

**APPENDIX D: SPECIALIST REPORTS**  
*Archaeological Assessment*

**A LETTER OF RECOMMENDATION (WITH CONDITIONS) FOR THE EXEMPTION OF  
A FULL PHASE 1 ARCHAEOLOGICAL IMPACT ASSESSMENT FOR THE PROPOSED  
MAKANA HUMAN SETTLEMENT PROJECT, ALICEDALE, MAKANA LOCAL  
MUNICIPALITY, EASTERN CAPE PROVINCE**

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**A LETTER OF RECOMMENDATION (WITH CONDITIONS) FOR THE EXEMPTION OF A FULL PHASE 1 ARCHAEOLOGICAL IMPACT ASSESSMENT FOR THE PROPOSED MAKANA HUMAN SETTLEMENT PROJECT, ALICEDALE, MAKANA LOCAL MUNICIPALITY, EASTERN CAPE PROVINCE**

**PROJECT INFORMATION**

**The type of development**

The proposed human settlement project will include the construction of approximately 385 single detached residential dwellings and associated services infrastructure. on approximately 20 ha.

**The Developer**

Makana Municipality, Grahamstown

**The Consultant**

Public Process Consultants

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**TERMS OF REFERENCE**

The original proposal was to conduct a Phase 1 Archaeological Impact Assessment of the proposed human settlement project in Alicedale, Makana Local Municipality, Eastern Cape Province, to describe and evaluate;

- the importance of possible archaeological sites, features and materials,
- the potential impact of the development on these resources and,
- to propose recommendations to minimize possible damage to these resources.

**DESCRIPTION OF THE PROPERTY**

**Map:** 1:50 000 – 3326 AC Alicedale

**Location data**

The proposed human settlement project is situated in Alicedale (approximately 50 kilometres west of Grahamstown), Makana Local Municipality, Eastern Cape Province Municipality. The development is located adjacent to Mandela Park settlement (south), 500 metres southeast of Alicedal and approximately 200 metres southwest of Kwanonzwakazi township (Maps 1-2). A general GPS reading was taken at 33.19.30,18S; 26.5.20,280E.

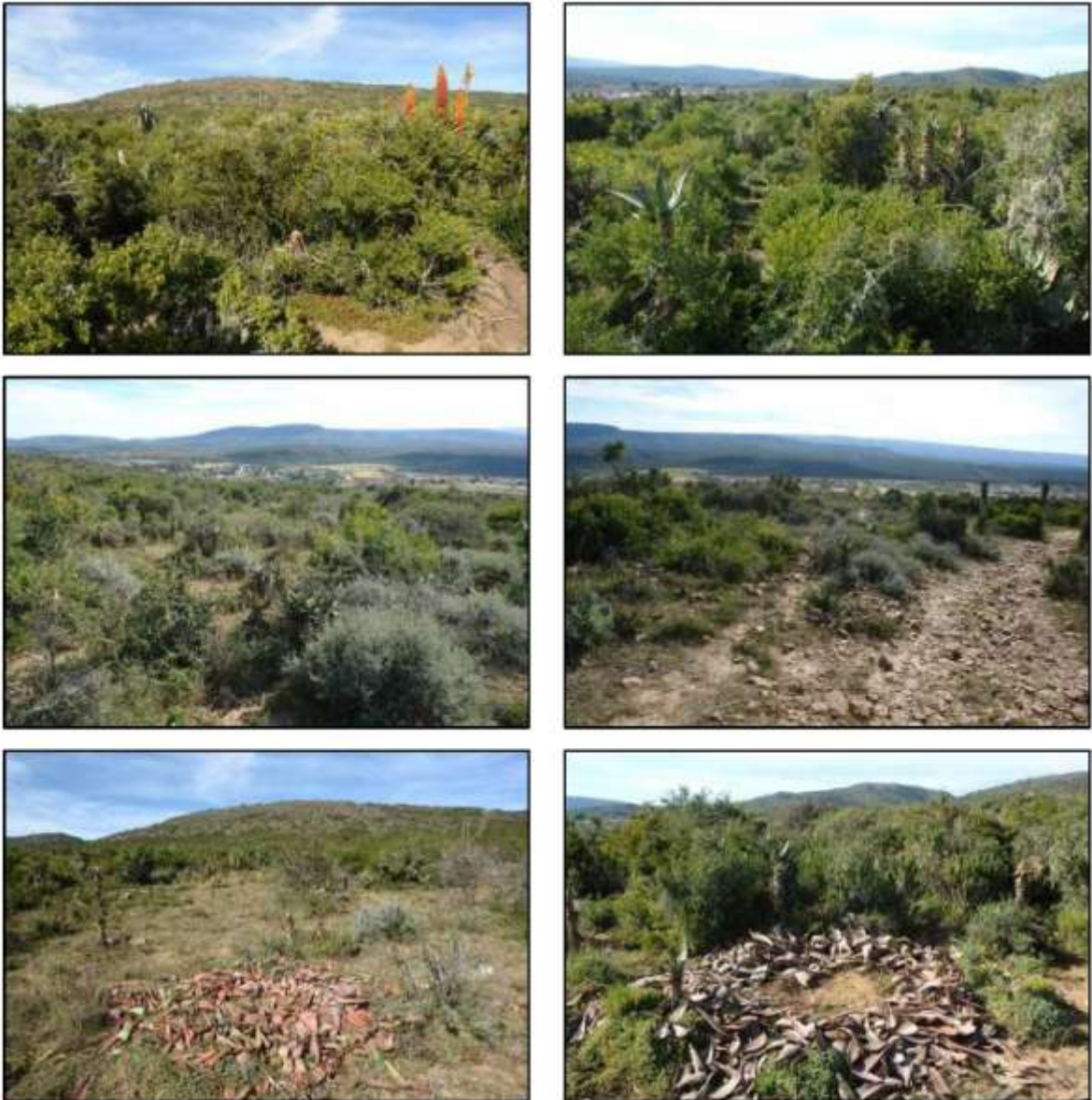
## ARCHAEOLOGICAL INVESTIGATION

### Methodology and results

The investigation was conducted on foot. GPS readings were taken and all important features were digitally recorded. The proposed site for development is situated against a relative steep slope well covered by dense thicket vegetation. Open spaces between the thicket vegetation are covered by dense grass and low bushes. Disturbed land adjacent to the current settlements is also covered by dense surface grass. The area is still used by local communities for the extracting of Aloe juice and several sites were observed in the open space in the thicket. The dense vegetation made it difficult to find archaeological sites/material. Narrow paths in the thicket vegetation were followed and surface erosion caused by vehicle tracks along the power line, was investigated. No archaeological sites/materials of any significance were found during the survey on the steep hillside or areas adjacent to the settlements. In general it would appear that it is highly unlikely that any archaeological remains of any value will be found *in situ* or exposed during the development. There are no known graves or buildings older than 60 years.



Figs 1-4. General views of the location of the proposed development against the hill slope (top left, indicated by the red line) and the areas adjacent to the settlements.



**Figs 5-10. General views of the dense vegetation, surface erosion caused by vehicle tracks and Aloe extraction sites (bottom row).**

## **DISCUSSION AND CONDITIONS**

The surrounding area of Alicedale is rich in archaeological sites and rock art, but the relatively steep slope south of the town would appear not to have been a preferred occupation area. Although no archaeological sites/materials were found, and that it is unlikely that any archaeological heritage remains of any value will be found *in situ* or of any contextual value, there is always a possibility that human remains and/or other archaeological and historical material may be uncovered during the development. Such material must be reported to the nearest museum,

archaeologist or to the South African Heritage Resources Agency (SAHRA) if exposed, so that a systematic and professional investigation can be undertaken. Sufficient time should be allowed to remove/collect such material (See Appendix B for a list of possible archaeological sites that may be found in the area).

### **LETTER OF RECOMMENDATION**

It is recommended that the proposed human settlement project which is situated in Alicedale (approximately 50 kilometres west of Grahamstown), Makana Local Municipality, Eastern Cape Province, is exempted from a full Phase 1 Archaeological Heritage Impact Assessment. The proposed area for development is of low cultural sensitivity and it is believed that it is unlikely that any archaeological heritage remains will be found on the property. The proposed development may proceed as planned.

Note: This letter of recommendation only exempts the proposed development from a full Phase 1 Archaeological Heritage Impact Assessment, but not for other heritage impact assessments.

It must also be clear that this letter of recommendation for exemption of a full Phase 1 archaeological heritage impact assessment will be assessed by the relevant heritage resources authority. The final decision rests with the heritage resources authority, which should give a permit or a formal letter of permission for the destruction of any cultural sites.

The National Heritage Resources Act (Act No. 25 of 1999, section 35) (see Appendix A) requires a full Heritage Impact Assessment (HIA) in order that all heritage resources, that is, all places or objects of aesthetics, architectural, historic, scientific, social, spiritual linguistic or technological value or significance are protected. Thus any assessment should make provision for the protection of all these heritage components, including archaeology, shipwrecks, battlefields, graves, and structures older than 60 years, living heritage, historical settlements, landscapes, geological sites, palaeontological sites and objects.

### **GENERAL REMARKS AND CONDITIONS**

It must be emphasised that this letter of recommendation for exemption of a full Phase 1 archaeological heritage impact assessment is based on the visibility of archaeological sites/material and may not therefore, reflect the true state of affairs. Sites and material may be covered by soil and vegetation and will only be located once this has been removed. In the unlikely event of such finds being uncovered, (during any phase of construction work), archaeologists must be informed immediately so that they can investigate the importance of the sites and excavate or collect material before it is destroyed (see attached list of possible archaeological sites and material). The *onus* is on the developer to ensure that this agreement is honoured in accordance with the National Heritage Act No. 25 of 1999.

## **APPENDIX A: brief legislative requirements**

Parts of sections 35(4), 36(3) and 38(1) (8) of the National Heritage Resources Act 25 of 1999 apply:

### ***Archaeology, palaeontology and meteorites***

35 (4) *No person may, without a permit issued by the responsible heritage resources authority—*

- (a) destroy, damage, excavate, alter, deface or otherwise disturb any archaeological or palaeontological site or any meteorite;*
- (b) destroy, damage, excavate, remove from its original position, collect or own any archaeological or palaeontological material or object or any meteorite;*
- (d) bring onto or use at an archaeological or palaeontological site any excavation equipment or any equipment which assist in the detection or recovery of metals or archaeological and palaeontological material or objects, or use such equipment for the recovery of meteorites.*

### ***Burial grounds and graves***

36. (3) (a) *No person may, without a permit issued by SAHRA or a provincial heritage resources authority—*

- (a) 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;*
- (b) 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.*

### ***Heritage resources management***

38. (1) *Subject to the provisions of subsections (7), (8) and (9), any person who intends to undertake a development categorized as –*

- (a) the construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier exceeding 300m in length;*
- (b) the construction of a bridge or similar structure exceeding 50m in length;*
- (c) any development or other activity which will change the character of the site –*
  - (i) exceeding 5000m<sup>2</sup> in extent, or*
  - (ii) involving three or more erven or subdivisions thereof; or*
  - (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years; or*
  - (iv) the costs of which will exceed a sum set in terms of regulations by SAHRA, or a provincial resources authority;*
- (d) the re-zoning of a site exceeding 10 000m<sup>2</sup> in extent; or*
- (e) any other category of development provided for in regulations by SAHRA or a provincial heritage resources authority, must as 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.*

## **APPENDIX A: IDENTIFICATION OF ARCHAEOLOGICAL FEATURES AND MATERIAL FROM INLAND AREAS: guidelines and procedures for developers**

### **Human skeletal material**

Human remains, whether the complete remains of an individual buried during the past, or scattered human remains resulting from disturbance of the grave, should be reported. In general the remains are buried in a flexed position on their sides, but are also found buried in a sitting position with a flat stone capping or in ceramic pots. Developers are requested to be on alert for these features and remains.

### **Freshwater mussel middens**

Freshwater mussels are found in the muddy banks of rivers and streams and were collected by people in the past as a food resource. Freshwater mussel shell middens are accumulations of mussel shell and are usually found close to rivers and streams. These shell middens frequently contain stone tools, pottery, bone, and occasionally human remains. Shell middens may be of various sizes and depths, but an accumulation which exceeds 1 m<sup>2</sup> in extent, should be reported to an archaeologist.

### **Fossil bone**

Fossil bones may be found embedded in deposits at the sites. Any concentrations of bones, whether fossilized or not, should be reported.

### **Stone artefacts**

These are difficult for the layman to identify. However, large accumulations of flaked stones which do not appear to have been disturbed naturally should be reported. If the stone tools are associated with bone remains, development should be halted immediately and archaeologist notified.

### **Stone features and platforms**

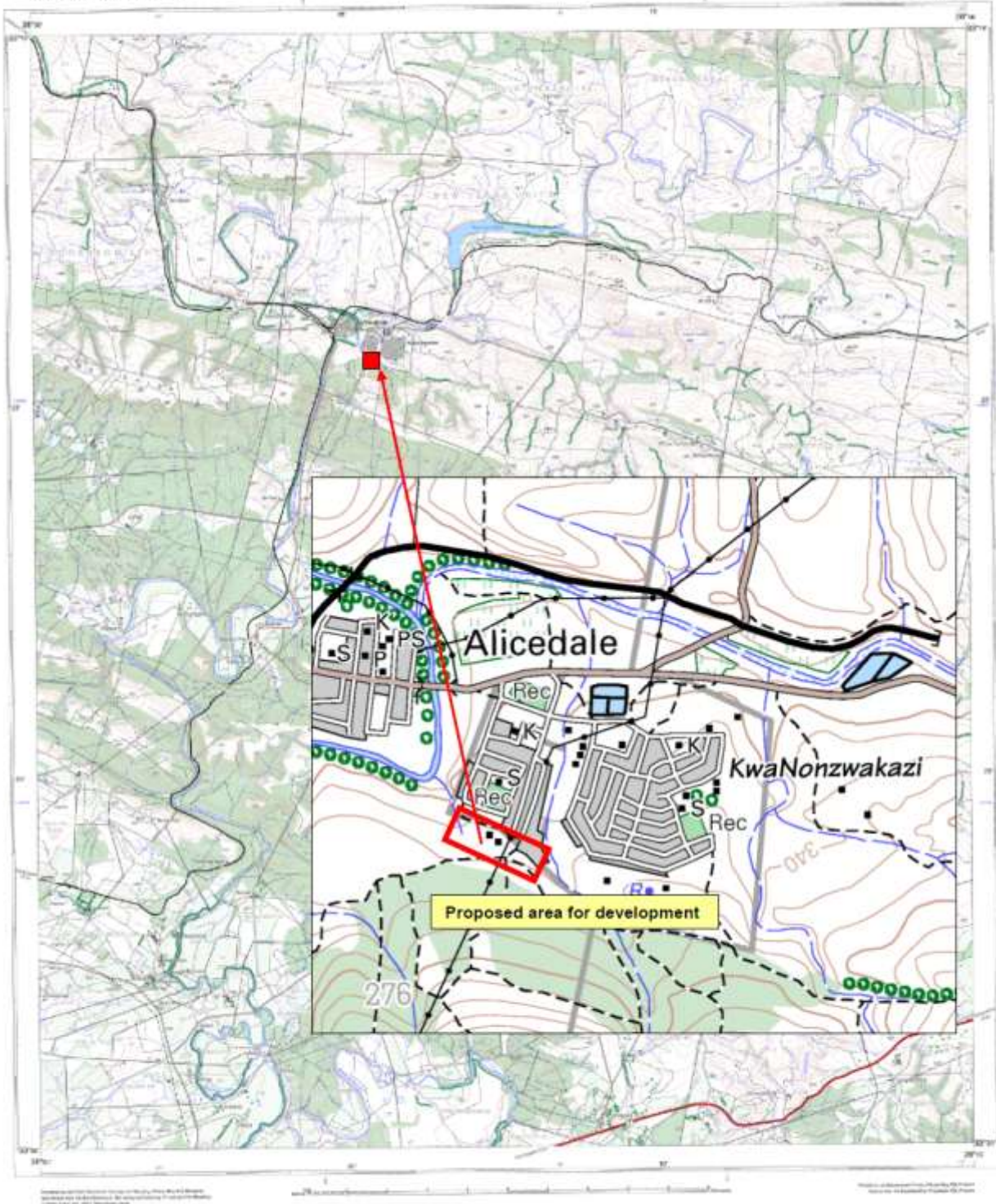
These occur in different forms and sizes, but easily identifiable. The most common are an accumulation of roughly circular fire cracked stones tightly spaced and filled in with charcoal. They are usually 1-2metres in diameter and may represent cooking platforms. Others may resemble circular single row cobble stone markers. These occur in different sizes and may be the remains of wind breaks or cooking shelters.

### **Large stone cairns**

The most common cairns consist of large piles of stones of different sizes and heights are known as *isisivane*. They are usually near river and mountain crossings. Their purpose and meaning is not fully understood, however, some are thought to represent burial cairns while others may have symbolic value.

### **Historical artefacts or features**

These are easy to identify and include foundations of buildings or other construction features and items from domestic and military activities.



Map 1. 1:50 000 Maps indicating the location for the proposed human settlement development.





Map 2. Aerial views of the location for the proposed human settlement development. The red lines mark the approximate size of the development.