



Final Comment

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Piet de Bie

PO Box 43284
Heuwelsig
Bloemfontein
9332

Establishment of a township with ±1000 erven in Ezenzeleni, Warden

Thank you for notifying SAHRA of the proposed development of the Ezenzeleni Township in Warden. Located on 2860 Erven, Warden, Phumelele Local Municipality, Free State Province.

Under sections 34, 35 and 36 of the National Heritage Resources Act (25 of 1999) heritage resources are protected from damage from mining and development activities. These resources are for instance burial grounds, unmarked and marked graves that are older than 60 years, built structures that are older than 60 years old, archaeology (stone tools, stone walled sites, prehistoric and historic pottery sherds, ash grounds etc.) and palaeontology (fossils of plant and animal material).

Dr Rossouw, L. October 2013. *Phase 1 Palaeontological and Archaeological Impact Assessment of the proposed township extension at Warden, Phumelele Local Municipality, Free State Province.*

- a small informal cemetery is located within the project area, consisting of 9 unmarked graves, in which 7 are stone packed and 2 are cement covered, and SAHRA agrees with the recommendations in the heritage report that:

- The cemetery must be fenced, and that during construction that put in place a 20m buffer zone around the graveyard.

- The development is located in a Very High Palaeontologically Sensitive Zone, the heritage report mentions that the Normandian Formation underlies the Bultfontein area, with outcrops in certain areas. This formation bears trace "*Dicynodon lacerticeps*, *Theriongnathus platyceps* and *Prorubidgea maccabei* fossils" of the Quaternary age and considered significant.

The field assessment did not locate any archaeological heritage resources on the development site, including stone tool sites and other heritage resources like pre-historic structures and rock art.

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Based on the information that was submitted in this case the likelihood of any significant heritage resources being negatively impacted on is low. However the development location is on a Very High Palaeontologically



Our Ref:

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CaseID: 5976

Date: Wednesday October 22, 2014

Page No: 2



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sensitive zone, and a site visit by a professional palaeontologist should be conducted when in the early stages of construction as recommended in the Heritage report referenced above.

SAHRA Archaeology, Palaeontology and Meteorites Unit has no objections to this proposed development, based on the submitted information. On condition that the following are adhered to:

- A fence is erected around the informal cemetery, and also a 20m buffer zone must be complied with during the construction of the township.

- A site visit by a professional palaeontologist to inspect any possible fossil finds of the development area, when construction begins in its early stages.

- A fossil finds procedure must be included in the EMP, stipulating:

- The environmental practitioner is present to monitor if any fossils are present in the bedrock when any deep trenching that will expose bedrock happens during construction.

- That the construction manager acquaints himself/herself along with the construction crew with how fossils look like.

- Also that when any fossils are uncovered during the construction phase, development must stop within the 50m radius and a palaeontologist will have to be called in to inspect the finds.

- However, should any evidence of any significant archaeological sites or remains (e.g., remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments and charcoal/ash concentrations), unmarked human burials, fossils or other categories of heritage resources are found during the proposed activities, SAHRA APM Unit (Nokukhanya Khumalo/Colette Scheermeyer 021 462 4502) must be alerted immediately, and a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contacted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance a Phase 2 rescue operation might be necessary.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Nokukhanya Khumalo
Heritage Officer
South African Heritage Resources Agency



The South African Heritage Resources Agency

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Colette Scheermeyer
SAHRA Head Archaeologist
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/168449>
(DHS, Ref:)

Terms & Conditions:

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.



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