

# Index

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## 1. Background

Mayfield Road is listed in the Shire's road hierarchy as a local distributor – rural road which is mainly used by the rural property owners as well as being a link to the Shire of Murray to the north. The current road width is 4.5 metres and has been flagged for road widening to increase the carriageway to a minimum of 6 metres in width.

## 2. Project Brief

As part of the 2020/21 works budget funds have been allocated to carry out road widening along Mayfield Road within 5.45 to 6.10 straight line kilometres (SLK). Funds have been sourced through the Federal Government Roads to Recovery Program therefore it is imperative the works are completed within the 2020/21 financial year as carry forwards under that funding model are discouraged.

The road widening will include the retaining and reuse of the existing road formation materials which is the most efficient use of funds as it allows the reuse of the existing longitudinal drainage without major earthworks as well as using as much as the existing formation as sub-base as possible. The vegetation clearing represented in this application is the worst case scenario. The Shire will only take out the absolute minimum required as tree removal is an expensive exercise and the more trees removed the less road that can be reconstructed.

There is a substantial amount of native vegetation within the road reserve and to limit the impact only vegetation which is within five metres of the edge of the new bitumen seal has been flagged for removal. A surveyor has been engaged to create survey files to pin point the location of the selected vegetation and the tree species have been identified to assist with the assessment of Vegetation Clearing Permit.

## 3. Clearing Period

It is expected the clearing will not commence until October 2020 and be completed in 2020/21 however to cover unforeseen circumstances the requested permit validity period is until October 2023.

## 4. Calculations

The below table indicates that the estimated area is 0.35 hectares which has been calculated based on the Department of Water and Environmental conversion rate of one tree = 0.01 hectares.

<b>Road Reserve Width:</b>	20m
<b>Seal Width:</b>	4.5m
<b>Number of Trees:</b>	34
<b>Estimated Hectares</b>	0.35 hectares

In addition the Shire have arranged for Shape files to be created showing an pin point for each tree with the information below being available in the attribute table.

Tree ID	Description	Trunk (m)	Canopy (m)
5141	<i>Corymbia Calophylla</i>	0.4	8
5142	<i>Corymbia Calophylla</i>	0.3	7
5143	<i>Corymbia Calophylla</i>	0.3	7
5144	<i>Corymbia Calophylla</i>	0.4	8
5145	<i>Corymbia Calophylla</i>	0.6	12
5146	<i>Corymbia Calophylla</i>	0.3	7
5147	<i>Corymbia Calophylla</i>	0.3	7
5148	<i>Corymbia Calophylla</i>	0.4	8
5149	<i>Corymbia Calophylla</i>	0.4	8
5150	<i>Corymbia Calophylla</i>	0.3	7
5151	<i>Corymbia Calophylla</i>	0.5	10
5152	<i>Corymbia Calophylla</i>	0.5	10
5153	<i>Corymbia Calophylla</i>	0.4	8
5154	<i>Corymbia Calophylla</i>	0.3	7
5155	<i>Corymbia Calophylla</i>	0.3	7
5156	<i>Corymbia Calophylla</i>	0.5	10
5157	<i>Corymbia Calophylla</i>	0.4	8
5158	<i>Corymbia Calophylla</i>	0.5	10
5159	<i>Corymbia Calophylla</i>	0.5	10
5160	<i>Corymbia Calophylla</i>	0.4	8
5161	<i>Corymbia Calophylla</i>	0.7	14
5162	<i>Corymbia Calophylla</i>	0.4	8
5163	<i>Corymbia Calophylla</i>	0.3	7
5164	<i>Corymbia Calophylla</i>	0.7	14
5165	<i>Corymbia Calophylla</i>	0.5	10
5166	<i>Corymbia Calophylla</i>	0.4	8
5167	<i>Corymbia Calophylla</i>	0.3	7
5168	<i>Corymbia Calophylla</i>	0.3	7
5169	<i>Corymbia Calophylla</i>	0.4	8
5170	<i>Melaleuca Raphiophylla</i>	0.4	8
5171	<i>Corymbia Calophylla</i>	0.6	12
5172	<i>Corymbia Calophylla</i>	0.6	12
5173	<i>Corymbia Calophylla</i>	0.4	8
5174	<i>Corymbia Calophylla</i>	0.5	10

## 5. Aerial Map



\* The Map above shows Mayfield Road running in a North direction from the intersection of Somers Road.

## 6. Photos and Additional Information

All photos have been taken heading north from the intersection of Somers Road. First inspection of the trees showed no obvious signs of nesting or hollow points.



Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5141	<i>Corymbia Calophylla</i>	0.4	8	No signs of nesting or hollow points.
5142	<i>Corymbia Calophylla</i>	0.3	7	No signs of nesting or hollow points.
5143	<i>Corymbia Calophylla</i>	0.3	7	No signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5144	<i>Corymbia Calophylla</i>	0.4	8	No signs of nesting or hollow points.



Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5146	<i>Corymbia Calophylla</i>	0.3	7	Tree is damaged and has no obvious signs of nesting or hollow points.
5147	<i>Corymbia Calophylla</i>	0.3	7	No signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5148	<i>Corymbia Calophylla</i>	0.4	8	No signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5149	<i>Corymbia Calophylla</i>	0.4	8	No obvious signs of nesting or hollow points.



Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5150	<i>Corymbia Calophylla</i>	0.3	7	No obvious signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5154	<i>Corymbia Calophylla</i>	0.3	7	No obvious signs of nesting or hollow points.
5155	<i>Corymbia Calophylla</i>	0.3	7	No obvious signs of nesting or hollow points.
5156	<i>Corymbia Calophylla</i>	0.5	10	No obvious signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5158	<i>Corymbia Calophylla</i>	0.5	10	No obvious signs of nesting or hollow points. Tree has dropped limbs and is within the curve sight lines



Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5160	<i>Corymbia Calophylla</i>	0.4	8	No obvious signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5161	<i>Corymbia Calophylla</i>	0.7	14	No obvious signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5162	<i>Corymbia Calophylla</i>	0.4	8	No obvious signs of nesting or hollow points.
5163	<i>Corymbia Calophylla</i>	0.3	7	No obvious signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5164	<i>Corymbia Calophylla</i>	0.7	14	No obvious signs of nesting or hollow points. Tree is within 2.5m of the edge of seal, on a bend and growing within the table drain.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5165	<i>Corymbia Calophylla</i>	0.5	10	No obvious signs of nesting or hollow points.
5166	<i>Corymbia Calophylla</i>	0.4	8	No obvious signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5167	<i>Corymbia Calophylla</i>	0.3	7	No obvious signs of nesting or hollow points.
5168	<i>Corymbia Calophylla</i>	0.3	7	No obvious signs of nesting or hollow points.
5169	<i>Corymbia Calophylla</i>	0.4	8	No obvious signs of nesting or hollow points.



Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5170	<i>Melaleuca Raphiophylla</i>	0.4	8	No obvious signs of nesting or hollow points.





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5171	<i>Corymbia Calophylla</i>	0.6	12	No signs of nesting or hollow points
5172	<i>Corymbia Calophylla</i>	0.6	12	No signs of nesting or hollow points





Tree ID	Description	Trunk (m)	Canopy (m)	Additional Information
5173	<i>Corymbia Calophylla</i>	0.4	8	No signs of nesting or hollow points
5174	<i>Corymbia Calophylla</i>	0.5	10	No signs of nesting or hollow points