

APPENDIX A

Maps



TYPE OF PLAN:

LOCALITY PLAN

 APPLICATION SITE

Marguerite Cronje
Environmental Assessment Practitioner

PROJECT:

PROPOSED HOTEL DEVELOPMENT ON ERF 5206, SPRINGBOK, NORTHERN CAPE

DATE: 26/05/2017

PROJECT BY:

NHE DEVELOPMENT (PTY) LTD

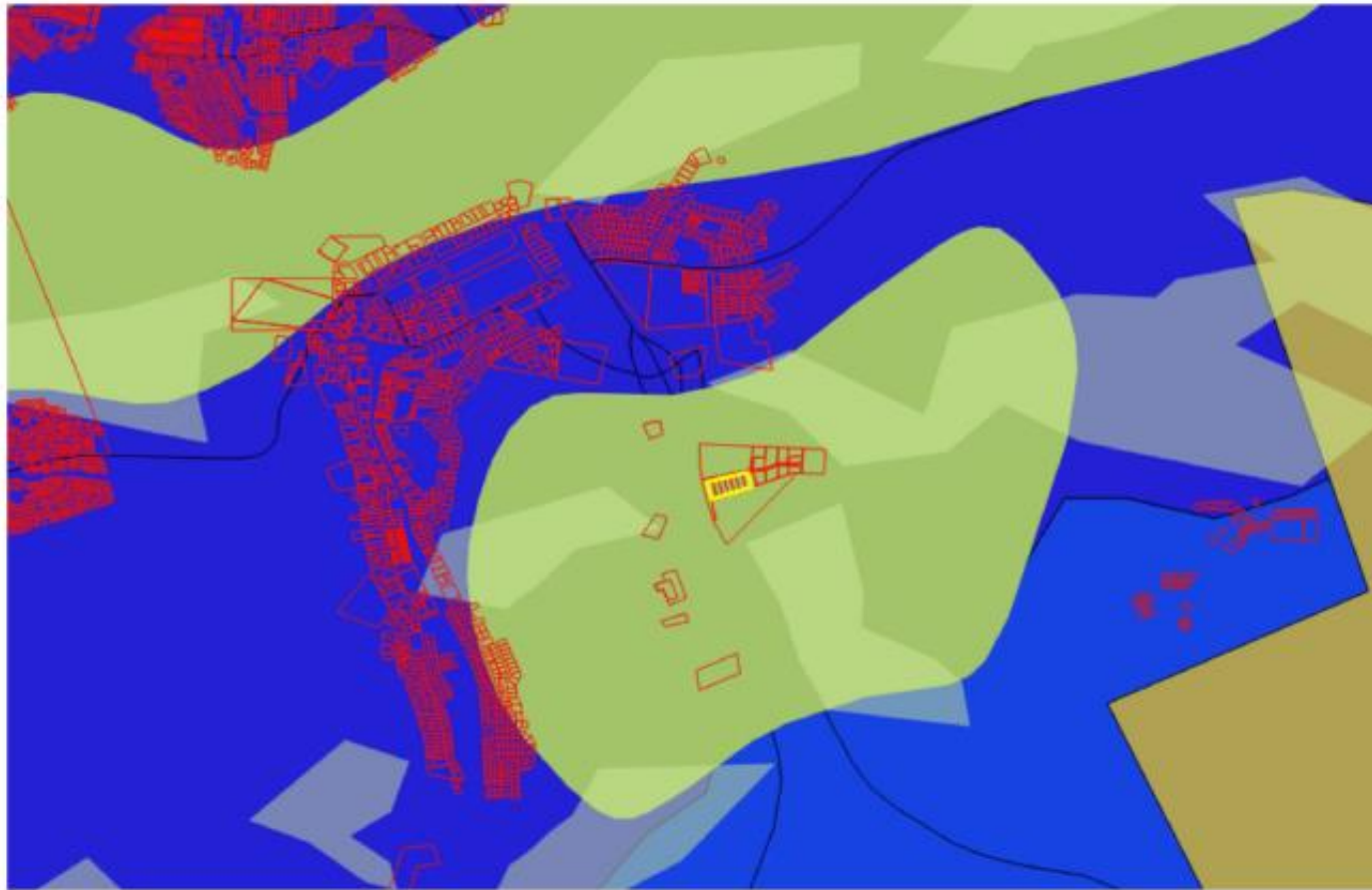
SCALE: 1 : 12 500

DRG : HOTEL SPRINGBOK.dwg

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 Danhof 9324
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Namakwa District Biodiversity Sector Plan map for the proposed establishment of a hotel development on Erf 5206 in Springbok, Northern Cape Province.



Prepared for:
Marguerite Cronje
P.O. Box 29729
Danhof
9310

Legend:

- Site boundary
- Road network
- Urban area

- Goegap Nature Reserve
- Namaqualand Klipkoppe Shrub
- Namaqualand Blomveld
- Critical Biodiversity Area 1
- Critical Biodiversity Area 2
- Ecological Support Area

Map Information

Spheroid: WGS 84
Quantum GIS
Scale: 1:20 000

DPR Ecologists
Contact Darius van Rensburg at:
darius@dprecologists.co.za
P.O. Box 12726, Brandhof, 9324
Tel: 083 410 0770



Map 3: Namakwa District Biodiversity Sector Plan map of the proposed establishment of a hotel development in Springbok. Critical Biodiversity Areas (1 & 2) and Ecological Support Areas are indicated.

APPENDIX B

Photographs



Photo 1: View of Airport Road and the access road (arrow) to the proposed hotel development.



Photo 2: View of the southern boundary of the site from the south-western corner.



Photo 3: View of the western boundary and access road from the south-western corner of the site.



Photo 4: View of the site and its northern boundary from the north-eastern corner.



Photo 5: View of the site and eastern boundary from the north-eastern corner. The adjacent Springbok Caravan Park is visible in the background.



Photo 6: View from the south-eastern corner of the site towards the west, showing the wouthern boundary (fence).



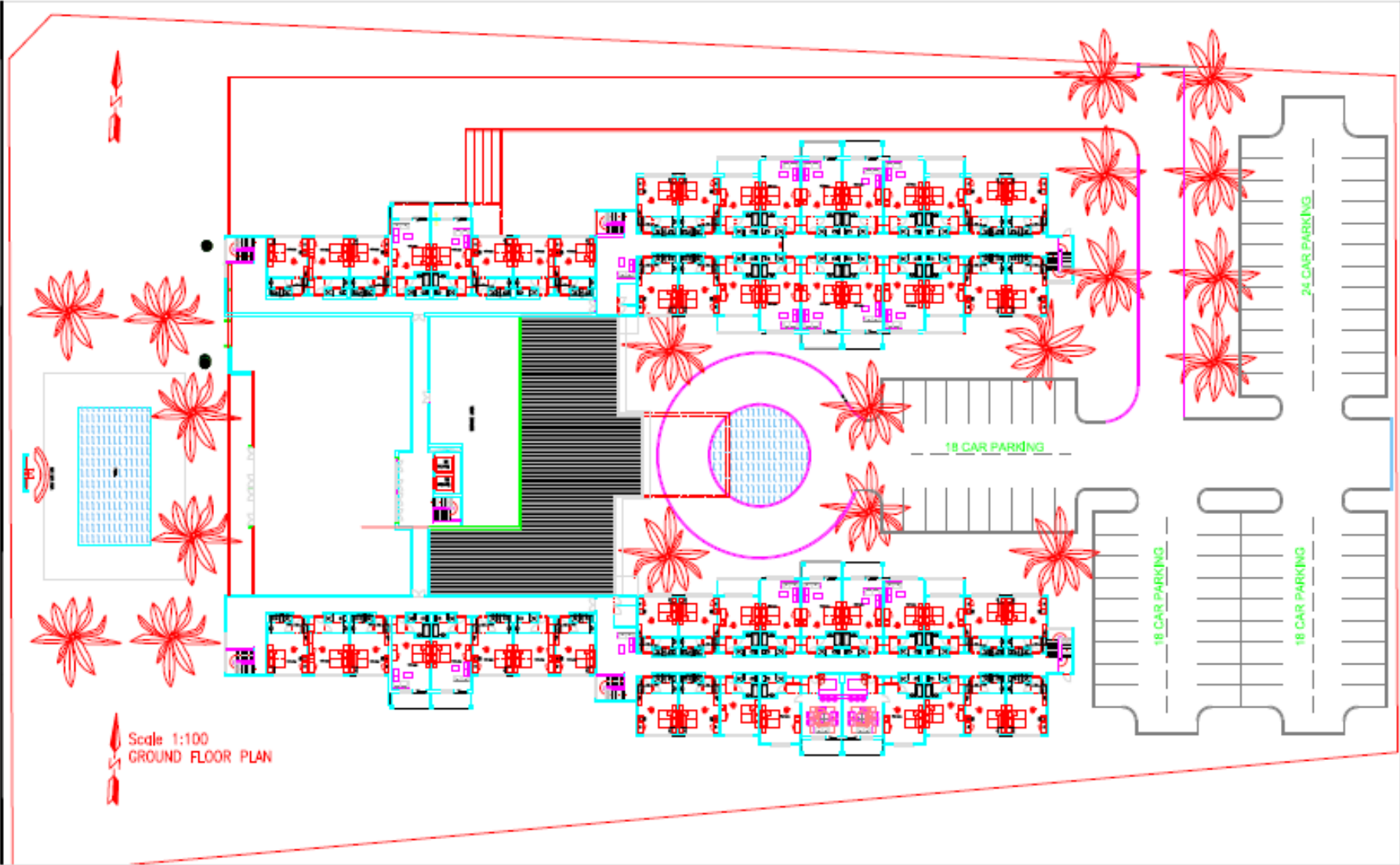
Photo 7: View of the site from the south-eastern corner towards the north.



Photo 8: Trench along the southern boundary of the site.

APPENDIX C

Facility illustration(s)



Scale 1:100
GROUND FLOOR PLAN

PROPOSED NEW HOTEL DEVELOPMENT IN SPRINGBOK , NORTHERN CAPE FOR THREE CITIES GROUP

S P R I N G B O K



APPENDIX D

Specialist Reports

Please refer to the following Specialist Reports attached separately:

- Report on the Biodiversity and Ecological Assessment
- Phase 1 Archaeological Impact Assessment
- Phase 1 Palaeontological Impact Assessment
- Traffic Impact Assessment

APPENDIX E

Public Participation



EARTHMOVING/DIESEL MECHANIC

SPH KUNDALILA (Pty) Ltd is seeking a qualified person to fill the position of an EARTHMOVING/DIESEL MECHANIC at our AGGENEYS OPERATION.

The applicant should meet the following requirements:

- N2
- Motor Trade Certificate (Earthmoving/Diesel)
- Minimum of 5 years post trade experience in the earthmoving/transport industry.
- Willing to relocate and able to work unsupervised.
- Able to speak, read and write English or Afrikaans.
- Valid Drivers' License.
- No Criminal Record.
- Ability to achieve and maintain good interpersonal and working relations with staff and management.
- Experience in CAT, Bell, MAN will be an advantage.

Key performance areas:

- Maintaining of earthmoving machines/trucks.
- Sound trouble shooting abilities.
- Working in a stand by roster/Overtime/Night Shift.
- Good communication skills.

Interested and qualified persons are invited to send their CV's, via fax: 086 609 7188 for attention: HR Department or via e-mail: jenny@sphgroup.co.za.
Closing Date: 2017/10/27



PAM GOLDING

PROPERTIES

NAMAKWA STRAAT NO. 6, POSBUS 10, SPRINGBOK, 8240
Office: +27 (27) 712 3001 Facsimile: +27 (27) 712 3001



Foto: Nog 'n suksesvolle transaksie deur Pam Golding Eiendomme.

RICHTERSVELD MUNISIPALITEIT

NOTICE: SPECIAL COUNCIL MEETING:

Notice is hereby given in terms of section 19 (b) of the Municipal Systems Act, No 32 of 2000 and Regulations, that a Special Council meeting will be held on Thursday, 19 October 2017 at 10H00 at the Council Chamber, A.J.Bekeur Library Hall, Port Nolloth.

Trust you will find this to be in order.

Yours faithfully
A.M.Jansen
MAYOR



ENVIRONMENTAL IMPACT ASSESSMENT: PUBLIC PARTICIPATION PROCESS

OMGEWINGSIMPAAKEVALUERINGSPROSES: OPENBARE DEELNAMEPROSES

Notice is given in terms of Section 41(2)(c) of Regulations No. R. 326 published in Government Notice No. 40772 of 7 April 2017 of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) with the intent to carry out the following activity in respect of which an Environmental Authorisation in terms of NEMA is required:

Project: Proposed hotel development on Erf 5206 Springbok, located to the south east of the Springbok CBD, east of the R355 road and just north of the Springbok Caravan Park.

Projek: Voorgestelde hotel ontwikkeling op Erf 5206 Springbok, geleë aan die suidoos van Springbok se sentrale sakegebied, oos van die R355 pad en net noord van die Springbok Karavaanpark.

Applicant / Applikant: NHE Development (Pty) Ltd

Should you require additional information, have comments on the project or would like to register as an interested party, please contact us within 30 days of date of this notice.

Indien u enige navrae, kommentaar wil lewer of as 'n belangstellende party wil registreer, kontak ons asb binne 30 dae vanaf die datum van kennisgewing.

Marguerite Cronje
Environmental Assessment Practitioner
P.O. Box 29729; Danhof; Bloemfontein; 9310
Tel: 082 7020547
E-mail: margueritecronje@gmail.com

PERSVERKLARING: KANSA RELAY FOR LIFE SPRINGBOK 2018

"Daar is so baie maniere om deel te wees, almal van ons kan saamwerk om 'n verskil te verseker!!"

KANSA Relay For Life Springbok benodig U hulp om die geveg teen kanker te wen.

Springbok se Relay word tans elke jaar gehou op die Springbok Sportvelde en vind vanaf 18:00 op Saterdag, 3 Maart 2018 tot 06:00 op Sondag, 4 Maart 2018 plaas.

U mag uself afvra: "Hoe kan ek 'n verskil maak – eks net een persoon?"

Hier is 'n paar maniere waarmee u saam met ons kan werk om kanker te beveg:

1. Begin 'n span: werf u Familie, Vriende, Bure en mede-werkers om by hierdie geveg aan te sluit, u benodig 10 tot 15 lede vir 'n span.

Maak van iets baie ernstig prêr asook belonend. Inskrywingsfooie is R650 per span.

2. Sluit by 'n span aan wat alreeds geregistreer is.
3. Skep 'n geleentheid by u plaaslike skool (ons het programme vir alle ouderdomme)
4. Werf besigheids eienaars om borge te word, en moedig hulle werknemers



- aan om deel te neem
5. Speel gasheer van 'n fondsinsamelings poging by u besigheid of werksplek.
 6. Word lid van die Relay For Life Beplannings Komitee.
 7. Maak 'n donasie: kontant of goedere, want elke noot help!!
 8. Kontak ons met u idee vir Relay For Life.
 9. Versprei die boodskap, moedig deelname aan, veral onder kankeroorlewendes.

Daar is so baie maniere om deel te wees, almal van ons kan saamwerk om 'n verskil te verseker!!

Meer inligting

Raak vandag betrokke, ek belowe dat u dit nie sal berou nie. Vir meer inligting om te begin, kontak ons voorsitter, Me Wenda Bennet, kontaknommer 083 983 3684. Spanregistrasie vorms is ook beskikbaar by Me Enez Fortuin, kontaknommer 084 687 4578. Kry Luminaria sakkies en meld die name van kankeroorwinnaars aan by die KANSA Sorgsentrum, by Suster Geraldine, kontaknommer is 079 174 2855.

Een Dag..... Een Nag.....Een Gemeenskap.....Een GEVEG!!!!

Berig saamgestel deur Helen Jack, kontaknommer 082 768 4467.

Vir meer inligting besoek www.cansa.org.za of kontak KANSA tolvry by 0800 22 66 22 of by info@cansa.org.za of stuur 'n epos na info@cansa.org.za of volg KANSA op Twitter: @CANSA (<http://www.twitter.com/@CANSA>) of sluit aan by KANSA by Facebook: KANSA The Cancer Association of South Africa.

ENVIRONMENTAL IMPACT ASSESSMENT: PUBLIC PARTICIPATION PROCESS

OMGEWINGSIMPAKEVALUERINGSPROSES: OPENBARE DEELNAMEPROSES

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On-site Notice Photos



Photo A: View of notice placed at the site on 4 October 2017.



Photo B: Notice placed at the entrance to the neighbouring Springbok Caravan Park.



Photo C: Notice placed near to site in Airport Road.



Photo D: Close-up of notice.

APPENDIX F

Impact Assessment

PROPOSED HOTEL DEVELOPMENT IN SPRINGBOK: IMPACT ASSESSMENT

1. METHODOLOGY

Impact assessment must take into account the nature, scale and duration of effects on the environment and whether such effects are positive (beneficial) or negative (detrimental). Each issue / impact is also assessed according to the project stages from planning, through construction and operation to the decommissioning phase (if applicable). Where necessary, the proposal for mitigation or optimisation of an impact is noted. A brief discussion of the impact and the rationale behind the assessment of its significance has also been included.

A rating system is applied to the potential impact on the receiving environment and includes an objective evaluation of the mitigation of the impact. In assessing the significance of each issue, the following criteria is used:

Nature	A brief description of the environmental aspect being impacted upon by a particular action or activity is presented.								
Extent (Scale)	<p>Considering the area over which the impact will be expressed. Typically, the severity and significance of an impact have different scales and as such bracketing ranges are often required. This is often useful during the detailed assessment phase of a project in terms of further defining the determined significance or intensity of an impact.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">Site</td> <td>Within the construction site</td> </tr> <tr> <td>Local</td> <td>Within a radius of 2 km of the construction site</td> </tr> <tr> <td>Regional</td> <td>Between 2 and 30 km from the site</td> </tr> <tr> <td>National</td> <td>The whole of South Africa</td> </tr> </table>	Site	Within the construction site	Local	Within a radius of 2 km of the construction site	Regional	Between 2 and 30 km from the site	National	The whole of South Africa
Site	Within the construction site								
Local	Within a radius of 2 km of the construction site								
Regional	Between 2 and 30 km from the site								
National	The whole of South Africa								
Duration	<p>Indicates what the lifetime of the impact will be.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">Short-term</td> <td>The impact will either disappear with mitigation or will be mitigated through natural processes in a span shorter than the construction phase</td> </tr> <tr> <td>Medium-term</td> <td>The impact will last for the period of the construction phase, where after it will be entirely negated</td> </tr> <tr> <td>Long-term</td> <td>The impact will continue or last for the entire operational life of the development, but will be mitigated by direct human action or by natural processes thereafter</td> </tr> <tr> <td>Permanent</td> <td>The only class of impact which will be non-transitory. Mitigation either by man or natural process will not occur in such a way or in such a time span that the impact can be considered transient</td> </tr> </table>	Short-term	The impact will either disappear with mitigation or will be mitigated through natural processes in a span shorter than the construction phase	Medium-term	The impact will last for the period of the construction phase, where after it will be entirely negated	Long-term	The impact will continue or last for the entire operational life of the development, but will be mitigated by direct human action or by natural processes thereafter	Permanent	The only class of impact which will be non-transitory. Mitigation either by man or natural process will not occur in such a way or in such a time span that the impact can be considered transient
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Permanent	The only class of impact which will be non-transitory. Mitigation either by man or natural process will not occur in such a way or in such a time span that the impact can be considered transient								
Intensity	Describes whether an impact is destructive or benign.								

	<p>Low Impact affects the environment in such a way that natural, cultural and social functions and processes are not affected.</p> <p>Medium Effected environment is altered, but natural, cultural and social functions and processes continue albeit in a modified way.</p> <p>High Natural, cultural and social functions and processes are altered to extent that they temporarily cease.</p> <p>Very high Natural, cultural and social functions and processes are altered to extent that they permanently cease.</p>
Probability	<p>Describes the likelihood of an impact actually occurring.</p> <p>Improbable Likelihood of the impact materializing is very low. Possible The impact may occur. Highly probable Most likely that the impact will occur. Definite Impact will certainly occur.</p>
Significance	<p>Significance is determined through a synthesis of impact characteristics. It is an indication of the importance of the impact in terms of both physical extent and time scale, and therefore indicates the level of mitigation required.</p> <p>Low impact No permanent impact of significance. Mitigatory measures are feasible and are readily instituted as part of a standing design, construction or operating procedure.</p> <p>Medium impact Mitigation is possible with additional design and construction inputs.</p> <p>High impact The design of the site may be affected. Mitigation and possible remediation are needed during the construction and/or operational phases. The effects of the impact may affect the broader environment.</p> <p>Very high impact The design of the site may be affected. Intensive remediation as needed during construction and/or operational phases. Any activity which results in a “very high impact” (negative) is likely to be a fatal flaw.</p>
Status	<p>Denotes the perceived effect of the impact on the affected area.</p> <p>Positive (+) Beneficial impact Negative (-) Deleterious or adverse impact Neutral Impact is neither beneficial nor adverse.</p> <p>It is important to note that the status of an impact is assigned based on the <i>status quo</i> – i.e. should the project not proceed. Therefore not all negative impacts are equally significant.</p>

2. VEGETATION DESTRUCTION

The site contains natural vegetation and a number of protected species. The site is also considered to form part of a Critical Biodiversity Area (CBA 1) as a result of the high species diversity in the hills and around Springbok. The site itself is however situated in the lower lying areas where the diversity is much lower and the conservation value therefore not as high. Refer to the Biodiversity and Ecological Assessment in Appendix D.

Assessment: Vegetation Destruction						
Nature	Vegetation on the site will be transformed by the hotel development.					
	Extent	Duration	Intensity	Probability	Significance	Status
Without Mitigation	Local	Permanent	Very high	Highly probable	High	Negative
With Mitigation	Site	Long term	Medium	Highly probable	Medium	Negative

Mitigation Recommendations

Planning phase

- A walkthrough of the site needs to be done by a suitably qualified ecologist / botanist prior to construction to mark and map all protected plants on site.
- Permits need to be obtained to remove protected plants from site.
- The species, *Othonna sp. nova*, is scattered on the site and is a newly discovered species. It should be transplanted and incorporated into the landscaping of the development.
- The development should incorporate an adequate storm water system, which should manage any surface runoff on the site and release storm water into the natural drainage pattern.

Construction phase

- The hunting, capturing and trapping of fauna should be prevented.
- All human movement and activities must be contained within designated construction areas in order to prevent peripheral impacts on surrounding natural habitat.
- No fire-wood may be collected in the veld.

Post Construction phase

- After construction has ceased, all construction materials should be removed from the area.
- Protected plant species and the species *Othonna sp. nova*, transplanted prior to construction, can be used in the landscaping of the hotel.

- Alien invaders occurring on site should be removed and monitored for re-establishment.
- Erosion should be prevented as far as possible.

3. TRAFFIC IMPACT

Due to the extent of, and the increase of trips anticipated as a result of the proposed development, a Traffic Impact Assessment has been undertaken (Appendix D). The proposed development is expected to generate approximately 185 trips during both weekday peak hours respectively. Insufficient parking is currently provided.

Assessment: Traffic Impact						
Nature	Increase in traffic on surrounding roads.					
	Extent	Duration	Intensity	Probability	Significance	Status
Without Mitigation	Local	Long term	Medium	Highly probable	Medium	Negative
With Mitigation	Local	Long term	Low	Highly probable	Low	Neutral

Mitigation Recommendations

Planning phase

- Parking provision needs to be negotiated with the Municipality.
- Public transport embayments need to be provided.
- It is proposed that the existing access along the R355, adjacent to the Springbok Caravan Park, as well as the existing access to the Caravan Park, be closed.
- A new access on the R355 is proposed 191m north to create a new priority-controlled intersection (new proposed Link Road / R355 intersection) with the R355 having priority. This intersection could also be signalized in future if adjacent developments are implemented and signalization is warranted.
- A north-south side street is further proposed intersecting with this new link road at 220m from the proposed R355 / Link Road intersection.

Construction phase

- Necessary safety precautions should be implemented.

Post Construction phase

- Not applicable.

4. VISUAL IMPACT

The visual impact of the proposed development in the landscape is the function of several factors of which the viewing distance, visual absorption capacity and landform are measurable. Other factors are difficult to categorize because they are subjective viewpoints.

The visual impact for the proposed development is largely due to:

- The extent of the proposed development.
- Distance from roads.
- The visual absorption capacity of the surrounding landscape.

The critical viewpoints for this development would be the R355 road and higher-lying areas.

A visual impact assessment was not deemed necessary as the proposed development is planned on the outskirts of Springbok and aesthetically pleasing design measures will be implemented.

Assessment: Visual Impact						
Nature	The landscape will be altered by the development.					
	Extent	Duration	Intensity	Probability	Significance	Status
Without Mitigation	Local	Long term	Medium	Definite	High	Negative
With Mitigation	Local	Long term	Medium	Highly probable	Low	Neutral

Mitigation Recommendations

Planning phase

- Aesthetically pleasing designs and visual integrity principles will be incorporated into the site development plan.

Construction phase

- Construction sites must be kept neat and tidy at all times.
- All human movement and activities must be contained within designated construction areas.
- No dumping of construction debris is allowed, especially within the open space areas.

Post Construction phase

- A landscaping plan needs to be implemented.

5. SOCIO-ECONOMIC IMPACT

The proposed development will have an effect on different levels of economic activity in the area and benefit the economy by creating jobs, improving quality of life and increasing disposable income. Up to 1000 employment opportunities are expected during the construction phase and 100 new permanent jobs are anticipated during the operational phase of the proposed hotel development. The expected yearly gross income is estimated at R42 million (information provided by applicant / developer).

Assessment: Socio-economic impact						
Nature	Effects on the level of economic activity in the area due to a new development.					
	Extent	Duration	Intensity	Probability	Significance	Status
	National	Long term	Medium	Highly probable	High	Positive

APPENDIX G

Environmental Management Programme (EMPr)

Refer to the EMPr attached seperately.

APPENDIX H

Details of EAP and expertise

CURRICULUM VITAE

Marguerite Cronje

Environmental Assessment Practitioner

PERSONAL INFORMATION:

ID : 8103090071089

ADDRESS : P.O. Box 29729
Danhof
Bloemfontein
9310

MOBILE : 082 7020547

E-MAIL: margueritecronje@gmail.com

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

- Member, International Association for Impact Assessment South Africa (IAIASa)

KEY QUALIFICATIONS:

- Key competencies and experience include:
 - research in zoology & environmental management
 - environmental impact assessment and
 - environmental management plans
 - environmental monitoring

EDUCATION:

- B. Sc. (Zoology), University of the Free State, South Africa, 2002
- B. Sc. Honours (Zoology), University of the Free State, South Africa, 2003
- M.Sc. Diploma (Equine Science), University of Edinburgh, Scotland, UK, 2005
- Masters in Environmental Management, University of the Free state, South Africa, 2008

COURSES:

- Environmental Impact Assessment Short Course - University of the Free State, South Africa, (2006)

CONFERENCES:

- 10 years of Environmental Impact Assessments in South Africa – Somerset West (2008)
- Free State Provincial Waste Summit – Bloemfontein (2010)
- IAIAsa Conference – Thaba Nchu (2013)
- IAIAsa Conference – Port Elizabeth (2016)

EMPLOYMENT RECORD:

- November 2005 – March 2013: MDA, Environmental Assessment Practitioner
- April 2013 – to date: Self-employed Environmental Assessment Practitioner

LANGUAGES:

	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Good	Good

EXPERIENCE RECORD:

- Environmental Assessment Practitioner: conducted numerous impact assessments and have compiled a number of Environmental Management Plans for quarries, roads and various developments since November 2005.
- Environmental Control Officer: monitored mainly road rehabilitation, pipeline construction and residential development projects.

PREVIOUS PROJECTS:

Basic Assessments

- Meqheleng cemetery, Ficksburg
- Townhouse development on Plot 8 Spitskop, Bloemfontein
- Various poultry facilities near Bloemfontein
- Roodewal hospitality development, Bloemfontein
- Townhouse development on Plots 4, 5 and 9 Shannon Valley, Bloemfontein
- Naval Hill reservoirs and pipeline
- Upgrading of the Vaal-Gamagara water pipeline
- Melkstroom residential development, Upington
- Soetdoring Nature Reserve chalet development
- New site for Mediclinic, Kimberley
- Installation of an incinerator at the Northern Cape Provincial Veterinary Laboratory in Kimberley

Full EIA's

- Paballelo residential development, Upington
- Residential development on the Farm Pielanshoek 944, Bethlehem
- Verkykerskop town development
- Commercial and retail development on Erf 26360 and Farm Bergendal 1706, Bloemfontein
- Postmasburg "Greenfields" development (in process)
- Brandkop residential, retail and commercial development, Bloemfontein (in process)

Waste Licence Applications

- Upgrading of the Sterkwater WWTW, Bloemfontein
- New North Eastern WWTW, Bloemfontein
- Augrabies waste transfer station
- Upgrading of the Hoopstad WWTW

Borrow Pit Mining Permits and Closure Reports

- N1 road Springfontein – Trompsburg borrow pit closures
- N8 road Alexanderfontein – Petrusburg borrow pit permits

Environmental Monitoring

- R30 road Vet River – Beatrix Mine
- Orange River – Colesberg water pipeline
- N1 road Springfontein – Trompsburg
- N8 road Tweespruit – Ladybrand
- Bloemhof Water Abstraction Works (in process)
- Lerato Park, Kimberley (in process)

APPENDIX I

Specialists' declaration of interest

See Specialist Reports.

APPENDIX J

Additional Information