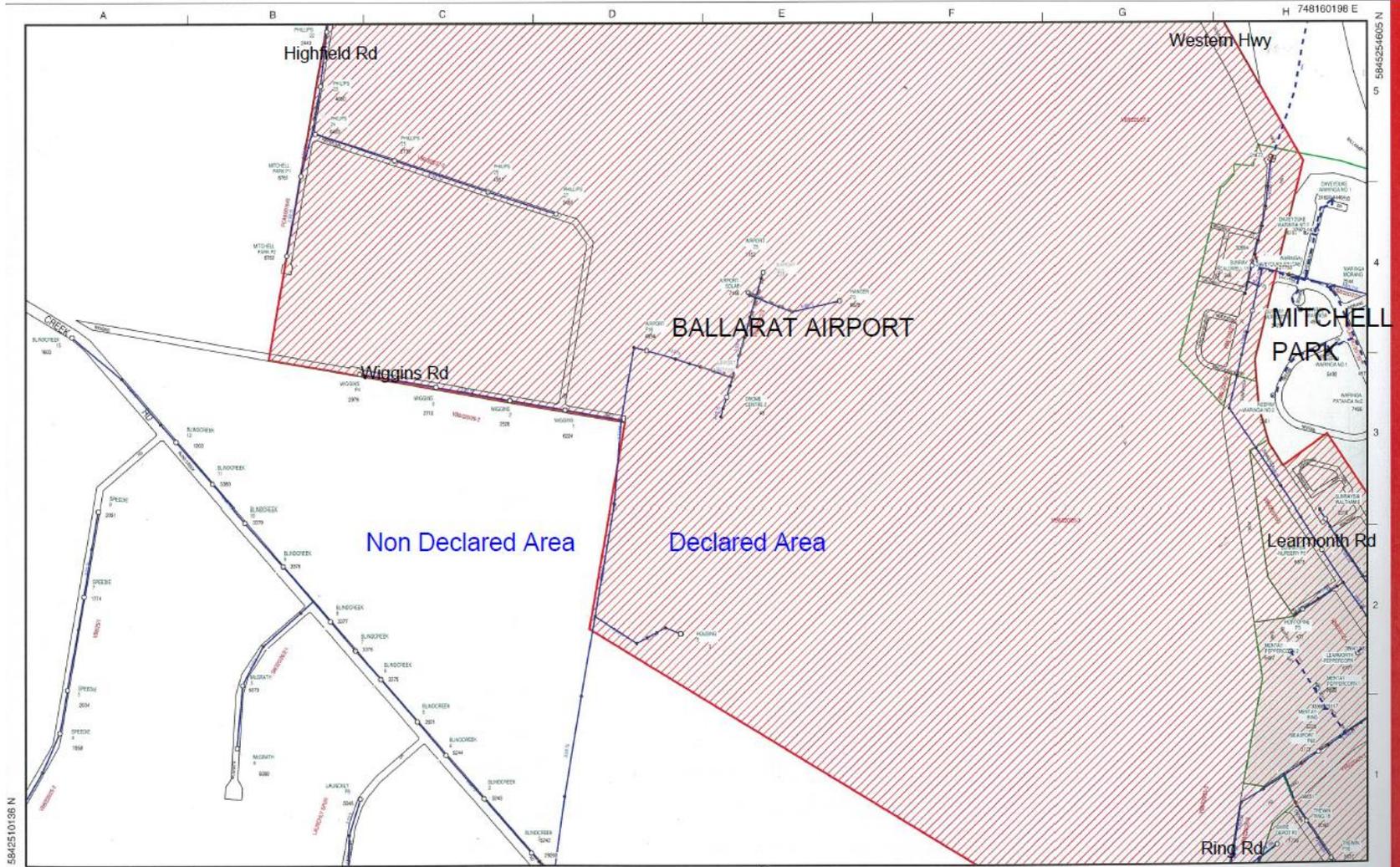
	Map 195-1	
	Map 195-2	Map 195-3
	Map 195-4	Map 195-5



Miners Rest

Map 195-2

26/08/2011

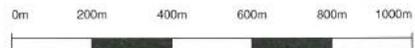


5842510136 N  
743839756 E



**Map 195-4**

CFA 439 Ref 96E 29N  
Vic Roads 561L10



**City of Ballarat - Declared Area Map**

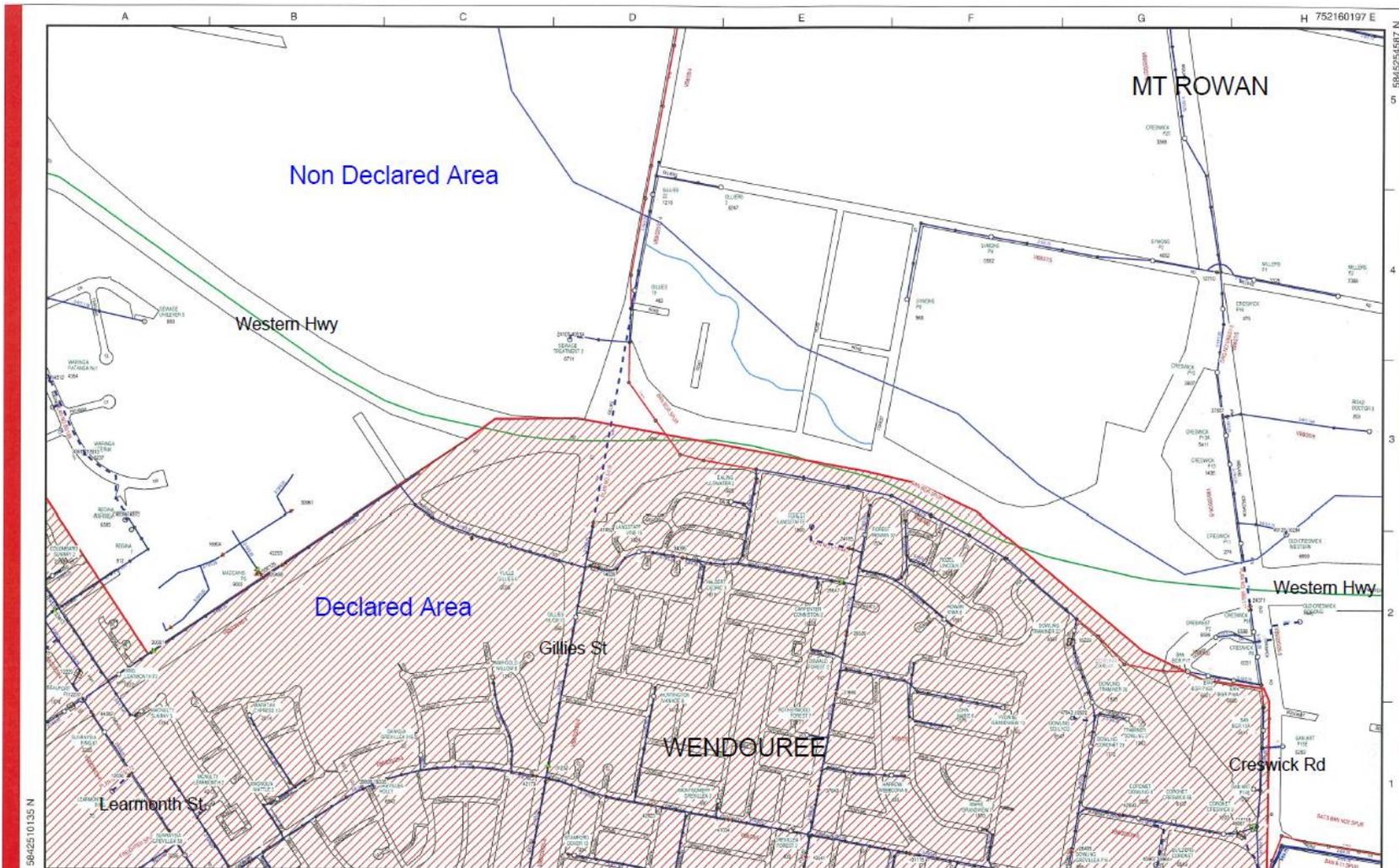
Map 195-2	Map 195-3
Map 195-4	Map 195-5
Map 195-6	Map 195-7



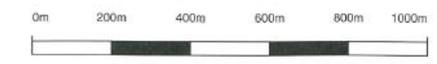
**Wendouree**

**Map 195-4**

26/08/2011



**Map 195-5**  
 CFA 439 Ref 0E 30N  
 Vic Roads 561T10



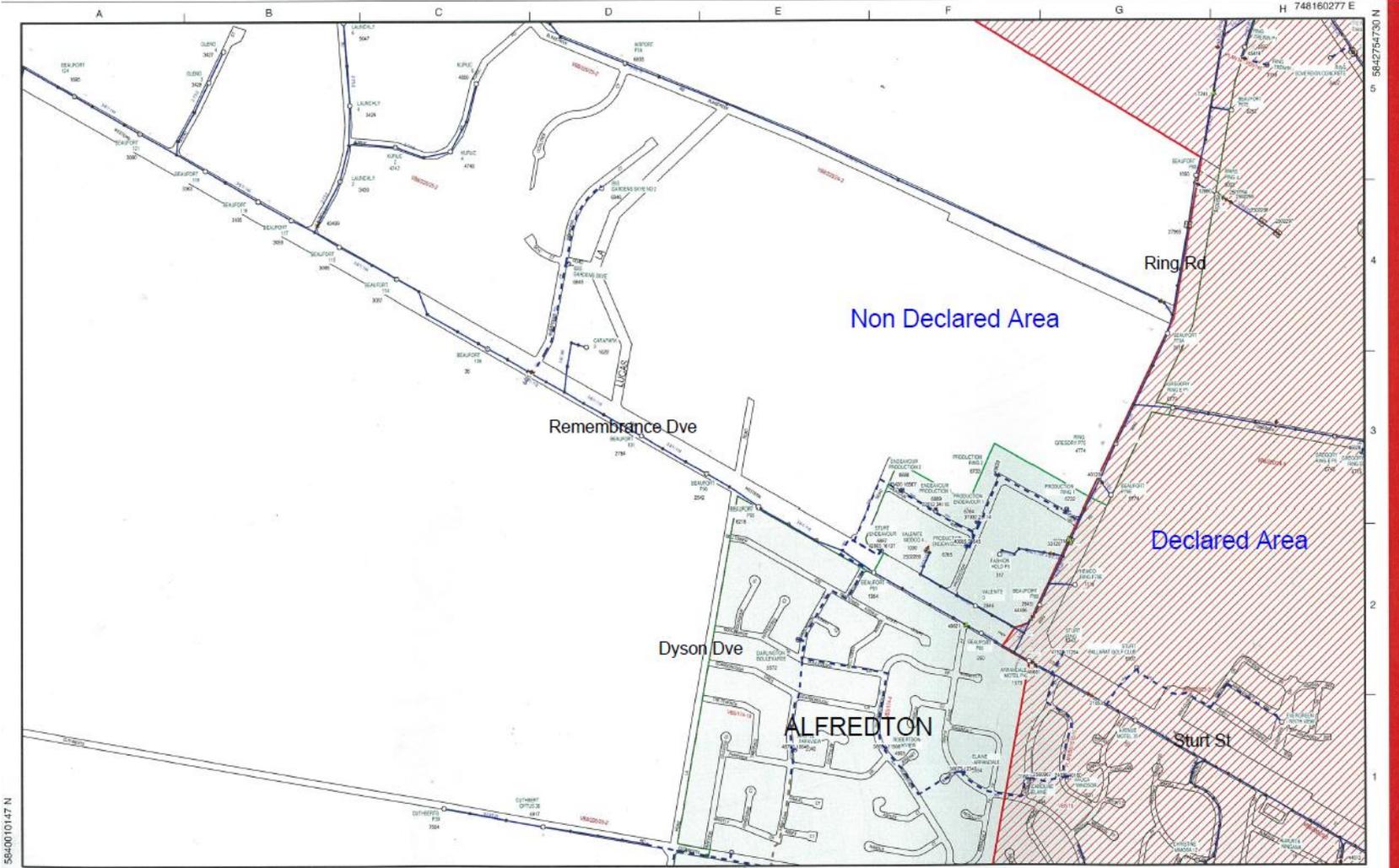
City of Ballarat - Declared Area Map

Map 195-2	Map 195-3	
Map 195-4	Map 195-5	Map 196-5
Map 195-6	Map 195-7	Map 196-6



**Wendouree**  
**Map 195-5**

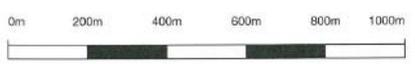
26/08/2011



5640010147 N  
743839682 E



**Map 195-6**  
CFA 439 Ref 96E 27N  
Vic Roads 565L3



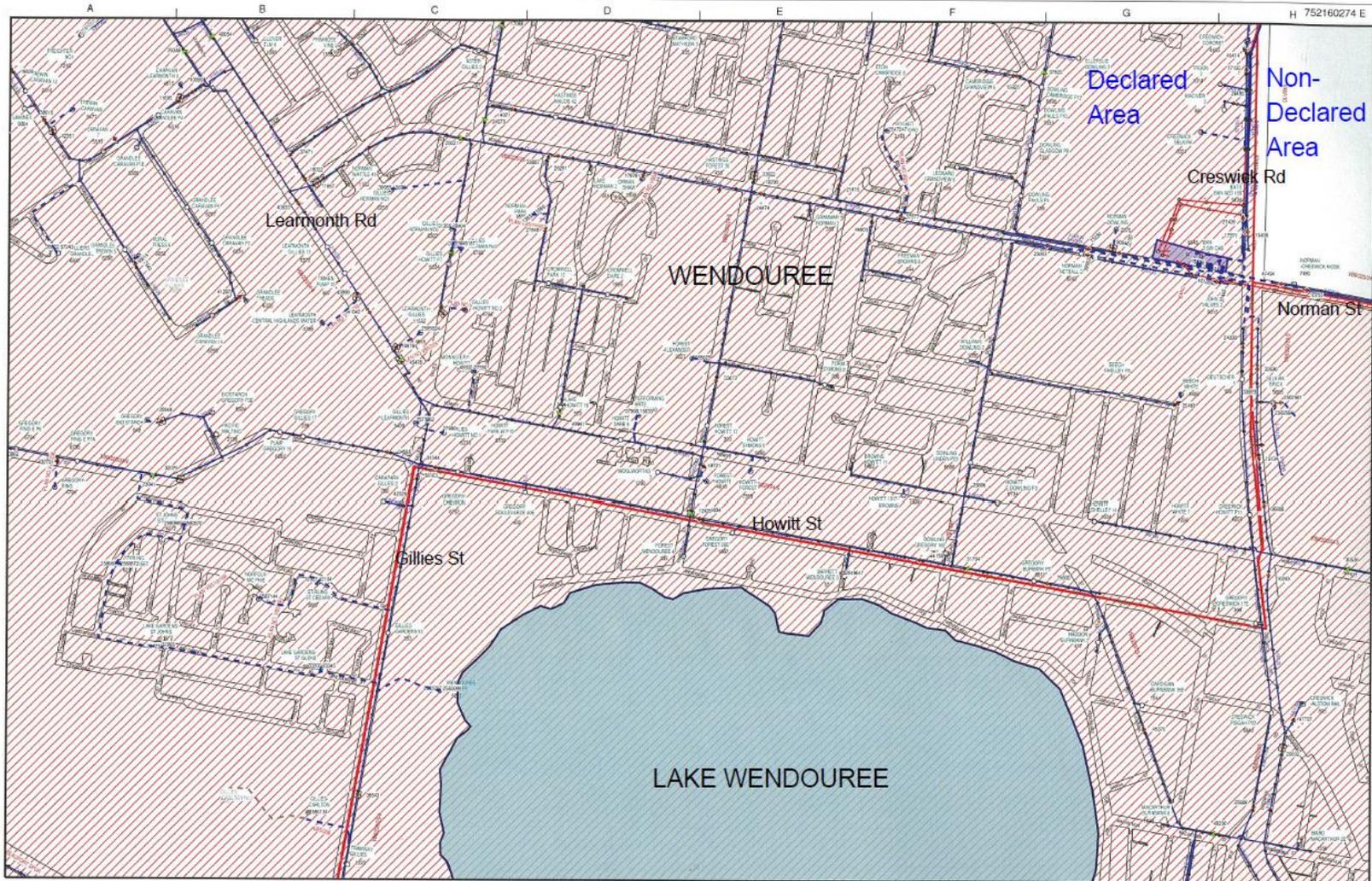
City of Ballarat - Declared Area Map

	Map 195-4	Map 195-5
	Map 195-6	Map 195-7
	Map 206-1	Map 206-2



**Alfredton**  
**Map 195-6**

26/08/2011



5640010151 N

747839681 E



Map 195-7

CFA 439 Ref 0E 27N  
Vic Roads 565T3



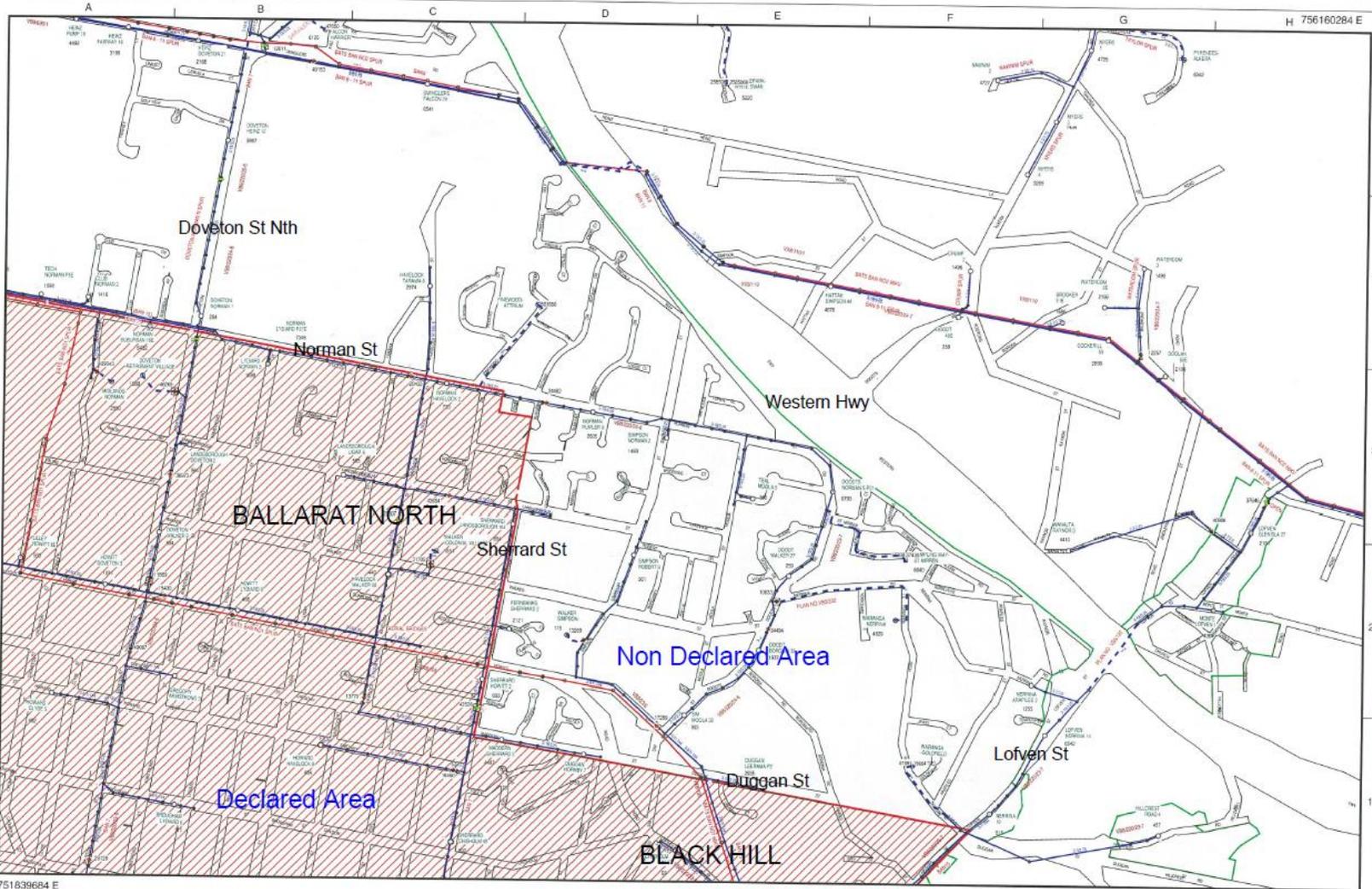
City of Ballarat - Declared Area Map

Map 195-4	Map 195-5	Map 196-5
Map 195-6	Map 195-7	Map 196-6
Map 206-1	Map 206-2	Map 207-1



Wendouree  
Map 195-7

26/08/2011



5840010147 N  
751639684 E



Map 196-6

CFA 440 Ref 4E 27N  
Vic Roads 566H3



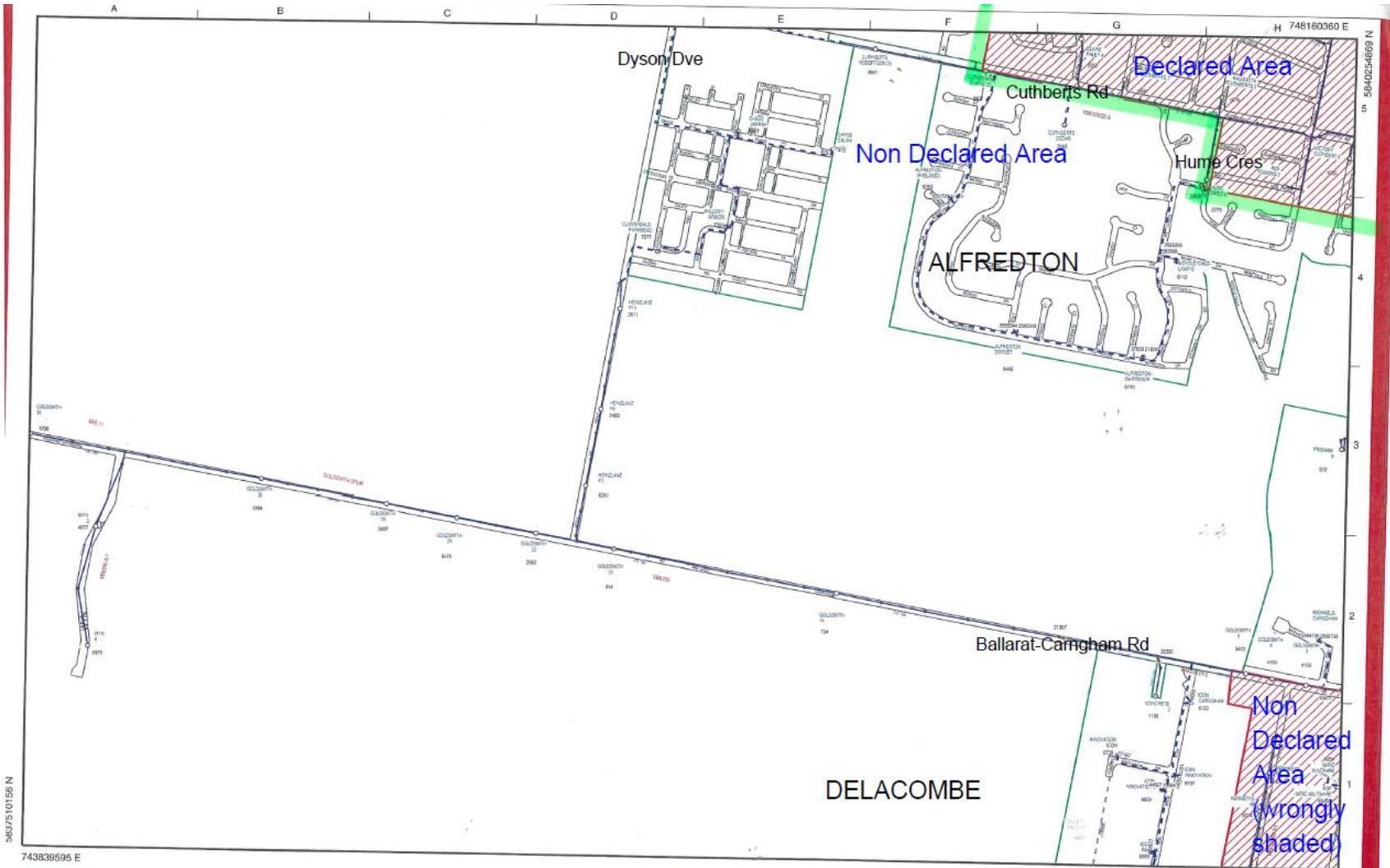
City of Ballarat - Declared Area Map

Map 195-5	Map 196-5	
Map 195-7	Map 196-6	Map 196-7
Map 206-2	Map 207-1	Map 207-2



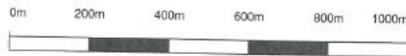
**Ballarat**  
**Map 196-6**

26/08/2011



Map 206-1

CFA 439 Ref 96E 24N  
Vic Roads 565L8



City of Ballarat - Declared Area Map

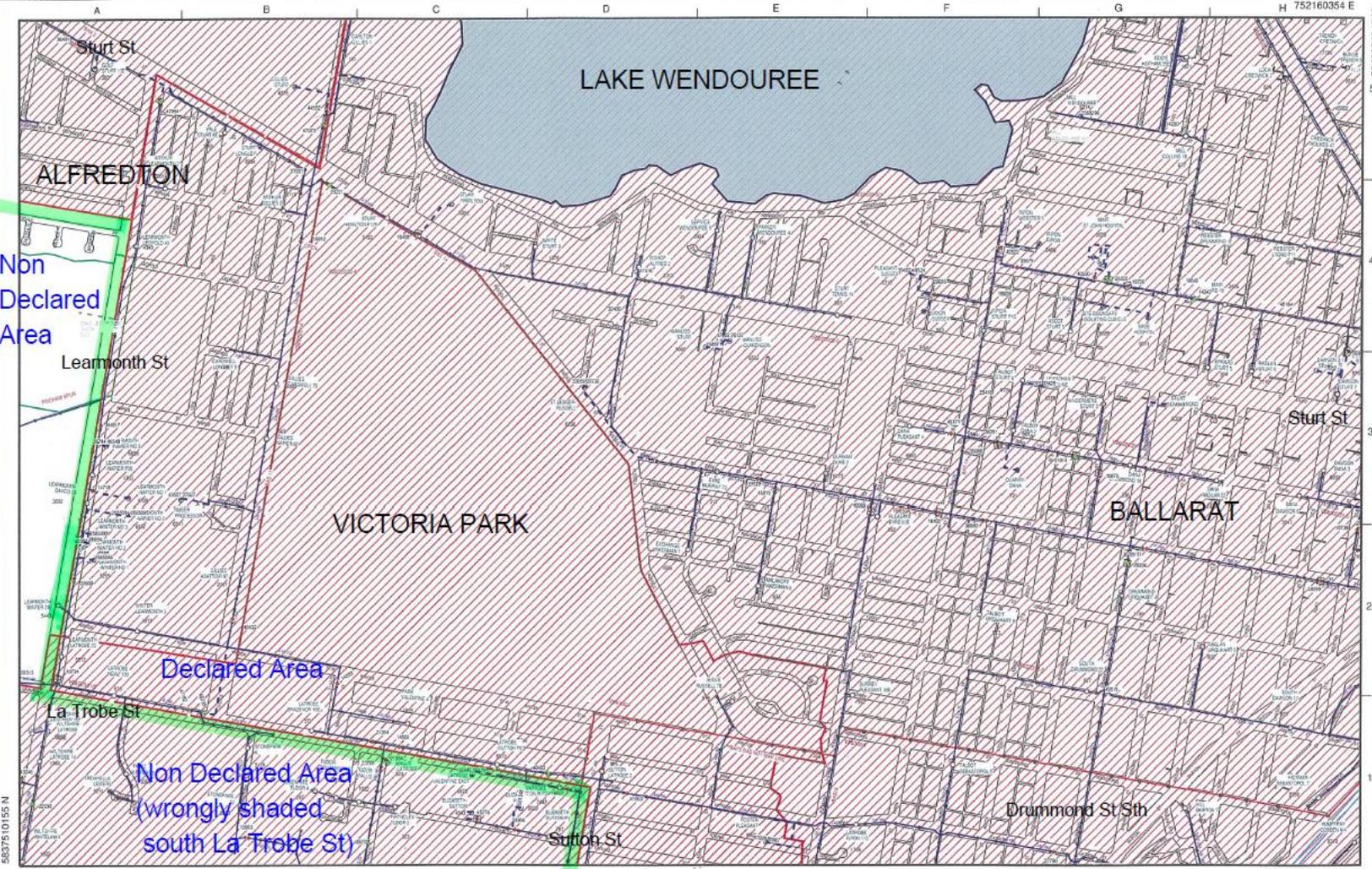
	Map 195-6	Map 195-7
	Map 206-1	Map 206-2
		Map 206-3



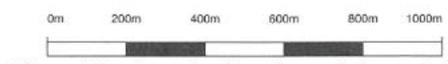
Alfredton

Map 206-1

26/06/2011



Map 206-2  
 CFA 439 Ref 0E 25N  
 Vic Roads 565T8



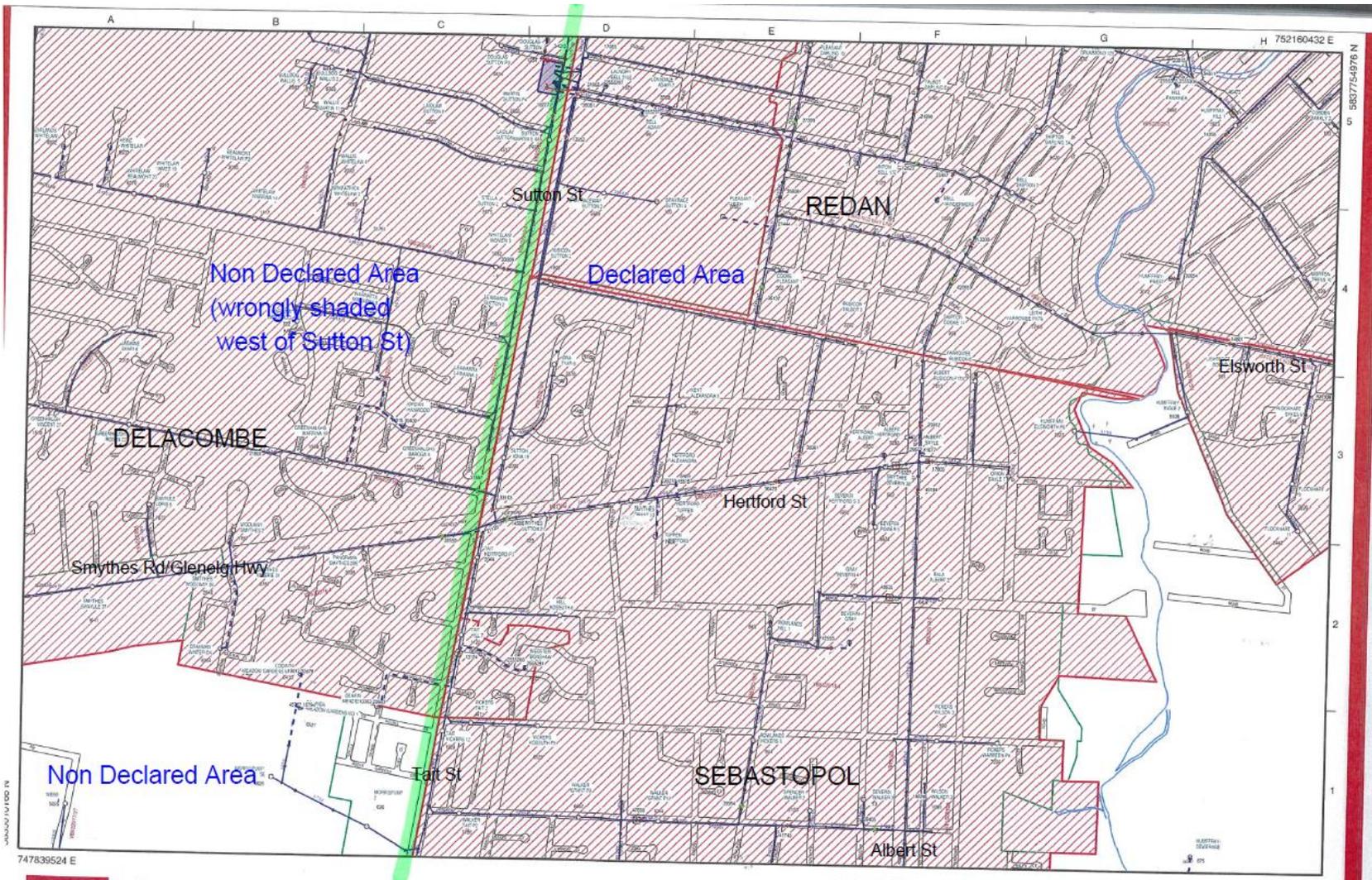
City of Ballarat - Declared Area Map

Map 195-6	Map 195-7	Map 196-6
Map 206-1	Map 206-2	Map 207-1
	Map 206-3	Map 207-3



**Ballarat**  
**Map 206-2**

28/08/2011



747839524 E



Map 206-3

CFA 439 Ref 0E 22N  
Vic Roads 571T2



City of Ballarat - Declared Area Map

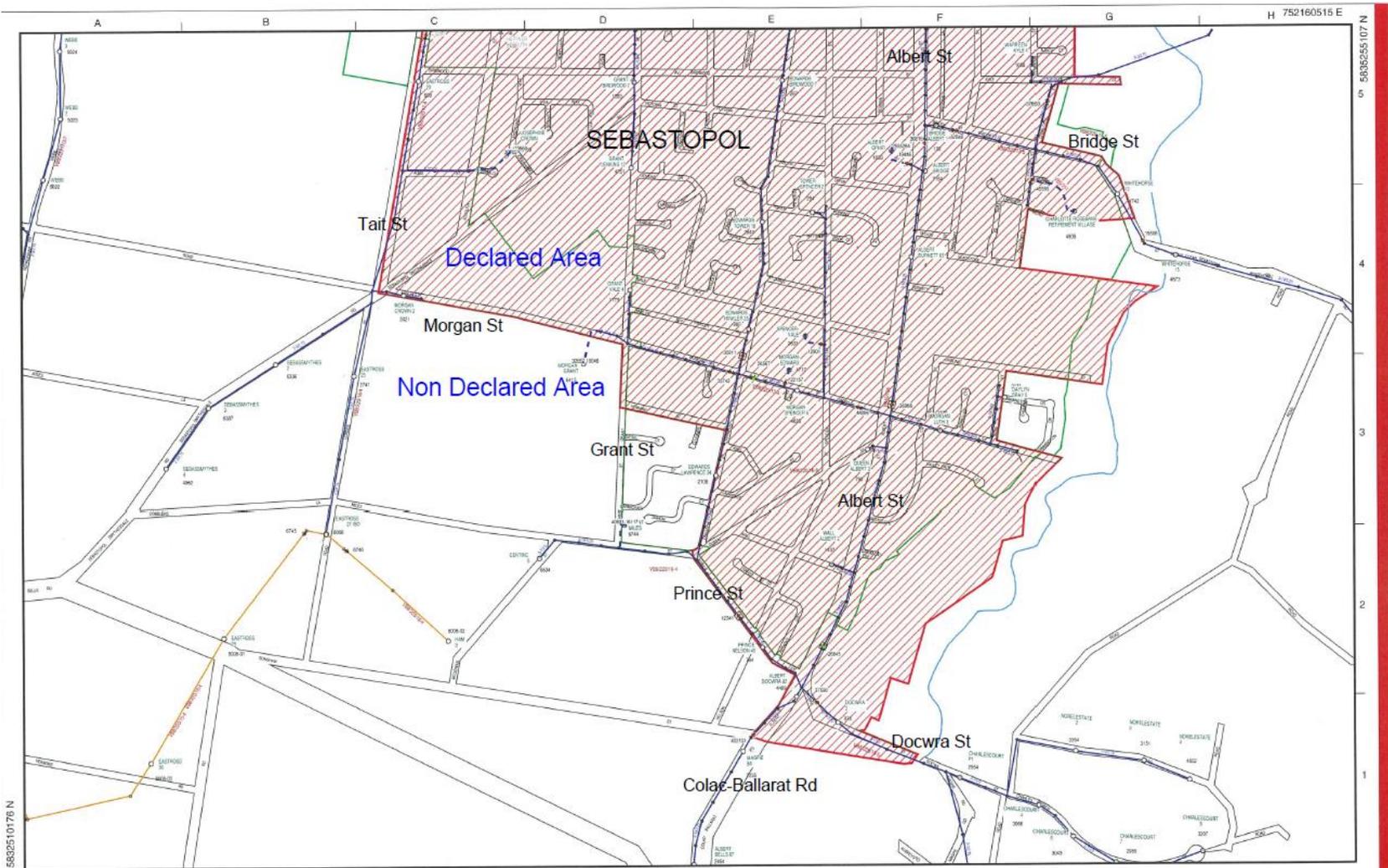
Map 206-1	Map 206-2	Map 207-1
	Map 206-3	Map 207-3
Map 206-4	Map 206-5	Map 207-6



Ballarat

Map 206-3

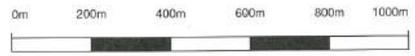
26/08/2011



5882510176 N  
747839447 E



**Map 206-5**  
CFA 439 Ref 1E 20N  
Vic Roads 571T6



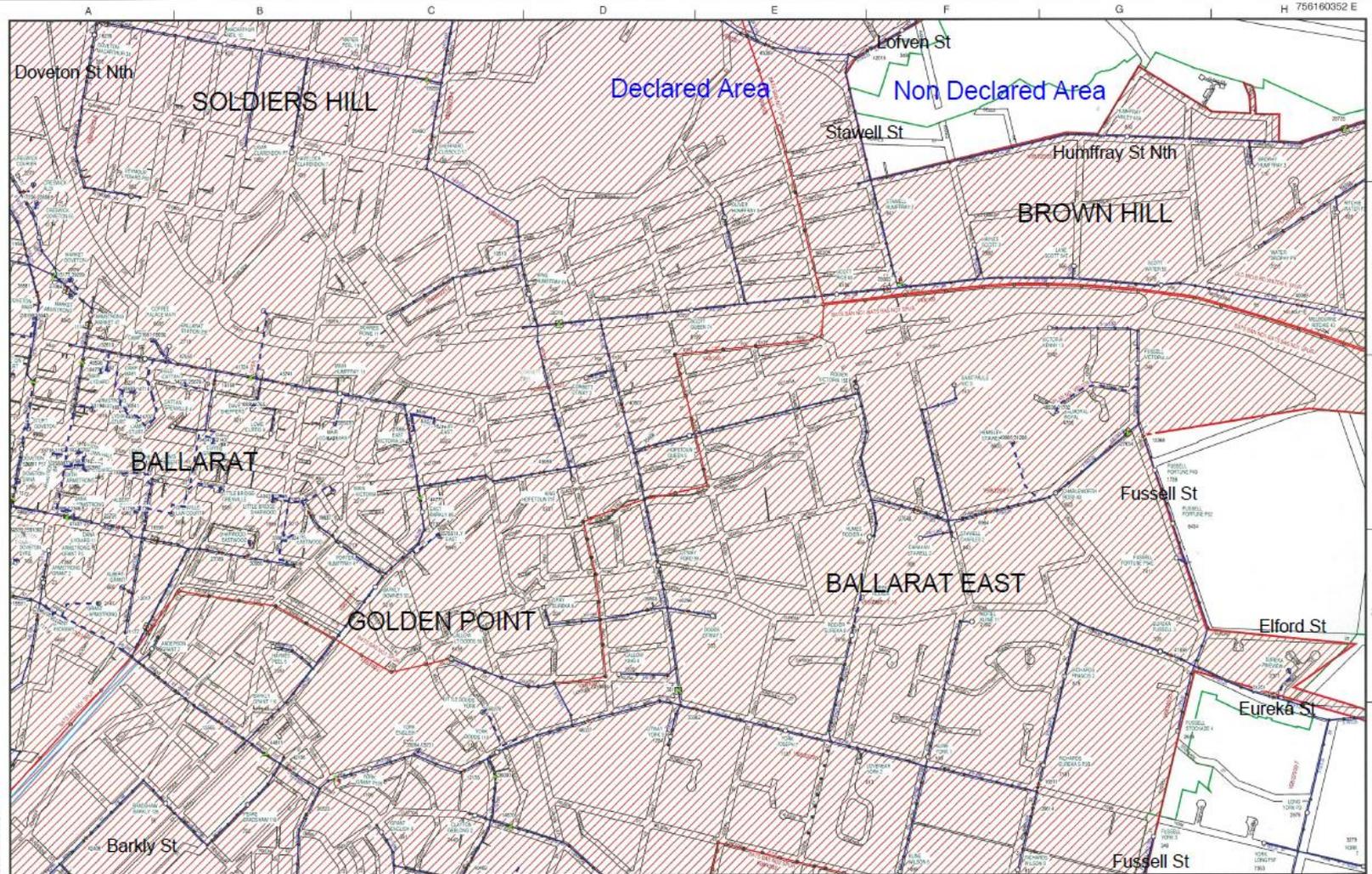
City of Ballarat - Declared Area Map

	Map 206-3	Map 207-3
Map 206-4	Map 206-5	Map 207-6
		Map 207-7



**Sebastopol**  
**Map 206-5**

26/08/2011



5627510156 N

751839611 E



Map 207-1

CFA 440 Ref 4E 25N  
Vic Roads 566H8



City of Ballarat - Declared Area Map

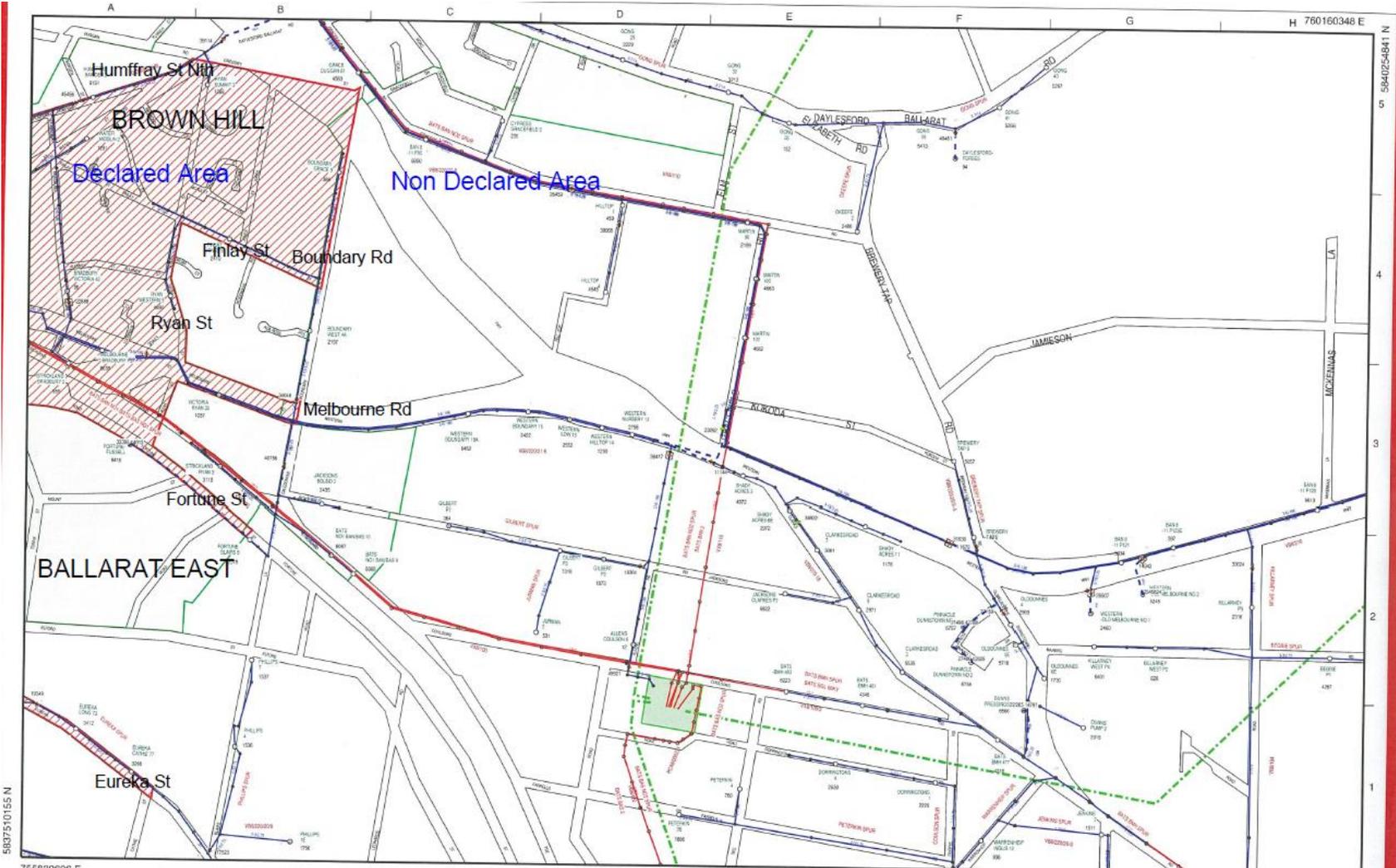
Map 195-7	Map 196-6	Map 196-7
Map 206-2	Map 207-1	Map 207-2
Map 206-3	Map 207-3	Map 207-4



Ballarat

Map 207-1

26/08/2011



5837510155 N  
755639606 E

584025684 N

4  
3  
2  
1



**Map 207-2**  
CFA 440 Ref 8E 25N  
Vic Roads 567Q8



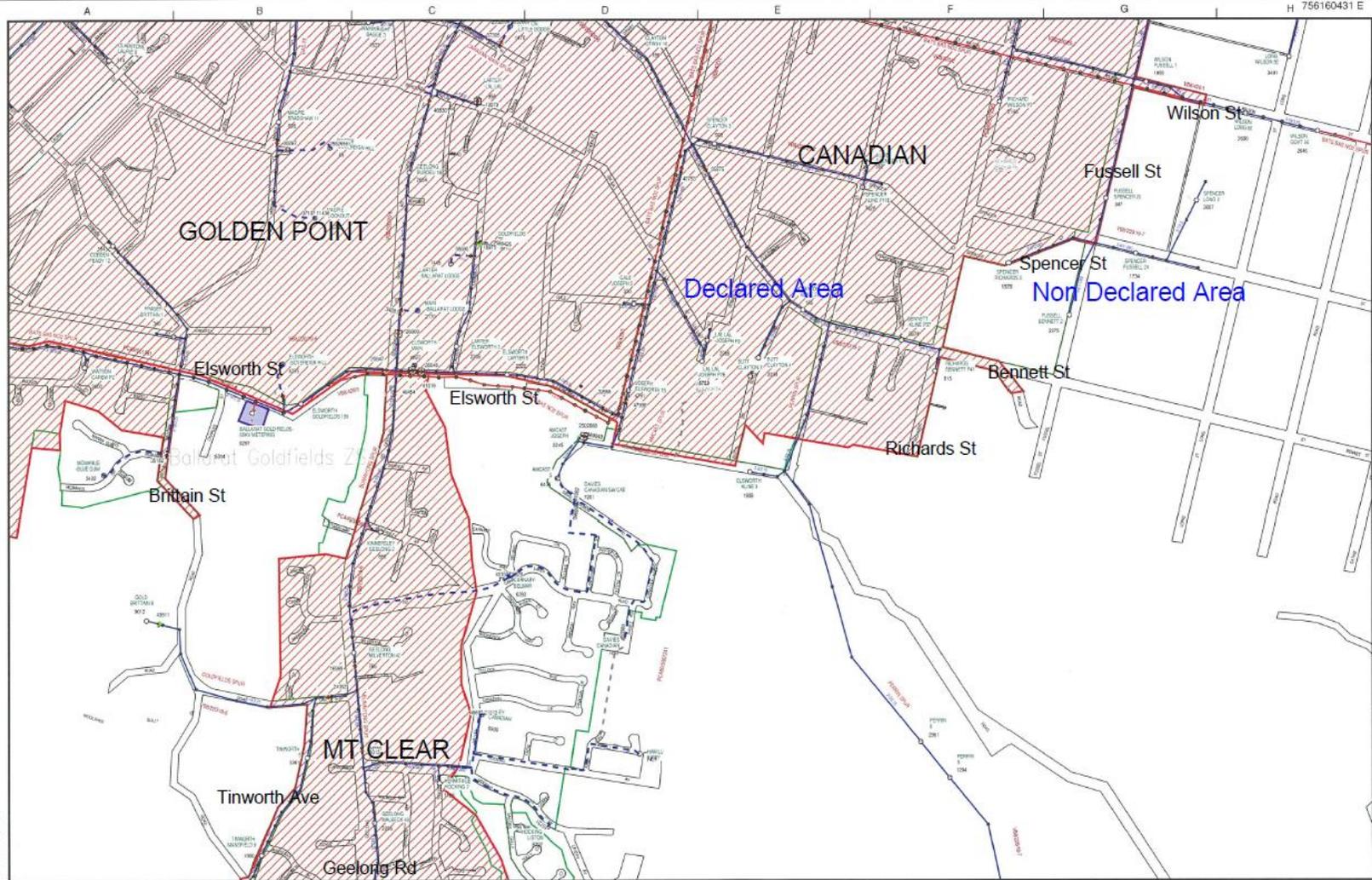
City of Ballarat - Declared Area Map

Map 196-6	Map 196-7	
Map 207-1	Map 207-2	
Map 207-3	Map 207-4	



**Warrenheip**  
**Map 207-2**

26/08/2011



751839527 E



Map 207-3

CFA 440 Ref 4E 22N  
Vic Roads 572H2



City of Ballarat - Declared Area Map

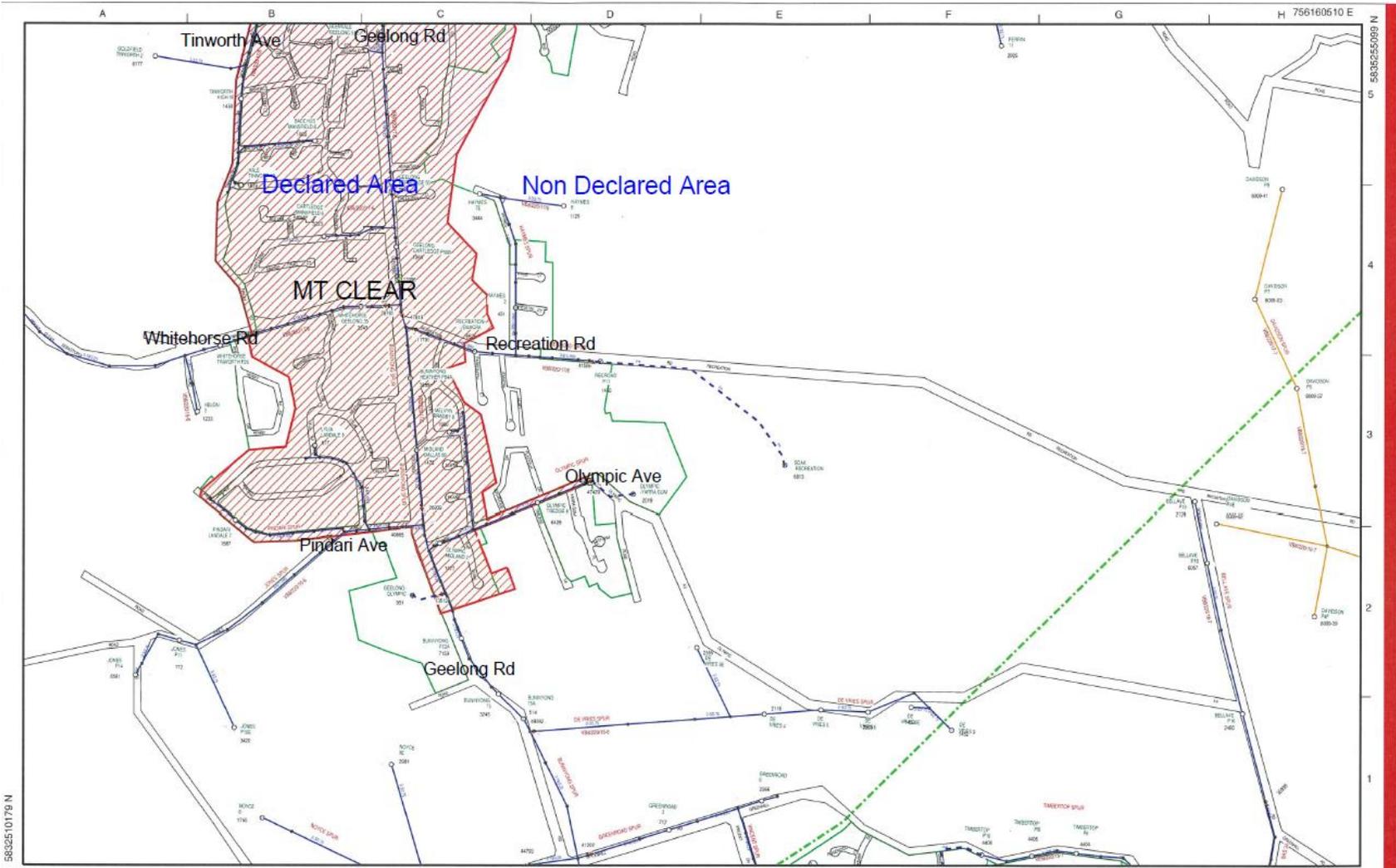
Map 206-2	Map 207-1	Map 207-2
Map 206-3	Map 207-3	Map 207-4
Map 206-5	Map 207-6	



Mount Clear

Map 207-3

26/08/2011



5832510178 N  
751839447 E



**Map 207-6**  
CFA 440 Ref 5E 20N  
Vic Roads 572H6



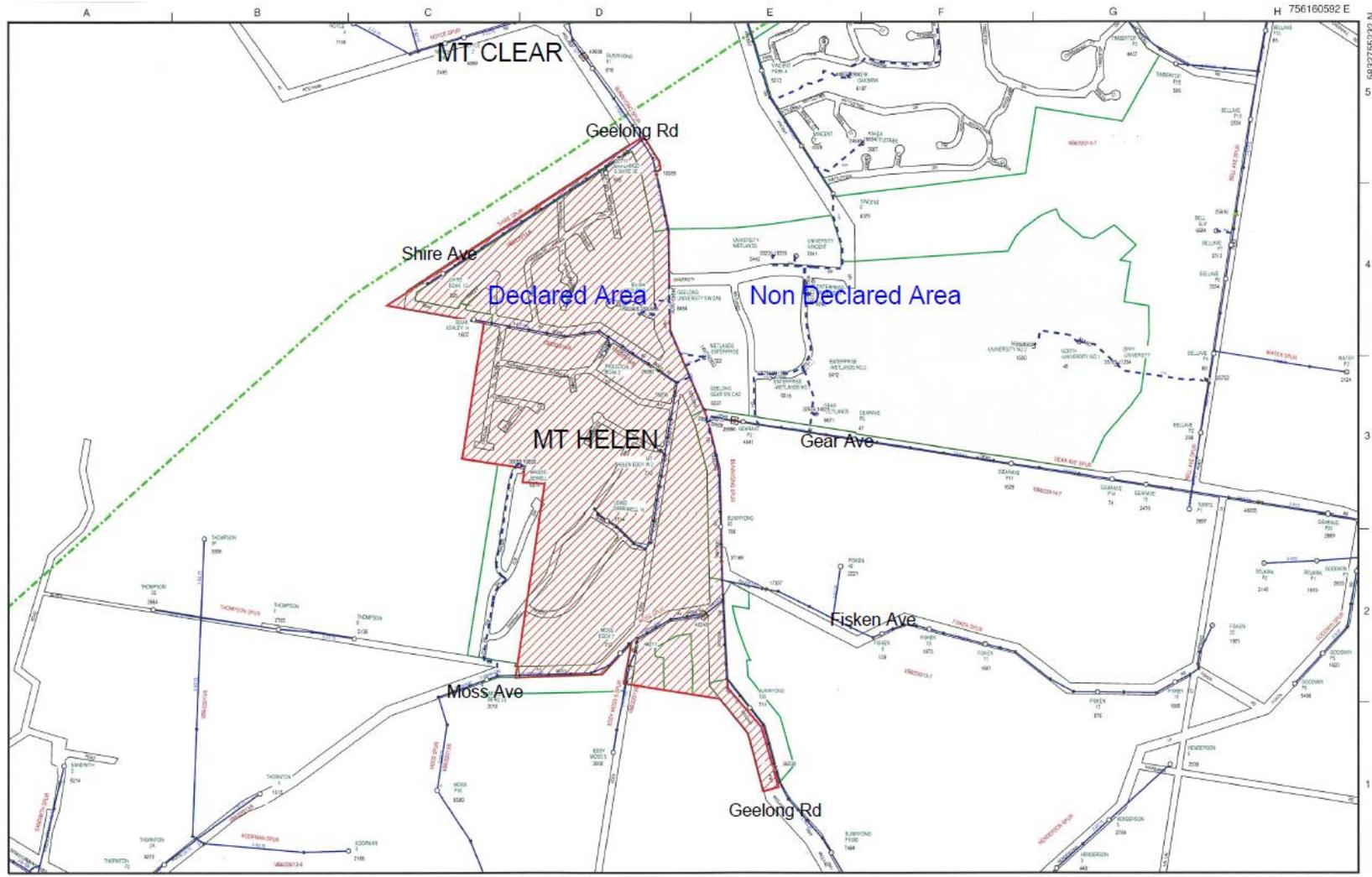
City of Ballarat - Declared Area Map

Map 206-3	Map 207-3	Map 207-4
Map 206-5	Map 207-6	
	Map 207-7	Map 207-8



**Mount Clear**  
**Map 207-6**

26/08/2011



5930010190 N

751839369 E



Map 207-7

CFA 440 Ref 5E 17N  
Vic Roads 572H11



City of Ballarat - Declared Area Map

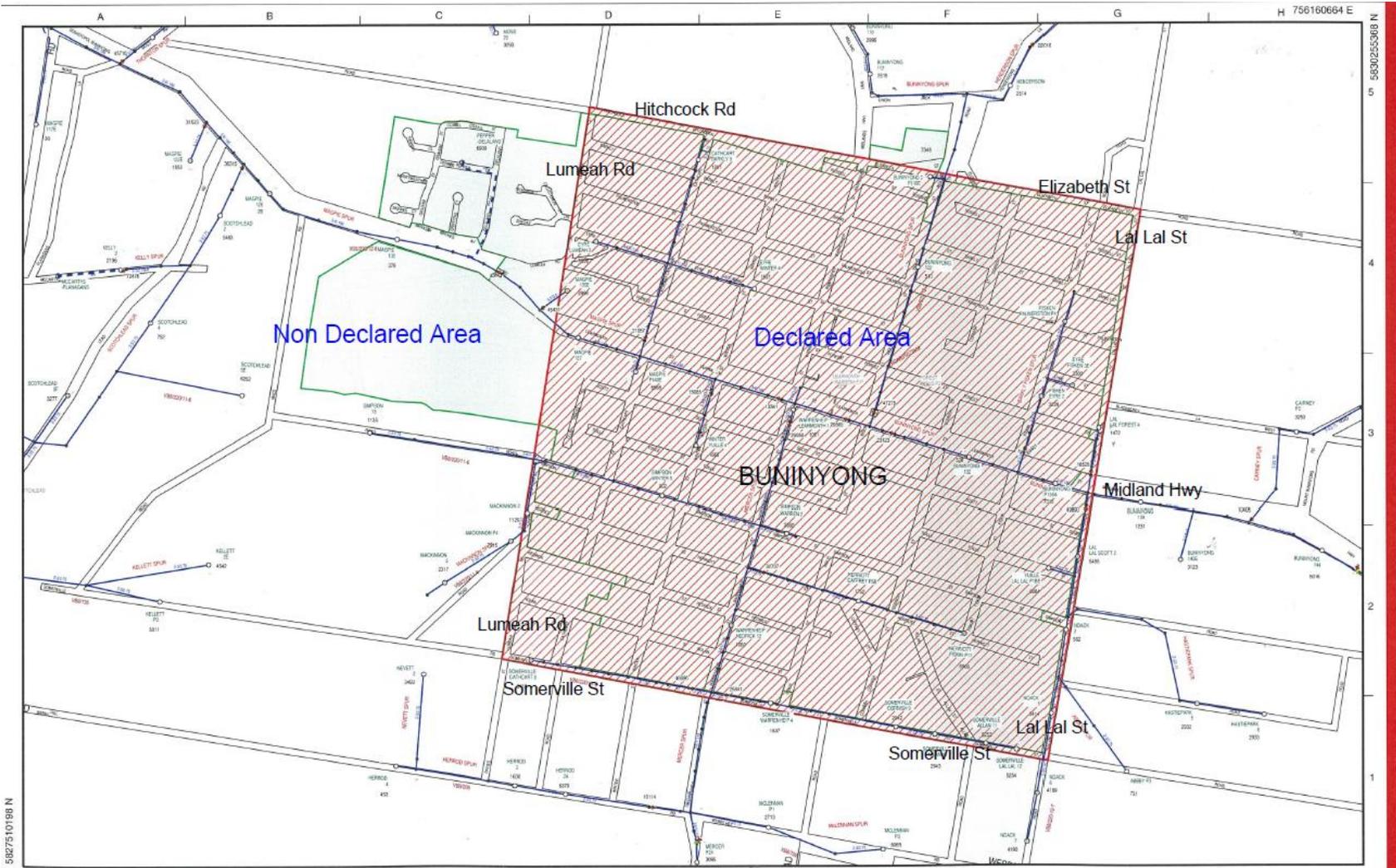
Map 206-5	Map 207-6	
	Map 207-7	Map 207-8
	Map 207-10	



Mount Helen

Map 207-7

26/08/2011



5827510198 N

751836284 E



Map 207-10

CFA 440 Ref 5E 15N  
Vic Roads 578H5



City of Ballarat - Declared Area Map

	Map 207-7	Map 207-8
	Map 207-10	



Buninyong

Map 207-10

26/08/2011