



## 1. Application details

### 1.1. Permit application details

Permit application No.: 2523/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: City of Albany

### 1.3. Property details

Property: ROAD RESERVE ( KALGAN 6330)  
ROAD RESERVE ( MILLBROOK 6330)  
LOT 68 ON DIAGRAM 18510 (House No. 23 BROUGHTON ORANA 6330)  
LOT 101 ON DIAGRAM 96001 (House No. 66 WELLINGTON CENTENNIAL PARK 6330)  
ROAD RESERVE ( TORBAY 6330)  
Local Government Area: City Of Albany  
Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
2.28		Mechanical Removal	Drainage
		Mechanical Removal	Road construction or maintenance
		Mechanical Removal	Road construction or maintenance
		Mechanical Removal	Road construction or maintenance
		Mechanical Removal	Road construction or maintenance
		Mechanical Removal	Road construction or maintenance
		Mechanical Removal	Road construction or maintenance
		Mechanical Removal	Road construction or maintenance

## 2. Site Information

### 2.1. Existing environment and information

#### 2.1.1. Description of the native vegetation under application

Vegetation Description	Clearing Description	Vegetation Condition	Comment
The vegetation under application consist of:	The total area proposed to be cleared is 2.28 hectares. The clearing is to occur over 4 road reserves encompassing 8 separate sites, and 2 drainage sites.	The vegetation under application within the Takenup road reserve is described as being in a very good (Keighery 1994) condition.	The description and condition of the vegetation under application was obtained via the use of orthomosaic mapping systems and site visits conducted by the DEC and Road Side Conservation Committee
- Beard vegetation association 3: Medium forest;jarrah-marri			
- Beard vegetation association 978: Low forest; jarrah, Eucalyptus staeri & Allocasuarina fraseriana	The majority of the vegetation consists of Beard vegetation association 978 & 3, ranging from degraded to very good in its condition (Keighery 1994).	The vegetation under application within churchlane road reserve appears to be in a degraded to good (Keighery 1994) condition.	
- Beard vegetation association 51: Sedgeland; reed swamps, occasionally with heath		The vegetation within the Hennings road reserve appears to be in a good to very good (Keighery 1994) condition	
- Beard vegetation		The vegetation	

( Roads & Drainage Program 2008)

**Methodology** Keighery (1994)  
RCC advice (2008)  
Regional advice (2008)  
Roads & Drainage Program (2008) Trim ref: DOC60471  
GIS DataSets:  
- Manypeaks 1.4m Orthomosaic DLI Jan04  
- Albany 1m Orthomosaic Landgate 2001  
- Albany Mount Barker 1.4m Orthomosaic Landgate 2002

**(b) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia.**

**Comments Proposal may be at variance to this Principle**

The vegetation under application within the respective road reserves (with the exception of Takenup road) and drainage sites (as listed in the table below), is not likely to be significant habitat for fauna species within the local area, due to the small size of the vegetation to be cleared and the amount of suitable habitat nearby. Species known to occur in areas near the 4 road reserves and drainage sites include the Forest red-tailed black cockatoo (*Calyptorhynchus banksii naso*), Quenda (*Isodon obesulus fusciventer*) and the Brush tailed-phascogale (*Phascogale tapoatafa*), Noisy scrub-bird (*Atrichornis clamosus*), Water rat (*Hydromys chrysogaster*), Chuditch (*Dasyurus geoffroii*), Western Mud Minnow (*Galaxiella munda*) and Eastern Curlew (*Numenius madagascariensis*).

The vegetation under application within the Takenup road reserve is described as being in a very good condition. The proposed clearing is to stretch over 2km and include the widening 1 metre either side of the road. Due to the plantations on either side of the roadside, the vegetation is particularly important for habitat and helps link remnants in the area and the clearing of this section of vegetation within this part of the road reserve will significantly lessen its value as a habitat for fauna (RCC advice 2008). The shire will restrict works to within the existing maintenance zones, and has advised that the clearing will not be broadscale, avoiding any unnecessary clearing and minimising any clearing where possible, this will lessen the impact on local fauna.

Location	Clearing discription	area ha)
Churchlane Rd (North section)	Widen road	0.12
Takenup Rd	Widen road	0.4
Churchlane Rd (South Section)	Widen road	0.04
Hennings Rd	Realign intersection	0.24
Millbrook Rd (3 north sections)	Widen culverts, & widen road on curve	0.2
Millbrook Rd (2 south sections)	Widen culverts & curve	0.88

(Roads & Drainage Program 2008)

**Methodology** DEC site Visit (2008)  
RCC advice (2008)  
Roads & Drainage Program (2008) Trim ref: DOC60471  
SacBioDataSets (accessed 25/7/07)

**(c) Native vegetation should not be cleared if it includes, or is necessary for the continued existence of, rare flora.**

**Comments Proposal may be at variance to this Principle**

The vegetation under application within churchlane road reserve appears to be in a degraded to good (Keighery 1994) condition. The purpose of the proposed clearing is for road widening. The northern section under application (approximately 0.12 hectares) has a priority flora species *Hakea tuberculata* (P3) (Regional advice 2008) located 150 meters north which may be impacted by the proposed clearing, the vegetation within this part of the road reserve is considered to be in a good (Keighery, 1994) condition (DEC site visit 2008). RCC advice (2008) describes the road as being reasonably wide, and therefore suggests that works be done within

reserve include vegetated buffers (minimum of 50 metres) to protect nearby rare flora and, where possible, clearing of vegetation is avoided or site specific, the impacts of the proposed clearing will be reduced.

**Methodology** DEC site visit (2008)  
Keighery (1994)  
Regional advice (2008)  
RCC advice (2008)  
SacBioDataSets (accessed 25/07/08)

**(d) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a threatened ecological community.**

**Comments** **Proposal is not at variance to this Principle**  
There is a Threatened Ecological Community (TEC) of Banksias coccinea thicket located 2km north of the middle area of the 3 small sections of vegetation under application in the northern part of Millbrook road, 5km east of the southern most section and 4.4km south east of the southern section of the vegetation under application on churchlane road. The proposed clearing of 2.28 hectares of native vegetation is not likely to impact any TECs located within the local area of any of the areas proposed to be cleared.

The proposed clearing is not at variance to this principle.

**Methodology** SacBioDataSets (accessed 25/07/08)

**(e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.**

**Comments** **Proposal may be at variance to this Principle**  
All areas under application are within the agricultural area covered by the EPA's position paper No 2, which is against the clearing of native vegetation for the purposes of agriculture except for relatively small areas where alternative mechanisms for protecting biodiversity are addressed (EPA 2000).

The combined total area of all included areas (road reserves and drainage sites) proposed to be cleared is 2.28 hectares, encompassing beard vegetation associations 3, 14, 51 and 978. The vegetation ranges from degraded to very good (Keighery 1994) condition over all the areas under application. The proposed clearing of 2.28 hectares of native vegetation comprised of a mixture of vegetation types, will not reduce the representation of any of the previously mentioned vegetation types to levels below the recommended 30% threshold (Commonwealth 2001).

However, the vegetation under application within the Takenup road reserve, which is described as being in a very good condition, has plantations on either side of the roadside and the vegetation is particularly important for habitat and helps link remnants in the area (RCC advice 2008). The removal of vegetation within this part of the road reserve will significantly lessen its value as a habitat for fauna (RCC advice 2008). The shire will restrict works to within the existing maintenance zones, and has advised that the clearing will not be broadscale, avoiding any unnecessary clearing and minimising any clearing where possible.

Vegetation type	Pre-European Extent	Current Extent	% Remaining
Beard 3	2661403	1846588	69.4
Beard 978	19 749	53230	37.1
Beard 51	59085	34007	57.6
Beard 14	94609	70601	74.6
City of Albany	427257	152274	35.6
Jarrah Forest (Bioregion) (Shepherd et al. 2006)	4506654	2405331	53.4

Description of clearing and area (See table below)

Location	Clearing discription	area (ha)
Churchlane Rd (North section)	Widen road	0.12

**Methodology** GIS DataSets:  
- Albany 1m Orthomosaic Landgate 2001  
- Manypeaks 1.4m Orthomosaic DLI Jan04  
- Calm Managed Lands and Waters (01/11/03)

**(i) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.**

**Comments** **Proposal is not likely to be at variance to this Principle**  
The 2.28 hectares of vegetation under application is comprised of 10 sites at various locations, which are relatively small in size (0.04 – 0.88ha). Due to the minimal size of these sites the proposed clearing is not likely to cause deterioration in the surface or ground water quality.

**Methodology**  
- Albany 1m Orthomosaic Landgate 2001  
- Manypeaks 1.4m Orthomosaic DLI Jan04  
- Acid Sulfate Soil Risk Map, Albany-Torbay (07/08/06)  
- Groundwater Salinity, statewide (13/07/06)  
- Rainfall, Mean Annual (01/12/99)  
- Soils, statewide (30/11/99)

**(j) Native vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the incidence or intensity of flooding.**

**Comments** **Proposal is not likely to be at variance to this Principle**  
The proposed clearing of 2.28 hectares of native vegetation over 4 road reserves which is broken into 8 separate sites, and two drainage sites, is not likely to cause an increase in flood peak or duration.

**Methodology** GIS DataSets:  
- Albany 1m Orthomosaic 2001  
- Manypeaks 1.4m Orthomosaic DLI Jan04  
- Rainfall, Mean Annual (01/12/99)  
- Soils, statewide (30/11/99)

**Planning instrument, Native Title, Previous EPA decision or other matter.**

**Comments**  
The drainage site under application at Whidby Street has had previous illegal clearing on the area in the form of hydrocarbon discharge into nearby Yakamia creek.

All areas are covered by the Waterways Conservation Act  
**Methodology** GIS DataSets:  
- ICMS Polygons DEC Current  
- Native title  
- Waterways Conservation Act, Waterways Management Area (23/04/02)

**4. Assessor's comments**

**Comment**  
The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the proposed clearing is;  
- not at variance to principles (d)  
- not likely to be at variance to principles (f), (g), (h), (i) & (j)  
- may be at variance to principles (a), (b), (c) & (e)

**5. References**

Commonwealth of Australia (2001) National Targets and Objectives for Biodiversity Conservation 2001-2005, AGPS, Canberra.  
DEC (2008) Site visit inspection report (Trim Ref: DOC 60020)  
DEC (2008) Site visit inspection report (Trim Ref: DOC60021)  
DEC (2008) Site visit inspection report (Trim Ref: DOC60022)  
DEC (2008) Site visit inspection report (Trim Ref: DOC60023)  
EPA (2000) Environmental protection of native vegetation in Western Australia. Clearing of native vegetation, with particular reference to the agricultural area. Position Statement No. 2. December 2000. Environmental Protection Authority.  
Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.