



## CLEARING PERMIT

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

### PERMIT DETAILS

Purpose Permit Number: 4682/1

File Number: 2011/10096-1

Duration of Permit: From 2 January 2012 to 2 January 2017

### PERMIT HOLDER

Engineered Construction and Maintenance Pty Ltd

### LAND ON WHICH CLEARING IS TO BE DONE

Griffin Road reserve (PIN 1129944) (BURRUP 6714)

### PURPOSE FOR WHICH THE CLEARING MAY BE DONE

Clearing for the purpose of road construction

### CONDITIONS

#### 1. Area of Clearing

The Permit Holder shall not clear more than 0.16 hectares of native vegetation within the area cross hatched yellow on attached Plan 4682/1.

#### 2. Application

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

#### 3. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for activities to the extent that the Permit Holder has the power to clear native vegetation for those activities under the *Local Government Act 1995* or any other written law.

M. Warnock  
A/MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

8 December 2011

# Plan 4682/1



## LEGEND

- Road Centrelines
- Cadastre
- Clearing Instruments
- Areas Approved to Clear
- Local Government Authorities

Damper and Extensions 50cm  
Orthomosaic - Landgate  
2008



0 62 m

Scale 1:2500

(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.

*M. Warnock* Date 7/12/11

M. Warnock

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

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## 1. Application details

### 1.1. Permit application details

Permit application No.: 4682/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Engineered Construction and Maintenance Pty Ltd

### 1.3. Property details

Property: ROAD RESERVE (BURRUP 6714)  
Local Government Area: Shire of Roebourne  
Colloquial name: Griffin Road reserve

### 1.4. Application

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

### 1.5. Decision on application

Decision on Permit Application: GRANT  
Decision Date: 8 December 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
Beard Vegetation Association: 117 is described as - Hummock grasslands, grass steppe; soft spinifex (Shepherd, 2009)	The application is to clear up to 0.16 hectares of native vegetation within Griffin Road reserve, for the purpose of extending the existing road by approximately 80 metres to create a second access to Lot 314 on Plan 218195.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery, 1994)	Vegetation condition was determined through aerial imagery (Dampier and Extensions 50cm Orthomosaic - Landgate 2008).
	The vegetation under application is considered to be in a disturbed condition due to impacts from the existing road and industrial development on neighbouring properties.	To Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery, 1994)	

## 3. Assessment of application against clearing principles

### Comments

The application is to clear 0.16 hectares of native vegetation for the purpose of extending an existing road.

The proposed clearing is in an area that is approximately 80 per cent vegetated and the vegetation type mapped over the application retains approximately 82 per cent of the pre-European extent in the Pilbara IBRA bioregion (Shepherd, 2009).

There are no known records of flora or ecological communities of conservation significance within the application area and the vegetation proposed to be cleared is not considered to comprise significant habitat for native fauna.

A minor non-perennial watercourse is mapped as passing through Lot 314, approximately 15 metres east of the application area. Aerial imagery and advice from the proponent indicates that this drainage line traverses the application area. Considering this, the proposed clearing may comprise vegetation growing in association with a watercourse and may be at variance to Principle (f).

The drainage line discharges into the eastern edge of King Bay, at a location approximately 500 metres southwest of the application area, in a densely vegetated area. The proposed clearing may temporarily increase sedimentation of the drainage line, and potentially of King Bay, and may be at variance to Principle (i). The proponent has advised that the road will be bituminised and will include drainage in the form of concrete culverts and pipes. If appropriate drainage management is implemented, the proposed clearing is unlikely to

have appreciable long term effect on water quality.

Considering the small scale of the proposed clearing, it is unlikely to result in appreciable land degradation, or increase the incidence or intensity of flooding.

Given the above, the proposed clearing may be at variance to Principles (f) and (i), and is not likely to be at variance with the remaining clearing principles.

#### Methodology

##### References:

Shepherd, 2009

##### GIS Databases:

- Dampier and Extensions 50cm Orthomosaic - Landgate 2008
- Hydrography, Linear - DoW 02/04
- NLWRA, Current Extent of Native Vegetation - DEC 09/11
- Pre-European Vegetation - DAFWA 03/07
- SAC Biodatasets - DEC 10/11

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

#### Comments

The application was to clear up to 0.9 hectares of native vegetation, however the proponent reduced the amount of clearing applied for to 0.16 hectares during assessment, in order to more accurately reflect the amount of clearing required for the proposed construction of 80 metres of road.

The proposed clearing is for the purpose of extending the road to create a second access to an adjacent property, Lot 314 on Plan 218195. The proponent has advised it is currently in the process of becoming the landowner of this property.

The Shire of Roebourne (2011a) has provided approval to the proponent for the proposed clearing of native vegetation within Griffin Road reserve, Dampier. The Shire has advised that clearing cannot commence until approval of the final design is given by the Shire of Roebourne (Shire of Roebourne, 2011a). The Shire has no objection to the issue of a clearing permit (Shire of Roebourne, 2011b).

The application area is within the Burrup Peninsula area Aboriginal Site of Significance and is in close proximity to several other mapped significant sites. The proponent is advised that it is their responsibility to ensure that no Aboriginal Sites of Significance are damaged through the clearing process and to contact the Department of Indigenous Affairs for further information regarding obligations under the Aboriginal Heritage Act 1972.

The application area is within the Pilbara Surface Water Area proclaimed under the Rights in Water and Irrigation Act 1914. Aerial imagery and advice from the proponent indicates that a minor, non-perennial watercourse exists in the location of the proposed road. A permit to interfere with the bed and banks of a watercourse may be required and the proponent is advised to contact the Department of Water for further information.

#### Methodology

##### References:

Shire of Roebourne, 2011a

Shire of Roebourne, 2011b

##### GIS Databases:

- Aboriginal Sites of Significance - DIA 02/10
- Dampier and Extensions 50cm Orthomosaic - Landgate 2008
- Hydrography, Linear - DoW 02/04
- RIWI Act, Surface Water Areas - DoW 07/06

## 4. References

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.

Shire of Roebourne (2011a) Clearing of Native Vegetation from Road Reserve Griffin Road, Dampier. Approval to apply for clearing permit. DEC Ref: A445089

Shire of Roebourne (2011b) Direct Interest Response received 24/11/2011. DEC Ref: A452031

## 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)