McGregor Museum Department of Archaeology



Heritage Impact Assessment (Archaeology) for the proposed Guldenskat Residential Development, Jan Kempdorp, Northern Cape

David Morris and Koot Msawula July 2019

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Executive Summary

A Phase 1 Heritage Impact Assessment (Archaeology) is presented for the site of the proposed Guldenskat Residential Development, Jan Kempdorp, Phokwane Municipality, Northern Cape.

During a site visit it was found that the surface area of the proposed Guldenskat Residential Development was somewhat disturbed by a combination of shallow pits and bulldozed strips, with scattered heaps of builders' rubble and other debris. Only very limited heritage features were observed, one of which is an unusual instance, namely a biface embedded in a calcrete bock, which would be worth salvaging before construction commences. The relevant observations are indicated in this report.

Significance of impact on archaeological and cultural heritage features is reckoned to be low. It remains possible that some material of significance may occur subsurface (e.g. ash midden relating to late Iron Age settlement, although no indications of this being likely were noted), which, if encountered, should be brought to the attention of heritage authorities for further assessment and mitigation if necessary.

In terms of this report, the recommendation is made that development be allowed to proceed as planned, with the only recommended mitigation being the salvage of the calcrete block with embedded biface.

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1. INTRODUCTION

The McGregor Museum archaeology department was requested to carry out a Phase 1 Heritage Impact Assessment with focus on archaeology at the site of the proposed Guldenskat Residential Development, Jan Kempdorp, Northern Cape. NSVT Consultants (Contact: Lorato Tigedi Pr Sci Nat, Director, Tel 051-4301041 Email info@nsvt.co.za, PO Box 42452 Heuwelsig 9332) appointed the McGregor Museum Archaeology Department for this task.

The site consists of an area of open ground at the southern extent of the Jan Kempdorp urban area, Phokwane Municipality, Northern Cape, intended for residential development.

During a site visit on 16 July 2019 it was found that the surface area was already somewhat disturbed by a combination of shallow pits and bulldozed strips, with scattered heaps of builders' rubble and other debris. Only very limited heritage features were observed, one of which is an unusual instance, namely a biface embedded in a calcrete bock, which would be worth salvaging before construction commences. The relevant observations are indicated in this report.

Fieldnotes and photographs are lodged with the McGregor Museum, Kimberley.

1.1. Focus and Content of Specialist Report: Heritage

This archaeology and heritage specialist study is focused on the site of the proposed development.

This study outlines:

- Introduction, explaining the focus of the report (1.1) and introducing the authors in terms of qualifications, accreditation and experience to undertake the study (1.2)
- Description of the affected environment (2) providing background to the development and its infrastructural components (2.1); background to the heritage features of the area (2.2); and defining environmental issues and potential impacts (2.3)
- Methodology (3) including an assessment of limitations (3.1).
- Observations and assessment of impacts (4); Specific observations (4.1); characterizing archaeological significance (4.2); and Summary of significance of impacts (4.3).
- Measures for inclusion in a draft Environmental Management Plan for the development are set out in tabular form (5).
- Conclusions (6).

1.2. Authors of this Report

The authors (both on staff of the McGregor Museum) are independent of the organization commissioning this specialist input, and provide this heritage assessment (archaeology and colonial history but not palaeontology) within the framework of the National Heritage Resources Act (No 25 of 1999).

The senior author is a professional archaeologist (PhD) accredited as a Principal Investigator by the Association of Southern African Professional Archaeologists. He has worked as a museum archaeologist and has carried out specialist research and surveys in the Northern Cape and western Free State since 1985. In addition, he has a comprehensive knowledge of Northern Cape history and built environment, and received UCT-accredited training at a workshop on Architectural and Urban Conservation: researching and assessing local (built) environments (S. Townsend, UCT). He is also Chairman of the Historical Society of Kimberley and the Northern Cape.

The National Heritage Resources Act no. 25 of 1999 (NHRA) protects heritage resources which include archaeological and palaeontological objects/sites older than 100 years, graves older than 60 years, structures older than 60 years, as well as intangible values attached to places. The Act requires that anyone intending to disturb, destroy or damage such sites/places, objects and/or structures may not do so without a permit from the relevant heritage resources authority. This means that a Heritage Impact Assessment should be performed, resulting in a specialist report as required by the relevant heritage resources authority/ies to assess whether authorisation may be granted for the disturbance or alteration, or destruction of heritage resources.

Where archaeological sites and palaeontological remains are concerned, the South African Heritage Resources Agency (SAHRA) at national level acts on an agency basis for the Provincial Heritage Resources Agency (PHRA) in the Northern Cape. The Northern Cape Heritage Resources Authority (formerly called Ngwao Bošwa ya Kapa Bokone) is responsible for the built environment and other colonial era heritage and contemporary cultural values.

2. DESCRIPTION OF THE AFFECTED ENVIRONMENT

Jan Kempdorp is situated in the north-eastern part of the Northern Cape, within the Vaal-Harts irrigation scheme, and east of the N18 national road from Warrenton to Vryburg.

The landscape surface is generally quite considerably modified as a result of the Vaal-Harts Irrigation Scheme which dates from the 1930s, with patches of more or less intact veld between irrigated agricultural lands, one such being the area of proposed development immediately south of the Jan Kempdorp urban spread. Pre-Karoo Ventersdorp basalt/andesite is overlain by deep Hutton soils in the broad valley of the Harts River to the east of the Ghaap Escarpment.



Figure 1: Outlined in green, the position of proposed Guldenskat Residential Development, at the south side of Jan Kempdorp, Northern Cape.



Figure 2: Elements of indigenous vegetation within the development footprint.



Figure 3: Exotic Eucalyptus trees and dumped builders' rubble.

The immediate environment retains aspects of its original appearance with indigenous vegetation (Fig 2), but is not exactly pristine. Exotic Eucalyptus trees occur within the development footprint which has also been pitted, scraped in places (bulldozer), and strewn with heaps of builders' rubble (Fig. 3). In a few places open pits/holes and rock and sediment heaps brought to the surface adjacent to pits or service installation (pipeline), afford a sense of subsurface heritage features (or lack thereof).

2.1. Project components

As indicated the extent of the proposed development shown in Figure 1 is for residential development.

2.2 Background to the heritage features of the area

The Northern Cape is characterized by a wealth archaeological landscapes reflecting Stone Age to Colonial histories. Known sites in the Jan Kempdorp area testify to a cultural succession through the Earlier, Middle and Later Stone Age as well as Iron Age (Helgren 1978; Beaumont & Morris 1990; Morris & Beaumont 2004; Morris & Seliane 2008; Gibbon et al 2009). Later Stone Age rock art sites are also found in the wider landscape, including rock engraving locales in the vicinity of Taung (Morris 1988; Fock & Fock 1989; Morris & Mngqolo 1995). The nearby Ghaap Escarpment contains shelters rich in archaeological traces (Humphreys & Thackeray 1984) but is perhaps most notable for its fossil sites such as that at which the Taung Skull was found, at Buxton (Beaumont & Morris 1990). Historical events relating to the conquest of the Southern Tswana, e.g. at Phokwane (Shillington 1985), left traces now part of the heritage of the area, as did the

subsequent settlement of the valley. Jan Kempdorp straddled the historical border between the former Transvaal and Cape Provinces.

2.3 Environmental issues and potential impacts

Heritage resources including archaeological sites are in each instance unique and non-renewable resources. Any area or linear, primary and secondary, disturbance of surfaces in the development locales could have a destructive impact on heritage resources, where present. In the event that such resources are found, they are likely to be of a nature that potential impacts could be mitigated by documentation and/or salvage following approval and permitting by the South African Heritage Resources Agency and, in the case of any built environment features, by the Northern Cape Heritage Authority (previously called Ngwao Bošwa jwa Kapa Bokone). Although unlikely, there may be some that could require preservation in situ and hence modification of intended placement of development features.

The expected impact in this instance would be an area disturbance.

Destructive impacts that are possible in terms of heritage resources would tend to be direct, once-off events occurring during construction. In the long term, the proximity of operations in a given area could result in secondary indirect impacts resulting from the movement of people or vehicles in the immediate or surrounding vicinity. It is to be noted that the site is surrounded completely by existing considerable disturbance in the form of built environment of Jan Kempdorp, and agricultural development within the Vaal-Harts Scheme.

3. METHODOLOGY

The area proposed for development was inspected on foot on 16 July 2019. An assessment was made of the presence/absence of visible heritage traces and the possibility of subsurface features.

3.1 Assumptions and Limitations

It was anticipated that limited indications of the erstwhile archaeology of the site would be visible given the state of disturbance, although pits afforded in a few instances an idea of subsurface features (e.g. presence/absence of ash middens).

This report does not address palaeontology.

4. OBSERVATIONS AND ASSESSMENT OF IMPACTS

During the site visit on 16 July 2019 the entire extent of the proposed development was inspected by the two authors who noted the somewhat disturbed nature of the terrain through a combination of shallow pits and scraped (bulldozed) strips, heaps of sediment alongside said pits, unearthed boulders where trenching for services (water/sewage pipes) had occurred, and with scattered heaps of builders' rubble and other debris.

4.1 Specific observations

At the south western corner of the area an open pit into Hutton Sands was inspected and revealed a lens of modern rubbish near the surface but otherwise homogeneous sand (i.e. no indications of precolonial ash lenses such as had been found at Rooiwal near Taung - McGregor Museum records; Morris & Seliane 2008).

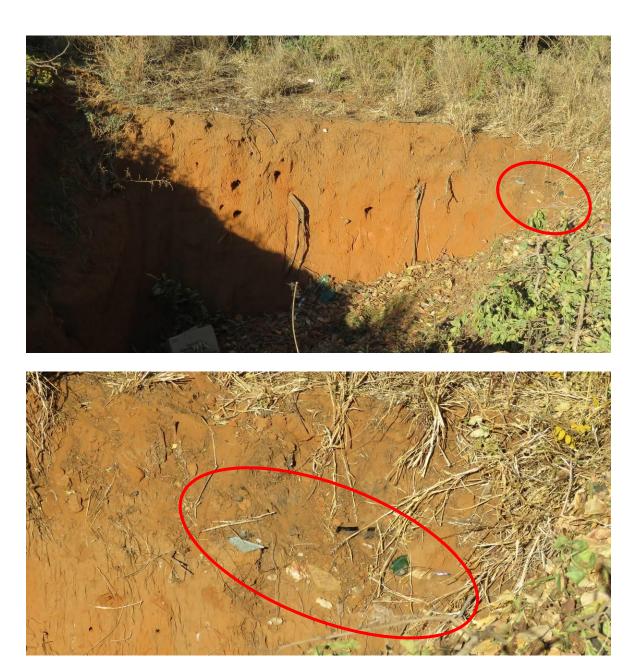


Figure 4 a & b: Open pit in south west corner: twentieth century rubbish visible in the section.

Across the undulating, largely disturbed surface very few heritage features were observed, namely:

• Ruins of a farm feeding trough at 27°55'41.3"S 24°49'59.4" E (Figs. 5, 8)



Figure 5: Ruin of farm trough (No 1 in Figure 8).

• A single Stone Age flake (quartzite) at 27°55'45.4"S 24°49'56.3" E (Figs. 6, 8)



Figure 6: Stone Age flake (No 2 in Figure 8).

 An unusual feature, namely an unearthed block of calcrete (clearly having underlain the Hutton Sands and brought to the surface during trenching for the laying of a pipeline) which contained an embedded Earlier Stone Age (Acheulean) biface at 27°55'45.1" S 24°49'56.4" E (Figs. 7, 8). It is recommended that this block be salvaged as a museum exhibit before construction commences.



Figure 7a-c: Unearthed block of calcrete with embedded ESA (Acheulean) biface (No 3 in Figure 8).





Figure 8: Google Earth map showing find points 1 to 3 and the open pit near the south western corner.

4.2 Characterizing the overall significance of impacts

The criteria on which significance of impacts is based include **nature**, **extent**, **duration**, **magnitude** and **probability of occurrence**, with quantification of significance being grounded and calculated as follows:

- The nature, namely a description of what causes the effect, what will be affected, and how it will be affected.
- The **extent**, indicating the geographic distribution of the impact:
 - local extending only as far as the development site area assigned a score of 1;
 - limited to the site and its immediate surroundings (up to 10 km) assigned a score of 2;
 - impact is regional assigned a score of 3;
 - o impact is national assigned a score of 4; or
 - impact across international borders assigned a score of 5.

- The **duration**, measuring the lifetime of the impact:
 - o very short duration (0–1 years) assigned a score of 1;
 - o short duration (2-5 years) assigned a score of 2;
 - medium-term (5–15 years) assigned a score of 3;
 - long term (> 15 years) assigned a score of 4;
 - or permanent assigned a score of 5.
- The **magnitude**, quantified on a scale from 0-10:
 - 0 is small and will have no affect on the environment;
 - o 2 is minor and will not result in an impact on environmental processes;
 - o 4 is low and will cause a slight impact on environmental processes;
 - 6 is moderate and will result in environmental processes continuing but in a modified way;
 - 8 is high (environmental processes are altered to the extent that they temporarily cease); and
 - 10 is very high and results in complete destruction of patterns and permanent cessation of environmental processes.
- The **probability of occurrence**, indicating the likelihood of the impact actually occurring (scale of 1-5)
 - 1 is highly improbable (probably will not happen);
 - 2 is improbable (some possibility, but low likelihood);
 - 3 is probable (distinct possibility);
 - 4 is highly probable (most likely); and
 - o 5 is definite (impact will occur regardless of any prevention measures).
- The **significance**, determined by a synthesis of the characteristics described above and expressed as low, medium or high. Significance is determined by the following formula:
 - S= (E+D+M) P; where S= Significance weighting; E= Extent; D= Duration; M= Magnitude; P= Probability.
- The **status**, either positive, negative or neutral, reflecting:
 - o the degree to which the impact can be reversed.
 - o the degree to which the impact may cause irreplaceable loss of resources.
 - the degree to which the impact can be mitigated.
- The significance weightings for each potential impact are as follows:
 - < 30 points: Low (i.e. where this impact would not have a direct influence on the decision to develop in the area),
 - 30-60 points: Medium (i.e. where the impact could influence the decision to develop in the area unless it is effectively mitigated),
 - > 60 points: High (i.e. where the impact must have an influence on the decision process to develop in the area).

4.3 SUMMARY OF THE SIGNIFICANCE OF IMPACTS

Significance of Impacts, with and without mitigation – based on the worst case scenario – for the area investigated.

Nature:

Acts or activities resulting in disturbance of surfaces and/or sub-surfaces containing artefacts (causes) resulting in the destruction, damage, excavation, alteration, removal or collection from its original position (consequences), of any archaeological or other heritage material or object (what affected).

The following assessment refers to impact on physical archaeological/heritage traces.

	Without mitigation	With mitigation
Extent	1	1
Duration	5	5
Magnitude	2	2
Probability	2	2
Significance	16	16
Status (positive or	WEAKLY NEGATIVE	
negative)		
Reversibility	No	No
Irreplaceable loss of	Where present	Where present
resources?		
Can impacts be	Yes	
mitigated?		

Mitigation: The only mitigation recommended is the removal to safe-keeping of the calcrete boulder with the embedded biface.

Cumulative impacts: Cumulative Impacts: where any archaeological contexts occur, direct impacts are once-off permanent destructive events. Secondary cumulative impacts may occur with the increase in development and operational activity associated with the life of the proposed project – but surrounding properties are already heavily developed (urban area, agriculture, national road to west).

Residual Impacts: -

5. MEASURES FOR INCLUSION IN THE DRAFT ENVIRONMENTAL MANAGEMENT PLAN

The objective

Archaeological or other heritage materials that may be encountered during any subsurface disturbance associated with any aspect of the proposed development or maintenance thereof may be subject to destruction, damage, excavation, alteration, or removal. The objective is to limit such possible impacts.

Project	Any infrastructure construction potentially impacting unanticipated
component/s	below-surface heritage traces.
Potential Impact	The potential impact if this objective is not met is that possible but unanticipated heritage traces may be subject to destruction, damage, excavation, alteration or removal.
Activity/risk source	Activities which could impact on achieving this objective include deviation from any planned development without taking heritage impacts into consideration.
Mitigation: Target/Objective	An environmental management plan that takes cognizance of the potential for unanticipated heritage resources occurring sub-surface. Mitigation (based on present observations and project proposal) is not considered to be necessary beyond salvage of the calcrete block with embedded handaxe.

Mitigation: Action/control	Responsibility	Timeframe
Provision for on-going heritage	Environmental	Environmental management
monitoring in an environmental	management	plan to be in place before
management plan which also	provider with on-	commencement of
provides guidelines on what to do in	going monitoring	construction.
the event of any major heritage	role for the	
feature being encountered during	construction	
any phase of construction/maintenance.	phase and for any	
maintenance.	instance of periodic or on-	
	going land	
	surface	
	modification	In the event of finding any of
Should unexpected finds be made		the features mentioned in
(e.g. precolonial burials; ostrich		column 1, reporting by the
eggshell container cache; or		developer to relevant
localised Stone Age sites with stone	Environmental	heritage authority should be
tools, pottery, ash midden with	Control Officer	immediate.
bone/pottery; military remains), the	should report to	Contact: SAHRA Ms N.
relevant Heritage Authority should	the Heritage	Higgins 021-4624502 or NC
be contacted.	Authority as	Heritage Resources
	needed (see next column).	Authority Mr Andrew Timothy 0790369294.
	oordining.	010000204.

Performance Indicator	Inclusion of further heritage impact consideration in construction and future phases of the development.
Monitoring	Officials from relevant heritage authorities (National, Provincial or Local) to be permitted to inspect the site at any time in relation to the heritage component of the management plan.

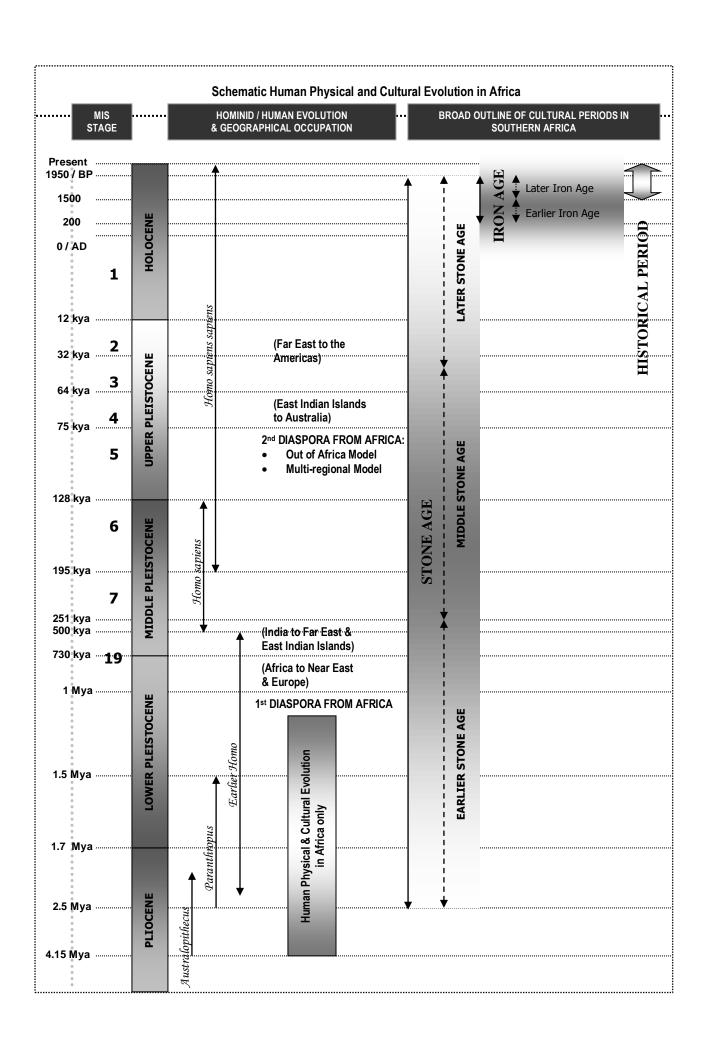
6. CONCLUSIONS AND RECOMMENDATIONS

Significance of impact on archaeological and cultural heritage features is demonstrated to be low and no mitigation measures are regarded as necessary beyond the recommended salvage of the calcrete block with embedded biface. It remains possible (but unlikely) that some material of significance and with contextual integrity may occur subsurface which, if encountered, should be brought to the attention of heritage authorities for further assessment and mitigation if necessary. An example from the region was the occurrence of ash middens with bone and pottery found at circa 0.3-0.5 m depth in Hutton Sands at Rooiwal near Taung (Morris & Seliane 2008). There were no indications of similar phenomena from observations reported above but the possibility exists that they may be found during construction.

In terms of this report, the recommendation is made that development be allowed to proceed as planned, after salvage of the calcrete block. Ordinarily it would be suggested that the handaxe in its calcrete matrix be exhibited in the local museum, but since this museum has been utterly neglected it is recommended that the object be transferred to the McGregor Museum for safe-keeping until such time as a local museum is in a position to accept it.

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Extracts from the

National Heritage Resources Act (No 25 of 1999)

DEFINITIONS

Section 2

In this Act, unless the context requires otherwise:

- ii. "Archaeological" means -
 - material remains resulting from human activity which are in a state of disuse and are in or on land and which are older than 100 years, including artefacts, human and hominid remains and artificial features and structures;
 - rock art, being any form of painting, engraving or other graphic representation on a fixed rock surface or loose rock or stone, which was executed by human agency and which is older than 100 years, including any area within 10 m of such representation;
 - c) wrecks, being any vessel or aircraft, or any part thereof, which was wrecked in South Africa, whether on land, in the internal waters, the territorial waters or in the maritime culture zone of the Republic,... and any cargo, debris, or artefacts found or associated therewith, which is older than 60 years or which SAHRA considers to be worthy of conservation.
- viii. "Development" means any physical intervention, excavation or action, other than those caused by natural forces, which may in the opinion of a heritage authority in any way result in a change to the nature, appearance or physical nature of a place, or influence its stability and future well-being, including
 - a) construction, alteration, demolition, removal or change of use of a place or structure at a place;
 - b) carrying out any works on or over or under a place;
 - subdivision or consolidation of land comprising, a place, including the structures or airspace of a place;
 - d) constructing or putting up for display signs or hoardings;
 - e) any change to the natural or existing condition or topography of land; and
 - f) any removal or destruction of trees, or removal of vegetation or topsoil;
- xiii. "Grave" means a place of interment and includes the contents, headstone or other marker of such a place, and any other structure on or associated with such place;
- xxi. "Living heritage" means the intangible aspects of inherited culture, and may include
 - a) cultural tradition;
 - b) oral history;
 - c) performance;
 - d) ritual;
 - e) popular memory;
 - f) skills and techniques;
 - a) indigenous knowledge systems; and
 - h) the holistic approach to nature, society and social relationships.
- xxxi. "Palaeontological" means any fossilised remains or fossil trace of animals or plants which lived in the geological past, other than fossil fuels or fossiliferous rock intended for industrial use, and any site which contains such fossilised remains or trance:
- xli. "Site" means any area of land, including land covered by water, and including any structures or objects thereon;
- xliv. "Structure" means any building, works, device or other facility made by people and which is fixed to land, and includes any fixtures, fittings and equipment associated therewith;

NATIONAL ESTATE

Section 3

- For the purposes of this Act, those heritage resources of South Africa which are of cultural significance or other special value for the present community and for future generations must be considered part of the national estate and fall within the sphere of operations of heritage resources authorities.
- Without limiting the generality of subsection 1), the national estate may include
 - a) places, buildings, structures and equipment of cultural significance;
 - b) places to which oral traditions are attached or which are associated with living heritage;
 - c) historical settlements and townscapes;
 - d) landscapes and natural features of cultural significance;
 - e) geological sites of scientific or cultural importance
 - f) archaeological and palaeontological sites;
 - g) graves and burial grounds, including
 - i. ancestral graves;
 - ii. royal graves and graves of traditional leaders;
 - iii. graves of victims of conflict

- iv. graves of individuals designated by the Minister by notice in the Gazette;
- v. historical graves and cemeteries; and
- vi. other human remains which are not covered in terms of the Human Tissue Act, 1983 (Act No 65 of 1983)
- h) sites of significance relating to the history of slavery in South Africa;
- i) movable objects, including
 - i. objects recovered from the soil or waters of South Africa, including archaeological and palaeontological objects and material, meteorites and rare geological specimens;
 - ii. objects to which oral traditions are attached or which are associated with living heritage;
 - iii. ethnographic art and objects;
 - iv. military objects;
 - v. objects of decorative or fine art;
 - vi. objects of scientific or technological interest; and
 - vii. books, records, documents, photographic positives and negatives, graphic, film or video material or sound recordings, excluding those that are public records as defined in section 1 xiv) of the National Archives of South Africa Act, 1996 (Act No 43 of 1996).

STRUCTURES

Section 34

1) No person may alter or demolish any structure or part of a structure which is older than 60 years without a permit issued by the relevant provincial heritage resources authority.

ARCHAEOLOGY, PALAEONTOLOGY AND METEORITES Section 35

- 3) Any person who discovers archaeological or palaeontological objects or material or a meteorite in the course of development or agricultural activity must immediately report the find to the responsible heritage resources authority, or to the nearest local authority offices or museum, which must immediately notify such heritage resources authority.
- 4) No person may, without a permit issued by the responsible heritage resources authority
 - destroy, damage, excavate, alter, deface or otherwise disturb any archaeological or palaeontological site or any meteorite;
 - destroy, damage, excavate, remove from its original position, collect or own any archaeological or palaeontological material or object or any meteorite;
 - trade in, sell for private gain, export or attempt to export from the Republic any category of archaeological or palaeontological material or object, or any meteorite; or
 - d) bring onto or use at an archaeological or palaeontological site any excavation equipment or any equipment which assists in the detection or recovery of metals or archaeological and palaeontological material or objects, or use such equipment for the recovery of meteorites.
- 5) When the responsible heritage resources authority has reasonable cause to believe that any activity or development which will destroy, damage or alter any archaeological or palaeontological site is under way, and where no application for a permit has been submitted and no heritage resources management procedure in terms of section 38 has been followed, it may
 - a) serve on the owner or occupier of the site or on the person undertaking such development an order for the development to cease immediately for such period as is specified in the order;
 - b) carry out an investigation for the purpose of obtaining information on whether or not an archaeological or palaeontological site exists and whether mitigation is necessary;
 - if mitigation is deemed by the heritage resources authority to be necessary, assist the person on whom the order has been served under paragraph a) to apply for a permit as required in subsection 4); and
 - d) recover the costs of such investigation from the owner or occupier of the land on which it is believed an archaeological or palaeontological site is located or from the person proposing to undertake the development if no application for a permit is received within two weeks of the order being served.
- 6) The responsible heritage resources authority may, after consultation with the owner of the land on which an archaeological or palaeontological site or meteorite is situated, serve a notice on the owner or any other controlling authority, to prevent activities within a specified distance from such site or meteorite.

BURIAL GROUNDS AND GRAVES

Section 36

- 3) No person may, without a permit issued by SAHRA or a provincial heritage resources authority
 - destroy, damage, alter, exhume or remove from its original position or otherwise disturb the grave of a victim of conflict, or any burial ground or part thereof which contains such graves;

- destroy, damage, alter, exhume, remove from its original position or otherwise disturb any grave or burial ground older than 60 years which is situated outside a formal cemetery administered by a local authority; or
- c) bring onto or use at a burial ground or grave referred to in paragraph a) or b) any excavation equipment, or any equipment which assists in the detection or recovery of metals.
- 4) SAHRA or a provincial heritage resources authority may not issue a permit for the destruction of any burial ground or grave referred to in subsection 3a) unless it is satisfied that the applicant has made satisfactory arrangements for the exhumation and re-interment of the contents of such graves, at the cost of the applicant and in accordance with any regulations made by the responsible heritage resources authority.
- 5) SAHRA or a provincial heritage resources authority may not issue a permit for any activity under subsection 3b) unless it is satisfied that the applicant has, in accordance with regulations made by the responsible heritage resources authority
 - made a concerted effort to contact and consult communities and individuals who by tradition have an interest in such grave or burial ground; and
 - b) reached agreements with such communities and individuals regarding the future of such grave or burial ground.
- 6) Subject to the provision of any other law, any person who in the course of development or any other activity discovers the location of a grave, the existence of which was previously unknown, must immediately cease such activity and report the discovery to the responsible heritage resources authority which must, in cooperation with the South African Police Service and in accordance with regulations of the responsible heritage resources authority
 - a) carry out an investigation for the purpose of obtaining information on whether or not such grave is protected in terms of this Act or is of significance to any community; and
 - b) if such grave is protected or is of significance, assist any person who or community which is a direct descendant to make arrangements for the exhumation and re-internment of the contents of such grave or, in the absence of such person or community, make any such arrangements as it deems fit.

HERITAGE RESOURCES MANAGEMENT Section 38

- 1) Subject to the provisions of subsections 7), 8) and 9), any person who intends to undertake a development categorised as
 - a) the construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier exceeding 300 m in length;
 - b) the construction of a bridge or similar structure exceeding 50 m in length;
 - c) any development or other activity which will change the character of a site
 - i. exceeding 5 000 m² in extent; or
 - ii. involving three or more existing erven or subdivisions thereof; or
 - iii. involving three or more erven or subdivisions thereof which have been consolidated within the past five years; or
 - iv. the costs which will exceed a sum set in terms of regulations by SAHRA or a provincial heritage resources authority;
 - d) the rezoning of a site exceeding 10 000 m² in extent; or
 - e) any other category of development provided for in regulations by SAHRA or a provincial heritage resources authority,

must at the very earliest stages of initiating such a development, notify the responsible heritage resources authority and furnish it with details regarding the location, nature and extent of the proposed development.

- The responsible heritage resources authority must, within 14 days of receipt of a notification in terms of subsection 1) –
 - a) if there is reason to believe that heritage resources will be affected by such development, notify the person who intends to undertake the development to submit an impact assessment report. Such report must be compiled at the cost of the person proposing the development, by a person or persons approved by the responsible heritage resources authority with relevant qualifications and experience and professional standing in heritage resources management; or
 - b) notify the person concerned that this section does not apply.
- 3) The responsible heritage resources authority must specify the information to be provided in a report required in terms of subsection 2a) ...
- 4) The report must be considered timeously by the responsible heritage resources authority which must, after consultation with the person proposing the development decide –
 - a) whether or not the development may proceed;
 - b) any limitations or conditions to be applied to the development;
 - what general protections in terms of this Act apply, and what formal protections may be applied, to such heritage resources;
 - whether compensatory action is required in respect of any heritage resources damaged or destroyed as a result of the development; and

e) whether the appointment of specialists is required as a condition of approval of the proposal.

APPOINTMENT AND POWERS OF HERITAGE INSPECTORS Section 50

- 7) Subject to the provision of any other law, a heritage inspector or any other person authorised by a heritage resources authority in writing, may at all reasonable times enter upon any land or premises for the purpose of inspecting any heritage resource protected in terms of the provisions of this Act, or any other property in respect of which the heritage resources authority is exercising its functions and powers in terms of this Act, and may take photographs, make measurements and sketches and use any other means of recording information necessary for the purposes of this Act.
- 8) A heritage inspector may at any time inspect work being done under a permit issued in terms of this Act and may for that purpose at all reasonable times enter any place protected in terms of this Act.
- 9) Where a heritage inspector has reasonable grounds to suspect that an offence in terms of this Act has been, is being, or is about to be committed, the heritage inspector may with such assistance as he or she thinks necessary
 - enter and search any place, premises, vehicle, vessel or craft, and for that purpose stop and detain any vehicle, vessel or craft, in or on which the heritage inspector believes, on reasonable grounds, there is evidence related to that offence;
 - b) confiscate and detain any heritage resource or evidence concerned with the commission of the offence pending any further order from the responsible heritage resources authority; and
 - take such action as is reasonably necessary to prevent the commission of an offence in terms of this Act.

A heritage inspector may, if there is reason to believe that any work is being done or any action is being taken in contravention of this Act or the conditions of a permit issued in terms of this Act, order the immediate cessation of such work or action pending any further order from the responsible heritage resources authority.