

DRAFT ENVIRONMENTAL BASIC ASSESSMENT REPORT

PROPOSED ESTABLISHMENT OF A NEW MILITARY
HEALTH CARE CENTRE ON PORTIONS OF THE
REMAINDER AND PORTION 429 TOWN AND TOWNLANDS
OF POTCHEFSTROOM 435 IQ

TLOKWE LOCAL MUNICIPALITY

NORTH WEST PROVINCE

SUBMITTED BY:



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Submitted to:

- Ms M Rabothata (Environmental Officer: Integrated Environmental Authorisations)
National Department of Environmental Affairs***
- Registered Interested and Affected Parties***

Departmental reference:

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environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

(For official use only)

File Reference Number:

Application Number:

Date Received:

Basic assessment report in terms of the Environmental Impact Assessment Regulations, 2010, promulgated in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

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, 2010 and is meant to streamline applications. Please make sure that it is the report used by the particular competent authority for the activity applied for.
2. This report format is current as of **1 September 2012**. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority
3. The report must be typed within the spaces provided in the form. The size of the spaces provided is 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.
4. Where applicable **tick** the boxes that are applicable in the report.
5. An incomplete report may be returned to the applicant for revision.
6. 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.
7. This report must be handed in at offices of the relevant competent authority as determined by each authority.
8. No faxed or e-mailed reports will be accepted.
9. The signature of the EAP on the report must be an original signature.
10. The report must be compiled by an independent environmental assessment practitioner.
11. 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.
12. A competent authority may require that for specified types of activities in defined situations only parts of this report need to be completed.
13. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report must also be submitted.
14. Two (2) colour hard copies and one (1) electronic copy of the report must be submitted to the competent authority.
15. Shape files (.shp) for maps must be included on the electronic copy of the report submitted to the competent authority.

SECTION A: ACTIVITY INFORMATION

Has a specialist been consulted to assist with the completion of this section? YES NO
 If YES, please complete the form entitled “Details of specialist and declaration of interest” for the specialist appointed and attach in Appendix I.

1. PROJECT DESCRIPTION

a) Describe the project associated with the listed activities applied for

The establishment of a new military health care centre on portions of the Remainder and Portion 429 of the farm Town and Townlands of Potchefstroom 435 IQ, Tlokwe City Council, North West Province.

b) Provide a detailed description of the listed activities associated with the project as applied for (kindly refer to Appendix J5)

Listed activity as described in GN R.544, 545 and 546	Description of project activity
<p>Example: GN R.544 Item 11(3): The construction of a bridge where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p>	<p>A bridge measuring 5 m in height and 10m in length, no wider than 8 meters will be built over the Orange river</p>
<p>GN R.544 Item 23(1): The transformation of undeveloped, vacant or derelict land to residential, retail, commercial, recreational, industrial or institutional use, inside an urban area, and the total area to be transformed is more than 5 hectares.</p>	<p>A new military health care centre with a total development footprint of approximately 2 hectares will be established within the Potchefstroom Military Base (portions of the Remainder and Portion 429 of the farm Town and Townlands Potchefstroom 435 IQ.</p>

2. FEASIBLE AND REASONABLE ALTERNATIVES

Kindly refer to Appendix J1: Identification and Comparative Assessment of Alternatives

“**alternatives**”, in relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to—

- (a) the property on which or location where it is proposed to undertake the activity;
- (b) the type of activity to be undertaken;
- (c) the design or layout of the activity;
- (d) the technology to be used in the activity;
- (e) the operational aspects of the activity; and
- (f) the option of not implementing the activity.

Describe alternatives that are considered in this application as required by Regulation 22(2)(h) of GN R.543. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity (NOT PROJECT) 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.

The identification of alternatives should be in line with the Integrated Environmental Assessment Guideline Series 11, published by the DEA in 2004. Should the alternatives include different locations and lay-outs, the co-ordinates of the different alternatives must be provided. The co-ordinates should be in degrees, minutes and seconds. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

a) Site alternatives

“Location alternatives could be considered for the entire proposal or for a component of the proposal, for example the location of a processing plant. The latter is sometimes considered under site layout alternatives. A distinction should also be drawn between alternative locations that are geographically quite separate, and alternative locations that are in close proximity. In the case of the latter, alternative locations in the same geographic area are often referred to as alternative sites. This tends to be the more common application” (DEAT: 2004d).

During the pre-planning phase three different site location alternatives that are in close proximity to each other were identified. These site location alternatives are being shown in the image below:

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Alternative 1 (preferred alternative)		
Description: Vacant site between Auster, Afmars & Tigermoth, Streets, Potchefstroom Military base.	Lat (DDMMSS)	Long (DDMMSS)
	26°40'39.55"	27°04'35.61
Alternative 2		
Description: Vacant site on the north western corner of Road R53 to Ventersdorp and Eleazer Road.	Lat (DDMMSS)	Long (DDMMSS)
	26°40'36'38"	27°04'22.47
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)
Sports field, Potchefstroom Military base.	26°40.54.80	27°05'02.24

In the case of linear activities:

Alternative:

Alternative S1 (preferred)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

Latitude (S):

Longitude (E):

Alternative S2 (if any)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

Alternative S3 (if any)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

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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.

In the case of an area being under application, please provide the co-ordinates of the corners of the site as indicated on the lay-out map provided in Appendix A.

b) Lay-out alternatives

“Site layout alternatives permit consideration of different spatial configurations of an activity on a particular site. This may include particular components of a proposed development or may include the entire activity. For example, siting of a noisy plant away from residences, and secondly, siting of a particular structure either prominently to attract attention or screened from view to minimise aesthetic impacts” (DEAT:2004d).

No site layout alternatives for the proposed activity has been pursued or identified since no compelling need for site alternatives arose either during the prescribed public participation process or from the findings of the respective specialist reports. For purposes of this report site layout alternatives will thus not receive further consideration.

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)

c) Technology alternatives

“This type of alternative is particularly relevant to industrial projects. Due to the technical nature of the alternatives, the proponent is expected to play a major role in the identification of alternatives. For this reason transparency in identification and evaluation of alternatives is crucial” (DEAT:2004d).

Due to the non-industrial nature of the proposed activity, technology alternatives have not been pursued.

Alternative 1 (preferred alternative)		
Alternative 2		
Alternative 3		

d) Other alternatives (e.g. scheduling, demand, input, scale and design alternatives)

Scheduling alternatives

“These are sometimes known as sequencing or phasing alternatives. In this case an activity may comprise a number of components, which can be scheduled in a different order or at different times and as such produce different impacts. For example, activities that produce noise could be scheduled during the day to minimize impacts, and activities that may impact on birds could be scheduled to avoid the migratory season. Such alternatives could be incorporated into the project proposal and so be part of the project description, and hence need not necessarily be evaluated as separate alternatives” (DEAT:2004d).

Scheduling alternatives such as working hours have been embedded in proposed mitigation measures and / or measures contained in the relevant environmental management plan and are thus not discussed separately. It will thus not receive specified consideration for purposes of this report.

Demand alternatives

“Demand alternatives arise when a demand for a certain product or service can be met by some alternative means. Thus, for example, the demand for electricity could be met by supplying more energy or through using energy more efficiently by managing demand” (DEAT:2004d).

The proposed activity is the result of an extensive needs assessment and verification exercise that was conducted by the Area Military Health Unit North West in response to an articulate demand. The proposal was in the end decided upon as the only feasible and reasonable option to effectively meet this demand. In view of the above other demand alternatives have not been pursued as part of this assessment.

Input alternatives

“By their nature, input alternatives are most applicable to industrial applications that may use different raw materials or energy sources in their processes. For example, an industry may consider using either high sulphur coal or natural gas as a source of fuel. Again, such alternatives could be incorporated into the project proposal and so be part of the project description, and need not necessarily be evaluated as separate alternatives” (DEAT:2004d).

Due to the non-industrial nature of the proposed activity, input alternatives have not been pursued.

Scale alternatives

“In some cases, activities that can be broken down into smaller units can be undertaken on different scales. For example, in a housing development there could be the option of 100, 150 or 200 housing units. Each of these scale alternatives may have different impacts” (DEAT:2004d).

Based on the current unstable economic climate it may be necessary in the case of certain developments to consider scaled down alternatives or development in phases. In this instance activity cost has already been approved and budgeted for based on a comprehensive needs assessment that was linked to cost. The need for scale alternatives is thus not being envisaged.

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Design alternatives

“Consideration of various designs for aesthetic purposes or different construction materials in an attempt to optimise local benefits and sustainability would constitute design alternatives. Appropriate applications of design alternatives are communication towers. In such cases, all designs are assumed to have different impacts. Generally, the design alternatives could be incorporated into the project proposal and so be part of the project description, and need not be evaluated as separate alternatives” (DEAT: 2004d).

Design alternatives will be embedded into the development’s architectural guidelines and the architectural design. No specific design alternatives will thus be considered for purposes of this report.

Routing alternatives

“Consideration of alternative routes generally applies to linear developments such as power lines, transport and pipeline routes. In route investigations, various corridors are investigated and compared in terms of their impacts” (DEAT:2004d).

The proposed activity does not represent a linear development and routing alternatives were thus not considered.

Activity alternatives

“These are sometimes referred to as project alternatives, although the term activity can be used in a broad sense to embrace policies, plans and programmes as well as projects. Consideration of such alternatives requires a change in the nature of the proposed activity. An example is incineration of waste rather than disposal in a landfill, or the provision of public transport rather than increasing the capacity of roads. In view of the substantive differences in the nature of the proposed activities, it is likely that this category is most appropriate at a strategic decision-making level, such as in a Strategic Environmental Assessment” (DEAT:2004d).

The proposed activity does not take place at a strategic decision-making level. Activity alternatives therefore were not pursued.

Alternative 1 (preferred alternative)		
Alternative 2		
Alternative 3		

e) No-go alternative

“The “no-go” alternative ... assumes that the activity does not go ahead, implying a continuation of the current situation or the status quo. In a situation where the negative environmental impacts have high significance, the “no-go” alternative takes on particular importance” (DEAT:2004d).

The “no-go” alternative normally receives consideration when a proposed activity is located in an environmentally sensitive area (for example rocky outcrops, waterways, nature reserves or

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conservation areas), or when a proposed activity poses adverse negative impacts to the environment that cannot be successfully mitigated. During the assessment no environmentally sensitive areas were recorded on any of the site alternatives. Furthermore, no potentially adverse negative impacts were identified that may affect the physical, biological, social, economic and cultural aspects of the environment.

The likely effects of the “no-go” alternative has also been included and discussed in the report as a potential alternative along with the other identified potential alternatives.

Paragraphs 3 – 13 below should be completed for each alternative.

PREFERRED SITE ALTERNATIVE 1: VACANT SITE BETWEEN AUSTER, AFMARS & TIGERMOTH STREETS, POTCHEFSTROOM MILITARY BASE

3. PHYSICAL SIZE OF THE ACTIVITY

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

Alternative:

Alternative A1¹ (preferred activity alternative)
 Alternative A2 (if any)
 Alternative A3 (if any)

Size of the activity:

±20 000 m ²
m ²
m ²

or, for linear activities:

Alternative:

Alternative A1 (preferred activity alternative)
 Alternative A2 (if any)
 Alternative A3 (if any)

Length of the activity:

m
m
m

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

Alternative:

Alternative A1
 Alternative A2
 Alternative A3

Size of the site/servitude:

± 50 000 m ²
±100 000 m ²
±137 000 m ²

4. SITE ACCESS

KINDLY REFER TO APPENDCES D1 & D8

Does ready access to the site exist?

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

YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
m	

¹ “Alternative A..” refer to activity, process, technology or other alternatives.

Describe the type of access road planned:

Not applicable, The proposed site can be accessed from the existing Auster Street on the northern boundary of the proposed site. Afmars Street is on the northern boundary and Tigermoth Street on the eastern boundary. Auster Street links this preferred site alternative onto the R53 Potchefstroom Ventersdorp road (Appendix D1).

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

5. LOCALITY MAP

An A3 locality map must be attached to the back of this document, as Appendix A. The scale of the locality map must be relevant to the size of the development (at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map.). The map must indicate the following:

- an accurate indication of the project site position as well as the positions of the alternative sites, if any;
- indication of all the alternatives identified;
- closest town(s);
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and
- a north arrow;
- a legend; and
- locality GPS co-ordinates (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).

6. LAYOUT/ROUTE PLAN

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:

- the property boundaries and numbers of all the properties within 50 metres of the site;
- the current land use as well as the land use zoning of the site;
- the current land use as well as the land use zoning each of the properties adjoining the site or sites;
- the exact position of each listed activity applied for (including alternatives);
- servitude(s) indicating the purpose of the servitude;
- a legend; and
- a north arrow.

7. SENSITIVITY MAP

The layout/route plan as indicated above must be overlain with a sensitivity map that indicates all the sensitive areas associated with the site, including, but not limited to:

- watercourses;
- the 1:100 year flood line (where available or where it is required by DWA);
- ridges;
- cultural and historical features;
- areas with indigenous vegetation (even if it is degraded or infested with alien species); and
- critical biodiversity areas.

The sensitivity map must also cover areas within 100m of the site and must be attached in Appendix A.

8. SITE PHOTOGRAPHS

Colour photographs from the centre 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 report. It must be supplemented with additional photographs of relevant features on the site, if applicable.

9. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of at least 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.

10. ACTIVITY MOTIVATION

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

1. Is the activity permitted in terms of the property's existing land use rights?	YES ✓	NO	Please explain
It is zoned in the Tlokwe City Council IDP 2011 – 2016 for Government, the same as that of the activity.			
2. Will the activity be in line with the following?			
(a) Provincial Spatial Development Framework (PSDF)	YES ✓	NO	Please explain
The Tlokwe City Council IDP 2011 – 2016 has been provincially aligned.			
(b) Urban edge / Edge of Built environment for the area	YES ✓	NO	Please explain
The site is within the IDP's "urban fringe".			
(c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?).	YES ✓	NO	Please explain
The application is in line with the relevant IDP and SDF and will not compromise its integrity.			
(d) Approved Structure Plan of the Municipality	YES ✓	NO	Please explain
Kindly refer to the relevant SDF Zoning Plan.			

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<p>(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>The activity does not impact on any of the prominent environmental features listed in the North West SDF & Zoning Plan as specifically mentioned in the relevant EMF.</p>			
<p>(f) Any other Plans (e.g. Guide Plan)</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>Kindly refer to the relevant SDF Zoning Plan.</p>			
<p>3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>The 2013 IDP Review document records the need for additional health services.</p>			
<p>4. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>The Military Health Unit: North West identified the need for a new military health care facility at Potchefstroom.</p>			
<p>5. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix J3)</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>Municipal confirmation of adequacy of services exists (Appendix J3).</p>			
<p>6. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix J3)</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>Municipal confirmation of adequacy of services exists (Appendix J3).</p>			
<p>7. Is this project part of a national programme to address an issue of national concern or importance?</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>It represents a Strategic Infrastructure Project SIP 12: Build and refurbish hospitals, other public health facilities.</p>			

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<p>8. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>Kindly refer to comparative impact assessment of alternatives in this report.</p>			
<p>9. Is the development the best practicable environmental option for this land/site?</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>Kindly refer to comparative impact assessment of alternatives elsewhere in report.</p>			
<p>10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>Kindly refer to environmental impact statement elsewhere in report.</p>			
<p>11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>The proposed land use is already in line with existing municipal land use zoning.</p>			
<p>12. Will any person's rights be negatively affected by the proposed activity/ies?</p>	<p>YES</p>	<p>NO ✓</p>	<p>Please explain</p>
<p>This is vacant land that has not been earmarked for any other use or users.</p>			
<p>13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>The site is situated within the "urban edge" as defined by the local municipality.</p>			
<p>14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>SIP 12: Build and refurbish hospitals, other public health facilities.</p>			
<p>15. What will the benefits be to society in general and to the local communities?</p>	<p>Please explain</p>		
<p>The local community i.e. the military community, will gain access to a modern, professional health service. This service will also be used for the benefit of the regional military community in general.</p>			
<p>16. Any other need and desirability considerations related to the proposed activity?</p>	<p>Please explain</p>		
<p>The need for a new military health care facility has been exacerbated by the ageing, outdated and inadequate nature of the structure, infrastructure and equipment of the existing facility.</p>			
<p>17. How does the project fit into the National Development Plan for 2030?</p>	<p>Please explain</p>		
<p>The National Development Plan for 2030 provides for quality health care and addressing health infrastructure backlogs.</p>			
<p>18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.</p>	<p>This report encompasses the general objectives and requirements of Integrated Environmental Management as set out in section 23 of NEMA.</p>		

19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.

People and their needs have been placed at the forefront of this assessment by taking into account the impact of the proposed activity on their physical, psychological, developmental, cultural and social interests. E.g. the loss of sports facilities in the instance of Site Alternative 3 has been duly recorded and considered in the selection of a preferred site alternative.

The assessment took into account the proposed development's social, environmental and economic sustainability by *inter alia* avoiding or minimising and remedying the following if and where applicable:

- The disturbance of ecosystems, loss of biological diversity and pollution and degradation of the environment (consideration of biological status i.r.o. site alternative selection);
- Pollution and degradation of the environment (e.g. the selection of water borne sanitation systems that will not interfere with the groundwater regime);
- The disturbance of landscapes and sites that constitute the nation's cultural heritage is avoided, or where it cannot be altogether avoided, is minimised and remedied (e.g. requesting a Heritage Impact Assessment and registering the application on SAHRIS);
- Waste;
- The use and exploitation of non-renewable natural resources;
- Negative impacts on the environment and on people's environmental rights by assessing potentially negative impacts in the selection of preferred alternatives.

The assessment also followed a risk-averse and cautious approach, which takes into account the limits of current knowledge about the consequences of decisions and actions as is reflected in the opinion of the EAP in this report. E.g. the uncertainty of dolomitic occurrence on Site Alternative 2 influenced the selection of a preferred site alternative.

It has been acknowledged in the assessment that all elements of the environment are linked and interrelated, and it must take into account the effects of decisions on all aspects of the environment and all people in the environment by pursuing the selection of the best practicable environmental option / alternative.

Environmental justice has been pursued in that adverse environmental impacts shall not be distributed in such a manner as to unfairly discriminate against any person, particularly vulnerable and disadvantaged persons. This has been achieved by ensuring that the proposed activity will not lead to adverse environmental impacts.

Equitable access to environmental resources, benefits and services to meet basic human needs and ensure human well-being has been pursued and special measures have been taken to ensure access thereto by categories of persons disadvantaged by unfair discrimination.

Responsibility for the environmental health and safety consequences of the activity throughout its life cycle is being described and assigned in the relevant EMPr.

The participation of all interested and affected parties in environmental governance has been promoted during the prescribed public participation process described elsewhere in the report.

Recommendations in the report has been informed by the outcome of the public participation process including the **articulated** interests, needs and values of all interested and affected parties.

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The social, economic and environmental impacts of activities, including disadvantages and benefits, have been considered, assessed and evaluated in the report, and decisions are deemed appropriate in the light of such consideration and assessment.

The right of workers to refuse work that is harmful to human health or the environment and to be informed of dangers is being respected and protected in *inter alia* the relevant EMPr.

The regulatory requirement to advertise the Record of Decision and the placement of information within the public domain guarantee transparency and access to information.
Intergovernmental co-ordination and harmonisation of policies, legislation and actions relating to the environment has been promoted by keeping governmental stakeholders informed on the process and providing them with draft reports.

It is being understood that actual or potential conflicts of interest between organs of state should be resolved through conflict resolution procedures.

The assessment was also conducted with the underlying understanding that the environment is held in public trust for the people, the beneficial use of environmental resources must serve the public interest and the environment must be protected as the people's common heritage.

The relevant EMPr ensures that the costs of remedying pollution, environmental degradation and consequent adverse health effects and of preventing, controlling or minimising further pollution, environmental damage or adverse health effects must be paid for by those responsible for harming the environment.

11. 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	Applicability to the project	Administering authority	Date
The National Environmental Management Act	Basic Assessment required (Appendix J5)	DEAT	1998
National Heritage Act	HIA required	SAHRA	1999

12. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

KINDLY REFER TO APPENDICES D1, D2 & J3 (ALTERNATIVE 1 IN THIS REPORT REFERS TO ALTERNATIVE 2 IN SPECIALIST REPORTS AND *VICE VERSA*)

a) Solid waste management

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

YES ✓	NO
Unknown	

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

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

To be used as backfill on site or removed from site in municipal waste skips.

BASIC ASSESSMENT REPORT

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

On-site as backfill or at a municipal waste site in waste skips.

Will the activity produce solid waste during its operational phase?

<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
---	-----------------------------

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

Not known

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

Solid waste to be disposed of into the municipal stream. Medical waste to be removed by private contractor (Appendix J2).

If the solid waste will be disposed of into a municipal waste stream, indicate which registered landfill site will be used.

Tlokwe Council licenced waste disposal site (Appendices D1&D2).

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

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, then 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 NEM:WA?

<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
------------------------------	--

If YES, inform the competent authority and request a change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

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

<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
------------------------------	--

If YES, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

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"/> YES	<input checked="" type="checkbox"/> NO
------------------------------	--

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

m ³

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

<input type="checkbox"/> YES	<input checked="" type="checkbox"/> 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.

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

<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
------------------------------	--

If YES, provide the particulars of the facility:

Facility name:		
Contact person:		
Postal address:		
Postal code:		
Telephone:	Cell:	
E-mail:	Fax:	

BASIC ASSESSMENT REPORT

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

-

c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere other than exhaust emissions and dust associated with construction phase activities?

YES	NO <input checked="" type="checkbox"/>
-----	---

If YES, is it controlled by any legislation of any sphere of government?

YES	NO <input checked="" type="checkbox"/>
-----	---

If YES, the applicant must 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:

--

d) Waste permit

Will any aspect of the activity produce waste that will require a waste permit in terms of the NEM:WA?

YES	NO <input checked="" type="checkbox"/>
-----	---

If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority

e) Generation of noise

Will the activity generate noise?

YES	NO <input checked="" type="checkbox"/>
-----	---

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:

The activity as such will not generate a noise, but emergency vehicles collecting and delivering patients may generate noise associated with emergency vehicles.
--

13. WATER USE

KINDLY REFER TO APPENDICES D1, D2 & J3 (ALTERNATIVE 1 IN THIS REPORT REFERS TO ALTERNATIVE 2 IN SPECIALIST REPORTS AND VICE VERSA)

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

<input checked="" type="checkbox"/> Municipal	<input type="checkbox"/> Water board	<input type="checkbox"/> Groundwater	<input type="checkbox"/> River, stream, dam or lake	<input type="checkbox"/> Other	<input type="checkbox"/> The activity will not use water
---	--------------------------------------	--------------------------------------	---	--------------------------------	--

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:

litres	
--------	--

Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?

YES	NO <input checked="" type="checkbox"/>
-----	---

If YES, please provide proof that the application has been submitted to the Department of Water Affairs.

14. ENERGY EFFICIENCY

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

-

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

-

SITE ALTERNATIVE 2: VACANT SITE ON THE NORTH WESTERN CORNER OF ROAD R53 TO VENTERSDORP AND ELEAZER ROAD, POTCHEFSTROOM MILITARY BASE

3. PHYSICAL SIZE OF THE ACTIVITY

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

Alternative:

Alternative A1² (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Size of the activity:

±20 000 m ²
m ²
m ²

or, for linear activities:

Alternative:

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Length of the activity:

m
m
m

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

Alternative:

Alternative A1

Alternative A2

Alternative A3

Size of the site/servitude:

± 50 000 m ²
±100 000 m ²
±137 000 m ²

4. SITE ACCESS

Does ready access to the site exist?

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

YES <input checked="" type="checkbox"/>	NO
m	

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

Describe the type of access road planned:

Not applicable, The proposed site can be accessed from the existing Provincial road known as Eleazer Street linking onto the R53, the Potchefstroom Ventersdorp Road. No access will be allowed directly from the R53 (Potchefstroom Ventersdorp road) because it is an arterial road with limited access (Appendix D1).

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

5. LOCALITY MAP

An A3 locality map must be attached to the back of this document, as Appendix A. The scale of the locality map must be relevant to the size of the development (at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map.). The map must indicate the following:

- an accurate indication of the project site position as well as the positions of the alternative sites, if any;
- indication of all the alternatives identified;
- closest town(s);
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and
- a north arrow;
- a legend; and
- locality GPS co-ordinates (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).

6. LAYOUT/ROUTE PLAN

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:

- the property boundaries and numbers of all the properties within 50 metres of the site;
- the current land use as well as the land use zoning of the site;
- the current land use as well as the land use zoning each of the properties adjoining the site or sites;
- the exact position of each listed activity applied for (including alternatives);
- servitude(s) indicating the purpose of the servitude;
- a legend; and
- a north arrow.

7. SENSITIVITY MAP

The layout/route plan as indicated above must be overlain with a sensitivity map that indicates all the sensitive areas associated with the site, including, but not limited to:

- watercourses;
- the 1:100 year flood line (where available or where it is required by DWA);
- ridges;
- cultural and historical features;
- areas with indigenous vegetation (even if it is degraded or infested with alien species); and
- critical biodiversity areas.

The sensitivity map must also cover areas within 100m of the site and must be attached in Appendix A.

8. SITE PHOTOGRAPHS

Colour photographs from the centre 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 report. It must be supplemented with additional photographs of relevant features on the site, if applicable.

9. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of at least 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.

10. ACTIVITY MOTIVATION

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

1. Is the activity permitted in terms of the property's existing land use rights?	YES ✓	NO	Please explain
The land is zoned in the Tlokwe City Council IDP 2011 – 2016 for Government, the same as that of the activity.			
2. Will the activity be in line with the following?			
(a) Provincial Spatial Development Framework (PSDF)	YES ✓	NO	Please explain
The Tlokwe City Council IDP 2011 – 2016 has been provincially aligned.			
(b) Urban edge / Edge of Built environment for the area	YES ✓	NO	Please explain
The site is within the IDP's "urban fringe".			
(c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?).	YES ✓	NO	Please explain
The application is in line with the relevant IDP and SDF and will not compromise its integrity.			

BASIC ASSESSMENT REPORT

(d) Approved Structure Plan of the Municipality	YES	NO	Please explain
Kindly refer to the relevant SDF Zoning Plan.			
(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)	YES ✓	NO	
The activity does not impact on any of the prominent environmental features listed in the North West SDF & Zoning Plan as specifically mentioned in the relevant EMF.			
(f) Any other Plans (e.g. Guide Plan)	YES	NO	Please explain
Kindly refer to the relevant SDF Zoning Plan.			
3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?	YES ✓	NO	Please explain
The 2013 IDP Review document records the need for additional health services.			
4. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)	YES	NO	Please explain
The Military Health Unit: North West identified the need for a new military health care facility at Potchefstroom.			
5. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix J3)	YES	NO ✓	Please explain
Municipal confirmation of adequacy of services has only been provided for Alternative 1 (Appendix J3) and not for this site alternative.			
6. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix J3.)	YES	NO ✓	Please explain
Municipal confirmation of adequacy of services has only been provided for Alternative 1 (Appendix J3) and not for this site alternative.			
7. Is this project part of a national programme to address an issue of national concern or importance?	YES ✓	NO	Please explain
It represents a Strategic Infrastructure Project SIP 12: Build and refurbish hospitals, other public health facilities.			

BASIC ASSESSMENT REPORT

8. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)	YES	NO ✓	Please explain
This is not the preferred location alternative. Kindly refer to comparative impact assessment of alternatives elsewhere in this report as well as all comparative specialist studies..			
9. Is the development the best practicable environmental option for this land/site?	YES	NO ✓	Please explain
Kindly refer to comparative impact assessment of alternatives elsewhere in this report as well as all comparative specialist studies.			
10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?	YES	NO ✓	Please explain
Kindly refer to environmental impact statement elsewhere in report.			
11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?	YES	NO ✓	Please explain
The proposed land use is already in line with existing municipal land use zoning.			
12. Will any person's rights be negatively affected by the proposed activity/ies?	YES	NO ✓	Please explain
This is vacant land that has not been earmarked for any other use or users.			
13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?	YES	NO ✓	Please explain
The site is situated within the "urban edge" as defined by the local municipality.			
14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?	YES ✓	NO	Please explain
SIP 12: Build and refurbish hospitals, other public health facilities.			
15. What will the benefits be to society in general and to the local communities?	Please explain		
The local community i.e. the military community, will gain access to a modern, professional health service. This service will also be used for the benefit of the regional military community in general.			
16. Any other need and desirability considerations related to the proposed activity?	Please explain		
The need for a new military health care facility has been exacerbated by the ageing, outdated and inadequate nature of the structure, infrastructure and equipment of the existing facility.			
17. How does the project fit into the National Development Plan for 2030?	Please explain		
The National Development Plan for 2030 provides for quality health care and addressing health infrastructure backlogs.			

18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.

This report encompasses the general objectives and requirements of Integrated Environmental Management as set out in section 23 of NEMA.

19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.

People and their needs have been placed at the forefront of this assessment by taking into account the impact of the proposed activity on their physical, psychological, developmental, cultural and social interests. E.g. the loss of sports facilities in the instance of Site Alternative 3 has been duly recorded and considered in the selection of a preferred site alternative.

The assessment took into account the proposed development's social, environmental and economic sustainability by *inter alia* avoiding or minimising and remedying the following if and where applicable:

- The disturbance of ecosystems, loss of biological diversity and pollution and degradation of the environment (consideration of biological status i.r.o. site alternative selection);
- Pollution and degradation of the environment (e.g. the selection of water borne sanitation systems that will not interfere with the groundwater regime);
- The disturbance of landscapes and sites that constitute the nation's cultural heritage is avoided, or where it cannot be altogether avoided, is minimised and remedied (e.g. requesting a Heritage Impact Assessment and registering the application on SAHRIS);
- Waste;
- The use and exploitation of non-renewable natural resources;
- Negative impacts on the environment and on people's environmental rights by assessing potentially negative impacts in the selection of preferred alternatives.

The assessment also followed a risk-averse and cautious approach, which takes into account the limits of current knowledge about the consequences of decisions and actions as is reflected in the opinion of the EAP in this report. E.g. the uncertainty of dolomitic occurrence on Site Alternative 2 influenced the selection of a preferred site alternative.

BASIC ASSESSMENT REPORT

People and their needs have been placed at the forefront of this assessment by taking into account the impact of the proposed activity on their physical, psychological, developmental, cultural and social interests. E.g. the loss of sports facilities in the instance of Site Alternative 3 has been duly recorded and considered in the selection of a preferred site alternative.

The assessment took into account the proposed development's social, environmental and economic sustainability by *inter alia* avoiding or minimising and remedying the following if and where applicable:

- The disturbance of ecosystems, loss of biological diversity and pollution and degradation of the environment (consideration of biological status i.r.o. site alternative selection);
- Pollution and degradation of the environment (e.g. the selection of water borne sanitation systems that will not interfere with the groundwater regime);
- The disturbance of landscapes and sites that constitute the nation's cultural heritage is avoided, or where it cannot be altogether avoided, is minimised and remedied (e.g. requesting a Heritage Impact Assessment and registering the application on SAHRIS);
- Waste;
- The use and exploitation of non-renewable natural resources;
- Negative impacts on the environment and on people's environmental rights by assessing potentially negative impacts in the selection of preferred alternatives.

The assessment also followed a risk-averse and cautious approach, which takes into account the limits of current knowledge about the consequences of decisions and actions as is reflected in the opinion of the EAP in this report. E.g. the uncertainty of dolomitic occurrence on Site Alternative 1 influenced the selection of a preferred site alternative.

It has been acknowledged in the assessment that all elements of the environment are linked and interrelated, and it must take into account the effects of decisions on all aspects of the environment and all people in the environment by pursuing the selection of the best practicable environmental option / alternative.

Environmental justice has been pursued in that adverse environmental impacts shall not be distributed in such a manner as to unfairly discriminate against any person, particularly vulnerable and disadvantaged persons. This has been achieved by ensuring that the proposed activity will not lead to adverse environmental impacts.

Equitable access to environmental resources, benefits and services to meet basic human needs and ensure human well-being has been pursued and special measures have been taken to ensure access thereto by categories of persons disadvantaged by unfair discrimination.

Responsibility for the environmental health and safety consequences of the activity throughout its life cycle is being described and assigned in the relevant EMPr.

The participation of all interested and affected parties in environmental governance has been promoted during the prescribed public participation process described elsewhere in the report.

Recommendations in the report has been informed by the outcome of the public participation process including the **articulated** interests, needs and values of all interested and affected parties.

The social, economic and environmental impacts of activities, including disadvantages and benefits, have been considered, assessed and evaluated in the report, and decisions are deemed appropriate in the light of such consideration and assessment.

The right of workers to refuse work that is harmful to human health or the environment and to be informed of dangers is being respected and protected in *inter alia* the relevant EMPr.

BASIC ASSESSMENT REPORT

The regulatory requirement to advertise the Record of Decision and the placement of information within the public domain guarantee transparency and access to information. Intergovernmental co-ordination and harmonisation of policies, legislation and actions relating to the environment has been promoted by keeping governmental stakeholders informed on the process and providing them with draft reports.

It is being understood that actual or potential conflicts of interest between organs of state should be resolved through conflict resolution procedures.

The assessment was also conducted with the underlying understanding that the environment is held in public trust for the people, the beneficial use of environmental resources must serve the public interest and the environment must be protected as the people's common heritage.

The relevant EMPr ensures that the costs of remedying pollution, environmental degradation and consequent adverse health effects and of preventing, controlling or minimising further pollution, environmental damage or adverse health effects must be paid for by those responsible for harming the environment.

11. 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	Applicability to the project	Administering authority	Date
The National Environmental Management Act	Basic Assessment required (Appendix J5)	DEAT	1998
National Heritage Act	HIA required	SAHRA	1999

12. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

KINDLY REFER TO APPENDIX D1 (ALTERNATIVE 1 IN THIS REPORT REFERS TO ALTERNATIVE 2 IN SPECIALIST REPORTS AND VICE VERSA)

a) Solid waste management

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

YES ✓	NO
Unknown	

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

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

To be used as backfill on site or removed from site in municipal waste skips.

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

On-site as backfill or at a municipal waste site in waste skips.

Will the activity produce solid waste during its operational phase?

YES ✓	NO
Unknown	

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

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

BASIC ASSESSMENT REPORT

Solid waste to be disposed of into municipal stream. Medical waste to be removed by private contractor (Appendix J2).

If the solid waste will be disposed of into a municipal waste stream, indicate which registered landfill site will be used.

Tlokwe Council licenced waste disposal site (Appendix D1).

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

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, then 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 NEM:WA?

YES	<input checked="" type="checkbox"/> NO
-----	--

If YES, inform the competent authority and request a change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

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

YES	<input checked="" type="checkbox"/> NO
-----	--

If YES, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

b) Liquid effluent

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

YES	<input checked="" type="checkbox"/> NO
-----	--

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

m ³	
----------------	--

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

YES	<input checked="" type="checkbox"/> 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.

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

YES	<input checked="" type="checkbox"/> NO
-----	--

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:

-

BASIC ASSESSMENT REPORT

c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere other than exhaust emissions and dust associated with construction phase activities?

YES	NO <input checked="" type="checkbox"/>
YES	NO <input checked="" type="checkbox"/>

If YES, is it controlled by any legislation of any sphere of government?

If YES, the applicant must 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:

--

d) Waste permit

Will any aspect of the activity produce waste that will require a waste permit in terms of the NEM:WA?

YES	NO <input checked="" type="checkbox"/>
-----	--

If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority

e) Generation of noise

Will the activity generate noise?

YES	NO <input checked="" type="checkbox"/>
YES	NO

If YES, is it controlled by any legislation of any sphere of government?

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:

The activity as such will not generate a noise, but emergency vehicles collecting and delivering patients may generate noise associated with emergency vehicles.
--

13. WATER USE

KINDLY REFER TO APPENDIX D1 (ALTERNATIVE 1 IN THIS REPORT REFERS TO ALTERNATIVE 2 IN SPECIALIST REPORTS AND VICE VERSA)

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

Municipal <input checked="" type="checkbox"/>	Water board	Groundwater	River, stream, dam or lake	Other	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:

Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?

litres	
YES	NO <input checked="" type="checkbox"/>

If YES, please provide proof that the application has been submitted to the Department of Water Affairs.

14. ENERGY EFFICIENCY

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

BASIC ASSESSMENT REPORT

-

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

-

SITE ALTERNATIVE 3: SPORTS FIELD, POTCHEFSTROOM MILITARY BASE

3. PHYSICAL SIZE OF THE ACTIVITY

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

Alternative:

Alternative A1³ (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Size of the activity:

±20 000 m ²
m ²
m ²

or, for linear activities:

Alternative:

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Length of the activity:

m
m
m

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

Alternative:

Alternative A1

Alternative A2

Alternative A3

Size of the site/servitude:

± 50 000 m ²
±100 000 m ²
±137 000 m ²

4. SITE ACCESS

Does ready access to the site exist?

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

YES ✓	NO
m	

Describe the type of access road planned:

Not applicable, The proposed site is outlined by three streets. These streets are Doelwit Street on the northern side, Boundary Street on the western side and General Koos De La Rey Street on the southern and eastern sides. Doelwit Street leads to Tigermoth Street that in turn leads to Tigermoth Street linking the site to the R53 Potchefstroom Ventersdorp Road (Appendix D1).

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

³ "Alternative A.." refer to activity, process, technology or other alternatives.

5. LOCALITY MAP

An A3 locality map must be attached to the back of this document, as Appendix A. The scale of the locality map must be relevant to the size of the development (at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map.). The map must indicate the following:

- an accurate indication of the project site position as well as the positions of the alternative sites, if any;
- indication of all the alternatives identified;
- closest town(s);
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and
- a north arrow;
- a legend; and
- locality GPS co-ordinates (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).

6. LAYOUT/ROUTE PLAN

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:

- the property boundaries and numbers of all the properties within 50 metres of the site;
- the current land use as well as the land use zoning of the site;
- the current land use as well as the land use zoning each of the properties adjoining the site or sites;
- the exact position of each listed activity applied for (including alternatives);
- servitude(s) indicating the purpose of the servitude;
- a legend; and
- a north arrow.

7. SENSITIVITY MAP

The layout/route plan as indicated above must be overlain with a sensitivity map that indicates all the sensitive areas associated with the site, including, but not limited to:

- watercourses;
- the 1:100 year flood line (where available or where it is required by DWA);
- ridges;
- cultural and historical features;
- areas with indigenous vegetation (even if it is degraded or infested with alien species); and
- critical biodiversity areas.

The sensitivity map must also cover areas within 100m of the site and must be attached in Appendix A.

8. SITE PHOTOGRAPHS

Colour photographs from the centre 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 report. It must be supplemented with additional photographs of relevant features on the site, if applicable.

9. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of at least 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.

10. ACTIVITY MOTIVATION

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

1. Is the activity permitted in terms of the property's existing land use rights?	YES ✓	NO	Please explain
The land is zoned in the Tlokwe City Council IDP 2011 – 2016 for Government, the same as that of the activity.			
2. Will the activity be in line with the following?			
(a) Provincial Spatial Development Framework (PSDF)	YES ✓	NO	Please explain
The Tlokwe City Council IDP 2011 – 2016 has been provincially aligned.			
(b) Urban edge / Edge of Built environment for the area	YES ✓	NO	Please explain
The site is within the IDP's "urban fringe".			
(c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?).	YES ✓	NO	Please explain
The application is in line with the relevant IDP and SDF and will not compromise its integrity.			
(d) Approved Structure Plan of the Municipality	YES ✓	NO	Please explain
Kindly refer to the relevant SDF Zoning Plan.			
(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)	YES ✓	NO	
The activity does not impact on any of the prominent environmental features listed in the North West SDF & Zoning Plan as specifically mentioned in the relevant EMF.			
(f) Any other Plans (e.g. Guide Plan)	YES ✓	NO	Please explain
Kindly refer to the relevant SDF Zoning Plan.			

BASIC ASSESSMENT REPORT

<p>3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>The 2013 IDP Review document records the need for additional health services.</p>			
<p>4. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>The Military Health Unit: North West identified the need for a new military health care facility at Potchefstroom. It is being deemed necessary at national level as well as the specific local context.</p>			
<p>5. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix J3)</p>	<p>YES</p>	<p>NO ✓</p>	<p>Please explain</p>
<p>Municipal confirmation of adequacy of services has only been provided for Alternative 1 (Appendix J3) and not for this site alternative.</p>			
<p>6. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix J3.)</p>	<p>YES</p>	<p>NO ✓</p>	<p>Please explain</p>
<p>Municipal confirmation of adequacy of services has only been provided for Alternative 1 (Appendix J3) and not for this site alternative.</p>			
<p>7. Is this project part of a national programme to address an issue of national concern or importance?</p>	<p>YES ✓</p>	<p>NO</p>	<p>Please explain</p>
<p>It represents a Strategic Infrastructure Project SIP 12: Build and refurbish hospitals, other public health facilities.</p>			
<p>8. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)</p>	<p>YES</p>	<p>NO ✓</p>	<p>Please explain</p>
<p>This is not the preferred location alternative. Kindly refer to comparative impact assessment of alternatives elsewhere in this report as well as all comparative specialist studies. A specific concern pertaining to this site alternative is the social impact it may have if the activity is established on an existing operational sports field.</p>			
<p>9. Is the development the best practicable environmental option for this land/site?</p>	<p>YES</p>	<p>NO ✓</p>	<p>Please explain</p>
<p>Kindly refer to comparative impact assessment of alternatives elsewhere in this report as well as all comparative specialist studies.</p>			

BASIC ASSESSMENT REPORT

<p>10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?</p>	YES	NO ✓	Please explain
<p>Kindly refer to environmental impact statement elsewhere in report.</p>			
<p>11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?</p>	YES	NO ✓	Please explain
<p>The proposed land use is already in line with existing municipal land use zoning.</p>			
<p>12. Will any person's rights be negatively affected by the proposed activity/ies?</p>	YES ✓	NO	Please explain
<p>The rights of the athletes and sports teams that are currently making use of the sports field will be negatively affected by the proposed activity since the sports field will have to be fully decommissioned due to the incompatibility of the noise associated with it with the proposed activity.</p>			
<p>13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?</p>	YES	NO ✓	Please explain
<p>The site is situated within the "urban edge" as defined by the local municipality.</p>			
<p>14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPs)?</p>	YES ✓	NO	Please explain
<p>SIP 12: Build and refurbish hospitals, other public health facilities.</p>			
<p>15. What will the benefits be to society in general and to the local communities?</p>	Please explain		
<p>The local community i.e. the military community, will gain access to a modern, professional health service. This service will also be used for the benefit of the regional military community in general.</p>			
<p>16. Any other need and desirability considerations related to the proposed activity?</p>	Please explain		
<p>The need for a new military health care facility has been exacerbated by the ageing, outdated and inadequate nature of the structure, infrastructure and equipment of the existing facility.</p>			
<p>17. How does the project fit into the National Development Plan for 2030?</p>	Please explain		
<p>The National Development Plan for 2030 provides for quality health care and addressing health infrastructure backlogs.</p>			
<p>18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.</p>			
<p>This report encompasses the general objectives and requirements of Integrated Environmental Management as set out in section 23 of NEMA.</p>			
<p>19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.</p>			
<p>People and their needs have been placed at the forefront of this assessment by taking into account the impact of the proposed activity on their physical, psychological, developmental, cultural and social interests. E.g. the loss of sports facilities in the instance of this site alternative 3 has been duly recorded and considered in the selection of a preferred site alternative.</p>			

The assessment took into account the proposed development's social, environmental and economic sustainability by *inter alia* avoiding or minimising and remedying the following if and where applicable:

- The disturbance of ecosystems, loss of biological diversity and pollution and degradation of the environment (consideration of biological status i.r.o. site alternative selection);
- Pollution and degradation of the environment (e.g. the selection of water borne sanitation systems that will not interfere with the groundwater regime);
- The disturbance of landscapes and sites that constitute the nation's cultural heritage is avoided, or where it cannot be altogether avoided, is minimised and remedied (e.g. requesting a Heritage Impact Assessment and registering the application on SAHRIS);
- Waste;
- The use and exploitation of non-renewable natural resources;
- Negative impacts on the environment and on people's environmental rights by assessing potentially negative impacts in the selection of preferred alternatives.

The assessment also followed a risk-averse and cautious approach, which takes into account the limits of current knowledge about the consequences of decisions and actions as is reflected in the opinion of the EAP in this report. E.g. the uncertainty of dolomitic occurrence on Site Alternative 2 influenced the selection of a preferred site alternative.

People and their needs have been placed at the forefront of this assessment by taking into account the impact of the proposed activity on their physical, psychological, developmental, cultural and social interests. E.g. the loss of sports facilities in the instance of Site Alternative 3 has been duly recorded and considered in the selection of a preferred site alternative.

The assessment took into account the proposed development's social, environmental and economic sustainability by *inter alia* avoiding or minimising and remedying the following if and where applicable:

- The disturbance of ecosystems, loss of biological diversity and pollution and degradation of the environment (consideration of biological status i.r.o. site alternative selection);
- Pollution and degradation of the environment (e.g. the selection of water borne sanitation systems that will not interfere with the groundwater regime);
- The disturbance of landscapes and sites that constitute the nation's cultural heritage is avoided, or where it cannot be altogether avoided, is minimised and remedied (e.g. requesting a Heritage Impact Assessment and registering the application on SAHRIS);
- Waste;
- The use and exploitation of non-renewable natural resources;
- Negative impacts on the environment and on people's environmental rights by assessing potentially negative impacts in the selection of preferred alternatives.

The assessment also followed a risk-averse and cautious approach, which takes into account the limits of current knowledge about the consequences of decisions and actions as is reflected in the opinion of the EAP in this report. E.g. the uncertainty of dolomitic occurrence on Site Alternative 1 influenced the selection of a preferred site alternative.

It has been acknowledged in the assessment that all elements of the environment are linked and interrelated, and it must take into account the effects of decisions on all aspects of the environment and all people in the environment by pursuing the selection of the best practicable environmental option / alternative.

Environmental justice has been pursued in that adverse environmental impacts shall not be distributed in such a manner as to unfairly discriminate against any person, particularly vulnerable and disadvantaged persons. This has been achieved by ensuring that the proposed activity will not lead to adverse environmental impacts.

Equitable access to environmental resources, benefits and services to meet basic human needs and ensure human well-being has been pursued and special measures have been taken to ensure access thereto by categories of persons disadvantaged by unfair discrimination.

BASIC ASSESSMENT REPORT

Responsibility for the environmental health and safety consequences of the activity throughout its life cycle is being described and assigned in the relevant EMPr.

The participation of all interested and affected parties in environmental governance has been promoted during the prescribed public participation process described elsewhere in the report.

Recommendations in the report has been informed by the outcome of the public participation process including the **articulated** interests, needs and values of all interested and affected parties.

The social, economic and environmental impacts of activities, including disadvantages and benefits, have been considered, assessed and evaluated in the report, and decisions are deemed appropriate in the light of such consideration and assessment.

The right of workers to refuse work that is harmful to human health or the environment and to be informed of dangers is being respected and protected in *inter alia* the relevant EMPr.

The regulatory requirement to advertise the Record of Decision and the placement of information within the public domain guarantee transparency and access to information.

Intergovernmental co-ordination and harmonisation of policies, legislation and actions relating to the environment has been promoted by keeping governmental stakeholders informed on the process and providing them with draft reports.

It is being understood that actual or potential conflicts of interest between organs of state should be resolved through conflict resolution procedures.

The assessment was also conducted with the underlying understanding that the environment is held in public trust for the people, the beneficial use of environmental resources must serve the public interest and the environment must be protected as the people's common heritage.

The relevant EMPr ensures that the costs of remedying pollution, environmental degradation and consequent adverse health effects and of preventing, controlling or minimising further pollution, environmental damage or adverse health effects must be paid for by those responsible for harming the environment.

11. 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	Applicability to the project	Administering authority	Date
The National Environmental Management Act	Basic Assessment required (Appendix J5)	DEAT	1998
National Heritage Act	HIA required	SAHRA	1999

12. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

KINDLY REFER TO APPENDIX D1 (ALTERNATIVE 1 IN THIS REPORT REFERS TO ALTERNATIVE 2 IN SPECIALIST REPORTS AND *VICE VERSA*)

a) Solid waste management

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

YES ✓	NO
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BASIC ASSESSMENT REPORT

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

Unknown

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

To be used as backfill on site or removed from site in municipal waste skips.

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

On-site as backfill or at a municipal waste site in waste skips.
--

Will the activity produce solid waste during its operational phase?

<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
---	-----------------------------

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

Unknown

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

Solid waste to be disposed of into municipal stream. Medical waste to be removed by private contractor (Appendix J2).

If the solid waste will be disposed of into a municipal waste stream, indicate which registered landfill site will be used.

Tlokwe Council licenced waste disposal site (Appendix D1).
--

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

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, then 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 NEM:WA?

<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
------------------------------	--

If YES, inform the competent authority and request a change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

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

<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
------------------------------	--

If YES, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

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"/> YES	<input checked="" type="checkbox"/> NO
------------------------------	--

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

m ³

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

<input type="checkbox"/> YES	<input checked="" type="checkbox"/> 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.

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

<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
------------------------------	--

If YES, provide the particulars of the facility:

Facility name:

Contact

person:

BASIC ASSESSMENT REPORT

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:

-

c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere other than exhaust emissions and dust associated with construction phase activities?

YES	NO <input checked="" type="checkbox"/>
-----	---

If YES, is it controlled by any legislation of any sphere of government?

YES	NO <input checked="" type="checkbox"/>
-----	---

If YES, the applicant must 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:

--

d) Waste permit

Will any aspect of the activity produce waste that will require a waste permit in terms of the NEM:WA?

YES	NO <input checked="" type="checkbox"/>
-----	---

If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority

e) Generation of noise

Will the activity generate noise?

YES	NO <input checked="" type="checkbox"/>
-----	---

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:

The activity as such will not generate a noise, but emergency vehicles collecting and delivering patients may generate noise associated with emergency vehicles.
--

13. WATER USE

KINDLY REFER TO APPENDIX D1 (ALTERNATIVE 1 IN THIS REPORT REFERS TO ALTERNATIVE 2 IN SPECIALIST REPORTS AND VICE VERSA)

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

<input checked="" type="checkbox"/> Municipal	Water board	Groundwater	River, stream, dam or lake	Other	The activity will not use water
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BASIC ASSESSMENT REPORT

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:

Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?

litres	
YES	NO ↓

If YES, please provide proof that the application has been submitted to the Department of Water Affairs.

14. ENERGY EFFICIENCY

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

-

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

-

SECTION B: SITE/AREA/PROPERTY DESCRIPTION

Important notes:

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

Section B Copy No. (e.g. A):

1

PREFERRED SITE ALTERNATIVE 1: VACANT SITE BETWEEN AUSTER, AFMARS & TIGERMOTH STREETS, POTCHEFSTROOM MILITARY BASE

2. Paragraphs 1 - 6 below must be completed for each alternative.

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

YES	NO
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If YES, please complete the form entitled "Details of specialist and declaration of interest" for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

KINDLY REFER TO LEGAL INFORMATION REPORT APPENDIX D3 (ALTERNATIVE 1 IN THIS REPORT REFERS TO ALTERNATIVE 2 IN SPECIALIST REPORTS AND VICE VERSA)

BASIC ASSESSMENT REPORT

Property description/physical address:

Province	North West Province
District Municipality	Kenneth Kaunda District Municipality
Local Municipality	Tlokwe City Council
Ward Number(s)	6
Farm name and number	Town and Townlands of Potchefstroom 435 IQ
Portion number	The Remainder and Portion 429
SG Code	T0IQ0000000043500000 T0IQ0000000043500429

Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application including the same information as indicated above.

Current land-use zoning as per local municipality IDP/records:

Government

In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to, to this application.

Is a change of land-use or a consent use application required?

YES	NO <input checked="" type="checkbox"/>
-----	--

1. GRADIENT OF THE SITE

KINDLY REFER TO TOPOGRAPHICAL SURVEY REPORT APPENDIX D4 (ALTERNATIVE 1 IN THIS REPORT REFERS TO ALTERNATIVE 2 IN SPECIALIST REPORTS & VICE VERSA)

Indicate the general gradient of the site.

Alternative S1:

Flat <input checked="" type="checkbox"/>	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 (if any):

Flat	1:50 – 1:20 <input checked="" type="checkbox"/>	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 (if any):

Flat <input checked="" type="checkbox"/>	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:

2.1 Ridgeline <input type="checkbox"/>	2.4 Closed valley <input type="checkbox"/>	2.7 Undulating plain / low hills <input type="checkbox"/>
2.2 Plateau <input type="checkbox"/>	2.5 Open valley <input type="checkbox"/>	2.8 Dune <input type="checkbox"/>
2.3 Side slope of hill/mountain <input type="checkbox"/>	2.6 Plain <input type="checkbox"/>	2.9 Seafront <input checked="" type="checkbox"/>

BASIC ASSESSMENT REPORT

3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

KINDLY REFER TO APPENDICES D5&D6 (ALTERNATIVE 1 IN THIS REPORT REFERS TO ALTERNATIVE 2 IN SPECIALIST REPORTS & VICE VERSA)

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

	Alternative S1:		Alternative S2 (if any):		Alternative S3 (if any):	
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.

4. GROUNDCOVER

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

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.

5. SURFACE WATER

Indicate the surface water present on and or adjacent to the site and alternative sites?

Perennial River	YES	NO ✓	UNSURE
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BASIC ASSESSMENT REPORT

Non-Perennial River	YES	NO ✓	UNSURE
Permanent Wetland	YES	NO ✓	UNSURE
Seasonal Wetland	YES	NO ✓	UNSURE
Artificial Wetland	YES	NO ✓	UNSURE
Estuarine / Lagoonal wetland	YES	NO ✓	UNSURE

If any of the boxes marked YES or UNSURE is ticked, please provide a description of the relevant watercourse.

6. LAND USE CHARACTER OF SURROUNDING AREA

Indicate land uses and/or prominent features that currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

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

If any of the boxes marked with an "N" are ticked, how will this impact / be impacted upon by the proposed activity?

The close proximity of the proposed activity to the Potchefstroom airfield is being mentioned in the relevant comparative engineering services report (Appendix D1) as a benefit when patients are to be flown in.

If any of the boxes marked with an "An" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

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BASIC ASSESSMENT REPORT

If any of the boxes marked with an "H" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

--

Does the proposed site (including any alternative sites) fall within any of the following:

Critical Biodiversity Area (as per provincial conservation plan)	YES	NO
Core area of a protected area?	YES	NO
Buffer area of a protected area?	YES	NO
Planned expansion area of an existing protected area?	YES	NO
Existing offset area associated with a previous Environmental Authorisation?	YES	NO
Buffer area of the SKA?	YES	NO

If the answer to any of these questions was YES, a map indicating the affected area must be included in Appendix A.

7. CULTURAL/HISTORICAL FEATURES

KINDLY REFER TO HERITAGE IMPACT ASSESSMENT APPENDIX D7

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 paleontological sites, on or close (within 20m) to the site? If YES, explain:

YES	NO
Uncertain	

--

If uncertain, conduct a specialist investigation by a recognised specialist in the field (archaeology or palaeontology) 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
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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 provide proof that this permit application has been submitted to SAHRA or the relevant provincial authority.

8. SOCIO-ECONOMIC CHARACTER

a) Local Municipality

Please provide details on the socio-economic character of the local municipality in which the proposed site(s) are situated.

BASIC ASSESSMENT REPORT

Level of unemployment:

An unemployment rate of 21.6% is being suggested for this municipality by “The Local Government Handbook” (www.localgovernment.co.za).

Economic profile of local municipality:

Main Economic Sectors: Business, agriculture, manufacturing, services (“The Local Government Handbook: www.localgovernment.co.za).

Level of education:

Education (aged 20 +)
No Schooling: 6.90%
Higher Education: 14.20%
Matric: 30.30%
 (“The Local Government Handbook: www.localgovernment.co.za).

b) Socio-economic value of the activity

What is the expected capital value of the activity on completion?	R 103 276 654		
What is the expected yearly income that will be generated by or as a result of the activity?	R -		
Will the activity contribute to service infrastructure?	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">YES ✓</td> <td style="width: 50%; text-align: center;">NO</td> </tr> </table>	YES ✓	NO
YES ✓	NO		
Is the activity a public amenity?	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">YES</td> <td style="width: 50%; text-align: center;">NO ✓</td> </tr> </table>	YES	NO ✓
YES	NO ✓		
How many new employment opportunities will be created in the development and construction phase of the activity/ies?	Uncertain		
What is the expected value of the employment opportunities during the development and construction phase?	Uncertain		
What percentage of this will accrue to previously disadvantaged individuals?	Uncertain		
How many permanent new employment opportunities will be created during the operational phase of the activity?	Uncertain		
What is the expected current value of the employment opportunities during the first 10 years?	Uncertain		
What percentage of this will accrue to previously disadvantaged individuals?	Uncertain		

9. BIODIVERSITY

Please note: The Department may request specialist input/studies depending on the nature of the biodiversity occurring on the site and potential impact(s) of the proposed activity/ies. To assist with the identification of the biodiversity occurring on site and the ecosystem status consult <http://bgis.sanbi.org> or BGIShelp@sanbi.org. Information is also available on compact disc (cd) from the Biodiversity-GIS Unit, Ph (021) 799 8698. This information may be updated from time to time and it is the applicant/EAP’s responsibility to ensure that the latest version is used. A map of the relevant biodiversity information (including an indication of the habitat conditions as per (b) below) and must be provided as an overlay map to the property/site plan as Appendix D to this report.

BASIC ASSESSMENT REPORT

- a) **Indicate the applicable biodiversity planning categories of all areas on site and indicate the reason(s) provided in the biodiversity plan for the selection of the specific area as part of the specific category)**

Systematic Biodiversity Planning Category				If CBA or ESA, indicate the reason(s) for its selection in biodiversity plan
Critical Biodiversity Area (CBA)	Ecological Support Area (ESA)	Other Natural Area (ONA)	No Natural Area Remaining (NNR)	

- b) **Indicate and describe the habitat condition on site**

Habitat Condition	Percentage of habitat condition class (adding up to 100%)	Description and additional Comments and Observations (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc).
Natural	%	
Near Natural (includes areas with low to moderate level of alien invasive plants)	%	
Degraded (includes areas heavily invaded by alien plants)	%	
Transformed (includes cultivation, dams, urban, plantation, roads, etc)	100%	The area in question has already previously been subjected to total biological transformation due to temporary residential use.

- c) **Complete the table to indicate:**

- (i) the type of vegetation, including its ecosystem status, present on the site; and
(ii) whether an aquatic ecosystem is present on site.

Terrestrial Ecosystems		Aquatic Ecosystems						
Ecosystem threat status as per the National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	Critical	Wetland (including rivers, depressions, channelled and unchannelled wetlands, flats, seeps pans, and artificial wetlands)			Estuary		Coastline	
	Endangered							
	Vulnerable							
	Least Threatened	YES	NO	UNSURE	YES	NO	YES	NO

- d) **Please provide a description of the vegetation type and/or aquatic ecosystem present on site, including any important biodiversity features/information identified on site (e.g. threatened species and special habitats)**

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BASIC ASSESSMENT REPORT

Section B Copy No. (e.g. A): 2

SITE ALTERNATIVE 2: VACANT SITE ON THE NORTH WESTERN CORNER OF ROAD R53 TO VENTERSDORP AND ELEAZER ROAD, POTCHEFSTROOM MILITARY BASE

1. Paragraphs 1 – 6 below must be completed for each alternative.

2. Has a specialist been consulted to assist with the completion of this section? YES NO
 If YES, please complete the form entitled “Details of specialist and declaration of interest” for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

KINDLY REFER TO LEGAL INFORMATION REPORT APPENDIX D3 (ALTERNATIVE 2 IN THIS REPORT REFERS TO ALTERNATIVE 1 IN SPECIALIST REPORTS AND *VICE VERSA*)

Property description/physical address:

Province	North West Province
District Municipality	Kenneth Kaunda District Municipality
Local Municipality	Tlokwe City Council
Ward Number(s)	6
Farm name and number	Town and Townlands of Potchefstroom 435 IQ
Portion number	The Remainder and Portion 431
SG Code	T0IQ0000000004350000 T0IQ00000000043500431

Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application including the same information as indicated above.

Current land-use zoning as per local municipality IDP/records:

Government

In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to, to this application.

Is a change of land-use or a consent use application required? YES NO

BASIC ASSESSMENT REPORT

1. GRADIENT OF THE SITE

KINDLY REFER TO TOPOGRAPHICAL SURVEY REPORT APPENDIX D4 (ALTERNATIVE 2 IN THIS REPORT REFERS TO ALTERNATIVE 1 IN SPECIALIST REPORTS & VICE VERSA)

Indicate the general gradient of the site.

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 (if any):

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 (if any):

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:

2.1 Ridgeline <input type="checkbox"/>	2.4 Closed valley <input type="checkbox"/>	2.7 Undulating plain / low hills <input type="checkbox"/>
2.2 Plateau <input type="checkbox"/>	2.5 Open valley <input type="checkbox"/>	2.8 Dune <input type="checkbox"/>
2.3 Side slope of hill/mountain <input type="checkbox"/>	2.6 Plain <input type="checkbox"/>	2.9 Seafront <input checked="" type="checkbox"/>

3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

KINDLY REFER TO APPENDIX D5 (ALTERNATIVE 2 IN THIS REPORT REFERS TO ALTERNATIVE 1 IN SPECIALIST REPORTS & VICE VERSA)

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

	Alternative S1:	Alternative S2 (if any):	Alternative S3 (if any):
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

BASIC ASSESSMENT REPORT

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.

4. GROUNDCOVER

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

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.

5. SURFACE WATER

Indicate the surface water present on and or adjacent to the site and alternative sites?

Perennial River	YES	NO ✓	UNSURE
Non-Perennial River	YES	NO ✓	UNSURE
Permanent Wetland	YES	NO ✓	UNSURE
Seasonal Wetland	YES	NO ✓	UNSURE
Artificial Wetland	YES	NO ✓	UNSURE
Estuarine / Lagoonal wetland	YES	NO ✓	UNSURE

If any of the boxes marked YES or UNSURE is ticked, please provide a description of the relevant watercourse.

6. LAND USE CHARACTER OF SURROUNDING AREA

Indicate land uses and/or prominent features that currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

Natural area	Dam or reservoir	Polo fields
Low density residential	Hospital/medical centre	Filling station ^H
Medium density residential	School	Landfill or waste treatment site

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High density residential	Tertiary education facility	Plantation
Informal residential ^A	Church	Agriculture
Retail commercial & warehousing	Old age home	River, stream or wetland
Light industrial	Sewage treatment plant ^A	Nature conservation area
Medium industrial ^{AN}	Train station or shunting yard ^N	Mountain, koppie or ridge
Heavy industrial ^{AN}	Railway line ^N	Museum
Power station	Major road (4 lanes or more) ^N	Historical building
Office/consulting room	Airport ^N	Protected Area
Military or police base/station/compound ✓	Harbour	Graveyard
Spoil heap or slimes dam ^A	Sport facilities	Archaeological site
Quarry, sand or borrow pit	Golf course	Other land uses (describe)

If any of the boxes marked with an "N" are ticked, how will this impact / be impacted upon by the proposed activity?

The close proximity of the proposed activity to the Potchefstroom airfield is being mentioned in the relevant comparative engineering services report (Appendix D1) as a benefit when patients are to be flown in.

If any of the boxes marked with an "An" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

If any of the boxes marked with an "H" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

Does the proposed site (including any alternative sites) fall within any of the following:

Critical Biodiversity Area (as per provincial conservation plan)	YES	NO
Core area of a protected area?	YES	NO
Buffer area of a protected area?	YES	NO
Planned expansion area of an existing protected area?	YES	NO
Existing offset area associated with a previous Environmental Authorisation?	YES	NO
Buffer area of the SKA?	YES	NO

If the answer to any of these questions was YES, a map indicating the affected area must be included in Appendix A.

7. CULTURAL/HISTORICAL FEATURES

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 paleontological sites, on or close (within 20m) to the site? If YES, explain:

YES	NO
Uncertain	

BASIC ASSESSMENT REPORT

If uncertain, conduct a specialist investigation by a recognised specialist in the field (archaeology or palaeontology) 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 <input checked="" type="checkbox"/>
-----	--

Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

YES	NO <input checked="" type="checkbox"/>
-----	--

If YES, please provide proof that this permit application has been submitted to SAHRA or the relevant provincial authority.

8. SOCIO-ECONOMIC CHARACTER

a) Local Municipality

Please provide details on the socio-economic character of the local municipality in which the proposed site(s) are situated.

Level of unemployment:

An unemployment rate of 21.6% is being suggested for this municipality by "The Local Government Handbook" (www.localgovernment.co.za).

Economic profile of local municipality:

Main Economic Sectors: Business, agriculture, manufacturing, services ("The Local Government Handbook: www.localgovernment.co.za).

Level of education:

Education (aged 20 +)
No Schooling: 6.90%
Higher Education: 14.20%
Matric: 30.30%
 ("The Local Government Handbook: www.localgovernment.co.za).

b) Socio-economic value of the activity

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

R 103 276 654

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

R -

Will the activity contribute to service infrastructure?

YES <input checked="" type="checkbox"/>	NO
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Is the activity a public amenity?

YES	NO <input checked="" type="checkbox"/>
-----	--

How many new employment opportunities will be created in the development and construction phase of the activity/ies?

Uncertain

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

Uncertain

What percentage of this will accrue to previously disadvantaged individuals?

Uncertain

BASIC ASSESSMENT REPORT

How many permanent new employment opportunities will be created during the operational phase of the activity?	Uncertain
What is the expected current value of the employment opportunities during the first 10 years?	Uncertain
What percentage of this will accrue to previously disadvantaged individuals?	Uncertain

9. BIODIVERSITY

Please note: The Department may request specialist input/studies depending on the nature of the biodiversity occurring on the site and potential impact(s) of the proposed activity/ies. To assist with the identification of the biodiversity occurring on site and the ecosystem status consult <http://bgis.sanbi.org> or BGIShelp@sanbi.org. Information is also available on compact disc (cd) from the Biodiversity-GIS Unit, Ph (021) 799 8698. This information may be updated from time to time and it is the applicant/EAP's responsibility to ensure that the latest version is used. A map of the relevant biodiversity information (including an indication of the habitat conditions as per (b) below) and must be provided as an overlay map to the property/site plan as Appendix D to this report.

- a) **Indicate the applicable biodiversity planning categories of all areas on site and indicate the reason(s) provided in the biodiversity plan for the selection of the specific area as part of the specific category)**

Systematic Biodiversity Planning Category				If CBA or ESA, indicate the reason(s) for its selection in biodiversity plan
Critical Biodiversity Area (CBA)	Ecological Support Area (ESA)	Other Natural Area (ONA)	No Natural Area Remaining (NNR)	

- b) **Indicate and describe the habitat condition on site**

Habitat Condition	Percentage of habitat condition class (adding up to 100%)	Description and additional Comments and Observations (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc).
Natural	%	
Near Natural (includes areas with low to moderate level of alien invasive plants)	100%	
Degraded (includes areas heavily invaded by alien plants)	%	
Transformed (includes cultivation, dams, urban, plantation, roads, etc)	%	

BASIC ASSESSMENT REPORT

c) Complete the table to indicate:

- (i) the type of vegetation, including its ecosystem status, present on the site; and
- (ii) whether an aquatic ecosystem is present on site.

Terrestrial Ecosystems		Aquatic Ecosystems							
Ecosystem threat status as per the National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	Critical	Wetland (including rivers, depressions, channelled and unchannelled wetlands, flats, seeps pans, and artificial wetlands)				Estuary		Coastline	
	Endangered								
	Vulnerable								
	Least Threatened	YES	NO	UNSURE	YES	NO	YES	NO	

d) Please provide a description of the vegetation type and/or aquatic ecosystem present on site, including any important biodiversity features/information identified on site (e.g. threatened species and special habitats)

Section B Copy No. (e.g. A):

3

SITE ALTERNATIVE 3: SPORTS FIELD, POTCHEFSTROOM MILITARY BASE

1. Paragraphs 1 – 6 below must be completed for each alternative.

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

If YES, please complete the form entitled “Details of specialist and declaration of interest” for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

KINDLY REFER TO LEGAL INFORMATION REPORT APPENDIX D3 (ALTERNATIVE 3 IN THIS REPORT REFERS TO ALTERNATIVE 3 IN SPECIALIST REPORTS)

Property description/physical address:

Province	North West Province
District Municipality	Kenneth Kaunda District Municipality
Local Municipality	Tlokwe City Council
Ward Number(s)	6
Farm name and number	Town and Townlands of Potchefstroom 435 IQ
Portion number	The Remainder
SG Code	T0IQ0000000043500000

Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application including the same information as indicated above.

Current land-use zoning as per local municipality IDP/records:

Government

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In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to, to this application.

Is a change of land-use or a consent use application required?

YES	NO <input checked="" type="checkbox"/>
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1. GRADIENT OF THE SITE

KINDLY REFER TO TOPOGRAPHICAL SURVEY REPORT APPENDIX D4 (ALTERNATIVE 3 IN THIS REPORT REFERS TO ALTERNATIVE 3 IN SPECIALIST REPORTS)

Indicate the general gradient of the site.

Alternative S1:

Flat <input checked="" type="checkbox"/>	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 (if any):

Flat	1:50 – 1:20 <input checked="" type="checkbox"/>	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 (if any):

Flat <input checked="" type="checkbox"/>	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:

2.1 Ridgeline <input type="checkbox"/>	2.4 Closed valley <input type="checkbox"/>	2.7 Undulating plain / low hills <input type="checkbox"/>
2.2 Plateau <input type="checkbox"/>	2.5 Open valley <input type="checkbox"/>	2.8 Dune <input type="checkbox"/>
2.3 Side slope of hill/mountain <input type="checkbox"/>	2.6 Plain <input type="checkbox"/>	2.9 Seafront <input checked="" type="checkbox"/>

3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

KINDLY REFER TO APPENDIX D5 (ALTERNATIVE 3 IN THIS REPORT REFERS TO ALTERNATIVE 3 IN SPECIALIST REPORTS)

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

	Alternative S1:		Alternative S2 (if any):		Alternative S3 (if any):	
Shallow water table (less than 1.5m deep)	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>
Dolomite, sinkhole or doline areas	YES	NO <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/>	NO	YES	NO <input checked="" type="checkbox"/>
Seasonally wet soils (often close to water bodies)	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>
Unstable rocky slopes or steep slopes with loose soil	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>
Dispersive soils (soils that dissolve in water)	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>
Soils with high clay content (clay fraction more than 40%)	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>	YES	NO <input checked="" type="checkbox"/>

BASIC ASSESSMENT REPORT

Any other unstable soil or geological feature
 An area sensitive to erosion

YES	NO
YES	NO

YES	NO
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.

4. GROUNDCOVER

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

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.

5. SURFACE WATER

Indicate the surface water present on and or adjacent to the site and alternative sites?

Perennial River	YES	NO ✓	UNSURE
Non-Perennial River	YES	NO ✓	UNSURE
Permanent Wetland	YES	NO ✓	UNSURE
Seasonal Wetland	YES	NO ✓	UNSURE
Artificial Wetland	YES	NO ✓	UNSURE
Estuarine / Lagoonal wetland	YES	NO ✓	UNSURE

If any of the boxes marked YES or UNSURE is ticked, please provide a description of the relevant watercourse.

BASIC ASSESSMENT REPORT

6. LAND USE CHARACTER OF SURROUNDING AREA

Indicate land uses and/or prominent features that currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

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

If any of the boxes marked with an "N" are ticked, how will this impact / be impacted upon by the proposed activity?

The close proximity of the proposed activity to the Potchefstroom airfield is being mentioned in the relevant comparative engineering services report (Appendix D1) as a benefit when patients are to be flown in.

If any of the boxes marked with an "An" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

If any of the boxes marked with an "H" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

Does the proposed site (including any alternative sites) fall within any of the following:

Critical Biodiversity Area (as per provincial conservation plan)	YES	NO
Core area of a protected area?	YES	NO
Buffer area of a protected area?	YES	NO
Planned expansion area of an existing protected area?	YES	NO
Existing offset area associated with a previous Environmental Authorisation?	YES	NO
Buffer area of the SKA?	YES	NO ✓

If the answer to any of these questions was YES, a map indicating the affected area must be included in Appendix A.

7. CULTURAL/HISTORICAL FEATURES

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 paleontological sites, on or close (within 20m) to the site? If YES, explain:

YES	NO ✓
Uncertain	

If uncertain, conduct a specialist investigation by a recognised specialist in the field (archaeology or palaeontology) 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?
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

YES	NO ✓
YES	NO ✓

If YES, please provide proof that this permit application has been submitted to SAHRA or the relevant provincial authority.

8. SOCIO-ECONOMIC CHARACTER

a) Local Municipality

Please provide details on the socio-economic character of the local municipality in which the proposed site(s) are situated.

Level of unemployment:

An unemployment rate of 21.6% is being suggested for this municipality by “The Local Government Handbook” (www.localgovernment.co.za).

Economic profile of local municipality:

Main Economic Sectors: Business, agriculture, manufacturing, services (“The Local Government Handbook: www.localgovernment.co.za).

Level of education:

Education (aged 20 +)
No Schooling: 6.90%
Higher Education: 14.20%
Matric: 30.30%
 (“The Local Government Handbook: www.localgovernment.co.za).

b) Socio-economic value of the activity

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

R 103 276 654

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

R -

BASIC ASSESSMENT REPORT

Will the activity contribute to service infrastructure?	YES <input checked="" type="checkbox"/>	NO
Is the activity a public amenity?	YES	NO <input checked="" type="checkbox"/>
How many new employment opportunities will be created in the development and construction phase of the activity/ies?	Uncertain	
What is the expected value of the employment opportunities during the development and construction phase?	Uncertain	
What percentage of this will accrue to previously disadvantaged individuals?	Uncertain	
How many permanent new employment opportunities will be created during the operational phase of the activity?	Uncertain	
What is the expected current value of the employment opportunities during the first 10 years?	Uncertain	
What percentage of this will accrue to previously disadvantaged individuals?	Uncertain	

9. BIODIVERSITY

Please note: The Department may request specialist input/studies depending on the nature of the biodiversity occurring on the site and potential impact(s) of the proposed activity/ies. To assist with the identification of the biodiversity occurring on site and the ecosystem status consult <http://bgis.sanbi.org> or BGIShelp@sanbi.org. Information is also available on compact disc (cd) from the Biodiversity-GIS Unit, Ph (021) 799 8698. This information may be updated from time to time and it is the applicant/EAP's responsibility to ensure that the latest version is used. A map of the relevant biodiversity information (including an indication of the habitat conditions as per (b) below) and must be provided as an overlay map to the property/site plan as Appendix D to this report.

- a) **Indicate the applicable biodiversity planning categories of all areas on site and indicate the reason(s) provided in the biodiversity plan for the selection of the specific area as part of the specific category)**

Systematic Biodiversity Planning Category				If CBA or ESA, indicate the reason(s) for its selection in biodiversity plan
Critical Biodiversity Area (CBA)	Ecological Support Area (ESA)	Other Natural Area (ONA)	No Natural Area Remaining (NNR) <input checked="" type="checkbox"/>	

- b) **Indicate and describe the habitat condition on site**

Habitat Condition	Percentage of habitat condition class (adding up to 100%)	Description and additional Comments and Observations (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc).
Natural	%	
Near Natural (includes areas with low to moderate level of alien invasive plants)	100%	
Degraded (includes areas	%	

BASIC ASSESSMENT REPORT

heavily invaded by alien plants)		
Transformed (includes cultivation, dams, urban, plantation, roads, etc)	%	

c) Complete the table to indicate:

- (i) the type of vegetation, including its ecosystem status, present on the site; and
- (ii) whether an aquatic ecosystem is present on site.

Terrestrial Ecosystems		Aquatic Ecosystems								
Ecosystem threat status as per the National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	Critical	Wetland (including rivers, depressions, channelled and unchanneled wetlands, flats, seeps pans, and artificial wetlands)			Estuary		Coastline			
	Endangered									
	Vulnerable									
	Least Threatened									
		YES	NO	UNSURE	YES	NO	YES	NO		

- d) Please provide a description of the vegetation type and/or aquatic ecosystem present on site, including any important biodiversity features/information identified on site (e.g. threatened species and special habitats)**

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SECTION C: PUBLIC PARTICIPATION

1. ADVERTISEMENT AND NOTICE

Publication name	North West Provincial Gazette	
Date published	22 April 2014	
Site notice position	Latitude	Longitude
	26°40'37.77"	27°04'30.44"
Date placed	11 April 2014	

Include proof of the placement of the relevant advertisements and notices in Appendix E1.

2. DETERMINATION OF APPROPRIATE MEASURES

Provide details of the measures taken to include all potential I&APs as required by Regulation 54(2)(e) and 54(7) of GN R.543.

Key stakeholders (other than organs of state) identified in terms of Regulation 54(2)(b) of GN R.543:

Title, Name and Surname	Affiliation/ key stakeholder status	Contact details (tel number or e-mail address)
SAHRA	Non-Governmental Stakeholder	(021) 4624502

Include proof that the key stakeholder received written notification of the proposed activities as Appendix E2. This proof may include any of the following:

- e-mail delivery reports;
- registered mail receipts;
- courier waybills;
- signed acknowledgements of receipt; and/or
- or any other proof as agreed upon by the competent authority.

3. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

Summary of main issues raised by I&APs	Summary of response from EAP
No response was received following the prescribed public participation process and no issues were raised or recorded.	In the absence of any issues raised, no response was provided.

4. COMMENTS AND RESPONSE REPORT

The practitioner must record all comments received from I&APs and respond to each comment before the Draft BAR 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 the Final BAR as Appendix E3.

Due to the absence of any comments, a comments and response report was not compiled.

5. AUTHORITY PARTICIPATION

Authorities and organs of state identified as key stakeholders:

Authority/Organ of State	Contact person (Title, Name and Surname)	Tel No	Fax No	e-mail	Postal address
Tlokwe Municipality	The Municipal Manager & Ward Councillor, Mr S Tyatya	(018) 2995001	(018) 299 5130	-	P O Box 113 , Potchefstroom
Department of Water Affairs	The Office Manager: Potchefstroom, Mr L Caldwell	(018) 2973867	(018) 2948233	-	Private Bag X936, Potchefstroom, 2520
North West DEDECT	Environmental Officer: Mr S Mabula	(018) 2996710	(018) 2946008	mmabula@nwpg.co.za	P/Bag X804 Potchefstroom 2520

Include proof that the Authorities and Organs of State received written notification of the proposed activities as appendix E4.

In the case of renewable energy projects, Eskom and the SKA Project Office must be included in the list of Organs of State.

6. CONSULTATION WITH OTHER STAKEHOLDERS

Note that, for any activities (linear or other) where deviation from the public participation requirements may be appropriate, the person conducting the public participation process may deviate from the requirements of that sub-regulation to the extent and in the manner as may be agreed to by the competent authority.

Proof of any such agreement must be provided, where applicable. Application for any deviation from the regulations relating to the public participation process must be submitted prior to the commencement of the public participation process.

A list of registered I&APs must be included as appendix E5.

Copies of any correspondence and minutes of any meetings held must be included in Appendix E6.

BASIC ASSESSMENT REPORT

Activity	Impact summary	Significance	Proposed mitigation
	gradients 8. Geological suitability	Low negative	Refer to Appendix D6.
	Cumulative impacts: 1. Increased traffic	Low negative	Refer to Traffic Impact Assessment Appendix D8.
Alternative 2: VACANT SITE ON THE NORTH WESTERN CORNER OF ROAD R53 TO VENTERSDORP AND ELEAZER ROAD, POTCHEFSTROOM MILITARY BASE			
The establishment of a new military health care centre on portions of the Remainder and Portion 431 of the farm Town and Townlands of Potchefstroom 435 IQ,	Direct impacts: 1. Planning 2. Land use zoning 3. Surrounding land use 4. Need & desirability 5. Social disruption 6. Safety risks 7. Services availability 8. Dust generation 9. Archaeology	Medium positive Low negative Low negative Low negative Low negative Low negative Medium negative Low negative Medium negative	None required. None suggested. None suggested. None required. <ul style="list-style-type: none"> Maximise local labour to allow employees to be closer to their homes and families, thereby limiting the need to accommodate employees on site. Wherever people from other areas are employed and accommodated on site, strict access control measures will be implemented with only authorised personnel allowed at the camping site. Chemical toilets will be placed on site for the duration of the construction period. Apply strict safety measures around trenches and excavations. Implement regulated traffic safety procedures. Minimise extent of roadside disruptions on adjoining roads where possible. No municipal confirmation of services availability. No mitigation suggested. Dust control measures such as the watering of work areas, must be implemented to reduce dust arising from construction activities. No HIA conducted. No mitigation suggested.

BASIC ASSESSMENT REPORT

Activity	Impact summary	Significance	Proposed mitigation
	10. Biological impact	Medium negative	Kindly refer to relevant EMPr Appendix G.
	Indirect impacts: 1. Employment generation 2. Patronage of local businesses 3. Increased health facilities 4. Increased noise levels	Medium positive Medium positive Medium positive Medium negative	None required. None required. None required. <ul style="list-style-type: none"> • The applicant must inform adjacent occupants of any unusually noisy activities that will be undertaken during the construction phase. • Contractors shall comply with local by-laws with regard to working hours and should also restrict construction hours to: <ul style="list-style-type: none"> • 6h30 – 18h30 on weekdays; • 7h00 – 17h00 on Saturdays; • No operations on Sundays and public holidays. • Noise generating methods such as mechanical excavations and piling will be limited to a minimum during the construction phase; • Construction vehicles must be kept in a good state of repair.
	5. Groundwater contamination	Medium negative	Water-borne sanitation system to be installed and regularly monitored.
	6. Visual impact	Medium negative	Architectural designs and guidelines to be compiled and complied with.
	7. Topography & gradients	Medium negative	None suggested.
	8. Geological suitability	Medium negative	Possibility of dolomite.
	Cumulative impacts: 1. Increased traffic	Medium negative	No Traffic Impact Assessment conducted.
Alternative 3: SPORTS FIELD, POTCHEFSTROOM MILITARY BASE			
The establishment of a new military health care centre on	Direct impacts: 1. Planning 2. Land use zoning	Medium positive Low negative	None required. None suggested.

BASIC ASSESSMENT REPORT

Activity	Impact summary	Significance	Proposed mitigation
portions of the Remainder of the farm Town and Townlands of Potchefstroom 435 IQ,	3. Surrounding land use 4. Need & desirability 5. Social disruption	Low negative Low negative Low negative	None suggested. None required. <ul style="list-style-type: none"> • Maximise local labour to allow employees to be closer to their homes and families, thereby limiting the need to accommodate employees on site. • Wherever people from other areas are employed and accommodated on site, strict access control measures will be implemented with only authorised personnel allowed at the camping site. • Chemical toilets will be placed on site for the duration of the construction period.
	6. Safety risks	Low negative	<ul style="list-style-type: none"> • Apply strict safety measures around trenches and excavations. • Implement regulated traffic safety procedures. • Minimise extent of roadside disruptions on adjoining roads where possible.
	7. Services availability	Medium negative	No municipal confirmation of services availability. No mitigation suggested.
	8. Dust generation	Low negative	Dust control measures such as the watering of work areas, must be implemented to reduce dust arising from construction activities.
	9. Archaeology	Medium negative	No HIA conducted. No mitigation suggested.
	10. Biological impact	Medium negative	Kindly refer to relevant EMPr Appendix G.
	Indirect impacts:		
	1. Employment generation	Medium positive	None required.
	2. Patronage of local businesses	Medium positive	None required.
	3. Increased health facilities	Medium positive	None required.
4. Increased noise levels	Medium negative	<ul style="list-style-type: none"> • The applicant must inform adjacent occupants of any 	

BASIC ASSESSMENT REPORT

Activity	Impact summary	Significance	Proposed mitigation
	5. Groundwater contamination 6. Visual impact 7. Topography & gradients 8. Geological suitability Cumulative impacts: 1. Increased traffic	 Medium negative Medium negative Low negative Low negative Medium negative	unusually noisy activities that will be undertaken during the construction phase. • Contractors shall comply with local by-laws with regard to working hours and should also restrict construction hours to: • 6h30 – 18h30 on weekdays; • 7h00 – 17h00 on Saturdays; • No operations on Sundays and public holidays. • Noise generating methods such as mechanical excavations and piling will be limited to a minimum during the construction phase; • Construction vehicles must be kept in a good state of repair. Water-borne sanitation system to be installed and regularly monitored. Architectural designs and guidelines to be compiled and complied with. None suggested. None suggested.. No Traffic Impact Assessment conducted.
No-go option			
	Direct impacts: 1. Planning 2. Land use zoning 3. Surrounding land use 4. Need & desirability 5. Social disruption 6. Safety risks 7. Services availability 8. Dust generation 9. Archaeology 10. Biological impact Indirect impacts: 1. Employment generation 2. Patronage of local businesses	Status quo Status quo Status quo High negative Not relevant Not relevant Not relevant Not relevant Status quo Status quo Medium negative Status quo	Not applicable. Not applicable. Not applicable. Identified but not addressed. Lost employment opportunities. Lost economic growth opportunities.

BASIC ASSESSMENT REPORT

Activity	Impact summary	Significance	Proposed mitigation
	3. Increased health facilities 4. Increased noise levels 5. Groundwater contamination 6. Visual impact 7. Topography & gradients 8. Geological suitability	Status quo Not relevant Not relevant Not relevant Not relevant Not relevant	Persisting health challenges and risks at existing facility.
	Cumulative impacts: 1. Increased traffic	Not relevant in as far as the proposed activity is concerned.	

A complete impact assessment in terms of Regulation 22(2)(i) of GN R.543 must be included as Appendix F.

2. ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, please provide an environmental impact statement that summarises 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 1 (preferred alternative): Vacant site between Auster, Afmars & Tigermoth, Streets, Potchefstroom Military base.

A complete impact assessment in terms of Regulation 22(2)(i) of GN R.543 has been included as Appendix F. This assessment provides a comprehensive overview of 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.

It is not the intention with this environmental impact statement to repeat these findings but rather to provide a qualitative summary that accentuates the differences in impact as well as the respective implications with regard to environmental sustainability and accountability.

With regard to socio-economic aspects the proposal coupled with this alternative shows low overall negative significance. It represents a joint initiative between the military and the Department of Public Works to upgrade medical facilities at the Potchefstroom Military Base. Not only does it represent an initiative to address an articulate need, but also promises to provide certain socio-economic benefits as well. It is also worth mentioning that this land is vacant and that the proposed activity will not impact on other users or uses.

With regard to planning aspects this alternative reflects low overall significance. It conforms to land use and land zoning initiatives as is more fully discussed in the relevant comparative assessment of alternatives (Appendix J1).

With regard to its physical aspects it has been established that its topography is suitable (Appendix D4), it is not situated on dolomite or any other geological anomaly (Appendices D6 & J4) and it has already been biologically transformed due to previous residential activities. It therefore reflected low significance as far as its physical attributes are concerned.

From an infrastructural point of view it is important to note that written Municipal confirmation with regard to availability of services has already been obtained (Appendix J3). A water-borne municipal sewer connection is also being envisaged that will not interfere with the underground water regime (Appendix D2). A low significance is thus also being suggested in the relevant assessment for these aspects.

A Phase 1 Heritage Impact Assessment was conducted for this site alternative (Appendix D7). It is advised in the report that development may proceed without any further investigation. Low negative impact significance can thus be allocated.

Increased traffic has been identified in the impact assessment as a potential cumulative impact that may be exacerbated by other developments that will make use of the same road network over time. Although it is not possible to determine the potential significance of this impact, it may in principle be limited by the close proximity of this site to the Potchefstroom-Ventersdorp Provincial road. A Traffic Impact Assessment (Appendix D8) has also been conducted that provides certain mitigating measures to this extent. Low negative impact significance can thus be allocated.

Based on the findings of the basic assessment process in broad and the assessment of potential impacts in particular, 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, seasonal presence and other related aspects. This should in particular be applicable to this proposed Alternative 1 that should be advocated as preferred alternative for reasons mentioned in the report in general and in this statement in particular.

Alternative 2: Vacant site on the north western corner of Road R53 to Ventersdorp and Eleazer Road

A complete impact assessment in terms of Regulation 22(2)(i) of GN R.543 has been included as Appendix F. This assessment provides a comprehensive overview of 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.

It is not the intention with this environmental impact statement to repeat these findings but rather to provide a qualitative summary that accentuates the differences in impact as well as the respective implications with regard to environmental sustainability and accountability.

With regard to socio-economic aspects the proposal coupled with this alternative shows low overall negative significance. It represents a joint initiative between the military and the Department of Public Works to upgrade medical facilities at the Potchefstroom Military Base. Not only does it represent an initiative to address an articulate need, but also promises to provide certain socio-economic benefits as well. It is also worth mentioning that this land is vacant and that the proposed activity will not impact on other users or uses.

With regard to planning aspects this alternative reflects medium overall significance. Although it conforms to land use initiatives it does not conform to the residential land use that is being envisaged for this area in the relevant Spatial Development Framework. This aspect is also being referred to in the relevant comparative assessment of alternatives (Appendix J1).

With regard to its physical aspects it has been established that its topography is more uneven than any of the other site alternatives (Appendix D4). The presence of dolomite can also not be totally ruled out (Appendices D5). In addition, the site is still biologically well preserved and pristine. It therefore achieved medium negative significance as far as its physical attributes are concerned.

From an infrastructural point of view it is important to note that written Municipal confirmation with regard to availability of services is not available with regard to this site alternative. Medium negative significance is thus also being suggested in the relevant assessment for these aspects.

No Phase 1 Heritage Impact Assessment was conducted for this site alternative and based on its generally undisturbed condition the presence of archaeological or heritage artefacts cannot be ruled out. From a cultural point of view medium negative significance can thus be allocated.

Increased traffic has been identified in the impact assessment as a potential cumulative impact that may be exacerbated by other developments that will make use of the same road network over time. Although it is not possible to determine the potential significance of this impact, it may in principle be limited by the close proximity of this site to the Potchefstroom-Ventersdorp Provincial road. A low negative significance can thus be allocated.

Based on the findings of the basic assessment process in broad and the assessment of potential impacts in particular, 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, seasonal presence and other related aspects.

However, this site particular site alternative should not be advocated as preferred alternative for reasons mentioned in the report in general and in this statement in particular.

Alternative C: Sports field, Potchefstroom Military Base

A complete impact assessment in terms of Regulation 22(2)(i) of GN R.543 has been included as Appendix F. This assessment provides a comprehensive overview of 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.

It is not the intention with this environmental impact statement to repeat these findings but rather to provide a qualitative summary that accentuates the differences in impact as well as the respective implications with regard to environmental sustainability and accountability.

With regard to socio-economic aspects the proposal coupled with this alternative shows medium overall negative significance. It represents a joint initiative between the military and the Department of Public Works to upgrade medical facilities at the Potchefstroom Military Base. Not only does it represent an initiative to address an articulate need, but also promises to provide certain socio-economic benefits as well. However, it needs to be mentioned that this land is currently being used as sports fields. If the activity is to be established on this land it will impact negatively on other users or

uses.

With regard to planning aspects this alternative reflects low overall significance. It conforms to land use and land zoning initiatives as is more fully discussed in the relevant comparative assessment of alternatives (Appendix J1).

With regard to its physical aspects it has been established that its topography is suitable (Appendix D4), it is not situated on dolomite or any other geological anomaly (Appendix D5) and it has already been biologically transformed due to recreational activities. It therefore reflected low significance as far as its physical attributes are concerned.

From an infrastructural point of view it is important to note that written Municipal confirmation with regard to availability of services is not available with regard to this site alternative. Medium negative significance is thus also being suggested in the relevant assessment for these aspects.

No Phase 1 Heritage Impact Assessment was conducted for this site alternative. However, due to its totally transformed condition the presence of archaeological or heritage artefacts is unlikely. From a cultural point of view low negative significance has thus be allocated.

Increased traffic has been identified in the impact assessment as a potential cumulative impact that may be exacerbated by other developments that will make use of the same road network over time. Although it is not possible to determine the potential significance of this impact, it may exacerbated by its relative distance from the Potchefstroom-Ventersdorp Provincial road. A medium negative significance has thus be allocated.

Based on the findings of the basic assessment process in broad and the assessment of potential impacts in particular, 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, seasonal presence and other related aspects.

However, this particular site alternative should not be advocated as preferred alternative for reasons mentioned in the report in general and in this statement in particular.

No-go alternative (compulsory)

If the development does not continue it will lead to a loss of potential employment opportunities, the strengthening of the local commercial sector as well as the upgrading of health infrastructure. An opportunity to develop in accordance with the spatial planning framework for the area in question will also be lost. An opportunity to contribute to one of the 17 Strategic Integrated Projects (SIPS 12) will also be lost.

Since no medium to high negative impacts have been identified if the activity is coupled with the preferred site alternative, the preservation of the status quo through this alternative will not contribute towards the avoidance of any potentially adverse environmental impact.

In view of the above the pursuit of this alternative will not lead to any particular environmental benefit and should therefore not be advocated as preferred alternative.

BASIC ASSESSMENT REPORT

SECTION E. RECOMMENDATION OF PRACTITIONER

Is the information contained in this report and the documentation attached hereto sufficient to make a decision in respect of the activity applied for (in the view of the environmental assessment practitioner)?

YES	NO
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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).

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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.

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Is an EMPr attached?

YES	NO
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The EMPr must be attached as Appendix G.

The details of the EAP who compiled the BAR and the expertise of the EAP to perform the Basic Assessment process must be included as Appendix H.

If any specialist reports were used during the compilation of this BAR, please attach the declaration of interest for each specialist in Appendix I.

Any other information relevant to this application and not previously included must be attached in Appendix J.

Carel Petrus Linde

NAME OF EAP



SIGNATURE OF EAP

9 July 2014

DATE

SECTION F: APPENDIXES

The following appendixes must be attached:

Appendix A: Maps

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Specialist reports (including terms of reference)

- Appendix D1: Comparative Civil Services Report
- Appendix D2: Engineering Services Report (preferred site alternative)
- Appendix D3: Comparative Legal Information Report
- Appendix D4: Comparative Topographical Report
- Appendix D5: Comparative Geotechnical Report
- Appendix D6: Geotechnical Report (preferred site alternative)
- Appendix D7: Heritage Impact Assessment (preferred site alternative)
- Appendix D8: Traffic Impact Assessment (preferred site alternative)

Appendix E: Public Participation

- Appendix E1: Advertisement & site notice
- Appendix E2: Written notification of stakeholders
- Appendix E3: Comments & Responses Report
- Appendix E4: Written notification of governmental stakeholders
- Appendix E5: Registered I&AP's
- Appendix E6: Minutes of meetings

Appendix F: Impact Assessment

Appendix G: Environmental Management Programme (EMPr)

Appendix H: Details of EAP and expertise

Appendix I: Specialist's declaration of interest

Appendix J: Additional Information

- Appendix J1: Identification and comparative assessment of alternatives
- Appendix J2: Contract for the removal of medical waste
- Appendix J3: Confirmation of municipal services availability for preferred site alternative
- Appendix J4: Council for Geo-Science Comments
- Appendix J5: DEA Screening Letter