PROPOSED PUBLIC ACCESS ROAD TO THE ARCHAEOLOGICAL STUDY PORT OF SALDANHA

Prepared for

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Ву

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EXECUTIVE SUMMARY

study of the proposed public access road to the port of Saldanha, on the Cape west ostrich eggshell, no significant archaeological or historical sites were located during a Apart from a handful of Middle Stone Age and Later Stone Age flakes, and a piece of

natural predation/scavenging by seagulls. southern end of the proposed road. These shell scatters are most likely related to were located around the site of the proposed administration building, as well as at the Large numbers of widely scattered, whole and fragmented white and black mussel shell

implementation of the project is considered to be low to negligible. probability of locating significant surface archaeological sites during

modern human behaviour development during the Middle Stone Age in Saldanha Bay. the sedimentary, chronological, palaeoenvironmental and palaeoecological context of that such fossil and archaeological occurrences are valuable sources of information on Limestone (calcrete) deposits, in the southern portion of the site. It is well established uncover important vertebrate fossils and archaeological occurrences in the Langebaan foundations for the proposed administration building, may, however, Construction of the proposed road, and the excavation of service trenches and

proposed access road may also expose human burial remains Removal or modification of the low vegetated dunes at the southern end of the

The following archaeological recommendations are proposed

- the proposed public access road and administration building An archaeological monitoring plan should be implemented during construction of
- encountered will need to be developed and applied Should excavations intend to penetrate the limestone or associated sediments on appropriate strategies aimed at sampling the fossils that might be
- proposed administration building focusing specifically on deep excavations for trenches, and foundations for the Scheduled visits to take place during the construction phase of the project,
- Monitoring of dune modification
- likelihood of such remains being uncovered during the construction phase of the archaeologist. implementation of the project should immediately be reported to a professional archaeological, Contractors fossil and workers should therefore be informed or human burial remains uncovered during

1. INTRODUCTION

1.1 Background and brief

proposed public access road to the port of Saldanha Bay on the Cape west coast. Crowther Campbell and Associates to undertake a baseline archaeological study of the Agency for Cultural Resource Management (ACRM) has been requested by

of the proposed project and to propose measures to mitigate against the impact historical sites that may be impacted by the planning, construction and implementation The aim of the archaeological study is to locate, identify and map archaeological or

2. TERMS OF REFERENCE

The terms of reference for the archaeological and historical study were:

- surrounding area; provide a brief description of the archaeological history of the site and
- of significance on the site; to determine whether there are any likely to be any archaeological or historical sites
- to identify and map any sites of archaeological and/or cultural significance;
- development, and 4. to assess the status and significance of any impacts resulting from the proposed
- and historical sites may exist. 5. to identify mitigatory measures to protect and maintain any valuable archaeological

3. THE STUDY SITE

The study site for the proposed public access road to the port of Saldanha is illustrated

site for a new administration building. across the ISCOR and PORTNET-owned land. The study also included the proposed The focus of the study was on the proposed access road, including the 45 m corridor

spaces occurring in places. The site is relatively undisturbed. Archaeological visibility is The section of the road across the ISCOR land is reasonably well vegetated, with open

The section of the road across the PORTNET land which includes the proposed Archaeological visibility is high. building S scarred and eroded, with some vegetation

4. STUDY APPROACH AND DOCUMENTATION OF ARCHAEOLOGICAL

4.1 Method of survey.

building (Figure 1). the proposed road (including the 45 m corridor) and the proposed administration The approach followed in the archaeological study entailed a detailed foot survey of

the surrounding area was also undertaken. In addition to the field study, a brief review of the archaeology and cultural history of

behind the Portnet Mariculture Ponds (Kaplan 1994). scraper were also found amongst consolidated calcrete sediments on older red sands survey of the Spreeuwal Dunes (Kaplan 1994). Middle Stone Age flakes and a mussel level concentrations of archaeological remains were, however, recorded during a Recording Centre, no archaeological sites have been recorded in the study area. Low According to the records of the South African Museum Archaeological Data

5. A REGIONAL ARCHAEOLOGICAL AND HISTORICAL OVERVIEW

mapped (Kaplan 1993). area has been well established, where more than 400 sites have been recorded and The archaeological significance of the Vredenburg/Saldanha Bay/Langebaan (VSL)

finds was rated low. As a result no mitigation was required. Age² implements in mostly disturbed contexts. The archaeological significance of these material, however, included finds of only a few Middle Stone Age1 and Later Stone kilometre radius of the proposed public access road to the port of Saldanha. The Duferco Steel Project (Kaplan 1997c). These projects were all located within a 2 1997a), the proposed Salamander Cove Project (Kaplan 1997b), and the proposed Project (SSP) (Kaplan 1994), the proposed Alpha Saldanha Cement Project (Kaplan Archaeological remains were located during studies for the proposed Saldanha Steel

Strandveld during this time (Kaplan 1996). out on the SSP site. Test excavations also shed light on the early history of the buttons and other cultural artefacts from a shepherd's hut (veewagterhuis) was carried A surface collection of late nineteenth to early twentieth century glass, ceramics, bone,

behaviour during he Middle Stone Age and perhaps even the Early Stone Age3 palaeoenvironmental and palaeoecological context of the development of Langebaan Limestone Formations (calcareous) and associated deposits are extremely It is also well established that vertebrate fossils and archaeological occurrences in the Sources of information 01 the sedimentary, chronological

A term referring to the period between 200 000 and 20 000 years ago.

A term referring to the last 20 000 years of pre colonial history in southern Africa

A term referring to the period between 2 million and 200 000 years ago.

associated deposits will "potentially impact on Pleistocene archaeological remains" Referring to the Alpha Saldanha Cement Project, Avery (1997:1) has argued that excavation of any kind in establishing infrastructure in the Langebaan Limestone and

development of modern human behaviour. coastal resources. These will contribute significantly to evidence concerning the Bay have provided recovery of human remains from hyena lairs in the Langebaan Limestone at Saldanha According to Avery (1997), Middle Pleistocene archaeological occurrences and the some of the earliest evidence we have or human exploitation of

excavations for descaling pits (Roberts 1997b). about 5 million years ago, Earthworks by SSP also exposed important fossil remains from the Miocene period potential of the VSL area, generated primarily from the limestone deposits in the area. Roberts (1997a) has also demonstrated the significant palaeontological from deposits underlying calcareous formations

6. RESULTS OF THE IMPACT ASSESSMENT

during the study of the proposed access road across the ISCOR-owned land. A few Middle Stone Age (MSA) flakes and a piece of ostrich eggshell were found

MSA and Later Stone Age flakes were also found during the study of the proposed access road across the PORTNET-owned land, which included a study of the proposed administration building (Figure 1).

related to natural predation/scavenging by seagulls. southern end of the proposed road. These concentrations are, however, most likely were located around the site of the proposed administration building, as well as at the Large numbers of widely scattered, whole and fragmented white and black mussel shell

7. IMPACT ASSESSMENT AND DESCRIPTION

Impact assessment and description is illustrated in Tables 1 and 2

8. IMPACT STATEMENT

be low to negligible. proposed access road through this land on surface archaeological sites is considered to vegetated and undisturbed, with open spaces appearing in places. The impact of the The northern portion of the study site (on the ISCOR-owned land) is reasonably well

archaeological sites on this land is also considered to be low to negligible eroded. The impact of the proposed access road and administration building on surface The southern portion of the study site (on the PORTNET-owned land) is scarred and

however, expose or uncover important vertebrate fossil or archaeological remains. Excavations into the limestone (calcrete) and associated deposits on the site may,

burial remains access road near the PORTNET mariculture pond, may also uncover or disturb human Removal or modification of the vegetated dunes at the lower-end of the proposed

PERSUATION

permit from the National Monuments Council. the National Monuments Act (Act No. 28 of 1969 as amended). It is an offence to All archaeological and palaeontological sites, including human burials are protected by remove or destroy from its original site, or excavate any such site without a

Human burial remains are also protected under the Human Tissues Act

10 RECOMMENDATIONS

recommendations are made Saldanha, including the proposed administration building, the following archaeological With regard to the proposed construction of the public access road to the port of

- the proposed public access road and administration building An archaeological monitoring plan should be implemented during construction of
- need to be developed and applied 2. Should excavations intend to penetrate the limestone or associated sediments on the appropriate strategies aimed at sampling the fossils that might be encountered will
- administration building specifically on deep excavations for trenches, and foundations for the proposed 3. Scheduled visits to take place during the construction phase of the project, focusing
- 4. Monitoring of dune modification should be carried out in case human burial remains
- of such remains being uncovered during construction. archaeologist. Contractors and workers should therefore be informed of the possibility implementation archaeological, of the project should immediately be reported to a fossil 07 human burial remains uncovered professional

Plan Committee The above recommendations are subject to the approval of the National Monuments

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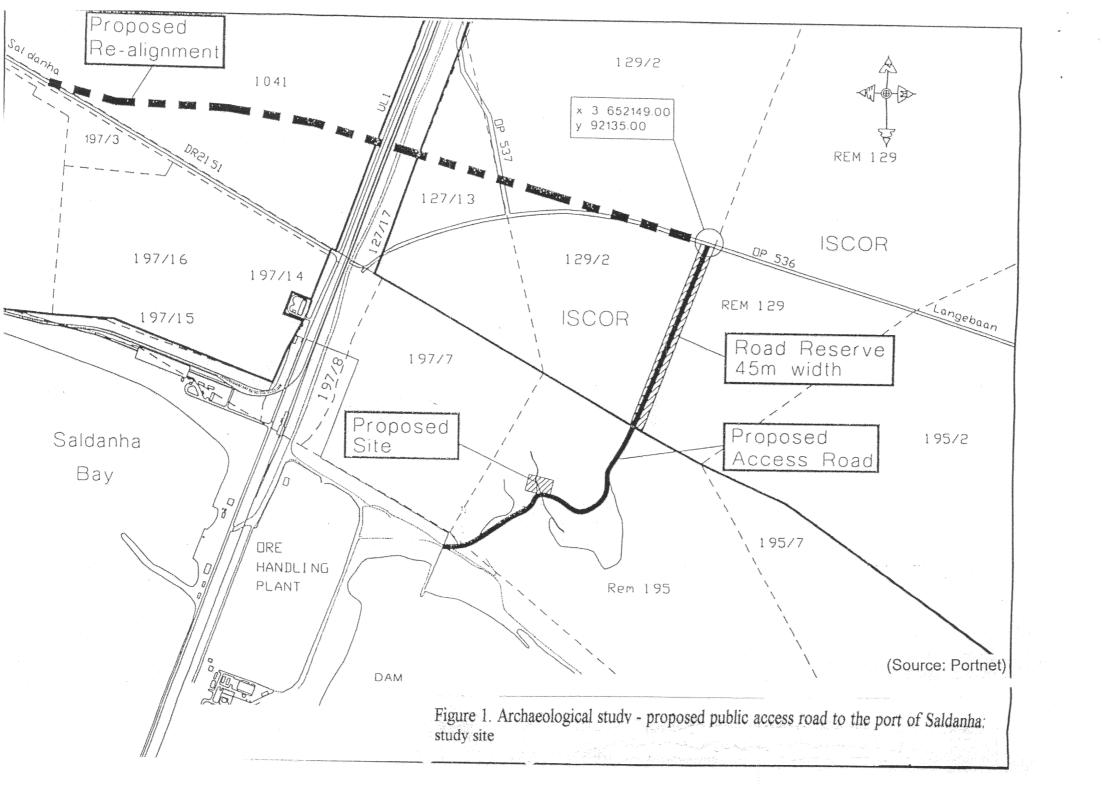
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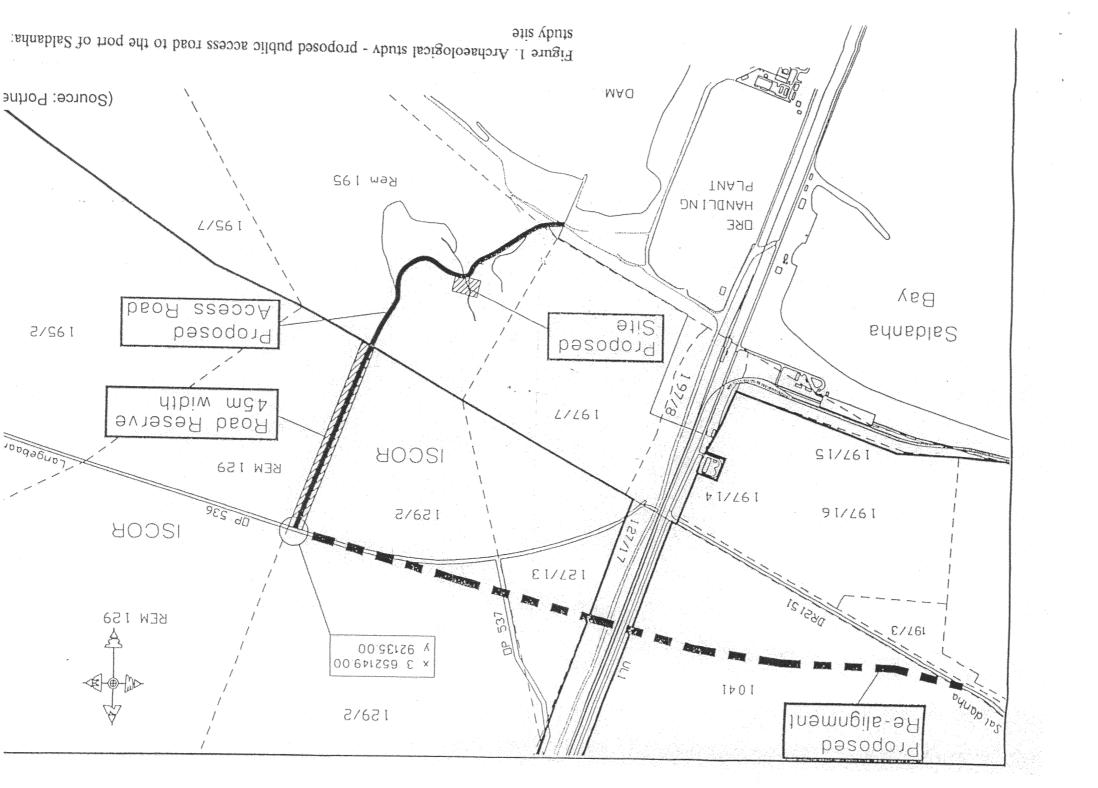
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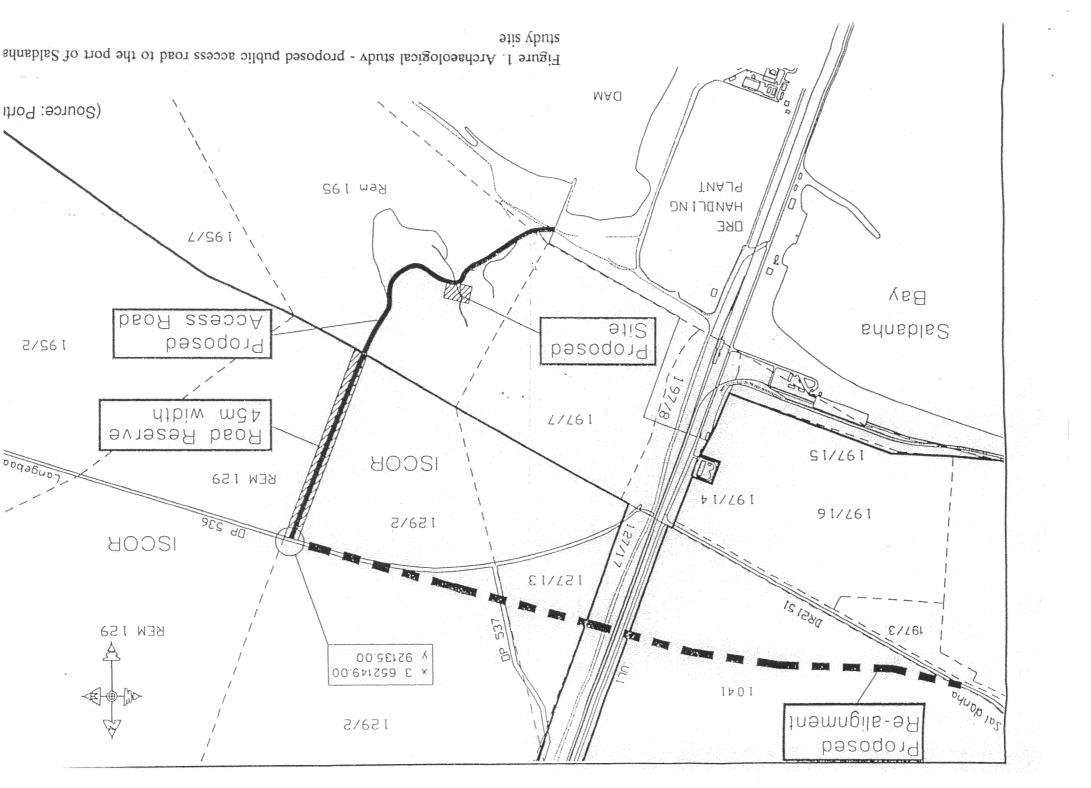
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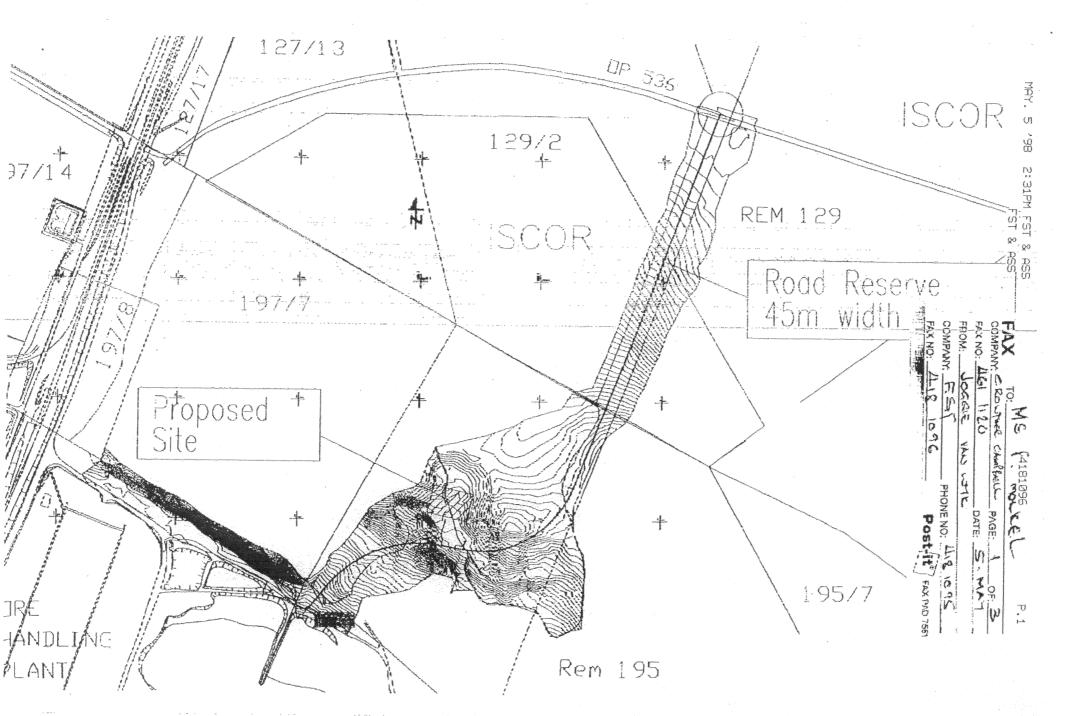
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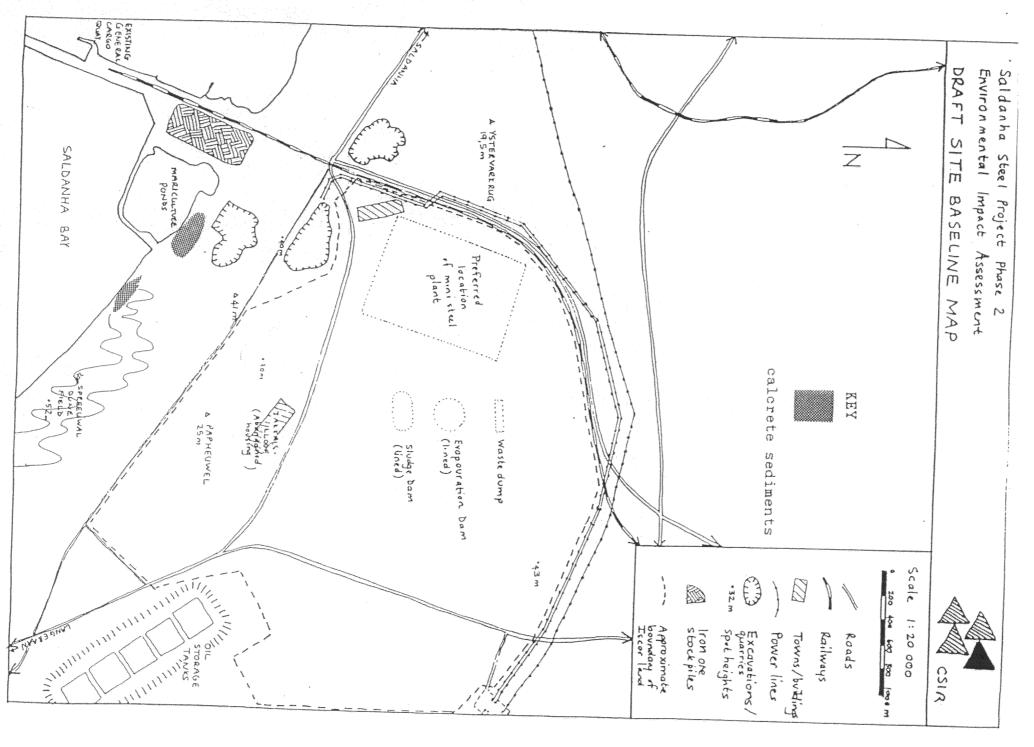


Figure 1. Saldanha Assessment -Steel Project Phase 2 Archaeological Study. Environmental

