



GOVERNMENT OF  
WESTERN AUSTRALIA

## CLEARING PERMIT

*Granted under section 51E of the Environmental Protection Act 1986*

### PERMIT DETAILS

Purpose Permit Number: 4127/1  
File Number: 2010/010879-1  
Duration of Permit: From 14 February 2011 to 14 January 2014

### PERMIT HOLDER

City of Armadale

### LAND ON WHICH CLEARING IS TO BE DONE

Road Reserve (PIARA WATERS 6112) PIN: 11871378  
Road Reserve (HARRISDALE 6112) PIN: 11812011  
Road Reserve (PIARA WATERS 6112) PIN: 11871385  
Road Reserve (PIARA WATERS 6112) PIN: 11871381  
Lot 2 on Diagram 55101 (HARRISDALE 6112)

### PURPOSE FOR WHICH THE CLEARING MAY BE DONE

Clearing for the purpose of road widening and service installation

### CONDITIONS

1. The Permit Holder must not clear more than 0.472 hectares of native vegetation within the area cross hatched yellow on attached Plan 4127/1.

A handwritten signature in black ink, appearing to read 'K Faulkner', written over a horizontal line.

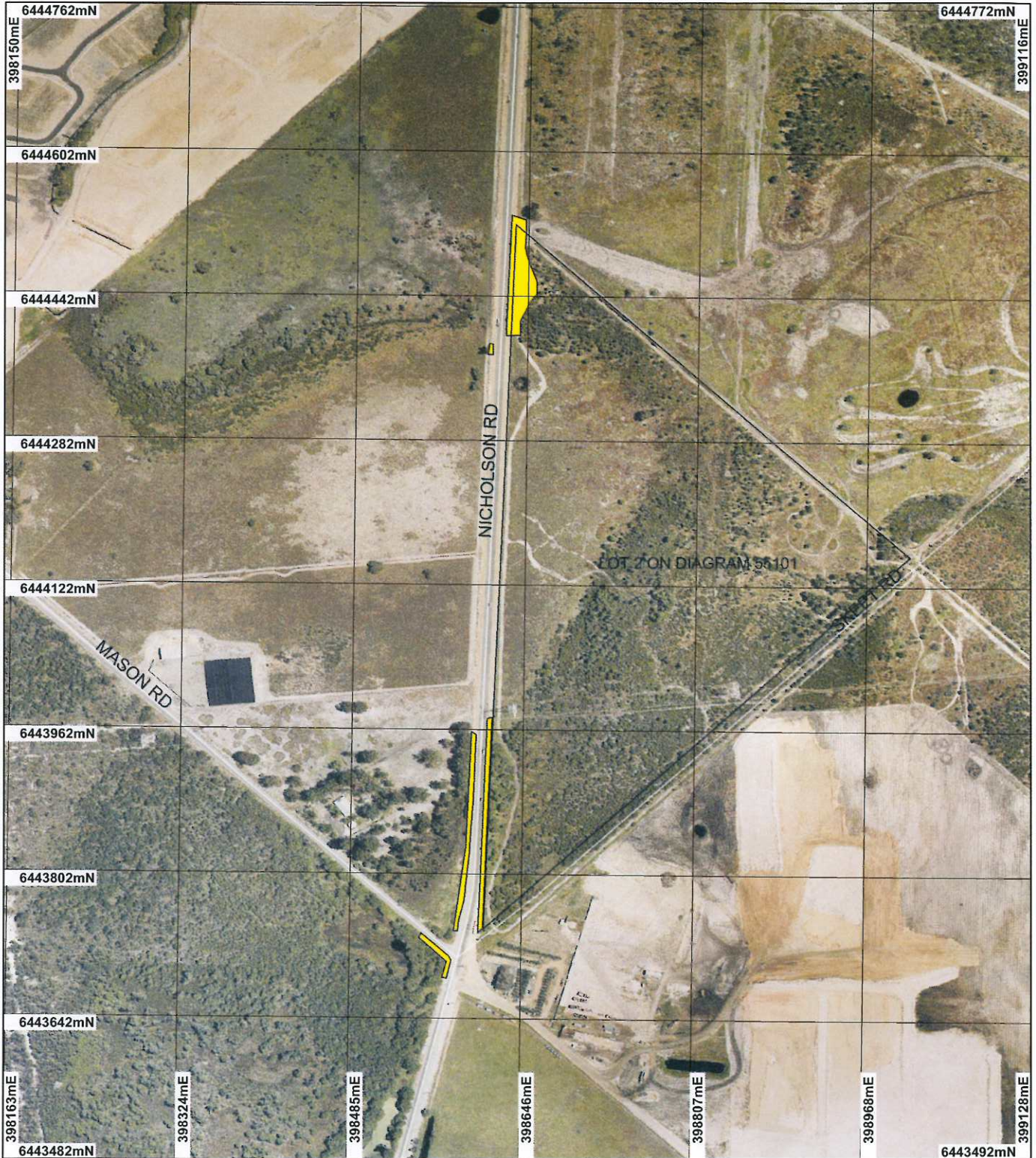
Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

*Officer delegated under Section 20  
of the Environmental Protection Act 1986*

20 January 2011



# Plan 4127/1



## LEGEND

Clearing Instruments

■ Areas Approved to Clear

Road Centrelines

□ Cadastre

Swan Coastal Plain Central  
20cm Orthomosaic - Landgate  
2009



0 150 m

Scale 1:5660

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

*[Signature]* Date 25/1/11  
K Faulkner

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



Department of Environment and Conservation

Our environment, our future  
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\* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.





## 1. Application details

### 1.1. Permit application details

Permit application No.: 4127/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: City of Armadale

### 1.3. Property details

Property: ROAD RESERVE ( HARRISDALE 6112)  
LOT 2 ON DIAGRAM 55101 ( HARRISDALE 6112)  
ROAD RESERVE ( PIARA WATERS 6112)

Local Government Area:

Colloquial name:

### 1.4. Application

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

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 20 January 2011

## 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
<p>The vegetation under application is mapped as being composed of the following vegetation types:</p> <ul style="list-style-type: none"> <li>- Beard 1001:Medium very sparse woodland; jarrah, with low woodland; banksia &amp; casuarina</li> <li>- Heddle and Harvel: SOUTHERN RIVER COMPLEX : Open woodland of Corymbia calophylla (Marri) - Eucalyptus marginata (Jarrah) - Banksia species with fringing woodland of Eucalyptus rudis (Flooded Gum) - Melaleuca raphiophylla (Swamp Paperbark) along creek beds.</li> </ul> <p>(Shepherd, 2009; Heddle et al. 1980)</p>	<p>The proposed clearing of 0.472 hectares of native vegetation is required for the purpose of road widening and service installation along Nicholson road a two separate locations situated approximately 400 metres apart. The majority of the vegetation to be cleared is within a road reserve and is considered to range in condition from completely degraded to degraded (Keighery, 1994) (DEC, 2011). The vegetation within the northern area to be cleared is contained within Lot 2 and Nicholson road reserve. This vegetation is degraded (Keighery, 1994), with several large access tracks being present throughout. The vegetation to cleared within the southern area is to be removed from both sides of the road reserve.</p> <p>The area under application consists mostly of Melaleuca sp., grass sp., and weed, with little to no understorey species present (DEC, 2011). There is evidence of previous clearing activities</p>	<p>Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)</p> <p>To</p> <p>Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)</p>	<p>The condition and description of the vegetation was determined via the use of aerial imagery, supporting information supplied by the applicant and a DEC conducted site inspection (DEC, 2011).</p>



and the vegetation along the eastern side of the road reserve is predominately regrowth. Weed species occur throughout the applied area, rubbish is evident within the southern areas and the northern area to be cleared is situated adjacent to recently cleared land (DEC, 2011).

The dominate species present in both the northern and southern sections under application are scattered Melaleuca trees (Supporting information, 2010).

### 3. Assessment of application against clearing principles

#### Comments

#### **Proposal is not likely to be at variance to this Principle**

The proposed clearing of 0.472 hectares of native vegetation is required for the purpose of road widening and service installation along Nicholson road at two separate locations situated approximately 400 metres apart.

The area under application consists mostly of Melaleuca sp., grass sp., and weed, with little to no understorey species present (DEC, 2011). The vegetation along the eastern side of the road reserve is predominately regrowth. Weed species occur throughout the applied area, rubbish is evident within the southern areas and the northern area to be cleared is situated adjacent to recently cleared land (DEC, 2011).

The majority of the vegetation to be cleared is within a road reserve and is considered to range from degraded (Keighery, 1994) to completely degraded (Keighery, 1994) condition. The vegetation within the northern area to be cleared is contained within Lot 2 and Nicholson road reserve. This vegetation is degraded, with several large access tracks being present throughout. The vegetation to be cleared within the southern area is to be removed from both sides of the road reserve.

The dominant species present in both the northern and southern sections under application consists mostly of scattered Melaleuca trees (Supporting information, 2010). The vegetation under application is not considered to be representative of the mapped vegetation types.

There are several rare flora species recorded within the local area (5km radius). Of these, *Diuris purdiei* is the most likely to occur within parts of the applied area. In addition to this there are 21 priority flora species recorded within the local area that are mapped as occurring within same soil and vegetation type as the applied area.

The northern section under application is within a multiple use wetland (Dampland) and there is an area subject to inundation 70 metres west of the northern section of the applied area. The majority of the southern area under application is mapped within a multiple use wetland area (Dampland) and 75 metres to the south there is an area which is subject to inundation. A small section of the southern area occurs within a conservation category wetland, however during a DEC conducted site inspection (DEC, 2011) the condition of the vegetation was considered degraded or completely degraded (Keighery, 1994) and the removal of vegetation within this area is not likely to have significant impacts.

Given the small size (0.472ha), degraded to completely degraded (Keighery, 1994) condition of the vegetation under application and the presence of multiple disturbances, the proposed clearing is not likely to result in impacts to rare or priority flora, threatened or priority ecological communities, fauna of conservation significance, land degradation, surface or groundwater quality or result in an increased flooding risk.

Due to the vegetation to be cleared occurring within a conservation category wetland with minimal values remaining, the proposed clearing may be at variance to principle (f). The remaining principles are not likely to be at variance.

#### Methodology

##### References:

- DEC (2011)
- Keighery (1994)
- Supporting Information (2010)

##### GIS Databases:

- Swan Coastal Plain - Central 20cm Orthomosaic - Landgate 2009
- SAC Biodatasets (accessed Nov 2010)
- Pre European Vegetation (DA 2001)
- Hydrography linear - DOW 13/7/06

- Hydrography linear (hierarchy) - DoW 13/7/06
- Clearing Regulations, Environmentally Sensitive Areas (2009)
- Soils, Statewide DA 11/99

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

### Comments

The majority of the clearing lies within the Nicholson Road Reserve. A small section of the applied area is located within Lot 2 on Diagram 55101, which is zoned for general farming.

The owner of Lot 2 has provided written authorisation for the City of Armadale to obtain a clearing permit over Lot 2. The City of Armadale have advised that clearing will not commence until Lot 2 has been acquired or an agreement is in place.

### Methodology

## 4. References

- DEC (2011) Site Inspection Report for Clearing Permit Application CPS 4127/1, Lot 2 on Diagram 55101 and Nicholson Road Reserve, Harrisdale. Site inspection undertaken 11/01/2011. Department of Environment and Conservation, Western Australia (DEC Ref: A362310).
- Hedde, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Shepherd, D.P. (2009) Adapted from: Shepherd, D.P., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.
- Supporting Information (2010) City of Armadale, Clearing Permit Application, Supplementary information, Nicholson Road (Stage 2) (Road "I" to Piara Drive) DEC Ref: A355679.

## 5. Glossary

Term	Meaning
BCS	Biodiversity Coordination Section of DEC
CALM	Department of Conservation and Land Management (now BCS)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment
DoIR	Department of Industry and Resources
DRF	Declared Rare Flora
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
TEC	Threatened Ecological Community
WRC	Water and Rivers Commission (now DEC)