

THE PROPOSED MINING OF QUARRY 5 ASSOCIATED WITH THE UPGRADE OF NATIONAL ROAD R573 (MOLOTO ROAD), GAUTENG PROVINCE

Our Ref: 17073



an agency of the
Department of Arts and Culture

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Date: Tuesday November 09, 2021
Page No: 1

CaseID: 17073

Final Comment

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

Attention: South African National Roads Agency - Northern Region

Private Bag x 17
Lynnwood Ridge
0040

It is the intention of the South African National Roads Agency SOC Ltd to establish Quarry 5 to provide the necessary construction materials for the proposed upgrading of national road R573-1 (K139) from Baviaanspoort Road in Tshwane (km 0,00) to the Gauteng / Mpumalanga Provincial Border (\pm 48.00 km). The proposed Quarry 5 is located approximately 30km to the northeast of the N1/ N4 highway intersection along the R573 (Moloto Road) roadway and 14.5km to the southwest of the Moloto township near the Gauteng/ Mpumalanga provincial border. The R573 roadway borders the project area in the north. The site centre geographic coordinates are 25°31'39.95" S, 28°30'58.01" E. The project area is located on Portion 46 of the Farm Boekenhoutskloofdrift 286 JR. The site earmarked for the proposed mining activities is situated on privately owned land which is currently used for small scale sheep farming. The proposed study area where Quarry 5 is located, is considered as a potential source of rock material. According to the material investigation report, three types of material can be sourced from Quarry 5. Approximately 810 000m³ of unprocessed bedrock material suitable for the production of crushed G5 material, approximately 405 000m³ of material can be crushed as possible G6 material, as well as 47 000m³ of potential G7 material is available from Quarry 5. The limited overburden material will be stockpiled for rehabilitation purposes is estimated at a volume of 7 000m³. The rock material will only be stored temporarily in stockpiles on site before being crushed and taken off site. The commodity to be mined is aggregates.

Van Schalkwyk, J. May 2020. Phase 1 Cultural Heritage Impact Assessment: The Proposed Establishment Of Quarry 5 For Sourcing Material To Be Used For The Upgrade Of Section 1 Of National Road R573 (Moloto Road), Gauteng Province

The proposed development entails the upgrading of National Road R573 (K139) Section 1 from Baviaanspoort Road in Tshwane (km 0,00) to the Gauteng/Mpumalanga Provincial Border (+ 46.00 km). In order to achieve

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Page No: 2

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this, a number of quarries and borrow pits have been identified from where the required raw material will be sourced from.

During the archaeological physical survey, no sites, features or objects of cultural significance were identified.

Fourie, H. July 2020. Environmental Impact Assessment Process for the Proposed Mining of Quarry 5 Associated with the Upgrade of National Road R573 (Moloto Road), Gauteng Province City of Tshwane Metropolitan Municipality, Gauteng Province Farm: Portion 46 Boekenhoutskloofdrift 286-JR Fourie, H. Palaeontological Impact Assessment: Desktop Study

The author notes that the two Alternatives presented is situated on the Wilgerivier Formation, Waterberg Group. Alternative 1 is preferred. The author states that potential impact of the development on fossil heritage is LOW for the Wilgerivier Formtion and therefore a field survey is not necessary for this development.

The author recommends that: if any palaeontological material is exposed during digging, excavating, drilling or blasting, SAHRA must be notified. All development activities must be stopped, a 30m no-go barrier constructed and a palaeontologist should be called in to determine proper mitigation measures, especially for shallow caves. The author notes that a Fossil Chance Find Protocol is already included in the Environmental Management Programme. If fossils are found once drilling or excavations, a palaeontologist must be called to assess.

Final Comment

In terms of archaeological and palaeontological heritage, the 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: A palaeontological Chance Find Protocol must be implemented by the Environmental Control Officer or site manager in charge of these developments.

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.

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Page No: 3

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
South African Heritage Resources Agency

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

ADMIN:

Direct URL to case: <https://sahrissahra.org.za/node/581875>
(, Ref:)

Terms & Conditions:

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Page No: 4

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.