

SCHAAP KRAAL ERF 494

Documentation:

Phase 1 AIA report

N.I.D

Scoping report

PHASE 1 ARCHAEOLOGICAL IMPACT
ASSESSMENT FOR PROPOSED ERF 494
SAND MINE – SCHAAP KRAAL, WYNBERG
MAGISTERIAL DISTRICT, CAPE TOWN

For

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27 JANUARY 2009

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EXECUTIVE SUMMARY

Atlantic Sands (Pty) Ltd requested a phase 1 archaeological impact assessment prior to the mining of a 21.41 hectare area of Schaap Kraal erf 494 in the Philippi Horticultural Area, Wynberg Magisterial District, Cape Town, in fulfillment of the requirements of Section 38 of the National Heritage Resources Act (No 25 of 1999).

No significant heritage resources that require mitigation or permit before development may take place were found. This report provides the necessary mapping, documentation and photographs of the proposed development area. It is recommended that the development of the proposed area go ahead provided that should any archaeological material be found during development (i.e. clearing of the area of ground cover, mining activities), the archaeologists should be notified immediately. All work must cease until an archaeologist determines the significance of the finds.

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1. BACKGROUND INFORMATION ON THE PROJECT

This AIA is part of an Environmental Impact Assessment to be submitted to Heritage Western Cape and as an annexure to DEA&DP. Atlantic Sands (Pty) Ltd (Mr RA du Toit, 021 976 8200 / 083 2526 730) intends to mine a 21.41 hectare area of Schaap Kraal, erf 494, in the Philippi Horticultural Area, Wynberg Magisterial District, Cape Town for sand. The totality of the property is shown on the 1:50 000 3418 BA Mitchell's Plain (Figure 1). Mining will take place in an area partly disturbed by prior agricultural or mining activities.

Legislation and terms of reference

The national legal framework for the protection and management of the cultural environment is the National Heritage Resources Act (NHRA) Act No. 25 of 1999, and also the legal and policy frameworks aimed at the protection of the environment, e.g. the Environment Conservation Act (ECA) (Act No. 73 of 1989) and associated EIA regulations and the National Environmental Management Act (NEMA) (Act No. 107 of 1998). Section 38 of the NHRA requires heritage assessments as a stand-alone or as a specialist component of the EIA process.

2. DESCRIPTION OF THE PROPERTY & METHODOLOGY

The property as recorded on the 1:50 000 3418 BA Mitchell's Plain map, (Figure 1), lies on the outskirts of the town Philippi. It can be accessed from the R300 onto Vanguard Drive, to access Brocsand from the Weltevreden Road.

A foot survey of the area of the proposed development was undertaken. An archaeologist traversed this area on foot for 3 hours on Tuesday 13 January. GPS readings were taken using a Garmin GPS eMap (map datum WGS84) with an accuracy of 3 meters. The ground is primarily sandy with grass cover (Figure 2 & 3). Dense alien vegetation occurs in places (Figure 4 & 5). Patches of Fynbos occur. The area is presently not utilized.

3. DESCRIPTION OF THE SITE

The area searched on this property are between polygon points 4A: 34° 02.629' S, 18° 33.376' E; 4B 34° 02.603' S, 18° 33.661' E; 4C: 34° 02.802' S, 18° 33.735' E 28m asl; 4D: 34° 02.874' S, 18° 33.462' E (as indicated in Figure 6). Highest sand dune, point of highest mining interest 34° 02.622' S, 18° 33.537' E 33m asl.

Due to the extensive ground cover (Figures 2, 3, 4 & 5) it is unclear whether any archaeological resources remain in this area.

4. STATEMENT OF SIGNIFICANCE

No sites of archaeological or palaeontological significance were identified on Erf 494. Previous archaeological and heritage assessments (Halkett & Hart 1997; Kaplan 2006a,b; 2005 a, b, c, d; 2002; 2001; Pether 2007) in the area have indicated little to no archaeological site of significance.

5. FIELD RATING

g) Generally Protected C: this site has been sufficiently recorded. It requires no further recording before destruction (generally Low significance).

6. RECOMMENDATIONS

Should any archaeological material be found during mining or rehabilitation of the property, the archaeologists should be notified immediately. All work must cease until an archaeologist determined the significance of the finds.

The guideline document concerning fossil recovery in the Witzand Formation (Pether 2007) should be made available to those responsible for the mining to inform them of the type of material which might be uncovered during mining operations.

7. REFERENCES

- Halkett, D. & Hart, T. 1997. Archaeological assessment of the proposed Cape Flats freeway extension. Report prepared for the Cape Flats Consortium. Archaeology Contracts Office. University of Cape Town.
- Kaplan, J. 2006a. Phase 1 Archaeological Impact Assessment Erf 560 Schaapkraal Philippi. Report prepared for Amathemba Environmental. Agency for Cultural Resource Management.
- Kaplan, J. 2006b. Phase 1 Archaeological Impact Assessment Erf 559 Schaapkraal Philippi. Report prepared for Amathemba Environmental. Agency for Cultural Resource Management.
- Kaplan, J. 2005a. Phase 1 Archaeological Impact Assessment Pelican Park Phase 2 and 3. Report prepared for Chand Environmental Scientists. Agency for Cultural Resource Management.

- Kaplan, J. 2005b. Phase 1 Archaeological Impact Assessment Erven 659, 660 and 661 Mitchells Plain. Report prepared for Melani Materials (Pty) Ltd. Agency for Cultural Resource Management.
- Kaplan, J. 2005c. Phase 1 Archaeological Impact Assessment proposed sand mining Erven 550 and 552 Philippi Cape Town. Report prepared for Amathemba Environmental. Agency for Cultural Resource Management.
- Kaplan, J. 2005d. Phase 1 Archaeological Impact Assessment proposed sand mining Erf 548 Philippi Cape Town. Report prepared for Amathemba Environmental. Agency for Cultural Resource Management.
- Kaplan, J. 2002. Phase 1 Archaeological Impact Assessment and Heritage Review the proposed N21 (R300) Cape Town Ring Road Toll Project. Report prepared for Chand Ecosense Joint Venture. Agency for Cultural Resource Management.
- Kaplan, J. 2001. Archaeological study Pelican Park Phase 1 Housing Development Zeekoevlei. Report prepared for Doug Jeffery Environmental Consultants. Agency for Cultural Resource Management.
- Pether J 2007. Fossils in Dunes: Palaeontology in the Witzand Formation – a general information document. Heritage Western Cape.

8. FIGURES

Figure 1: 1:50 000 3418 BA Mitchell's Plain & Location of proposed area for development

3418BA MITCHELLS PLAIN

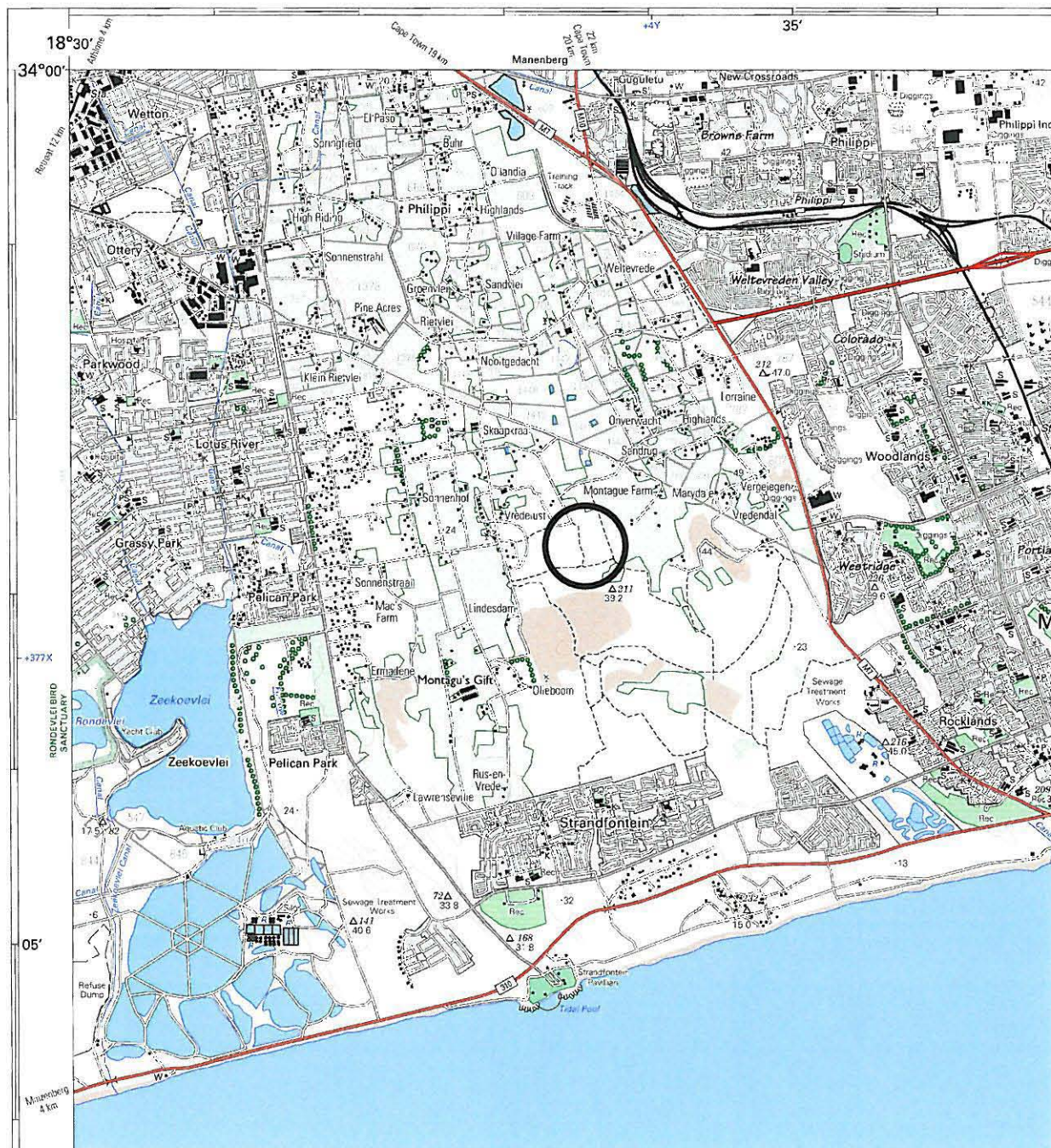


Figure 2: Ground cover



Figure 3: Ground cover



Figure 4: Ground cover



Figure 5: Ground Cover



Figure 6: Extent of survey



APPENDIX: FIELD RATING CRITERIA

(Minimum Standards, Heritage Western Cape, April 2006)

- a) National: This site is considered to be of Grade I significance and should be nominated as such.
- b) Provincial: This site is considered to be of Grade II significance and should be nominated as such.
- c) Local: this site is of Grade IIIA significance. Mitigation as part of the development process is not advised. The site should be retained as a heritage site (High significance).
- d) Local: this site is of Grade IIIB significance. It should be mitigated and (part) should be retained as a heritage site (High significance).
- e) Generally Protected A: this site should be mitigated before destruction (generally High/Medium significance).
- f) Generally Protected B: this site should be recorded before destruction (generally Medium significance).
- g) Generally Protected C: this site has been sufficiently recorded. It requires no further recording before destruction (generally Low significance).