

# **The Proposed Construction of a Piggery on Portion 5 of the Farm Verlies 120 JO situated near Lichtenburg in the Ditsobotla Local Municipality, Ngaka Modiri Molema District Municipality, North West Province**

FP Coetzee  
Heritage Practitioner

7 September 2021

## **Letter of Recommendation for Exemption (LoRE)**

### **1. Introduction**

Mafoko Brothers is proposing the construction of a piggery with capacity for 6 000 pigs (including weaners & sows) in total on Portion 5 of the farm Verlies 120 JO situated in Lichtenburg District within the Ditsobotla Local Municipality and Ngaka Modiri Molema District Municipality, North West Province. The need for a Basic Assessment is triggered by Listing 1; (ACTIVITY NO. 4) The development and related operation of facilities or infrastructure for the concentration of animals in densities that exceed (ii) 8 square meters per small stock unit and; b) more than 250 pigs per facility excluding piglets that are not yet weaned. (ACTIVITY NO. 27). As stipulated, the clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation. Bucandi Environmental Solutions (Bucandi) was requested by Mafoko Brothers to conduct a Basic Assessment as part of the application for environmental authorisation.

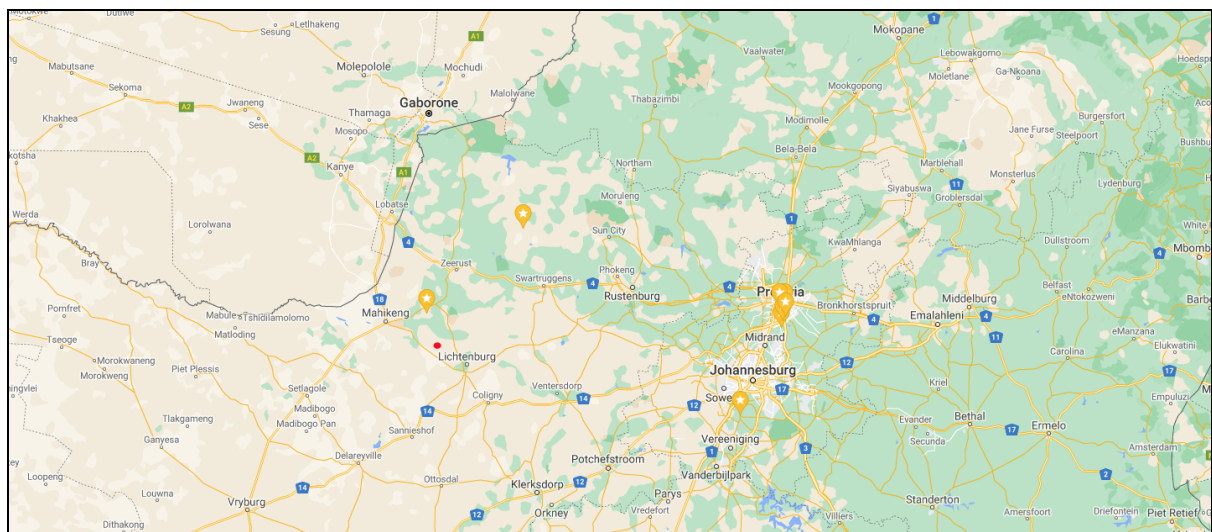
### **2. Project description and location**

The project will entail the following:

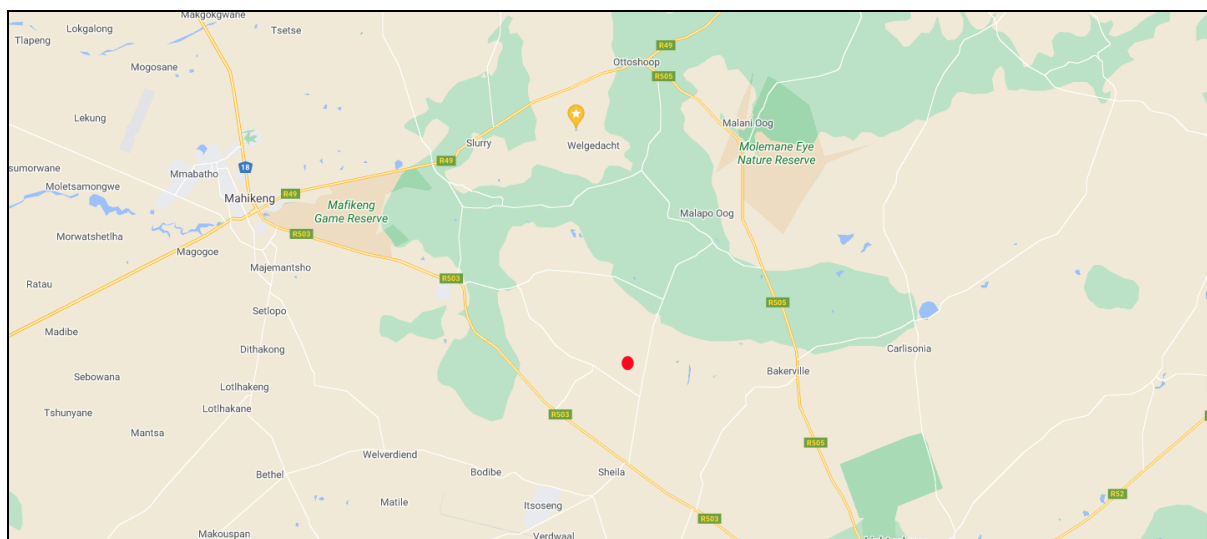
- Two mating and gilts pig units (14.925m x 11.5m) will be constructed with capacity for 500 pigs per house.
- Two gestation pig units (54.3m x 11.5m) will be constructed with capacity for 500 pigs per house
- Two farrowing pig units (23.925m x 11.5m) will be constructed with capacity for 500 pigs per house
- Two weaner pig units (13m x 11.5m) will be constructed with capacity for 500 pigs per house
- Four finisher pig units (42m x 11.5m) will be constructed with a capacity for 500 pigs per house.
- A water tank and a silo for food will be constructed next to each house with underground pipelines connecting the water tanks with the existing water supply.
- The area will be fenced with a 2.4m electric fence and a gate with biosecurity measures will provide access to the site.

The study area is located 29 km north-west of Lichtenburg within the Ditsobotla Local Municipality and Ngaka Modiri Molema District Municipality, North West Province. The road to Rooigrond (west) runs directly next to the site with a dirt road providing access to the site.

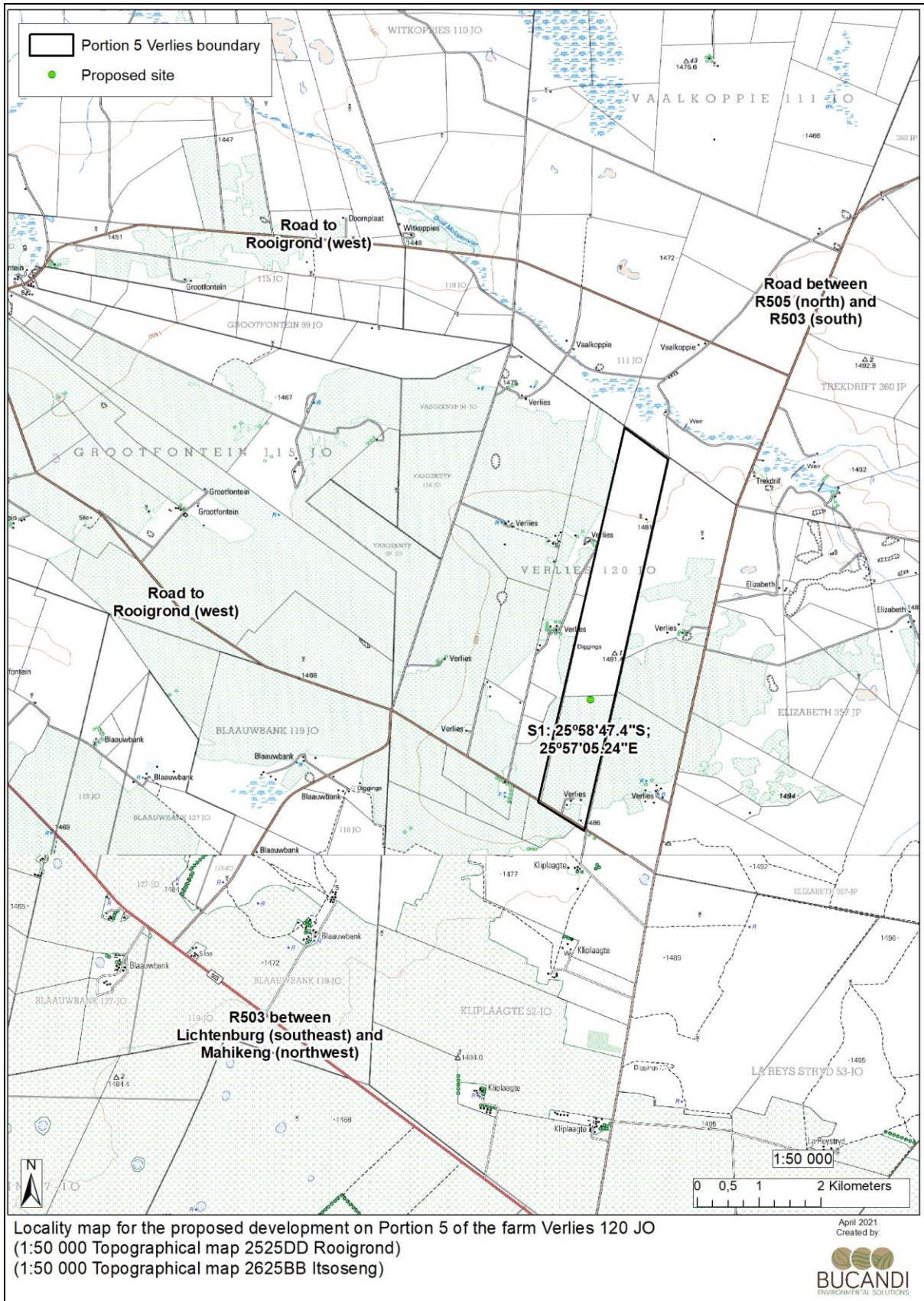
Farm Name(s) and Portions	The following portions and farms: Verlies 120 JO <ul style="list-style-type: none"> <li>• Portion 5</li> </ul>
Size of Survey Area	3,7 hectares
Magisterial District	Ditsobotla Local Municipality Ngaka Modiri Molema District Municipality
1:50 000 Map Sheet	2525DD
1:250 000 Map Sheet	2524
Central Coordinates of the Development	25°57'33.07"S 25°57'23.35"E



**Figure 1: Regional context of the survey site, located north-west of Lichtenburg**



**Figure 2: Local context of the survey site**



**Figure 3: Location of the survey site**

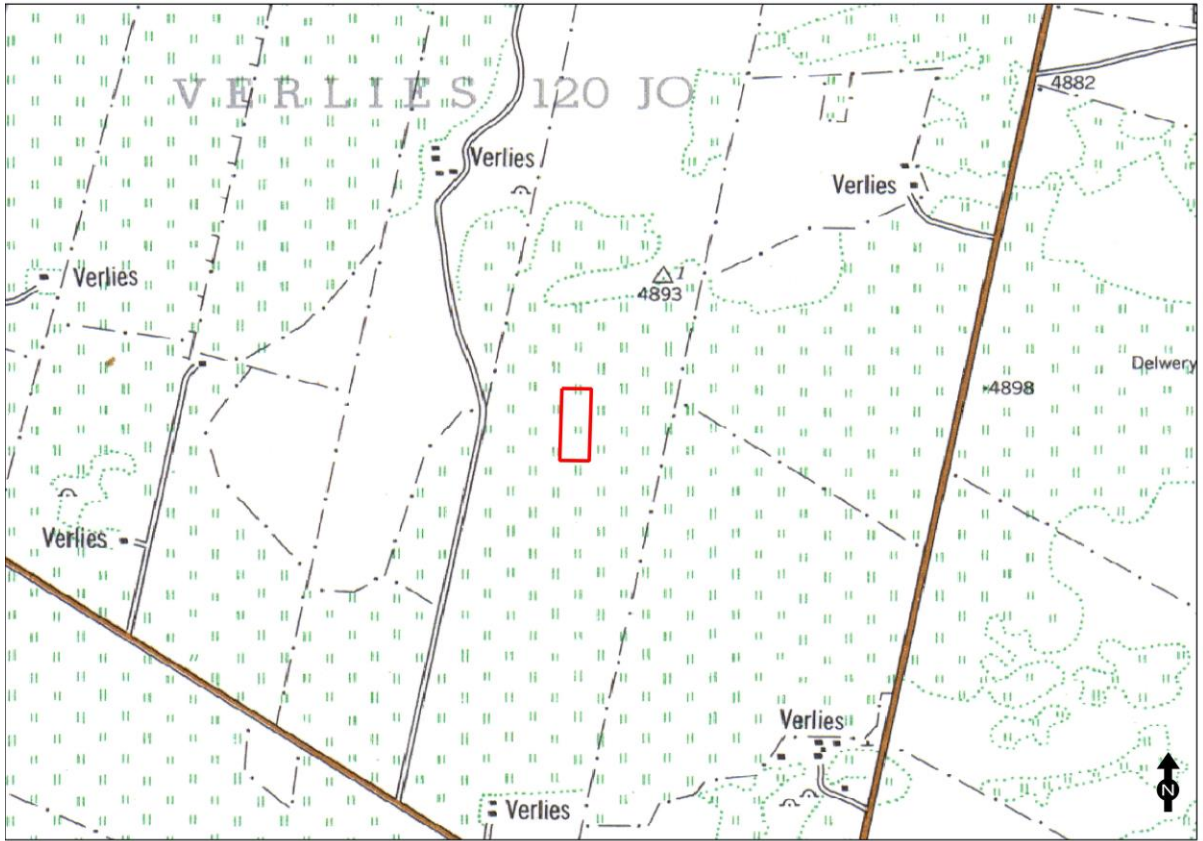


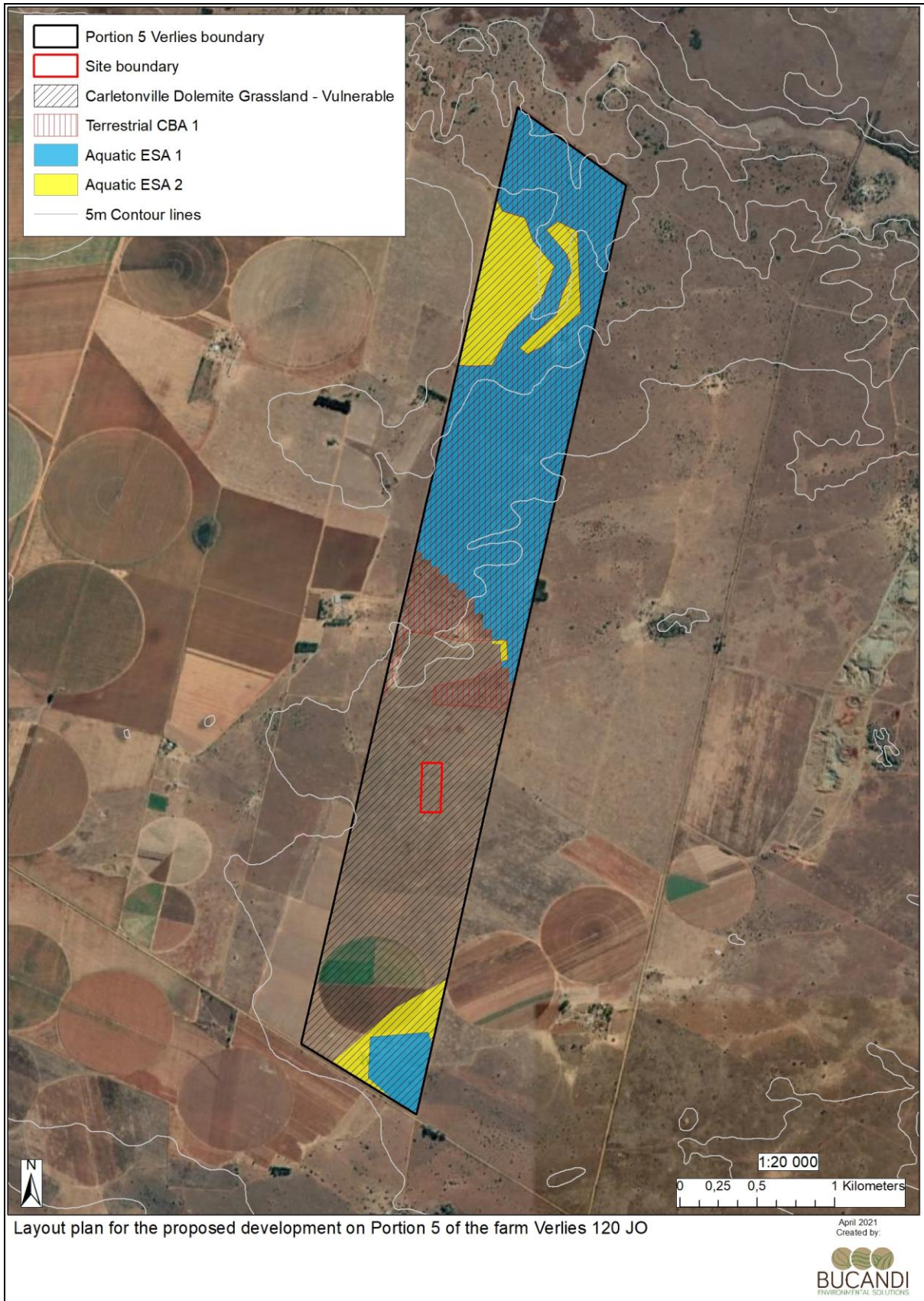
Figure 4: Location of the survey footprint as indicated on the 1:50 000 map 2525DD (1986)



Figure 5: The general layout of the survey footprint on Google Earth Pro (2021)



**Figure 6: The general layout of the survey footprint (cleared) on Google Earth Pro (2006)**



**Figure 7: Layout of the proposed development**



**Figure 8: General view of the survey site**



**Figure 9: General view of the survey site**



**Figure 10: General view of the survey site**

#### **4. Site assessment and observations**

The 3.7 hectare site has been utilised as part of agricultural field since at least 1986. The site has therefore been extensively disturbed and used for growing crops during the last 35 years. The site is currently covered in grass and medium bushes. According to the SAHRIS database there are no known heritage remains or structures near the site. Most of the surroundings areas have been either cleared or ploughed during the recent past and no indications of heritage remains in the area are currently known. No historical structures or events are associated with the specific site.

#### **4. Recommendation**

It is therefore recommended that the proposed construction of Piggery on Portion 5 of the Farm Verlies 120 JO be allowed to continue.

Also, please note:

Archaeological deposits usually occur below ground level. Should archaeological artefacts or skeletal material be revealed in the area during development activities, such activities should be halted, and a university or museum notified in order for an investigation and evaluation of the find(s) to take place (NHRA (Act No. 25 of 1999), Section 36 (6)).



**FP Coetzee**

99 Van Deventer Road

Pierre van Ryneveld

0157

Tel: 012 429 6297

Cell No: 0827077338

coetzfp@gamil.com

ASAPA CRM Reg No: 28

**Environmental Assessment Practitioner**

Bucandi Environmental Solutions

23 Burger Street

Viljoenskroon

9520