



an agency of the
Department of Arts and Culture

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CaseID: 15994

Date: Monday March 01, 2021
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Final Comment

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

Attention: Bokamoso Landscape Architects and Environmental Consultants CC

Central Plaza Investments 28 (Pty) Ltd on behalf of the Gauteng Department of Roads and Transport (GDRT) proposed the construction of the K147 road 6km in length in the east of Tshwane.

Pelser, A. October 2020. A Phase 1 Heritage Impact Assessment & Report For The Proposed K147 Road Construction Project On Portions Of The Farms Rietfontein 375JR & Rietvallei 377JR Tshwane Metropolitan Area, Gauteng

Butler, E. November 2020. Palaeontological Field Assessment For The Proposed K147 Provincial Road Construction, Gauteng Province

The proposed development entails road construction over a distance of approximately 5.5km.

In terms of archaeology, the assessment of the specific study area did not identify any sites, features or material of cultural heritage (archaeological and/or historical) origin or significance in the direct area of impact.

The palaeontological assessment notes that the development footprint is in the Transvaal Basin and is underlain by the Timeball Hill and Hekpoort Formations (Pretoria Group, Transvaal Supergroup). The most western margin of the development falls in the Malmani Subgroup (Chuniespoort Group; Transvaal Supergroup). The igneous rock, diabase, is also present in the proposed development. The diabase would have had a thermal metamorphic effect on the adjoining Timeball Hill Formation and would decrease the chance of fossil preservation in these areas. According to the PalaeoMap of South African Heritage Resources Information System the Palaeontological Sensitivity of the Malmani Subgroup is Very High, the Timeball Hill Formation is High and that of the Hekpoort Formation is Moderate while that of the Boshhoek Formation is Low. Diabase is igneous rocks and is considered to have no palaeontological significance. Three Alternatives are being considered for this project. These alternatives have the same Geology and there is therefore Palaeontologically no reference between the three alternatives. A site-specific field survey of the development footprint revealed no fossiliferous outcrops. The scarcity of fossil heritage at the proposed development footprint indicates that the impact of the development footprint will be of a low significance in palaeontological terms. The author recommends that the proposed development is deemed appropriate and feasible and will



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not lead to detrimental impacts on the palaeontological heritage of the area, provided a Chance Find Procedure is applied.

Final Comment

SAHRA Archaeology, Palaeontology and Meteorites Unit has no objections to this proposed development, provided that the recommendations in the specialist reports and this comment are adhered to, and in addition, on the following conditions:

- If any evidence of archaeological sites or remains (e.g., remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments and charcoal/ash concentrations) or palaeontological remains are found during the proposed activities, SAHRA must be alerted immediately, and a professional archaeologist or palaeontologist, based 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 significance a Phase 2 rescue operation might be necessary.
- Chance Find Procedures relating to possible palaeontological finds must be developed and implemented by the Environmental Control Officer if any chance finds are encountered.

If any unmarked human burials are uncovered and the archaeologist called in to inspect the finds and/or the police find them to be heritage graves, mitigation may be necessary and the SAHRA Burial Grounds and Graves (BGG) Unit must be contacted for processes to follow.

Should the project be granted Environmental Authorisation, SAHRA must be notified and all relevant documents submitted to the case on SAHRIS.

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

Yours faithfully

Andrew Salomon
Heritage Officer: Archaeology

Our Ref: 15994



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South African Heritage Resources Agency

Phillip Hine
Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <https://sahris.sahra.org.za/node/553404>
(GDARD, 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.