



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4238 / 1
File Number: 2011/00188-1
Duration of Permit: From 18 April 2011 to 18 April 2013

PERMIT HOLDER

Chaffey Holdings (WA) Pty Ltd on behalf of Shire of Harvey

LAND ON WHICH CLEARING IS TO BE DONE

WATERLOO ROAD RESERVE (ROELANDS 6226)

AUTHORISED ACTIVITY

Clearing of up to 0.9 hectares of native vegetation within the area cross-hatched in yellow on attached Plan 4238/1.

CONDITIONS

Nil.

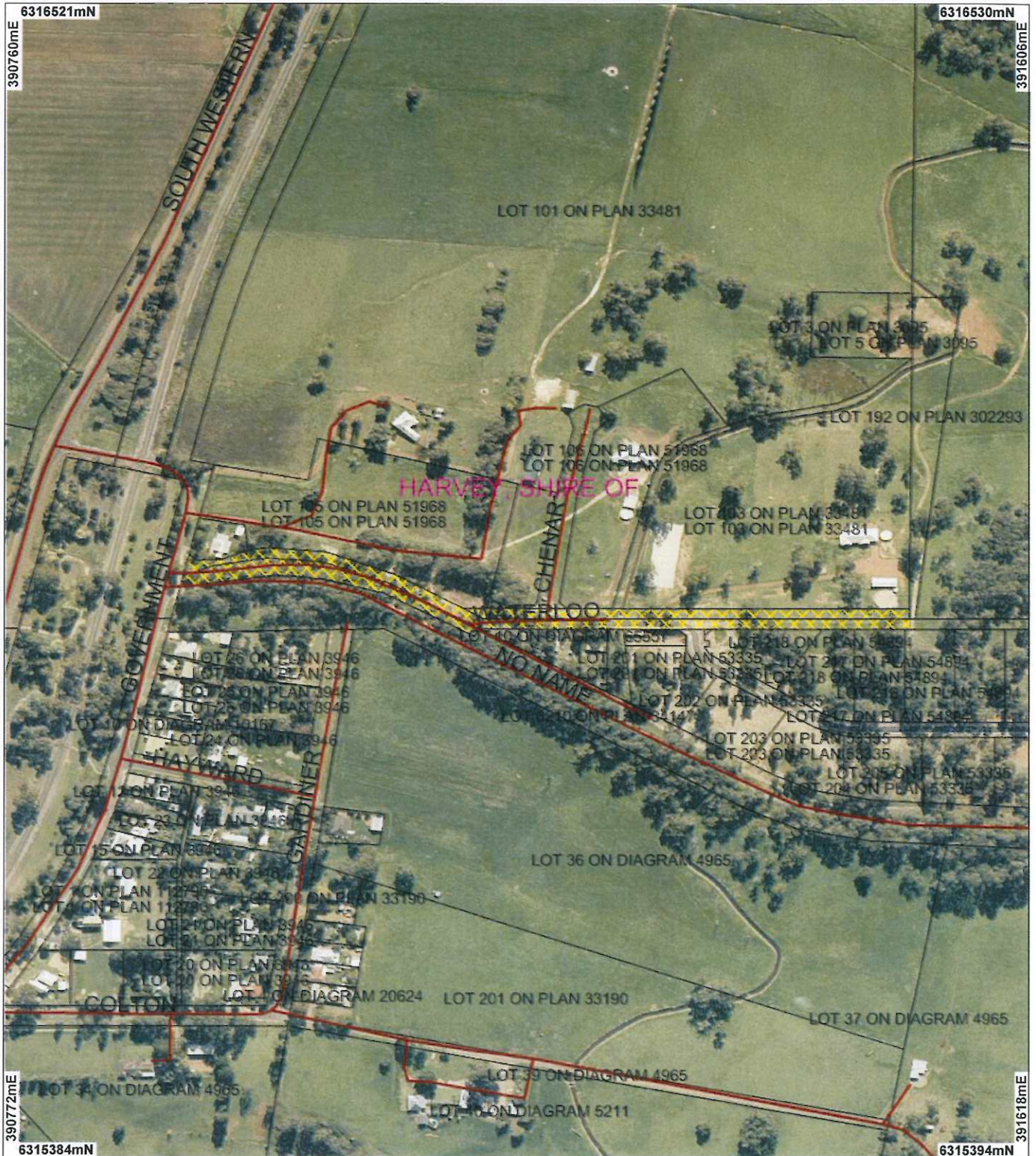
A handwritten signature in black ink, appearing to read "K Faulkner", written over a horizontal line.

Kelly Faulkner
MANGER
NATIVE VEGETATION CONSERVATION BRANCH

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

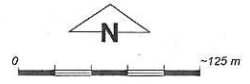
23 March 2011

Plan 4238/1



LEGEND

- | | |
|--|---|
| <p>Clearing Instruments</p> <ul style="list-style-type: none"> Areas Approved to Clear Cadastre Telecom | <ul style="list-style-type: none"> Road Centrefines <p>Bunbury 50cm Orthomosaic - Landgate 2008</p> |
|--|---|



Geocentric Datum Australia 1994

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

Date 29/3/11

Kelly 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.



* Project Data. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 4238/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Chaffey Holdings (WA) Pty Ltd

1.3. Property details

Property: ROAD RESERVE (ROELANDS 6226)
ROAD RESERVE (ROELANDS 6226)
ROAD RESERVE (ROELANDS 6226)
ROAD RESERVE (ROELANDS 6226)

Local Government Area:

Colloquial name: Waterloo Road reserve

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: GRANT
Decision Date: 23 March 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 Pinjarra 968 Medium woodland; jarrah, marri & wandoo	The area under application consists of trees lining Waterloo Road, Roelands. The understory is degraded to park land cleared.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation description taken from aerial photography and a series of 22 photographs provided by the Shire of Harvey.

3. Assessment of application against clearing principles

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

The proposal to clear up to 0.9 hectares of native vegetation for the purpose of upgrading Waterloo Road, Roelands is unlikely to be at variance to any of the principles.

The overall condition of the vegetation is considered to be degraded (Keighery 1994). The extent of the vegetation type within the bioregion is 7.23%. The vegetation type's extent in the Shire is 50% (Shepherd et al 2009). Although the former figure indicates that this area has been extensively cleared, the road side vegetation under application is not considered to be a significant remnant that represents this vegetation type.

Eighteen species of priority listed flora were found within 10km of the applied area. Although many of these species occur on similar soil/vegetation conditions as the applied area, the area under application mainly consists of an over story with a degraded understory (Shire of Harvey 2011). It is unlikely that any priority species exists in the area under application.

The proposal is considered not to comprise a high level of biodiversity, is not significant fauna habitat, is not significant as a remnant, does not impact on conservation areas, or cause or exacerbate land degradation, water quality or flooding.

Methodology Keighery (1994)
Shepherd (2009)
Shire of Harvey (2011)
SacBioDataSets (accessed 10/03/11)
GIS DataSets
- Bunbury 50cm Orthomosaic - Landgate 2008

- Groundwater Salinity, statewide - DoW 13/07/06
- Heddl Vegetation Complexes (DEP 1995)
- Hydrography, linear - DoW 13/7/06
- Pre European Vegetation (DA 2001)

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

Comments

Waterloo Road is to be upgraded to serve a new subdivision. The Western Australian Planning Commission (2007) has endorsed the development, providing that conditions be met, which includes the upgrade of this road and that crossovers are provided for existing irrigation channels.

Methodology Western Australian Planning Commission (2007)

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 Harvey (2011) letter of authority and site photographs of Waterloo Road Reserve, Roelands.

Western Australian Planning Commission (2007) Approval subject to condition(s) freehold (green title) subdivision, application number 135345

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)