



Renewal of Extractive Industry Development Application

Lot 5 Charlie Creek Road, Charlie Creek

August 2024

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Revisions

Revision	Description	Date	By
A	Issued to Client - DRAFT	6 th August 2018	BH
B	Issued to Client - FINAL	19 th September 2018	BH
C	Issued to Client – Revised with Shire comment	18 th October 2018	BH
D	Revised for DA Application	13 th August 2024	TO

1. Preamble

This application is for the renewal of Development Application P21079 to facilitate the removal of the gravel stockpile and rehabilitation of the gravel pit at Lot 5 Charley Creek Road, Charley Creek. DBCEC are seeking approval for a 3 year period to complete the gravel stockpile removal and rehabilitation.

There will be no further gravel extraction from this site.

This document, which forms part of Extractive Industry (EI) Licence (IND 01/35) and Development Approval (P21079, has been reviewed to reflect the works to be completed at the pit.

2. Pit Operations and Management

2.1. Existing Land

The existing land is described on Certificate of Title Volume 140 Folio 145A as Lot 5 on diagram 34928. Owner of this land is Peter William Hearman. The external dimensions of the land is shown below:



Figure 1 – External Dimensions

2.2. Nature of Excavation

There will be no further extraction of gravel material from this site.

The original survey information is included in the document for reference.

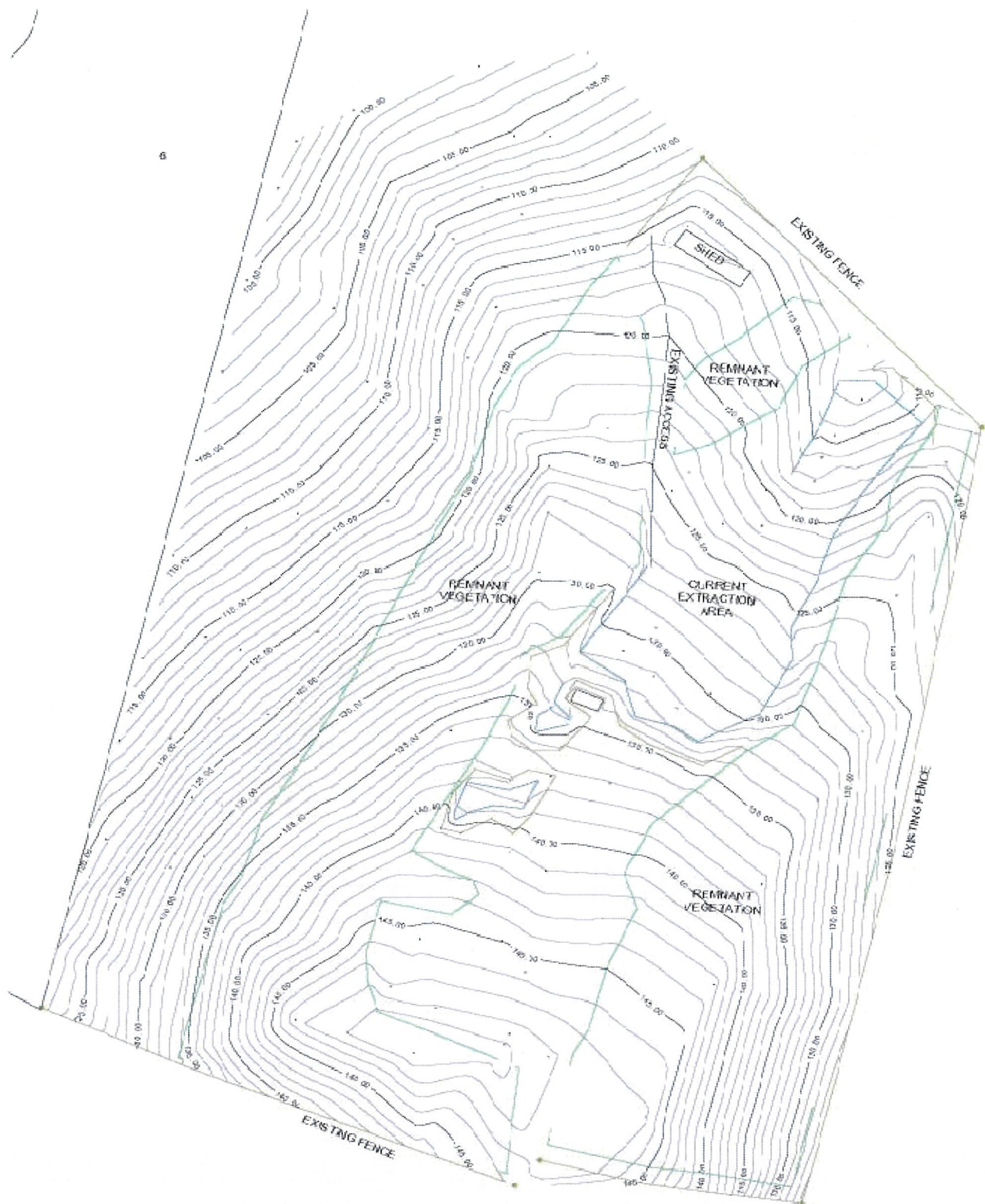


Figure 2 – Original survey with contours



Figure 3 – Original survey with aerial photo

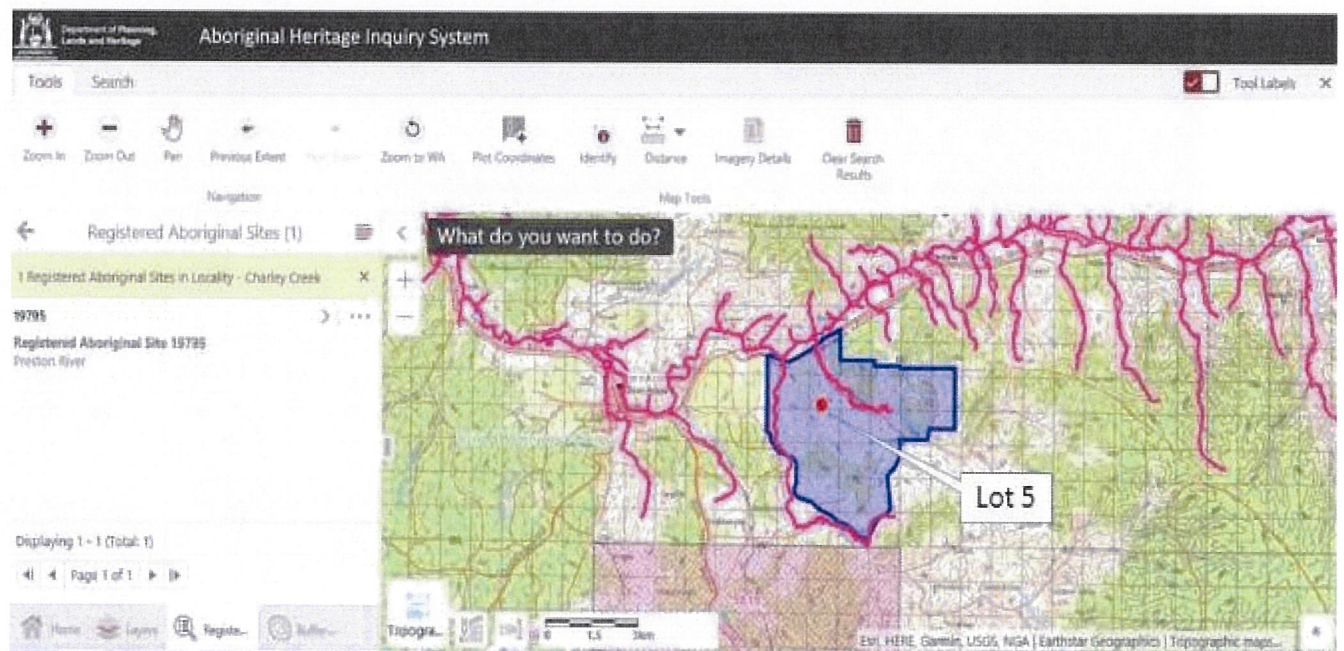
The existing area is located on the top of undulating terrain consistent with the surrounding area

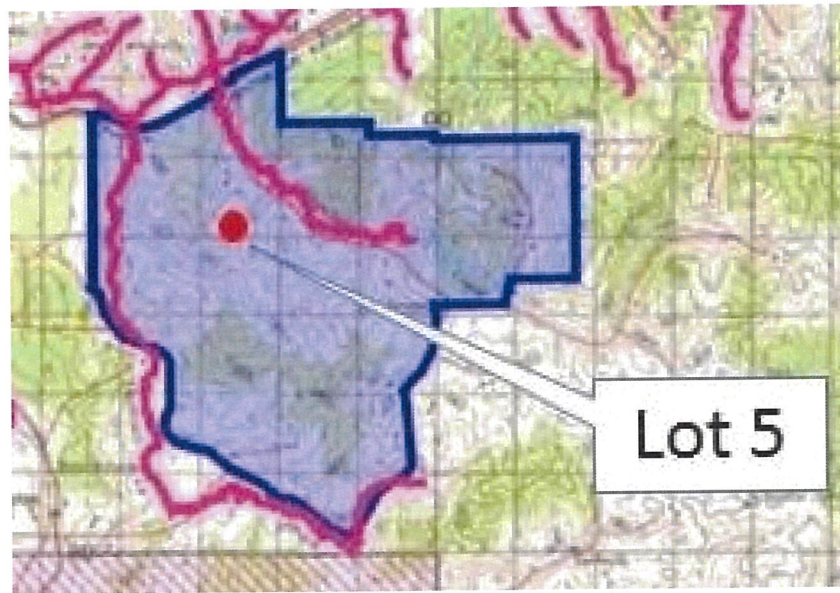


Figure 4 – Terrain of proposed gravel pit

1.3 Management of Heritage

There are no registered Aboriginal Heritage sites in this area.





The closest registered Aboriginal Heritage site to Lot 5 is Charley Creek, which is on the opposite side of Charley Creek Road and will not be affected by the works proposed in this application.

1.4 Access Road

There is an existing access road to the pit, which is regularly maintained and will be continually maintained during the removal of the stockpiled gravel.



1.5 Vehicle Movements

There is approximately 8,000t of gravel to be carted from the site which will be via heavy rigid trucks. It is anticipated this will take 2 years to remove, which equates to 1 to 2 truck movements on average per day.

1.6 Noise Management

The closest residence is approximately 800 metres and currently does not hear operations at the pit.

All operations will be during daylight hours, in spring/summer time of the year. Operations shall not occur on weekends or public holidays.

The operation will comply with the Shire of Donnybrook Balingup's Environmental Health Services, Noise Information sheet.

Below is a list of machinery on site, and their associated noise levels:

Description	Octave Band Centre Frequency (Hz)								Overall db(A)
	31.5	63	125	250	500	1k	2k	3k	
Dozer D10		115	114	111	112	1108	105	99	113
Grader	105	112	110	107	109	107	106	101	112
Loader	109	122	107	107	104	105	102	96	109
Water truck		103	105	102	102	103	101	96	107
Tip Truck		103	105	102	102	103	101	96	107

1.7 Dieback Management

The dieback status of the proposed area cannot be determined due to the lack of native vegetation or indicator species, nonetheless the following management items will be implemented during the life of the project. The principle aim is to eliminate spread of Phytophthora by mechanic means (unclean machinery).

- Existing fenced paddocks and lockable gates will be maintained to control unauthorised access.
- Unauthorised entry signs to be erected at the property entrance.
- As far as practical haulage vehicles shall be cleaned of all loose soil and plant material prior to entry and exit from the extraction area.
- No direct water runoff will be allowed into naturally vegetated areas
- Any dieback management actions will be amended as required in response to any future issues raised by:
 - Shire Donnybrook Balingup
 - DER/DPaW
 - Members of the public

1.8 Dust Management

During the summer months and periods of high seasonal winds which can at times reach gust up to 35 knots, however the amount of dust generated from these works will be minimal.

The following measures shall be taken to ensure dust is minimised:

- watering and covering truck loads
- watering the access road and pit area
- where necessary, any other agreed specific requirements from the Shire of Donnybrook Balingup.

Also, to assist with dust management a barrier of trees will be left on site. This barrier will be approximately 5 metres wide. As show below:



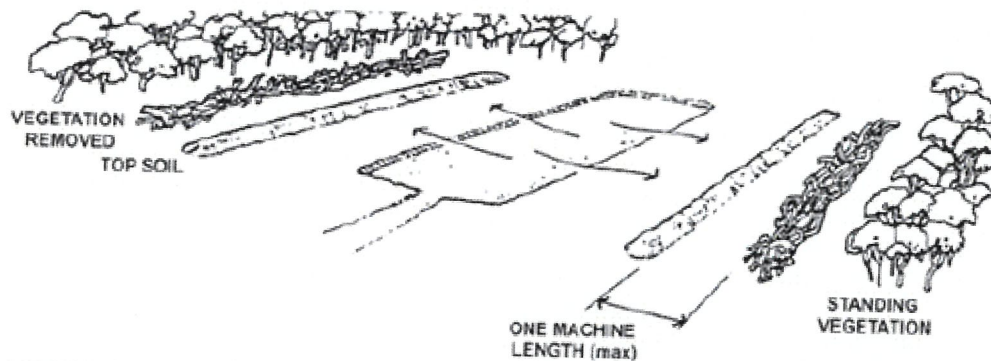
1.9 Fire Management

The following fire management conditions will be complied with:

- All machinery to be shut down during period of extreme fire hazard as advised by the Chief Fire Control Officer form the Shire of Donnybrook Balingup.
- All machinery to be fitted with fire extinguishers
- The provision of a portable firefighting unit to be made during pit operations.

1.10 Pit and Topsoil Management

The topsoil has been stripped and stockpiled as shown below:



Prior to any rehabilitation earthworks the pit operator will:

- Remove and control all litter;
- No oil changes or servicing of plant and machinery in the pit. Take steps to minimise and close up any oil or fuel spills by removing contaminated soil and disposing of this in an approved manner;
- Remove any potentially saleable log material from pit;

1.11 Pit Drainage

The gravel pit has been shaped so any surface water is directed to the dam.

1.12 Weed Management

The site is regularly inspected and maintained free from introduced weeds both agricultural and environmental. Spraying weeds using recommended herbicides at prescribed rates should be undertaken as required.

Equipment and trucks should be cleaned and inspected for potential sources of weeds, in conjunction with weed management prior to the commencement of clearing, carting or rehabilitation operations.

1.13 Decommissioning Programme

At the completion of the removal of the gravel stockpile, the pit area will be rehabilitated as per the current approved Extractive Industry (EI) Licence (IND 01/35) and Development Approval (P21079). The rehabilitation is described below:

- Pit walls will be battered to a slope no more than 1 in 4 by pushing material from the pit floor
- The pit floor will be shaped with a minimum of 1 in 100 fall to avoid water ponding with any drainage directed downslope to the proposed dam.
- The pit floor and batters will be ripped during summer at 1m spacings across the contour a depth of at least 800mm.
- The pit will be shaped to conform and blend into the adjacent landform as far as practical.
- Topsoil and any over burden will be evenly spread over the pit area leaving a rough surface

- Any exposed rock shall be crushed or removed.

It is proposed to construct a small dam for the purpose of irrigation.



3. Application

