

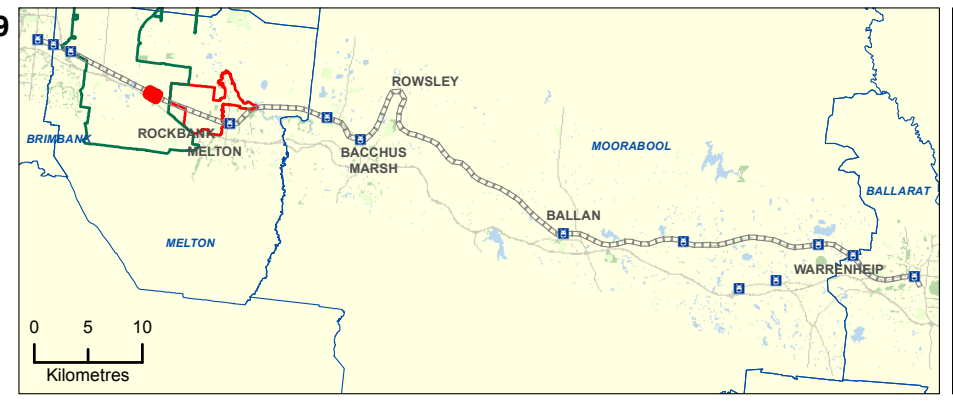
**Legend**

- Rail Station
- VicTrack Reserve boundary
- Secondary Construction Areas
- Project Area
- MSA BCS Extent
- Impacted Vegetation within SCA
- Impacted Vegetation

**MSA Time-stamped**

- 132 Plains Grassland

Map 11 of 49



Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016

**Ballarat Line Upgrade Project**

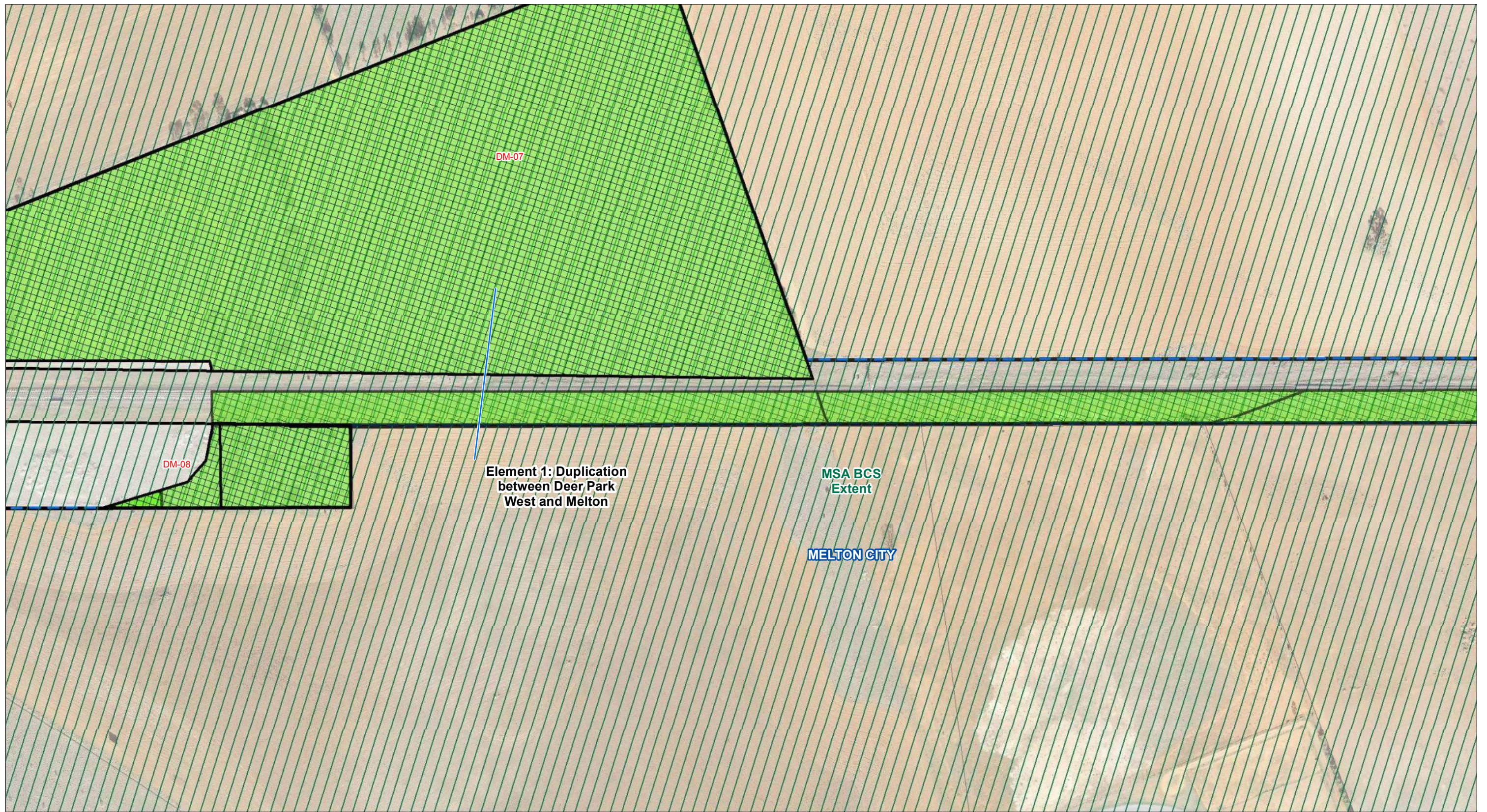
Summary Report Mapping

Drawing Number:	Revision:		
BLU-AJM-PWAA-MP-NF-600051	P1.1		
Drawn By:	Approved By:	Date:	Map Size:
A. Berman	A. Michael	23/06/2017	A3

0 50 100 Metres

Coordinate System: GDA 1994 MGA Zone 55





**Legend**

- VicTrack Reserve boundary
- Secondary Construction Areas
- Project Area
- MSA BCS Extent
- Impacted Vegetation within SCA
- Impacted Vegetation

**MSA Time-stamped**

- 132 Plains Grassland

Map 12 of 49

Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016



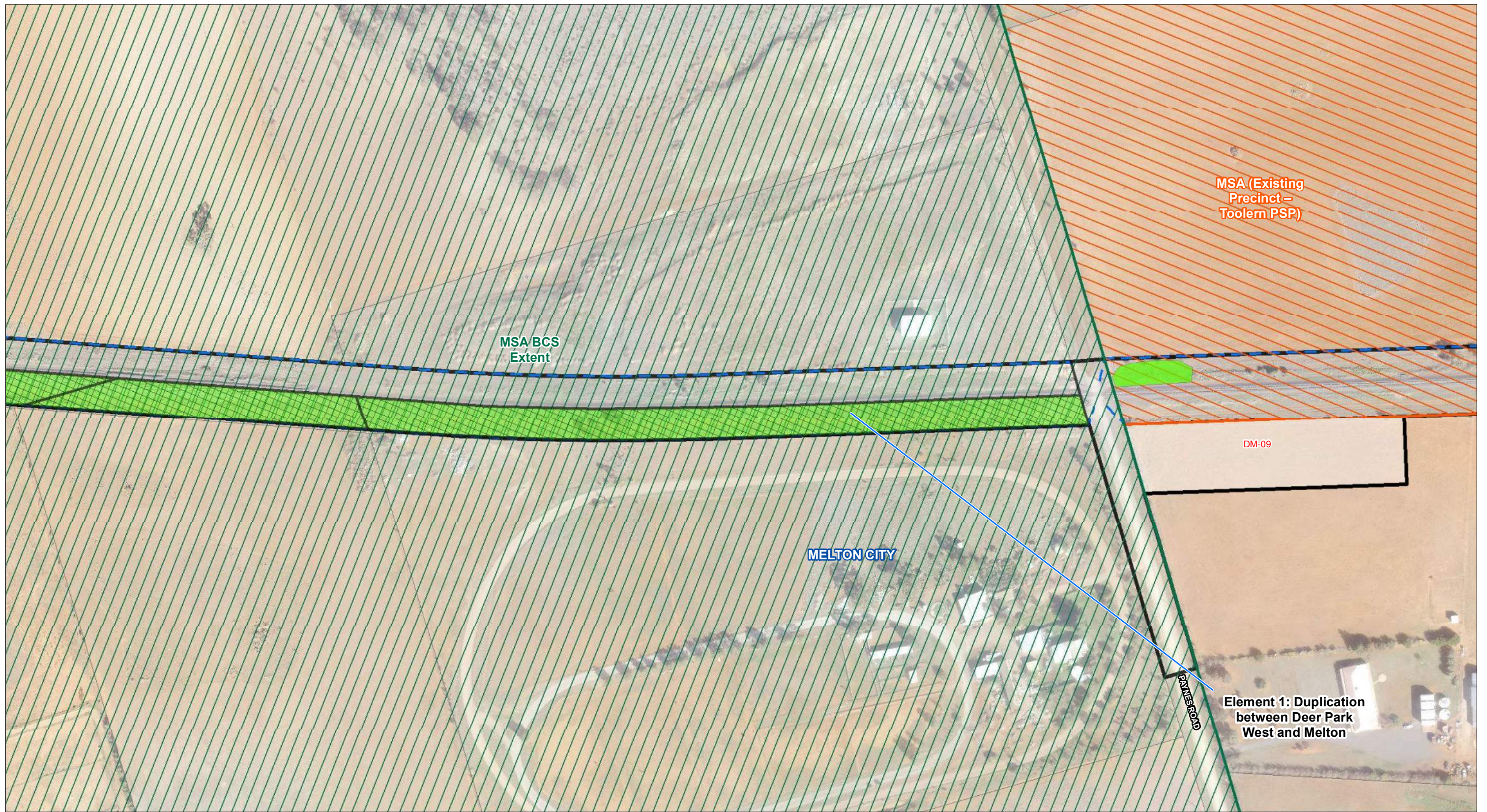
**Ballarat Line Upgrade Project**

Summary Report Mapping

Drawing Number: BLU-AJM-PWAA-MP-NF-600051	Revision: P1.1		
Drawn By: A. Berman	Approved By: A. Michael	Date: 23/06/2017	Map Size: A3

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Metres  
Coordinate System: GDA 1994 MGA Zone 55

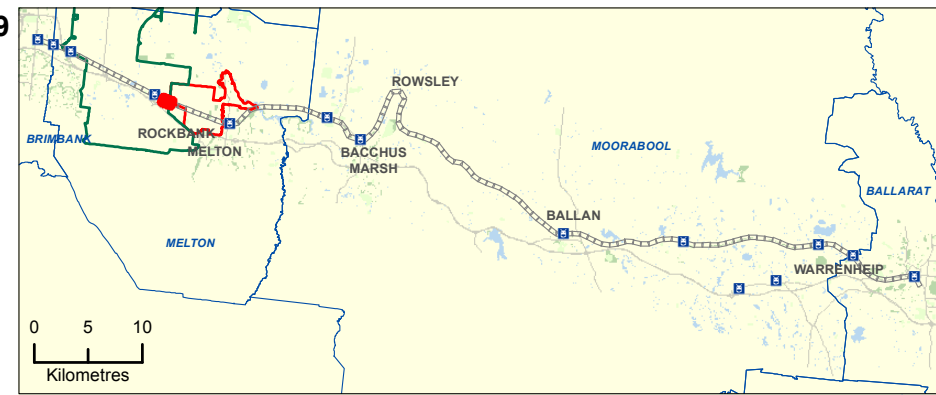




**Legend**

- VicTrack Reserve boundary
- Secondary Construction Areas
- Project Area
- MSA BCS Extent
- MSA (Existing Precinct - Toolern PSP)
- Impacted Vegetation
- Plains Grassland
- 132 Plains Grassland
- MSA Time-stamped**

Map 13 of 49



Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016

**Ballarat Line Upgrade Project**

Summary Report Mapping

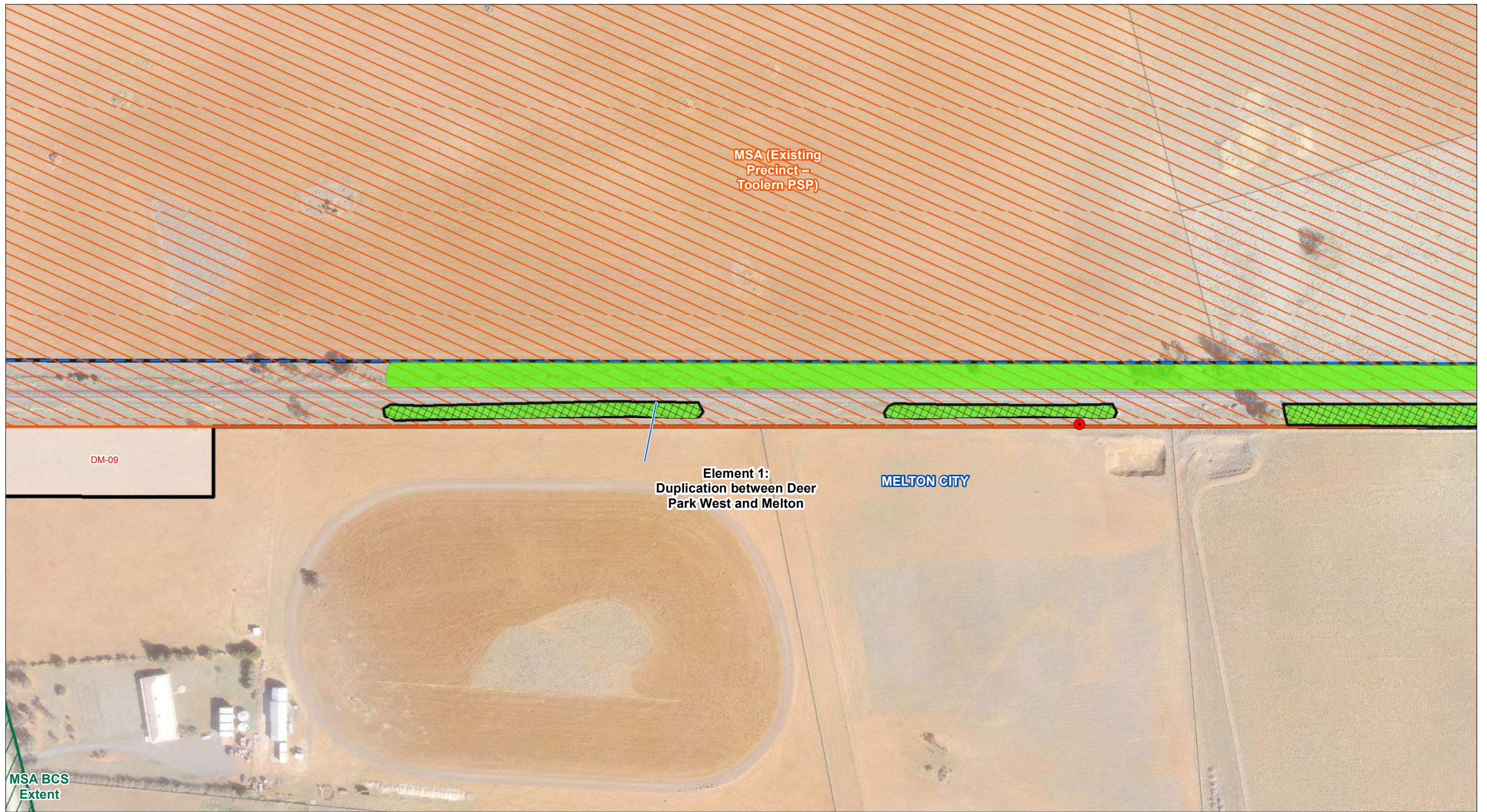
Drawing Number: BLU-AJM-PWAA-MP-NF-600051 Revision: P1.1

Drawn By: A. Berman	Approved By: A. Michael	Date: 23/06/2017	Map Size: A3
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0 50 100 Metres

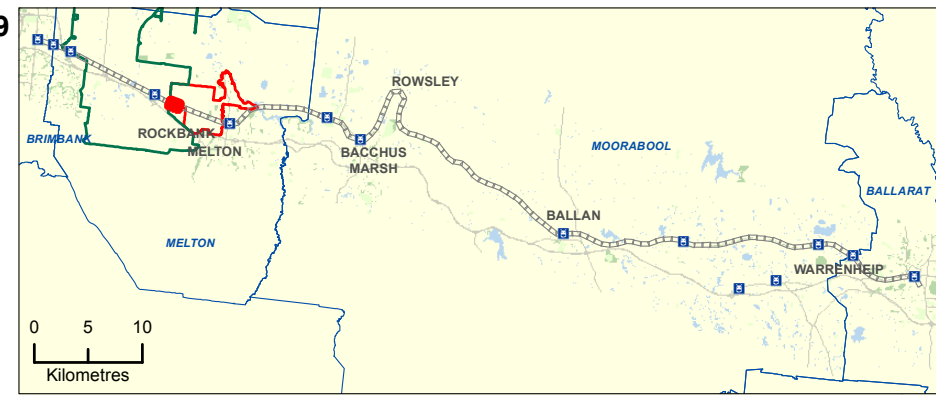
Coordinate System: GDA 1994 MGA Zone 55





- Legend**
- VicTrack Reserve boundary
  - Secondary Construction Areas
  - Project Area
  - Impacted Vegetation
  - MSA BCS Extent
  - MSA (Existing Precinct - Toolern PSP)
  - Plains Grassland
  - Significant Species**
  - Spiny Rice-flower

Map 14 of 49



Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016



**Ballarat Line Upgrade Project**

Summary Report Mapping

Drawing Number:	Revision:		
BLU-AJM-PWAA-MP-NF-600051	P1.1		
Drawn By:	Approved By:	Date:	Map Size:
A. Berman	A. Michael	23/06/2017	A3

0 50 100 Metres  
 Coordinate System: GDA 1994 MGA Zone 55



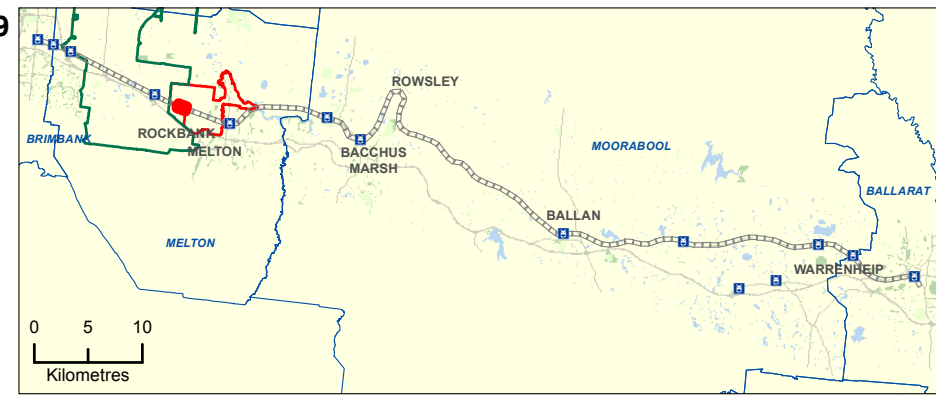


- Legend**
- VicTrack Reserve boundary
  - Project Area
  - Impacted Vegetation
  - MSA (Existing Precinct - Toolern PSP)

- Plains Grassland
- Plains Grassy Woodland

Map 15 of 49

Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016



**Ballarat Line Upgrade Project**

Summary Report Mapping

Drawing Number: BLU-AJM-PWAA-MP-NF-600051		Revision: P1.1	
Drawn By: A. Berman	Approved By: A. Michael	Date: 23/06/2017	Map Size: A3

0 50 100  
Metres  
Coordinate System: GDA 1994 MGA Zone 55



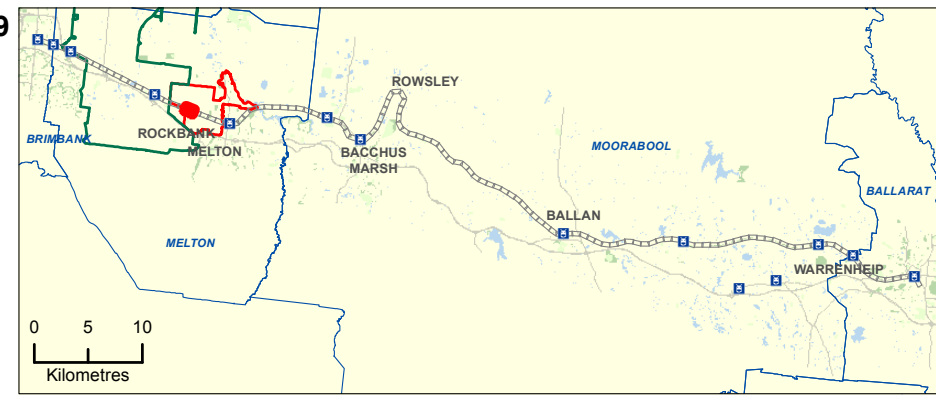


- Legend**
- VicTrack Reserve boundary
  - Project Area
  - Impacted Vegetation
  - MSA (Existing Precinct - Toolern PSP)

- Plains Grassland
- Plains Grassy Woodland

Map 16 of 49

Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016



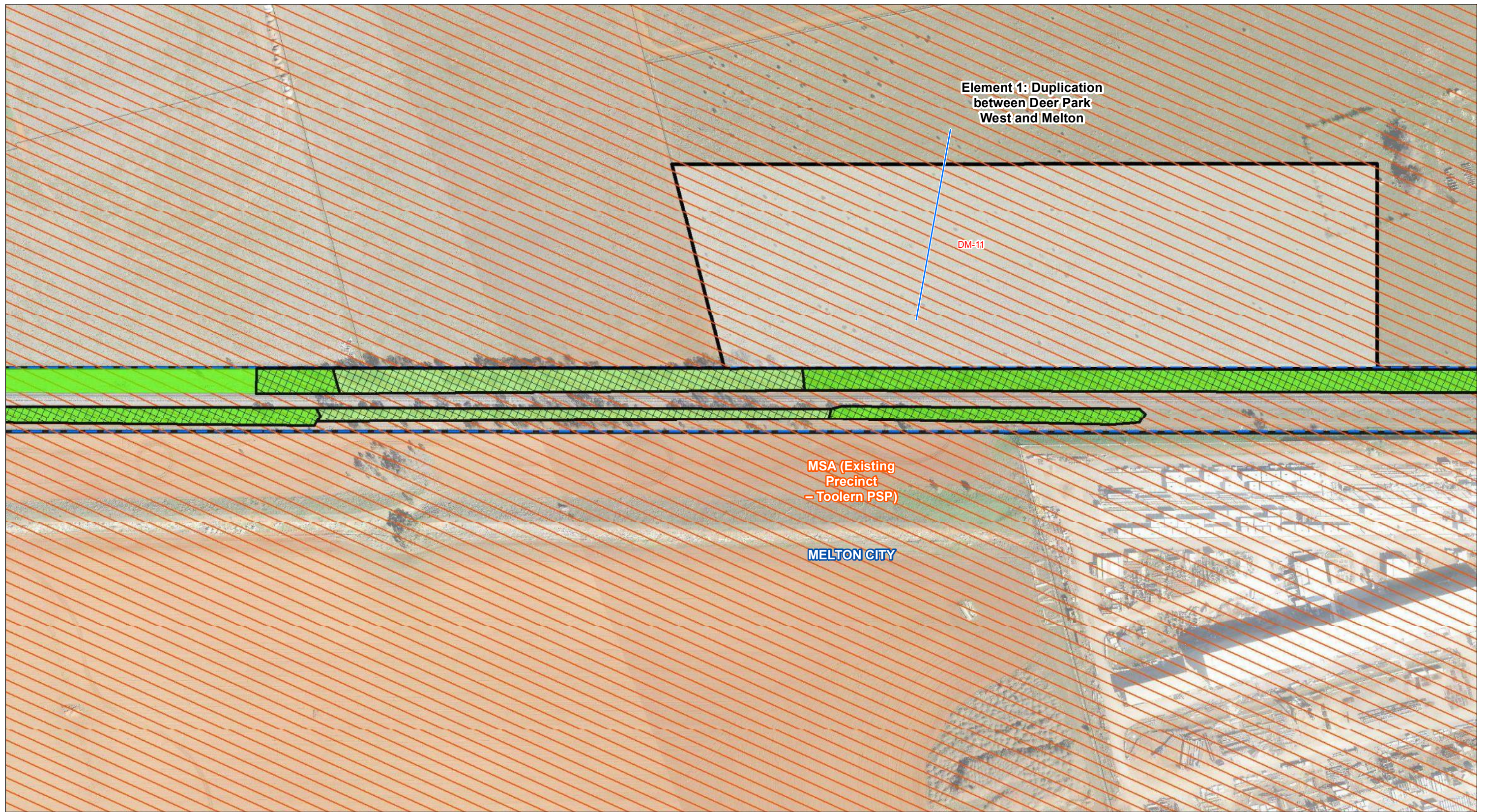
**Ballarat Line Upgrade Project**

Summary Report Mapping

Drawing Number: BLU-AJM-PWAA-MP-NF-600051		Revision: P1.1	
Drawn By: A. Berman	Approved By: A. Michael	Date: 23/06/2017	Map Size: A3

0 50 100  
Metres  
Coordinate System: GDA 1994 MGA Zone 55





- Legend**
- VicTrack Reserve boundary
  - Secondary Construction Areas
  - Project Area
  - Impacted Vegetation
  - MSA (Existing Precinct - Toolern PSP)
  - Plains Grassland
  - Plains Woodland

Map 17 of 49

Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016



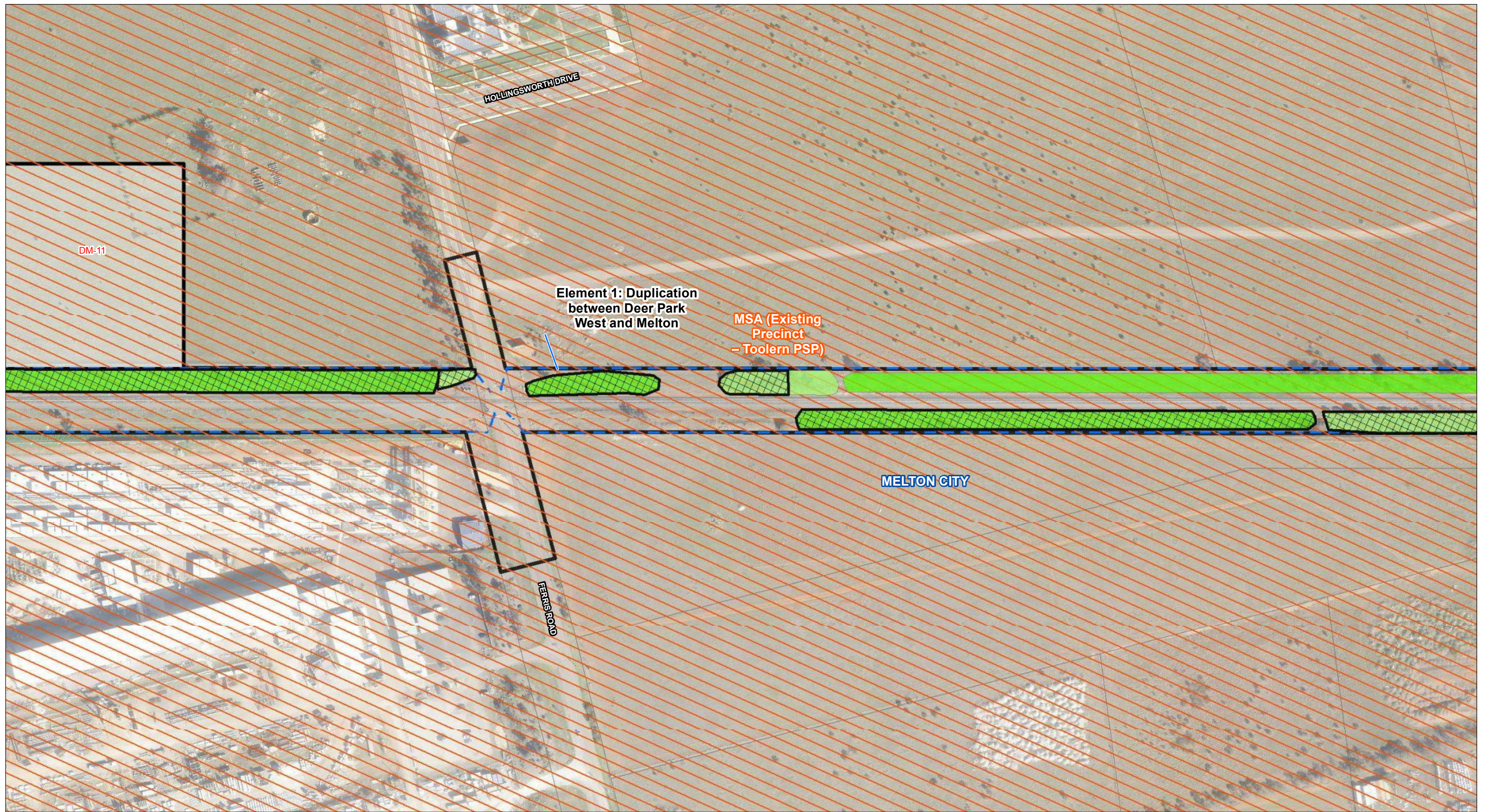
**Ballarat Line Upgrade Project**

Summary Report Mapping

Drawing Number: BLU-AJM-PWAA-MP-NF-600051	Revision: P1.1		
Drawn By: A. Berman	Approved By: A. Michael	Date: 23/06/2017	Map Size: A3

0 50 100  
Metres  
Coordinate System: GDA 1994 MGA Zone 55





**Legend**

- VicTrack Reserve boundary
- Secondary Construction Areas
- Project Area
- Impacted Vegetation
- MSA (Existing Precinct - Toolern PSP)
- Plains Grassland
- Plains Woodland

Map 18 of 49

Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016



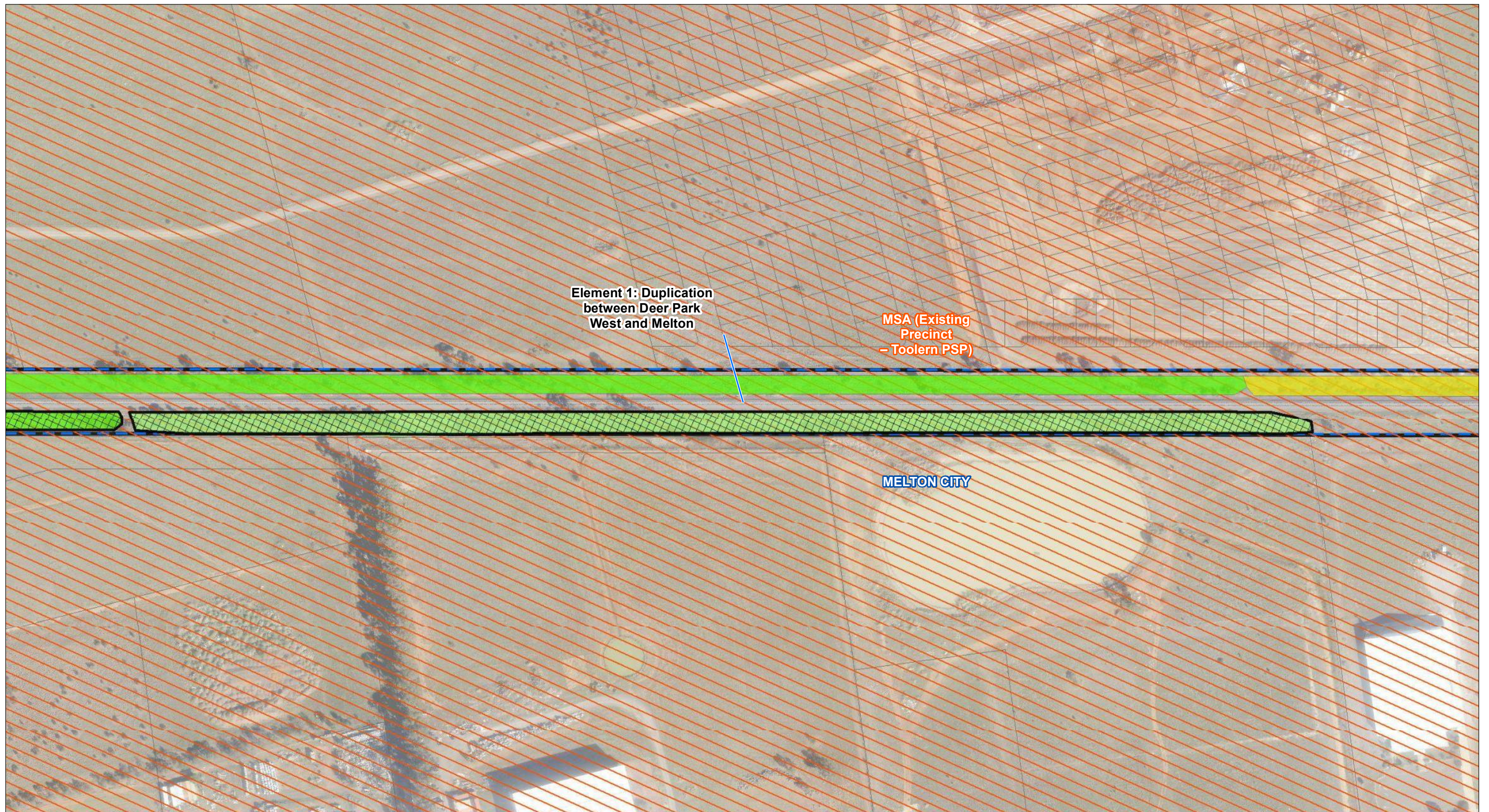
**Ballarat Line Upgrade Project**

Summary Report Mapping

Drawing Number: BLU-AJM-PWAA-MP-NF-600051	Revision: P1.1		
Drawn By: A. Berman	Approved By: A. Michael	Date: 23/06/2017	Map Size: A3

0 50 100  
Metres  
Coordinate System: GDA 1994 MGA Zone 55



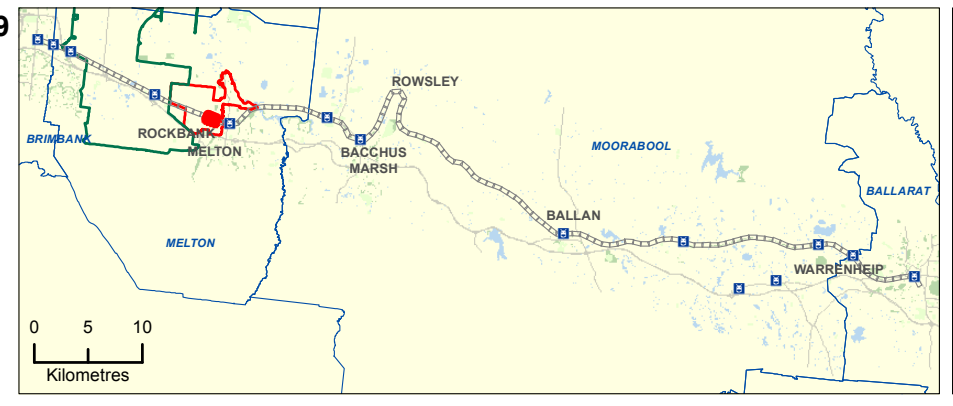


- Legend**
- VicTrack Reserve boundary
  - Project Area
  - Impacted Vegetation
  - MSA (Existing Precinct - Toolern PSP)

- Lignum Swamp
- Plains Grassland
- Plains Woodland

Map 19 of 49

Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016



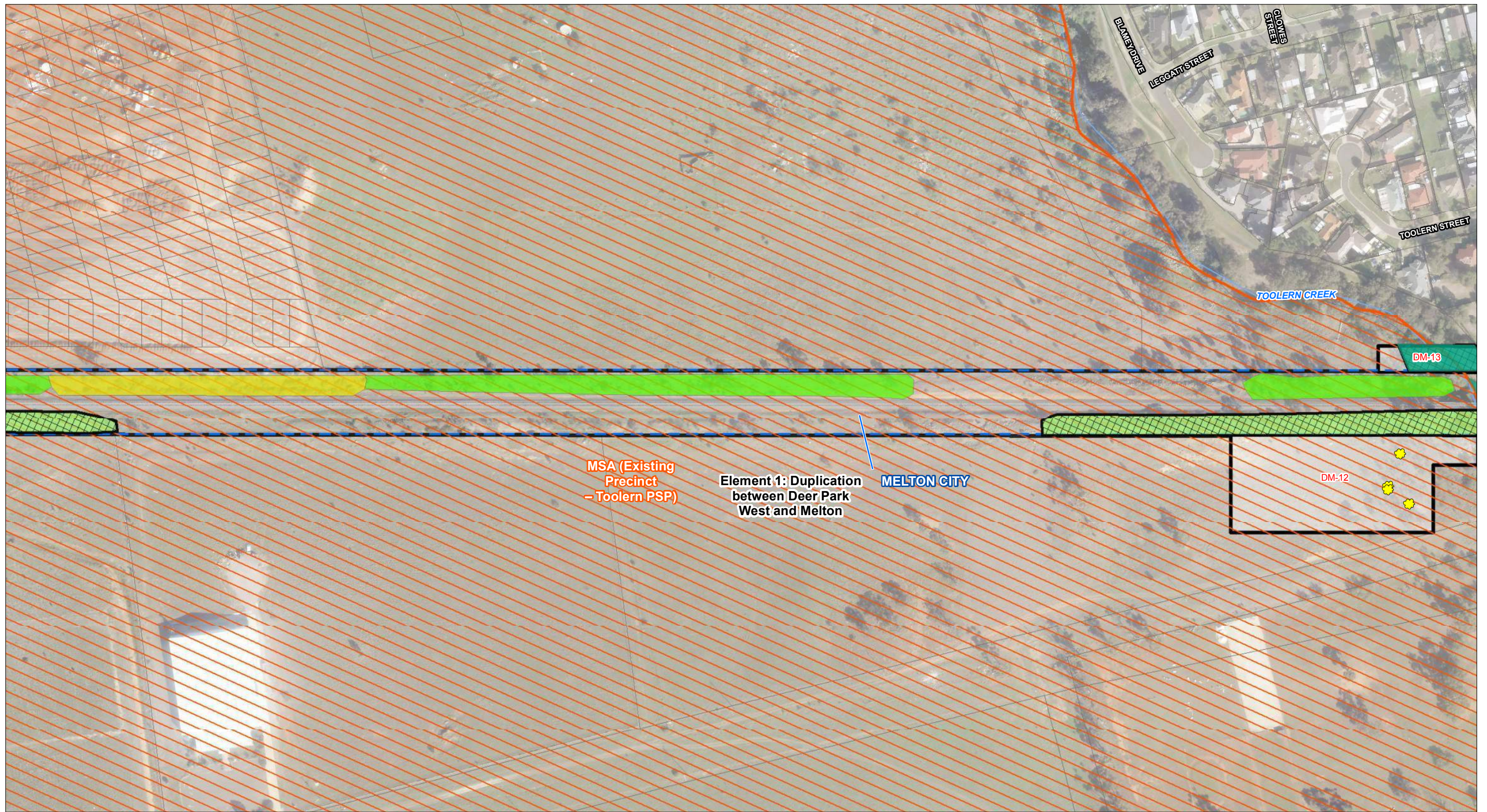
**Ballarat Line Upgrade Project**

Summary Report Mapping

Drawing Number: BLU-AJM-PWAA-MP-NF-600051		Revision: P1.1	
Drawn By: A. Berman	Approved By: A. Michael	Date: 23/06/2017	Map Size: A3

0 50 100  
Metres  
Coordinate System: GDA 1994 MGA Zone 55

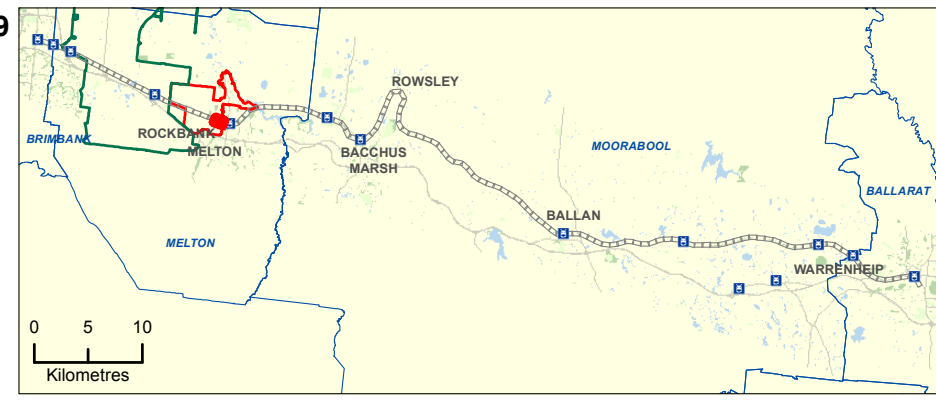




**Legend**

- VicTrack Reserve boundary
- Watercourse
- Secondary Construction Areas
- Project Area
- Impacted Vegetation
- MSA (Existing Precinct - Toolern PSP)
- Impacted Vegetation within SCA
- Creekline Grassy Woodland
- Lignum Swamp
- Plains Grassland
- Plains Grassy Woodland
- Plains Woodland
- Impacted Tree

Map 20 of 49



Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016

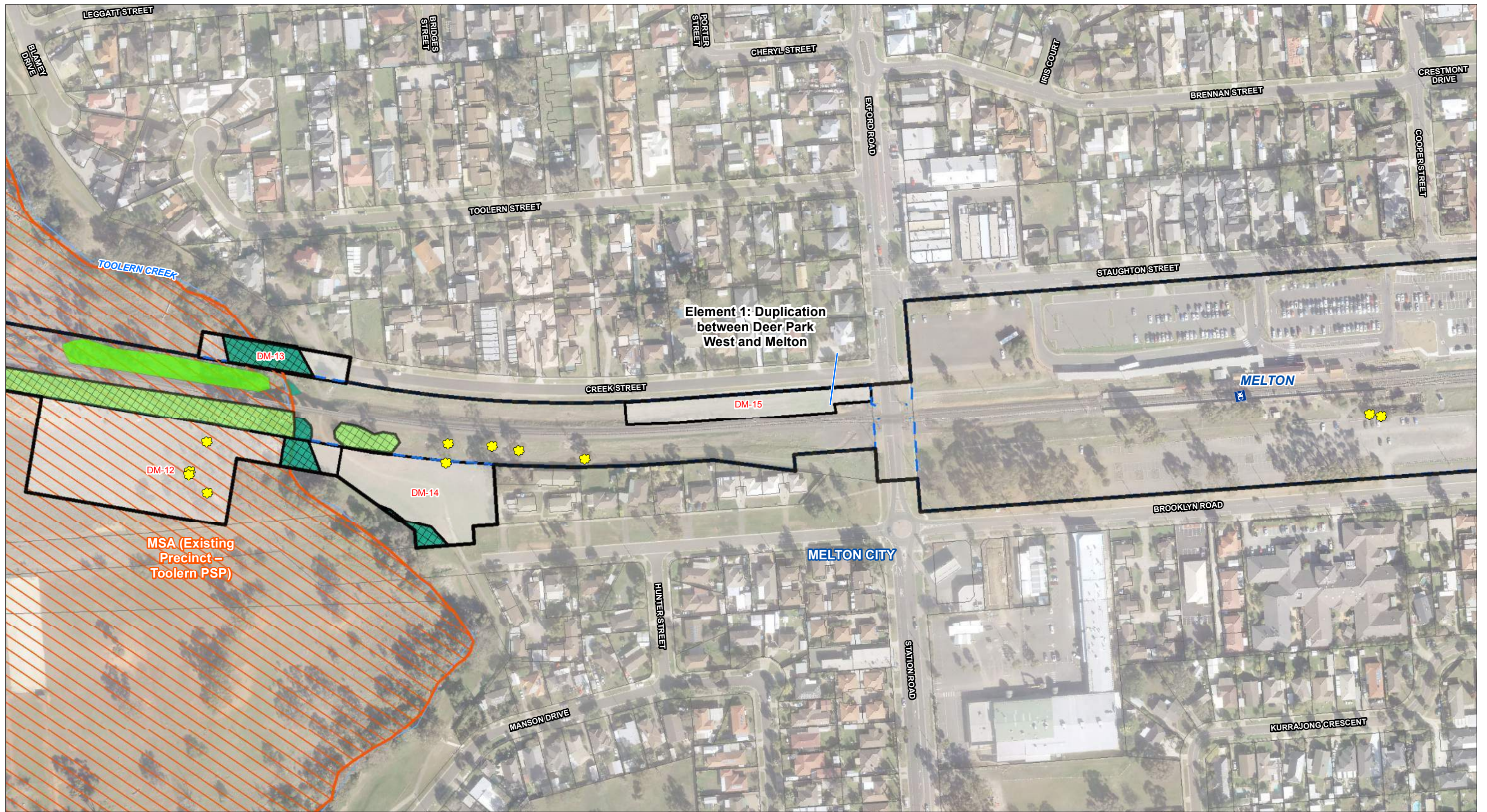
**Ballarat Line Upgrade Project**

Summary Report Mapping

Drawing Number: BLU-AJM-PWAA-MP-NF-600051	Revision: P1.1
Drawn By: A. Berman	Approved By: A. Michael
Date: 23/06/2017	Map Size: A3

0 50 100  
Metres  
Coordinate System: GDA 1994 MGA Zone 55





**Legend**

- Rail Station
- VicTrack Reserve boundary
- Watercourse
- Secondary Construction Areas
- Project Area
- Impacted Vegetation within SCA
- Impacted Vegetation
- MSA (Existing Precinct - Toolern PSP)
- Creekline Grassy Woodland
- Lignum Swamp
- Plains Grassland
- Plains Grassy Wetland
- Plains Grassy Woodland
- Plains Woodland
- Tall Marsh
- Impacted Tree

Map 21 of 49



Data Sources:  
 BLU Reference Design: May 2017  
 EHP Ecology data: 25/01/2017  
 Vicmap 2016  
 VicTrack 2017  
 Aerial photo: DELWP 2016

**Ballarat Line Upgrade Project**

Summary Report Mapping

Drawing Number: BLU-AJM-PWAA-MP-NF-600051      Revision: P1.1

Drawn By: A. Berman      Approved By: A. Michael      Date: 23/06/2017      Map Size: A3

0      50      100  
 Metres  
 Coordinate System: GDA 1994 MGA Zone 55