



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Nokukhanya Khumalo

Tel: 021 462 4502

Email: nkhumalo@sahra.org.za

CaseID: 13020

Date: Thursday November 15, 2018

Page No: 1

Final Comment

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

Attention: Mogalakwena Local Municipality

The villages of Diphitshi, Diretsaneng, Buffelshoek and Kgopeng in the Waterberg District Municipality in Limpopo Province are currently supplied by a cluster of independent systems which draws their water from boreholes using pumps that are mechanically powered by electric or diesel combustion engines. These independent system which are sometimes not reliable due to inadequate water infrastructure and low pressure in the system with increasing clean water demand. Only the village of Diretsaneng draws water from the Sand Abstraction well from the Mogalakwena River, which is one of the main water courses in the Limpopo province and a tributary of the Limpopo River. The existing infrastructure storage and abstraction is not adequate to cater for all the communities and it has been recommended that it should be upgraded. Mogalakwena Local Municipality Mini scheme project aims to provide safe drinking water to the communities within the municipality. Diphitshi, Kgopeng, Diretsaneng and Buffelshoek, these villages are approximately 72 km northwest of Mokopane Town and are in Ward 2 of the Municipality. The four villages (Diphitshi, Kgopeng, Diretsaneng and Buffelshoek) water scheme are collectively called the Diphitshi Mini Scheme Cluster. The Mogalakwena Local Municipality proposes to upgrade these infrastructure and enable adequate water supply and storage to the communities. The proposed upgrade will include: Ø Construction of a new electrical powered pump station (approximately 60m²) next to the existing diesel pump station. Ø Replacing of the old steel tank with a new 450kl (450m³) command ground steel tank at the Booster Pump station Ø Construction of a new pump house and new pumps at the Booster pump station to pump water to the new 450kl command Ø Construction of a package water treatment plant to clean the water from the sand pit with capacity of 350kl/day at the Booster pump station area. Ø Construction of new pumping mains with 160mm diameter which will pump water to the new 450kl command tank at the Diphitshi village Ø Construction of a new a 200kl (200m³) new reservoir that will store water to be pumped to the new 450KL Command tank

Mogalakwena Local Municipality propose to upgrade the supply clean water to the villages of Diphitshi, Diretsaneng, Buffelshoek and Kgopeng along the farms Raadslid 718LR, Rhenoster Trap 719LR, Buffel Hoek 722LR, Eerste Geluk 741LR in the Limpopo Province. This will consist of the construction of:

An electrical powered pump station (60m²) adjacent to existing diesel pump station,

Replacing an old steel tank with a new 450 kl ground steel tank(450m³) at the Booster Pump station,



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Nokukhanya Khumalo

Tel: 021 462 4502

Email: nkhumalo@sahra.org.za

CaseID: 13020

Date: Thursday November 15, 2018

Page No: 2

A new pump house and pumps at Booster pump station,
A new water treatment plant at Booster pump station area,
New 160mm diameter main water pipeline to the Diphitshi village,
New 200kl reservoir

Lidwala Consulting Engineers (Pty) Ltd have been appointed by the Mogalakwena Local Municipality to undertake the Environmental Impact Assessment process in respect of listed activities in the Environmental Impact Assessment (EIA) Regulations 2017 as amended, that require an application for Environmental Authorisation in terms of the National Environmental Management Act, 1998 (NEMA), and a Water Use License in terms of the Water Use Licence Regulations, March 2017 in terms of the National Water Act, 36 of 1998.

To meet the requirements of section 38(8) of the National Heritage Resources Act, no 25 of 1999, a Heritage Impact Assessment (HIA) Report by Dr Van Schalkwyk has been submitted to South African Heritage Resources Agency (SAHRA) for commenting.

Van Schalkwyk, J.A. July 2017. Phase 1 Cultural Heritage Impact Assessment: The Proposed Development of The Mogalakwena Mini Water Scheme Pipeline, Waterberg District Municipality, Limpopo Province

The author undertook a field survey of the proposed development area and identified 5 heritage resources within the study area and a background scatter of Middle Stone Age stone tools. The MSA stone tools are generally isolated finds of low heritage significance and the impact is considered low. There are two homestead localities identified close to the development area. Site 8.3.3.4 is of low significance and it may be linked to the single grave at site 8.3.3.3 which is of high significance. The second homestead is on a different farm and is of low significance. Sites 8.3.3.1 and 8.3.3.2 are also graves, two graves and a single grave respectively, both sites are of high heritage significance.

The author recommends the following:

A 5 m buffer zone around the graves (8.3.3.1; 8.3.3.2; and 8.3.3.3) and the buffer zone must be demarcated by red danger tape.

A 5 m buffer zone around the homestead identified as 8.3.3.4 and the buffer zone must be demarcated by red danger tape.

Site 8.3.3.5 located on the farm Rhenostertrap 719 LR must be conserved and avoided.

Our Ref: 13020



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Nokukhanya Khumalo

Tel: 021 462 4502

Email: nkhumalo@sahra.org.za

CaseID: 13020

Date: Thursday November 15, 2018

Page No: 3

Final Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit notes that it is issuing this comment after the 30 day commenting period from notice of application. However, SAHRA disagrees with the heritage input within the Basic Assessment report and the recommendations provided in the HIA report as follows:

The recommended buffer zone around all the identified heritage resources is not sufficient to prevent accidental damage during construction. The standard buffer zone around graves and other heritage resources must be 30 metres, demarcated by danger tape.

A palaeontological assessment by a suitably qualified professional palaeontologist was not undertaken as part of the BAr application, therefore making the heritage assessment as required in terms of section 38(3) of the NHRA incomplete. A palaeontological assessment is required as per the protocols on the PalaeoSensitivity map on SAHRIS.

SAHRA was not notified of the proposed environmental authorisation application within the first public participation period; therefore, the applicant was not informed about the required heritage studies for this development. SAHRA cannot provide comments because the Basic Assessment process was finalised without notice to SAHRA and without comments from SAHRA regarding the heritage resources identified in the HIA.

SAHRA cannot endorse this proposed development due to the above mentioned, and advises the Limpopo Department of Economic Development, Environment and Tourism (LDEDET) to reject the application to construct the Diphitshi Mini Cluster Scheme.

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

Our Ref: 13020



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Nokukhanya Khumalo

Tel: 021 462 4502

Email: nkhumalo@sahra.org.za

CaseID: 13020

Date: Thursday November 15, 2018

Page No: 4

Phillip Hine

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

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/513341>

(LDEDET, Ref: LEDET REF: 12/1/9/1-W164 NEAS REF: LIM/EIA/0000627/2018)