

Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



5 January 2021

Your ref: 14/12/16/3/3/1/2039

Coleskop WEF Layout Revision

Umlando undertook the heritage survey for the proposed Umsobomvu windfarm in 2013. Subsequent to the initial report the areas was divided into three aspects: Umsobomvu I WEF, Coleskop WEF and Eskom MTS. There has been a slight change to the original layout with the addition of the following features:

The proposed Coleskop Infrastructure Development includes the following:

- Creating a new access point and upgrading existing jeep tracks and farm roads of approximately 7.1 km in length to create new access road routes. These roads will be expanded to 12 m in width during the construction phase and rehabilitated to 5 m in width during the operational phase.
- The construction of three (3) concrete batching plants, temporary laydown areas and construction areas. Each will consist of a concrete and/or steel batching plant of approximately 11 250 m², a temporary laydown area of approximately 22 500 m² and a construction compound area of approximately 11 250 m². The combined total area to be cleared for these three (3) concrete batching plants, temporary laydown areas and construction areas is approximately 45 000 m² (4.5 ha) within the 135 000 m² (13.5 ha) assessed area.
- The construction of electrical infrastructure which includes an Operation and Maintenance Services (OMS) building of up to 60 m x 60 m, requiring the clearance of up to 3 600 m² (0.36 ha).

Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



- Two (2) 500 m corridors for the construction of a 132 kV overhead line of approximately 7.6 km in length, which will be routed from the Coleskop Substation to the MTS Substation. This will include a double circuit, twin Tern 132 kV conductor. The overhead line will connect the proposed infrastructure to the existing electrical grid.

These changes do not further affect any of the sensitive areas and/or heritage sites recorded during the original survey. The mitigation remains the same. Fig 1 shows the new access road and batching plants. Fig 2 – 3 shows the buildings and corridor. Fig. 4 shows the new access road to the batching plant

All heritage sites and their management is conditional in the EA and is also reiterated as part of the amendment. Some of this is specific to the approved access road and the batching plants, mini subs etc. Roads have not changed (in terms of specs) since the original EIA and specialist reports and were approved at 12m wide, rehabbed to 5m, and restricted in places by heritage and ecological constraints

Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901

1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal

Cell: 0836585362 / 0723481327

Phone: 035-7531785;



Fig. 1: Access Road And New Batching Parks



Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901

1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal

Cell: 0836585362 / 0723481327

Phone: 035-7531785;



Fig. 2: Northern Powerline Footprint



Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901

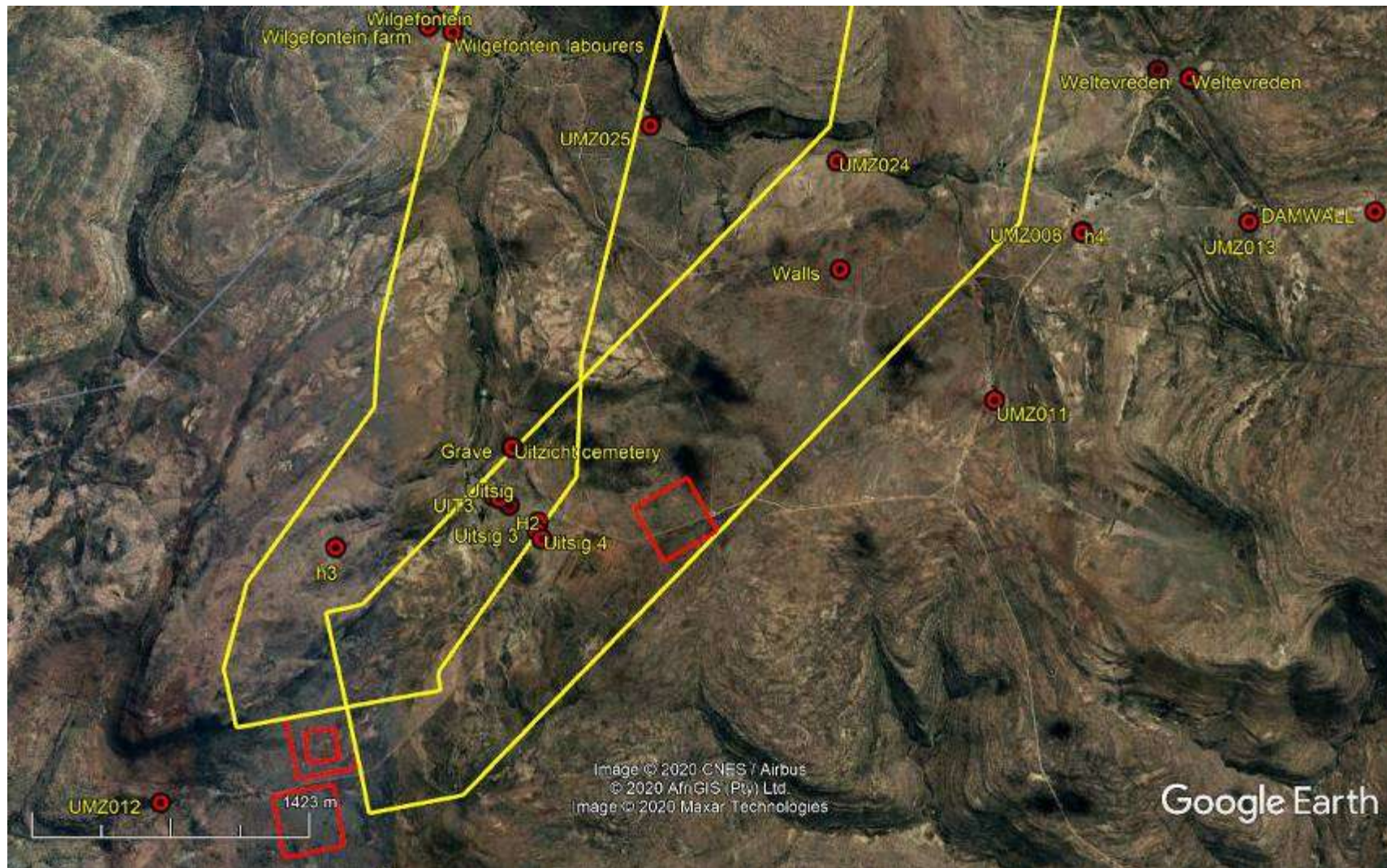
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal

Cell: 0836585362 / 0723481327

Phone: 035-7531785;



Fig. 3: Southern Powerline Footprint and Batching Plants



Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901

1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal

Cell: 0836585362 / 0723481327

Phone: 035-7531785;



Fig. 4: New Access Road To A Batching Plant



The following sites fall within the footprint:

- UMZ006
- UMZ014
- UMZ024
- Walls
- Uitsig farm complex
 - Uitzicht cemetery
 - Uitsig 2
 - UIT02
 - UIT03
- Wilgefontein farm labourer's houses

The sites are as described in the initial HIA report as follows (fig. numbers in the quotes refer to the report figure numbers):

UMZ006

The site is located at the head of a valley at ~1800m asl. The site consists of a flat area with several small overhangs just above the stone scatters. These shelters do not have any deposit and are less than 1m in depth (fig. 14). The artefacts are found at the base of the hill towards the edge of the cliffs in a sandy soil. The scatters have been slightly affected by an Eskom transmission line.

The stone tools are all made from hornfels and have similar patination. The tools include:

- Duck billed scraper
- Medium end scrapers
- Utilised flakes
- Utilised Blade
- General flakes
- Bladelet core
- Irregular cores

The stone tools can date between the terminal Pleistocene and early Holocene. The tools are located in a secondary context.

Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



The site might be affected by access roads.

Significance: The site is of low significance. All of the tools are in a secondary context and have little research value.

Mitigation: No further mitigation is required. A permit will be required from ECHPRA if the site will be affected by the main access road.

SAHRA Rating: 3C

FIG. 14: STONE TOOLS AT UMZ006



Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



UMZ014

The site is located at the base of a small koppie on the mountain (fig. 29). There is an ephemeral scatter of stone tools over an area 60m x 50m in size. The tools appear to be in a secondary context, and are made from hornfels. The tools date to the MSA and consist of irregular cores, flakes (with/out a prepared platform) and unifacial points of varying sizes (fig. 30)

Significance: The site is of low significance.

Mitigation: No mitigation is required, however if a permit will be required if the access road affects the site.

SAHRA Rating: 3C

FIG. 29: GENERAL VIEW OF UMZ014



Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



FIG. 30: STONE TOOLS AT UMZ014



UMZ024

The site is located below the top of the mountain overlooking the valley. The shelter is on a sandstone ridge and is 7m wide, 1.5m deep and 1.5m high (fig. 39). There is a small talus slope in front of the shelter that extends for ~10m. The shelter has a deposit. There is a high density of stone tools on the talus slope. The tools are predominantly made from hornfels, although a few silcrete artefacts occur. The tools are typical of a Wilton and post-Wilton complex:

1. (small) scrapers
2. Adzes
3. utilised flakes
4. re-used MSA flakes
5. Irregular cores
6. Single platform cores
7. flakes

Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



No pottery was observed.

Three paintings occur at the shelter. The main painting is a 'late white' eland that appears to be more finger-painted than in the fine line tradition (fig. 40). To the right are two faint red antelope that are in the fine line tradition.

Some of the wind turbines will be in view from the site.

Significance: The site is of medium significance.

Mitigation: No mitigation is required, as the site will not be directly affected by the development.

SAHRA Rating: 3B

Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



FIG. 39: SHELTER AND TALUS SLOPE AT UMZ024



UITSIG

The farm is located on the Erf Uitzicht 3. The SGD maps are not available online for this farm, although it appears on the 1829 SGD diagrams on the adjacent farm. This is one of the first registered farms in the area. The farm complex occurs over an area ~500m x 150m wide, with a cemetery located 250m northeast of the main house. The farm complex consists of four areas with built

Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



structures. All built structures are form local sandstone. From east to west, they are (fig. 49):

1. A shed and abutting kraal walls
2. The original farmhouse with two mulberry trees at the front entrance.
There has been additional walling added to the back part of the house.
This building dates to 1853 ACE.
3. Labourers' houses and kraals
4. Large kraal

There are smaller features around these buildings, as well as many artefacts, dating from the 1850s onwards. Fig. 50 shows a brewery bottle observed near the main farmhouse. There are several boundary and fence markers on stone stelae (also referred to as pillars, obelisks and corners) in the area (fig. 51). Many of these have deep weathered grooves on the sides. The cemetery has a low stone wall around it (fig. 52). There are three graves, but only one has a headstone. The other two each have 'capstones' that are partially hidden by bush and sand. The headstone is very weathered. The name is Dorothea Regina van der Walt (this is the maiden or married surname), born in 1879, and died 22 February (with illegible year date).

Significance: The farm complex dates to 1853 and is in relative good condition, besides falling into ruin. The farm can give insight into early farming life in the area. The farm complex is thus of high significance.

Mitigation: The area should not be affected. Stelae may be affected but need to be removed before construction and replaced in the same place thereafter by a heritage practitioner.

SAHRA Rating: 3A

FIG. 49: ORIGINAL BUIDLINGS AT UITZICHT



FIG. 50: 19th CENTURY BREWERY BOTTLE



FIG. 51: STELAE AT UTITZICHT



Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901

1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal

Cell: 0836585362 / 0723481327

Phone: 035-7531785;



FIG. 52: CEMETERY AT UITSIG



Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



WILGEFONTEIN

Wilgefontein is located on the Erf Leuwe Kop 120. The SGD are not currently available online. The farm consists of a main farmhouse, with a shed and large stone walled kraal, with the farm labourers houses ~90m to the east. The farmhouse is in the same architectural style as at Winterhoek, and are thus probably of similar age (fig. 58). The buildings are surrounded by blue gum trees, of which some form a windbreak and a field boundary marker.

Significance: The buildings will need to be assessed by an architect historian for its full significance.

Mitigation: The buildings are currently not affected. The access road cannot affect the buildings if it is placed here. Areas around the some of the buildings have potential historical archaeological deposit and may need to be monitored if affected by servitudes.

SAHRA Rating 3B.

Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901

1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal

Cell: 0836585362 / 0723481327

Phone: 035-7531785;



FIG. 58: BUILDINGS AT WILGEFONTEIN



Umlando: Archaeological Surveys & Heritage Management

PO Box 10153, Meerensee, 3901
1 Perch Pool, Meerensee, Richards Bay, Kwazulu Natal
Cell: 0836585362 / 0723481327
Phone: 035-7531785;



The mitigation measures for each site remains the same. There is a 50m buffer around each site and this will be confirmed when the final layout of the infrastructure occurs. The aim will be to avoid heritage sites as much as possible.

Location and summary of sites

Name	Description	Latitude	Longitude	Significance	Requires Mitigation If Affected	Type of mitigation
Uitzicht farm complex	Uitzicht farm buildings	-31.394848991	24.808112020	To be assessed by architect-historian. Medium archaeological significance	Yes	No damage to buildings. Monitoring during construction and possible excavations
		-31.394461680	24.807303704			
		-31.394545989	24.807597021			
		-31.396328704	24.809826949			
		-31.392301088	24.808293628			
UMZ006	LSA scatter	-31.372089610	24.832105134	Low	No	Permit
UMZ014	stone tools	-31.318343650	24.836304815	Low	No	Permit
UMZ024	Rock art and stone tools	-31.379562998	24.825119991	Medium	Yes/no	Site cannot be affected
Wilgefontein labourers' houses	Farm buildings	-31.373592018	24.804986356	To be assessed by architect-historian. Low-medium archaeological significance	Yes	No damage to buildings. Walling may be moved for access road, but needs to be rebuilt after construction. Monitoring during construction and possible excavations

Yours Sincerely

Gavin Anderson