

**DRAFT ENVIRONMENTAL BASIC
ASSESSMENT REPORT #2**
(ito Regulation 22 of Regulation No R543 of 18 June 2010)

**THE PROPOSED DEVELOPMENT OF PORTIONS OF
PORTION 3 BUFFELSKLOOF 511 IQ**

TLOKWE CITY LOCAL MUNICIPALITY

NORTH WEST PROVINCE

SUBMITTED BY:



ENVIROVISION CONSULTING CC
ENVIRONMENTAL SPECIALISTS

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MEMBER Cappie Linde M.ENV.DEV (UKN) • CK2003/050777/23

Departmental reference:
12/12/20/2207

To be submitted to:

1. Ms M Monyai
Office of the Chief Director: Environmental Impact Management
National Department of Environmental Affairs
2. Registered Interested and Affected Parties

On behalf of:

Seriso 530 (Pty) Ltd

Date:



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Basic Assessment Report in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment Regulations, 2006

Kindly note that:

1. This **basic assessment report** is a standard report that may be required by a competent authority in terms of the EIA Regulations, 2006 and is meant to streamline applications. Please make sure that it is the report used by the particular competent authority for the activity that is being applied for.
2. The report must be typed within the spaces provided in the form. The size of the spaces provided are not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.
3. Where applicable **tick** the boxes that are applicable or **black out** the boxes that are not applicable in the report.
4. An incomplete report **may** be returned to the applicant for revision.
5. The use of "not applicable" in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.
6. This report must be handed in at offices of the relevant competent authority as determined by each authority.
7. **No faxed, e-mailed and reports** will be accepted.
8. The report must be compiled by an independent environmental assessment practitioner.
9. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
10. A competent authority may require that for specified types of activities in defined situations only parts of this report need to be completed. In addition, if it is clear to the EAP that because of the particular circumstances of the case it is not sensible to complete any of the sections indicated under paragraph 3 of this report, he or she may apply for exemption from completing that part of the report in the spaces provided in the report. It must however be noted that if the application for exemption is turned down, the report may have to be resubmitted.

SECTION A: APPLICATION FOR EXEMPTION

The relevant parts of this section must be completed if the environmental assessment practitioner (EAP) on behalf of the applicant wishes to apply for exemption from completing or complying with certain parts of this basic assessment report.

1. APPLICATION FOR EXEMPTION FROM ASSESSING ALTERNATIVES:

At least **two** alternatives (site or activity) should be assessed. If that is not possible, the applicant should apply for exemption from having to assess alternatives. Such exemption will, however, not apply to the no-go alternative that must be assessed in all cases.

Provide a detailed motivation for not considering alternatives including an explanation of the reason for the application for exemption (supporting documents, if any, should be attached to this report):

N/A

I declare that the above motivation is accurate and, hereby apply for exemption in terms of regulation 51 of the Environmental Impact Assessment Regulations, 2006, from having to assess alternatives in this application as required in section 24(4)(b) in the National Environmental Management Act, 1998 (Act No. 107 of 1998) (refer to Appendix G for expertise and qualifications of EAP).

Signature of the EAP: _____ Date:

2. APPLICATION FOR EXEMPTION FROM COMPLETING OR COMPLYING WITH PART(S) OF THIS BASIC ASSESSMENT REPORT:

Application for exemption from completing or complying with certain parts of this basic assessment report may be made by completing the relevant sections below. Applications for exemptions from completing or complying with any other part of the basic assessment report must be made in the normal manner.

Indicate the numbers of the sections of this report for which exemption is applied for:

Section B:	7(a)	7(b)	7(c)	7(d)	8	9	10(c)	10(e)	10(f)	10(g)	10(h)	10(j)	10(k)	12
Section C:	1	2	3	4	5	6								
Section D:	1(a)	1(b)	1(c)	1(d)	1(f)	1(g)	3							

Provide a detailed motivation including an explanation of the reason for the application for exemption (supporting documents, if any, should be attached to this report):

--

I declare that the above motivation is accurate and, hereby apply for exemption in terms of regulation 51 of the EIA Regulations, 2006, from having to complete the indicated sections of the Basic Assessment Report.

Signature of the EAP: _____ Date:

SECTION B: ACTIVITY INFORMATION

1. ACTIVITY DESCRIPTION

Describe the activity, which is being applied for in detail (A1):

The establishment of a private resort on portions of Portion 3 Buffelskloof 511 IQ, North West Province.

2. ALTERNATIVES

Describe alternatives that are considered in this application. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity could be accomplished in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed. The determination of whether site or activity (including different processes etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment. After receipt of this report the competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

2(a) Site alternatives:

Describe site alternative 1 (S1), for the activity described above, or for any other activity alternative:

Preferred clustered riverine site layout: The establishment of a private resort consisting of the following on portions of Portion 3 Buffelskloof 511 IQ, North West Province (Appendix C):

- Eleven **new** single residential erven / units (1,1438 ha);
- One **new** erf for overseer's housing (0.1200);
- One **existing** guest lodge (0.9443 ha);
- **Existing** employees accommodation (0,8283 ha);
- **Existing** communal facility for lapa and bird watching (0,096 ha);
- Two special erven for private roads (1,0518 ha).

Total ecological footprint: 4.0642 hectares. Total property size: 59.4105 hectares.

Describe site alternative 2 (S2), if any, for the activity described above, or for any other activity alternative:

Non-preferred linear riverine site layout: The establishment of a private resort consisting of the following on portions of Portion 3 Buffelskloof 511 IQ, North West Province (Appendix C):

- Eight **new** single residential erven / units (0,18 ha);
- One **existing** guest lodge (0.9443 ha);
- **Existing** employees accommodation (0,8283 ha);
- **Existing** communal facility for lapa and bird watching (0,096 ha);
- Two special erven for private roads (1,0518 ha).

Total ecological footprint: 3.1004 hectares. Total property size: 59.4105 hectares.

Describe site alternative 3 (S3), if any, for the activity described above, or for any other activity alternative:

Not applicable

(2)(b) Activity alternatives:

Describe activity alternative 2 (A2), if any, for any or all of the site alternatives as appropriate:

Not applicable.

Describe activity alternative 2 (A2), if any, for any or all of the site alternatives as appropriate:

Not applicable.

Describe activity alternative 2 (A2), if any, for any or all of the site alternatives as appropriate:

Not applicable.

4. ACTIVITY POSITION

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the **WGS84 spheroid** in a national or local projection.

Alternative:	Latitude (S):		Longitude (E):	
Alternative S1 ¹ (preferred or only site alternative)	26°	52'09.76"	27°	17'00.99"
Alternative S2 (if any)	26°	52'09.76"	27°	17'00.99"
Alternative S3 (if any)	0	'	0	'

In the case of linear activities:

Alternative:	Latitude (S):		Longitude (E):	
Alternative S1 (preferred or only route alternative)				
• Starting point of the activity	°	'	°	'
• Middle point of the activity	°	'	°	'
• End point of the activity	°	'	°	'
Alternative S2 (if any)				
• Starting point of the activity	°	'	°	'
• Middle point of the activity	°	'	°	'
• End point of the activity	°	'	°	'
Alternative S3 (if any)				
• Starting point of the activity	°	'	°	'
• Middle point of the activity	°	'	°	'
• End point of the activity	°	'	°	'

For route alternatives that are longer than 500m, please provide an addendum with co-ordinates taken every 250 meters along the route for each alternative alignment.

5. PHYSICAL SIZE OF THE ACTIVITY

Indicate the physical size of the preferred activity/technology as well as alternative activities/technologies (footprints):

Alternative:	Size of the activity:
Alternative A1 ² (preferred activity alternative)	±4 hectares
Alternative A2 (if any)	
Alternative A3 (if any)	m ²
or, for linear activities:	
Alternative:	Length of the activity:
Alternative A1 (preferred activity alternative)	M
Alternative A2 (if any)	M
Alternative A3 (if any)	M

Indicate the size of the alternative sites or servitudes (within which the above footprints will occur):

Alternative:	Size of the site/servitude:
Alternative A1 (preferred activity alternative)	±4 hectares
Alternative A2 (if any)	m ²
Alternative A3 (if any)	m ²

6. SITE ACCESS

Does ready access to the site exist, or is access directly from an existing road?

YES	
	M

If NO, what is the distance over which a new access road will be built?

Describe the type of access road planned:

Access to be obtained from the existing Venterskroon gravel road via access roads to the east and west of this road (refer to Appendix A for purposes of orientation).

Include the position of the access road on the site plan.

¹ "Alternative S.." refer to site alternatives.

² "Alternative A.." refer to activity, process, technology or other alternatives.

7. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT
(REFER TO ENGINEERING SERVICES REPORT, APPENDIX I)

7(a) Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase?

YES	<input type="checkbox"/>
Unknown	<input type="checkbox"/>

If yes, what estimated quantity will be produced per month?

How will the construction solid waste be disposed of (describe)?

Construction waste will be used as backfill for service installation and foundations – additional construction waste will be removed in waste skips by private contractors

Where will the construction solid waste be disposed of (describe)?

On site (backfill) / permitted waste disposal site (waste skips)

Will the activity produce solid waste during its operational phase?

YES	<input type="checkbox"/>
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If yes, what estimated quantity will be produced per month?

±100 m ³	<input type="checkbox"/>
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How will the solid waste be disposed of (describe)?

The proposed development will participate in the proposed refuse collection and recycling plan for the "Dome". Refuse will be classed and delivered to the proposed collection point at the Venterskroon turn-off on the Potch-Schoemansdrif road (proposed collection point 1) or alternatively the proposed collection point at the Venterskroon turn-off on the R53Potch Parys road (Appendix D).

Where will the solid waste be disposed if it does not feed into a municipal waste stream (describe)?

Not applicable.

If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the relevant legislation?

<input type="checkbox"/>	NO
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If yes, inform the competent authority and request a change to an application for scoping and EIA.

Is the activity that is being applied for a solid waste handling or treatment facility?

<input type="checkbox"/>	NO
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If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Describe the measures, if any, that will be taken to ensure the optimal reuse or recycling of materials:

The proposed development will participate in the proposed refuse collection and recycling plan for the "Dome". Refuse will be classed and delivered to the proposed collection point at the Venterskroon turn-off on the Potch-Schoemansdrif road (proposed collection point 1) or alternatively the proposed collection point at the Venterskroon turn-off on the R53PotchParys road (Appendix D).

Has a specialist been consulted to assist with the completion of this section?

<input type="checkbox"/>	NO
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If YES, please complete:

Name of the specialist:

Qualification(s) of the specialist:

Postal address:

Postal code:

Telephone: Cell:

E-mail: Fax:

Are any further specialist studies recommended by the specialist?

<input type="checkbox"/>	NO
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If YES, specify:

If YES, is such a report(s) attached?

YES	NO
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Signature of specialist: _____ Date:

7(b) Liquid effluent

Will the activity produce effluent, other than normal sewage, that will be disposed of in a Municipal sewage system?

<input type="checkbox"/>	NO
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If yes, what estimated quantity will be produced per month?

Will the activity produce any effluent that will be treated and/or disposed of on site?

Yes	<input type="checkbox"/>
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If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Will the activity produce effluent that will be treated and/or disposed of at another facility?

<input type="checkbox"/>	NO
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If yes, provide the particulars of the facility:

Facility name:

Contact person:

Postal address:

Postal code:

Telephone: Cell:

E-mail: Fax:

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

-

<input type="checkbox"/>	NO
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Has a specialist been consulted to assist with the completion of this section?

<input type="checkbox"/>	NO
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If YES, please complete:

Name of the specialist:

Qualification(s) of the specialist:

Postal address:

Postal code: _____
 Telephone: _____ Cell: _____
 E-mail: _____ Fax: _____
 Are any further specialist studies recommended by the specialist? YES NO
 If YES, specify: _____
 If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date: _____

7(c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere? YES NO
 If yes, is it controlled by any legislation of any sphere of government? YES NO
 If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.
 If no, describe the emissions in terms of type and concentration:

Temporary dust generation may be experienced during the construction period – this impact and mitigation measures are being discussed elsewhere in this report.

Has a specialist been consulted to assist with the completion of this section? YES NO

If YES, please complete:

Name of the specialist: _____
 Qualification(s) of the specialist: _____
 Postal address: _____
 Postal code: _____
 Telephone: _____ Cell: _____
 E-mail: _____ Fax: _____

Are any further specialist studies recommended by the specialist? YES NO

If YES, specify: _____

If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date: _____

7(d) Generation of noise

Will the activity generate noise? YES NO
 If yes, is it controlled by any legislation of any sphere of government? YES NO
 If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.
 If no, describe the noise in terms of type and level:

Normal noise connected to a development of this nature – low level

Has a specialist been consulted to assist with the completion of this section? YES NO

If YES, please complete:

Name of the specialist: _____
 Qualification(s) of the specialist: _____
 Postal address: _____
 Postal code: _____
 Telephone: _____ Cell: _____
 E-mail: _____ Fax: _____

Are any further specialist studies recommended by the specialist? YES NO

If YES, specify: _____

If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date: _____

8. WATER USE
 (REFER TO ENGINEERING SERVICES REPORT, APPENDIX I)

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es)

<input type="checkbox"/> municipal	<input type="checkbox"/> water board	<input checked="" type="checkbox"/> groundwater	<input type="checkbox"/> river, stream, dam or lake	<input type="checkbox"/> Other	<input type="checkbox"/> the activity will not use water
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If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month: ± 300 000 liters

Does the activity require a water use permit from the Department of Water Affairs and Forestry? YES NO

If yes, please submit the necessary application to the Department of Water Affairs and Forestry and attach proof thereof to this application if it has been submitted.

9. ENERGY EFFICIENCY

Describe the design measures, if any, that have been taken to ensure that the activity is energy efficient:

The owner will have the option of installing electricity card systems that may increase energy efficiency.

Describe how alternative energy sources have been taken into account or built into the design of the activity, if any:

The owner will have the option to make use of solar panels as a supplementing energy source.

10. SITE OR ROUTE PLANS (APPENDIX A)

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as Appendix A to this document. The site or route plans must indicate the following:

- 10(a) the scale of the plan which must be at least a scale of 1:50 000;
- 10(b) the property boundaries and numbers of all the properties within 50m of the site;
- 10(c) the current land use as well as the land use zoning of each of the properties adjoining the site or sites;
- 10(d) the exact position of each element of the application as well as any other structures on the site;
- 10(e) the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, street lights, sewage pipelines, storm water infrastructure and telecommunication infrastructure;
- 10(f) all trees and shrubs taller than 1.8m;
- 10(g) walls and fencing including details of the height and construction material;
- 10(h) servitudes indicating the purpose of the servitude;
- 10(i) sensitive environmental elements within 100m of the site or sites including (but not limited thereto):
 - rivers;
 - the 1:100 year flood line (where available or where it is required by DWAF);
 - ridges;
 - cultural and historical features;
 - areas with indigenous vegetation (even if it is degraded or invested with alien species);
- 10(j) for gentle slopes the 1m contour intervals must be indicated on the plan and whenever the slope of the site exceeds 1:10, the 500mm contours must be indicated on the plan; and
- 10(k) the positions from where photographs of the site were taken.

11. SITE PHOTOGRAPHS (APPENDIX B)

Colour photographs from the center of the site must be taken in at least the **eight** major compass directions with a description of each photograph. Photographs must be attached under Appendix B to this form. It should be supplemented with additional photographs of relevant features on the site, if applicable.

12. FACILITY ILLUSTRATION / LAYOUT PLAN (APPENDIX C)

A detailed illustration of the activity must be provided at a scale of 1:200 as Appendix C for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity.

13. ACTIVITY MOTIVATION

13(a) Socio-economic value of the activity

What is the expected capital value of the activity on completion?

What is the expected yearly income that will be generated by or as a result of the activity?

Will the activity contribute to service infrastructure or is it a public amenity?

How many new employment opportunities will be created in the development phase of the activity?

What is the expected value of the employment opportunities during the development phase?

What percentage of this will accrue to previously disadvantaged individuals?

How many permanent new employment opportunities will be created during the operational phase of the activity?

What is the expected current value of the employment opportunities during the first 10 years?

What percentage of this will accrue to previously disadvantaged individuals?

±R 15 million
±R 100 000
YES
±20
R25 000/m+
75%
20 +
±R 2 million
90%

13(b) Need and desirability of the activity

Motivate and explain the need and desirability of the activity (including demand for the activity):

The proposed activity will address an articulate need for accommodation as well as rural residential land tenure. It is desirable in that it does not contravene spatial planning initiatives for the area in question.

Indicate any benefits that the activity will have for society in general:

The proposed activity will contribute towards the strengthening of the local commercial sector.

Indicate any benefits that the activity will have for the local communities where the activity will be located:

The proposed activity will create employment opportunities during its construction and operational phases.

14. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

List all legislation, policies and/or guidelines of any sphere of government that are applicable to the application as contemplated in the EIA regulations, if applicable:

Title of legislation, policy or guideline:	Administering authority:	Date:
• Atmospheric Pollution Prevention Act (Act 45 of 1965)	Department of Health	1965
• Environment Conservation Act (Act 73 of 1989)	DEAT & Provincial counterparts	1989
• Hazardous Substance Act (Act 15 of 1973)	DME	1973
• Health Act (Act 63 of 1977)	Department of Health	1977
• National Environmental Management Act (Act 107 of 1998)	DEAT & Provincial counterparts	1998
• National Heritage Resources Act (Act 25 of 1999)	Department of Arts & Culture	1999
• National Water Act (Act 36 of 1998)	DWA&F	1998
• Occupational Health and Safety Act (Act 85 of 1993)	Department of Labour	1993

SECTION C: SITE/AREA DESCRIPTION

Important note: For linear activities (pipelines etc) as well as activities that cover very large sites, it may be necessary to complete Section C for each part of the site that has a significantly different environment. In such cases please complete copies of Section C and indicate the area, which is covered by each copy No. on the Site Plan.

1. GRADIENT OF THE SITE

Indicate the general gradient of the sites.

Alternative S1:

Flat	1:50 - 1:20	1:20 - 1:15	1:15 - 1:10	1:10 - 1:7,5	1:7,5 - 1:5	Steeper than 1:5
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Alternative S2:

Flat	1:50 - 1:20	1:20 - 1:15	1:15 - 1:10	1:10 - 1:7,5	1:7,5 - 1:5	Steeper than 1:5
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Alternative S3:

Flat	1:50 - 1:20	1:20 - 1:15	1:15 - 1:10	1:10 - 1:7,5	1:7,5 - 1:5	Steeper than 1:5
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2. LOCATION IN LANDSCAPE

Indicate the landform(s) that best describes the site.

Alternative S1:

Ridgeline	Plateau	Side slope of hill/mountain	Closed valley	Open valley	Plain	Undulating plain/low hills	Dune	Sea-front
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Alternative S2:

Ridgeline	Plateau	Side slope of hill/mountain	Closed valley	Open valley	Plain	Undulating plain/low hills	Dune	Sea-front
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Alternative S3:

Ridgeline	Plateau	Side slope of hill/mountain	Closed valley	Open valley	Plain	Undulating plain/low hills	Dune	Sea-front
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3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

Is the site(s) located on any of the following (tick the appropriate boxes)?

	Alternative S1:		Alternative S2:		Alternative S3:	
Shallow water table (less than 1.5m deep)	YES	NO	YES	NO	YES	NO
Dolomite, sinkhole or doline areas	YES	NO	YES	NO	YES	NO
Seasonally wet soils (often close to water bodies)	YES	NO	YES	NO	YES	NO
Unstable rocky slopes or steep slopes with loose soil	YES	NO	YES	NO	YES	NO
Dispersive soils (soils that dissolve in water)	YES	NO	YES	NO	YES	NO
Soils with high clay content (clay fraction more than 40%)	YES	NO	YES	NO	YES	NO
Any other unstable soil or geological feature	YES	NO	YES	NO	YES	NO
An area sensitive to erosion	YES	NO	YES	NO	YES	NO

If you are unsure about any of the above or if you are concerned that any of the above aspects may be an issue of concern in the application, an appropriate specialist should be appointed to assist in the completion of this section. (Information in respect of the above will often be available as part of the project information or at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by the Council for Geo Science may also be consulted).

Has a specialist been consulted to assist with the completion of this section? YES NO

If YES, please complete:

Name of the specialist: _____

Qualification(s) of the specialist: _____

Postal address: _____

Postal code: _____

Telephone: _____ Cell: _____

E-mail: _____ Fax: _____

Are any further specialist studies recommended by the specialist? YES NO

If YES, specify: _____

If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date: _____

4. GROUNDCOVER
(REFER TO ECOLOGICAL HABITAT SURVEY, APPENDIX K)

Tick the types of groundcover present on the site.

Alternative S1 (preferred clustered site layout alternative)

Natural veld - good condition	Natural veld with scattered aliens ^E	Natural veld with heavy alien infestation ^E	Veld dominated by alien species ^E	Gardens
Sport field	Cultivated land	Paved surface	Building or other structure	Bare soil

If any of the boxes marked with an "E" is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn't have the necessary expertise.

Has a specialist been consulted? YES [REDACTED]

If YES, please complete the following:

Name of the specialist:	R Terblanche – Anthene Ecological CC		
Qualification(s) of the specialist:	M.Sc <i>Cum Laude</i> , 1998: Botany: Ecology (North West Univesity)		
Postal address:	P.O. Box 20488 Noordbrug		
Postal code:	2522		
Telephone:	-	Cell:	082 614 6684
E-mail:	reinierf.terblanche@gmail.com	Fax:	-

Are there any rare or endangered flora or fauna species (including red data species) present on any of the alternative sites? YES NO

If YES, specify and explain: [REDACTED]

Are there any special or sensitive habitats or other natural features present on any of the alternative sites? YES NO

If YES, specify and explain: [REDACTED]

Are any further specialist studies recommended by the specialist? YES NO

If YES, specify: An ecological habitat study (Attached as Appendix E).

If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date: _____

The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

Alternative S2 (non-preferred linear riverine site layout alternative)

Natural veld - good condition	Natural veld with scattered aliens ^E	Natural veld with heavy alien infestation ^E	Veld dominated by alien species ^E	Gardens
Sport field	Cultivated land	Paved surface	Building or other structure	Bare soil

If any of the boxes marked with an "E" is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn't have the necessary expertise.

Has a specialist been consulted? YES [REDACTED]

If YES, please complete the following:

Name of the specialist:	R Terblanche – Anthene Ecological CC		
Qualification(s) of the specialist:	M.Sc <i>Cum Laude</i> , 1998: Botany: Ecology (North West Univesity)		
Postal address:	P.O. Box 20488 Noordbrug		
Postal code:	2522		
Telephone:	-	Cell:	082 614 6684
E-mail:	reinierf.terblanche@gmail.com	Fax:	-

Are there any rare or endangered flora or fauna species (including red data species) present on any of the alternative sites? YES NO

If YES, specify and explain: [REDACTED]

Are there any special or sensitive habitats or other natural features present on any of the alternative sites? YES NO

If YES, specify and explain: [REDACTED]

Are any further specialist studies recommended by the specialist? YES NO

If YES, specify:

If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date:

The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

Alternative S3 (not applicable)

Natural veld - good condition ^E	Natural veld with scattered aliens ^E	Natural veld with heavy alien infestation ^E	Veld dominated by alien species ^E	Gardens
Sport field	Cultivated land	Paved surface	Building or other structure	Bare soil

If any of the boxes marked with an "E" is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn't have the necessary expertise.

Has a specialist been consulted? YES NO

If YES, please complete the following:

Name of the specialist:

Qualification(s) of the specialist:

Postal address:

Postal code:

Telephone: Cell:

E-mail: Fax:

Are there any rare or endangered flora or fauna species (including red data species) present on any of the alternative sites? YES NO

If YES, specify and explain:

Are there any special or sensitive habitats or other natural features present on any of the alternative sites? YES NO

If YES, specify and explain:

Are any further specialist studies recommended by the specialist? YES NO

If YES, specify:

If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date:

The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

5. LAND USE CHARACTER OF SURROUNDING AREA

Mark land uses and/or prominent features that does currently occur within a 500m radius of the site

Alternative S1 (preferred clustered site layout alternative)

Natural area	Low density residential	Medium density residential	High density residential	Informal residential ^A
Retail	Commercial & warehousing	Light industrial	Medium industrial ^{AN}	Heavy industrial ^{AN}
Power station ^A	Office/consulting room	Military or police base/station/compound	Casino/entertainment complex	Hospitality facility
Open cast mine	Underground mine	Spoil heap or slimes dam ^A	Quarry, sand or borrow pit	Dam or reservoir
Hospital/medical center	School	Tertiary education facility	Church	Old age home
Sewage treatment plant ^A	Train station or shunting yard ^N	Railway line ^N	Major road (4 lanes or more) ^N	Airport ^N
Harbour	Sport facilities	Golf course	Polo fields	Filling station ^H
Landfill or waste treatment site ^A	Plantation	Agriculture	River, stream or wetland	Nature conservation area
Mountain, koppie or ridge	Museum	Historical building	Graveyard	Archeological site
Other land uses (describe):	<input type="text"/>			

If any of the boxes marked with an "N" are ticked, please consult an appropriate noise specialist to assist in the completion of this section.

Has a specialist been consulted? YES NO

If YES, please complete the following:

Name of the specialist:

Qualification(s) of the specialist:

Postal address:

Postal code: _____

Telephone: _____ Cell: _____

E-mail: _____ Fax: _____

Will the ambient noise level have a negative impact on the proposed activity? YES NO

If YES, specify and explain: _____

Are any further specialists or studies recommended by the specialist? YES NO

If YES, specify: _____

If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date: _____

If any of the boxes marked with an "A" are ticked, please consult an appropriate air quality specialist to assist in the completion of this section.

Has a specialist been consulted? YES NO

If YES, please complete the following:

Name of the specialist: _____

Qualification(s) of the specialist: _____

Postal address: _____

Postal code: _____

Telephone: _____ Cell: _____

E-mail: _____ Fax: _____

Will the ambient air pollution level have a negative impact on the proposed activity? YES NO

If YES, specify and explain: _____

Are any further specialist studies recommended by the specialist? YES NO

If YES, specify: _____

If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date: _____

If any of the boxes marked with an "H" are ticked, please consult an appropriate health assessment specialist to assist in the completion of this section.

Has a specialist been consulted? YES NO

If YES, please complete the following:

Name of the specialist: _____

Qualification(s) of the specialist: _____

Postal address: _____

Postal code: _____

Telephone: _____ Cell: _____

E-mail: _____ Fax: _____

Will the surrounding land use pose any unacceptable health risk on the proposed activity? YES NO

If YES, specify and explain: _____

Are any further specialist studies recommended by the specialist? YES NO

If YES, specify: _____

If YES, is such a report(s) attached? YES NO

Signature of specialist: _____ Date: _____

Alternative S2 (non-preferred linear riverine site layout alternative)

Natural area	Low density residential	Medium density residential	High density residential	Informal residential ^A
Retail	Commercial & warehousing	Light industrial	Medium industrial ^{AN}	Heavy industrial ^{AN}
Power station ^A	Office/consulting room	Military or police base/station/compound	Casino/entertainment complex	Hospitality facility
Open cast mine	Underground mine	Spoil heap or slimes dam ^A	Quarry, sand or borrow pit	Dam or reservoir
Hospital/medical center	School	Tertiary education facility	Church	Old age home
Sewage treatment plant ^A	Train station or shunting yard ^N	Railway line ^N	Major road (4 lanes or more) ^N	Airport ^N
Harbour	Sport facilities	Golf course	Polo fields	Filling station ^H
Landfill or waste treatment site ^A	Plantation	Agriculture	River, stream or wetland	Nature conservation area
Mountain, koppie or ridge	Museum	Historical building	Graveyard	Archeological site
Other land uses (describe):				

If any of the boxes marked with an "N" are ticked, please consult an appropriate noise specialist to assist in the completion of this section.

Has a specialist been consulted? YES NO

If YES, please complete the following:

Name of the specialist:			
Qualification(s) of the specialist:			
Postal address:			
Postal code:			
Telephone:		Cell:	
E-mail:		Fax:	
Will the ambient noise level have a negative impact on the proposed activity?	YES	NO	
If YES, specify and explain:			
Are any further specialist studies recommended by the specialist?	YES	NO	
If YES, specify:			
If YES, is such a report(s) attached?	YES	NO	

Signature of specialist: _____ Date: _____

If any of the boxes marked with an "A" are ticked, please consult an appropriate air quality specialist to assist in the completion of this section.

Has a specialist been consulted? YES NO

If YES, please complete the following:

Name of the specialist:			
Qualification(s) of the specialist:			
Postal address:			
Postal code:			
Telephone:		Cell:	
E-mail:		Fax:	
Will the ambient air pollution level have a negative impact on the proposed activity?	YES	NO	
If YES, specify and explain:			
Are any further specialist studies recommended by the specialist?	YES	NO	
If YES, specify:			
If YES, is such a report(s) attached?	YES	NO	

Signature of specialist: _____ Date: _____

If any of the boxes marked with an "H" are ticked, please consult an appropriate health assessment specialist to assist in the completion of this section.

Has a specialist been consulted? YES NO

If YES, please complete the following:

Name of the specialist:			
Qualification(s) of the specialist:			
Postal address:			
Postal code:			
Telephone:		Cell:	
E-mail:		Fax:	
Will the surrounding land use pose any unacceptable health risk on the proposed activity?	YES	NO	
If YES, specify and explain:			
Are any further specialist studies recommended by the specialist?	YES	NO	
If YES, specify:			
If YES, is such a report(s) attached?	YES	NO	

Signature of specialist: _____ Date: _____

Alternative S3 (not applicable)

Natural area	Low density residential	Medium density residential	High density residential	Informal residential ^A
Retail	Commercial & warehousing	Light industrial	Medium industrial ^{AN}	Heavy industrial ^{AN}
Power station ^A	Office/consulting room	Military or police base/station/compound	Casino/entertainment complex	Hospitality facility
Open cast mine	Underground mine	Spoil heap or slimes dam ^A	Quarry, sand or borrow pit	Dam or reservoir
Hospital/medical center	School	Tertiary education facility	Church	Old age home
Sewage treatment plant ^A	Train station or shunting yard ^N	Railway line ^N	Major road (4 lanes or more) ^N	Airport ^N

Harbour	Sport facilities	Golf course	Polo fields	Filling station ^H
Landfill or waste treatment site ^A	Plantation	Agriculture	River, stream or wetland	Nature conservation area
Mountain, koppie or ridge	Museum	Historical building	Graveyard	Archeological site
Other land uses (describe):				

If any of the boxes marked with an "N" are ticked, please consult an appropriate noise specialist to assist in the completion of this section.

Has a specialist been consulted?

YES	NO
-----	----

If YES, please complete the following:

Name of the specialist:

Qualification(s) of the specialist:

Postal address:

Postal code:

Telephone: Cell:

E-mail: Fax:

Will the ambient noise level have a negative impact on the proposed activity?

YES	NO
-----	----

If YES, specify and explain:

Are any further specialist studies recommended by the specialist?

YES	NO
-----	----

If YES, specify:

If YES, is such a report(s) attached?

YES	NO
-----	----

Signature of specialist: _____ Date:

If any of the boxes marked with an "A" are ticked, please consult an appropriate air quality specialist to assist in the completion of this section.

Has a specialist been consulted?

YES	NO
-----	----

If YES, please complete the following:

Name of the specialist:

Qualification(s) of the specialist:

Postal address:

Postal code:

Telephone: Cell:

E-mail: Fax:

Will the ambient air pollution level have a negative impact on the proposed activity?

YES	NO
-----	----

If YES, specify and explain:

Are any further specialist studies recommended by the specialist?

YES	NO
-----	----

If YES, specify:

If YES, is such a report(s) attached?

YES	NO
-----	----

Signature of specialist: _____ Date:

If any of the boxes marked with an "H" are ticked, please consult an appropriate health assessment specialist to assist in the completion of this section.

Has a specialist been consulted?

YES	NO
-----	----

If YES, please complete the following:

Name of the specialist:

Qualification(s) of the specialist:

Postal address:

Postal code:

Telephone: Cell:

E-mail: Fax:

Will the surrounding land use pose any unacceptable health risk on the proposed activity?

YES	NO
-----	----

If YES, specify and explain:

Are any further specialist studies recommended by the specialist?

YES	NO
-----	----

If YES, specify:

If YES, is such a report(s) attached?

--	--

Signature of specialist: _____ Date:

6. CULTURAL/HISTORICAL FEATURES
(REFER TO HERITAGE IMPACT ASSESSMENT, APPENDIX E)

Alternative S1 (preferred clustered site layout alternative)

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including archaeological or palaeontological sites, on or close (within 20m) to the site?	[REDACTED]	NO
Uncertain		
If YES, explain:		
If uncertain, conduct a specialist investigation by a recognised specialist in the field to establish whether there is such a feature(s) present on or close to the site.		
Briefly explain the findings of the specialist:		
Will any building or structure older than 60 years be affected in any way?		
NO		
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	[REDACTED]	NO
If yes, please submit or, make sure that the applicant or a specialist submits the necessary application to SAHRA or the relevant provincial heritage agency and attach proof thereof to this application if such application has been made.		

Alternative S2 (non-preferred linear riverine site layout alternative)

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including archaeological or palaeontological sites, on or close (within 20m) to the site?	[REDACTED]	NO
Uncertain		
If YES, explain:		
If uncertain, conduct a specialist investigation by a recognised specialist in the field to establish whether there is such a feature(s) present on or close to the site.		
Briefly explain the findings of the specialist:		
Will any building or structure older than 60 years be affected in any way?		
NO		
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	[REDACTED]	NO
If yes, please submit or, make sure that the applicant or a specialist submits the necessary application to SAHRA or the relevant provincial heritage agency and attach proof thereof to this application if such application has been made.		

Alternative S3 (not applicable)

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including archaeological or palaeontological sites, on or close (within 20m) to the site?	YES	NO
Uncertain		
If YES, explain:		
If uncertain, conduct a specialist investigation by a recognised specialist in the field to establish whether there is such a feature(s) present on or close to the site.		
Briefly explain the findings of the specialist:		
Will any building or structure older than 60 years be affected in any way?	YES	NO
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	YES	NO
If yes, please submit or, make sure that the applicant or a specialist submits the necessary application to SAHRA or the relevant provincial heritage agency and attach proof thereof to this application if such application has been made.		

SECTION D: PUBLIC PARTICIPATION

1. ADVERTISEMENT

The environmental assessment practitioner must follow any relevant guidelines adopted by the competent authority in respect of public participation and must at least –

- 1(a) Fix a notice in a conspicuous place, on the property where it is intended to undertake the activity which states that an application will be submitted to the competent authority in terms of these regulations and which provides information on the proposed nature and location of the activity, where further information on the proposed activity can be obtained and the manner in which representations on the application may be made (Appendix F1).
- 1(b) inform landowners and occupiers of adjacent land of the applicant's intention to submit an application to the competent authority (Appendix F2).
- 1(c) inform landowners and occupiers of land within 100 metres of the boundary of the property where it is proposed to undertake the activity and whom may be directly affected by the proposed activity of the applicant's intention to submit an application to the competent authority (Appendix F2);
- 1(d) inform the ward councillor and any organisation that represents the community in the area of the applicant's intention to submit an application to the competent authority (Appendix F3);
- 1(e) inform the municipality which has jurisdiction over the area in which the proposed activity will be undertaken of the applicant's intention to submit an application to the competent authority (Appendix F4); and
- 1(f) inform any organ of state that may have jurisdiction over any aspect of the activity of the applicant's intention to submit an application to the competent authority (Appendix F5); and
- 1(g) place a notice in one local newspaper or any *Gazette* that is published specifically for the purpose of providing notice to the public of applications made in terms of these regulations (Appendix F6).

2. CONTENT OF ADVERTISEMENTS AND NOTICES

Advertisements and notices must indicate that an application will be submitted to the competent authority in terms of the EIA regulations, the nature and location of the activity, where further information on the proposed activity can be obtained and the manner in which representations in respect of the application can be made;

3. PLACEMENT OF ADVERTISEMENTS AND NOTICES

Where the proposed activity may have impacts that extend beyond the municipal area where it is located, a notice must be placed in at least one provincial newspaper or national newspaper, indicating that an application will be submitted to the competent authority in terms of these regulations, the nature and location of the activity, where further information on the proposed activity can be obtained and the manner in which representations in respect of the application can be made, unless a notice has been placed in any *Gazette* that is published specifically for the purpose of providing notice to the public of applications made in terms of the EIA regulations.

Advertisements and notices must make provision for site alternatives where appropriate.

4. DETERMINATION OF APPROPRIATE MEASURES

The practitioner must ensure that the public participation is adequate and must determine whether a public meeting or any other additional measure is appropriate or not based on the particular nature of each case. Special attention should be given to the involvement of local community structures such as Ward Committees, ratepayers associations and traditional authorities where appropriate. Please note that public concerns that emerge at a later stage that should have been addressed may cause the competent authority to withdraw any authorisation it may have issued if it becomes apparent that the public participation process was inadequate.

5. COMMENTS AND RESPONSE REPORT

The practitioner must record all comments and respond to each comment of the public before the application is submitted. The comments and responses must be captured in a comments and response report as prescribed in the EIA regulations and be attached to this application. The comments and response report must be attached under Appendix F7.

6. LOCAL AUTHORITY PARTICIPATION

Local authorities are key interested and affected parties in each application and no decision on any application will be made before the relevant local authority is provided with the opportunity to give input. The planning and the environmental sections of the local authority must be informed of the application at least 30 (thirty) calendar days before the submission of the application.

Has any comment been received from the local authority?

YES NO

If "YES", briefly describe the feedback below (also attach any correspondence to and from the local authority to this application):

--

7. CONSULTATION WITH OTHER STAKEHOLDERS

Any stakeholder that has a direct interest in the site or property, such as servitude holders and service providers, should be informed of the application at least 30 (thirty) calendar days before the submission of the application and be provided with the opportunity to comment.

Has any comment been received from stakeholders?

NO

If "YES", briefly describe the feedback below (also attach copies of any correspondence to and from the stakeholders to this application):

--

8. REGISTER OF INTERESTED & AFFECTED PARTIES

NAME	CAPACITY	CONTACT DETAILS
Tlokwe Local Municipality	Governmental stakeholder	(018) 2995352

SECTION E: IMPACT ASSESSMENT

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2006, and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

1. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

List the issues raised by interested and affected parties and / or the EAP.

World Heritage Site Status

The subject property forms part of the Vredefort Dome that was listed by the United Nations Educational, Scientific and Cultural Organisation (UNESCO) as World Heritage Site in July 2005. The process to promulgate the area as such in terms of South African legislation still needs to be concluded. The preservation of the unique character of this area thus needs to be paramount in the development of any related development proposal. The non-compulsory Interim Guidelines for Development in the Vredefort Dome read together with an Article on Development in the Dome in Impact Magazine, Issue No. 3 (Appendix G) highlights the following factors as being crucial for the preservation of this area's unique character:

Visibility

New developments should be designed and built in such a way that it presents minimal visibility from roads and rivers. In instances where this is not possible due to topography or any other reason, the relevant Environmental Management Plan (EMP) must make provision for mitigation through the introduction of endemic shrubs and trees.

Subdivisions

The subdivision of farms is undesirable unless it represents a logical subdivision and/ or consolidation for example where a farm is being divided by a road. The ownership of a property by more than one owner that can each have his/her own residential unit is however not being excluded, as long as the property is still being managed as a unit.

Layout

If a development is being spread out evenly across an entire property it will lead to an increase in the required road, water, sanitation and electrical network. Together with an increase in visibility it may have a negative impact on the Dome's character. Clustered development is thus being proposed as an alternative to dispersed development.

River frontage

It is important only to develop a percentage of each property's river frontage and also to minimize visibility from the river.

Labour

Each development must make provision for the accommodation of labourers. There is not a town within the boundaries of the "Dome" if no provision is being made for labourers it may lead to informal settlement patterns.

Scale

The "Dome" consists of a large number of relatively small farms. Large developments will therefore almost always be close to an adjacent property. This may lead to a significant cumulative impact if approached in an indiscriminate manner. The emphasis should be on a larger number of smaller developments rather than a smaller (or larger) number of larger developments. Through this approach more landowners will be allowed to develop whilst at the same time preserving the prevalent unique rural character.

Light pollution

The limitation of light pollution does not necessarily mean that lights must be switched off at a certain time at night, but rather that light must be used in a sensible and effective manner. This may include the minimal use of floodlights that are not directed at rivers or into the air.

Cumulative effect

Indiscriminate and uncontrolled development trends may negatively impact on the unique rural character of the "Dome" and may also threaten its heritage status over time.

Response from the practitioner to the issues raised by the interested and affected parties (A full response must be given in the Comments and Response Report that must be attached to this report):

World Heritage Site Status

The location of the subject property within the Vredefort Dome as well as its status as a World Heritage Site forms a central theme of this assessment. To this extent the most important impacts that are highlighted in the non-compulsory Interim Guidelines for Development in the Vredefort Dome read together with an article on Development in the Dome in Impact Magazine, Issue No. 3 (Appendix G) are also listed and considered in this assessment. The Dome Meteorite Park Conservancy was also afforded the opportunity to comment on the proposed development (Appendix F2).

Visibility

The development layout has been designed in such a way that it presents minimal visibility from the Venterskroon road or the Vaal River. The visibility of Erven 9 and 10 (Appendix C) to the west of the Venterskroon Road are being minimized through the use of distance, topography and vegetation. The visibility of Erven 1-8 and 11 (Appendix C) to the east of the Venterskroon Road next to the Vaal River are being minimized by locating it a distance from the river frontage amongst natural vegetation.

Subdivisions

Portion 3 Buffelskloof will still be managed as a unit as before whilst the proposed development may only lead to an increase in ownership. To this extent the proposed development thus does not contravene the Interim Guidelines for Development in the Vredefort Dome (Appendix G).

Layout

The proposed development is not being spread out evenly across an entire property in a dispersed manner but has been grouped into three different clusters / development zones namely the proposed development along the Vaal River (Erven 1-8 & 11), the Employee's housing (Erf 10) and the Guest Lodge (Erf 9) (Appendix C). The resultant road, water, sanitation and electrical networks are therewith being limited and the potential visual impact is also being contained. To this extent the proposed development thus does not contravene the Interim Guidelines for Development in the Vredefort Dome (Appendix G).

River frontage

The proposed development does not take up the entire river frontage.

Labour

Erf 10 (Appendix C) of the proposed development makes provision for the accommodation of labourers. To this extent the proposed development conforms to the Interim Guidelines for Development in the Vredefort Dome (Appendix G).

Scale

The proposed development comprises approximately 5% of the total property size and represents a "smaller" development that needs to receive preference over "larger" developments.

Light pollution

Certain mitigation measures with regard to light pollution are being suggested elsewhere in this report.

Cumulative effect

The proposed development adheres to development guidelines that were laid down for the Vredefort Dome. In addition the proposed development proposal is being subjected to all legislative approval process. Through legislative and social compliance it is the intention of the applicant to procure a sustainable development that will not introduce or accelerate any potential negative cumulative impact with regard to the receiving environment.

2. IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN PHASE

List the potential site alternative related impacts (as appropriate) that are likely to occur as a result of the planning and design phase, including impacts relating to the choice of site alternatives.

Alternative S1 (preferred clustered site layout alternative)

Direct impacts:

New developments should be designed in such a way that it presents minimal visibility from roads and rivers. In instances where this is not possible due to topography or any other reason, the relevant Environmental Management Plan (EMP) must make provision for mitigation through the introduction of endemic shrubs and trees.

The subdivision of farms is undesirable unless it represents a logical subdivision and/ or consolidation for example where a farm is being divided by a road. The ownership of a property by more than one owner that can each have his/her own residential unit is however not being excluded, as long as the property is still being managed as a unit.

If a development is being spread out evenly across an entire property it will lead to an increase in the required road, water, sanitation and electrical network. Together with an increase in visibility it may have a negative impact on the "Dome"'s character. Clustered development is thus being proposed as an alternative to dispersed development.

It is important not to develop say more than 40% of each property's river frontage and also to minimize visibility from the river. Each development must make provision for the accommodation of labourers. There is not a town within the boundaries of the "Dome" if no provision is being made for labourers it may lead to informal settlement patterns.

The "Dome" consists of a large number of relatively small farms. Large developments will therefore almost always be close to an adjacent property. This may lead to a significant cumulative impact if approached in an indiscriminate manner. The emphasis should be on a larger number of smaller developments rather than a smaller (or larger) number of larger developments.

The limitation of light pollution does not necessarily mean that lights must be switched off at a certain time at night, but rather that light must be used in a sensible and effective manner. This may include the minimal use of floodlights that are not directed at rivers or into the air.

Indirect impacts:

In principle the proposed development may negatively impact on the unique rural residential character of the Vredefort Dome area as encribed in its world heritage status.

Cumulative impacts:

Indiscriminate and uncontrolled development trends may negatively impact on the unique rural character of the "Dome" and may also threaten its heritage status over time.

Alternative S2 (non-preferred linear riverine site layout alternative)

Direct impacts:

New developments should be designed in such a way that it presents minimal visibility from roads and rivers. In instances where this is not possible due to topography or any other reason, the relevant Environmental Management Plan (EMP) must make provision for mitigation through the introduction of endemic shrubs and trees.

The subdivision of farms is undesirable unless it represents a logical subdivision and/ or consolidation for example where a farm is being divided by a road. The ownership of a property by more than one owner that can each have his/her own residential unit is however not being excluded, as long as the property is still being managed as a unit.

If a development is being spread out evenly across an entire property it will lead to an increase in the required road, water, sanitation and electrical network. Together with an increase in visibility it may have a negative impact on the "Dome"'s character. Clustered development is thus being proposed as an alternative to dispersed development.

It is important not to develop say more than 40% of each property's river frontage and also to minimize visibility from the river. Each development must make provision for the accommodation of labourers. There is not a town within the boundaries of the "Dome" if no provision is being made for labourers it may lead to informal settlement patterns.

The "Dome" consists of a large number of relatively small farms. Large developments will therefore almost always be close to an adjacent property. This may lead to a significant cumulative impact if approached in an indiscriminate manner. The emphasis should be on a larger number of smaller developments rather than a smaller (or larger) number of larger developments.

The limitation of light pollution does not necessarily mean that lights must be switched off at a certain time at night, but rather that light must be used in a sensible and effective manner. This may include the minimal use of floodlights that are not directed at rivers or into the air.

Indirect impacts:

In principle the proposed development may negatively impact on the unique rural residential character of the Vredefort Dome area as encribed in its world heritage status.

Cumulative impacts:

Indiscriminate and uncontrolled development trends may negatively impact on the unique rural character of the "Dome" and may also threaten its heritage status over time.

Alternative S3 (not applicable)

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:

Loss of potential employment opportunities

Indirect impacts:

Loss of opportunity to strengthen the local commercial sector

Cumulative impacts:

-

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative S1 (preferred alt)

Alternative S2 (non-preferred alt)

Alternative S3 (not applicable)

Direct impacts:

VISIBILITY
This preferred clustered site layout alternative has been designed in such a way that it presents minimal visibility from the Venterskroon road or the Vaal River. The visibility of Erven 10 to 15 (Appendix C1) to the west of the Venterskroon Road are being minimized through the use of distance, topography and vegetation. The visibility of Erven 1-9 (Appendix C1) to the east of the Venterskroon Road next to the Vaal River are being minimized by locating it a distance from the river frontage amongst natural vegetation. The clustered approach that are being followed further minimizes visibility.

Direct impacts:

VISIBILITY
This non-preferred linear riverine site layout alternative does not minimize potential visual impacts to the same extent as the preferred clustered site layout alternative in that the units located on the river bank is being spread out in a dispersed and visually conspicuous manner (Appendix C2).

<p>MANAGEMENT The same management model that was previously used for Portion 3 Buffelskloof will still be applied and the property will still be managed as a unit.</p> <p>SERVICES A clustered layout design has been adopted (Appendix C1) as is being advocated in the Interim Guidelines for Development in the Vredefort Dome (Appendix G). This approach minimizes the extent of the resultant road, water, sanitation and electrical networks.</p> <p>COVERAGE & RIVER FRONTAGE The proposed layout (Appendix C1) has been design in such a way that it does not take up more than 40% of the property's river frontage.</p> <p>LABOURERS' HOUSING The proposed layout (Appendix C1) makes provision for the accommodation of labourers (Erf 10) as is being advocated in the Interim Guidelines for Development in the Vredefort Dome (Appendix G).</p> <p>SCALE The proposed development has also been designed to comprise only approximately 5% of the total property size – thereby placing it within a more preferred “smaller” development category.</p> <p>LIGHTING Lighting arrangements must be included in house plans that make minimal use of floodlights.</p> <p>Indirect impacts: The preservation of the unique character of the area already received recognition during the planning and design phase of the proposed development in that existing development guidelines were adhered to and the Dome Meteorite Park Conservancy was given the opportunity to provide comments.</p> <p>Cumulative impacts: The applicant strives towards a sustainable development that will not have a negative impact on the receiving environment through legislative and social compliance.</p>	<p>MANAGEMENT The same management model that was previously used for Portion 3 Buffelskloof will still be applied and the property will still be managed as a unit.</p> <p>SERVICES A linear or dispersed layout design has been adopted (Appendix C2). This design is not being advocated in the Interim Guidelines for Development in the Vredefort Dome (Appendix G). This approach also maximizes the extent of the resultant road, water, sanitation and electrical networks.</p> <p>COVERAGE & RIVER FRONTAGE The proposed layout (Appendix C2) has been design in such a way that it takes up more than 40% of the property's river frontage. It also makes provision for the accommodation of labourers (Erf 10).</p> <p>LABOURERS' HOUSING The proposed layout (Appendix C2) makes provision for the accommodation of labourers (Erf 10) as is being advocated in the Interim Guidelines for Development in the Vredefort Dome (Appendix G).</p> <p>SCALE The proposed development has also been designed to comprise only approximately 5% of the total property size – thereby placing it within a more preferred “smaller” development category.</p> <p>LIGHTING Lighting arrangements must be included in house plans that make minimal use of floodlights.</p> <p>Indirect impacts: The preservation of the unique character of the area already received recognition during the planning and design phase of the proposed development in that existing development guidelines were adhered to and the Dome Meteorite Park Conservancy was given the opportunity to provide comments. However as is apparent in the foregoing analysis, this non-preferred linear / dispersed site layout alternative adheres to a lesser extent to existing development guidelines than the preferred clustered site layout alternative.</p> <p>Cumulative impacts: The applicant strives towards a sustainable development that will not have a negative impact on the receiving environment through legislative and social compliance.</p>	
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List the potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the planning and design phase:

The proposed activity (private resort) conforms to spatial and social planning initiatives for the area and activity / technology alternatives were therefore not considered.

Alternative A1 (preferred alternative)

Direct impacts:

Indirect impacts:

Cumulative impacts:

Alternative A2 (not applicable)

Direct impacts:

Indirect impacts:

Cumulative impacts:

Alternative A3 (not applicable)

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:

Indirect impacts:

Cumulative impacts:

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative A1: (not applicable)	Alternative A2: (not applicable)	Alternative A3: (not applicable)

3. IMPACTS THAT MAY RESULT FROM THE CONSTRUCTION PHASE

List the potential site alternative related impacts (as appropriate) that are likely to occur as a result of the construction phase:

Alternative S1 (preferred clustered site layout alternative)

Direct impacts:

New developments should be built in such a way that it presents minimal visibility from roads and rivers. In instances where this is not possible due to topography or any other reason, the relevant Environmental Management Plan (EMP) must make provision for mitigation through the introduction of endemic shrubs and trees.

If a development is being spread out evenly across an entire property it will lead to an increase in the required road, water, sanitation and electrical network. Together with an increase in visibility it may have a negative impact on the “Dome”’s character. Clustered development is thus being proposed as an alternative to dispersed development.

Each development must make provision for the accommodation of labourers.

There is not a town within the boundaries of the “Dome” if no provision is being made for labourers it may lead to informal settlement patterns.

The limitation of light pollution does not necessarily mean that lights must be switched off at a certain time at night, but rather that light must be used in a sensible and effective manner. This may include the minimal use of floodlights that are not directed at rivers or into the air.

Indirect impacts:

In principle the proposed development may negatively impact on the unique rural residential character of the Vredefort Dome area as encribed in its world heritage status.

Cumulative impacts:

Indiscriminate and uncontrolled development trends may negatively impact on the unique rural character of the “Dome” and may also threaten its heritage status over time.

Alternative S2 (non-preferred linear riverine site layout alternative)

Direct impacts:

New developments should be built in such a way that it presents minimal visibility from roads and rivers. In instances where this is not possible due to topography or any other reason, the relevant Environmental Management Plan (EMP) must make provision for mitigation through the introduction of endemic shrubs and trees.

If a development is being spread out evenly across an entire property it will lead to an increase in the required road, water, sanitation and electrical network. Together with an increase in visibility it may have a negative impact on the "Dome"'s character. Clustered development is thus being proposed as an alternative to dispersed development.

Each development must make provision for the accommodation of labourers.

There is not a town within the boundaries of the "Dome" if no provision is being made for labourers it may lead to informal settlement patterns.

The limitation of light pollution does not necessarily mean that lights must be switched off at a certain time at night, but rather that light must be used in a sensible and effective manner. This may include the minimal use of floodlights that are not directed at rivers or into the air.

Indirect impacts:

In principle the proposed development may negatively impact on the unique rural residential character of the Vredefort Dome area as encribed in its world heritage status.

Cumulative impacts:

Indiscriminate and uncontrolled development trends may negatively impact on the unique rural character of the "Dome" and may also threaten its heritage status over time.

Alternative S3 (not applicable)

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:

Loss of potential employment opportunities

Indirect impacts:

Loss of opportunity to strengthen the local commercial sector

Cumulative impacts:

-

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative S1 (preferred alt)

Alternative S2 (non-preferred alt)

Alternative S3 (not applicable)

Direct impacts:

The construction of units must take place in such a way that it presents minimal visibility from the Venterskroon road or the Vaal River. Site clearing must take place with circumspection and natural vegetation must only be removed if necessary and in accordance with the relevant EMP. Natural material and neutral colours must be used where possible. Landscaping should take place by using endemic shrubs and trees in such a way that in minimized the visual impact of structures.

Service networks to the respective developments clusters must where possible follow existing disturbed ecological footprints.

During the construction phase labourers must be accomodated on Erf 10 (Appendix C1).

Lighting arrangements during construction must be restricted to

Direct impacts:

The construction of units must take place in such a way that it presents minimal visibility from the Venterskroon road or the Vaal River. Site clearing must take place with circumspection and natural vegetation must only be removed if necessary and in accordance with the relevant EMP. Natural material and neutral colours must be used where possible. Landscaping should take place by using endemic shrubs and trees in such a way that in minimized the visual impact of structures.

Service networks to the respective developments clusters must where possible follow existing disturbed ecological footprints.

During the construction phase labourers must be accomodated on Erf 10 (Appendix C2).

Lighting arrangements during construction must be restricted to

<p>working hours as laid down in the relevant EMP. Minimal use must be made of floodlights.</p> <p>Indirect impacts: Construction activities must not impact negatively on the unique character of the area, either through visual and social disruption or in any other manner.</p> <p>Cumulative impacts: The construction process must take place according to all relevant legislative control and permitting processes.</p>	<p>working hours as laid down in the relevant EMP. Minimal use must be made of floodlights.</p> <p>Indirect impacts: Construction activities must not impact negatively on the unique character of the area, either through visual and social disruption or in any other manner.</p> <p>Cumulative impacts: The construction process must take place according to all relevant legislative control and permitting processes.</p>	
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List the potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the construction phase:

The proposed activity (private resort) does not contradict spatial or social planning initiatives for the area and activity / technology alternatives were therefore not considered.

Alternative A1 (preferred alternative) (not applicable)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

Alternative A2 (not applicable)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

Alternative A3 (not applicable)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

No-go alternative (compulsory) (not applicable)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative A1:(not applicable)	Alternative A2: (not applicable)	Alternative A3: (not applicable)

4. IMPACTS THAT MAY RESULT FROM THE OPERATIONAL PHASE

List the potential site alternative related impacts (as appropriate) that are likely to occur as a result of the operational phase:

Alternative S1 (preferred clustered site layout alternative)

<p>Direct impacts:</p> <p>New developments should be maintained in such a way that it presents minimal visibility from roads and rivers. In instances where this is not possible due to topography or any other reason, the relevant Environmental Management Plan (EMP) must make provision for mitigation through the introduction of endemic shrubs and trees.</p> <p>Each development must make provision for the accommodation of labourers. There is not a town within the boundaries of the "Dome" if no provision is being made for labourers it may lead to informal settlement patterns.</p>

The limitation of light pollution does not necessarily mean that lights must be switched off at a certain time at night, but rather that light must be used in a sensible and effective manner. This may include the minimal use of floodlights that are not directed at rivers or into the air.

Indirect impacts:

In principle the proposed development may negatively impact on the unique rural residential character of the Vredefort Dome area as encribed in its world heritage status.

Cumulative impacts:

Indiscriminate and uncontrolled development trends may negatively impact on the unique rural character of the “Dome” and may also threaten its heritage status over time.

Alternative S2 (non-preferred linear riverine site layout alternative)

Direct impacts:

New developments should be maintained in such a way that it presents minimal visibility from roads and rivers. In instances where this is not possible due to topography or any other reason, the relevant Environmental Management Plan (EMP) must make provision for mitigation through the introduction of endemic shrubs and trees.

Each development must make provision for the accommodation of labourers. There is not a town within the boundaries of the “Dome” if no provision is being made for labourers it may lead to informal settlement patterns.

The limitation of light pollution does not necessarily mean that lights must be switched off at a certain time at night, but rather that light must be used in a sensible and effective manner. This may include the minimal use of floodlights that are not directed at rivers or into the air.

Indirect impacts:

In principle the proposed development may negatively impact on the unique rural residential character of the Vredefort Dome area as encribed in its world heritage status.

Cumulative impacts:

Indiscriminate and uncontrolled development trends may negatively impact on the unique rural character of the “Dome” and may also threaten its heritage status over time.

Alternative S3 (not applicable)

Direct impacts:

Indirect impacts:

Cumulative impacts:

No-go alternative (compulsory)

Direct impacts:

Loss of potential employment opportunities

Indirect impacts:

Loss of opportunity to strengthen the local commercial sector

Cumulative impacts:

-

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative S1 (preferred alt)

Alternative S2 (non-preferred alt)

Alternative S3

Direct impacts:

Only neutral colours and natural material must be used in the maintenance of structures.

Gardening and planting of trees must be done with minimal disturbance of natural vegetation and in such a way that structures are being screened from road and river.

Road, water, sanitation and electrical networks must be properly managed and maintained.

Labourers must be accommodated on Erf 10 (Appendix C1).

Minimal use must be made of floodlights. No lighting must be directed towards road or river.

Indirect impacts:

The unique character of the area must be taken into account and

Direct impacts:

Only neutral colours and natural material must be used in the maintenance of structures.

Gardening and planting of trees must be done with minimal disturbance of natural vegetation and in such a way that structures are being screened from road and river.

Road, water, sanitation and electrical networks must be properly managed and maintained.

Labourers must be accommodated on Erf 10 (Appendix C2).

Minimal use must be made of floodlights. No lighting must be directed towards road or river.

Indirect impacts:

The unique character of the area must be taken into account and

<p>preserved during the execution of all operational activities and duties.</p> <p>Cumulative impacts: All legislatives laws and by-laws must be adhered to during the execution of all operational activities and duties.</p>	<p>preserved during the execution of all operational activities and duties.</p> <p>Cumulative impacts: All legislatives laws and by-laws must be adhered to during the execution of all operational activities and duties.</p>	
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List the potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the operational phase:

The proposed activity (private resort) does not contravene spatial and social planning initiatives for the area and activity / technology alternatives were therefore not considered.

Alternative A1 (preferred alternative)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

Alternative A2 (not applicable)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

Alternative A3 (not applicable)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

No-go alternative (compulsory)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative A1 (N.A.)	Alternative A2 (N.A.)	Alternative A3 (N.A.)

5. IMPACTS THAT MAY RESULT FROM THE DECOMMISSIONING AND CLOSURE PHASE

List the potential site alternative related impacts (as appropriate) that are likely to occur as a result of the decommissioning or closure phase:

Due to the permanent nature of the proposed development impacts that may result from the decommissioning and closure phase were not identified

Alternative S1 (preferred alternative)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

Alternative S2 (not applicable)

<p>Direct impacts:</p> <p>Indirect impacts:</p> <p>Cumulative impacts:</p>

Alternative S3 (not applicable)		
<i>Direct impacts:</i>		
<i>Indirect impacts:</i>		
<i>Cumulative impacts:</i>		
No-go alternative (compulsory)		
<i>Direct impacts:</i>		
<i>Indirect impacts:</i>		
<i>Cumulative impacts:</i>		
Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:		
Alternative S1 (N.A.)	Alternative S2 (N.A.)	Alternative S3 (N.A.)

List the potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the decommissioning and closure phase:

Alternative A1 (preferred alternative) (not applicable)		
<i>Direct impacts:</i>		
<i>Indirect impacts:</i>		
<i>Cumulative impacts:</i>		
Alternative A2 (not applicable)		
<i>Direct impacts:</i>		
<i>Indirect impacts:</i>		
<i>Cumulative impacts:</i>		
Alternative A3 (not applicable)		
<i>Direct impacts:</i>		
<i>Indirect impacts:</i>		
<i>Cumulative impacts:</i>		
No-go alternative (compulsory) (not applicable)		
<i>Direct impacts:</i>		
<i>Indirect impacts:</i>		
<i>Cumulative impacts:</i>		
Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:		
Alternative A1 (N.A.)	Alternative A2 (N.A.)	Alternative A3 (N.A.)

6. PROPOSED MANAGEMENT OF IMPACTS AND MITIGATION

Indicate how identified impacts and mitigation will be monitored and/or audited.

Alternative S1 (preferred alt)	Alternative S2 (non-preferred alt)	Alternative S3 (N.A.)
The appointment of an Environmental Control Officer to monitor and / or audit the proposed development according to the provisos of an Environmental Management Plan as well as the relevant Record of Decision	The appointment of an Environmental Control Officer to monitor and / or audit the proposed development according to the provisos of an Environmental Management Plan as well as the relevant Record of Decision	
Alternative A1 (N.A.)	Alternative A2 (N.A.)	Alternative A3 (N.A.)

7. ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, please provide an environmental impact statement that sums up the impact that the proposed activity and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

Alternative S1 (preferred clustered site layout alternative)
The proposed development footprint to a large extent consists of biologically degraded land (Appendix B). New ecological footprints (Erven 1-8, 11, 13, 14 & 15, Appendix C1) as far as possible have been demarcated on areas

characterized by natural bush clearing. Furthermore a clustered site layout approach has been followed in order to minimize potential visual, ecological and service delivery impacts.

An ecological habitat survey (Appendix K) does not reveal the presence of any Red Data species or any other sensitive ecological areas on the proposed and existing ecological footprints.

A geotechnical report that was commissioned (Appendix E) does not reveal any geological anomalies representing adverse impacts with regard to the proposed development.

An Engineering Services Report (Appendix I) confirms that services can be delivered to the proposed residential development.

It also became apparent during the assessment that the development proposal broadly complies with the non-compulsory interim guidelines for development laid down by the Dome Meteorite Park Conservancy (Appendix G).

A social impact assessment of the area in relation to the proposed development did not reveal any 'fatal flaws' or negative impacts that cannot be mitigated and the implementation of the proposed development is recommended. The relevant report (Appendix L) also refers to compliance of the proposed development to spatial planning initiatives for the area in question and finds it to be fully compatible with its socio-economic environment. Mitigation measures proposed in the relevant report should be read and implemented together with the relevant Environmental Management Plan (EMP).

A Heritage Impact Assessment report was also commissioned and recommends the proposed development from a heritage point of view.

During the proposed public participation process no objections were received from potential Interested and Affected Parties.

Thus, based on the aforesaid and the assessment of potential impacts and given the effective application of the recommended mitigating measures, the proposed development should not represent a drastic environmental change with regard to present land use practices, social patterns, socio-economic conditions, environmental sensitivity, seasonal presence and other related aspects.

Alternative S2 (non-preferred linear riverine site layout alternative)

The proposed development footprint to a large extent consists of biologically degraded land (Appendix B). New ecological footprints (Erven 1-8, Appendix C2) as far as possible have been demarcated on areas characterized by natural bush clearing. A linear approach has been followed with the placement of the residential units along the bank of the Vaal River. This approach increases visibility and it also increases the potential ecological and service delivery impacts of the proposed development.

An ecological habitat survey (Appendix K) does not reveal the presence of any Red Data species or any other sensitive ecological areas on the proposed and existing ecological footprints.

A geotechnical report that was commissioned (Appendix E) does not reveal any geological anomalies representing adverse impacts with regard to the proposed development.

An Engineering Services Report (Appendix I) confirms that services can be delivered to the proposed residential development.

It also became apparent during the assessment that the development proposal broadly complies with the non-compulsory interim guidelines for development laid down by the Dome Meteorite Park Conservancy (Appendix G). However, this specific layout complies to a lesser extent to these guidelines than the preferred clustered layout alternative (Appendix C1).

A social impact assessment of the area in relation to the proposed development did not reveal any 'fatal flaws' or negative impacts that cannot be mitigated and the implementation of the proposed development is recommended. The relevant report (Appendix L) also refers to compliance of the proposed development to spatial planning initiatives for the area in question and finds it to be fully compatible with its socio-economic environment. Mitigation measures proposed in the relevant report should be read and implemented together with the relevant Environmental Management Plan (EMP).

A Heritage Impact Assessment report was also commissioned and recommends the proposed development from a heritage point of view.

During the proposed public participation process no objections were received from potential Interested and Affected Parties.

Thus, based on the aforesaid and the assessment of potential impacts and given the effective application of the recommended mitigating measures, the proposed development should not represent a drastic environmental change with regard to present land use practices, social patterns, socio-economic conditions, environmental sensitivity, seasonal presence and other related aspects.

However, since the proposed clustered site layout alternative shows higher compliance to the principles of the non-compulsory interim guidelines for development laid down by the Dome Meteorite Park Conservancy (Appendix G) than this linear approach, the clustered site layout alternative should receive preference.

Alternative S3 (not applicable)

Alternative A1 (preferred alternative) (not applicable)

Alternative A2 (not applicable)

Alternative A3 (not applicable)

No-go alternative (compulsory)

If the development does not continue it will lead to a loss of potential employment opportunities and the potential strengthening of the local commercial sector.

8. RECOMMENDATION OF PRACTITIONER

Is the information contained in this report and the documentation attached hereto sufficient to

YES

make a decision in respect of the activity applied for (in the view of the environmental assessment practitioner).

If "NO", indicate the aspects that should be assessed further as part of a Scoping and EIA process before a decision can be made (list the aspects that require further assessment):

If "YES", please list any recommended conditions, including mitigation measures, that should be considered for inclusion in any authorisation that may be granted by the competent authority in respect of the application:

The appointment of an Environmental Control Officer to oversee the implementation of the proposed development should serve as condition for environmental authorization.

SECTION F: APPENDIXES

Appendix A: Site / Locality plan

Appendix B: Photographs

Appendix C: Facility illustration / Layout plan

Appendix D: Proposed Dome Refuse Removal & Recycling Plan

Appendix E: Geotechnical Investigation Report

Appendix F: Public Participation:

Appendix F1: On-site notice

Appendix F2: Notification of neighbouring landowners and Dome Meteorite Park Conservancy

Appendix F3: Notification of ward councilor

Appendix F4: Notification of municipality

Appendix F5: Notification of Department of Water Affairs

Appendix F6: Advertisement in Provincial Gazette

Appendix F7: Comments and response report

Appendix G: Non-compulsory Interim Guidelines for Development in the Vredefort Dome & Article on Development in the Dome, Impact Magazine, Issue No 3

Appendix H: Expertise and qualifications of Environmental Assessment Practitioner

Appendix I: Engineering services report and water quantity & quality results

Appendix J: Draft Environmental Management Plan

Appendix K: Ecological Habitat Survey

Appendix L: Social Impact Assessment

Appendix M: Heritage Impact Assessment

APPENDIX A: LOCALITY PLAN

LOCALITY PLAN

Property Description

Portion 3 of the Farm Buffelskloof
Nr 511, Registration Division I.Q.,
North West Province

The Site



Coordinates:
26°52'09"S
27°17'00"E

APPENDIX B: PHOTOGRAPHS

From the centre of Erf 9 (Guest Lodge) to the north



From the centre of Erf 9 (Guest Lodge) to the north east



From the centre of Erf 9 (Guest Lodge) to the east



From the centre of Erf 9 (Guest Lodge) to the south east



From the centre of Erf 9 (Guest Lodge) to the south



From the centre of Erf 9 (Guest Lodge) to the south west



From the centre of Erf 9 (Guest Lodge) to the west



From the centre of Erf 9 (Guest Lodge) to the north west



From the centre of a proposed residential unit stand to the north



From the centre of a proposed residential unit stand to the north east



From the centre of a proposed residential unit stand to the east



From the centre of a proposed residential unit stand to the south east



From the centre of a proposed residential unit stand to the south



From the centre of a proposed residential unit stand to the south west



From the centre of a proposed residential unit stand to the west

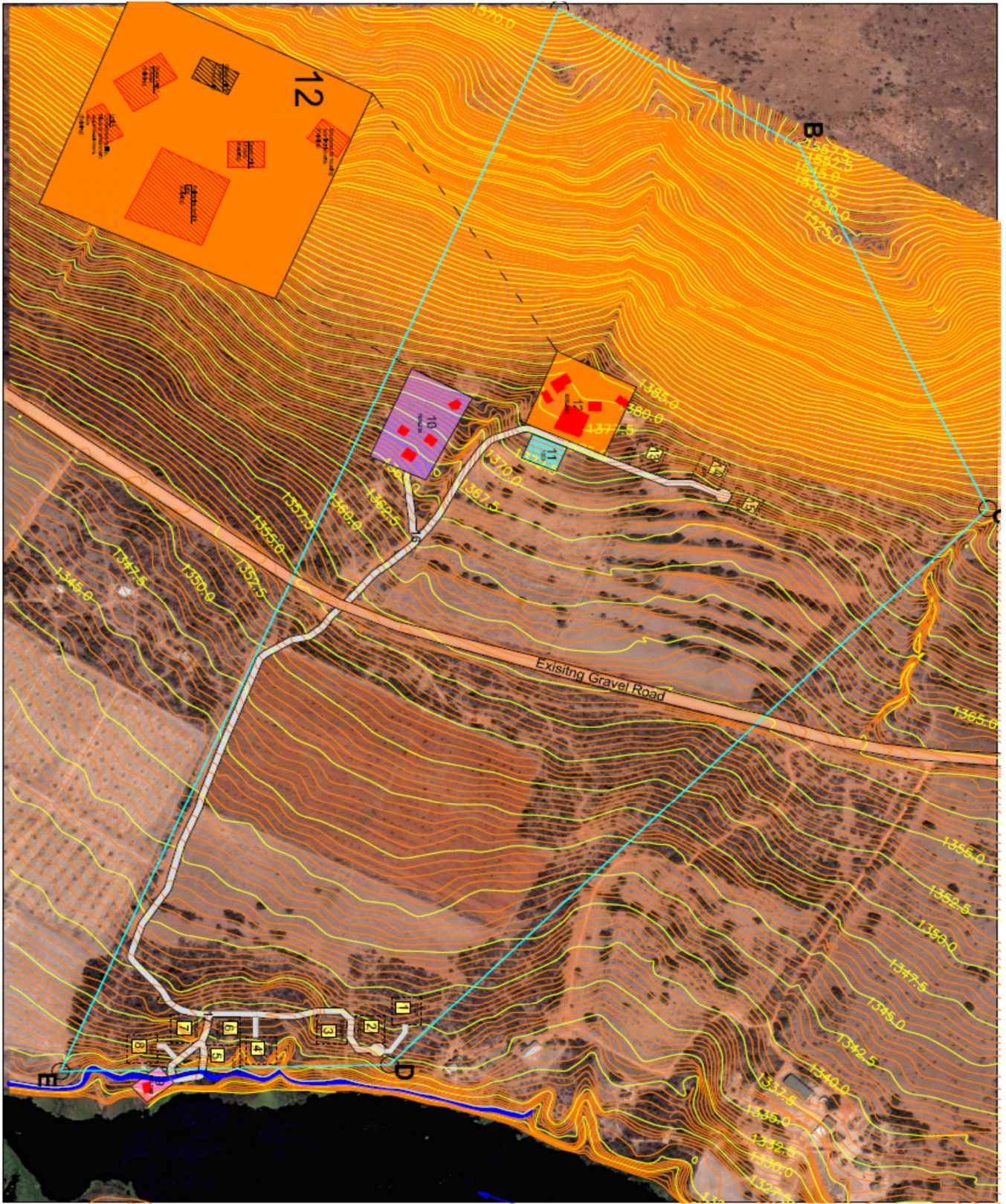


From the centre of a proposed residential unit stand to the north west



APPENDIX C: FACILITY ILLUSTRATION / LAYOUT PLANS

Appendix C1: Preferred clustered riverine site layout plan



Appendix C2: Non-preferred linear riverine site layout plan



**APPENDIX D: PROPOSED DOME REFUSE REMOVAL & RECYCLING
PLAN (IMPACT MAGAZINE NO. 3)**

res van die familie, van middelmatige grootte. Die naam van hierdie spesie is beskrywend van die neutkraker gaping tussen sy bobek en onderbek wanneer sy snawel gesluit is. Die voël se kleur is donkerbruin tot swart met 'n groenerige glans oor sy rug, nek en bors. Die snawel en bene is swart. Die Oopbekooievaar se habitat is binnelandse waters soos mere, moerasse, vloedvlaktes en vlak dele in riviere. Hulle is

dieetspesialiste en voed gewoonlik een-een op slakke en varswatmossels wat hulle met hulle groot snawels uit die vlak modderwater haal en dan behendig die vleis uit die dop kry sonder om dit te breek. As hulle nie waad vir kos nie vergader hulle in swerms op die grond, maar as dit slaaptid is kom hulle bymekaar in kolonies in bome. Oopbekooievaarders broei gedurende die somermaande in broeikolonies in bome of rietbosse bokant die water. Die nes word

gebou van stokke en takkies en die binnekant word met sagte waterplante uitgevoer. Die bouwerk word deur beide geslagte gedoen. Drie tot vier dowwe wit eiers word gelê en neem ongeveer 25 dae om uit te broei, 'n taak wat ook deur albei geslagte verrig word. Die kuikens bly ongeveer 80 dae in die nes waartydens hulle deur albei ouers gevoer word.

Bronne: Robert's Birds of Southern Africa

Vordering met Rommelherwinningsplan vir die Koepel

Gerhard Benadé



In die vorige Impak is 'n rommelherwinnings- en verwyderingsplan vir die Koepel aangekondig, wat intussen groot aanklank by die grondeienaars en veral die bedrywers van gastehuse en avontuur-oorde gevind het. Die hooftrekke van die plan lyk so:

Motivering

Nasionale wetgewing, wat op munisipale vlak uitgevoer moet word, bepaal dat waardevolle afvalstowwe hergebruik moet word, en gee riglyne aan private firmas wat tot hierdie winsgewende bedryf wil toetree. Vir die privaathuishoudings of enige sake-onderneming by wie rommel ontstaan, beteken dit dat die rommel in die verskillende kategorieë geskei, en aan die rommelherwinningsfirmas besorg moet word.

Verwydering

Die firma Parys Herwinning onder die bestuur van Michael Harmse het na samesprekings met verteenwoordigers van die Bewarea ingestem om die herwinbare rommel in die hele Koepelgebied vanaf bepaalde optelpunte sonder enige koste te versamel. Vir eers sal slegs herwinbare rommel verwyder word, maar indien die stelsel goed ondersteun word en daar voldoende inkomste uit die rommel gegenereer word, kan die diens in die toekoms na die verwydering ook van die resrommel, dws. die onbruikbare afval uitgebrei word.

Stortingsterreine

Die verwyderingsplan voorsien die

oprigting van sewe optelpunte, waar die Koepelinwoners hulle herwinbare rommel in groot metaalhouers sal kan weggooi. Hierdie terreine is strategies geplaas om dit enersyds vir alle inwoners maklik bereikbaar te maak, en andersyds die roete vir Parys Herwinning so kort en eenvoudig as moontlik te hou. Gastehuse en ander groot produsente van rommel kan aansoek doen om groot 4-kubieke meter sakke op hulle persele. Die rommel kan dan in die sakke geskei word en deur Parys Herwinning afgehaal word.

Rommelskeiding

Van privaathuishoudings en kleiner rommelprodusente word verwag om hulle rommel in 'n geskikte opgaarstelsel te skei en dan self by die stortingsterreine in die houers weg te gooi.

'n Nuwe Afvalparadigma

Deur die gerieflike rommelverwyderingsdienste in die stede en dorpe, en ook die tradisionele asgat op die plase, het ons oor die jare gewoon geraak daaraan dat die afval wat in die verloop van ons daaglikse lewens ontstaan, eenvoudig verdwyn. Min mense het hulle gekwel oor die groot vermorsing van waardevolle stowwe en oor die bedenklieke besoedeling van die omgewing wat deur hierdie tradisionele manier van doen veroorsaak is.

Vandag is dit nie meer moontlik nie: Die oorbevolking van die aarde, die knaapheid van die grondstowwe, en die degradering van die omgewing, dwing ons om ons omgang met afval te oordink. Maar gewoonte en gemaksg

maak dit 'n moeilike omskakelingsproses. Daarom wil die Bewarea met 'n gerieflike en goedkoop herwinningsplan dit so maklik as moontlik maak om hierdie baie noodsaaklike opvoedingsproses aan die gang te kry.

Wat moet ek doen?

Elke grondeienaar of produkaanbieder moet daarvoor verantwoordelikheid neem om sy rommel in die vier verskillende herwinbare kategorieë te skei: Al die vele soorte plastiek en polistireen hoort eenkant, die glas, die metaal, en die papier. Dit is die stowwe waarmee die herwinningsfirma sy geld verdien en wat hom in staat stel om die verwyderingsdiens gratis aan te bied. Hierdie stowwe moet skoon en suiwer geskei wees: Bottels leeg en gespoel, geen kosreste in verpakings nie, geen doppies op plastiekbottels nie. Vir die vyfde en sesde rommelkategorieë, organiese afval en resrommel, is die eienaar volledig verantwoordelik. Die ideaal is dat hy die organiese afval op die perseel verkomposteer. Dit wat oorbly is dan reeds so min dat dit met min moeite self verwyder kan word. En, soos gesê, wanneer die stelsel goed op dreef is, bestaan die vooruitsig dat ook hierdie rommel kosteloos weggery word.

Wanneer kan ons begin?

Daar is drie onafhanklike maniere om die stelsel op dreef te kry:

- Die gastehuse en ander groot rommelprodusente kan dadelik by die kontaknommer hieronder aanmeld sodat Parys Herwinning hulle sakke kan reël en 'n

verwyderingsroete en -skedule kan uitwerk. Op die perseel sal 'n redelik groot area ingerig moet word waar 4 sulke sakke langs mekaar plek het.

- 'n Battery van minstens 4 sakke of blikke is by elke huishouding nodig om die rommel te skei en vir latere storting op te gaar. Tans word 'n stelsel ontwikkel wat uit ses sterk sakke in 'n raamwerk met deksels bestaan: Vier vir die herwinbare afval, en twee vir resrommel. Die vol sakke kan maklik uitgetel word, leeggemaak word, en neem minstens op die terugrit min plek in. Alternatiewelik kan die eienaar self eenvoudig minstens vier vuilgoedblikke koop en dadelik begin skei.
- Die stortingsterreine moet ontwikkel word. Omdat hierdie terreine op privaateiendom opgerig sal moet word en sekerlik 'n redelike infrastruktuur sal vereis, is daar toestemmings- en koste-implikasies en sal dit dus nie oornag plaasvind nie.

'n Stewige heining, hek en deksels vir die houe om diere buite, en die rommel binne te hou, gereelde instandhouding om dit netjies te hou, en maatreëls om die terrein aan minimum estetiese standaarde te laat voldoen is nodig. Daar kan byvoorbeeld struik geplant word om die

houers weg te steek, of die terrein kan met riete toegemaak word. Gelukkig het twee eienaars reeds grond opsy gesit en kan die diens met verdrag ingefaseer word. Hierdie twee punte behoort binnekort in werking te wees.

Schoemanshof

GP Schoeman stel die hoek by die aansluiting van die Skandinawië-drifpad by die pad tussen Potchefstroom en Schoemansdrif beskikbaar. Dit is 'n gerieflike terrein vir almal, ook Vrystaters, wat in die rigting van Potchefstroom ry. Van Venterskroon af hoef 'n mens slegs omtrent 4 km terug te ry.

Kopjeskraal

Christo Meyer stel 'n terrein reg oorkant sy ingangshek beskikbaar. Dit is naby die bymeekaarkomput van die onderste en boonste Kopjeskraal-paaie, en is dus 'n gerieflike aflaai plek vir Koepelbewoners wat in die rigting van Parys op pad is.

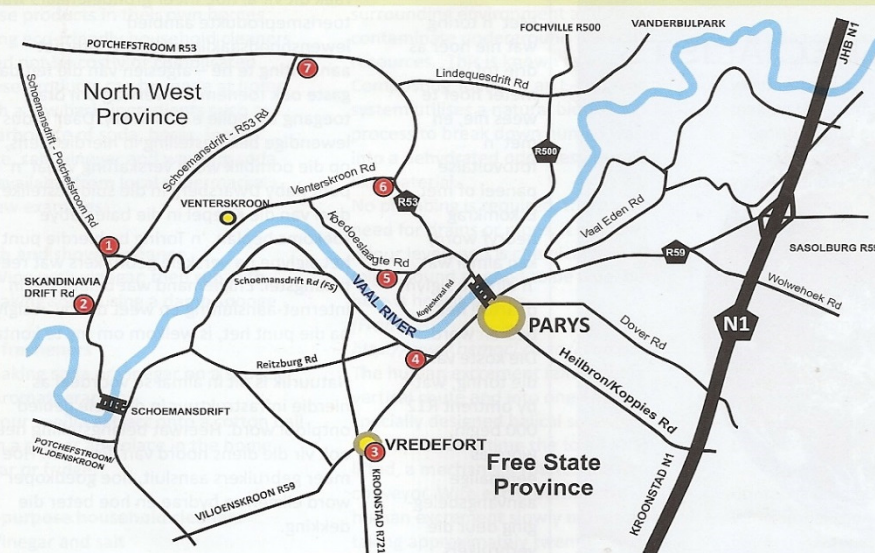
As 'n mens die bakkievragte swartsakke sien wat dikwels by Vredefort se stortingsterrein afgelaai word, is dit duidelik dat daar heelwat mense is wat na die inwerkingtrede van hierdie herwinningsplan uitsien. Dit moet egter beklemtoon word dat die stelsel van ons 'n nuwe manier van

dink oor afval vereis. Niemand gaan jou rommel verniet wegy as dit, soos teenswoordig die geval is, onnadenkend in 'n sak geprop word nie. Die eintlike doelwit is nie soseer om daarvan ontslae te raak nie, maar om eers die waardevolle stowwe uit te sorteer en die volume van die werklike afval so te verminder.

Bewuswording van die afvalprobleem is noodwendig, en heelwat opleiding sal ook nodig wees, byvoorbeeld van kombuispersoneel, voordat die stelsel suksesvol kan wees. In die lande waar afvalherwinning reeds lankal bedryf word, is 'n verdere positiewe verskynsel dat die ontstaan van afval reeds in die kiem gesmoor word – afvalvermyding. Die druk wat die afvalbewuste verbruiker op die mark uitoefen, dwing verskaffers van produkte om minder verpakking en beter herbenutbare materiale te gebruik. Hier het ons in Suid-Afrika nog 'n lang pad vorentoe, maar juis daarom is ons eie herwinningspoging in die Koepel so belangrik.

Gerhard Benadé

gerhard@deelfontein.co.za
083 280 9784



Invoeringspunte vir Koepel rommelverwyderingsplan

1. Afdraai van die Potch-Schoemansdrifpad na Venterskroon (naby Dome Lodge)
2. Afdraai van die Potch-Schoemansdrif-pad na Skandinawiëdrif
3. Vredefort-stortingsterrein
4. Afdraai na Schoemansdrif net buite Parys (R721)
5. Optelpunt oorkant Kopjeskraal Country Lodge op Koedoeslaagtepad
6. Afdraai na Venterskroon op Potch-Paryspad (R53)
7. Afdraai na Schoemansdrif op Potch-Paryspad (R53)

APPENDIX E: HERITAGE IMPACT ASSESSMENT



AFRICAN HERITAGE CONSULTANTS CC

2001/077745/23

DR. UDO S KÜSEL

Tel: (012) 567 6046 Fax: 086 594 9721
Cell: 082 498 0673
E-mail: udo@nconnect.co.za
Website: www.africanheritage.co.za

P.O. Box 652
Magalieskruin
0150

9 December 2011

CULTURAL HERITAGE RESOURCES IMPACT ASSESSMENT OF PORTIONS OF PORTION 3 OF THE FARM BUFFELSKLOOF 511 IQ NORTH WEST PROVINCE

1. DEFINITION

The broad generic term *Cultural Heritage Resources* refers to any physical and spiritual property associated with past and present human use or occupation of the environment, cultural activities and history. The term includes sites, structures, places, natural features and material of palaeontological, archaeological, historical, aesthetic, scientific, architectural, religious, symbolic or traditional importance to specific individuals or groups, traditional systems of cultural practice, belief or social interaction.

2. PROTECTED SITES IN TERMS OF THE NATIONAL HERITAGE ACT, Act. NO. 25 OF 1999

The following are the most important sites and objects protected by the National Heritage Act:

- 1.1 Structures or parts of structures older than 60 years.
- 1.2 Archaeological sites and objects.
- 1.3 Palaeontological sites.
- 1.4 Meteorites.
- 1.5 Ship wrecks.
- 1.6 Burial grounds.
- 1.7 Graves of victims of conflict.
- 1.8 Public monuments and memorials.
- 1.9 Structures, places and objects protected through the publication of notices in the Gazette and Provincial Gazette.
- 1.10 Any other places or object, which is considered to be of interest or of historical or cultural significance.
- 1.11 Geological sites of scientific or cultural importance.
- 1.12 Sites of significance relating to the history of slavery in South Africa.
- 1.13 Objects to which oral traditions are attached.
- 1.14 Sites of cultural significance or other value to a community or pattern of South African history.

3. METHODOLOGY

The site was visited and inspected on foot. All appropriate documents on the area were studied.

4. RESULTS

The possible heritage sites on the farm were visited together with farm workers who have been on the farm for many years.

The following heritage sites were recorded:

- Two graves of the Möller family underneath a large tree at S26° 52' 6.5" & E27° 17' 0.9" were recorded. Christina Möller died on 18 December 1930 and another Christina Möller died on 16 December 1931- see photograph below and Google Map page 9, No 1.



According to the farm workers the original house stood where the modern swimming pool is situated at present.

- A second cemetery with eight graves was recorded at S26° 52' 17.87" & E27° 17' 23.4". The graves might also date to the 1930/40`s and are overgrown by trees and shrubs to such an extent that the graves are difficult to spot – see photograph below and Google Map page 9, No.2.



- At S26° 52' 8.2" & E27° 17' 16.7" are eight modern graves of farm workers – see photograph below and Google Map page 9, No.3



- Gold was mined in the Vredefort Dome area at the end of the 19th and beginning of the 20th century. A number of small gold digging quarries occur on the farm. The two largest are at:

S26° 52' 10.5" & E27° 17' 11.0" - see photograph below and Google Map page 9, No.4



S26° 52' 24.6" & E27° 17' 23.4" - see photograph below and Google Map page 9, No.5



- A Late Iron Age archaeological site was found at S26° 52' 1.3" & E27° 17' 1.7". The site is relative small and consists of a number of low semi circular stone walls. The site is overgrown by dense bush veldt vegetation – see photograph below and Google Map page 9, No.6.



The two cemeteries will be cleaned and fenced in. The archaeological site will also not be affected by the proposed development.

5. EVALUATION AND RATING (FIELD RATING)

5.1 Cemeteries

The cemeteries are important and should be cleaned and fenced in. They are given a field rating of IV C.

5.2 Gold Quarries

In the area where the gold quarries were recorded far better sites exist on the mountain slopes. The quarries are only of local interest and given a field rating of IV C.

5.3 Late Iron Age Site

The site is a typical Late Tswana site of the south Transvaal. The site is relatively small and of local interest and is given a field rating of IV B.

6. STATEMENT OF SIGNIFICANCE (HERITAGE VALUE)

All the recorded sites are of low heritage value.

7. RECOMMENDATIONS

It is recommended that:

7.1 Cemeteries

The recorded cemeteries should be cleaned and fenced in. If the developer intends to move the cemeteries this should be done in accordance with existing legislation affecting cemeteries – see appendix A.

7.2 Gold Quarries

These are of low significance and can be destroyed.

7.3 Late Iron Age Site

This site must be protected. If any development take place near the site it should be fully recorded and mitigated.

8. SITE INFORMATION

Owners contact details: Dr M N Hermann (representing Seriso 530 (Pty) Ltd): 0824537358
Developers contact details: Same as above.
Consultants contact details: Nico Blignaut (Welwyn Town Planners) Cell: 0825625590
Type of development (e.g. low cost housing project, mining etc.) Recreational / rural residential.
Whether rezoning and/or subdivision of land is involved: Rezoning and the possible subdivision of land is involved.
Full location of Province, Magisterial District/Local Authority, property (e.g. farm, erf name and number): North West Province. Tlokwe Local Municipality. Portions of Portion 3 Buffelskloof 511 IQ.
Location map must have the polygon of the area to be surveyed on it and full geographical coordinates for all relevant points and where applicable indication of the area to be developed (footprint): Attached
If possible an aerial photograph of the specific area showing the location of all site. Attached

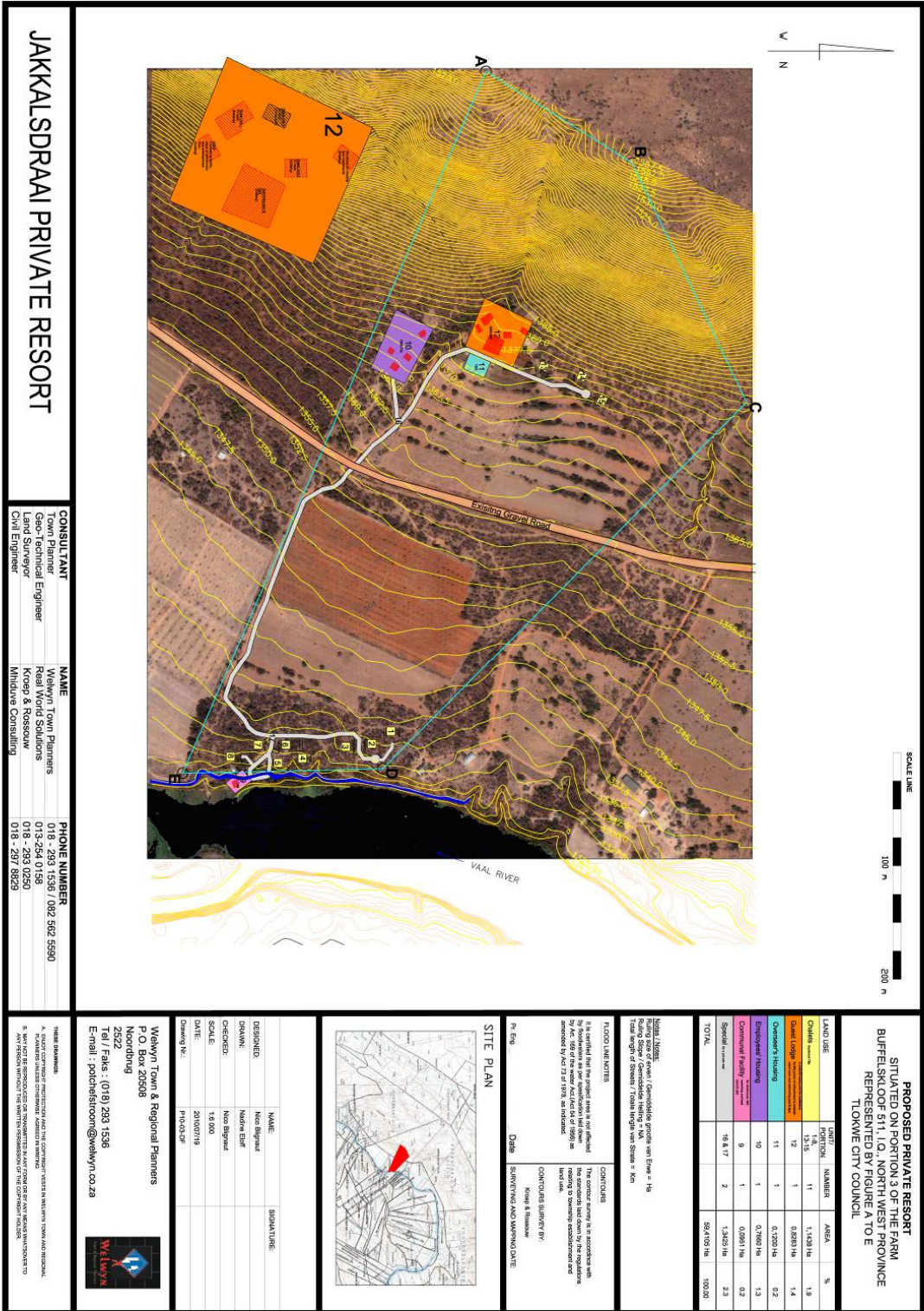
9. REFERENCES

- 1/50 000 Map 2627 CD
- Google map.
- Archaeological database of the National Cultural History Museum Pretoria.
- De Jager O.C. 2003, Monuments in the History of the Transvaal Section of the Vredefort Dome. The South African Philatelist (October).
- Küsel U.S. 2006, Impact Assessment of Historic Heritage Resources in the Vredefort Dome Conservation Area.
- Naude M. 2005, Beyond the Frontier History of the VREDEFORT dome Area in meteorite Impact.
- Oberholster A.G. 1978, Parys on the Vaal.
- Pelser A. 2005, Travelling through time: Archaeology and the Vredefort Dome in Meteorite Impact.
- Pretorius F. 2001, The Great Escape of the Boer Pimpernel.
- Vredefort Dome Cultural Heritage survey and Conservation Management Plan with contributions by K Bakker, M. Naude, N. Clark, J. van Schalkwyk, C. van Vuuren and C. van Zyl.

10. Maps and Appendix A

- Locality Map page 8
- Google Map page 9
- Appendix A Archaeology, graves and the Law page 10 -11

Locality Map



JAKKALSDRAAI PRIVATE RESORT

CONSULTANT	NAME	PHONE NUMBER
Town Planner	Welwyn Town Planners	018 - 293 1536 / 082 962 5590
Geo-Technical Engineer	Real World Solutions	018-293 0158
Land Surveyor	Kroop & Rossouw	018 - 293 0250
Civil Engineer	Winover Consulting	018 - 291 0583

PROPOSED PRIVATE RESORT SITUATED ON PORTION 3 OF THE FARM BUFFELSLOOF 511, L.O. NORTH WEST PROVINCE REPRESENTED BY FIGURE A TO E TLOKWE CITY COUNCIL

LAND USE	UNIT/SECTION	NUMBER	AREA	%
Chapel	13-15	11	1,428 HA	1,9
Chapel	12	1	0,0283 HA	1,4
Chapel's building	11	1	0,250 HA	0,2
Employment building	10	1	0,7969 HA	1,3
Commercial facility	9	1	0,9951 HA	0,2
Special	18 & 17	2	1,2425 HA	2,3
TOTAL			59,4105 HA	100,00

Noted: N/A
 Planning zone of owner: Candidate process van Erven = HA
 Planning zone of owner: Candidate planke = HA
 Planning zone of owner: Other High use = HA

CONCLUSIONS

The proposed site is well situated and the site is well developed. The site is well developed and the site is well developed. The site is well developed and the site is well developed.

CONTROLLED SIGNATURE BY: King & Bismarck
 DATE: 2010/07/19
 DRAWING NO.: P10025P

SITE PLAN



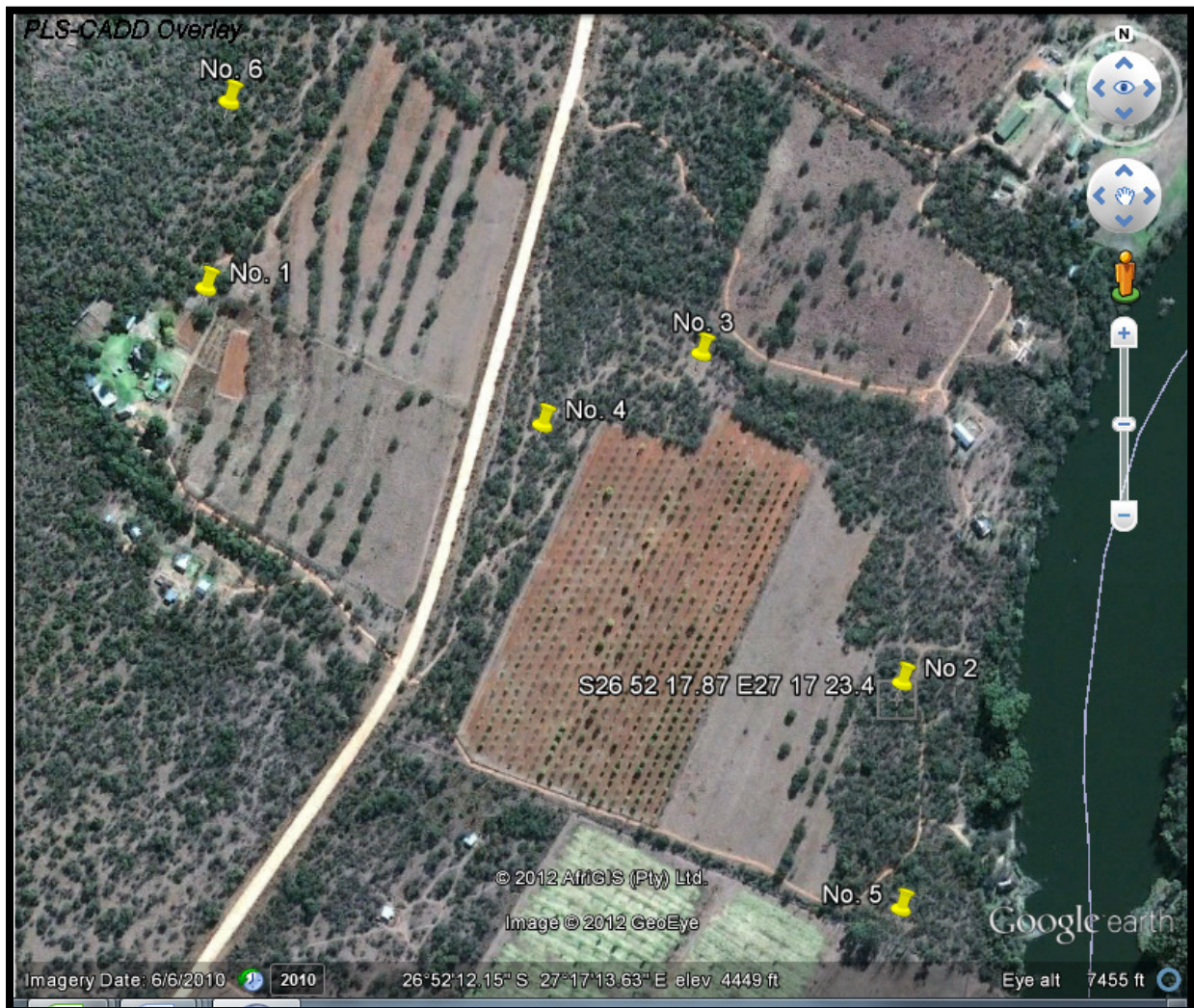
DESIGNED	NAME	SIGNATURE
DESIGNED	Nico Bispard	
DRAWN	Nadia Eder	
CHECKED	Nico Bispard	
SCALE	1:8 000	
DATE	2010/07/19	
Drawing No.	P10025P	

Welwyn Town & Regional Planners
 P.O. Box 20508
 Noordbrug
 2522
 Tel / Faks : (018) 293 1536
 Email : podchrisroom@welwyn.co.za



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Google Map



- No. 1 – Graves of the Möller family**
- No. 2 – Cemetery with 8 graves**
- No. 3 – Modern cemetery with 8 graves of farmworkers**
- No. 4 – Gold digging quarry**
- No. 5 - Gold digging quarry**
- No. 6 – Late Iron Age archaeological Site**

APPENDIX A

ARCHAEOLOGY, GRAVES AND THE LAW

- In terms of Section 36(3) of the National Heritage Resources Act, no person may, without a permit issued by the relevant heritage resources authority:
 - (a) destroy, damage, alter, exhume or remove from its original position of otherwise disturb the grave of a victim of conflict, or any burial ground or part thereof which contains such graves;
 - (b) destroy, damage, alter, exhume or 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
 - (c) bring onto or use at a burial ground or grave referred to in paragraph
 - (a) or (b) any excavation, or any equipment which assists in the detection or recovery of metals.
- Human remains that are less than 60 years old are subject to provisions of the Human Tissue Act (Act 65 of 1983) and to local regulations.
- Exhumation of graves must conform to the standards set out in the Ordinance on Excavations (Ordinance no. 12 of 1980) (replacing the old Transvaal Ordinance no. 7 of 1925). Permission must also be gained from the descendants (where known), the National Department of Health, Provincial Department of Health, Premier of the Province and local police. Furthermore, permission must also be gained from the various landowners (i.e. where the graves are located and where they are to be relocated) before exhumation can take place.
- A registered undertaker can only handle human remains or an institution declared under the Human Tissues Act (Act 65 of 1983 as amended).
- Unidentified/unknown graves are also handled as older than 60 until proven otherwise

THE PROCESS/STEPS THAT ARE TAKEN

SITE VISIT: WHAT IS DONE DURING THIS SITE VISIT?

Physical documentation of graves prior to exhumation: Photographic, GPS, Site Maps, Final counting etc...

Determining context of graves: If any, are they associated with other sites such as farmhouses/structures etc...

SITE SIGNS AND ADVERTISEMENTS

Notices (in compliance with the National Heritage Resources Act) must be placed on the site/s, indicating the intent of relocation. This must be in at least 3 languages and has to be up for a minimum of 60 days.

As part of the preliminary social consultation, newspaper ads as well as radio announcements has to be made as well

This is in order that family members/descendants, if any, can reply/come forward to indicate if any of the graves belong to them

SOCIAL CONSULTATION

If any individuals responded during initial consultation/public participation, then full social consultation undertaken. This will include speaking to individuals regarding graves, their family wishes, getting consent for relocation/reburial etc...

It could also include an Open Day/Traditional Ceremony (or more than one if necessary)

PERMIT APPLICATIONS

Undertakers permits applied for and obtained during social consultation

Only after all necessary documents, family consent obtained, landowner letter, can SAHRA Permit be applied for and obtained. A few weeks should be budgeted for this.

EXHUMATION & RELOCATION

When permits obtained physical exhumation, investigation and reburial commences

THE ARCHAEOLOGICAL INVESTIGATION OF BURIALS: DOCUMENTATION FORM

This form contains the following information for each burial:

Feature/Burial No	Site Name/No	GPS Reading	Farm Name/No
--------------------------	---------------------	--------------------	---------------------

Province	Location of new cemetery
-----------------	---------------------------------

It also includes information on the

Burial Type

Burial Dimensions

Grave Type

Grave Dimensions

Associated sites/features

Specimens or grave goods found

The state of preservation and percentage completeness of the human skeletal material

Sex and Age of the individual

Further Remarks

Information on the headstone and grave dressing (if any)

Photographs of each grave, headstone (if any), the skeletal remains, grave goods etc... are also taken and used in the final documentation

APPENDIX F: PUBLIC PARTICIPATION

APPENDIX F1: ON-SITE NOTICE



ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

NOTICE IS GIVEN IN TERMS OF REGULATION 3 OF THE REGULATIONS PUBLISHED IN GOVERNMENT NOTICE NO. R. 385 OF 21 APRIL 2006 UNDER SECTION 44 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (ACT NO. 107 OF 1998) OF INTENT TO SUBMIT AN APPLICATION FOR THE BASIC ASSESSMENT OF THE FOLLOWING ACTIVITY TO THE NORTH WEST DEPARTMENT OF AGRICULTURE, CONSERVATION, ENVIRONMENT & RURAL DEVELOPMENT:

THE ESTABLISHMENT OF A PRIVATE RESORT CONSISTING OF A GUEST LODGE WITH RELATED FACILITIES AND APPROXIMATELY TEN LIVING UNITS ON PORTIONS OF PORTION 3 BUFFELSKLOOF 511 IQ, NORTH WEST PROVINCE.

NATURE OF ACTIVITY:

THE TRANSFORMATION OF UNDEVELOPED, VACANT OR DERELICT LAND TO RESIDENTIAL USE WHERE SUCH DEVELOPMENT DOES NOT CONSTITUTE INFILL AND WHERE THE TOTAL AREA TO BE TRANSFORMED IS BIGGER THAN 1 HECTARE AS DESCRIBED IN SECTION 16B OF THE REGULATIONS PUBLISHED IN GOVERNMENT NOTICE NO. R. 386 OF 21 APRIL 2006 UNDER SECTION 44 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (ACT NO. 107 OF 1998).

PROPERTY CO-ORDINATES: 26°52'16.93"S
27°17'06.89" E

PROponent: SERISO 530 (Pty) Ltd

FURTHER INFORMATION CAN BE OBTAINED FROM AND REPRESENTATIONS CAN BE MADE TO THE FOLLOWING PERSON WITHIN 30 (THIRTY) DAYS OF DATE OF THIS NOTICE:

C P LINDE
ENVIROVISION CONSULTING
CELLULAR PHONE: 0824440367
FAX NUMBER: (012) 3439199
POSTAL ADDRESS: 545 REITZ STREET
SUNNYSIDE
PRETORIA
0002

DATE OF NOTICE: 31 MARCH 2010