









Palmers Road Corridor Western Freeway to Calder Freeway EES Landscape and Visual Impact Assessment

Volume 2: Visual Material



Road Corridor

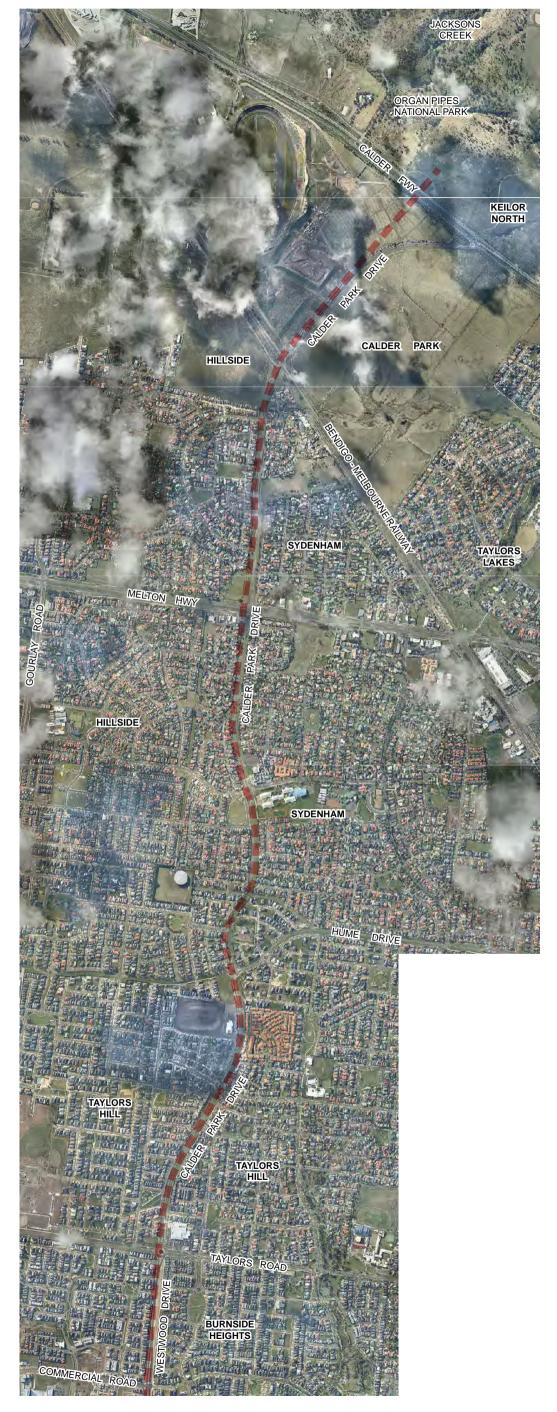


Figure 1 - Context Plan (North)

Client	VicRoa	ds					
Drawing No	138140 LMP01			Revision	1	Date	04.07.13
Drawn By	JY / JD /	TM		Checked by	FS	Approved by	FS
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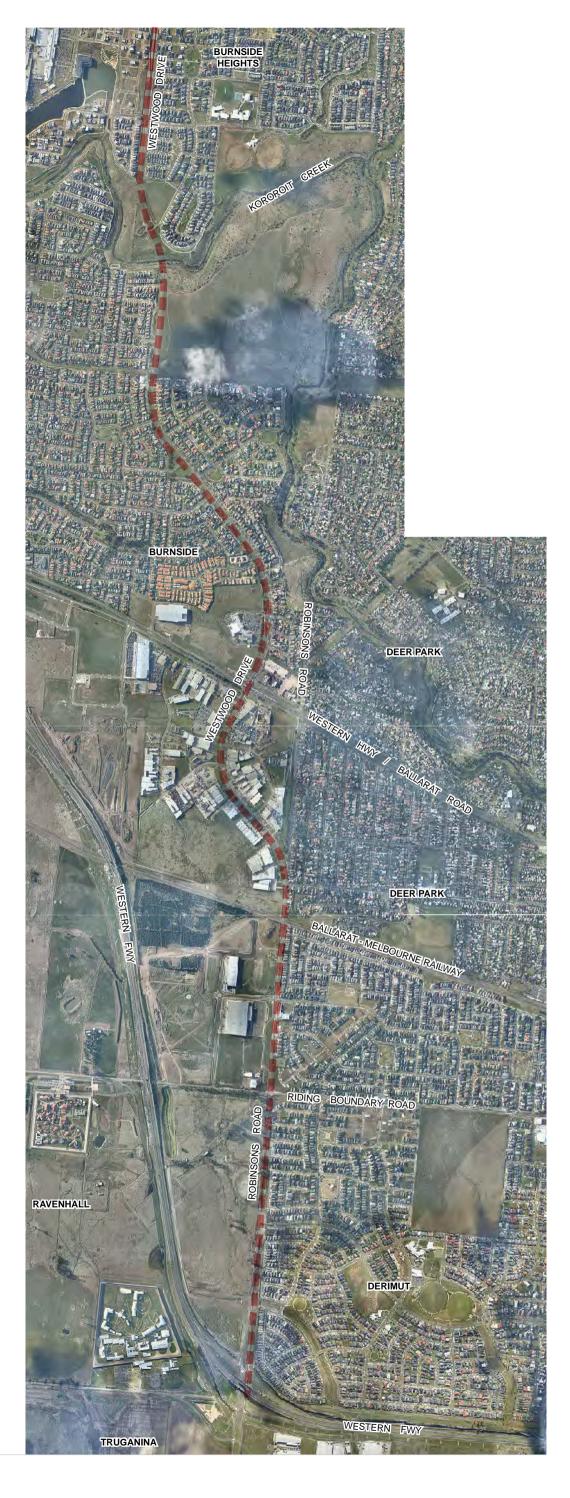
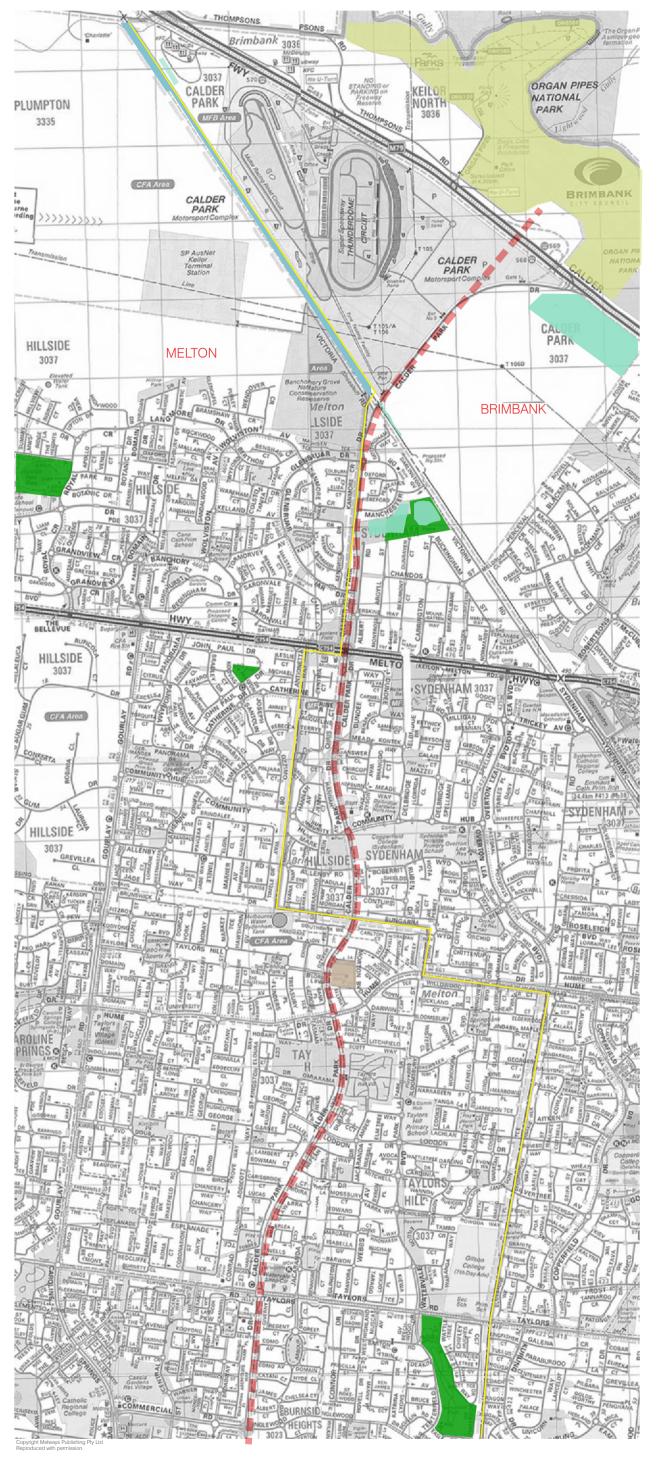


Figure 2 - Context Plan (South)

Client VicRoads								
Drawing No)	138140 LMP02			Revision	1	Date	04.07.13
Drawn By		JY / JD / TM			Checked by	FS	FS Approved by	FS
N :	200 Scale	1:20,000	200 @ A3	400 m			sp	ire



PCRZ - Public Conservation & Resource Zone

PPRZ - Public Park & Recreation Zone

ESO1 - Environmental Significance Overlay 1

ESO6 - Enviornmental Significance Overlay 6

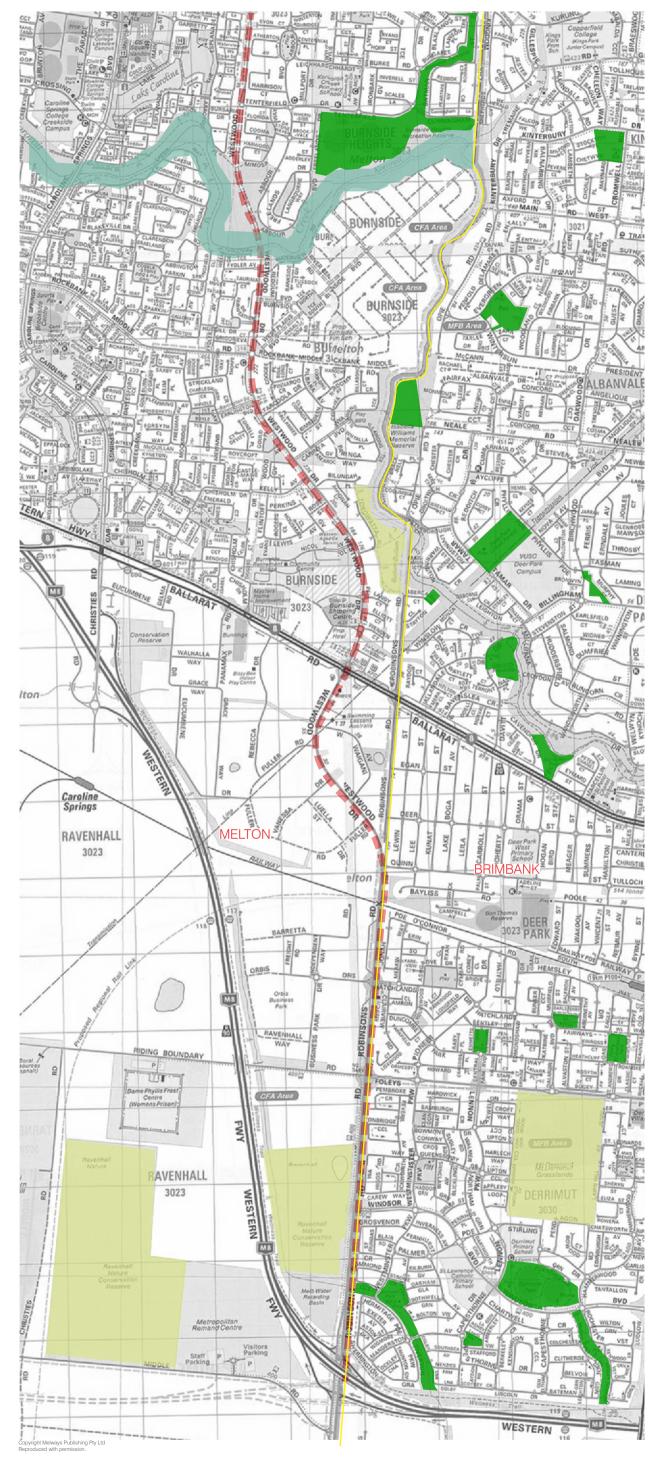
HO123 - Heritage Overlay

Road Corridor

Local government area boundary

Figure 3 - Relevant Planning Zones & Overlays (North)

Client		VicRoads						
Drawing No 138140 LMP		_MP03		Revision	1	Date	04.07.13	
Drawn By		JY / JD /	TM		Checked by	FS	Approved by	FS
N	200	0	200	400 m				•

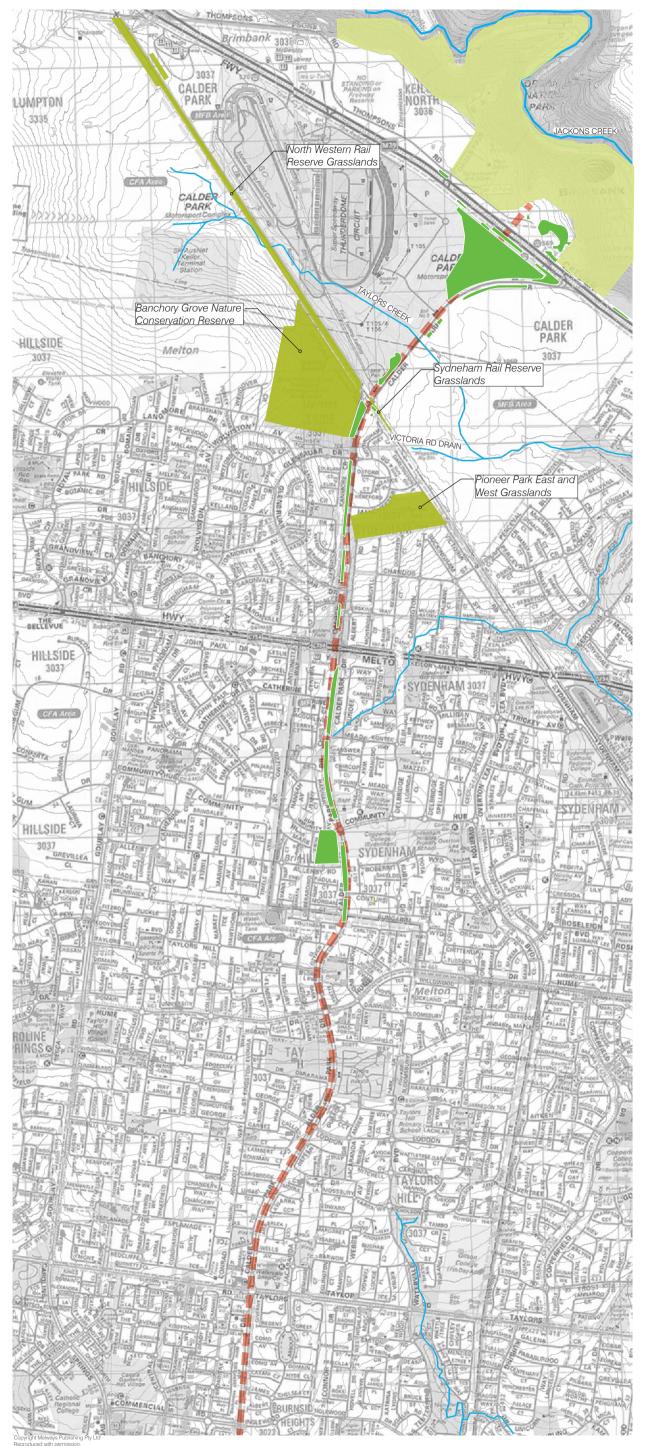


PCRZ - Public Conservation & Resource Zone
PPRZ - Public Park & Recreation Zone
ESO2 - Environmental Significance Overlay 2
Road Corridor

Local government area boundary

Figure 4 - Relevant Planning Zones & Overlays (South)

Client	VicRoads					
Drawing No	138140 LMP04		Revision	1	Date	04.07.13
Drawn By	JY / JD / TM		Checked by	FS	Approved by	FS
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Contours

Drainage lines

Organ Pipes National Park

Grassland reserves

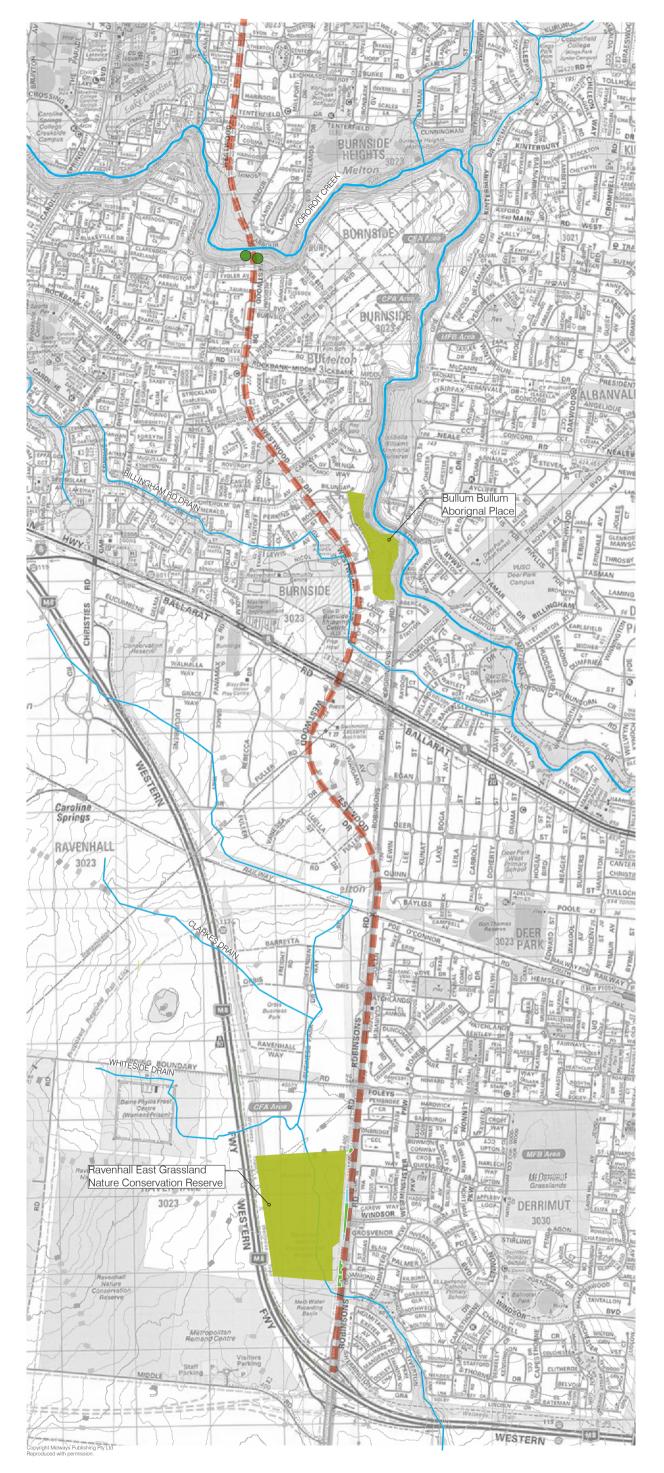
Road Corridor

Grassland areas within road corridor as per "Ecology & Heritage Partners, 2014, Flora and Fauna Assessment and Biodiversity Offset Analysis, Palmers Road Corridor: Western Freeway to Calder":

Plains Grassland

Figure 5 - Natural Landscape Elements (North)

Client		VicRoa	ds					
Drawing	No	138140 LMP05			Revision	3	Date	17.09.14
Drawn B	y	JY / JD /	TM		Checked by	FS	Approved by	FS
N	200	0	200	400 m				•
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E 6

12/

Drainage lines

Contours

Grassland reserves

Road Corridor

Grassland areas within road corridor as per "Ecology & Heritage Partners, 2014, Flora and Fauna Assessment and Biodiversity Offset Analysis, Palmers Road Corridor: Western Freeway to Calder":

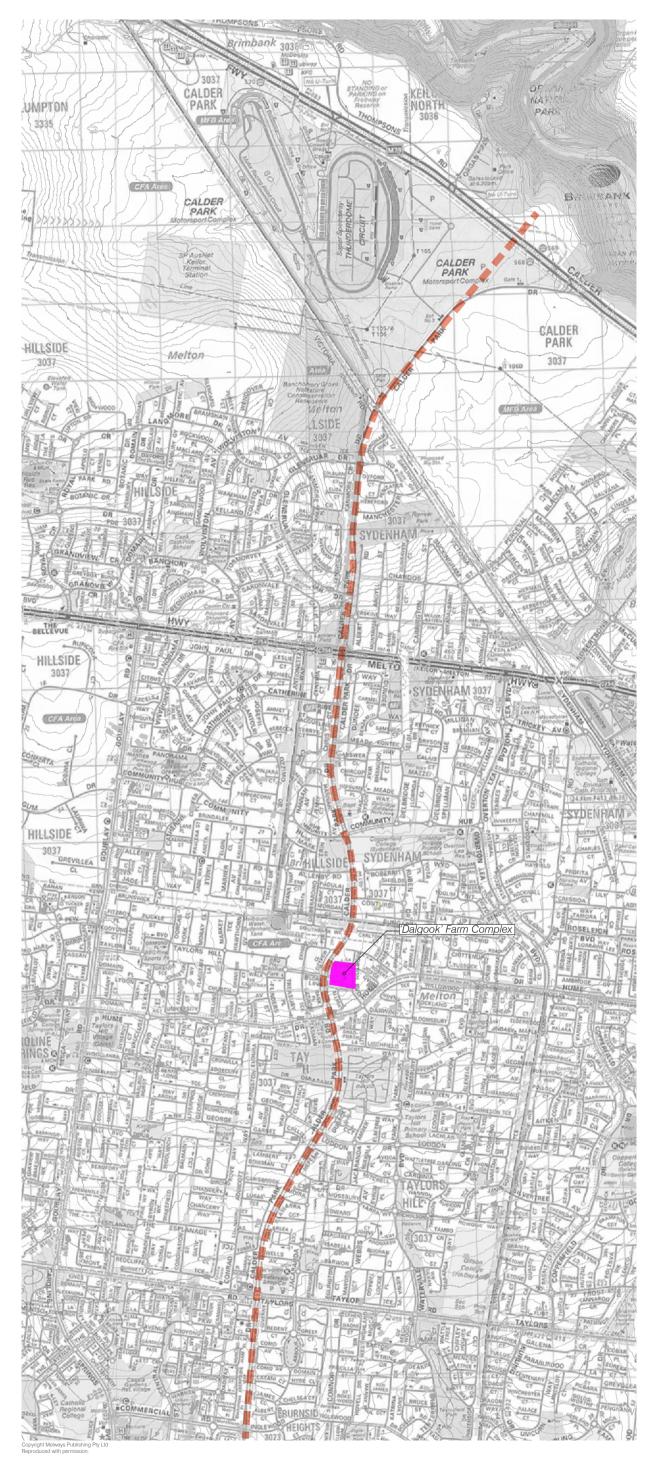
Scattered Trees

Plains Grassland

Plains Grassy Wetland

Figure 6 - Natural Landscape Elements (South)

Client		VicRoads						
Drawing	No	138140	LMP06		Revision	3	Date	17.09.14
Drawn By	/	JY / JD /	TM		Checked by	FS	Approved by	FS
N	200	0	200	400 m				•
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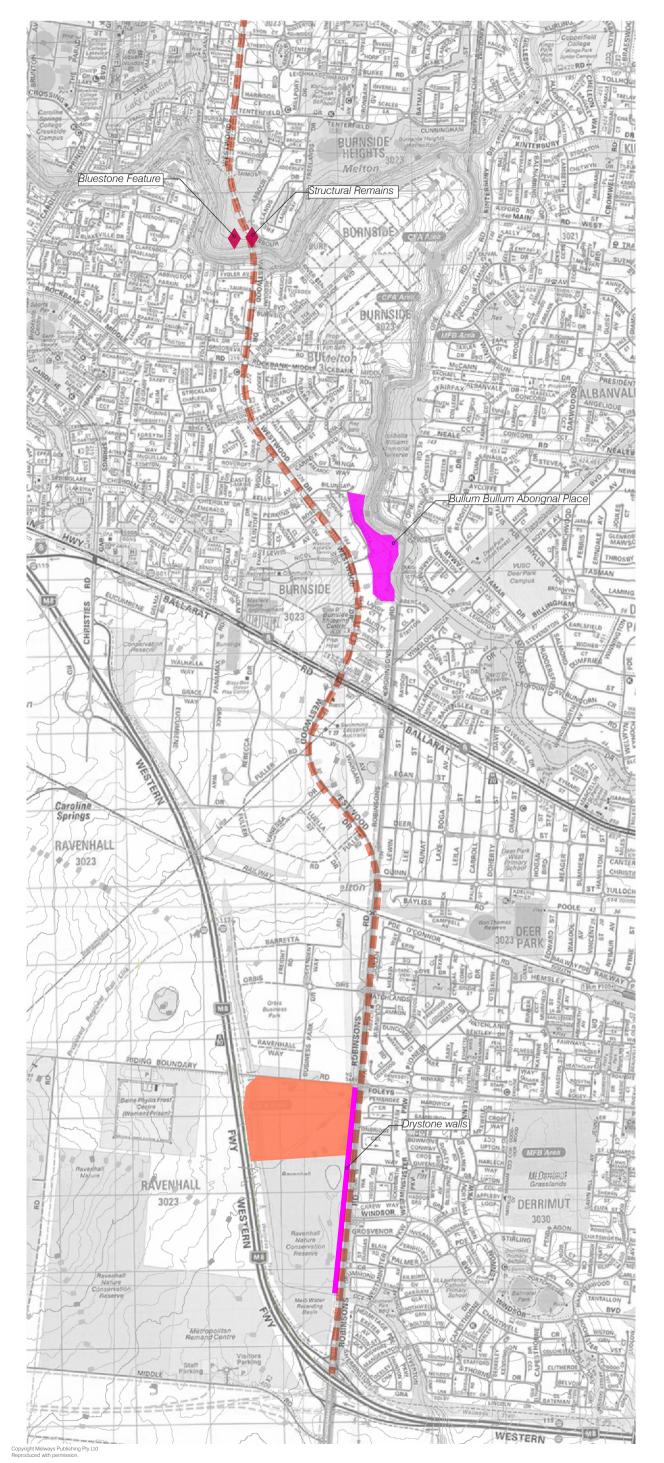


Cultural Landscape Elements

Road Corridor

Figure 7 - Cultural Landscape Elements (North)

Client		VicRoa	ds					
Drawing	No	138140 LMP07			Revision	3	Date	17.09.14
Drawn By	у	JY / JD /	TM		Checked by	FS	Approved by	FS
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Cultural Landscape Elements

Road Corridor

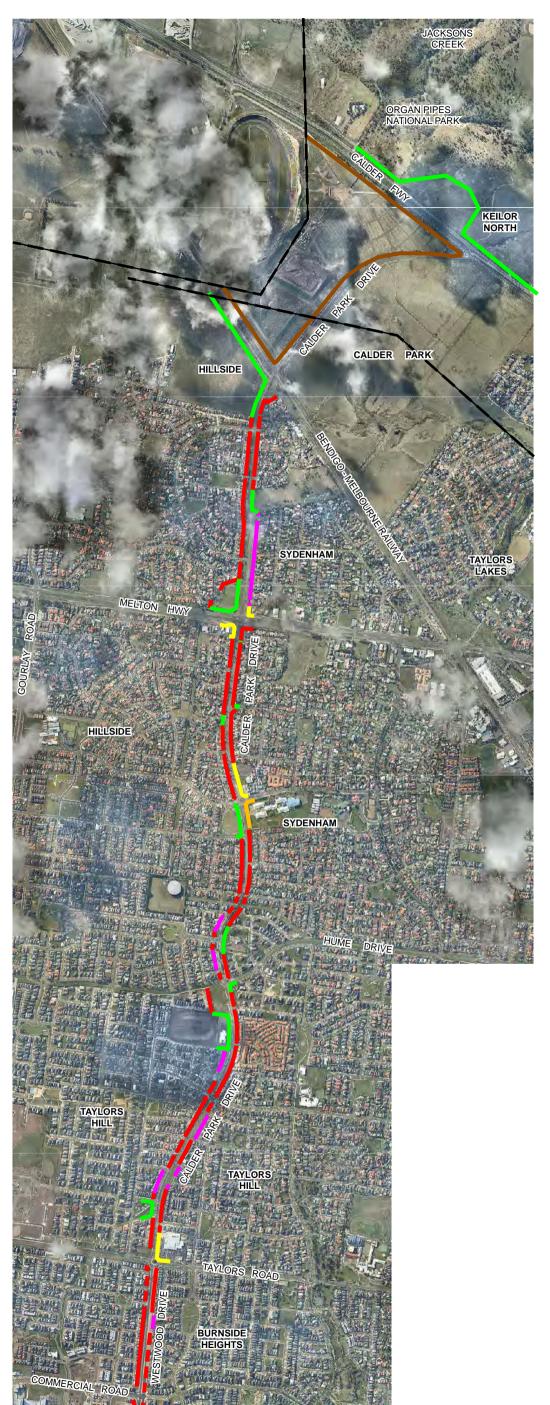
Heritage Area as per "Clark, V. et al (2014) Palmers Rd Corridor (Western Freeway to Calder Freeway) – Historic Archaeology and Cultural Heritage"

Ravenhall 2 Magazine and Storage Facility

'Drovers' Hut Remains

Figure 8 - Cultural Landscape Elements (South)

Client	VicRoads					
Drawing No	138140 LMP08	1	Revision	3	Date	17.09.14
Drawn By	JY / JD / TM		Checked by	FS	Approved by	FS
N 200	0 20	0 400 m				•
	le 1:20,000 @ A3				SD	IIre



Residential Interface - Rear / Side Boundaries
Residential Interface - Frontage
Commercial / Retail Interface
School Interface
Open Space Interface
Calder Park Motorsport Complex Interface

Transmission Lines

Figure 9 - Built Form and Constructed Landscape Elements (North)

Client	VicRoads	,			
Drawing No	138140 LMP09	Revision	1	Date	04.07.13
Drawn By	JY / JD / TM	Checked by	FS	Approved by	FS
N 200	0 200 400 m le 1:20,000 @ A3				III e

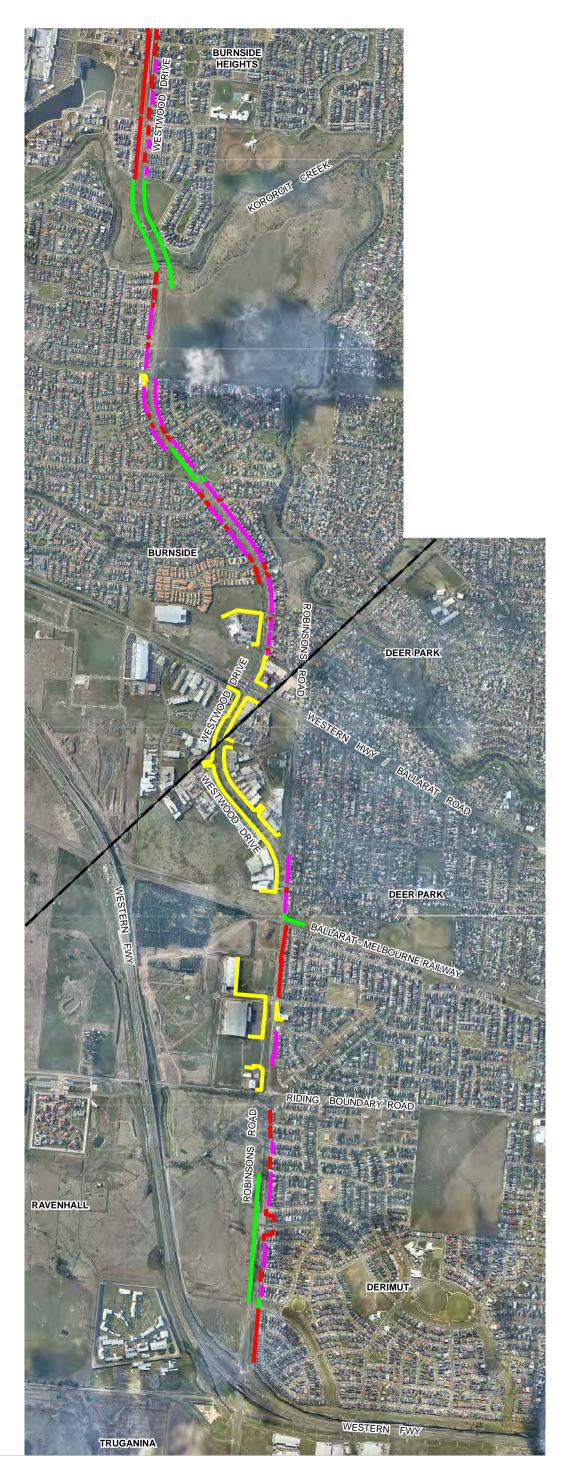
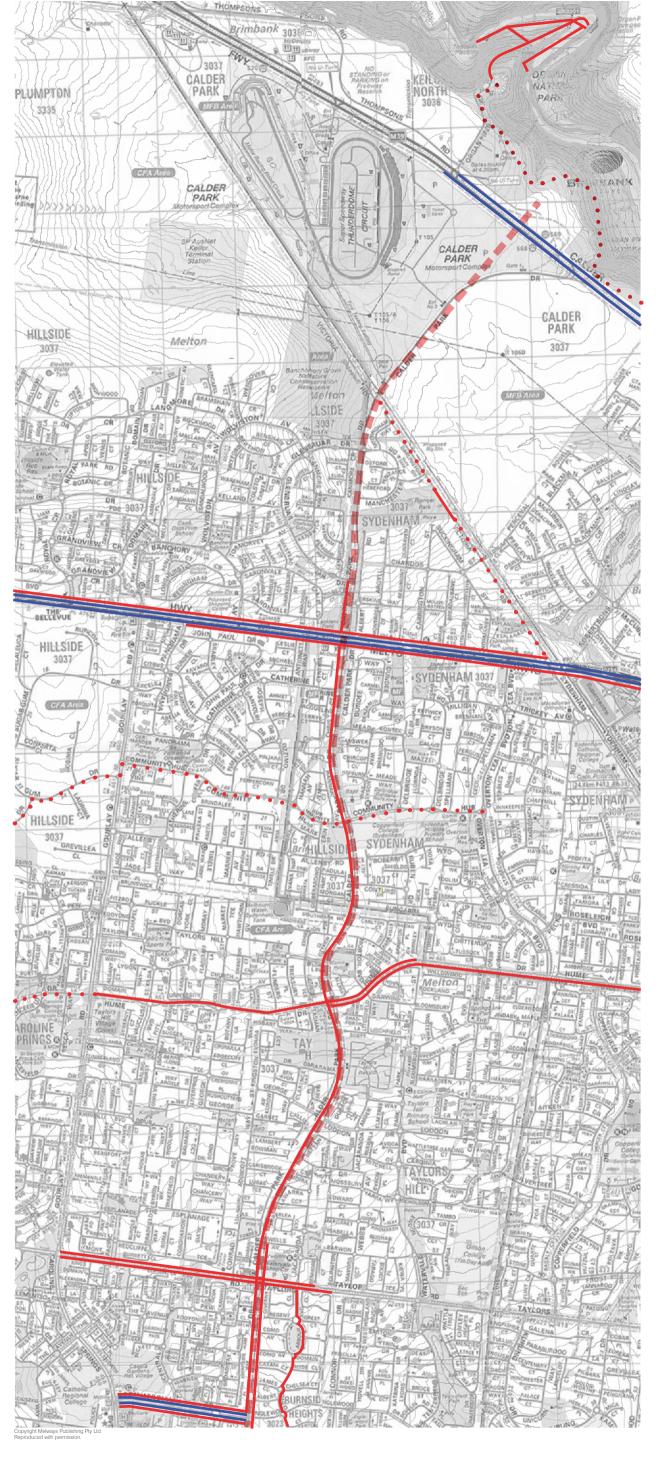




Figure 10 - Built Form and Constructed Landscape Elements (South)

Client	VicRoads					
Drawing No	138140 LMP10		Revision	1	Date	04.07.13
Drawn By	JY / JD / TM		Checked by	FS	Approved by	FS
N 200 Scale	0 200 e 1:20,000 @ A3	400 m				III e



Existing on road bicycle lane
Existing off road shared use path

Proposed off road shared use path

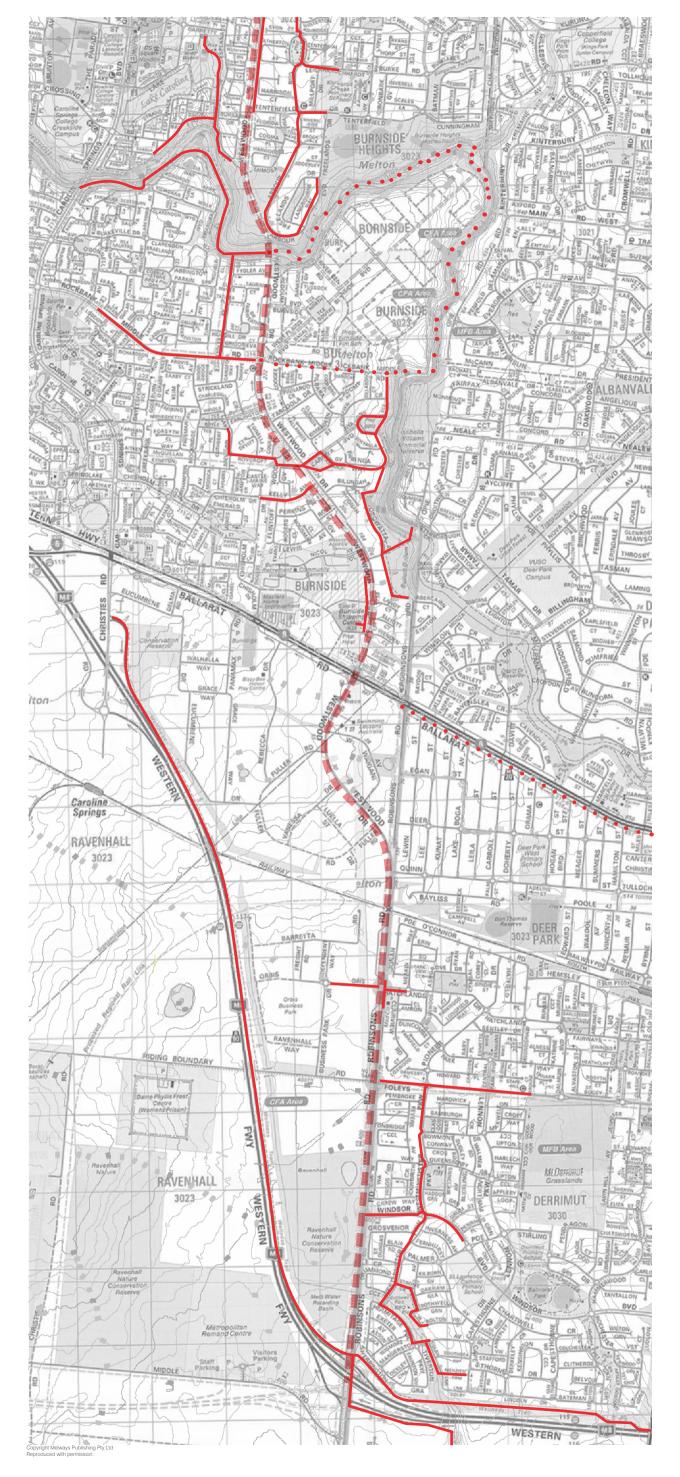
Road Corridor

Legend

• • •

Figure 11 - Shared Use Path Network (North)

Clie	ent		VicRoa	ds					
Dra	Drawing No		138140	LMP11		Revision	1	Date	04.07.13
Dra	awn By		JY / JD /	TM		Checked by	FS	Approved by	FS
	N D	200	0	200	400 m			cn	iiro
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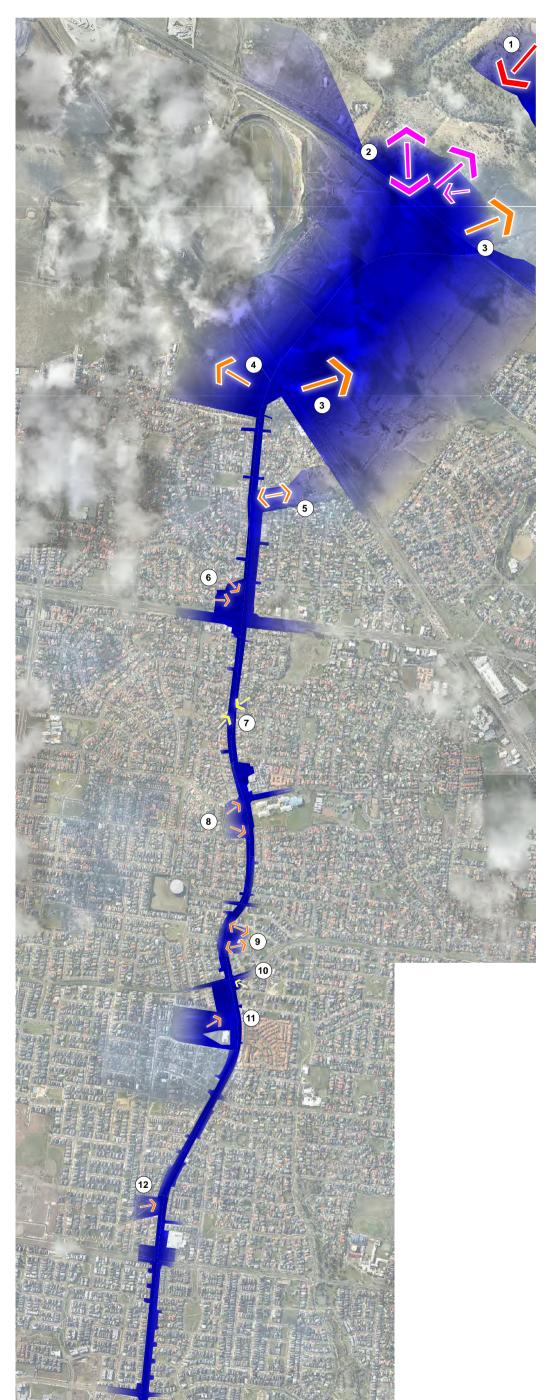




Existing on road bicycle lane
Existing off road shared use path
Proposed off road shared use path
Road Corridor

Figure 12 - Shared Use Path Network (South)

Drawing No	138140 LMP12		Povision			
			Revision	1	Date	04.07.13
Drawn By	JY / JD / TM		Checked by	FS	Approved by	FS
N 200	0 200	400 m			-	•



Viewshed

Views of very high importance

Views of high importance

Views of moderate importance

Views of low importance

Views of very high importance:

 To and from Organ Pipes National Park South of Jacksons Creek

Views of high importance:

 From Organ Pipes National Park from North of Jacksons Creek

Views of moderate importance:

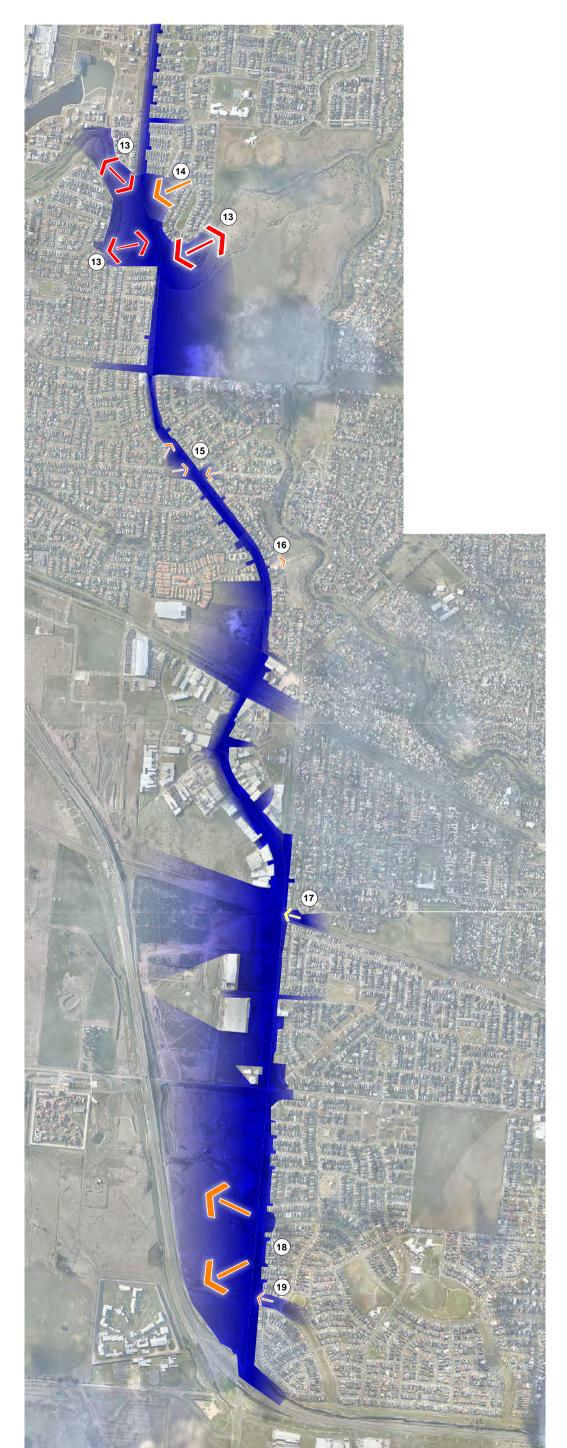
- To Melbourne Airport and to the ranges north of Melbourne
- 4. To Banchory Grove Nature Conservation Reserve
- 5. To and from Pioneer Park
- 6. From Lachlans Field
- 8. From open space reserve opposite Copperfield College
- 9. To and from 'Dalgook' Farm Complex (Morton Homestead Activity Centre)
- 11. From Taylors Hill Youth and Community Centre Reserve
- 12. From Lucas Cresent playground

Views of low importance:

- 7. From Meade Way drainage reserve
- 10. From reserve at corner of Hume and Calder Park Drives

Figure 13 - Viewshed and Views (North)

Client		VicRoa	ds					
Drawing	No	138140	LMP13		Revision	3	Date	08.07.13
Drawn By		JY / JD / TM		Checked by	FS	Approved by	FS	
N	200	0	200	400 m				•
(l)	Scale 1:20,000 @ A3				SD	IIre		



Viewshed

Views of high importance



Views of moderate importance



Views of low importance

Views of high importance:

To and from Kororoit Creek walking tracks and open space

Views of moderate importance:

- 15.
- From Arbour Boulevard Reserve
 From Roycroft Avenue Reserves
 To Bullum Bullum Aboriginal Place 16.
- To Ravenhall East Nature Conservation reserve 18.
- From Bothwell Park 19.

Views of low importance:

From Bon Thomas Reserve

Figure 14 - Viewshed and Views (South)

Client		VicRoa	ds					
Drawing N	10	138140	LMP14		Revision	3	Date	08.07.13
Drawn By		JY / JD / TM			Checked by	FS	Approved by	FS
N	200	0	200	400 m			-	
	Scale 1:20,000 @ A3					Sp	iire	



Landscape Character Area Boundaries

Basalt Plains Landscape Character Types:

Organ Pipes

Calder Park Grasslands

Calder Park

Residential Landscape Character Types:

Sydenham

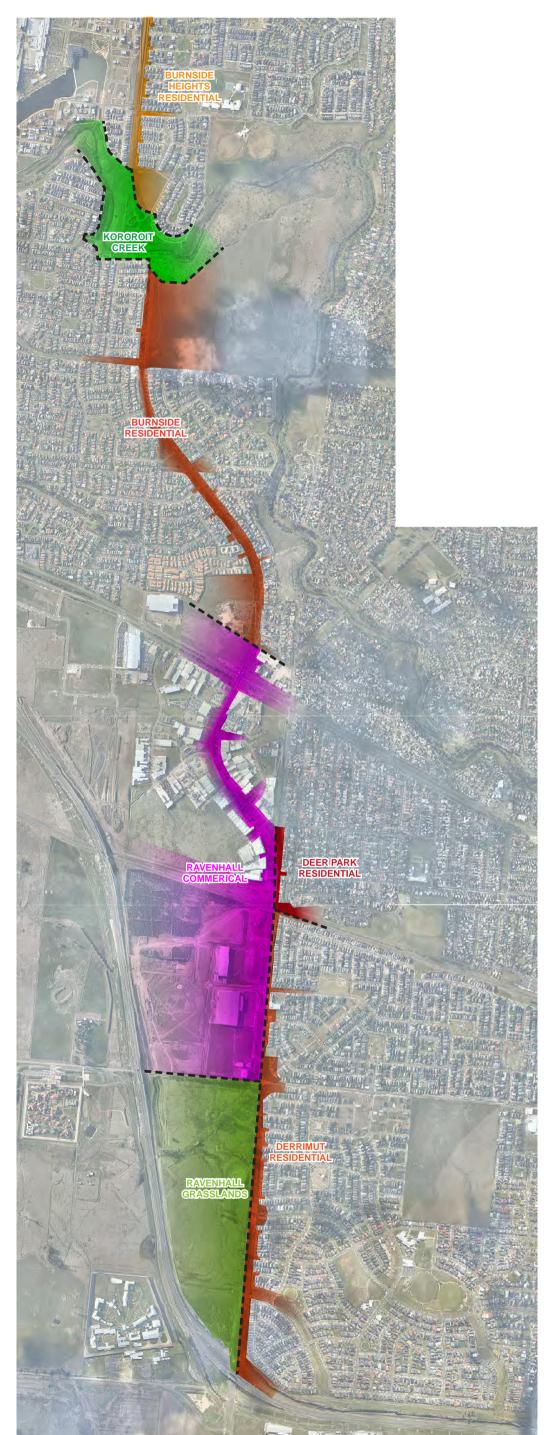
Taylors Hill

Watervale

Burnside Heights

Figure 15 - Landscape Character Areas (North)

Client		VicRoa	ds						
Drawing No		138140 LMP15			Revision	2	Date	28.01.15	
Drawn B	у	JY / JD /	TM		Checked by	FS	Approved by	FS	
N	200	0	200	400 m					



Landscape Character Zone Boundaries

Basalt Plains Landscape Character Types:

Kororoit Creek

Ravenhall Grasslands

Residential Landscape Character Types:

Burnside Heights

Burnside

Deer Park

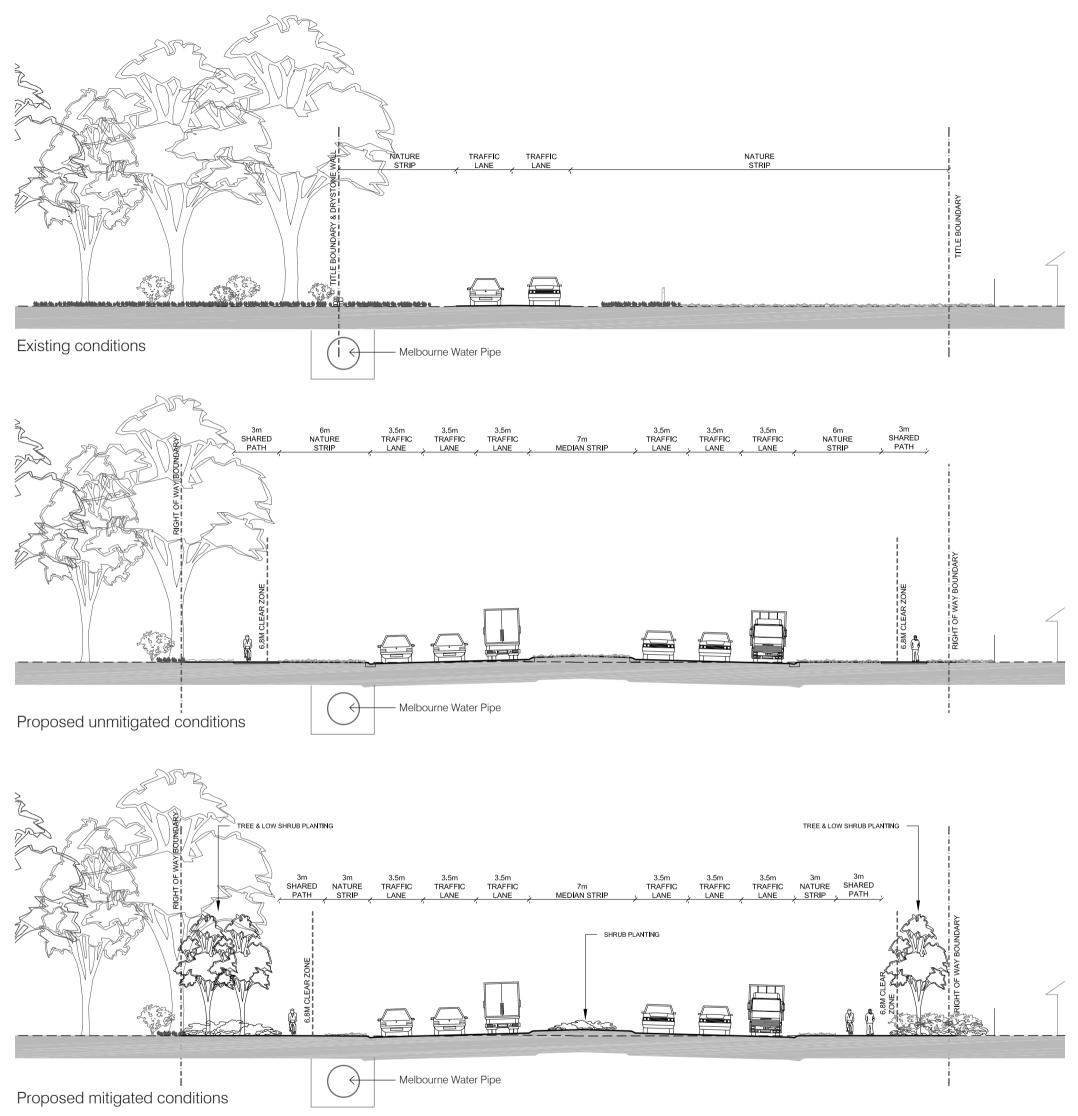
Derrimut

Commercial Landscape Character Types:

Ravenhall

Figure 16 - Landscape Character Areas (South)

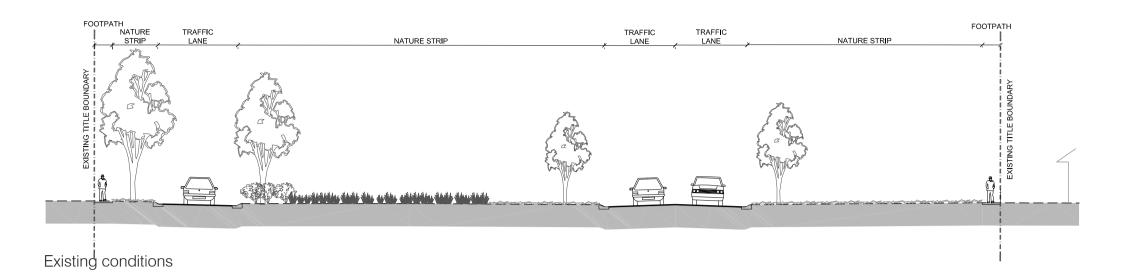
Client		VicRoa	ds						
Drawing N	No	138140	LMP16		Revision	2	Date	28.01.15	
Drawn By		JY / JD / TM			Checked by	FS	Approved by	FS	
N T	200 Scale	0 1:20,000	200 @ A3	400 m			SD	iire	

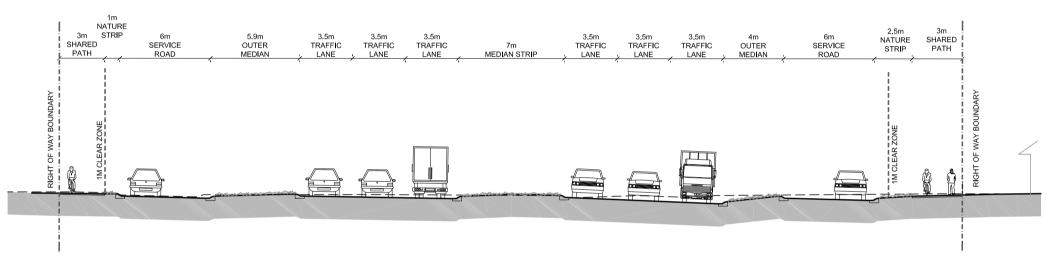


Note: Clear zone distances have not been shown if clear zones from adjacent running lanes overlap or if they fall outside the proposed ROW boundary.

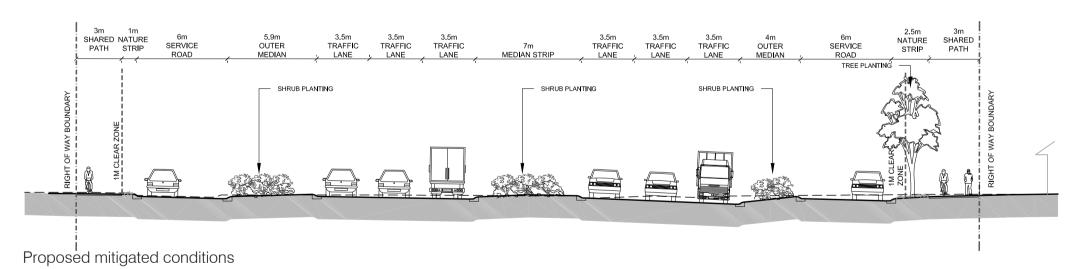
Figure 17 - Cross Section - Chainage 3240Robinsons Road, South of Ridings Boundary Road

Client		VicRoa	ds					
Drawing	No	138140	LMP17		Revision	3	Date	17.09.14
Drawn B	y	JY / AL /	TM		Checked by	FS	Approved by	FS
N	2.5	0	2.5	5 m				• •
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	Scale	e 1:250 @	A3					
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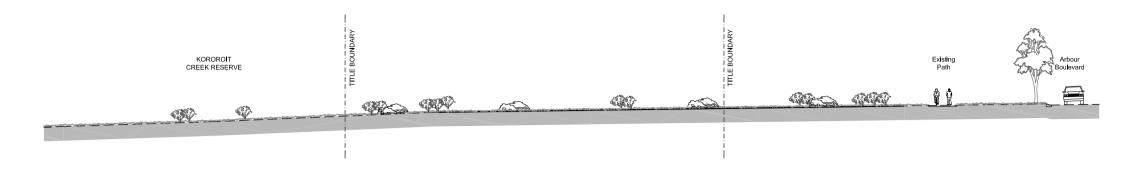
Proposed unmitigated conditions

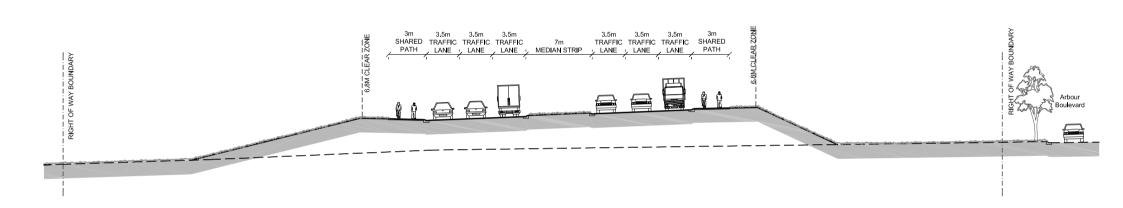


Note: Clear zone distances have not been shown if clear zones from adjacent running lanes overlap or if they fall outside the proposed ROW boundary.

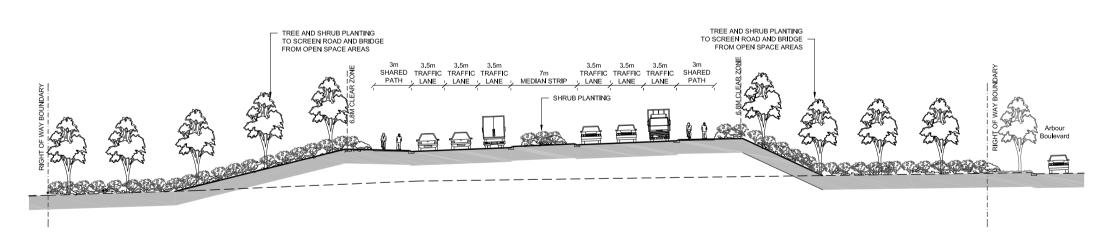
Figure 18 - Cross Section - Chainage 6760Westwood Drive, South of Kelly Avenue

Client	VicRoads					
Drawing No	138140 LMP18		Revision	3	Date	17.09.14
Drawn By	JY / AL / TM		Checked by	FS	Approved by	FS
N 2.5	0 2.5 le 1:250 @ A3	5 m			sp	nnovation in





Proposed unmitigated conditions



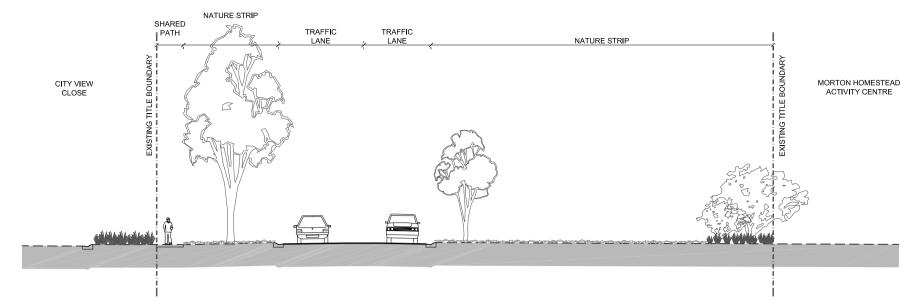
Proposed mitigated conditions

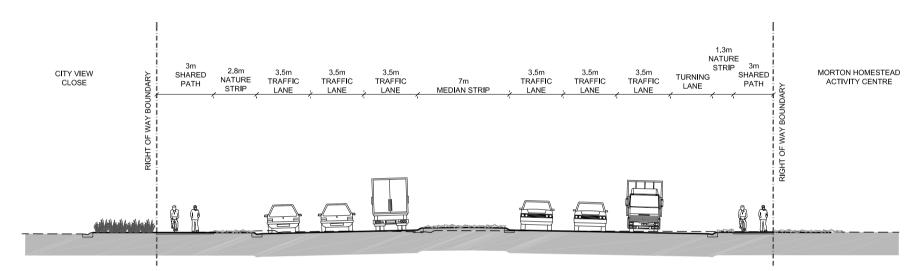
Note: Clear zone distances have not been shown if clear zones from adjacent running lanes overlap or if they fall outside the proposed ROW boundary.

Figure 19 - Cross Section - Chainage 8280

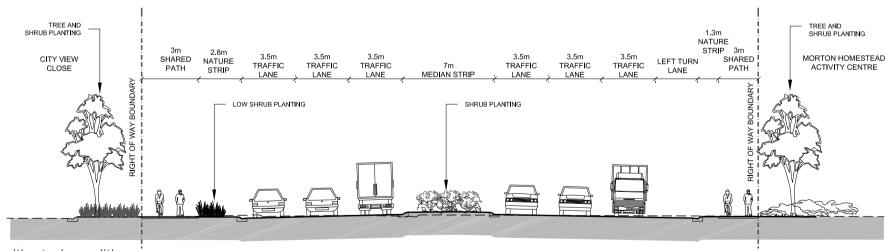
Westwood Drive, North of Kororoit Creek

Client	VicRoads					
Drawing No	138140 LMP19		Revision	4	Date	17.09.14
Drawn By	JY / AL / TM		Checked by	FS	Approved by	FS
N 4	0 4 ale 1:400 @ A3	8 m			Sp	ire





Proposed unmitigated conditions

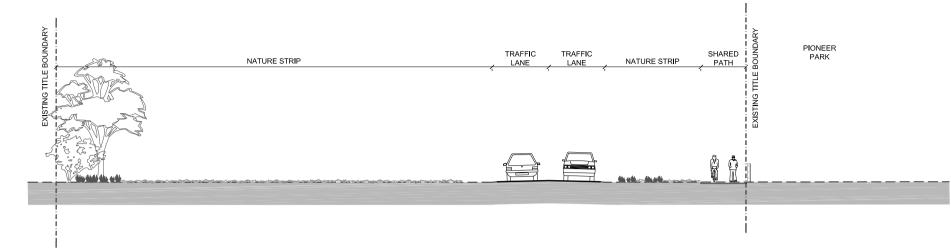


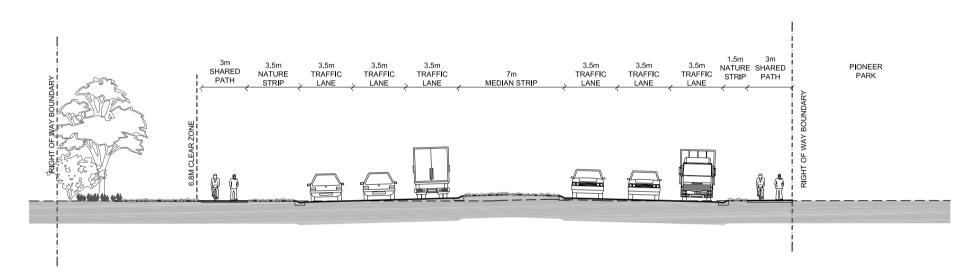
Proposed mitigated conditions

Note: Clear zone distances have not been shown if clear zones from adjacent running lanes overlap or if they fall outside the proposed ROW boundary.

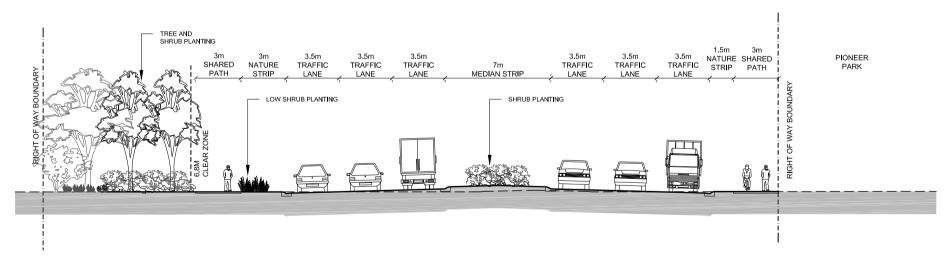
Figure 20 - Cross Section - Chainage 12060Calder Park Drive, North of Hume Drive

Client		VicRoa	ds					
Drawing	No	138140	LMP20		Revision	3	Date	17.09.14
Drawn E	By	JY / AL /	TM		Checked by	FS	Approved by	FS
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Proposed unmitigated conditions

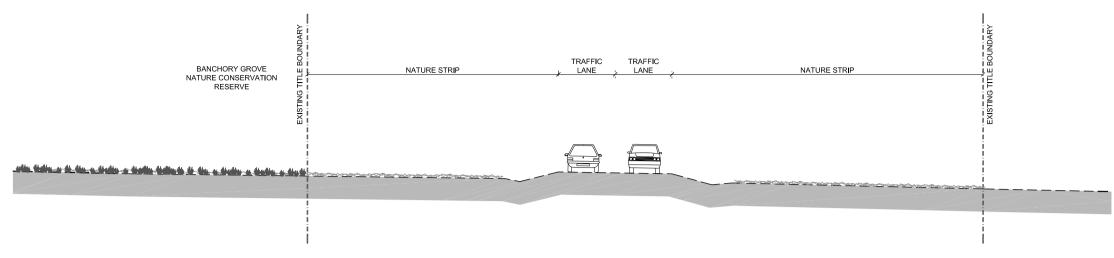


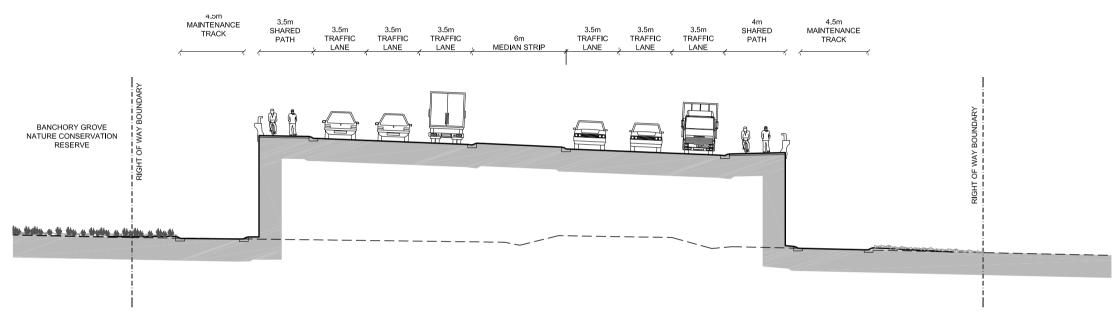
Proposed mitigated conditions

Note: Clear zone distances have not been shown if clear zones from adjacent running lanes overlap or if they fall outside the proposed ROW boundary.

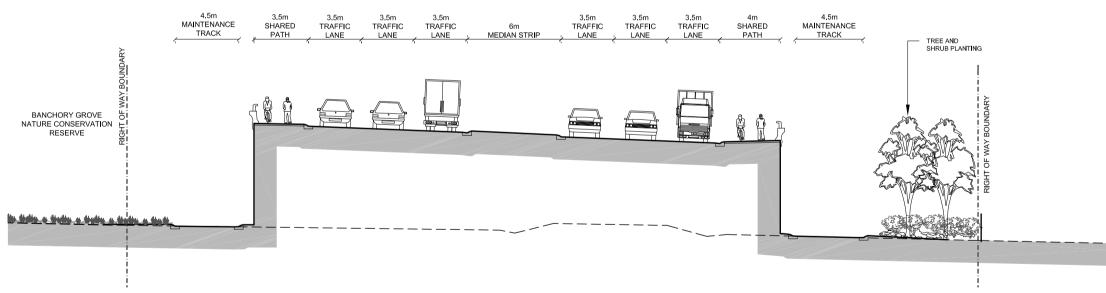
Figure 21 - Cross Section - Chainage 14360Calder Park Drive, South of Manchester Drive

Client		VicRoa	ds					
Drawing	No	138140	LMP21		Revision	3	Date	17.09.14
Drawn B	у	JY / AL /	TM		Checked by	FS	Approved by	FS
N	2.5	0	2.5	5 m				• •
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\circ								Innovation in





Proposed unmitigated conditions



Proposed mitigated conditions

Note: Clear zone distances have not been shown if clear zones from adjacent running lanes overlap or if they fall outside the proposed ROW boundary.

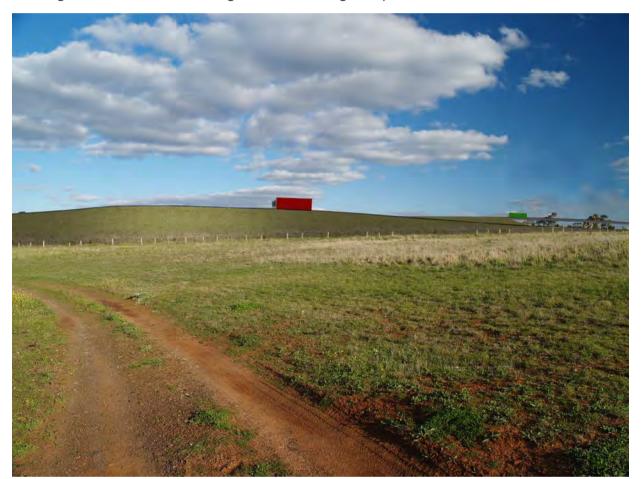
Figure 22 - Cross Section - Chainage 14940

Calder Park Drive, North of Glenbruar Drive

Client		VicRoa	ds					
Drawing	No	138140	LMP22		Revision	3	Date	17.09.14
Drawn B	у	JY / AL /	TM		Checked by	FS	Approved by	FS
N	2.5	0	2.5	5 m				• •
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$\overline{}$								Innovation in



Existing view from future walking track within Organ Pipes National Park



Proposed View - Unmitigated



Proposed View - Mitigated



Location and direction of Photomontage 1

Figure 23 - Photomontage 1
View from Organ Pipes National Park South to proposed
Calder Freeway interchange

Client	VicRoads				
Drawing No	138140 LMP23	Revision	2	Date	12.09.13
Drawn By	AL	Checked by	JG	Approved by	FS





Exisiting view Kororoit Creek Valley.



Proposed View - Unmitigated



Proposed View - Mitigated



Location and direction of Photomontage 2

Figure 24 - Photomontage 2 View from Sullivan Terrace North East towards Kororoit Creek

Client	VicRoads				
Drawing No	138140 LMP24	Revision	4	Date	30.01.15
Drawn By	AL	Checked by	FS	Approved by	FS





Low Plant Mix
Tall Plant Mix
Lawn grass
Shared Path

Right of Way Boundary

Existing Plains Grassland to be retained

Plains Grassland areas are as per "Ecology & Heritage Partners, 2014, Flora and Fauna Assessment and Biodiversity Offset Analysis, Palmers Road Corridor: Western Freeway to Calder Freeway".

Figure 25 - Calder Freeway Interchange Concept Plan

Client Drawing No Drawn By		VicRoad							
		138140 LMP25			Revision Checked by	4 FS	Date	17.09.14	
		JY / AL					Approved by	FS	
M	20 Scale	0 e 1:2000 @	20 A3	40 m			sp	III C	





Lawn grass

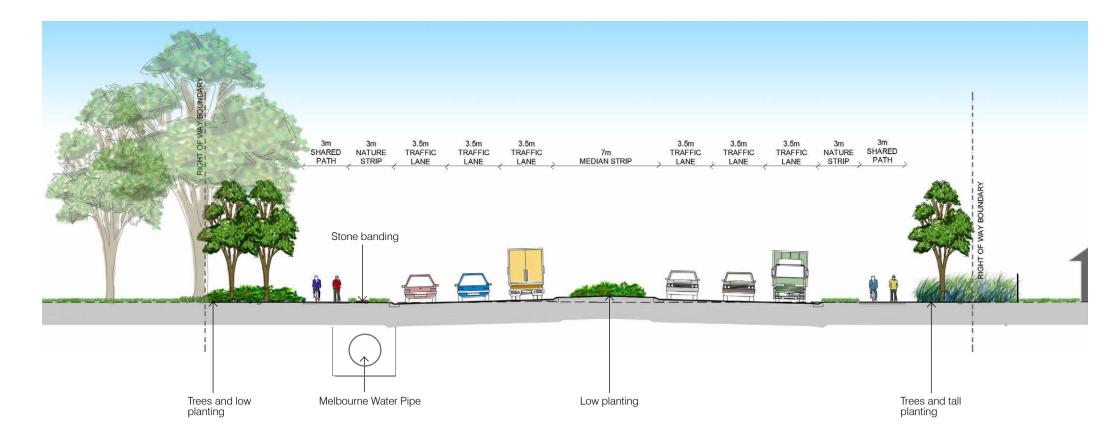
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Shared Path

Right of Way Boundary

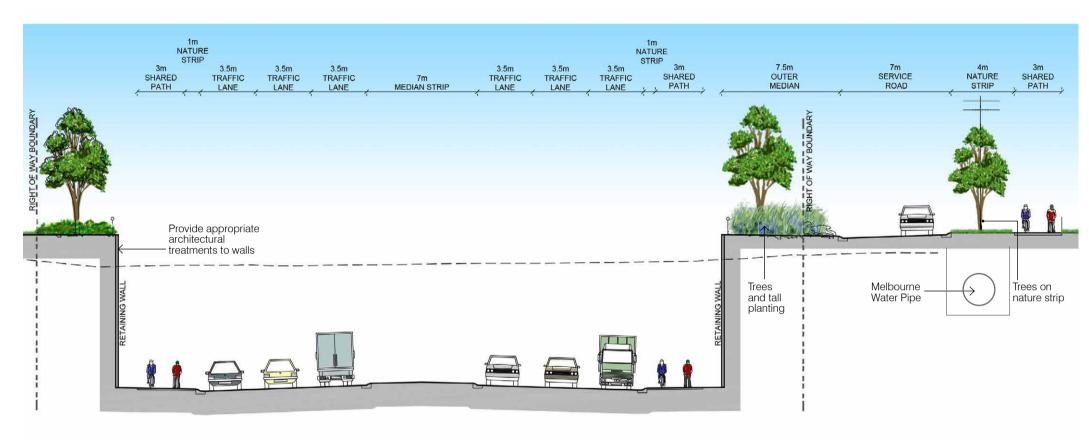
Figure 26 - Kororoit Creek Crossing Concept Plan

•						•	•		
Client Drawing No Drawn By		VicRoads							
		138140 LMP26			Revision Checked by	3 FS	Date	18.08.14 FS	
		JY / AL					Approved by		
N 15 0 15 Scale 1:1500 @ A3			30 m			sp	ire		



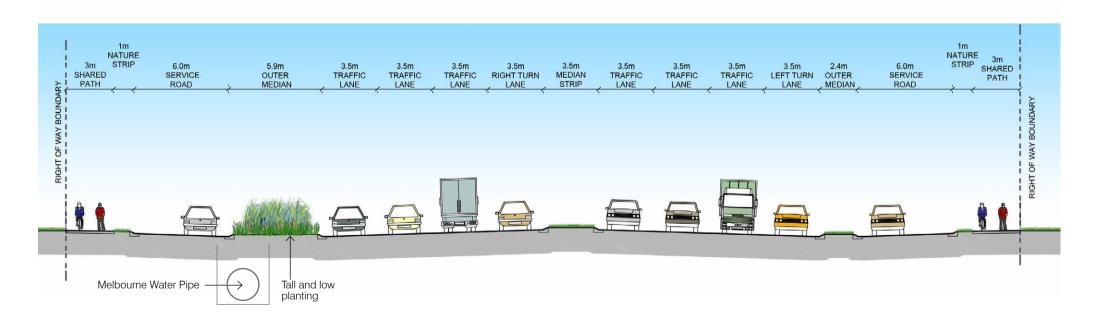
01 | Robinsons Road: Western Freeway - Ballarat Railway Line (Chainage 3240)

1:250 @ A3



02 | Robinsons Road: Ballarat Railway Line Underpass (Chainage 4420)

1:250 @ A3

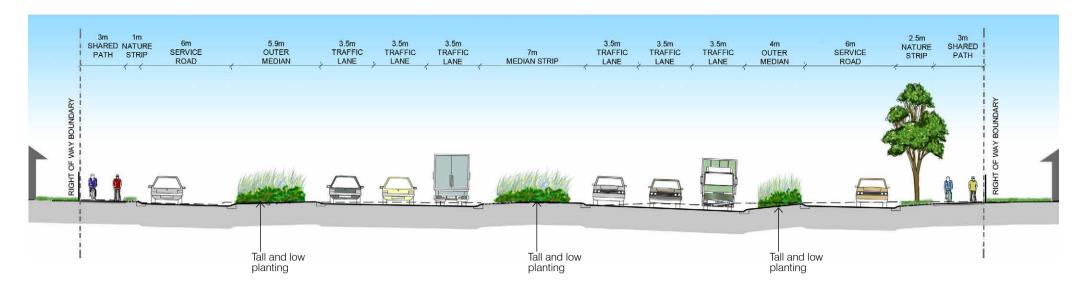


03 | Westwood Drive: Ballarat Railway Line - Western Highway (Chainage 4900)

1:250 @ A3

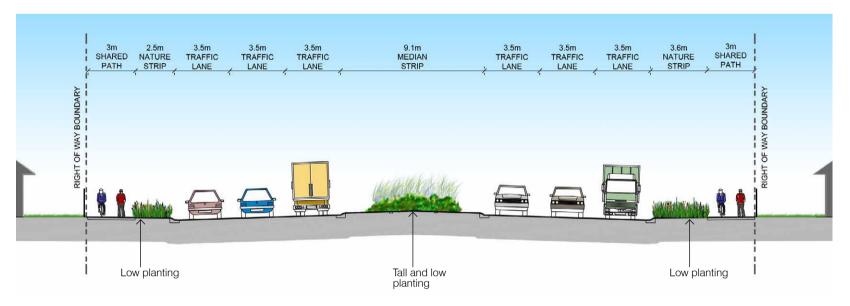
Figure 27 - Landscape Concept Typical Cross Sections

Client	VicRoads							
Drawing No	138140 LMP27			Revision Checked by	2 FS	Date	12.09.13 FS	
Drawn By	JY/AL		Approved by					
N 2.5	0 le 1:250 @ <i>F</i>	2.5	5 m			sp	nnovation in	



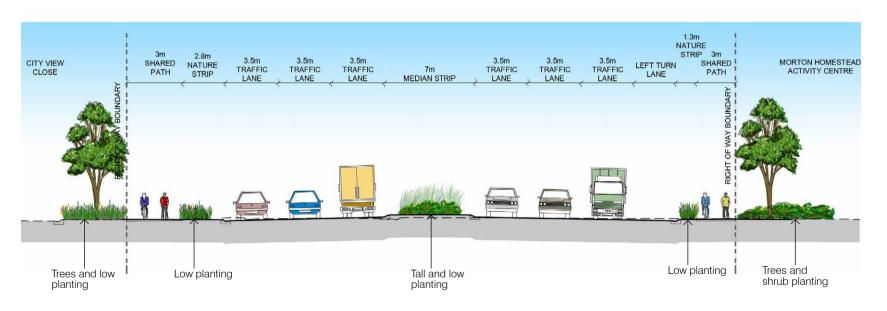
01 | Westwood Drive: Western Highway - Kororoit Creek (Chainage 6760)

1:250 @ A3



02 | Westwood Drive & Calder Park Drive: Kororoit Creek - Hume Drive (Chainage 9800)

1:250 @ A3

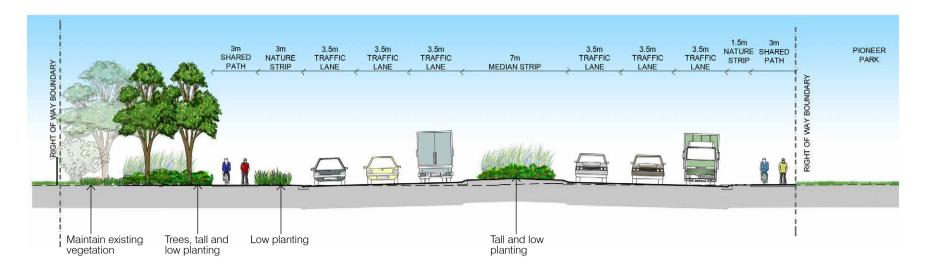


03 | Calder Park Drive: Hume Drive - Southbank Walk (Chainage 12060)

1:250 @ A3

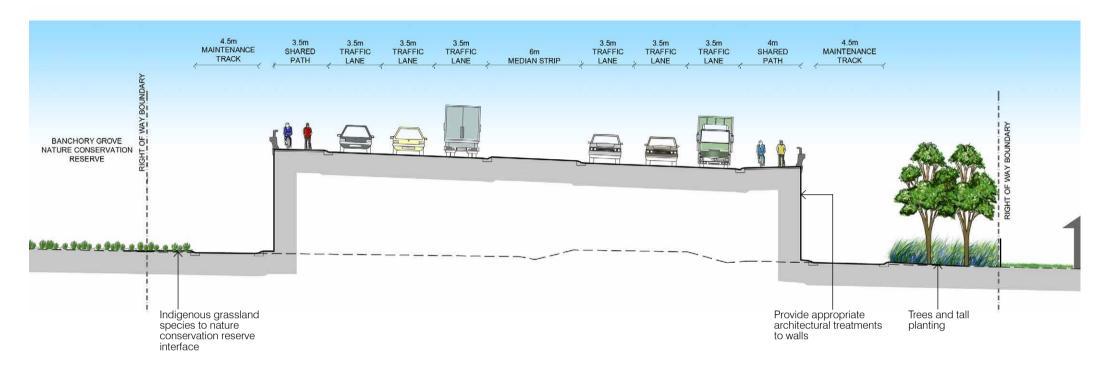
Figure 28 - Landscape Concept Typical Cross Sections

Client		VicRoa	ds					
Drawing No		138140 LMP28			Revision	2	Date	12.09.13
Drawn By		JY/AL			Checked by	FS	Approved by	FS
N	2.5	0	2.5	5 m				• •
Scale 1:250 @ A3						SD	IIre	
								Innovation in Infrastructure



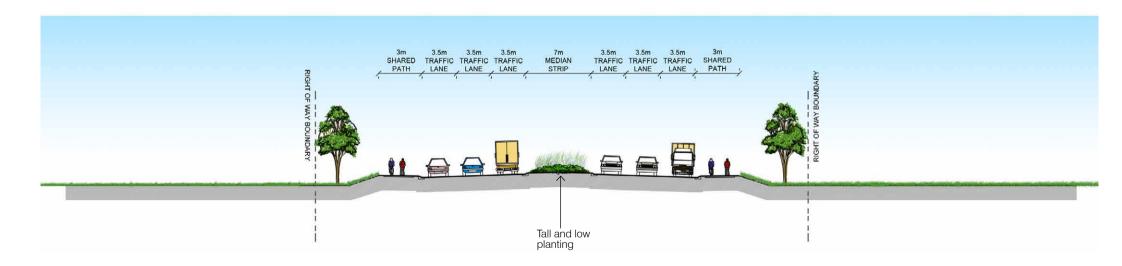
01 | Calder Park Drive: Southbank Walk - Bendigo Railway Line (Chainage 14360)

1:250 @ A3



02 | Calder Park Drive: Bendigo Railway Line Overpass (Chainage14940)

1:250 @ A3



03 | Calder Park Drive: Bendigo Railway Line - Calder Freeway (Chainage 15520)

1:400 @ A3

Figure 29 - Landscape Concept Typical Cross Sections

Client	VicRoads		Revision	3		18.08.14
Drawing No	138140 LMP29				Date	
Drawn By	JY/AL		Checked by	FS	Approved by	FS
N 2.5	0 2.5	5 m				•





Viewshed origin points



Viewshed area seen from origin points



Major viewing points within Organ Pipes National Park



Main walking tracks within Organ Pipes National Park

Note: This plan indicates the potential area north of the highway, visible from the viewshed origin points indicated along the proposed interchange. This viewshed mapping does not consider the screening effects of existing or proposed vegetation and trees.

Figure 30 - Organ Pipes National Park Viewshed Plan

Client	VicRoads				
Drawing No	138140 LMP30	Revision	1	Date	02.02.15
Drawn By	JY/AL	Checked by	FS	Approved by	FS
NI .					

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