

912/032/0004

SCOPING REPORT

ENVIRONMENTAL IMPACT STUDY
FOR THE CHANGE OF LAND USE OF

ERF 5498, A PORTION OF ERF 308 AND A
PORTION OF THE REMAINDER OF ERF 1

UPINGTON

FOR

//KHARA HUIS MUNICIPALITY



Omgevingsimpakstudies

Tweedelaan 13 Oosterville, Upington 8801
Tel / Faks (054) 332 2781

NOVEMBER 2006



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SA Heritage Resources Agency Library

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SECTION A

1. PROJECT DESCRIPTION

1.1 Background and purpose of the project

During the Integrated Development Planning process (IDP) for the //Khara Hais Municipal area, the need for residential development was identified as one of the issues which needs to be addressed during the 5 year term of the IDP. In order to fulfill this need, the Council of the //Khara Hais Municipality decided to play a leading role in respect of the development of this 34,5 ha for residential erven.

APPLICANT/LANDOWNER: //Khara Hais Municipality
ADDRESS: Private Bag X6003, **Upington**, 8860
Site: Erf 5498, portion of Erf 308 and portion of the remainder of erf 1, Upington.
Co-ordinates: 28° 26' 24,9 south
21° 16' 41 east

The site currently identified for the development for this residential development, still needed to be formalised. In order to proceed with the obtaining of the necessary landuse rights an environmental impact study must be completed as is required by the Department Tourism, Environment and Conservation.

1.2 Location of the proposed activity

The proposed site is located within the town of Upington which is situated centrally in the Northern Cape Province (Figure 1). The proposed development site therefore falls within the //Khara Hais Municipality, Upington, and is bordered by residential land uses to the north, south and west. Bordering the site to the east is vacant commonage land.

The //Khara Hais Municipality, identified an appropriate site after a detailed investigation with regard to the location of the site was done. The municipality supports the proposed development as included in the Integrated Development Plan for the area.

The proposed activities will entail the development of approximately \pm 200 erven. These erven, which will on three sides be bordered by similar residential land uses, will vary in size between 600 - 800 m² each.

1.3 Nature and extent of the proposed development

The proposed development will consist of \pm 200 erven and will cover an area of approximately 34 ha in order to provide for the expansion of the Upington residential area.

1.4 Alternatives sites considered

During the Integrated Development Planning process (IDP), for the area the need for a development of this nature was identified. As a result of this, a thorough consultation process as well as a detailed site analysis were done by //Khara Hais Municipality and Macroplan .

This development is therefore in accordance with the spatial development framework for //Khara Hais Municipality and the best option for the extension of the existing residential area.

SECTION B

2. EXISTING ENVIRONMENT AND SITE INFORMATION

2.1 Topography

The proposed site has a easterly slope of approximately 1:50 which levels out towards the northern and eastern section of Erf 5498. The area closest to the Rondonstreet side is somewhat higher than the surrounding and consists of loose stones which can be used to fill the lower areas on the site. The portion of Erf 308 which forms part of the proposed development area, is situated lower and to the east of Erf 5498. To the east of the site is a natural drainage area which transports stormwater from the site and the adjacent land in a southerly direction towards the Orange River via stormwater channels and pipes. As a whole, the site is suitable for a development of this nature and no problems with storm water drainage are foreseen.

2.2 Climate

The town of Upington is situated in the Kalahari, approximately 821m above sea level. The area, like the most of the Northern Cape is renowned for its mild to hot days all year round and minimal rainfall. Humidity is very low which makes the hot days agreeable. The azure skies are clear and unpolluted. The average recordings over the last five years are as follows:

Average Summer temperature:	Min. 17,8°C	Max. 34,6°C
Average Winter temperature:	Min. 3,5°C	Max. 20,6°C
Average Summer humidity;	16% - 81%	
Average Winter humidity:	26% - 97%	
Average Annual rainfall:	195mm	

Due to the nature of the proposed development, none of these climatic conditions poses a threat in any way but the design of the structures to be build should however make provision for the effect of the high day temperatures during the summer as well as the low temperatures during the winter.

2.3 Vegetation

The entire terrain is characterised by disturbed natural veld with footpaths crossing it at several places. During a visit to the terrain, pioneer grass, black-thorn, *aloe* species as well as single camelthorn trees (in dry riverbed), which should not be disturbed without the necessary permit, were found. Due to the history of the site and human activities in the area, the vegetation does not limit the development thereof.

2.4 Geology and soil conditions

The deeper lying geological formations of the region consist primarily of Namaqualand Mobile Belt gneiss, granite and quartz sporadically disturbed by pegmatic invasions. The surface soil consists primarily of weathered gneiss with a concentration of quartz sands in the dry river courses. In general, the geology and nature of the soil can be described as hard, though typical of the region and suitable for normal urban development.

2.5 History of ecological and natural disasters

No registered ecological or natural disasters have occurred in the immediate application area.

2.6 Land use patterns and trends

The landuses surrounding the proposed development area consists mainly of single residential properties which borders the area to the north, south and west. Within a radius of 400 - 600 metres the following landuses are to be found: a townhouse development, a public open space, a filling station, nursery, veterinarian and suburban shopping complex. All of these landuses complements the proposed landuse and therefore makes it more attractive for potential developers (figure 2).

The proposed development will therefore complement the existing landuses in the area and no negative impacts in this regard are therefore foreseen.

2.7 Aesthetic characteristics

As previously mentioned, the surrounding area mainly consists of similar landuses. The proposed development will therefore complement the existing character of the area. Due to this fact the development will not have a negative influence on the aesthetic value of the area.

SECTION C

3. DETAILS OF THE DEVELOPMENT

3.1 Estimates of liquid effluent, solid waste and gaseous emissions

Liquid Effluent - the only possible liquid effluent that will be generated on the site is storm water during rains. The detail of how this aspect will be dealt with will be discussed under par. 3.5.3 of this report.

Solid Waste - The solid waste will be restricted mainly to normal household waste after the completion of the project. Removal of household refuse will coincide with the existing service to the greater //Khara Hais Municipality.

Gaseous emissions - Due to the nature of the project, no gaseous emissions will be generated on the site as a result of this development.

3.2 Expected volume of water required

Water will be used for normal construction purposes and human consumption. The newly developed residential erven will be supplied with water by being incorporated into the existing system currently in use in Upington.

After completion of the project, the water will be used for normal human consumption and associated purposes only. No abnormalities in this regard are foreseen.

3.3 Estimated time of commencement and completion of construction

Once the environmental impact study has been approved the re-zoning and formalisation of the area will take place. As soon as these have taken place, the construction of the services for the erven may commence. Construction work will therefore take place, depending on the outcome of this application.

3.4 Number of constructional and operational employees

The actual number of workers who will benefit from the development is not known, since a contractor has not yet been appointed. It will naturally be recommended that residents from the local community be appointed for any work that needs to be done.

As was done with previous projects carried out by //Khara Hais Municipality, everything possible will be done to involve the local community in job creation and on the job training.

3.5 Infrastructure

3.5.1 Water

The development will be incorporated into the existing system currently being used in Upington. The proposed site is also located in close proximity of a main water supply line in the west. The Municipality will therefore provide this service to the proposed development. The Municipality has just recently upgraded the water purification facilities for the town and therefore has the necessary capacity to ensure that this development will be provided with potable water.

3.5.2 Sewerage

Upington has a fully waterborne sewerage system in place. The proposed development will be incorporated into this system. The Municipality has sufficient capacity and will therefore also provide this service to the proposed development.

3.5.3 Storm water

Stormwater at the site will be discharged into natural drainage channels as well as stormwater pipes in the area, as is currently the case. The lowest point of the site is in the south-westerly corner of Erf 5498, which will allow for the stormwater to run down the natural drainage area into

the Orange River, approximately 1,5km to the south of the site. The site will therefore have no future problems concerning storm water drainage and the danger of possible floods is minimal.

3.5.4 Electricity

The proposed development will be incorporated into the existing electrification system in Upington. The fact that there already exists powerlines on the boundary of the site, makes supply of electricity to the site possible.

3.5.5 Solid waste

The household refuse will be removed from the area as part of the existing service provided to the rest of Upington. All refuse removed will then be dumped at the formal solid waste disposal site.

3.6 Air, water and land pollution

During the construction phase there may be minimal and periodic incidents of air and noise pollution due to construction activities such as dust and noise as a result of earthworks. The contractor should therefore make adequate provision to prevent or minimise the effects thereof.

Due to the fact that the area is situated next to an existing residential area and the level of services planned at the proposed development, no serious risks thus exist in this regard.

3.7 Public participation and social characteristics

A public participation process was followed to identify all possible interested and affected parties (I & APs) as well as issues of significance to the project. Initially, various meetings were held between the various stakeholders, local authorities, the different tertiary institutions and consultants in order to determine the most suitable location and extent of the facilities needed.

The rest of the public participation process was done by means of a newspaper advertisement in the Gemsbok (annexure 1), an onsite notice, consultation with various stakeholders, and notices sent to the adjacent land owners (annexure 2) as well as relevant organisations, government departments, etc. During this process the following interested and affected parties were identified and consulted:

Department of Water Affairs and Forestry

A copy of the Scoping Report is submitted to this department for their inputs.

McGregor Museum Kimberley - annexure 5

A Phase 1 Heritage Impact Assessment were done on this site. It is suggested that the development proceed as planned.

Adjacent landowners - annexure 3

//Khara Hais Municipality - annexure 4

Comment on the concerns of the adjacent landowners.

Department of Tourism, Environment and Conservation

Site visit was done with the official, Mr R Moseki on 10 August 2006.

None of the abovementioned parties, as well as the adjacent land owners, had any objections to the development. The inputs as received from the abovementioned interested and affected parties will be forwarded to Department of Tourism, Environment and Conservation.

3.8 Social and economic characteristics

The proposed development will contribute positively to the spatial integration of the town, the effective use of existing infrastructure and will also provide in a demand for housing of this nature within Upington.

3.9 Public health characteristics

The proposed development will pose no threat to public health in the area as it will merely be incorporated into the existing infrastructure and facilities in the area.

3.10 Archeological, historical and cultural issues

During a site visit no signs of archeological, historical and cultural places of value were visible. Despite this fact the inputs from the McGregor Museum, Kimberley were requested in order to ensure the development will not pose a threat to any archeological, historical and cultural places of value.

SECTION D

4 DESCRIPTION OF EXPECTED POSITIVE AND NEGATIVE EFFECTS ON THE ENVIRONMENT

The following issues that may impact on the environment have been identified:

4.1 Issues related to the site itself

4.1.1 Earthworks during development and construction

Due to the nature of the work to be done in the future, possible dust and noise pollution may occur during the construction phase. The impact of these problems can be minimised to a large extent by keeping the surface wet during construction and especially on windy days. This will lessen the generation of dust during this phase.

By restricting the use of heavy machinery and noise generating equipment after a certain time of day (for instance after 20h00) the effect of noise pollution on the existing community will be minimised. As these two aspects will only be problematic during the short construction phase, they will have no long term negative influence on the environment.

4.1.2 Possible effects on the natural vegetation and habitat

As previously mentioned, the proposed development will take place on vacant land. With the exception of individual camelthorn and witgat trees, the land has also already been disturbed by human activities.

None of the camelthorn or witgat trees in the area needs to be removed as the proposed layout plan will ensure that they will be incorporated/accommodated within the proposed development.

SECTION E

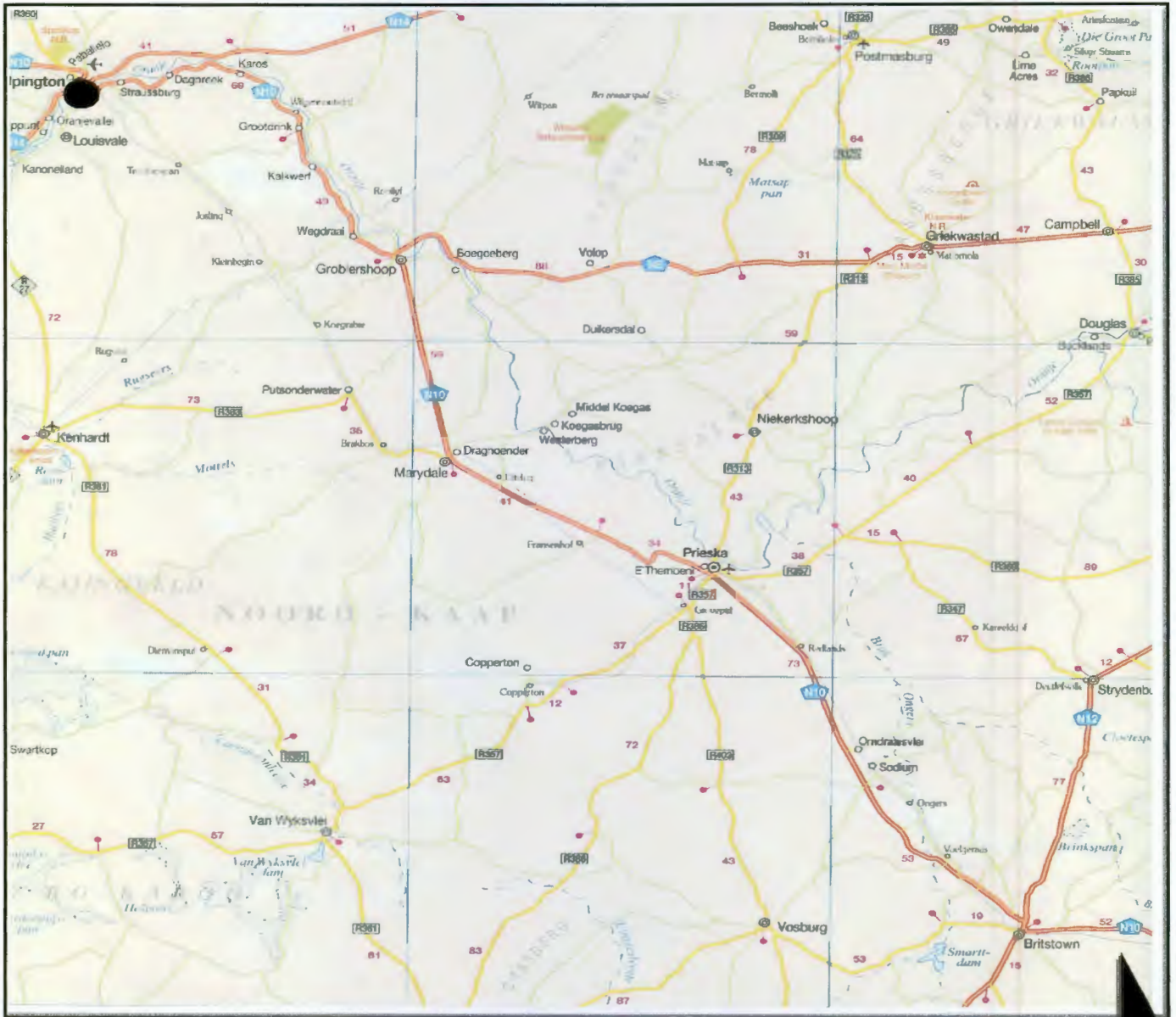
5. RECOMMENDATIONS

As can be seen from the above report, it is not foreseen that the proposed development on Erf 5498 and a portion of Erf 308 will have a significant negative impact on the environment as long as certain precautionary measures are implemented.

The following possible impacts identified, should however also be addressed as part of the process in order to minimise any negative effects on the environment:

- 5.1 During the construction of the services at the site the following aspects should be dealt with in an efficient manner:
 - 5.1.1 The prevention of any form of pollution that may take place during the construction period.
 - 5.1.2 Storage and removal of waste material from the site should be done in such a way that no contamination of the area takes place
 - 5.1.3 The minimising of dust generation during construction by keeping the construction site wet.
 - 5.1.4 The provision of adequate sanitary facilities during the development of the site.
 - 5.1.5 The use of heavy machinery and noise generation equipment after a certain time of day(20h00).
 - 5.1.6 The prevention of damage to existing infrastructure in the area.
- 5.2 Other regulations that should be complied with:
 - 5.2.1 All sections and regulations of the National Water Act 1988 (Act 36 of 1988) with regard to water pollution and with specific reference to Articles 19,20,21,22,26,27,28 and 29;
 - 5.2.2 All articles and regulations of the Environmental Conservation Act, 1989 (Act 73 of 1989) regarding the dumping of refuse.
 - 5.2.3 All articles and regulations of the National Forestry Act, 1998 (Wet 84 of 1998) with reference to the conservation of protected trees such as the Camel thorn.

Figure 1



Locality plan

Proposed change of land use,
Rondom Street, ± 12,7 ha

UPINGTON

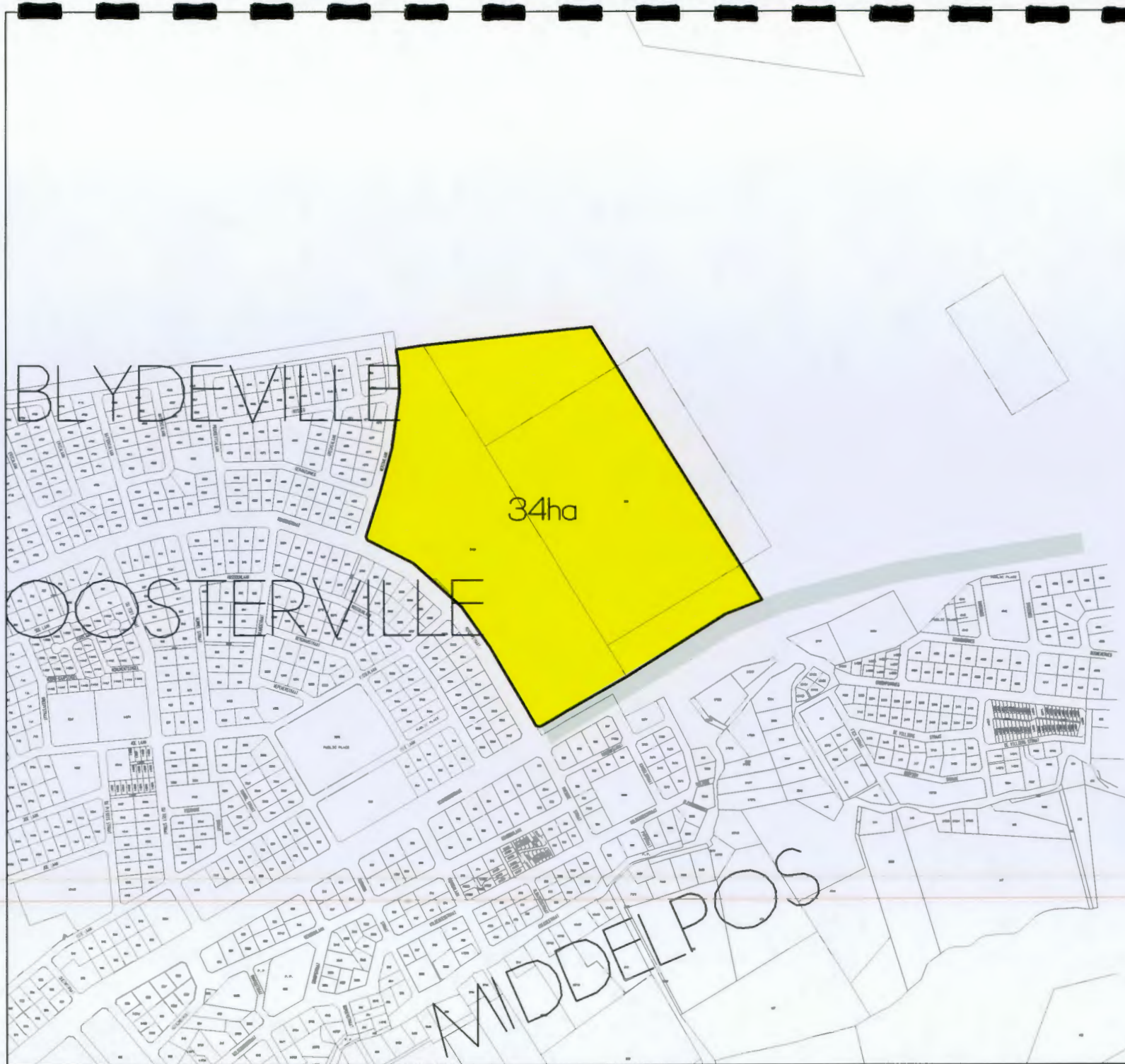
//KHARA HAIS MUNICIPALITY



Omgewingsimpakstudies

Tweedelaan 13 Oostville, Upington 8801
Tel / Faks (054) 332 2781

Figure 2



Figuur 2

Liggingsplan - Plaaslik

BLYDEVILLE
UITBREIDING

Aansoekgebied 

MACROPLAN
Stads- & Streekbeplanners
Town & Regional Planners

Posbus 987
Upton
8800
Tel: 054 - 332 3642



Spatial Designs
Land Use Specialists

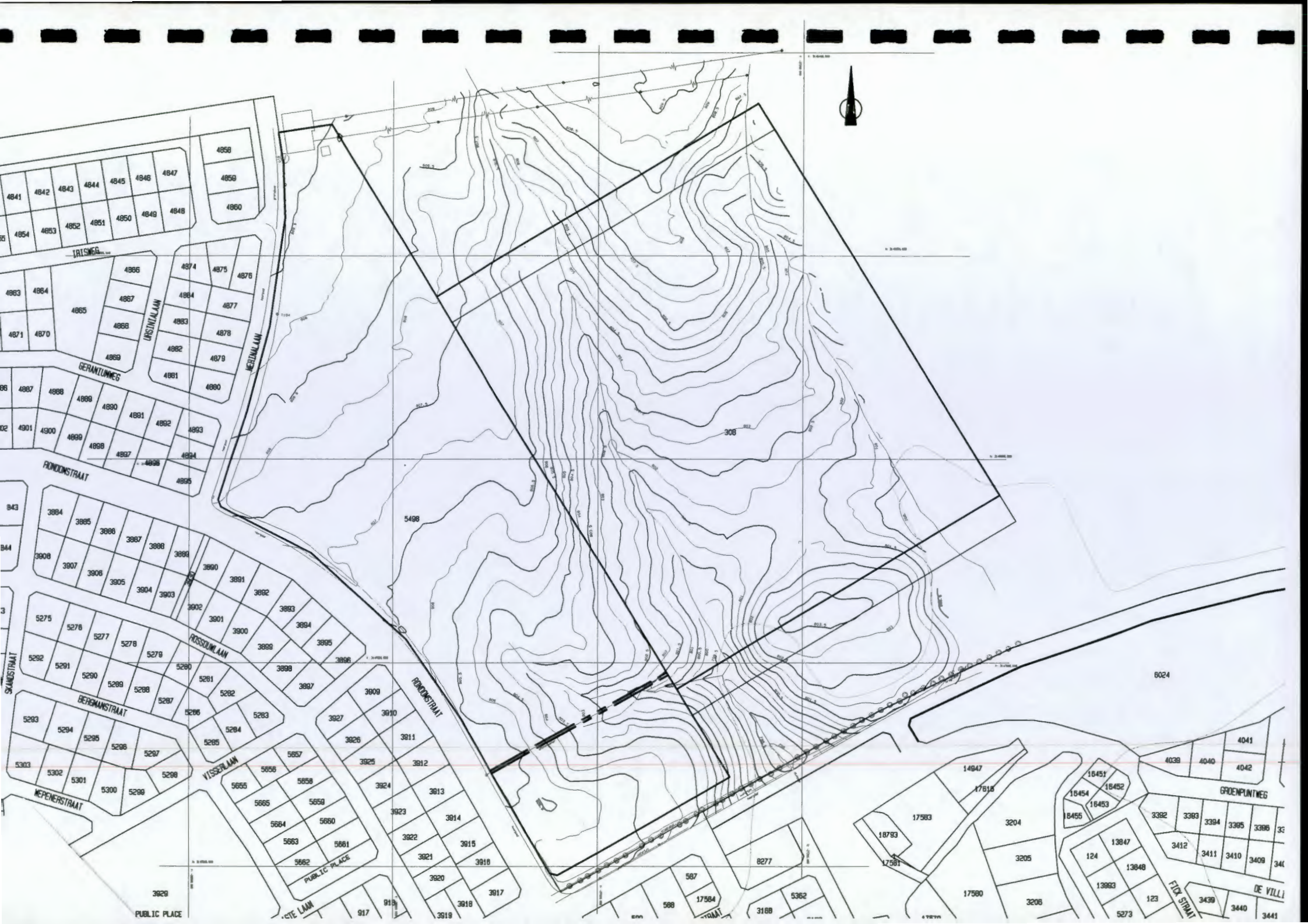


Plan Nr. No.

U/KH/BV/02

SKAAL	SCALE	ONTWERP	Len Fourie
	1:10 000	DESIGNED	
DATUM	DATE	GETEKEN	Thys Neels
		DRYK	
	Junie 2006	INGESTER	
		CHEK	

Figure 3



Photo



PHOTO: Proposed site at Ransom street.



Annexure 1

**OMGEWINGSIMPAKSTUDIE
KENNISGEWING K144/2006**

Kennis geskied in terme van Regulasie 4(6) van die regulasies soos gepubliseer in Staatskennisgewing Nr. R.1183 onder Afdeling 26 van die Wet op Omgewingsbewaring, 1989, (Wet 73 van 1989) van die voorneme vir die uitvoering van die volgende aktiwiteit:

Voorgestelde aktiwiteit: Voorgestelde grondgebruiksverandering van landbou/onbepaald na ekonomies residensiële erwe
Ligging: Erf 5498, Gedeelte van erf 308 en gedeelte van restant van erf 1, UPINGTON (Rondomstraat)
Aansoeker: Munisipaliteit //Khara Hais

Kontakpersoon: MEG Omgewingsimpakstudies
Privaatsak X5879
Postnet Suite 63
UPINGTON
8800

Tel/Faks: 054 332 2781
E-pos: megois@intekom.co.za

Datum van advertensie: Gemsbok 22 September 2006

Ten einde te verseker dat u geïdentifiseer word as 'n belanghebbende party, moet u asseblief u naam, kontak inligting, kommentaar en belang by die aangeleentheid, aan die kontakpersoon soos verstrek, binne 14 dae na publikasie stuur.

**ENVIRONMENTAL IMPACT ASSESSMENT
PROCESS
NOTICE N144/2006**

Notice is given in terms of Regulation 4(6) of the regulations published in Government Notice No. R.1183 under Section 26 of the Environment Conservation Act, 1989, (Act 73 of 1989) of the intent to carry out the following activity:

Proposed Activity: Proposed land use change from agricultural/undetermined to economic residential erven
Location: Erf 5498, Portion of Erf 308 and portion of the remainder of erf 1, UPINGTON (Rondom Street)
Name of proponent: //Khara Hais Municipality

Name of contact: MEG Omgewingsimpakstudies
Private Bag X5879
Postnet Suite 63
UPINGTON
8800

Tel/Fax: 054 332 2781
E-mail: megois@intekom.co.za

Date of advertisement: Gemsbok 22 September 2006

In order to ensure that you are identified as an interested and/or affected party please submit your name, contact information, comments and interest in the matter, to the contact person given above, within 14 days of publication of this advertisement.

ENVIRONMENTAL IMPACT ASSESSMENT PROCESS - NOTICE N145/2006

Notice is given in terms of Regulation 4(6) of the regulations published in Government Notice No. R.1183 under Section 26 of the Environment Conservation Act, 1989, (Act 73 of 1989) of the intent to carry out the following activity:

Proposed Activity: Proposed land use change from agricultural/undertermined to economic residential erven
Location: Erf 5686, ROSEDALE
Name of proponent: //Khara Hals Municipality

Name of contact: MEG Omgewingsimpakstudies
Private Bag X5879
Postnet Suite 63
UPINGTON
8800

Tel/Fax: 054 332 2781
E-mail: megois@intekom.co.za

Date of advertisement: Gemsbok 22 September 2006

In order to ensure that you are identified as an interested and/or affected party please submit your name, contact information, comments and interest in the matter, to the contact person given above, within 14 days of publication of this advertisement.

OMGEWINGSIMPAKSTUDIE KENNISGEWING K145/2006

Kennis geskied in terme van Regulasie 4(6) van die regulasies soos gepubliseer in Staatskennisgewing Nr. R.1183 onder Afdeling 26 van die Wet op Omgewingsbewaring, 1989, (Wet 73 van 1989) van die voorneme vir die uitvoering van die volgende aktiwiteit:

Voorgestelde aktiwiteit: Voorgestelde grondgebruiksverandering van landbou/onbepaald na ekonomiese residensiële erwe
Ligging: Erf 5686, ROSEDALE
Aansoeker: Munisipaliteit //Khara Hals

Kontakpersoon: MEG Omgewingsimpakstudies
Privaatsak X5879
Postnet Suite 63
UPINGTON
8800
Tel/Faks: 054 332 2781
E-pos: megois@intekom.co.za

Datum van advertensie: Gemsbok 22 September 2006

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ENVIRONMENTAL IMPACT ASSESSMENT PROCESS NOTICE N146/2006

Notice is given in terms of Regulation 4(6) of the regulations published in Government Notice No. R.1183 under Section 26 of the Environment Conservation Act, 1989, (Act 73 of 1989) of the intent to carry out the following activity:

Proposed Activity: Proposed land use change from agricultural/undertermined to sub-economic residential erven
Location: Portion of the remainder of plot 456 and portion of erf 757, LOUISVALE ROAD
Name of proponent: //Khara Hals Municipality

Name of contact: MEG Omgewingsimpakstudies
Private Bag X5879
Postnet Suite 63
UPINGTON
8800

Tel/Fax: 054 332 2781
E-mail: megois@intekom.co.za

Date of advertisement: Gemsbok 22 September 2006

In order to ensure that you are identified as an interested and/or affected party please submit your name, contact information, comments and interest in the matter, to the contact person given above, within 14 days of publication of this advertisement.

OMGEWINGSIMPAKSTUDIE KENNISGEWING K147/2006

Kennis geskied in terme van Regulasie 4(6) van die regulasies soos gepubliseer in Staatskennisgewing Nr. R.1183 onder Afdeling 26 van die Wet op Omgewingsbewaring, 1989, (Wet 73 van 1989) van die voorneme vir die uitvoering van die volgende aktiwiteit:

Voorgestelde aktiwiteit: Voorgestelde grondgebruiksverandering van landbou/onbepaald na sub-ekonomiese residensiële erwe
Ligging: Gedeelte van gedeelte 286 van die plaas Bethesda 36, RAASWATER
Aansoeker: Munisipaliteit //Khara Hals

Kontakpersoon: MEG Omgewingsimpakstudies
Privaatsak X5879
Postnet Suite 63
UPINGTON
8800

Tel/Faks: 054 332 2781
E-pos: megois@intekom.co.za

Datum van advertensie: Gemsbok 22 September 2006

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Kuruman Christelike Akademie het 'n jaarlikse seminar in die Drakensberge bygewoon. Op die foto vlnr. is J Kumm (KCA), mn WP Wahi, J Otto en N van Wyk (UOVS).

Kuruman Christelike Akademie deel van wenspan

KURUMAN: Kuruman Christelike Akademie het onlangs 'n jaarlikse seminar by die Champagne Castle Sports Reso in die Drakensberge bygewoon.

Daar was ongeveer 500 skoolhoofde, pastore en administrateurs van ACE Skole in Suid-Afrika (waarvan Kuruman Christelike Akademie deel is) teenwoordig.

Spreekers van onder andere Engeland, Amerika en Rusland het hulle toegespeel.

Daar was ook verteenwoordigers van skole van ander Afrika en oorsese lande.

Tydens een van die lesings, het mnr Otto van die Universiteit van die Oranje Vrystaat, die kusgangers toegespeel.

Hy het onder hulle aandag gebring dat lesings van ACE Skole (Accelerated Christian Education) hulself onderskei as uitmuntende studente.

Hy het genoem dat daar reeds talle studente hul grade voltooi het by die Universiteit, en in top studierigtings.

"Die UOVS is prettig om studente van ACE Skole te akkommodeer, waarvan talle beurse ontvang.

"Dit is omdat die kwaliteit onderrig en studietodes hulself bewys het en van die hoogste gehalte is.

"Kuruman Christen Akademie is trots om deel van hierdie wenspan skole te wees", sê mn Otto.

Kulerees op Arkie

UPINGTON: Moenie jou gunsteling sanger net op die Eiland-verhoog bewonder nie.

Kom kuler saam met drie van vanjaar se Kulfes-kunstenaars op Sakkie se Arkie.

Ghapi, Wicus van der Merwe en Thys Bosveldklong is die kunstenaars wat die wenspan van die Oranjerivier saam met feesgangers Sakkie se Arkie gaan aandurf. Een van hierdie sangers vaar elke aand vir die skemer-rit (hees) op die Arkie en gaan kopstukke geselsaam kuler CD's al ook te koop wees.

"Vra op Donderdagaand, die 21ste, vir Ghuit oor sy groot bos hare of hoe 'n trompspeel dan kan sing. Vrydagaand is Wicus van der Merwe op die Arkie en Saterdag sal Thys Bosveldklong op die Arkie sing.

OMGEWINGSIMPAKSTUDIE KENNISGEWING K144/2006

Kennis geskied in terme van Regulasie 4(6) van die regulasies soos gepubliseer in Staatskennisgewing Nr. R.1183 onder Afdeling 26 van die Wet op Omgewingsbewaring, 1989, (Wet 73 van 1989) van die voorneme vir die uitvoering van die volgende aktiwiteit:

Voorgestelde aktiwiteit: Voorgestelde grondgebruiksverandering van landbou/onbepaald na ekonomiese residensiële erwe
Ligging: Erf 5498, Gedeelte van erf 308 en gedeelte van restant van erf 1, UPINGTON (Rondomstraat)
Aansoeker: Munisipaliteit //Khara Hals

Kontakpersoon: MEG Omgewingsimpakstudies
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X

X

X

X

X

Annexure 2

9 = 200 ewe 34 ha

AANLIGGEND SCHRÖDERSTRAAT

<u>ERF 4859</u> Mev CM Louw Posbus 40 Upington 8800	<u>ERF 4860</u> Mev MM Botha Irisweg 12 Upington 8801
<u>ERF 4876</u> NG Kerk Upington Oos Posbus 322 Upington 8800	<u>ERF 4877</u> Mnr BJ Engelbrecht Posbus 744 Upington 8800
<u>ERF 4878</u> Mnr GS Kamfer Posbus 2089 Upington 8801	<u>ERF 4879</u> Mnr DH van der Merwe Posbus 1703 Upington 8800
<u>ERF 4880</u> Mnr DH van Wyk Posbus 892 Upington 8800	<u>ERF 4893</u> Mnr HJJ Myburgh Posbus 3200 Upington 8800
<u>ERF 4894</u> Mev GCE Toua Nerinalaan 3 Upington 8801	<u>ERF 4895</u> Mnr AP van Niekerk Rondomstraat 71 Upington 8801
<u>ERF 3890</u> Provinsiale Administrasie Privaatsak X5002 Kimberley 8300	<u>ERF 3891</u> Mnr AJHM Hanekom Rondomstraat 78 Upington 8801
<u>ERF 3892</u> Mnr AJM Myburgh Posbus 2444 Upington 8800	<u>ERF 3893</u> Mnr ZDEB Snyman Posbus 843 Upington 8800

<p><u>ERF 3894</u></p> <p>Mnr J Basson Rondomstraat 84 Upington 8801</p>	<p><u>ERF 3895</u></p> <p>Mev CA Zaaïman Posbus 2544 Upington 8800</p>
<p><u>ERF 3896</u></p> <p>Mnr JP Spangenberg Postnet Suite 90 Privaatsak X5879 Upington 8800</p>	<p><u>ERF 3909</u></p> <p>Mnr HP Dames Posbus 148 Upington 8800</p>
<p><u>ERF 3910</u></p> <p>Mnr JMA Jacobs Posbus 1052 Upington 8800</p>	<p><u>ERF 3911</u></p> <p>Mnr JM Faul Posbus 1424 Upington 8800</p>
<p><u>ERF 3912</u></p> <p>Mnr RH van Zyl Posbus 22 Upington 8800</p>	<p><u>ERF 3913</u></p> <p>Mev C Venter Rondomstraat 98 Upington 8801</p>
<p><u>ERF 3914</u></p> <p>Mnr GJ Horn Rondomstraat 100 Upington 8801</p>	<p><u>ERF 3915</u></p> <p>Mnr NH van Zyl Rondomstraat 102 Upington 8800</p>
<p><u>ERF 3916</u></p> <p>Ds G de Wee Rondomstraat 104 Upington 8801</p>	<p><u>ERF 3917</u></p> <p>Mnr FJ Reyneke Rondomstraat 106 Upington 8800</p>
<p><u>ERF 590</u></p> <p>Ultra Easy Twenty CC Posbus 1909 Upington 8800</p>	<p><u>ERF 589</u></p> <p>Mnr J Rust Schröderstraat 166 Upington 8801</p>

ERF 588

Mej ES Liebenberg
Posbus 2750
Upington
8800

ERF 587

Mnr HC Strauss
Postnet Suite 120
Privaatsak X5879
Upington
8800

ERF 8277

Dr BJ Vorster
Posbus 33
Upington
8800

Annexure 3

KENNISGEWING

Ek/Oms BAREND JOHANNES VORSTER
eienaar/bestuurder/voorsitter van die plot/plaas/erf UPINGTON VERKEERSKLINIEK
ERF 9277.....bevestig hiermee dat ek/ons in kennis gestel is van

die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

+ Erf 5498, gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

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JL Vorster
Handtekening

29/09/2016
Datum

054 338 0322
Telefoon

054 332 0189
Faks

Stuur asseblief die voltooide vorm terug so gou moontlik

BAIE DANKIE!!

KENNISGEWING

Ek/Ons FRANS REYNEL
eienaar/bestuurder/voorsitter van die plot/plaas/erf RONDOMSTR. 106

UPINGTON bevestig hiermee dat ek/ons in kennis gestel is van
die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

+ Gf 5498, gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

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A. Reynel 14-10-06 0543380179
Handtekening Datum Telefoon Faks

Stuur asseblief die voltooide vorm terug so gou moontlik

BAIE DANKIE!!

KENNISGEWING

Ek/Ons NG Kerk Upington-Oos
eienaar/bestuurder/voorsitter van die plot/plaas/erf

.....bevestig hiermee dat ek/ons in kennis gestel is van
die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

+ Erf 5498, gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

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Geen beswaar indien dit slegs 'n residensiële ontwikkeling
is nie.
.....
.....
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[Handtekening]
.....

Handtekening

3/10/2006

Datum

(054) 3380378

Telefoon

(054) 3380378

Faks

Stuur asseblief die voltooide vorm terug so gou moontlik

BAIE DANKIE!!

NG KERK UPINGTON OOS
POSBUS 322
UPINGTON 8200
TEL: 054 - 338 0378

KENNISGEWING

Ek/Ons FS LIEBENBERG + BH SWIGERS

eienaar/^sbestuurder/voorsitter van die plot/plaas/erf 588

..... bevestig hiermee dat ek/ons in kennis gestel is van die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

+ Erf 5498, gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

HEY NIE BESWAAR SOLANK DIT NIE SUB-EKONOMIESE
WONINGS IS NIE.


Handtekening

2006-09-26

Datum

082 357 5944

Telefoon

054-3380255

Faks

Stuur asseblief die voltooide vorm terug so gou moontlik

BAIE DANKIE!!

KENNISGEWING

Ek/Ons Mra. M.H. & Mev. M.M. van Lyl

eenaar/^sbestuurder/voersitter van die plot/plaas/erf 3915

..... bevestig hiermee dat ek/ons in kennis gestel is van die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

+ Erf 5498, gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

U skrywe dat in die tipe residensiële ontwikkelings plan hier.

Indien die grond aangewend sou word vir ekonomiese behuising, word geen beswaar aangeteken nie.

Alternatiewelik, sou dit op enige stadium aan die lig kom dat sub-ekonomiese en/of gesubsidieerde ontwikkelings aanwesig word, word die req. voorbehou en beswaar aan te teken.

[Handtekening]
Handtekening

28/09/06
Datum

3380808
Telefoon

[Handtekening]
Faks

Stuur asseblief die voltooidde vorm terug so gou moontlik

BAIE DANKIE!!

KENNISGEWING

Ek/Ons Mev. C. Verbe
eienaar/bestuurder/voorsitter van die plot/plaas/erf Rondonst 98 Upington
Erf 3913 bevestig hiermee dat ek/ons in kennis gestel is van

die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

+ Erf 5498, Gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

Die roetes van die swaarvoertuie te verander

Verbe

Handtekening

27/09/06

Datum

0845858261

Telefoon

Faks

Stuur asseblief die voltooide vorm terug so gou moontlik

BAIE DANKIE!!

KENNISGEWING

Ek/Ons JE Horn
eienaar/bestuurder/voorsitter van die plot/plaas/erf 3914

..... bevestig hiermee dat ek/ons in kennis gestel is van
die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

+ Erf 5498, gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

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JE Horn 28.09.06
Handtekening Datum Telefoon Faks

Stuur asseblief die voltooide vorm terug so gou moontlik

BAIE DANKIE!!

KENNISGEWING

Ek/Ons DS G. DE WEE
eienaar/bestuurder/voorsitter van die plot/plaas/erf RONDAMSTRAAT 104,
ERF 3916 bevestig hiermee dat ek/ons in kennis gestel is van

die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

+ Erf 5498, gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

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Handtekening

11.10.2006

Datum

0824954822

Telefoon

3311634

Faks

Stuur asseblief die voltooidde vorm terug so gou moontlik

BAIE DANKIE!!

KENNISGEWING

Ek/Ons J.m. Faulk

eienaar/bestuurder/voorsitter van die plot/pleas/erf 3911, Roodanstraat 94,

Costerville Upington bevestig hiermee dat ek/ons in kennis gestel is van die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

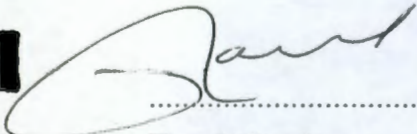
+ Erf 5498, Gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

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Handtekening

3/10/2006

Datum

0823966088
05143380347

Telefoon

Faks

Stuur asseblief die voltooidde vorm terug so gou moontlik

BAIE DANKIE!!

KENNISGEWING

Ek/Ons Zch B. Snyman
eienaar/bestuurder/voorsitter van die plot/plaas/erf RANDOMSMAAT 82

..... bevestig hiermee dat ek/ons in kennis gestel is van
die voorgestelde grondgebruiksverandering vir die ontwikkeling van residensiële doeleindes,

Gedeelte van die restant van erf 1, UPINGTON, soos beplan.

+ Erf 5498, gedeelte van erf 308

Dui aan watter opsie is van toepassing(X):

Geen beswaar

Kommentaar as volg:

IK HET GEEN BESWAAR FIE,
MAAR EK WIL GEEN SUB-EKONOMIESE-
WYSE VOOR MY HUIS HÊ FIE.

Zch B. Snyman 2/10/06 3380193
Handtekening Datum Telefoon Faks

Stuur asseblief die voltooide vorm terug so gou moontlik

BAIE DANKIE!!

FAKS NA 054-332 2781
AANDAG MAZQUERITE GEDEWUYS.

KENNISGEWING

EK/ONS P. J. CALPIN
SIGDAG/BEWINDENVOERSTER VAN DIE PLOT/PLAAS/ERF 3927 (VISSERLAAN 12,
DORTCHULLE) bevestig hiermee dat ek/ons in kennis gestel is van
die voorgestelde grondgebruikverandering vir die ontwikkeling van residensiële doeleindes. Erf
5498, Gedeelte van erf 308 en gedeelte van die restant van erf 1, Rondomstraat, UPTINGTON,
SOSIS BEHLAN.

Dit aan watter opsie is van toepassing(X):

Geen heswaar

Kommentaar as volg:

1. DIE ADVERTENSIE IN DIE GEMSBOK VERWYS NA EKONOMIESE BEHUISING.
BEKOMMERNIS IS DAT DIT OORHEEREND DEUR HUURERS EERDELS AS
EIGENARS BEWONDEN SAL WORD. FAKTIS SAL DAAR HEEL MOONTLIK 'N GEBIED VAN
VOLDOENDE INSTANDHOUDING WES, WAT DIE ILLE AANSIEN VAN HIERDIE
AREA/WOONBUURT NADIELIG SAL BEINVLOED. DIT SAL OOK VERLEP DIE WAARDE
VAN ONS EIENDOMME VERLAAG.
2. MY EIENDOM IS IN VISSERLAAN ONS ONDERVIND AL REEKS WAAR VERKEER EN WEGDAS
AS GEVOLG VAN MENSE/VEERTHIE WAT HIERLANKS NA VILLEKE STOP TOEGAAW. VIR DIE
BEPLAANDE 800-1000 ADDISIONELE MENSE VISSERLAAN IS DIE WOTSTE MEES
LOGIEKE ROETE NA DIE WINKELKOMPLEKS, ASOOK DIE SKOLE EN KERKE
3. DIE L-RIGTING STOP BY DIE KORSING VAN VISSE- EN ROSSCHWLANE IS
ALREEDS 'N CEVA NEMINTAS GEVOLG VAN MENSE WAT TE VINNIG HIER BY
EN DIE STOPTEWENS VERWAG SAAT, 'N VERHOORDE VERKEER VLOEI
SAL HIERDIE PROBLEEM BAIE VERERGER.

Handtekening

Adres _____ Telefoon _____

Faks _____

↓

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Stuur asblyf die volgende vorm terug op gou moontlik

BAIE DANKIE!!

P. J. Calpin

4/10/2006

072 729 3445

054 335 0464

Annexure 4



Burgersentrum / Civic Centre Markstraat / Market Street

Munisipaliteit - Municipality

Privaatsak X6003 Private Bag Upington 8800

//Khara Hais

☎ 054 332 5911 🖨 054 332 1762

www.kharahais.gov.za
E-pos / E-mail: manager@kharahais.gov.za

Verwysing / Reference

Navrae / Enquiries

Erf 5498; Erf 1 & Erf 308

CW GELDENHUYS
X2181

MEG Environmental Consultants
Private Bag X5879
Suite 63
Upington
8800

8 November 2006

ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED DEVELOPMENT OF ECONOMIC RESIDENTIAL ERVEN ON A PORTION OF ERF 1 (OLD KEIMOESROAD) ERF 5498 AND A PORTION OF ERF 308: UPINGTON.

The inputs received on the proposed developments at the abovementioned properties refers.

As can be seen from the inputs received, none of the residents have any objections against the proposed developments. The only concerns raised was that the proposed residential developments should not include any low-cost housing or informal housing projects, as they are of the opinion that this type of development will impact negatively on their property value.

This concern raised by the adjacent landowners has been addressed by this Council through its approved Spatial Development Strategy as well as a formal Council resolution, stating that these areas will exclusively be developed for formal economic residential properties, similar to the adjacent properties in the area.

I hope you find this in order.

Kind Regards



C.W. GELDENHUYS

HEAD TOWN PLANNING AND BUILDING CONTROL.

Annexure 5

**PHASE 1 HERITAGE IMPACT ASSESSMENT REPORT ON A
PLANNED EXTENSION FLANKING RONDONSTRAAT, //KHARA
HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE.**

Peter B Beaumont

c/o Archaeology Department

McGregor Museum

PO Box 316

8300 Kimberley

Tel 053 - 842 0986 or 053 - 839 2700

Fax 053 - 842 1433

e-mail se@museumsnc.co.za

CONSULTANT

Ms Marquerite Geldenhuys

MEG Environmental Impact Studies

Tweedelaan 13

Oosterville

8801 Upington

Tel 054 - 332 2781

Fax 054 - 332 2781

e-mail meqois@intekom.co.za

18 August 2006

EXECUTIVE SUMMARY

The purpose of this study was to establish if any heritage sites were present on a proposed urban development flanking Rondonstraat, //Khara Hais Municipality, Northern Cape. Within this terrain Precambrian schists were covered by calcrete, overlain in turn by a thin zone of pebbles, in a matrix of coarse brown sand, on and in which there were occasional undiagnostic MSA or earlier artefacts, but no sites, fossil bones or early graves were seen. It is consequently considered that this ground has no significant heritage potential and that its development will have no impact on the archaeological resources of the Northern Cape.

BACKGROUND INFORMATION

Upington is a thriving city with a burgeoning population and a resultant huge demand for township and other housing. This study was requested by M Geldenhuys of MEG Environmental Impact Studies, acting in conjunction with Macroplan Town and Regional Planners based there.

LOCAL ARCHAEOLOGY

Rather few Stone Age sites are known in the near vicinity of Upington, with one of these being the recently-located Victoria West occurrence on the farm Droogehout 422, about 30 km WNW of it, on the N 10 to Nakop.

PROPERTY DESCRIPTION

The 34 ha that was examined lies on the eastern side of the Oosterville suburb, situated some 3 km east of the Upington town centre and 2 km north of the Orange River (Figs 1 & 2). It was covered by grass and shrubs, slopes to the east, where there is a largish transecting drainage gully running southwards to the river (Fig 3). I spent some 2.5 hrs walking over its full extent, which has W-edge co-ordinates of 28° 26' 11" S, 21° 16' 19" E, and an elevation there of 817 m, on Tuesday 1 August 2006.

SUPERFICIAL GEOLOGY

The sediment sequence was seen to be bedrock of Precambrian schist, overlain, where exposed, by a calcrete surface, on which was a thin zone of rounded pebbles – cobbles, mainly of brown jasper, covered by 0 – 20 cm of coarse brown sand. The clasts show rounding due to fluvial abrasion and, in terms of a c. 30 m height above the present river, are probably Older Gravel remnants, like those seen at Karos and elsewhere.

HERITAGE FINDINGS

My random search of this property revealed a low density of gravel remnant – linked lithics that lacked formal tools and were largely based on brown jasper. Some of the flakes had faceted platforms and a high proportion showed cortex dorsals, which may indicate an ESA age or primary reduction at a raw material source. Most of the artefacts were fresh and many of them were slightly glazed, perhaps as a result of protracted surface exposure. No actual sites, palaeontological bones or early graves were seen.

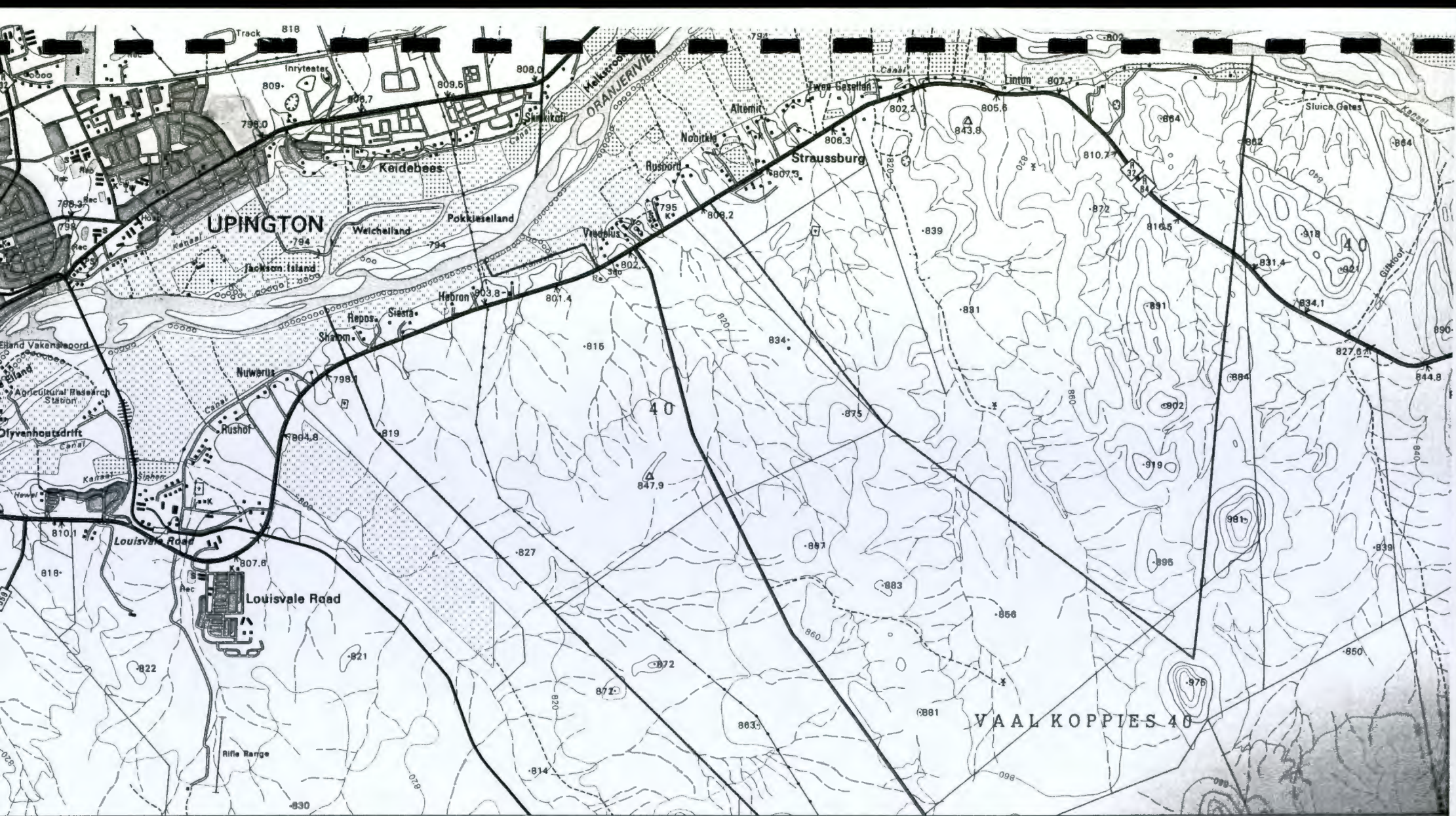
CONCLUSIONS

The investigated terrain was bereft of any significant heritage material and its use for housing will therefore have no perceptible impact on the archaeological resources of the Northern Cape.

NOTES

- A copy of the locality maps and all appended Figures must accompany this report to SAHRA.

- Applications to SAHRA will not be processed unless accompanied by payment of R150 per application. SAHRA banking details are: ABSA, Branch Code: 312109; Current Account no.: 360 680 606.



Potgieterwater
102 km
-34

20'



publiseer deur die Hoofdirekteur van Opmetings en Kartering, Privateasak, Mowbray
 published by the Chief Director of Surveys and Mapping, Private Bag, Mowbray

Staatsouteursreg 1992 State Copyright

VERKLARING

REFERENCE

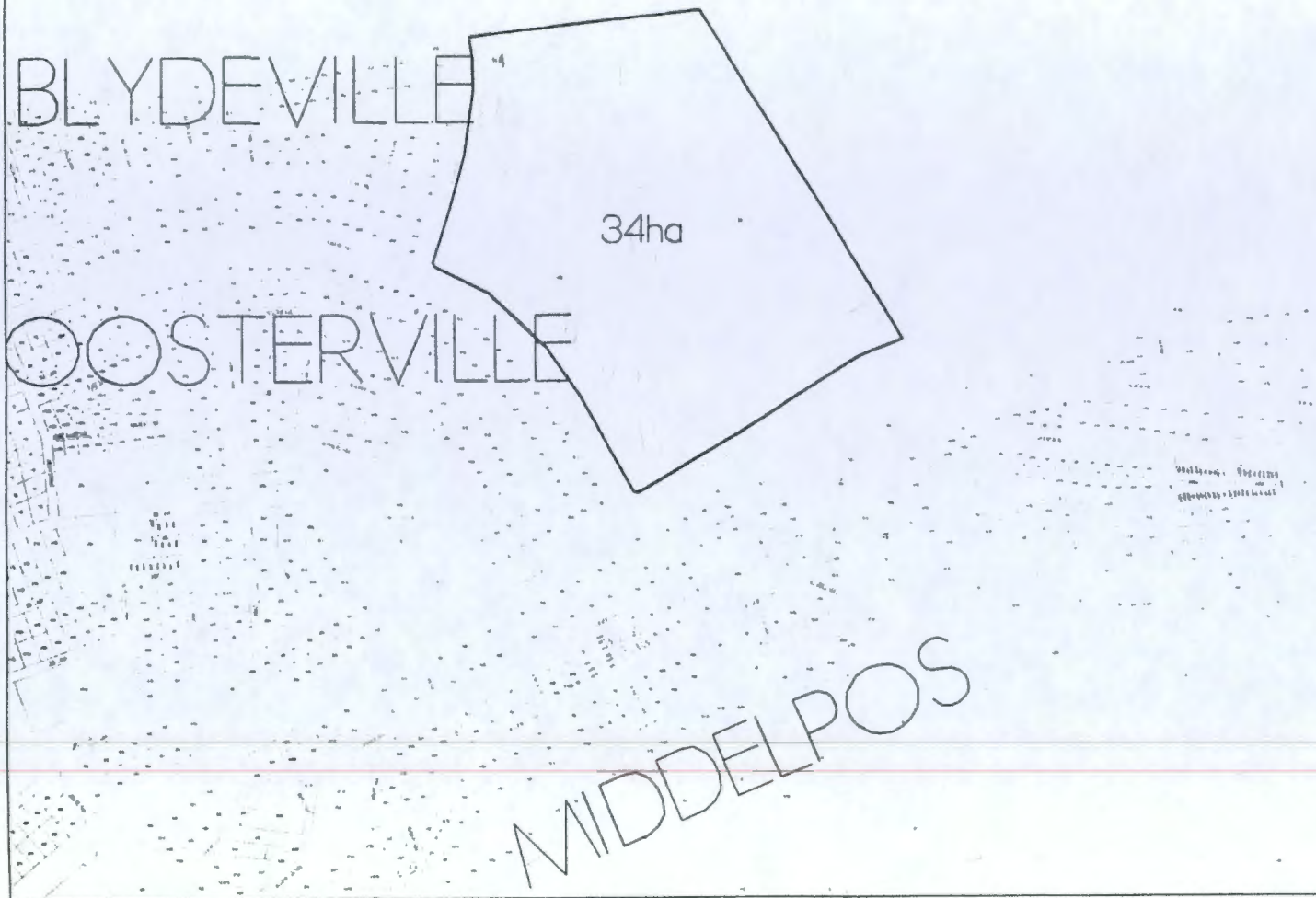
FIG 1.
 2821 AD Upington (East)

Gemiddelde magnetiese deklinasie 18°48' Wes
 van Ware Noord (Jan. 1992). Gemiddelde jaarlikse
 verandering 1' Ooswaarts (1987-1990).

Hoogtes is in meter bo gemiddelde seevlak
 Heights are in metres above mean sea level

KONTOERTUSSENROMTE 20 AFTEA

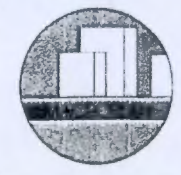
FIG 2



Figuur 2
Liggingsplan - Plaaslik

Aansoekgebied

MACROPLAN
Stads- & Streekbeplanners
Town & Regional Planners



Spatial Designs
Land Use Specialists



U/KH/BV/02

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4



FIG 3.

Annexure 6



DEPARTEMENT VAN WATERWESE EN BOSBOU
DEPARTMENT OF WATER AFFAIRS AND FORESTRY
REPUBLIEK VAN SUID-AFRIKA / REPUBLIC OF SOUTH AFRICA



DW 1

RESIDENSIEGEBOU / BUILDING, SCHOEMANSTRAAT 185 SCHOEMAN STREET

Fax: (012) 326-1780
(012) 323-4472

Telegram: DAMWATER

Privaatsak X313
Private Bag
Pretoria
0001

Navrae: J. Jolly
Enquiries: (021) 457 025
Verwysing: B33/2/442/1/S
Reference: ←

PERMITNOMMER: B33/2/442/1/P68
TIPE: KLAS 2
AFVALSTORTTERREIN: DIE DUINE
LIGGING: GEDEELTE VAN KAMP K3/325 VAN UPINGTON
DORPSGRONDE (ERF 1), DISTRIK UPINGTON.
PERMITHOUER: STADSRAAD VAN UPINGTON
ADRES: PRIVAATSAK X6003, UPINGTON, 8800.

PERMIT KRAGTENS ARTIKEL 20 VAN DIE WET OP OMGEWINGSBEWARING, 1989 (WET 73 VAN 1989)

Kragtens die bevoegdheid aan my gedelegeer deur die Minister van Omgewingsake en van Waterwese (hierin na verwys as "die Minister"), verleen ek, Wouter van der Merwe, in my hoedanigheid van Bestuurder: Wetenskaplike Dienste van die Departement van Waterwese en Bosbou (hierna genoem "die Departement"), hiermee, kragtens artikel 20 (1) van die Wet op Omgewingsbewing, 1989 (Wet 73 van 1989), toestemming aan die Stadsraad van Upington vir die bedryf en verdere ontwikkeling van die Duine-afvalstortterrein, onderworpe aan die voorwaardes wat in hierdie Permit uiteengesit is.

PERMITVOORWAARDES

In hierdie Permit beteken "Streekdirekteur" die Streekdirekteur: Wes-Kaap van die Departement, wat by die volgende adres geskakel kan word:

Streekdirekteur: Wes-Kaap
Departement van Waterwese en Bosbou
Privaatsak X9075
KAAPSTAD
8000

LIGGING

Hierdie Permit magtig die vestiging, bedryf en verdere ontwikkeling van 'n afvalstortterrein op 'n gedeelte van Kamp K3/325 Upington dorpsgronde (Erf 1), Distrik Upington (hierna genoem "die Terrein") in ooreenstemming met die verslag 36/92 deur K.O. Murphy van Watertek in Stellenbosch, gedateer November 1992 (hierna genoem "die Verslag"), voorgelê deur

die Permithouer. Die grense van die Terrein sal wees soos aangedui op plan nommer UM - 2 gedateer November 1992, voorgelê deur die Permithouer.

2. TOELAATBARE AFVAL

2.1 Die Terrein mag gebruik word vir die storting van alle tipes afval met uitsondering van afval gelys in Aanhangel I en afval waaroor spesifieke beheer uitgeoefen word kragtens die Wet op Kernenergie, 1982 (Wet 92 van 1982). Afvaltipes waaroor beheer uitgeoefen word kragtens die Minerale Wet, 1991 (Wet 50 van 1991) en die Elektrisiteitswet, 1987 (Wet 41 van 1987) is ook uitgesluit van storting op die Terrein, behalwe waar skriftelike toestemming daarvoor deur die Streekdirekteur verleen is.

2.2 Die Permithouer moet alle redelike stappe doen om te verseker dat -

2.2.1 geen mediese afval op die Terrein gestort word nie, tensy dit vooraf teen 800°C of hoër vir ten minste 1 sekonde verbrand is; en

2.2.2 geen geskeduleerde farmaseutiese produkte kragtens die Wet op die Beheer van Medisyne en Verwante Stowwe, 1965 (Wet 101 van 1965) of geassosieerde houers op die Terrein gestort word nie.

3. KONSTRUKSIE

3.1 Die Terrein of enige gedeelte daarvan mag uitsluitlik vir die storting van toelaatbare afval gebruik word indien die konstruksie of verdere ontwikkeling van die Terrein of enige sodanige gedeelte in ooreenstemming met voorwaarde 3 van hierdie Permit geskied.

3.2 Die konstruksie en verdere ontwikkeling van die Terrein moet volgens die goedgekeurde Verslag gedoen word.

3.3 Die konstruksie en verdere ontwikkeling van die Terrein moet plaasvind onder die toesig van 'n voldoende gekwalifiseerde persoon soos deur die Permithouer voorgestel en deur die Streekdirekteur goedgekeur is.

3.4 Na konstruksie van die Terrein moet die Permithouer die Streekdirekteur in kennis stel voordat enige afval op die Terrein gestort mag word. Die Terrein sal deur 'n beampste van die Departement en die persoon na wie verwys word in voorwaarde 3.3 geïnspekteer word. Indien die Streekdirekteur tevrede is met die konstruksie van die Terrein en skriftelike toestemming verleen het, mag die Permithouer die Terrein vir die storting van afval gebruik.

- 3.5 Die Permithouer moet alle redelike maatreëls tref, soos byvoorbeeld geskikte sonering of die verkryging van skriftelike toestemming van die huidige grondeienaars, om 'n buffersone van 800 meter tussen die Terrein en die naaste woon- en/of ligte nywerheidsgebied te vestig en in stand te hou gedurende die bedryf van die Terrein. Swaar nywerhede of nywerhede wat self 'n corlas mag veroorsaak, kan kragtens toepaslike wetgewing in die buffersone toegelaat word.
- 3.6 Werke moet deur die Permithouer opgerig en gereeld in stand gehou word om alle afloopwater wat aanliggend tot die Terrein kan ontstaan en wat verag kan word as gevolg van die beraamde maksimum reënval wat gedurende 'n tydperk van 24 uur mag voorkom met 'n gemiddelde frekwensie van een in vyftig jaar (hierna genoem die "beraamde maksimum reënval"), van die Terrein weg te keer en op 'n wettige manier af te voer. Onder die genoemde maksimum reënval moet die werke 'n minimum vryboord van 'n halwe meter handhaaf.
- 3.7 Werke moet deur die Permithouer opgerig en gereeld in stand gehou word om alle afloopwater wat op die Terrein kan ontstaan en wat as gevolg van die beraamde maksimum reënval verag kan word, van die werkfront van die Terrein weg te keer en af te voer en te verhoed dat die afloopwater met loog in aanraking kom. Onder die genoemde maksimum reënval moet die werke 'n minimum vryboord van 'n halwe meter handhaaf.
- 3.8 Afloopwater waarna in voorwaarde 3.7 verwys word, moet voldoen aan die gehaltevereistes van die Algemene Standaard, soos voorgeskryf ingevolge artikel 21(1)(a) van die Waterwet, 1956 (Wet 54 van 1956) soos gepubliseer in Algemene Kennisgewing 991 van 18 Mei 1984 of vereistes wat van tyd tot tyd deur die Minister vasgestel mag word en moet op 'n wettige manier afgevoer word.
- 3.9 Afloopwater waarna in voorwaarde 3.7 verwys word, wat nie aan die gehaltevereistes in voorwaarde 3.8 voldoen nie, asook alle loog, moet deur middel van werke wat deur die Permithouer opgerig is en deurlopend deur hom in stand gehou word -
- 3.9.1 in enige gerieflike riool afgevoer word indien dit aanvaarbaar is vir die verantwoordelike owerheid in beheer van die riool; en/of
- 3.9.2 behandel word om aan bogenoemde standaard te voldoen en op 'n wettige manier afgevoer word; en/of,
- 3.9.3 met die skriftelike toestemming van die Streekdirekteur -
- 3.9.3.1 opgevang en behou word vir verdamping in verdampingspanne; en/of
- 3.9.3.2 verdamp word deur besproeiing slegs op die gedeeltes van die Terrein wat voldoen aan vereistes in permitvoorwaarde 3.1 gestel.

3.10

Werke wat aan voorwaarde 3.9 voldoen, moet genoeg kapasiteit hê om die hoeveelheid loog, wat as gevolg van die beraamde maksimum reënval verwag kan word, te kan hanteer. Onder die genoemde maksimum reënval moet die werke 'n minimum vryboord van 'n halwe meter handhaaf.

3.11

Die Terrein moet ooreenkomstig erkende siviele ingenieurspraktyk opgerig word om die stabiliteit daarvan te verseker.

3.12

Die maksimum hoogte van die Terrein bokant grondvlak mag nie 12 meter oorskry nie.

3.13

Die helling van die Terrein moet ontwikkel word sodat weinig of geen erosie plaasvind nie.

3.14

Die Permithouer moet voorsiening maak vir toereikende sanitasiegeriewe op die Terrein.

4.

TOEGANGSBEHEER

4.1

Weerbestande, duursame en duidelik leesbare kennisgewings, in albei amptelike tale, moet by elke toegangspunt tot die Terrein aangebring word. Hierdie kennisgewings moet ongemagtigde toegang verbied en moet die bedryfsure, die naam, adres en telefoonnommer van die Permithouer en van die persoon in beheer van die Terrein aantoon.

4.2

Die Terrein moet doeltreffend omhein word met 'n heining van ten minste 1,8 meter hoog en hekke by toegangspunte met dieselfde hoogte ten einde ongemagtigde toegang redelikerwys te voorkom en die rondwaai van papiere en plastiek te beperk.

4.3

Die Permithouer moet alle redelike stappe doen om dienspaaie in 'n toestand te onderhou wat onbelemmerde toegang tot die Terrein sal verseker vir voertuie wat afval vervoer en om paaie van afval skoon te hou.

4.4

Die Permithouer moet verseker dat alle toegangspunte gedurende bedryfsure beman en na ure gesluit word.

4.5

Die Permithouer moet doeltreffende toegangsbeheer toepas.

4.6

Die Permithouer moet alle redelike stappe doen om te verseker dat slegs toelaatbare afval waarna in permitvoorwaarde 2 verwys word, op die Terrein gestort word.

5.

BEDRYF

5.1

Alle afval wat op die Terrein gestort is, moet aan die einde van elke werksdag gekompakteer en met 'n laag grond (of ander materiaal wat deur die Streekdirekteur goedgekeur is) van ten minste 150 millimeter dik bedek word.

- 5.2 Die Permithouer moet alle redelike maatreëls tref om te verseker dat die Terrein so bedryf word dat geen oorlas of gesondheidsgeware ontstaan nie.
- 5.3 Die Permithouer moet verskuifbare heinings gebruik om afval wat deur die wind versprei word, te beheer.
- 5.4 Die Permithouer moet voldoende stofbeheermaatreëls toepas om oorlastoestande en gesondheidsgeware wat veroorsaak kan word deur stof wat deur die wind versprei word, te voorkom.
- 5.5 Afval wat op die Terrein gestort is, mag nie herwin word nie.
- 5.6 Die Permithouer moet voldoende maatreëls tot die tevredenheid van die Streekdirekteur tref vir die ventilasie of beheer van metaangas wat in die Terrein ontstaan, om sodoende die opbou van 'n gevaarlike konsentrasie te verhoed. Die konsentrasie van metaangas vanaf die Terrein mag nie 1% per volume oorskry nie en die koolstofdioksiedkonsentrasie mag nie 0,5% per volume oorskry nie. Hierdie konsentrasies moet bepaal word deur metings wat gedoen word by die grens van die Terrein, binne 20 millimeter vanaf die natuurlike grondvlak.

6. MONITERING

- 6.1 'n Boorgatmoniteringstelsel vir die Terrein moet in ooreenstemming met die Verslag deur die Permithouer tot die tevredenheid van die Streekdirekteur ingestel en in stand gehou word sodat monsters, soos in die Permit vereis, ongehinderd geneem kan word.
- 6.2 Moniteringsboorgate moet voorsien word van 'n sluitbare deksel. Die Departement behou die reg voor om te eniger tyd monsters te neem en te analiseer of te laat analiseer.
- 6.3 Oppervlakwatermonitering moet vir alle stormwaterafloop op en aanliggend tot die Terrein uitgevoer word op plekke wat in oorleg met die Streekdirekteur bepaal is en teen 'n frekwensie soos deur die Streekdirekteur bepaal.
- 6.4 Behandelde loog, wat in 'n waterbron gestort word, moet gemonitor word en die standarde, parameters en monsternemingsfrekwensie sal wees soos bepaal en van tyd tot tyd deur die Bestuurder: Wetenskaplike Dienste aangepas.
- 6.5 Agtergrondmonitering
- Monsters verkry vanaf 'n boorgat, waar die grondwater in die boorgat by 'n verwagte hoër hidrouliese drukvlak geleë is as die hidrouliese drukvlak van die grondwater onder die Terrein, word as agtergrondmonitering beskou. Agtergrondmonitering vir grondwater moet tydens elke moniteringsgeleentheid kragtens voorwaardes 6.6, 6.7 of 6.8 uitgevoer word vir die watergehalteveranderlikes soos in Aanhangsel II gelys.

6.6

Waarnemingsmonitering

Monitering moet binne 3 dae vanaf 15 Januarie en 15 Julie elke jaar uitgevoer word vir die watergehalteveranderlikes gelys in paragraaf (a) van Aanhangsel III en jaarliks binne 3 dae vanaf 15 Julie vir die veranderlikes in paragraaf (b) van Aanhangsel III.

6.7

Ondersoekingsmonitering

Indien, na die mening van die Streekdirekteur, 'n watergehalteveranderlike, wat onder die waarnemingsmoniteringsprogram (voorwaarde 6.6) gelys is, 'n stygende tendens toon, moet die Permithouer met 'n maandelikse moniteringsprogram vir die watergehalteveranderlikes gelys in Aanhangsel II begin.

6.8

Monitering na sluiting

Grondwatermonitering deur die Permithouer, in ooreenstemming met voorwaarde 6.6 of 6.7, moet onmiddellik na sluiting van die Terrein 'n aanvang neem en vir 'n tydperk van 30 jaar volgehou word, of vir 'n korter tydperk soos deur die Streekdirekteur bepaal.

6.9

Verdere monitering

Die Permithouer moet rekord hou van alle inligting waarna in Aanhangsel IV verwys word en dit jaarliks updateer.

7.

METODES VAN ANALISE

7.1

Die Permithouer moet alle toetse uitvoer ooreenkomstig die metodes voorgeskryf deur en verkrygbaar by die Suid-Afrikaanse Buro vir Standaarde (SABS), vermeld in die Wet op Standaarde, 1982, (Wet 30 van 1982), om die monsters te ontleed wat geneem is tydens die moniteringsprogramme, voorgeskryf in voorwaarde 6.

7.2

Die Permithouer mag slegs van ander metodes van analise gebruik maak indien daar skriftelike bewys aan die Streekdirekteur gelewer word dat die metode ekwivalent is aan die SABS-metode.

8.

NOTERING

Die Permithouer moet alle boorgatdata en chemiese analises in die formaat soos beskryf in Aanhangsel V, noteer.

9.

VERSLAGDOENING

9.1

Die inligting soos ingevolge voorwaardes 6.1 tot 6.8 vereis, moet aan die Streekdirekteur gestuur word binne 'n tydperk van 30 dae nadat die analises van die genoemde monsters

gedoen is. Die inligting soos ingevolge voorwaarde 6.9 vereis, moet binne een jaar ná die datum van uitreiking van hierdie Permit aan die Streekdirekteur gestuur word en jaarliks daarna.

10. FINALE REHABILITASIE EN SLUITING VAN DIE TERREIN

10.1 Die Permithouer moet ten minste 60 dae voor die beoogde sluiting van die Terrein, die Streekdirekteur per geregistreerde pos in kennis stel van die beoogde sluiting en finale, opgedateerde rehabilitasieplanne vir sy goedkeuring indien.

10.2 Onmiddellik nadat werksaamhede by die Terrein gestaak is met die doel om die Terrein te sluit, moet die oppervlak van die Terrein bedek word sodat -

10.2.1 geen poelvorming as gevolg van reën kan plaasvind nie;

10.2.2 die vrye oppervlakafloop van reënwater verseker word; en

10.2.3 geen voorwerpe of materiale op die Terrein voorkom wat die rehabilitasie daarvan kan belemmer nie.

10.3 Die Permithouer moet die Terrein ooreenkomstig die Verslag en tot die tevredenheid van die Streekdirekteur rehabiliteer.

11. VERHURING EN VERVREEMDING VAN DIE TERREIN

Indien die Permithouer die Terrein aan 'n ander persoon wil verhuur of vervreem, moet die Streekdirekteur ten minste 60 dae voor sodanige transaksie daarvan in kennis gestel word.

12. ALGEMEEN

12.1 Hierdie Permit is nie oordraagbaar sonder die skriftelike toestemming van die Minister nie en dan slegs onderworpe aan die voorwaardes wat hy mag stel.

12.2 Hierdie Permit moet nie op so 'n wyse vertolk word dat dit vrystelling verleen van voldoening aan die bepalinge van die Wet op Gesondheid, 1977 (Wet 63 van 1977) of die Waterwet, 1956 (Wet 54 van 1956) of enige ander toepaslike wet, ordonnansie, regulasie of verordening nie.

[Handwritten signature]

BESTUURDER: WETENSKAPLIKE DIENSTE

p.p. MINISTER VAN OMGEWINGSAKE EN VAN WATERWESE

DATUM: 1993. 05. 10

AANHANGSEL ILYS VAN GEVAARLIKE EN TOKSIESE STOWWE WAT SLEGS OP 'N KLAS 1 TERREIN
GESTORT MAG WORD

Sure en Alkalië
Antimoon en antimoonverbindings
Arseenverbindings
Asbes (stowwerige asbes en los vesels)
Bariumverbindings
Berillium en berilliumverbindings
Biododers en fitofarmaseutiese stowwe
Boorverbindings
Kadmium and kadmiümverbindings
Chroomverbindings
Koperverbindings
Gevaarhoudende heterosikliese organiese verbindings bevattende suurstof, stikstof
of swael
Gevaarhoudende suurstof-, stikstof- en swaelverbindings van koolwaterstowwe
Anorganiese sianiede
Anorganiese halogeen-bevattende verbindings
Anorganiese swael-bevattende verbindings
Laboratorium chemikalieë
Loodverbindings
Mediese afval (weefsels, bloed, deppers, naalde, ens)
Kwikverbindings
Nikkel en nikkilverbindings
Organiese halogeenverbindings, met uitsondering van inerte polimeriese stowwe
Verwe en verfslik
Peroksiede, chlorate, perchlorate en asiede
Plaagdoders en insekdoders
Farmaseutiese en veeartsenykundige verbindings
Fosfor en fosforverbindings
Selenium and seleniumverbindings
Silwerverbindings
Teeragtige stowwe van raffinering en teeroorblyfsels van distillering, insluitende
petroleum produkte
Tellurium en telluriumverbindings
Tallium en talliumverbindings
Vanadiumverbindings
Sinkverbindings
Afval met 'n flitspunt, soos gemeet met die geslote houer metode, laer as 60⁰C

AAHANGSEL IIWATERGEHALTEVERANDERLIKES WAT VEREIS WORD VIR AGTERGRONDMONITERING
EN ONDERSOEKINGSMONITERING : VOORWAARDES 6.5 EN 6.7

Alkaliniteit	Vrye- & gebonde ammoniak (as N)
Kalsium	Boor
Chroom (Totaal)	Magnesium
Chroom (heksavalent)	Kadmium
Chemiese suurstof eis (CSE)	Chloriede
Sianied	Kwik
Lood	pH
Nitraat (as N)	Natrium
Fenol verbindings	Elektriese geleidingsvermoë
Kalium	Sulfaat
Totale opgeloste vaste stowwe	

AANHANGSEL IIIWATERGEHALTEVERANDERLIKES WAT VEREIS WORD VIR WAARNEMINGS
MONITERING: VOORWAARDE 6.6

(a)

Alkaliniteit
Chemiese suurstof eis
pH
Totale opgeloste vastestowwe
Chloriede
Nitrate
Kalium

(b)

Jaarliks vir elektriese geleidingsvermoeë, kalsium, magnesium, natrium, sulfaat en fluoriedes.

AANHANGSEL IV

INLIGTING WAT JAARLIKS VERSKAF MOET WORD: VOORWAARDE 6.9

J J J J M M D D

NAAM VAN TERREIN: DIE DUIWE

DATUM VAN VERSLAG

Geregistreeerde eienaar(s) van eiendom waarop stortterrein geleë is:

Naam..... UKHARA HAIK MUNICIPALITEIT
 Posadres..... P/S X6003 Telefoonkode & No 054 3325911
 UPINGTON Fakskode & No 054 3390892
 Poskode 8800 Teleks No

Naam van Operateur in beheer van stortterrein:

..... J.J. HUISAMEN
 Telefoonkode & nommer 054 3390892 Na-ure 083 2353725
 Identiteitsnommer 5901265062087

Opvoedkundige kwalifikasies (*). st 6 diploma
 st 8 hoër diploma
 matriek graad
 ander (spesifiseer).....

(a) Nuutstè geskatte lewensduur van stortterrein 20 jaar

(b) Dui die toepaslike tipe afval en hoeveelhede wat gedurende die jaar gestort is aan: MET URAGMOTORS PER PAD

Tipe afval	Hoeveelheid (m ³ per jaar)	Gekompakteer(G)	Ongekompakteer(O)
<u>Nie-gevaarlike afval</u>			
Huishoudelike afval	<u>128 000</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tuinafval	<u>50 000</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bourommel	<u>38 000</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Industriële afval (nie-gevaarlik)	<u>32 000</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- (spesifiseer).....		<input type="checkbox"/>	<input type="checkbox"/>
-		<input type="checkbox"/>	<input type="checkbox"/>
TOTAAL	<u>248 000 m³</u>		

<u>Gevaarlike afval</u>			
- Ontvlambare vloeistowwe		<input type="checkbox"/>	<input type="checkbox"/>
- Ontvlambare vastestowwe		<input type="checkbox"/>	<input type="checkbox"/>
- Oksideermiddels		<input type="checkbox"/>	<input type="checkbox"/>
- Giftige stowwe		<input type="checkbox"/>	<input type="checkbox"/>
- Bytende stowwe		<input type="checkbox"/>	<input type="checkbox"/>
- Hospitaal afval en smetstowwe		<input type="checkbox"/>	<input type="checkbox"/>
- (spesifiseer).....		<input type="checkbox"/>	<input type="checkbox"/>
-		<input type="checkbox"/>	<input type="checkbox"/>
TOTAAL			

(a) Dui die metode van afvalstorting aan (*). Landopbouing Landvulling

(b) Dui die huidige afmetings van die terrein aan in meter.

Hoogte/diepte 5 m
 Lengte 600 m
 Breedte 280 m

Dui die afvaltipies en hoeveelhede aan wat gedurende die jaar herwin is. (*)

Geen herwinning is onderneem nie

Tipe	Hoeveelheid(m ³)	Tipe	Hoeveelheid(m ³)
Papier/houtvesel	Rubber	.....
Plastiek	Tekstiele	.....
Glas	Yster	.....
Koper	Aluminium	.....
Sink	Lood	.....
Fosfogips	Poeierkoolas	.....
Afval vir kompostering	Voedselreste	.....
Brandbare gasse	Ander	.....
Ander	Ander	.....
Ander	Ander	.....

6. Dui die tipies, bronne en beraamde hoeveelhede beskikbare bedekkingsmateriaal aan (*).

Tipe	Bronne	Hoeveelheid (m ³)
Grond
<input checked="" type="checkbox"/> Sand	DUIWISAND	ONTEELBAAR
As
Gruis
Klei
Bourommel
Ander (spesifiseer)
.....
.....
.....

* Dui aan met 'n X

Handtekening

Bedanigheid

Flek Datum

ANGSEL V: VORM OM CHEMIESE INLIGTING TE RAPPOORTEER: VOORWAARDES 6 en 8

Naam van terrein: _____ Boorgat naam/nommer _____
 Datum van monster [][][][][][][][][] Tyd [][] h [][] Monster- Skep (S) [] Pomp (P) []
 metode: _____
 Tyd na aansit van pomp [][] h [][] Monsterdiepte [][][][][][][][]
 Datum van Analise [][][][][][][][][] Laboratorium _____

Fisiese parameters
 pH [][][][] EG [][][][][][] TOS [][][][][][] Temp [][][][][] S.G. [][][][][][][][][][]

Makro chemie (mg/l)
 Ca [][][][][] Mg [][][][][][] Na [][][][][][] K [][][][][][] S₁ [][][][][][][][][][] P Alk [][][][][][] M Alk [][][][][][][][][][]
 Suur [][][][][][][][][][] P Suur [][][][][][][][][][] Cl [][][][][][][][][][] SO₄ [][][][][][][][][][] N(NO₃) [][][][][][][][][][] F [][][][][][][][][][]

Mikro chemie (mg/l)
 Al [][][][][][][][][][] As [][][][][][][][][][] B [][][][][][][][][][] Cd [][][][][][][][][][] CN [][][][][][][][][][] Cr [][][][][][][][][][]
 [][][][][][][][][][] Fe [][][][][][][][][][] Mn [][][][][][][][][][] Pb [][][][][][][][][][] Sr [][][][][][][][][][] Zn [][][][][][][][][][]

Kommentaar _____

Besoedelingschemie
 Reur [][][][][][][][][][] mg/l Pt Reuk [][][][][][][][][][] TON Opgeloste suurstof [][][][][][][][][][] mg/l
 CSB [][][][][][][][][][] mg/l Smaak [][][][][][][][][][] TTN Turbiditeit [][][][][][][][][][] NTU
 N (Ammoniak) [][][][][][][][][][] mg/l N(NO₂) [][][][][][][][][][] mg/l N (Kjeldahl) [][][][][][][][][][] mg/l
 [][][][][][][][][][] mg/l PO₄ [][][][][][][][][][] mg/l H₂S [][][][][][][][][][] mg/l
 [][][][][][][][][][] mg/l Seep [][][][][][][][][][] mg/l E. coli [][][][][][][][][][] /100ml
 [][][][][][][][][][] mg/l
 [][][][][][][][][][] mg/l Totale organiese koolstof [][][][][][][][][][] mg/l
 Sulfied [][][][][][][][][][] mg/l Metileenblou aktiewe stowwe [][][][][][][][][][] LAS

Kommentaar _____

ander mikro elemente (mg/l)
 Ag [][][][][][][][][][] Au [][][][][][][][][][] Ba [][][][][][][][][][] Be [][][][][][][][][][] Bi [][][][][][][][][][] Br [][][][][][][][][][]
 [][][][][][][][][][] Co [][][][][][][][][][] Hg [][][][][][][][][][] I [][][][][][][][][][] Li [][][][][][][][][][] Mo [][][][][][][][][][]
 Ni [][][][][][][][][][] Sb [][][][][][][][][][] Se [][][][][][][][][][] Te [][][][][][][][][][] Ti [][][][][][][][][][] Tl [][][][][][][][][][]
 U [][][][][][][][][][] V [][][][][][][][][][] W [][][][][][][][][][]

Kommentaar _____



DEPARTMENT: WATER AFFAIRS AND FORESTRY

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539.WM 18-03-2004

Wilna Moolman

F - ☒ 012-323 0321



E - ☒ tei@dwaf.gov.za



012-336 7557



16/2/7/D700/D1/Z1

Munisipale Bestuurder
//Khara Hais Munisipaliteit
Privaatsak X6003
UPINGTON
8800

Aandag: CG Kuun

**WYSIGINGSPERMIT VIR DIE DUINE AFVALSTORTTERREIN KRAGTENS ARTIKEL 20
VAN DIE WET OP OMGEWINGSBEWARING, 1989 (WET 73 VAN 1989): PERMIT NOMMER
B33/2/442/1/P68**

Die Minister ag dit nodig om die Permit: B33/3/442/1/P68 as volg te wysig.

Kragtens die bevoegheid aan my gedelegeer deur die Minister van Waterwese en Bosbou (hierna verwys as "die Minister") verleen ek, Cornelius Ruiters, in my hoedanigheid van Bestuurder: Waterbenutting van die Departement van Waterwese en Bosbou (hierna genoem "die Departement"), hiermee, kragtens artikel 20(1) van die Wet op Omgewingsbewaring, 1989 (Wet 73 van 1989), toestemming om die Duine-afvalstortterrein se Permit soos volg te wysig:

(gewysig) PERMITNOMMER: 16/2/7/D700/D1/Z1/P68

(gewysig) TIPE: G:M:B

(gewysig) PERMITHOUER: //KHARA HAIS MUNISIPALITEIT.

(gewysig) PERMITVOORWAARDES


In hierdie Permit beteken "Streekdirekteur" die Streekdirekteur: Noord-Kaap van die Departement, wat by die volgende adress gekontak kan word:

Streekdirekteur: Noord-Kaap
Departement van Waterwese en Bosbou
Privaatsak X5912
UPINGTON
8800

(gewysig) Voorwaarde 2.2.1
geen mediese afval op die Terrein gestort word nie; en

(gewysig) Voorwaarde 5.5
Afval wat op die Terrein gestort is, mag herwin word. Die herwinning mag nie die daaglikse
bedryfsaktiwiteite van die Terrein belemmer nie.

(bygevoeg) Voorwaarde 5.7
Die Permitthouer moet rekord hou van die volume en aard van die afval wat herwin word en
moet dit jaarliks aan die Streekdirekteur rapporteer.



BESTUURDER: WATERBENUTTING
p.p. MINISTER VAN WATERWESE EN BOSBOU

DATUM: 30/03/2024

Afskrif aan: Chantelle van Wyk, DWAf Noord-Kaap, Privaat Sak X5912, UPINGTON, 8800