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CaseID: 14630

Date: Thursday January 09, 2020  
Page No: 1

## Final Comment

In terms of Section 38(4), 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: LMC Food Group

Plot 133-136, Boons, Molote City, North West Province

LMC Food Group proposes a project of Hydroponics tunnel Farming in Molote City, North West Province. The proposed hydroponics project will consist of two phases. The project will start off with 20 multispan hydroponic tunnels covering 0.7 ha on a 20 ha property, while the second phase will comprise of another multispan tunnel system measuring at 0.7 ha on a 20ha property, in the future. The proposed project is located on a 20ha portion of Plot 133 where one(1) borehole will be used to pump and provide approximately 35 000 litres per day in ensuring the water requirements in the Hydroponics system. The water will be used for watering the hydroponic plants and for domestic needs. The 20 tunnels will have 2000 seedling trays (3m wide) and will produce cucumber seedlings for sale to other farmers. LMC Food Group proposes a project of Hydroponics tunnel Farming in Molote City, North West Province. The proposed hydroponics project will consist of two phases. The project will start off with 20 multispan hydroponic tunnels covering 0.7 ha on a 20 ha property, while the second phase will comprise of another multispan tunnel system measuring at 0.7 ha on a 20ha property, in the future. The proposed project is located on a 20ha portion of Plot 133 where one(1) borehole will be used to pump and provide approximately 35 000 litres per day in ensuring the water requirements in the Hydroponics system. The water will be used for watering the hydroponic plants and for domestic needs. The 20 tunnels will have 2000 seedling trays (3m wide) and will produce beetroot, cabbage and spinach seedlings for sale to other farmers. The following is the planned development proposed by LMC Food Group: Phase 1 • Construction of 20 multispan tunnels measuring at 0.7 ha, (each tunnel measuring at 10.6 x30 m2); • Construction of administration offices and Parking Bay (6m x 12m); • Construction of security guard room, toilet & power box (2m x 3m); • Construction of guard sleeping quarters and kitchen (15m x 6m); • Construction of workshop for repairs (40m x 20m); • Tractor Parking Shed (10m x 20m) ; • Construction of Laundry and Shower (12m x 6m); • Tank Floor ( 3m x 6m); and • Construction of Laundry Room ( 12m x 4m); Phase 2 The project will be expanded in the future by constructing another multispan tunnel system measuring at 0.7 hectares on a 20ha property. Please refer to phase one for the specifics.

Enviroworks (Pty) Ltd has been appointed by LMC Food Group to conduct an Environmental Authorisation (EA) Application for the proposed Hydroponic Tunnel Farming on Plot 133 in Molote City, North West

# The proposed development of hydroponics farming in Molote City, North West Province

Our Ref:



an agency of the  
Department of Arts and Culture

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Page No: 2

Province.

A draft Basic Assessment Report (BAR) has been submitted in terms of the National Environmental Management Act, no 107 of 1998 (NEMA) and the NEMA Environmental Impact Assessment (EIA) Regulations. The proposed project will cover 1.4 ha (two 0.7 ha sites) and include the tunnels, with additional areas of development that will include offices and a parking bay, security facilities, workshop, tractor parking shed, laundry room and tank floor.

Palaeo Field Services has been appointed to provide heritage specialist input as part of the BAR process as required by section 24(4)b(iii) of NEMA and section 38(3) and 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA).

*Rossouw, L. 2019. Phase 1 Heritage Impact Assessment of proposed development of a Hydroponics Tunnel Farming, Molote Cite, North West Province*

The proposed project area is underlain by sediments of the Early Timeball Hill Formation, which are known to contain stromatolites. The visibility of this formation was limited due to presence of a well-developed Quaternary superficial overburden of low palaeontological sensitivity. No fossil material was identified, and no other heritage resources were identified. The development is recommended to proceed, given that the excavation activities are restrict to within the boundaries of the development footprint.

## Final Comment

The following comments are made as a requirement in terms of section 3(4) of the NEMA Regulations and section 38(8) of the NHRA in the format provided in section 38(4) of the NHRA and must be included in the Final EIA and EMPr:

- 38(4)a – The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit no objections to the proposed development;
- 38(4)b – The recommendations of the specialists are supported and must be adhered to. No further additional specific conditions are provided for the development;
- 38(4)c(i) – If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/Phillip Hine 021 462 5402) must be alerted as per

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Page No: 3

section 35(3) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;

- 38(4)c(ii) – If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;
- 38(4)d – See section 51(1) of the NHRA;
- 38(4)e – The following conditions apply with regards to the appointment of specialists:
  - i) If heritage resources are uncovered during the course of the development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the heritage resource. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA;
  - The Final BAR and EMPr must be submitted to SAHRA for record purposes;
  - The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application.

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

Yours faithfully

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Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

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Page No: 4

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

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## ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/531681>  
(DEDECT, 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.