



COBUS DREYER
Pr. Archaeologist/Heritage Specialist

P.O. Box 12910
BRANDHOF 9324
Bloemfontein
dreyerj@telkomsa.net

Tel: 051-444 1187
Fax: 051-444 4395
Cell: 083 357 7982

12 DECEMBER 2006

**FIRST PHASE ARCHAEOLOGICAL AND CULTURAL HERITAGE
ASSESSMENT OF THE PROPOSED BORROW PIT SITES ON THE
KGALAGADI ACCESS ROAD BETWEEN ASKHAM &
TWEE RIVIEREN, NORTHERN CAPE**

EXECUTIVE SUMMARY

Seven borrow pits were investigated along the road between Askham and Tweerivieren, Northern Cape.

Most of the developments will be extensions of existing borrow pits, which contain no cultural or historic material.

I recommend that the proposed developments and planning of the sites may proceed.

INTRODUCTION AND DESCRIPTION

INVESTIGATION

Seven borrow pit sites along the R360 road between Askham and Tweerivieren, Northern Cape, were visited on 2 November 2006. Dr Johan du Preez of MDA Environmental Consultants took me to the sites.

The area was examined for possible archaeological and historical material and to establish the potential impact on any cultural material that might be found. The Heritage Impact Assessment (HIA) is done in terms of the National Heritage Resources Act (NHRA), (25 of 1999) and under the Environmental Conservation Act, (73 of 1989).

LOCALITY

Seven borrow pits were investigated along the R360 road between Askham and Tweerivieren, Northern Cape (Map 1). For most part, the R360 road between Askham and Tweerivieren (Fig.15) runs along the bed of the Nossob River, which marks the international borderline with Botswana (Fig.16).

GPS coordinates (Cape scale) are given below:

BP 1 at Km 13 located on the farm Mierhooppan 120. The developments will be an extension of an existing borrow pit (Figs.1-3). The deposit consists of sterile red sand on top of a calcrete layer.

26°50'17"S 020°39'51"E Altitude 849m.

BP 1b Km 13,9 located on the farm Mierhooppan 120. The site will be an extension of the existing quarry (Fig.4).

26°50'12"S 020°39'38"E Altitude 849m.

BP 2 Km 27,8 located on the farm Mier 585. The site contains an existing quarry (Figs.5-6).

26°44'20"S 020°37'48"E Altitude 855m.

BP 3 Km 30 located on the farm Mier 585. The site contains an existing quarry (Fig.7).

26°43'12"S 020°37'35"E Altitude 852m.

BP 4 Km 36,5 located on the farm Mier 585. The site contains an existing quarry (Figs.9-10).

26°40'11"S 020°37'34"E Altitude 857m.

BP 5 Km 41,5 located on the farm Mier 585. The site contains an existing quarry (Fig.11).

26°37'33"S 020°37'39"E Altitude 877m.

BP 6 Km 55 located on the farm Mier 585. The site contains an existing quarry (Fig.13).

26°30'36"S 020°36'20"E Altitude 865m.

RESULTS

All the sites visited contained existing borrow pits. The soil deposit in the area consists of sterile red sand on top of a calcrete layer. The investigation did not produce any stone flakes or other cultural or historical material.

Graves were found near BP 3 (Fig.8), BP 5 (Fig.12) and BP 6 (Fig.14). The graves are in a well-kept state with fencing in cases of BP3 and BP 6.

IMPACT ASSESSMENT

The proposed developments along the R360 road between Askham and Tweerivieren, will have no effect on any cultural or historical material.

The graves are not part of the proposed planning and will not be affected in any way.

RECOMMENDATIONS

There are no obvious reasons to delay the commencement of further planning and development of the borrow pits and I recommend that the work may proceed.

MITIGATION

Concerning the areas for the proposed developments, no mitigation measures will be required.

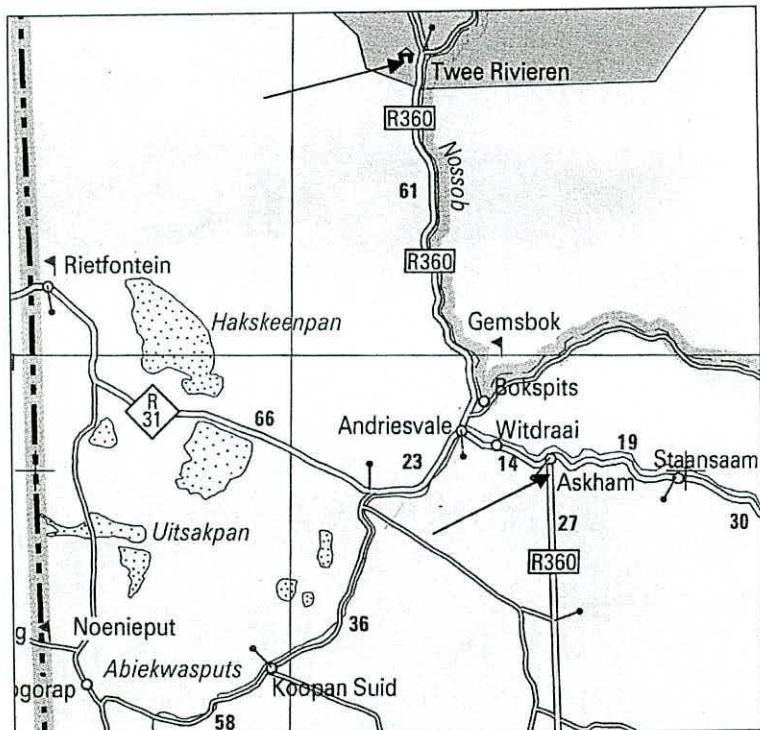
ACKNOWLEDGEMENTS

I thank Dr Johan du Preez from MDA Environmental Consultants, Bloemfontein, for taking me to the site.

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LIST OF ILLUSTRATIONS



Map 1 The R360 road between Askham and Tweerivieren, Northern Cape.



Fig.1 BP 1 at Km 13, Mierhooppan 120.



Fig.2 BP 1 test pit.



Fig.3 BP 1 at Mierhooppan 120.



Fig.4 BP 1b extension at Km 13,9 Mierhooppan 120.

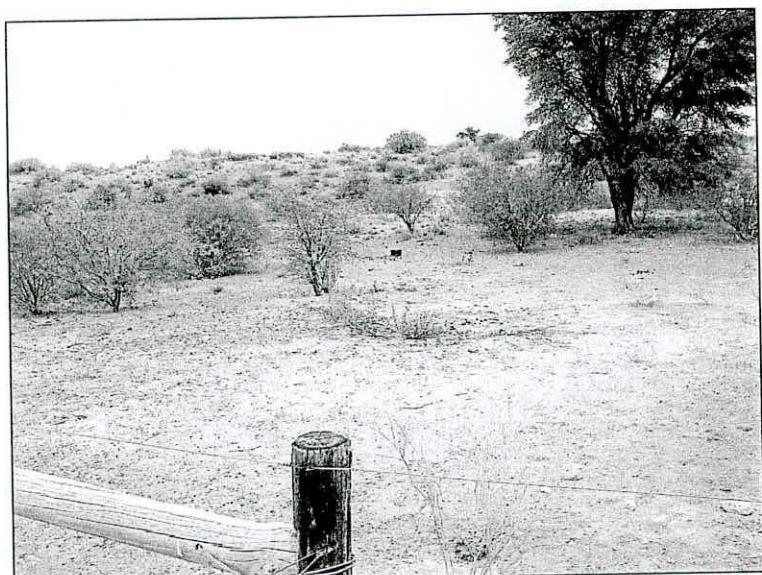


Fig.5 BP2 at Km 27,8 on Mier 585.

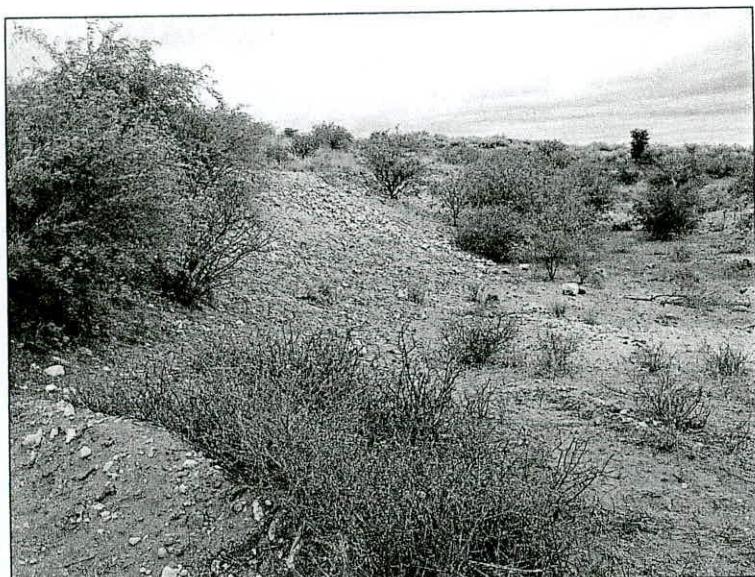


Fig.6 BP 2 Existing quarry at Km 27,8 on Mier 585.

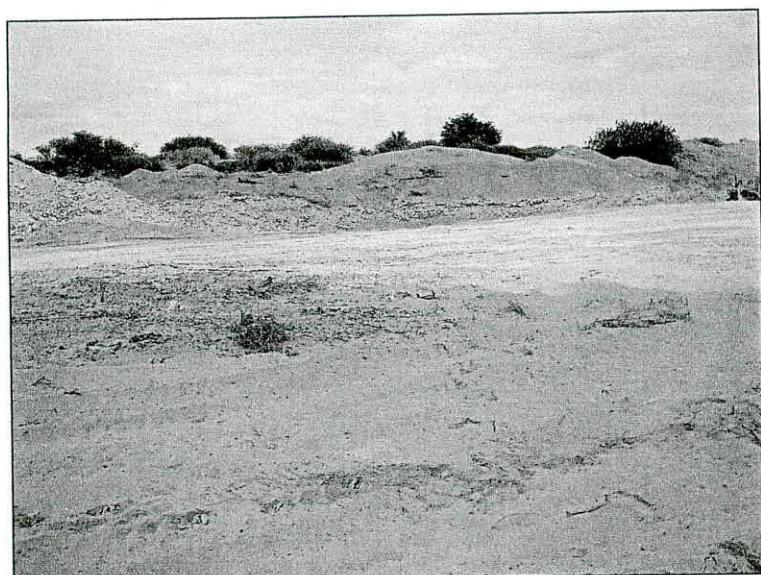


Fig.7 BP 3 at Km 30 on Mier 585.

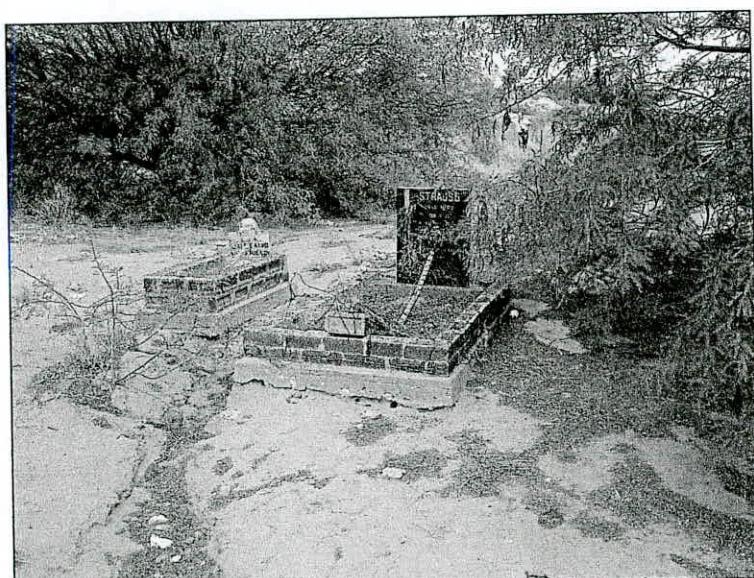


Fig.8 Graves near BP 3 at Km 30 on Mier 585



Fig.9 BP 4 at Km 36,5 on Mier 585.



Fig.10 BP 4 at Km 36,5 on Mier 585.



Fig.11 BP 5 at Km 41,5 on Mier 585.



Fig.12 Graves at BP 5 Km 41,5 on Mier 585.

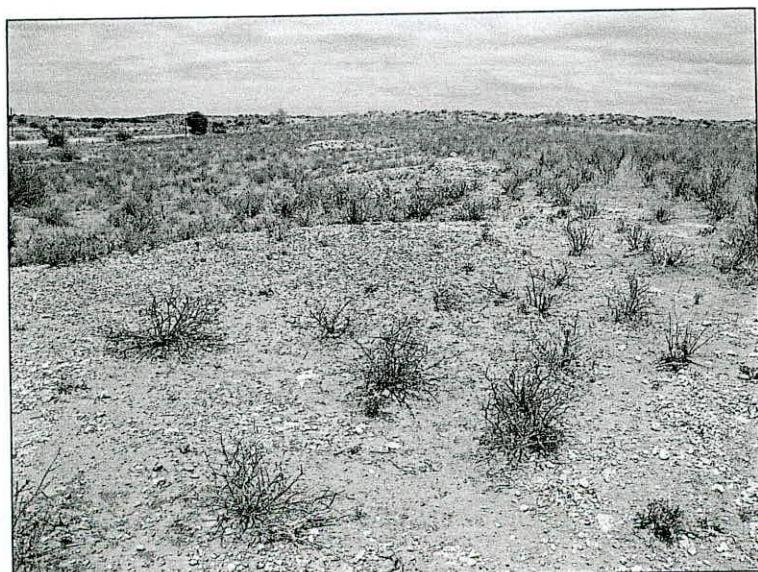


Fig.13 BP 6 at Km 55 on Mier 585.

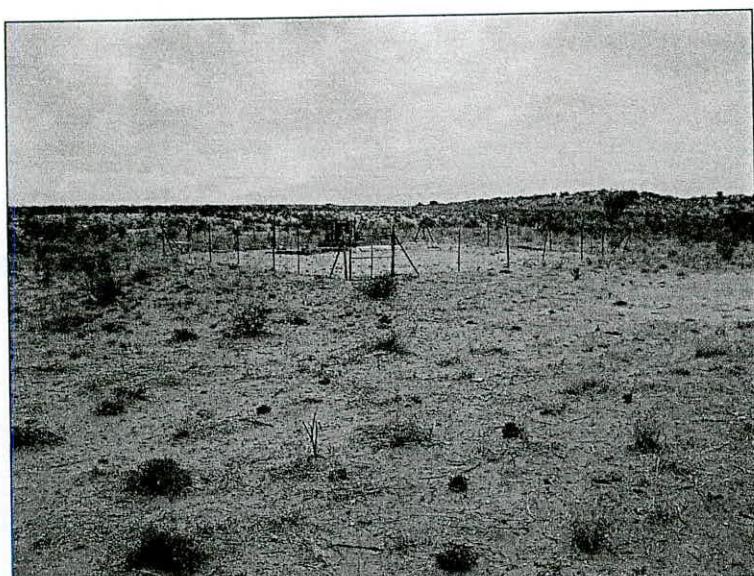


Fig.14 Graves at BP 6 by Km 55 on Mier 585



Fig.15 Kgalagadi Trans Frontier Park entrance at Tweerivieren.

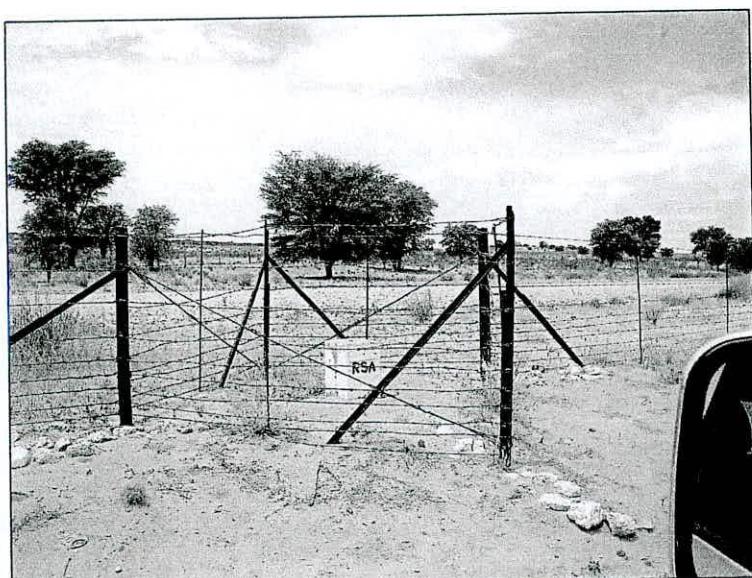


Fig.16 Border fence between South Africa and Botswana near Tweekrivielen.

ANNEXURE E

Title Deeds

Kučmíček

FOR INFORMATION
ONLY

OPGESTEL DEUR MY

Denny Judd

TRANSPORTBESORGER
VENTER APG

PROBLEMS
STUDY UNIT 1
KANSAS CITY RECO., INC.

DUPLIKATIE 'n juiste afbeelding van die duplike
DUPLICATED a true copy of the duplicate original is
vergelykbaar met die originele
versien van die registrasie. **ACT 47** | **37**

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REGISTRATION AND INDEXING
SECTION OF THE COUNCIL

2006-11-02

1486 1-2660

AKTE VAN TRANSPORT

HIERMEE WORD BEKEND GEMAAK:

DAT ANDRIES PETRUS GERBRAND VENTER
voor my REGISTRATEUR VAN AKTES te VRYBURG,
hy, die genoemde komparant, synde behoorlik daartoe gemagtig deur 'n Volmag aan hom verleen
deur :

PIETER STEYN CONRADIE
Identiteitsnummer: 510609 5016 002
Getroud buite gemeenskap van goedere

Gedateer die 26ste dag van MEI 1999 en geteken te THEUNISSEN

EN

2003-03-04

EN die genoemde Komparant het verklaar dat sy lasgewer waarlik en wettiglik die hiernavermelde eiendom verkoop het aan die hiernavermelde Transportnemer, op 26 MEI 1999 hy in sy voornmelde hoedanigheid hiermee sedeer en transporteer aan en ten gunste van:

DIE KHOMANI SAN VERENIGING VIR GEMEENSKAPLIKE EIENDOM
REGISTRASIONOMMER CPA/99/0146/A

sy Erfgename, Eksekuteurs, Administrateurs of Regverkrygendas in volle en vrye eiendom

1. RESTANT van die plaas MIERHOOP PAN 120; geleë in die Afdeling GORDONIA; Provincie NOORD-KAAP;

GROOT 9826,6438 (NEGE AGT TWEE SES KOMMA SES TWEE DRIE AGT) hektaar;

Aanvanklik geregistreer kragtens Sertifikaat van Gewysigde Titel by Vereniging nr 28/1941 met kaart wat daarop betrekking het en gehou kragtens Akte van Transport nr 450/1985;

ONDERHEWIG AAN:

- a. Die voorwaardes vervat in Grondbrief Nr. F.T. 1737 - G.O. 7/6 en in Kroongrondbrief Nr. 3/1941, Nr. V waarvan as volg lui:

V. "That the rights of the Proprietor shall not extend to any deposits of minerals or precious stones, which may at any time be or be discovered on the land hereby granted, and the right of mining for minerals or precious stones is reserved by the Government, under such regulations as were established by law at the date of annexation of British Bechuanaland, and subject to the Conditions mentioned in the Judgment of the Concession Court, dated 7th December, 1893."

ten opsigte waarvan Sertifikaat van Regte op Minerale Nr. 4/1941 uitgereik is aan die Regering van die Republiek van Suid-Afrika.

2. GEDEELTE 3 van die plaas UITKOMS 136; geleë in die Afdeling GORDONIA; Provincie NOORD-KAAP;

GROOT 599,5687 (VYF NEGE NEGE KOMMA VYF SES AGT SEWE) hektaar;

Aanvanklik oorgedra en gehou kragtens Akte van Transport Nr 228/1954 met Kaart Nr 6798/53 wat daarop betrekking het en gehou kragtens Transportakte T450/1985;

ONDERHEWIG AAN:

- a. Die voorwaardes vervat in Sertifikaat van Eenvormige Titel Nr. 476/1953, naamlik:

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- 3 -

(a) Behoudens die bepalings van die Wet op die ontginning van Voorbehoude Mineralen, 1926, en van die Wet op Edelgesteentes, 1927, soos gewysig, word alle regte op alle minerale, mineraal produkte, mineraalolies, steenkool, onedele of edele metale of edelgesteentes op of onder die grond deur die Regering voorbehou;

ten aansien waarvan Sertifikaat van Regte tot Minerale Nr. 16/1953 ten gunste van die Regering van die Republiek van Suid-Afrika uitgereik is.

(b) Dat die Regering, of enige geïnkorporeerde liggaam of persoon behoorlik daartoe deur die Regering gemagtig te eniger tyd die reg sal geniet om sonder vergoeding paaie, spoorlyne en spoorwegstasies te bou, telegraaflyne aan te lê en om materiaal vir die bou of herstel van paaie en spoorlyne van die bogemelde grond wat nie deur bewerking, besproeiing of andersins verbeter is nie, wet te neem.

3. GEDEELTE 1 (KOBA A) van die plaas KOOPAN NORTH 134; geleë in die Afdeling GORDONIA; Provincie NOORD-KAAP;

GROOT 62,0795 (SES TWEE KOMMA NUL SEWE NEGE VYF) hektaar;

Aanvanklik oorgedra kragtens Akte van Transport Nr 196/1939 met kaart wat daarop betrekking het gehou kragtens Akte van Transport Nr T450/1985;

ONDERHEWIG AAN:

a. Die voorwaardes vervat in Grondbrief Nr. F.T. 1733 - G.Q. 7/2, Nr. V waarvan as volg lui:-

V. "That the rights of the Proprietor shall not extend to any deposits of minerals or precious stones, which may at any time be or be discovered on the land hereby granted, and the right of mining for minerals or precious stones is reserved by the Government, under such regulations as were established by law at the date of annexation of British Bechuanaland, subject to the conditions mentioned in the judgment of the Concession Court, dated 7th December, 1893."

4. GEDEELTE 1 (KOBA B) van die plaas ANNEX KOOPAN NORTH 135; geleë in die Afdeling GORDONIA; Provincie NOORD-KAAP;

GROOT 50,0267 (VYF NUL KOMMA NUL TWEE SES SEWE) hektaar

Aanvanklik oorgedra kragtens Akte van Transport Nr 196/1939 met Kaart wat daarop betrekking het en gehou kragtens Akte van Transport Nr T 450/1985;

ONDERHEWIG AAN:

a. Die voorwaardes vervat in Kroongrondbrief Nr 2/1929, Nrs V en VI waarvan as volg lui:-

- V. "That all rights to gold, silver and precious stones found or discovered at any time on or in the land hereby granted shall be reserved to the State, together with a right of ingress to and egress from any mines or works undertaken for mining or prospecting purposes by any law for the time being regulating the prospecting and mining for precious stones and minerals.
- VI. "That all rights to minerals, mineral products, mineral oils and precious stones, precious and base metals on or under the land hereby granted are expressly reserved to the State, together with the right of access to any mines or works undertaken for mining or prospecting purposes by any person duly authorised in that behalf. The land is subject to such further rights as the public or the Government now may or may hereafter have or be entitled to obtain under or by virtue of any law relating to the prospecting, digging, mining or exploitation of minerals, mineral products, mineral oils, precious stones, precious and base metals on or under the land hereby granted, which rights shall not be impaired or in any way affected by the title deed."

WESHALWE die Komparant afstand doen van al die regte en titel wat sy lasgewer voorheen op genoemde eiendom gehad het en gevolelik ook erken dat sy lasgewer geheel en al van die besit daarvan onthef en nie meer daartoe geregtig is nie en dat kragtens hierdie akte, die genoemde -

KHOMANI SAN VERENIGING VIR GEMEENSKAPLIKE EIENDOM

sy Erfgename, Eksekuteurs, Administrateurs of Regverkrygenders

tans en voortaan daartoe geregtig is, ooreenkomsdig plaaslike gebruik, behoudens die Regte van die Staat, en ten slotte erken hy dat die eiendom verkoop is vir 'n koopprys van R1,707,156.00 (EEN MILJOEN SEWE HONDERD EN SEWE DUISEND EEN HONDERD SES EN VYFTIG RAND).

IN GETUIENIS WAARVAN EK, die genoemde REGISTRATEUR VAN AKTES tesame met die Komparant, hierdie Akte onderteken het en met my Ampseël bekratig het.

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. 5 .

ALDUS GEDDEN EN GETEKEN op die kantoor van die REGISTRATEUR VAN AKTES te V R Y B U R G
op die 2000 - 05 - 25

In my teenwoordigheid



Anneke

REGISTRATEUR VAN AKTES

q.q.

1. Hereregtelike Kwitansie Nr. *Vrygestel.*
OF Vrystelling Serfikaat*,
Uitgereik te *up 25 April 2000*
vir R
2. Deleiting Uitkloings Certificaat uitgereik deur:
(i) , geldig tot
(ii) , geldig tot

Nagesien : 1. _____

: 2. _____

* Skrap wat nie van toepassing is nie

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ANNEXURE F

Financial Guarantee