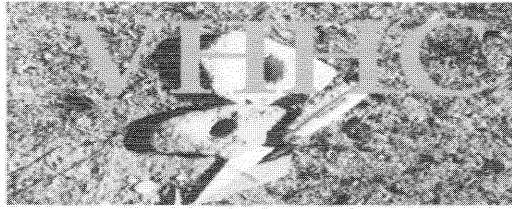


P O BOX 456
POLORWANE
LADABHA
0794



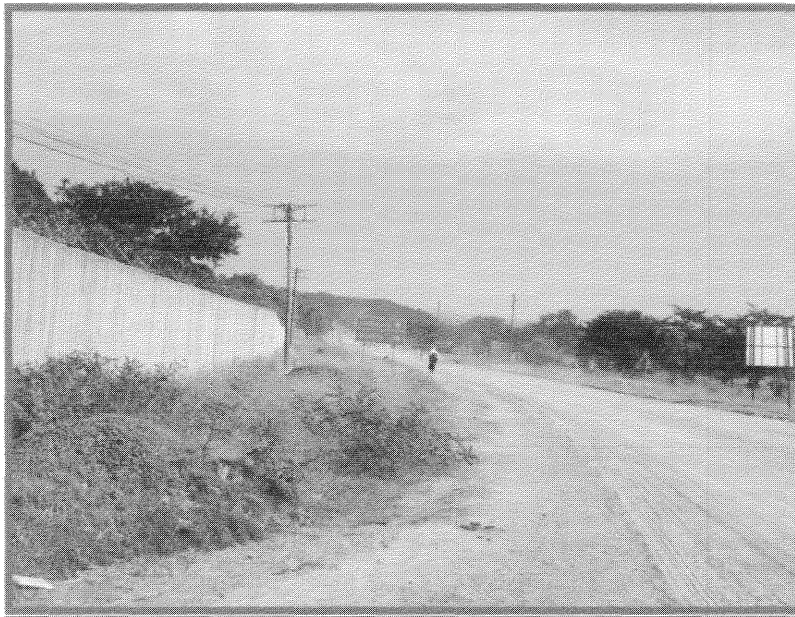
Tel: 015 293 2049
Fax: 015 293 2592
Cell: 083 357 3669/
083 770 2131

VHUFA HASHU HERITAGE CONSULTANTS CC

Registration No: 2006/119040/23

Tax Reference No: 9672996148

PHASE 1 HERITAGE IMPACT SPECIALIST STUDY



**PROPOSED EXTRACTION OF GRAVEL
MATERIAL FROM SIX BORROW PIT SITES
ASSOCIATED WITH THE UPGRADING OF THE
ROAD FROM TSIMANYANA TO MATLALA
VILLAGE, LIMPOPO PROVINCE.**

**Compiled for: LENTAG INTEGRATED CONSULTING
Thohoyandou
Tel: 015 962 1262**

TABLE OF CONTENTS

1	INTRODUCTION	3
1.1	HISTORICAL REMAINS	4
1.2	ARCHAEOLOGICAL REMAINS	4
1.3	BURIAL GROUNDS AND GRAVES	4
1.4	CULTURE RESOURCE MANAGEMENT	4
2	METHOD	5
2.2	CATEGORIES OF SIGNIFICANCE	5
3	TERMINOLOGY	7
4	DESCRIPTION AND LOCATION OF THE BORROW PIT SITES.....	7
5	CEMETERIES AND BURIAL SITES.....	9
6	RECOMMENDATIONS.....	9
7	CONCLUSION	10
8	REFERENCE	10

1 INTRODUCTION

This Cultural Heritage Assessment study was conducted to fulfill the requirements of the National Heritage Resources Act, Act 25 of 1999 Section 38. It was commissioned by Lentag Integrated Consulting, as part of the Environmental Impact Assessment (EIA) for borrow pits associated with the proposed upgrade of Tsimanyana to Matlala village road. The study focus on identifying and assessing possible impact on archaeological, cultural, and historical heritage resources associated within the proposed road upgrade borrow pits' receiving environment.

The field survey covered two (6) borrow pit sites. No archaeological heritage sites or any other category of cultural heritage sites were identified on the proposed borrow pit sites. However, there is a possibility of encountering archaeological materials underground during the use of the borrow pits. As such, we recommend that a heritage-monitoring program be designed to deal with potential chance archaeological or historical finds that may accidentally be found during the use of the borrow pits.

If the recommendations herein are accepted, there would be no archaeological or cultural heritage resources barriers to the proposed use of the identified borrow pits as sources of road construction materials.

The Project proposal constitutes an activity, which may potentially be harmful to heritage resources that may occur in the demarcated area. The National Heritage Resources Act (NHRA - Act No. 25 of 1999) protects all structures and features older than 60 years (section 34), archaeological sites and material (section 35) and graves and burial sites (section 36). In order to comply with the legislation, the Applicant requires information on the heritage resources, and their significance that occur in the demarcated area. This will enable the Applicant to take pro-active measures to limit the adverse effects that the borrow pit excavations could have on such heritage resources. In terms of the National Heritage Resources Act (1999) the following is of relevance:

1.1 Historical remains

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.

1.2 Archaeological remains

Section 35(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 meteorite¹

1.3 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, 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
- ❖ bring onto or use at a burial ground or grave referred above ,any excavation equipment, or any equipment which assists in detection or recovery of metals.

1.4 Culture resource management

Section 38(1) Subject to the provisions of subsection (7), (8) and (9), any person who intends to undertake a development* ...

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

This Archaeological Impact Assessment report provides an overview of the heritage resources that may occur in the demarcated area where the borrow pit site is located.

2 METHOD

2.1 Sources of information

The sources of information were the field reconnaissance and literary sources mentioned below.

Scoping surveys of the affected area for borrow pit site was undertaken on foot, standard archaeological practices for observation were followed. As most archaeological material occur in single or multiple stratified layers beneath the soil surface, special attention was given to previous disturbances, as well as those made by natural agents such as burrowing animals and erosion.

2.2 Categories of significance

The proposed project area is situated in Greater Marble Hall Local Municipality, Sekhukhune District Municipality, Limpopo Province. Six (6) proposed borrow pits; have been identified as possible sources of road construction gravel material. As part of the Environmental Impact Assessment study, Lentag Integrated Consulting retained Vhufa Hashu Heritage Consultants (VHHC) to conduct the Cultural Heritage Assessment study for the same. Aims and terms of reference of the study are summarized in Table 1 below.

The significance of archaeological sites is ranked into the following categories (see table 1)

<ul style="list-style-type: none">❖ No significance: sites that do not require mitigation.❖ Low significance: sites, which may require mitigation.❖ Medium significance: sites, which require mitigation.❖ High significance: sites, which must not be disturbed at all.

Table 1

The significance of an archaeological site is based on the amount of deposit, the integrity of the context, the kind of deposit and the potential to help answer present research questions. Historical structures are defined by Section 34 of the National Heritage Resources Act, 1999, while other historical and cultural significant sites, places and features, are generally determined by community preferences.

A crucial aspect in determining the significance and protection status of a heritage resource is often whether or not the sustainable social and economic benefits of a proposed development outweigh the conservation issues at stake. There are many aspects that must be taken into consideration when determining significance, such as rarity, national significance, scientific importance, cultural and religious significance, and not least, community preferences. When, for whatever reason the protection of a heritage site is not deemed necessary or practical, its research potential must be assessed and mitigated in order to gain data / information which would otherwise be lost. Such sites must be adequately recorded and sampled before being destroyed. These are generally sites graded as of low or medium significance.

3 TERMINOLOGY

The following aspects have direct bearing on the survey and the resulting report:

Archaeological means material remains resulting from human activities that are in a state of disuse and are on land and are older than 60 years, including artifacts, human and hominid remains and artificial features.

Conservation, in relation to heritage resources, includes protection, maintenance, preservation and sustainable use of places or objects so as to safeguard their cultural significance.

Cultural Significance means possessing historical, archaeological, architectural, technological, aesthetic, scientific, spiritual, social, and traditional or other special cultural significance associated with human activity.

Development means any physical intervention, excavation or action, other than those caused by natural forces, which may in the opinion of heritage authority in any way result in a change of the nature, appearance or physical nature of a place or influence its stability and future well-being, including construction, alteration, demolition, removal or change of use of the place.

Heritage site means a place declared to be a National Heritage Site by the SAHRA or a place declared to be a Provincial Heritage Site by a Provincial Heritage Authority.

Historic means significance in history.

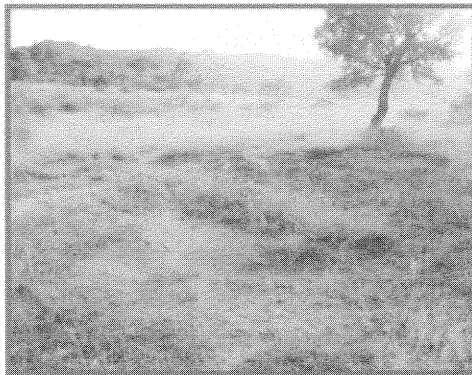
Historical means belonging to the past.

4 DESCRIPTION AND LOCATION OF THE BORROW PIT SITES

The identified borrow pit sites associated with the upgrading of road from The Tsimanyana-Matlala situated along the proposed road for development. No

heritage resources, or any archaeological materials, were identified within the vicinity of the borrow pit sites.

Figure 1&2 View of borrow pit 5&6



GPS S24 50'43.0"E29 31'26.8"

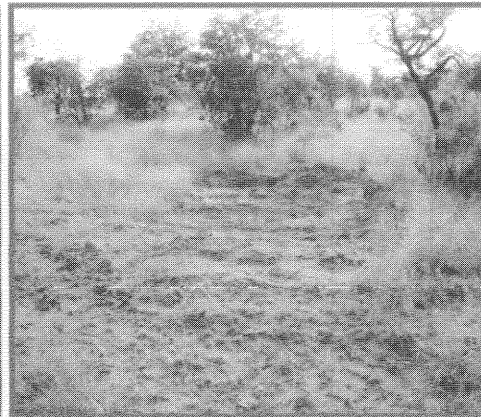


GPS S24 49'25.3"E29 29'17.5"

Figure 3&4: Borrow pit 3&4



GPS S24 51'34.7"E29 33'29.2"



GPS S24 50'43.8"E29 32'56.9"

Figure 5&6: Borrow pit 1&2



GPS S24 52'19.0"E29 34'44.5"

GPS S24 54'01.8"E29 35'20.6"

5 CEMETERIES AND BURIAL SITES

No signs of burial grounds or any other heritage resources such as archaeological sites and historical remains were found that would be significantly impacted on by the proposed extraction of gravel materials from the identified borrow pits. However, there is a probability of encountering chance finds during earth-moving activities.

Therefore, the discovery of previously undetected subsurface heritage remains on the site during extraction of gravel material must be reported to the South African Heritage Resources Agency (SAHRA) or the archaeologist, and may require further mitigation measures.

6 RECOMMENDATIONS

We recommend that the South African Heritage Resources Agency should be notified if human remains falling under the National Heritage Resources Act (Act No 25 of 1999) are accidentally uncovered during the use of the identified borrow pit.

7 CONCLUSION

No historically significant sites that are protected by the National Heritage Resources Act 25 of 1999 would be affected by the continuation of excavating the borrow pit site for gravel material. In conclusion we recommend that if unmarked human burials are discovered during borrow pit excavation; they should be relocated to the formal graveyard. The removal must be conducted with due respect for the customs and beliefs of the affected relatives, and where requested, in the presence of relatives or community representatives.

8 REFERENCE

The National Heritage Resources Act (Act No 25 of 1999)



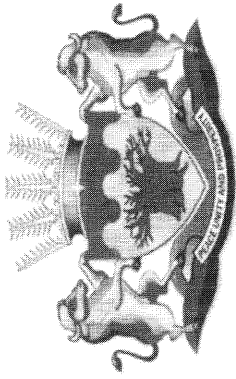
Mr Richard Munyai (*Archaeology Hons Cand Univen, BA Archaeology 2000 Univen*)

It is herewith confirmed that the above is a reliable account of the status of the Heritage Resources.



Mr Frans Roodt (*BA Hons, MA Archaeology, Post Grad. Dip. Museology; UP*) *Principal Investigator.*

Topographical Map

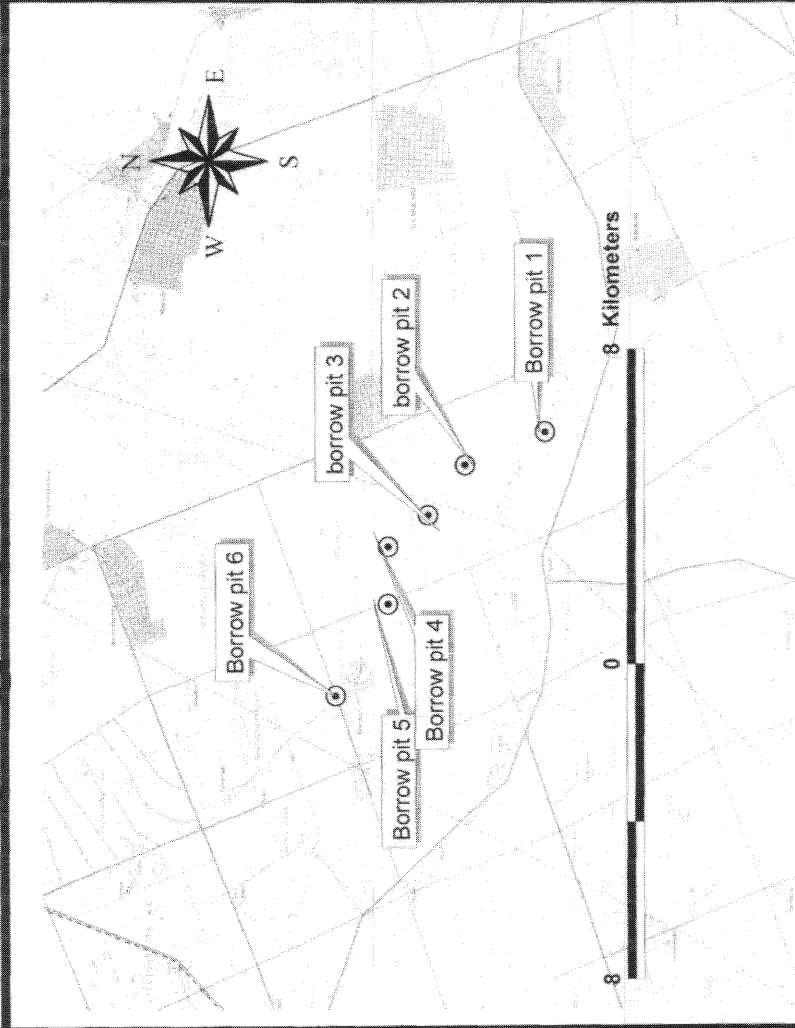


Prepared for
VHHC

Upgrading Road from
Tsimanyana to Matlala

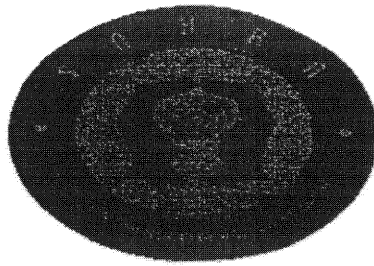
Scale 1:40 000

Date : April 2008



Appendix D

COMMENTS FROM SAHARA



SOUTH AFRICAN HERITAGE RESOURCES AGENCY

25 Jorissen Street, Cnr Biccard & Jorissen, POLOKWANE, 0700
TEL: 015 291 1804, 015 291 1885; FAX: 015 291 1819

Our Ref: 1/2/1/3/236/P

Your Ref:

Enq: K. LITHOLE

Ant: MR. RICHARD MUNYAI

Date: 11/04/2008

Company: VHUFA HASHU HERITAGE CONSULTANTS cc.

RE: PROPOSED EXTRACTION OF GRAVEL MATERIAL FROM SIX BORROW PIT SITES ASSOCIATED WITH THE UPGRADING OF THE ROAD FROM TSIMANYANA TO MATLALA VILLAGE, LIMPOPO PROVINCE.

We refer to your application for the above-mentioned project.

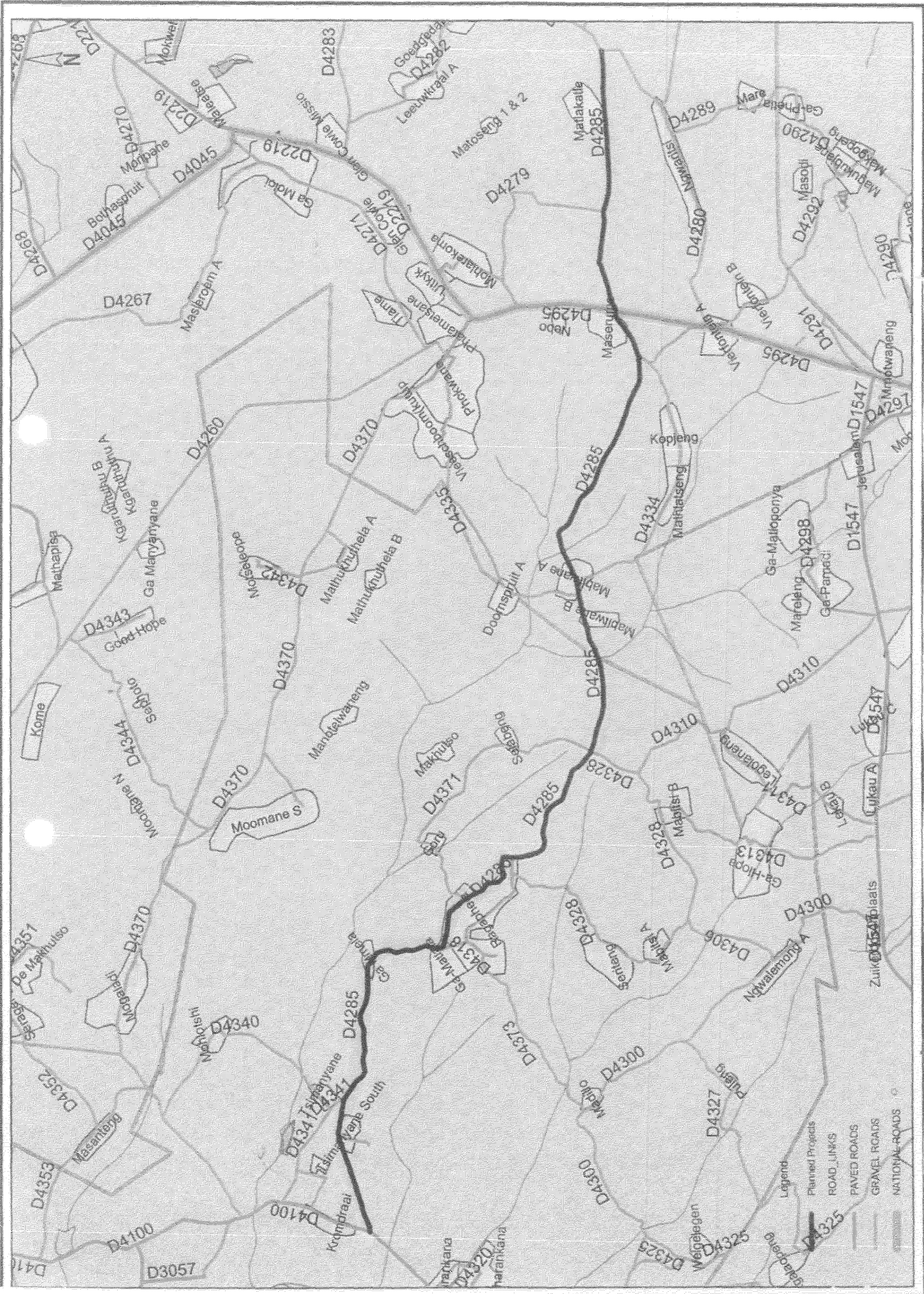
Please note that as from the heritage management point of view, the SAHRA finds nothing to object the proposed development. This letter is issued without any alterations and it only caters for the area mentioned in the notification. We also recommend that should you during the development uncover items of heritage significance, and then the SAHRA must be informed immediately while all the activities are placed on hold.

We would like to thank you in advance for the adherence shown to our previous correspondence.


.....
S.J. CHAUKE: SAHRA LIMPOPO

Appendix E

LOCALITY MAP



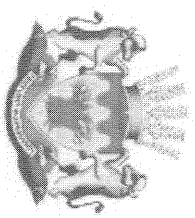
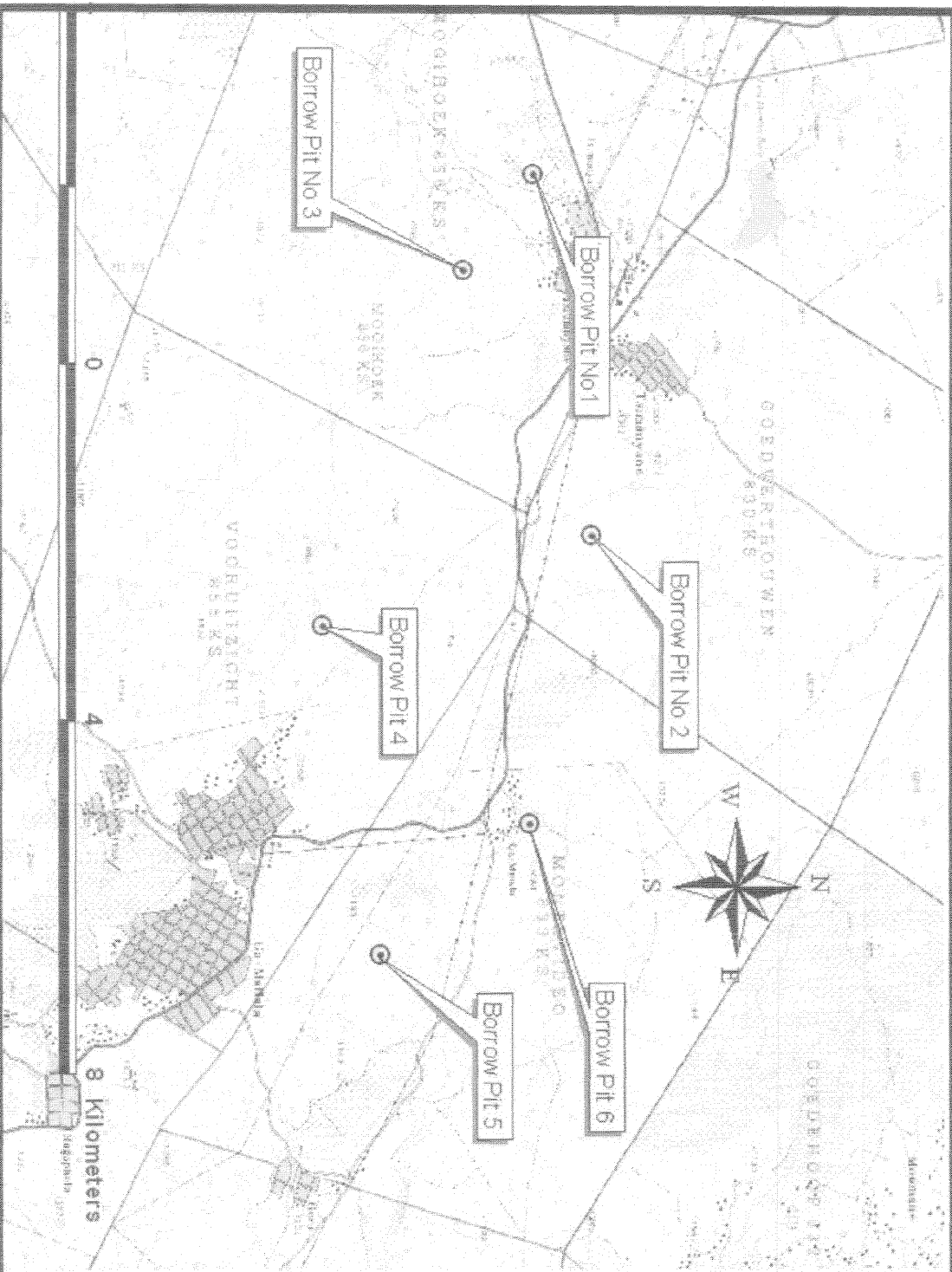
D4285

T533

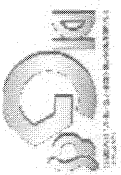
Appendix F

TOPOGRAPHICAL MAP

Topographical Map

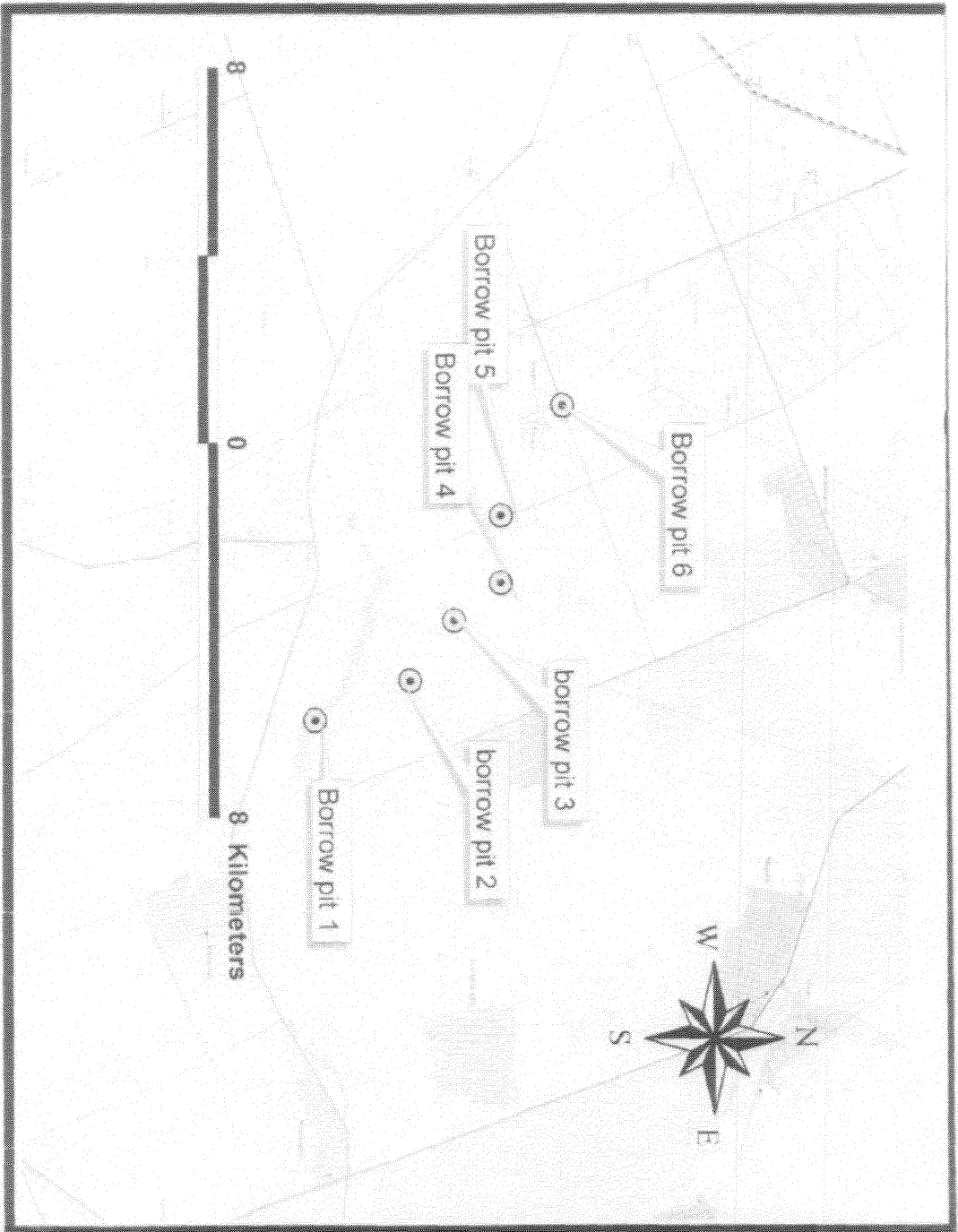


Prepared By



Prepared
For
Lentag

Scale 1 : 50 000
Date : June 2008



Borrow pit no 4



GPS S24°50'43.8"E29°32'56.9"