FINAL SCOPING REPORT FOR THE PROPOSED TOWNSHIP ESTABLISHMENT ON PORTIONS 24 AND 28 OF MOHLABA'S LOCATION 567 LT, IN TZANEEN, LIMPOPO PROVINCE

AUGUST 2022

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DOCUMENT CONTROL RECORD

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Report Title	Scoping report for the proposed township establishment on Portions 24 and
	28 of Mohlaba's Location 567 LT, in Tzaneen, Limpopo Province
Document ID	Final
Proponent /	Greater Tzaneen Local Municipality
Applicant	
Date	August 2022
DOCUMENT AP	PROVAL
EAP Name	Mankaleme M. Magoro
Signature	Allagon

EAP DECLARATION OF INDEPENDENCE

I, Mankaleme Martina Magoro, in my capacity as an Environmental Assessment Practitioner, hereby declare that I-

- Act as an independent environmental assessment practitioner
- Do not have any financial interest in the undertaking of the activity, other than remuneration for the work performed in terms of the National Environmental Management Act (No. 107 of 1998)
- As a registered member of the South African Council for Natural Scientific Professions (SACNASP) and the Environmental Assessment Practitioners Association of South Africa (EAPASA), will undertake work in accordance with the Code of Conduct of the Councils
- Based on information provided to us by the project proponent, and in addition to information obtained during this study, have presented the results and conclusion within the associated document to the best of our professional judgement.

Signature of EAP: .

Date Signed: 24 August 2022

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ABBREVIATIONS AND ACRONYMS

EIA	Environmental Impact Assessment
EIR	Environmental Impact Report
EAP	Environmental Assessment Practitioner
SR	Scoping Report
CSR	Consultation Scoping Report
FSR	Final Scoping Report
CBA	Critical Biodiversity Area
ECA	Ecological Support Area
PAES	Protected Areas Expansion Strategy
SWSA	Strategic Water Source Area
EA	Environmental Authorisation
RoD	Record of Decision
CA	Competent Authority
GTLM	Greater Tzaneen Local Municipality
MDM	Mopani District Municipality
S & EIR	Scoping and Environmental Impact Report
EMP	Environmental Management Plan
Ptn	Portion
Ha	Hectares
PoS	Plan of Study of EIA
GN	Government Notice
LN	Listing Notice
EAPASA	Environmental Assessment Practitioners Association of South Africa
SACNASP	South African Council for Natural Scientific Professions
NEMA	National Environmental Management Act
SAHRA	South African Heritage Resource Agency
IDP	Integrated Development Plan
EMP	Environmental Management Plan
EMPr	Environmental Management Plan Report
LDEDET	Limpopo Department of Economic Development, Environment and Tourism
NEMA	National Environmental Management Act
LEMA	Limpopo Environmental Management Act
NWA	National Water Act
NHRA	National Heritage Resources Act
NEMWA	National Environmental Management Waste Act

- CARA Conservation of Agricultural Resources Act
- I & APs Interested and Affected Parties
- PPP Public Participation Process

GLOSSARY OF TERMS

Environmental impact assessment: a systematic process of identifying, assessing and reporting environmental impacts associated with an activity

Cumulative impacts: in relation to an activity, means the past, current and reasonably foreseeable future impact of an activity, considered together with the impact of activities associated with that activity, that in itself may not be significant, but may become significant when added to the existing and reasonably foreseeable impacts eventuating from similar or diverse activities

Plan of study of environmental impact assessment: a study contemplated in regulation 22 which forms part of a scoping report and sets out how an environmental impact assessment will be conducted

Proponent / applicant: a person intending to submit an application for environmental authorisation and is referred to as an applicant once such application for environmental authorisation has been submitted

Significant impact: means an impact that may have a notable effect on one or more aspects of the environment or may result in noncompliance with accepted environmental quality standards, thresholds or targets and is determined through rating the positive and negative effects of an impact on the environment based on criteria such as duration, magnitude, intensity and probability of occurrence

Development: means the building, erection, construction or establishment of a facility, structure or infrastructure, including associated earthworks or borrow pits, that are necessary for the undertaking of a listed or specified activity, [including any associated post development monitoring,] but excludes any modification, alteration or expansion of such a facility, structure or infrastructure, including associated earthworks or borrow pits, and excluding the redevelopment of the same facility in the same location, with the same capacity and footprint.

Development footprint: means any evidence of physical alteration as a result of the undertaking of any activity.

Indigenous vegetation: refers to vegetation consisting of indigenous plant species occurring naturally in an area, regardless of the level of alien infestation and where the topsoil has not been lawfully disturbed during the preceding ten years.

National Protected Area Expansion Strategy: means South Africa's national strategy for expansion of the protected area network, led by the National Department responsible for environmental affairs and developed in collaboration with national and provincial conservation authorities. The NPAES sets targets for protected area expansion, provides maps of the most important areas for protected area expansion, and makes recommendations on mechanisms for protected area expansion. Focus areas for protected area expansion are identified in the NPAES. They are large, intact, unfragmented areas of high importance for landbased protected area expansion, suitable for the creation or expansion of large protected areas.

Earth Works: this involves construction machinery, dampening and general preparation of the site for construction purposes.

Mitigation Measures: all actions taken to eliminate, offset or reduce potentially adverse environmental impacts to acceptable levels (World Bank, 1999:1)

Interested & Affected Party: a person, group of people, an organisation (public or private), a business, or other party that has an interest or is affected in terms of their health, property rights, or economy by a proposed activity.

I. INTRODUCTION

Leago Environmental Solutions was appointed by Vaxumi Consulting Town Planners on behalf of the Greater Tzaneen Local Municipality as Independent Environmental Assessment Practitioners to undertake the environmental impact assessment i.e., scoping and environmental impact assessment process for the purpose of establishing a township. The proposed township will be situated on Portions 24 and 28 Mohlaba's Location 567 LT, in Tzaneen, Limpopo Province. The proposed development site measures 147.47 hectares in extent and is expected to yield 2248 stands / land uses.

I.I. Purpose of the Report

This Scoping Report has been prepared in accordance with the EIA Regulations published in Government Notice No. R 326 of 2017. These regulations fall under Section 24(5) read with Section 44 of the National Environmental Management Act (No. 107 of 1998) as amended. NEMA Section 24(5) stipulates that "listed activities" (i.e., those activities that have been recognised as having a detrimental impact on the environment) require environmental authorisation from the Competent Authority (Limpopo Department of Economic Development, Environment and Tourism). Government Notice No. R327, Listing Notice I and Notice No. R325, Listing Notice 2 (NEMA EIA Regulations, 2017) identifies the following listed activities associated with the proposed township establishment that requires environmental authorisation by means of a full EIA (Scoping and Environmental Impact Reporting).

Listing Notice 2: Activity 15

"The Clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for - (i) The undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan"

Applicability to the project: The clearance of an area of 147.47 hectares of indigenous vegetation.

Listing Notice I: Activity 24 (ii)

"The development of a road - (ii) a road with a reserve wider than 13.5 meters, or where no reserve exists where the road is wider than 8 metres"

Applicability to the project: The development of a road with a reserve of 14 and 20 meters.

Listing Notice 3: Activity 12

"The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan (e) Limpopo (ii) within critical biodiversity areas identified in bioregional plans.

Applicability to the project: According to the web-based environmental screening tool report, the proposed project area is located within a critical biodiversity area (CBA 1 & CBA2).

I.2. EIA Process

The EIA process is controlled through Regulations published under Government Notice No. R326 of 2017 along with the associated guidelines promulgated in terms of Chapter 5 of the National Environmental Management Act (No. 107 of 1998).

Three phases in the Environmental Impact Assessment process are typically recognised:

- Application Phase
- Scoping Phase
- Environmental Impact Reporting Phase

I.2.1. Application Phase

The Application Phase consists of completing the EIA application form by the Environmental Assessment Practitioner, the applicant and the subsequent submission and registration of the project with the Competent Authority: Limpopo Department of Economic Development, Environment and Tourism. An application is completed and will be submitted as well as the web based environmental screening report, to the Competent Authority.

(a) Details of the Competent Authority

Queries regarding this application will be directed to:

Limpopo Department of Economic, Development, Environment and Tourism

Environmental Impact Management 20 Hans van Rensburg Street 0700

Tel: 015 293 8655

I.2.2. Scoping Phase

The scoping phase aims to identify the key environmental issues associated with the project, in part through public consultation; consideration of project alternatives; and provide focus for the EIA phase. At the end of the scoping phase a report shall be compiled, known as a scoping report. As part of the EIA regulations, a consultation/ draft scoping report was compiled and circulated amongst the stakeholders, interested and affected parties to provide them with an opportunity to comment on the proposed activity / development.

(a) Consultation / Draft Scoping Report

The aim of this scoping report is to document the following:

- Details of the Environmental Assessment Practitioner undertaking the environmental impact assessment process
- Details of the project proposal
- Details of alternatives considered in formulating the project proposal
- Description of the legislation and guidelines applicable to the proposed activity
- A description of the receiving environment
- Documentation of the process and drafting of the public participation
- An identification of environmental issues and impacts associated with the project proposal and alternatives
- A description biophysical and environmental issues that require investigation
- A description of the methodology to be used in the assessment of impacts
- A plan of study for environmental impact assessment that will include a description of the public participation process.

The consultation scoping report was sent to stakeholders, interested and affected parties for observation and comments for a period of 30 days.

(b) Final Scoping Report

The consultation scoping report was submitted to the Competent Authority (LEDET), stakeholders and interested & affected parties for review and comments. All the comments received were collected and the report was amended as appropriate and finalised. This final scoping report will be submitted together with the plan of study for environmental impact assessment to the Competent Authority. Once this final scoping report and the plan of study for EIA have been accepted by the Competent Authority, the project will proceed into the EIA Phase.

I.2.3. EIA Phase

During the EIA phase, a consultation / draft environmental impact assessment report (EIAR), which takes into consideration all the identified key issues and associated impacts from the scoping phase, together with a draft environmental management plan and specialist studies which specifies the way proposed mitigation measures are to be implemented, will be produced by Leago Environmental Solutions. The consultation / draft EIAR will be made available to the stakeholders, I&APs for review and comments for a period of 30 days. Once the stakeholders and I&APs comments have been integrated into the EIAR it will be submitted to the Competent Authority for consideration and decision making.

2. DETAILS OF THE PROPOSED ACTIVITY

2.1. Location of the Proposed Activity

The proposed township will be situated on Portions 24 and 28 Mohlaba's Location 567 LT, in Tzaneen, Limpopo Province. The project area is located approximately 115 km from Polokwane. The site is located roughly at the following GPS coordinates: 23°52'45.62"S; 30°15'34.24" E. Figure 1 below depicts the locality of the project area.

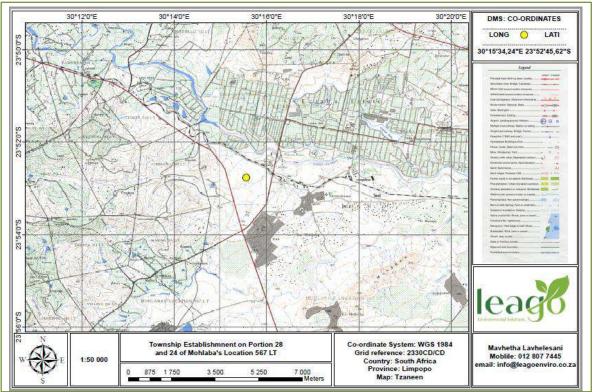


Figure 1: Locality map of the proposed development site

2.2. Description of the Proposed Activity

The proposed development / activity is a township establishment which will entail 2248 stands / land uses.

The proposed township establishment entails 2248 land uses for:

- 1584 Residential I
- 435 Residential 2
- II3 Residential 3
- 46 Business I
- 25 Business 2
- 4 Municipal
- I Industrial
- 35 Institutional

• 5 Public Open Spaces

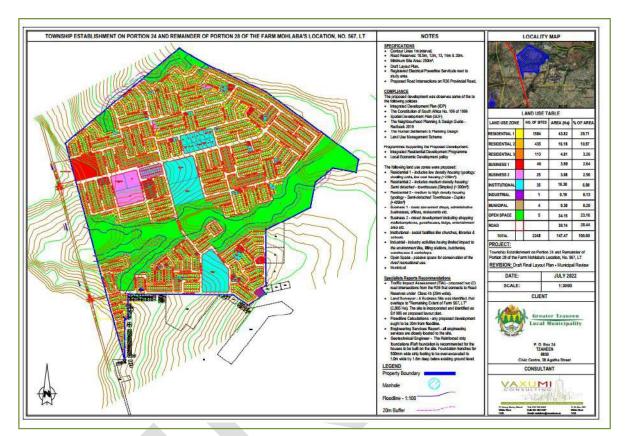


Figure 2 below indicates the layout plan of the proposed township establishment.

Figure 2: Township layout plan

2.3. Civil Services Envisaged for the Proposed Development

2.3.1. Roads

There is an existing functioning road network that can be used to access the proposed development site. The site can be accessed via road R36, internal streets, and road D673 to Letaba Hospital.

2.3.2. Water

The proposed development site does not have water reticulation, however there are existing bulk water lines currently servicing areas next to the proposed development site.

2.3.4. Solid Waste

A landfill situated nearest to the proposed development site must be used to dispose solid waste. The local municipality should also be responsible for collecting and disposing the solid waste. If the local municipality is not able to provide this service, a private company will need to be appointed by the applicant for the service.

2.3.5. Electricity

There is an existing electricity supply infrastructure in the vicinity of Mohlaba which could be utilised to supply the proposed development, subject to approval from the power authority (Eskom). An Electrical Services Report which addresses the specifications of electricity infrastructure network and connection points required to service the proposed township has been conducted and it will be submitted with the EIA report.

N.B: The confirmation of bulk infrastructure services letter has been requested from the Municipality and will be included in the environmental impact assessment report.

3. ALTERNATIVES

The EIA Regulations stipulate that a requirement of the environmental impact assessment process is to investigate feasible and reasonable alternatives to the project proposal.

The EIA Regulations define "Alternatives", in relation to a proposed activity, as "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

The concept of alternatives is aimed at ensuring that the best among all possible options in all aspects (environmental, economic, etc.) is selected. The option of not carrying out the proposed actions (nogo option) or developments is discussed to demonstrate environmental conditions without the project.

This means that for any project that is proposed, there should be a number of possible proposals or alternatives for accomplishing the same objectives or meeting the same need. Alternatives that would still meet the objective of the original proposal, but which would also have an acceptable impact on the environment (referring to physical, biological, aesthetic or visual) must be considered.

3.1. Feasible and Reasonable Alternatives Considered for the Proposed Activity

3.1.1. Site Alternatives:

Due to land availability, the proposed development site is the only site that has been identified for establishing a township. Site alternatives are not applicable for this project.

3.1.2. Activity Alternatives:

The current preferred activity is deemed to be the only feasible activity alternative as this activity will result in improved housing which can accommodate more people. No other activities were considered in this application due to the assessed need and feasibility of the proposed activity.

3.1.3. Design Alternatives:

The unique character and appeal of Mohlaba's Location were taken into consideration with the design philosophy. Various township layout plan alternatives will still be considered, also taking terrain and environmental constraints into account. The final layout plan will also be informed by the findings of the various specialist studies.

3.1.4. Operational Aspects

The operational aspects of the activity relate to the improved housing for the local community. No other alternatives were deemed feasible other than the proposed activity.

4. NO-GO ALTERNATIVES

This option would come into effect if this assessment reveals fatal flaws in the process. To date no fatal flaws have been revealed. The no-go alternative of not developing the proposed site would leave the environment in the current state.

5. LEGISLATION AND POLICY GUIDELINES CONSIDERED

Table I: The following table presents the most pertinent relevant legislation to the proposed development.

	АСТ	SUMMARY	RELEVANCE TO DEVELOPMENT
5.I	Constitution (Act 108 of 1996)	Everyone has the right to an unharmful environment	Ensure conservation principles are promoted,
		which must be protect for the benefit of future	that the proposed activity is ecologically
		generations. This is achieved through measures such as;	sustainable and will not result in pollution and
		preventing pollution and degradation, promoting	ecological degradation.
		conservation, promoting sustainable development and	
		sustainable use of natural resources.	
	Limpopo Environmental	The purpose of this act is to consolidate and amend	The proposed development should be in
	Management Act (No. 7 of 2003)	environmental management legislation assigned to the	accordance with the LEMA principles and
		Province; and to provide for matters incidental thereto.	where this is not possible, reasons for
			deviation must be strongly motivated.
5.2	National Environment	NEMA creates the legal framework that ensures that	The proposed development should be in
	Management Act (No. 107 of	environmental rights are guaranteed. The core principal	accordance with the NEMA principals, where
	1998)	relates to promoting sustainable development. The duty	this is not possible, reasons for deviation must
		of care concept extends to prevent, control and	be strongly motivated.
		rehabilitate pollution and degradation. Failure to perform	
		these duties may lead to criminal prosecution. NEMA also	
		introduces the EIA Regulations.	
5.3	National Water Act (No. 36 of	The purpose of this Act is to ensure that the nation's	Any water use must be investigated, specified,
	1998)	water resources are protected, managed and controlled	registered and licensed. Developers are
		in an environmentally sustainable way. Also, relevant to	responsible for taking measures to prevent
		the proposed activity is Section 19 of the Act which deals	pollution of water resources, undertaking
		with pollution prevention.	necessary clean up procedures and controlling
			waste.
5.4	National Environmental	Listed activities require Environmental Authorization in	The proposed development falls below
	Management: Waste	the form of a Basic Assessment or full Scoping and EIA.	thresholds.

	Management Act (No.95 of 2008)		
5.5	National Heritage Resources Act	The protection of archaeological and paleontological sites	Any artifacts uncovered during the
	(No. 25 of 1999)	and material is the responsibility of a provincial heritage	construction phase must be reported to
		resources authority and all archaeological objects are	SAHRA.
		property of the state.	
5.6	Conservation of Agricultural	CARA aims to conserve the natural agricultural resources	The developer / applicant will be responsible
	Resources Act (No. 43 of 1983)	by combating and preventing erosion, weeds and invader	for weed and invader control, storm water
		plants. No land user must affect the natural flow pattern	control must also be implemented.
		of run- off water.	

6. DESCRIPTION OF THE RECEIVING ENVIRONMENT

6.1 Physical Environment

6.1.1 Climate

The climate in Tzaneen is warm and temperate, most rainfall occurs mainly during mid-summer around January and the lowest in July. The average annual temperature is 19.7 °C.

6.1.2 Geology

According to the findings of the geotechnical investigation report, the proposed development site is located within the lithologies dominated by metamorphic charnockite rocks, which is anyorthopyroxene bearing quartz-feldspar rock formed at high temperature and pressure.

6.1.3 Hydrology

No ground water seepage was encountered in any of the test pits during the geotechnical investigations and there were no indications of temporary perched water tables in the soil profile.

6.1.4 Topography

The topography of the proposed development is generally flat. It is however slightly steep towards the west to the east and even gentle slopes on the north and eastern side.

6.2. Biological Environment

6.2.1. Terrestrial Biodiversity

The National web-based environmental screening tool map on terrestrial biodiversity is provided as Figure 3 below. The map indicates that the project area falls within a Critical Biodiversity Area 1 & 2, Ecological Support Area 2, Protected Areas Expansion Strategy and a Strategic Water Source Area.

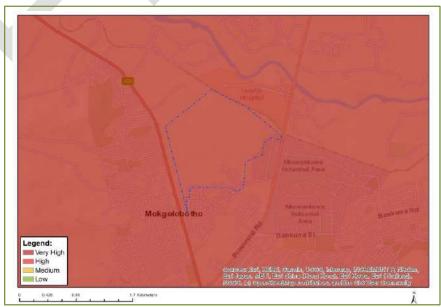


Figure 3: Terrestrial biodiversity theme sensitivity

6.2.2. Fauna

According to the findings of the web-based environmental screening tool report, the project area is located on an area of medium-high sensitivity relative animal species theme sensitivity.

6.2.3. Archaeological and Cultural Heritage

Based on the findings of the web-based environmental screening tool report, the proposed project area is located on an area of low archaeological and cultural heritage theme sensitivity. The proposed development site is however located on an area of medium paleontological sensitivity.

7. DESCRIPTION OF ENVIRONMENTAL ISSUES AND IMPACTS IDENTIFIED

7.1. Direct Habitat Destruction

The proposed development will result in significant loss of flora and fauna due to the clearance of vegetation.

Destruction or Loss of Floral Diversity or Vegetation Communities

- The physical clearance of vegetation
- Construction activities can impact on surrounding vegetation by dust and altered surface runoff patterns
- Disturbance of the area could lead to an increase in the growth of alien vegetation.

Loss of faunal diversity and decline in animal numbers

- Installation of services by heavy vehicles could cause fauna mortalities
- Habitat loss and construction activities will force animals out of the area and animal numbers will decrease.

Mitigation measures

- Damage to large indigenous trees should be kept to a minimum.
- Erosion must be prevented by the correct construction of roads that provide for storm water flow.
- Where there is a possible safety risk to fauna, precautions should be put in place to prevent this.
- Peripheral impacts around the township on the surrounding vegetation of the area should be avoided to ensure the impacts are kept at a minimum.
- Advice should be sought when using any sort of poisons or pesticides.
- Noise and visual impact should be kept minimal
- Construction activities must not exceed the footprint of buildings as outlined in the township layout plan.

7.2. Habitat Fragmentation

Natural movement patterns will be disrupted and could result in the fragmentation of natural populations.

Mitigation measures

- Use existing facilities where possible
- Ensure as little disturbance as possible during the construction phase.

7.3. Soil and Water Pollution

The development will always carry a risk of soil and water pollution, with large construction vehicles contributing substantially due to oil and fuel spillages. If not promptly dealt with, spillages or accumulation of waste matter can contaminate the soil and surface or ground water, leading to potential medium / long-term impacts on both the fauna and flora. During the construction phase, heavy machinery and vehicles as well as sewage and domestic waste from workers would be the main contributors to potential pollution problems.

Mitigation Measures

- Water falling on areas polluted with oil/ diesel or other hazardous substances must be contained.
- Any excess or waste material or chemicals should be removed from the site and discarded in an environmental friendly manner.
- All construction vehicles should be inspected for oil and fuel leaks regularly, and any vehicle showing signs of leaking should be serviced immediately.

7.4. Spread and Establishment of Alien Invasive Species

- Habitat disturbance provides an opportunity for alien invasive species to spread.
- Continued movement of personnel and vehicles, will result in a risk of importation of alien species.

Mitigation Measures

- Weeds and invader plants must be controlled.
- Alien invasive species should be eradicated.
- Rehabilitate disturbed areas as quickly as possible.
- Institute a monitoring programme.
- Institute an eradication / control programme for early intervention.

7.5. Negative Effect of Human Activities

- An increase in human activity is anticipated.
- The risk of snaring, killing and hunting of certain faunal species will be increased.
- For construction sites, pollution could increase because of litter and inadequate sanitation and the introduction of invasive fauna and flora are increased.
- The increase in the number of people will result in increased risk of uncontrolled fires arising from cooking fires and improperly disposed cigarettes etc.

Mitigation Measures

- Maintain proper firebreaks around entire development footprint.
- Construction activities must remain within defined construction areas and the road servitudes. No construction / disturbance should occur outside these areas.
- Construction activities should be restricted to working hours.
- Workers should be educated on the importance of conservation issues.
- Camp fires at construction sites must be strictly controlled to ensure that no veld fires are caused

7.6. Visual Environment and Noise

Visual environment will be in line with the developments in the surrounding area. During the construction and operational phases of the proposed development, noise and dust will be a factor. These impacts and mitigation measures will be addressed in detail in the Environmental Management Plan report (EMPr).

7.7. Surface Drainage

Adequate storm water drainage system and culverts must be designed to control the volume, speed, and location of runoff to avoid soil erosion and damage to structures.

7.8 Air Quality

During the construction phase of the development, especially when clearing the site, dust particles will be dispersed into the atmosphere which might have an impact to the air quality in the area. These impacts and mitigation measures will be addressed in the impact table hereunder as well as in the Environmental Management Plan report.

7.9. Noise Impact

During the construction phase of the development, there will be noise generated by the machinery and construction vehicles.

7.10. Visual

The clearance of the area will result in a change of the visual attributes of the site, however, the proposed development will not impact negatively on the visual / landscape attributes of the site as the proposed development will be located next to the boundaries of the existing villages / townships of Mokgolobotho and Nkowankowa.

7.11. Technical

Materials and methods of construction must all be based on the "Guidelines for Human Settlement planning and design" Redbook, as well as "SABS Standard specifications and Codes of Practice" as applicable.

A geotechnical site investigation was undertaken to identify potentially adverse geotechnical conditions at the site in order to facilitate and inform the planning phase of the proposed development.

8. ENVIRONMENTAL IMPACT STATEMENT

8.1. Summary of Key Findings

8.1.1. Biodiversity and Ecological Impact Assessment

The biodiversity/ ecological impact assessment will be undertaken to determine sensitive areas and impacts on red listed plant and faunal species on site.

8.1.2. Heritage Aspects

The heritage impact assessment will be conducted to assess the conditions or availability of heritage features such as remains from the Stone Age, Iron Age or Historical Period or places designated for spiritual or social gatherings, historical and/or modern graves on site. Any discovery of heritage remains on the terrain should be reported to the archaeologist and SAHRA and may require further mitigation measures.

8.1.3. Floodline

According to the findings of the Floodline Determination Report, the project area is affected by flood water within the 1:100 period from the stream / river. A floodline determination report was compiled and will form part of the specialist reports in the environmental impact assessment report.

9. NEED AND DESIRABILITY OF THE PROPOSED PROJECT

- The proposed development area is strategically located adjacent to the existing townships / villages settlement of Mokgolobotho, Nkowankowa and Dan.
- The proposed development will contribute towards improving the housing stock of the area and general livelihood of the residents.
- The establishment of the proposed township will prevent illegal settlement / land invasions

• Attract people through creation of a conducive environment for business, industrial and institutional developments.

The development's location is therefore desirable due to its location in terms of:

- There will be sites for business opportunities for residents.
- Furthermore, the development will eventually be integrated with the environment, have proper service provision and it will be well planned.
- It will create job opportunities (permanent and temporary), ensure social upliftment of the area, create investment opportunities and create a sustainable development environment.
- The proposed development will not have a significant detrimental impact on the surrounding areas and is not in conflict with the adjacent land uses.

10. PUBLIC PARTICIPATION PROCESS

As an important component of the EIA process, the public participation process involves public inputs from stakeholders, interested and affected parties. The public participation process would therefore ensure that the views of the stakeholders and I&APs would be reflected and considered by the applicant and the authorities.

10.1.Methodology

The public participation process was undertaken in terms of provisions of the EIA Regulations of 2017 of the National Environmental Management Act (No. 107 of 1998) as amended.

The key objectives of the public participation process are to:

- Identify a broad range of stakeholders and I&APs, inform them about the proposed project
- Provide sufficient background information regarding the proposed development to ensure informed participation
- Understand and clearly document all issues, underlying concerns and suggestions raised by the stakeholders and I&APs.

10.1.1. Newspaper Publication

The proposed development was advertised in the local newspaper namely, Giyani Review on the 13 of July 2022 to inform people about the project and request them to register their names and comment on the proposed development. Kindly refer to Appendix 5.5 for proof of newspaper publication.

10.1.2. On - Site Notices

Site notices were placed at various points on and around the proposed development site. Kindly refer to Appendix 5.6 for proof of on-site notices.

Notices regarding the background information / application of the proposed development were also hand delivered / sent to the landowners next to the proposed development site. Kindly refer to Appendix 5.3 for proof of notice delivery (register)

10.1.3. Consultation with Stakeholders

Consultations with stakeholders and other I&APs were done through telephones and emails. Kindly refer to Appendix 5.4 for proof of consultation scoping report circulation.

10.1.4. Issues and Responses

All the issues/ comments received from stakeholders and I&APs along with the responses from the EAP are documented in the comments and response report attached as Appendix 5.8.

II. ENVIRONMENTAL IMPACT DETERMINATION AND EVALUATION

An environmental impact is defined as a change in the environment, be it the physical / chemical, biological, cultural and or socio-economic environment. Any impact can be related to certain aspects of human activities in this environment and this impact can be either positive or negative. It could also affect the environment directly or indirectly and the effect of it can be cumulative.

11.1 Methodology to Assess the Impacts

To assess the impacts on the environment, the process has been divided into two main phases namely the Construction phase and the Operational phase. The activities present in these two phases have been studied to identify and predict all possible impacts.

In any process of identifying and recognising impacts, one must recognise that the determination of impact significance is inherently an anthropocentric concept. Duinker and Beanlands, (1986) in DEAT 2002, Thompson (1988), (1990) in DEAT 2002 stated that the significance of an impact is an expression of the cost or value of an impact to society.

However, the tendency is always towards a system of quantifying the significance of the impacts so that it is a true representation of the existing situation on site. This has been done by using wherever possible, legal and scientific standards which are applicable.

The significance of the aspects/impacts of the process have been rated by using a matrix derived from Plomp (2004) and adapted to some extent to fit this process. These matrixes use the consequence and the likelihood of the different aspects and associated impacts to determine the significance of the impacts.

The consequence matrix use parameters like severity, duration and extent of impact as well as compliance to standards. Values of I-5 are assigned to the parameters that are added and averaged to

determine the overall consequence. The same process is followed with the likelihood that consists of two parameters namely frequency and probability. The overall consequence and the overall likelihood are then multiplied to give values ranging from 1 to 25. These values as shown in the following table are then used to rank the significance.

Table 2: Significance ratings

Significance	Low	Low- Medium	Medium	Medium- High	High
Overall Consequence X Overall Likelihood	1-4.9	5-9.9	10-14.9	15-19.9	20-25

SEVERITY	
Low	Low cost/high potential to mitigate. Impacts easily reversible, non
	- harmful insignificant change/deterioration or disturbance to
	natural environments.
Low-medium	Low cost to mitigate small/ potentially harmful moderate
	change/deterioration or disturbance to natural environment.
Medium	Substantial cost to mitigate. Potential to mitigate and potential to
	reverse impact. Harmful Significant change/ deterioration or
	disturbance to natural environment.
Medium-high	High cost to mitigate. Possible to mitigate great/very harmful, very
	significant change/deterioration or disturbance to natural
	environment.
High	Prohibitive cost to mitigate. Little or no mechanism to mitigate.
	Irreversible. Extremely harmful Disastrous change/deterioration or
	disturbance to natural environment.
DURATION	
Low	Up to one month
Low-medium	One month to three months
Medium	Three months to one year
Medium-high	One to ten years
High	Beyond ten years
EXTENT	
Low	Project area
Low-medium	Surrounding area
Medium	Within Greater Tzaneen Local Municipality
Medium-high	Within Mopani District Municipality

High	Regional, National and International
FREQUENCY	
Low	Once a year or once during operation
Low-medium	Once in 6 months
Medium	Once a month
Medium-high	Once a week
High	Daily
PROBABILITY	
Low	Almost never/ almost impossible
Low-medium	Very seldom/ highly unlikely
Medium	Infrequent/ unlikely/ seldom
Medium-high	Often/ Regularly/ Likely/ Possible
High	Daily/ Highly likely/ definitely
The following criteria	
The following criteria a	are used during the rating of possible impacts.
Low	are used during the rating of possible impacts. Best practise
Low	Best practise
Low Low-medium	Best practise Compliance
Low Low-medium Medium	Best practise Compliance Non-compliance/conformance to Policies etc. – Internal
Low Low-medium Medium Medium-high	Best practise Compliance Non-compliance/conformance to Policies etc. – Internal Non-compliance/conformance to Legislation etc. – External

12. KEY ENVIRONMENTAL IMPACTS

Table 4: The following possible environmental impacts were identified

Environmental Impacts	Possible Cause	Potential Impacts	Proposed Mitigation Measures
Air Pollution and	d Noise		
Smoke	Vehicle emissionsFires	Health problemsAir pollution	Ensure that construction vehicles travelling on unpaved roads do not exceed a speed limit of 40 km/hour
Dust	 During construction Vehicle operation on roads Vegetation clearing 	Public nuisanceNoise pollution	 Rehabilitate disturbed areas as soon as construction activities are finished in that area Burning of waste should not be permitted, under any
Fumes	Fumes from vehiclesFumes from machinery		 conditions Provide personal protective equipment (PPE), such as dust
Noise	 Construction machinery and vehicles Presence of construction camp Operation noise (music and people) 		 mask and goggles. Areas that generate dust particles should be sprinkled with water, this reduces dust blow out from wind, construction vehicles and machinery Construction vehicles shall comply with speed limits and haul distances shall be minimised. Regularly maintain and service construction machinery and equipment, this will minimise production of hazardous gases It must be ensured that noise levels are kept to a minimum during the construction phase. All machinery and equipment

			 to be utilized on the site should be fitted with mufflers and must be maintained in good working order to minimise noise levels. It is recommended further that the contractor should encourage construction workers to minimise shouting and hooting on the site. Material loads must be suitably covered and secured during transportation. The contractor must warn all local community that could be affected by the noise generation from construction activities. Limit construction activities to day time hours. Construction workers should be educated on the importance of conservation issues All vehicles and equipment/ machinery must regularly be checked to ensure that they are in good working order to minimise pollution Emergency numbers must be displayed with the correct details of the nearest firefighting station at all times
Environmental Issues	Possible Cause	Potential Impacts	Proposed Mitigation Measures
Water Quality			

Pollution of water	• Spillage of fuel & oil from vehicles	Pollution of	• Dirty water originating from the construction site and camp
sources	• Spillage of building material e.g.	surface and	should be contained and disposed of correctly, preventing
	cement etc.	groundwater	contamination of soil and any watercourses in the area
	• Migration of contaminants off the	Health risk	• Maintenance of construction vehicles should be carried out
	site	• Lower water	in a well-designed and protected area and where oils /
	• Solid waste in storm water	quality	grease will be completely restrained from reaching the
	Littering	• Soil degradation	ground. Such areas should be covered to avoid storm from
Silt deposition in	• Erosion risk due to increased run-	Soil Erosion	carrying away oils into the soil or water systems.
surface water	off from built up area	Siltation	• Regularly check vehicles, machineries and equipment
	• Erosion from cleared areas during		operating on site to ensure that none have leaks or cause
	construction		spills of oil, diesel, grease or hydraulic fluid.
Pollution from	• Leakages of system and incorrect		• Emergency incident reporting and remedial measures must
sanitation system	management of sanitation system		be in place.
	• Inadequate measures to prevent		• Drip trays should be used during the servicing of vehicles.
	sewage spillages		The content thereof must be disposed in accordance with
	• Overflow of sewage to		relevant hazardous material disposal requirement.
	groundwater		• Measures to contain spills must be readily available on site
	c .		(Spill Kits).
			• A waste contractor must be appointed to oversee the entire
			waste management process during construction phase.
			• Storage areas must be bunded to protect groundwater
	Ť		quality



- A waste contractor must be appointed to oversee the entire waste management process during construction phase.
- Storage areas must be bunded to protect groundwater quality
- All solid waste generated during the construction process (including packets, plastic, rubble, cut plant material, waste metals etc.) must be placed in the waste collection area in the construction camp and must not be allowed to blow around the site
- All solid waste generated during the construction process (including packets, plastic, rubble, cut plant material, waste metals etc.) must be placed in the waste collection area in the construction camp and must not be allowed to blow around the site
- Planting of trees, aesthetic gardens and lawns by residents is recommended, as it will serve to minimise the amount of runoff
- Erosion protection measures must be implemented on the site to reduce erosion and sedimentation of the receiving environment. Measures could include: sediment traps, sandbags, bunding around soil stockpiles
- Material storage areas must not be within 50 m of any watercourse or within the 1:100-year flood line

Impact on amount of water • Over-utilisation of available water • Water scarcity • Encourage water reuse/recycling during construction phases. resources available • Possible Cause • Potential Impacts • Avoid wasting the water supplied to the site. Environmental Issues • Spillages of oil, chemicals from machinery & vehicles • Soil degradation • Soil degradation Soil • Spillages. • Sust of vegetation during clearing for construction • Erosion • Erosion due to increased runoff from built-up areas • Erosion of drainage channels • Erosion of drainage channels • Site clearing during construction • Erosion of drainage channels • Erosion due to increased runoff from built-up areas • Erosion of drainage channels • Site clearing during construction • Site clearing during construction • Erosion • Removal of vegetation should be restricted to areas identified on the project description / footprint	Environmental	Possible Cause	Potential Impacts	Proposed Mitigation Measures
Impact on amount of water • Over-utilisation of available water • Water scarcity • Encourage water reuse/recycling during construction phases. resources available • Possible Cause • Potential Impacts • Avoid wasting the water supplied to the site. Environmental Issues • Spillages of oil, chemicals from machinery & vehicles • Soil degradation • Soil degradation Soil • Spillages. • Sust of vegetation during clearing for construction • Erosion • Erosion due to increased runoff from built-up areas • Erosion of drainage channels • Erosion of drainage channels • Site clearing during construction • Erosion of drainage channels • Erosion due to increased runoff from built-up areas • Erosion of drainage channels • Site clearing during construction • Site clearing during construction • Erosion • Removal of vegetation should be restricted to areas identified on the project description / footprint	Issues			
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resources available pressure on water supply sources Potential Impacts Proposed Mitigation Measures Potential Impacts Proposed Mitigation Measures Proposed Mitigation Measures	Impact on amount	Over-utilisation of available water	Water scarcity	Encourage water reuse/recycling during construction
available water supply sources water supply sources Environmental Issues Possible Cause Potential Impacts Proposed Mitigation Measures Land/ Soil Degradation Spillages of oil, chemicals from machinery & vehicles Soil degradation • Regular maintenance of the construction vehicles need to be done to ensure that no spillage occurs when the toilets are cleaned or emptied and that the contents are removed from the site to an appropriate location / facility, preventing overflow of sewage to ground water. • Removal of vegetation during clearing for construction • Erosion Sewage spillages • Erosion due to increased runoff from built-up areas • Erosion of drainage channels • Removal of vegetation should be restricted to areas identified on the project description / footprint Environmental Issues Possible Cause Potential Impacts Proposed Mitigation Measures	of water		 Increased 	phases.
Environmental Issues Possible Cause Potential Impacts Proposed Mitigation Measures Land/ Soil Degradation Spillages of oil, chemicals from machinery & vehicles Removal of vegetation during clearing for construction Sewage spillages Erosion due to increased runoff from built-up areas Increased erosion of drainage channels Site clearing during construction Potential Impacts Proposed Mitigation Measures Environmental Issues Spillages Bet clearing during construction Site clearing during construction Site clearing during construction Site clearing during construction Site clearing during construction Potential Impacts Proposed Mitigation Measures Environmental Issues Possible Cause Potential Impacts Proposed Mitigation Measures 	resources		pressure on	 Avoid wasting the water supplied to the site.
Environmental IssuesPossible Cause Possible CausePotential ImpactsProposed Mitigation MeasuresIand/ Soil Degration• Spillages of oil, chemicals from machinery & vehicles• Soil degradation• Regular maintenance of the construction vehicles need to be done to ensure that no spillage occurs when the toilets are cleaned or emptied and that the contents are removed from the site to an appropriate location / facility, preventing overflow of sewage to ground water.Environmental IssuesPossible CausePotential Impacts• Regular maintenance of the construction vehicles need to be done to ensure that no spillage occurs when the toilets are cleaned or emptied and that the contents are removed from the site to an appropriate location / facility, preventing overflow of sewage to ground water.Increased erosion of drainage channels is Site clearing during constructionPotential ImpactsProposed Mitigation MeasuresEnvironmental IssuesPossible CausePotential ImpactsProposed Mitigation Measures	available		water supply	
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contamination and degradationmachinery & vehicles• Loss of topsoilbe done to ensure that no spillage occurs when the toilets are cleaned or emptied and that the contents are removed from the site to an appropriate location / facility, preventing overflow of sewage to ground water.• Erosion• Sewage spillages• Erosion• Erosion• Erosion due to increased runoff from built-up areas • Increased erosion of drainage channels • Site clearing during construction• Nemoval of vegetation should be restricted to areas identified on the project description / footprintEnvironmental IssuesPossible CausePotential ImpactsProposed Mitigation Measures		-	Soil dogradation	Popular maintenance of the construction vehicles need to
and degradation• Removal of vegetation during clearing for construction • Sewage spillages • Erosion due to increased runoff from built-up areas • Increased erosion of drainage channels • Site clearing during construction• Dust formation • Erosion • Erosion • Erosion • Erosion • Sewage spillages • Increased erosion of drainage channels • Site clearing during construction• Dust formation • Erosion • Erosion • Erosion • Erosion • Erosion • Increased erosion of drainage channels • Site clearing during construction• Dust formation • Erosion • Erosion • Erosion • Erosion • Erosion • Erosion • Erosion due to increased runoff from built-up areas • Site clearing during construction• Dust formation • Erosion • Erosion • Erosion • Erosion • Erosion • Erosion due to increased runoff from built-up areas • Site clearing during construction• Dust formation • Erosion • Erosion 				5
clearing for construction • Erosion • Sewage spillages • Erosion • Erosion due to increased runoff from built-up areas • Erosion • Increased erosion of drainage channels • Site clearing during construction • Site clearing during construction Potential Impacts Proposed Mitigation Measures	contamination	machinery & vehicles	 Loss of topsoil 	be done to ensure that no spillage occurs when the toilets
 Sewage spillages Erosion due to increased runoff from built-up areas Increased erosion of drainage channels Site clearing during construction Potential Impacts Proposed Mitigation Measures	and degradation	Removal of vegetation during	Dust formation	are cleaned or emptied and that the contents are removed
 Erosion due to increased runoff from built-up areas Increased erosion of drainage channels Site clearing during construction Possible Cause Potential Impacts Proposed Mitigation Measures 		clearing for construction	Erosion	from the site to an appropriate location / facility, preventing
from built-up areas identified on the project description / footprint Increased erosion of drainage identified on the project description / footprint Site clearing during construction Potential Impacts Environmental Possible Cause Issues Potential Impacts		Sewage spillages		overflow of sewage to ground water.
from built-up areas identified on the project description / footprint Increased erosion of drainage channels Site clearing during construction Potential Impacts Proposed Mitigation Measures		• Erosion due to increased runoff		 Removal of vegetation should be restricted to areas
 Increased erosion of drainage channels Site clearing during construction Possible Cause Potential Impacts Proposed Mitigation Measures 				identified on the project description / footprint
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• Site clearing during construction Potential Impacts Proposed Mitigation Measures Issues Potential Impacts Proposed Mitigation Measures		Increased erosion of drainage		
Environmental Possible Cause Potential Impacts Proposed Mitigation Measures Issues		channels		
Issues		Site clearing during construction		
Biodiversity	Environmental Issues	Possible Cause	Potential Impacts	Proposed Mitigation Measures
	Biodiversity			

Decline in fauna	Cleaning of site for construction	• Loss of	• The clearing of vegetation must be restricted to areas
and flora diversity	Pollution of soil	biodiversity	identified on the project footprint
	 Pollution of water resources Physical establishment of development Loss of habitat due to establishment of development 	 Loss of habitat. Negative impact on biodiversity Negative impact on rare /endangered/ endemic species 	 All vegetation on the site that is not developed must be conserved Indigenous trees must not be cut disturbed or removed without a permit from forestry as required by the National Forest Act
		and habitats	
Environmental Issues	Possible Cause	Potential Impacts	Proposed Mitigation Measures
issues			
Cultural / Herita	ge		
	ge Damage / loss during construction 	Possible loss of	SAHRA must immediately be alerted in case evident or
Cultural / Herita		• Possible loss of cultural heritage	 SAHRA must immediately be alerted in case evident or artefacts, paleontological fossils, additional graves or heritage resources are discovered during the course of development. Chance Find Protocol is recommended
Cultural / Herita Possible loss of	Damage / loss during construction		artefacts, paleontological fossils, additional graves or heritage resources are discovered during the course of development.
Cultural / Herita Possible loss of heritage sites	 Damage / loss during construction Damage / loss during operation 	cultural heritage	 artefacts, paleontological fossils, additional graves or heritage resources are discovered during the course of development. Chance Find Protocol is recommended

Visual impact	 The physical existence of the development Construction site and buildings Lights at night Presence of new development. Overhead power lines. 	 Obstruction Visual intrusion Public nuisance 	 Due to the development of residential development, there will be a new visual impact. The site is however just surrounded by existing townships and should not change the visual characteristics of the area dramatically. The implementation of a large residential development cannot be entirely mitigated, however, the use of harmonious architectural themes, colour co-ordination, finishes for roofs and walls with existing development in the neighbourhood etc., contributes to creating an aesthetically pleasing environment and the establishment of a new sense of place
Environmental	Possible Cause	Potential Impacts	Proposed Mitigation Measures
Issues Health and Safet			
Security	Influx of people to area including construction workers and others after completion	Loss of safe and secure environment	 Demarcation of the construction site to prevent public access (during the construction phase). A limited number of workers along with security guards will
Fires	 Accidental fires Burning of waste Cooking with fires 	Threat to healthDanger to human life	 be allowed to sleep on site, however within a cordoned-off secure area All staff must carry identification, access control must also be enforced.
Environmental Issues	Possible Cause	Potential Impacts	Proposed Mitigation Measures

Socio-Economic	mpacts
Impact from	Change of land use to residential, Impact negatively The change in land use will provide housing for the
change of land use	business, institutional, educational, on agricultural surrounding communities and also provide employment
from agriculture	industrial and public open spaces production opportunities
to township	Land will no
	longer be used for
	agriculture
Employment	The establishment of a township Employment Employment Enhance the use of local labour and local skills as far as
creation and skills	opportunities reasonably possible.
development	Permanent jobs Where the required skills do not occur locally, and where
opportunities	during operation appropriate and applicable, ensure that relevant local
during the	New housing individuals are trained.
construction and	Ensure that goods and services are sourced from the local
operation phase,	and regional economy as far as reasonably possible.
which is expected	
to give rise to new	
jobs.	
This impact is	
rated as	
positive.	

Impact of the residential and other development on adjacent landowners	 Noise from construction activities Dust generated by construction vehicles and from site preparation The visual impact of lights. The visual impact of residential and other units (business, institutional etc.) 	 Nuisance and disruption Noise pollution Air pollution Negative visual impact 	 Construction activities must be between normal working hours 8:00 to 17:00 week days with no construction activities taking place during weekends. Dust suppressants must be used to reduce the amount of dust produced which also contributes to the reduction of air pollution The location of stockpiles shall take into consideration the prevailing wind directions and locations of sensitive
Impacts related to	Location of construction camp	Adverse impact	 No domestic waste water (grey water) should be allowed
the establishment	Environmental impacts of	 Adverse impact on the 	to be discharged from the construction camp
of a construction	construction activities e.g. spillage	environment	 Demarcation of the construction site to prevent public
camp with	of hazardous liquids such as oil and	Resentment from	access
accommodation	fuel onto the soil surface	neighbouring	 Only construction workers along with security guards will
	Accommodation of construction	residents	be allowed to sleep on site
	teams on site		
	Littering, accidental fires, collecting		
	of firewood and poaching		
	• Undesirable visitors to the area		
Impact from the	The development, construction and	Pollution from	• Any amendments, upgrading or changes to the infrastructure
provision of	provision of infrastructure services	sanitation systems	must be approved by the relevant Councils
	•	Pollution of water resources	• The installation of services should be tightly monitored and controlled by the relevant authorities

structures and	Infrastructure must be designed according to the minimum
infrastructure	requirements of the relevant councils and must therefore be
services	submitted to the Local authority for approval

These key areas of impacts were/ will further be explored and described below to detail the impacts, the impact ratings and mitigation measures. The following specialist investigations were/ will be conducted and used in assessing the environmental impacts of the different activities that form part of the development.

- Geotechnical Investigation
- Engineering Services Report (roads, water, and solid waste)
- Floodline Determination Report
- Electrical Services Report
- Traffic Impact Assessment Report
- Heritage Assessment Report
- Ecological Impact Assessment Report
- Storm Water Management Plan

13. COMPARATIVE ASSESSMENT OF THE IMPLICATIONS OF PROPOSED ACTIVITY AND IDENTIFIED ALTERNATIVES:

13.1. Advantages of the proposed activity and alternatives

- The proposed development will eliminate the scarcity of accommodation by provide housing and related services for the local community
- Temporary and permanent employment opportunities for the locals will be created
- The implementation of this activity will contribute greatly on the socio-economic transformation and growth of the region
- The establishment of this township will help prevent land invasions

13.2. Disadvantages of the proposed activity and alternatives

- Domestic animal grazing land will be converted to residential area
- Water use, waste, sanitation and other impacts will be impacted should they not be managed correctly. This can lead to extra environmental degradation
- The cumulative impacts that the development will have in terms of pollution and other impacts can lead to extra environmental degradation, especially if not managed correctly.

14. CONCLUSION

The purpose of the final scoping report is to address all the comments and issues received from the competent authority, stakeholder, interested and affected parties. This also serves as a basis to provide the competent authority with preliminary information regarding the potential impacts and scope of the development. It must be noted that this document is submitted as the final scoping report. This report is part of an application that was lodged in terms of Section 24(5) of the National Environment Management Act (No. 107 of 1998), in respect of the identified triggered listed activities. The Competent Authority is therefore respectfully requested to evaluate and consider this Final Scoping Report.

FINAL SCOPING REPORT FOR THE PROPOSED TOWNSHIP TO BE SITUATED ON PORTIONS 24 AND 28 OF MOHLABA'S LOCATION 567 LT, TZANEEN, LIMPOPO PROVINCE

REPORT PREPARED BY:

Leago Environmental Solutions Unit 79, Block 5, Lombardy Business Park 66 Graham Road Pretoria 0084

Cell: +27 (0) 81 428 6116 Tel: 012 807 7445 Email: <u>info@leagoenviro.co.za</u>

AUTHOR / EAP: Mankaleme M. Magoro

AP Signature:

Township establishment on Portions 24 and 28 of Mohlaba's Location 567 LT

APPENDIX I

EIA Application and Draft Scoping Report Acknowledgement Letter



DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

Ref: 12/1/9/2-M67 Enq: Koena Ramalepe Tel: 015 293 8655 E-mail: <u>Ramalepemk2@ledet.gov.za</u> NEAS Ref NO.: LIM/EIA/0001591/2022

Leago Environmental Solutions 66 Graham Road PRETORIA 0084

For attention: Mankalebe Magoro

E-mail: info@leagoenviro.co.za

Cell: 081 428 6116

RE: ACKNOWLEDGEMENT OF THE APPLICATION FOR THE PROPOSED TOWNSHIP ESTABLISHMENT ON PORTIONS 24 AND 28 OF THE FARM MOHLABA'S LOCATION 567 LT WITHIN GREATER TZANEEN LOCAL MUNICIPALITY OF MOPANI DISTRICT

- 1. The Department hereby acknowledges receipt of the application and a Scoping Report for consultation purposes for the above-mentioned proposed activity submitted on 13 July 2022.
- The application is allocated with Departmental reference number: 12/1/9/2-M67 and NEAS No: LIM/EIA/0001591/2022. Kindly quote this reference numbers in all future correspondence regarding this application.
- 3. Kindly be informed that the SR is under review and the Department will communicate its comments by 15 August 2022, which is 30 days of receipt of the application by the Department.

Bring to the attention of the applicant the fact that this activity must not commence prior to the Department deciding on the application.

Should you have any quories in regard to this matter, please do not hesitate to contact this Department.

CONTROL ENVIRONMENTAL OFFICER: GRADE B ENVIRONMENTAL IMPACT MANAGEMENT DATE: 2.0 27 2.022

Cc: Greater Tzaneen Local Municipality

ENVIR	ONMENTA CAPRIC		T MANAGEMENT
	2022	-07-	20
	TEL:	015 281	
1	IMPOP	OPRO	DVINCE

E-mail: Collennukeri@tzaneen.gov.za

HEAD OFFICE

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The heartland of southern Africa - development is about people!

APPENDIX 2

Plan of Study of the Environmental Impact Assessment

PLAN OF STUDY OF EIA FOR THE PROPOSED TOWNSHIP ESTABLISHMENT ON PORTIONS 24-& 28 OF MOHLABAS LOCATION 537 LT, TZANEEN, LIMPOPO PROVINCE



Unit 79, Block 5 Lombardy Business Park 66 Graham Road Pretoria, 0084

NAMES AND AND A DESCRIPTION OF A DESCRIP

DOCUMENT PREPARED BY:

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Cell: +27 (0) 81 428 6116 Tel: 012 807 7445 Email: <u>info@leagoenviro.co.za</u>

AUGUST 2022

Environmental Assessment Practitioner:

Mankaleme M. Magoro

EAP Signature:

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ACRONYMS AND ABBREVIATIONS

EIA	Environmental Impact Assessment
EAP	Environmental Assessment Practitioner
SR	Scoping Report
EA	Environmental Authorisation
RoD	Record of Decision
CA	Competent Authority
GTLM	Greater Tzaneen Local Municipality
MDM	Mopani District Municipality
S & EIR	Scoping and Environmental Impact Report
EMP	Environmental Management Plan
LEDET	Limpopo Department of Economic Development, Environment and Tourism
NEMA	National Environmental Management Act
I & APs	Interested and Affected Parties
PPP	Public Participation Process

I. INTRODUCTION

I.I. PROJECT BACKGROUND

Leago Environmental Solutions has been appointed by Vaxumi Consulting Town Planners on behalf of the Greater Tzaneen Local Municipality as Independent Environmental Assessment Practitioners to undertake an environmental impact assessment process for the purpose of establishing a township. The proposed township establishment will be situated on Portions 24 and 28 of Mohlaba's Location 567 LT, in Tzaneen, Limpopo Province. The proposed development site is 147.47 hectares in extent and is expected to yield 2248 stands / uses.

This plan of study of the Environmental Impact Assessment is prepared to meet the requirements for a plan of study as prescribed Appendix 2 (2)(i) of Government Notice R 326, a plan of study for undertaking the environmental impact assessment process to be undertaken, including-

(i) a description of the alternatives to be considered and assessed within the preferred site, including the option of not proceeding with the activity;

(ii) a description of the aspects to be assessed as part of the environmental impact assessment process;(iii) aspects to be assessed by specialists;

(iv) a description of the proposed method of assessing the environmental aspects, including a description of the proposed method of assessing the environmental aspects including aspects to be assessed by specialists;

(v) a description of the proposed method of assessing duration and significance;

(vi) an indication of the stages at which the competent authority will be consulted

(vii) particulars of the public participation process that will be conducted during the environmental impact assessment process; and

(viii) a description of the tasks that will be undertaken as part of the environmental impact assessment process;

(ix) identify suitable measures to avoid, reverse, mitigate or manage identified impacts and to determine the extent of the residual risks that need to be managed and monitored.

1.2. DESCRIPTION OF ALTERNATIVES

The National Department of Environmental Affairs stresses that the no-go option be considered as a base case against which to measure the relative performance of the other alternatives. The impacts of other alternatives are expressed as changes to the base case or status quo. If considered viable the decision not to act may be considered in the Plan of Study EIA.

The EIA Regulations stipulate that a requirement of the Scoping Process is to investigate feasible and reasonable alternatives to the project proposal.

The EIA Regulations define "Alternatives", in relation to a proposed activity, as "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

The concept of alternatives is aimed at ensuring that the best among all possible options in all aspects (environmental, economic, etc.) is selected. The option of not carrying out the proposed actions (nogo option) or developments is discussed to demonstrate environmental conditions without the project.

This means that for any project that is proposed, there should be a number of possible proposals or alternatives for accomplishing the same objectives or meeting the same need. Alternatives that would still meet the objective of the original proposal, but which would also have an acceptable impact on the environment (referring to physical, biological, aesthetic / visual) must be considered.

I.2.I. FEASIBLE AND REASONABLE ALTERNATIVES CONSIDERED FOR THE PROPOSED ACTIVITY

I.2.I.I. Site Alternatives

Due to land availability, the proposed development site is the only site that has been identified for establishing the township. Site alternatives are not applicable for this project.

I.2.I.2. Activity Alternatives

The current preferred activity is deemed to be the only feasible activity alternative as this activity will result in improved housing which can accommodate more people. No other activities were considered in this application due to the assessed need and feasibility of the proposed activity.

I.2.I.3. Design Alternatives

The unique character and appeal of Mohlaba's Location were taken into consideration with the design philosophy. Various township layout plan alternatives will still be considered, also taking terrain and environmental constraints into account. The final layout plan will also be informed by the findings of the various specialist studies.

I.2.I.4. Operational Aspects

The operational aspects of the activity relate to the improved housing for the local community. No other alternatives were deemed feasible other than the proposed activity.

I.2.I.5. No-Go Alternatives

This option would come into effect if this assessment reveals fatal flaws in the process. To date no fatal flaws have been revealed. The no-go alternative of not developing the proposed site would leave the environment in the current state.

1.3. SPECIALIST STUDIES / ASSESSMENTS

The identification and assessment of environmental impacts during this scoping phase reveal the following potentially significant environmental aspects which require further detailed assessment.

• Geotechnical Study:

The main objective of the investigation was aimed at defining the founding materials and establishing broader geotechnical conditions and their suitability to the proposed development.

• Traffic Impact Assessment Study:

A traffic impact study is undertaken to assess the traffic impact of the proposed development on the adjacent road network around the proposed development.

• Floodline

The main objective of the floodline assessment is to check if whether the proposed development/ activity is affected by any floodline.

• Civil Engineering Services Study

A report on the civil services, including sewage, solid waste and water is compiled in order to demonstrate the provision of infrastructure required to service the proposed township.

• Electrical Services

An electrical services report is compiled in order to demonstrate the provision of electrical infrastructure required to service the proposed township.

• Ecological Impact Assessment

A specialist flora/ fauna study will be undertaken to determine sensitive areas and impacts on red listed plant and faunal species on site.

Heritage Impact Assessment

The purpose of this study is to identify heritage resources within a proposed development area, assess their significance, the impact of the development on the heritage resources and to provide relevant mitigation measures to alleviate impacts to the heritage resources.

• Storm Water Management Plans

The storm water management plan will focus on the storm water infrastructure provision in the area.

I.3.1. Geotechnical Study

This study evaluates the geotechnical characteristics associated with the underlying geology and any geotechnical constraints that might affect structural integrity of the subject property. However, it is also essential to identify engineering properties" potential influence on the design, construction and operation of the intended infrastructures.

The following are some of the objectives of the conducted geotechnical investigation:

- To determine the geology of the site
- To establish in broad terms, the nature and relevant engineering properties of the upper soil and rock strata underlying the site
- To ascertain the soil chemistry including pH determination and electrical conductivity of the soil
- To comment on suitable excavation procedures for the installation of services
- To present general foundation recommendations for the proposed development
- To comment on any other geotechnical aspects as these may affect the development
- Potential geotechnical limiting factors by determining the behaviour and suitability of soil/ rocks and their effects on the intended development
- Determine the presence or occurrence of groundwater from the surface to a maximum depth of 3 meters.
- Classification of the site material according to the TRH14 classification system

Methodology

The geotechnical investigation commenced with a desktop study using existing geotechnical databases and geological maps.

The following information will be reviewed and consulted during the site investigation:

- National Home Builders Registration Council: Home Builders Manual 2015
- SAICE's Guidelines for Urban Engineering Geological Investigations;

- Expansive Roadbed Treatment for Southern Africa: D J Weston (1980) 4th Int. Conf. on Expansive Soils, Vol. 1, Denver pp 339-360
- Geological Map of South Africa from the database of Council for Geoscience: Scale 1: 100 000 Sheet – Geological series 2330CC/CD
- Schwartz, K. (1985). Collapsible soils. The Civil Engineer in South Africa, July, p379-393 and;
- South African Weather Service
- Technical Recommendations for Highways TRH14 Guidelines for Road Construction Materials by the National Institute for Transport and road research of the Council for Scientific and Industrial Research (1985)

1.3.2. Traffic Impact Assessment

The traffic impact assessment study is aimed at assessing the traffic impact of the proposed development on the adjacent road network around the proposed development.

Methodology

- Determination of the existing, pre-development traffic volumes and patterns near the development site
- Assess the land use of the proposed development to establish the expected trips to be generated
- Assess any public transport operations in and around the proposed development
- Determination of the post-development, projected traffic volumes and assess its impact on the existing road network
- Provide recommendations on the suitability and safety of the proposed access arrangements
- Recommendations on the infrastructure improvements, if deemed necessary, to accommodate the expected development traffic.

I.3.3. Floodline

The main objective of the floodline assessment was to check if the whether the proposed development will be affected by any floodline.

Methodology

- Determination of the catchment characteristics.
- Calculation of the floor peaks, using a minimum of three methods.
- Determination of the flood lines.
- Determination of the extent of developable areas through diagrammatic representation.
- Provide a floodline report.

1.3.4. Civil Engineering Services

A report on the civil services, including sewage, solid waste and water is compiled in order to demonstrate the provision of infrastructure required to service the proposed township.

Methodology

The study focused on the extent of the development to determine the availability of basic bulk infrastructure services required for the proposed development.

I.3.5. Electrical Services

A report on electrical services was conducted to demonstrate the provision of electrical infrastructure required to service the proposed development.

Methodology

The study will focus on the extent of the development to determine the availability of electrical infrastructure services required for the proposed development.

1.3.6. Ecological Impact Assessment

The objectives of the ecological / biodiversity study are:

- To identify and comment on ecologically sensitive areas
- Identify the flora and fauna conservation important species that need to be avoided.
- Provide baseline data on habitat and species on and adjacent to the site
- Investigate potential impacts that may occur during construction and/or operational stages of the development
- Provide advice on legislative framework relating to habitats and species on site.
- Suggest mitigation measures to be employed during the construction and operational stage of the project.
- Identify and assess the possible impacts that are likely to be caused by the development.

Methodology

A site visit will be conducted during which the observed presence of flora and fauna associated with the recognised habitat types will be recorded.

Data recorded will include a list of the fauna and flora species present, including trees, shrubs, and grasses. A species list will therefore be derived for each plant community /ecosystem present on the site. Notes will additionally be made of any other features that might be of ecological importance.

1.3.7. Heritage Impact Assessment

The purpose of this study is to identify heritage resources within a proposed development area, assess their significance, the impact of the development on the heritage resources and to provide relevant mitigation measures to alleviate impacts to the heritage resources.

The objectives of the study are to also define the heritage component of the Environmental Impact Assessment process which described as Phase I Heritage Impact (HIA). The report will evaluate both the accumulated heritage knowledge of the area as well as information derived from direct physical observations.

Methodology:

A Heritage Impact Assessment will be conducted to determine the impacts on heritage resources within the study area.

The following was required to perform the assessment:

- A site visit to the proposed development site
- Identification of the possible archaeological, cultural, historic, built and paleontological sites within the proposed development area
- Evaluation of the potential impacts of construction and operation of the proposed development on archaeological, cultural, historical resources; built and paleontological resources
- Recommendations on the mitigation measures to ameliorate any negative impacts on areas of archaeological, cultural and historical importance.

1.3.8. Storm Water Management Plan

The storm water management plan focused at storm water infrastructure provision in the area.

Methodology:

The first part of modelling will be done for a series of storms with a return period of 1:100 and different durations falling over the catchment. Storms with durations of 1, 1.5, 2, 4, 6, 8, 10, 12, 16, 20 and 24hour will be synthesised using procedures to estimate design rainfall in South Africa.

2. IMPACT ASSESSMENT METHODOLOGY

An environmental impact is defined as a change in the environment, be it the physical, chemical, biological, cultural and or socio-economic environment. Any impact can be related to certain aspects of human activities in this environment and this impact can be either positive or negative. It could also affect the environment directly or indirectly and the effect of it can be cumulative.

2.1. Methodology to assess the Impacts

To assess the impacts on the environment, the process has been divided into two main phases namely the Construction phase and the Operational phase. The activities, products and services present in these two phases have been studied to identify and predict all possible impacts. In any process of identifying and recognising impacts, one must recognise that the determination of impact significance is inherently an anthropocentric concept. Duinker and Beanlands, (1986) in DEAT 2002, Thompson (1988), (1990) in DEAT 2002 stated that the significance of an impact is an expression of the cost or value of an impact to society.

However, the tendency is always towards a system of quantifying the significance of the impacts so that it is a true representation of the existing situation on site. This has been done by using wherever possible, legal and scientific standards which are applicable.

The significance of the aspects/impacts of the process have been rated by using a matrix derived from Plomp (2004) and adapted to some extent to fit this process. These matrixes use the consequence and the likelihood of the different aspects and associated impacts to determine the significance of the impacts.

The consequence matrix use parameters like severity, duration and extent of impact as well as compliance to standards. Values of 1-5 are assigned to the parameters that are added and averaged to determine the overall consequence. The same process is followed with the likelihood that consists of two parameters namely frequency and probability. The overall consequence and the overall likelihood are then multiplied to give values ranging from 1 to 25. These values as shown in the following table are then used to rank the significance.

Significance	Low	Low-	Medium	Medium-	High
		Medium		High	
Overall Consequence X	I- 4.9	5 - 9.9	10-14.9	15-19.9	20-25
Overall Likelihood					

Table 1: Significance Ratings

Table 2: Description of the parameters used in the matrixes

SEVERITY				
Low	Low cost/high potential to mitigate. Impacts easily reversible, non			
	– harmful insignificant change/deterioration or disturbance to			
	natural environments.			
Low-medium	Low cost to mitigate small/ potentially harmful moderate change/deterioration or disturbance to natural environment.			

Medium	Substantial cost to mitigate. Potential to mitigate and potential to		
	reverse impact. Harmful Significant change/ deterioration or		
	disturbance to natural environment.		
Medium-high	High cost to mitigate. Possible to mitigate great/very harmful, very		
	significant change/deterioration or disturbance to natural		
	environment.		
High	Prohibitive cost to mitigate. Little or no mechanism to mitigate.		
	Irreversible. Extremely harmful Disastrous change/deterioration or		
	disturbance to natural environment.		
DURATION			
Low	Up to one month		
Low-medium	One month to three months		
Medium	Three months to one year		
Medium-high	One to ten years		
High	Beyond ten years		
EXTENT			
Low	Project area		
Low-medium	Surrounding area		
Medium	Within the Greater Tzaneen Local Municipality		
Medium-high	Within the Mopani District Municipality		
High	Regional, National and International		
FREQUENCY			
Low	Once a year or once during operation		
Low-medium	Once in 6 months		
Medium	Once a month		
Medium-high	Once a week		
High	Daily		
PROBABILITY			
Low	Almost never / almost impossible		
Low-medium	Very seldom / highly unlikely		
Medium	Infrequent / unlikely / seldom		
Medium-high	Often / Regularly / Likely / Possible		
High	Daily / Highly likely / definitely		
COMPLIANCE			
The following criteria a	re used during the rating of possible impacts.		

Low	Best practise
Low-medium	Compliance
Medium	Non-compliance / conformance to Policies etc. – Internal
Medium-high	Non-compliance / conformance to Legislation etc. – External
High	Directive, prosecution of closure or potential for non-renewal of
	licences or rights

A combination of the above methodologies will be used during the EIA phase of the project to determine the significance of the potential impacts associated with the proposed development as well as the alternatives investigated.

3. CONSULTATION WITH THE COMPETENT AUTHORITY: LIMPOPO DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT AND TOURISM

The competent authority will be consulted during the following steps in the EIA Process:

i. Application:

- Lodge an EIA application
- The applicant receives confirmation of application (acknowledgement letter) from the Competent Authority

ii. Scoping Phase

- Site inspection with the Competent Authority
- Public participation process
- Submission of the scoping report including Plan of Study of EIA to the Competent Authority to consider the Scoping Report and the Plan of Study for EIA.
- The Environmental Assessment Practitioner to receive confirmation of acceptance of Scoping Report and / or the Plan of Study for EIA.

iii. Environmental Impact Assessment

- Public participation process
- Submission of the Environmental Impact Assessment (consultation and final) Report to the Competent Authority
- Record of Decision from the Competent Authority.

4. PUBLIC PARTICIPATION PROCESS

4.1 Objectives of the Public Participation Process

The main objectives of the public participation process are to:

• Inform the interested and affected parties of the EIA process

- Provide sufficient background information regarding the proposed development to ensure informed participation
- Create networks and feedback mechanisms whereby I& APs could participate and raise their views (issues, comments and concerns) with regard to the proposed development.

The public participation process would thus ensure that the views of all the registered interested and affected parties would be reflected and considered by the Applicant and the Competent Authority.

4.2. METHODOLOGY:

The proposed public participation process for the EIA phase of the project will consist of:

4.2.1. Finalisation of Public Participation Report

The Public Participation Report would be completed and finalised at the end of the public review period. The report will consist of the following:

- Background of the proposed project
- A description of the public participation process followed
- A list of issues, comments and concerns raised during the public participation process
- Minutes of meeting (if applicable) and written comments received during the public participation process

4.2.2. Making the Draft and Final Reports Available for Public Comment

The draft EIA report will be made available to the public for their perusal and comment. All the registered I & APs will also be notified of the availability of the report. A 30-day review period is recommended for each of the reports. On completion of the review period, the EAP will update the report in respect of comments received. The draft and final report will be made available in the office or couriered and emailed to I&APs and stakeholders

The final report will then be presented to the authority and will also be made available to the I&APs and stakeholders.

4.2.3. Notification of Environmental Authorisation

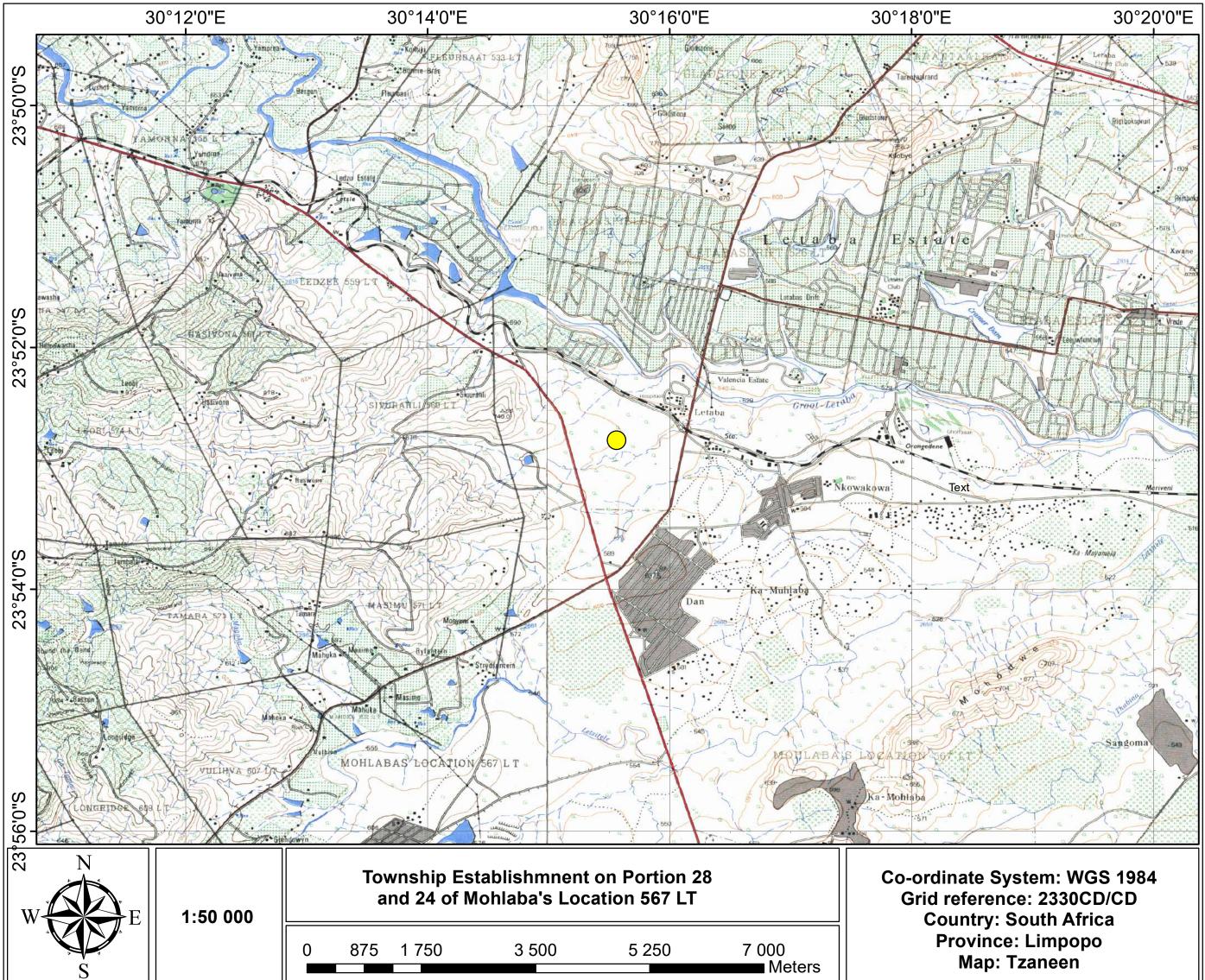
Once an environmental authorisation has been issued by the competent authority, the I&APs and stakeholders on the database will be notified of the decision within 14 days of receipt of the decision from the Competent Authority. The full environmental authorisation will be made available to stakeholders, interested and affected parties upon request. The stakeholders and interested and affected parties will also be informed of their right to appeal and the process to follow.

5. CONCLUSION

Specialist study reports will also be included during the EIA phase. All the specialists' recommendations, comments from the Competent Authority, I&APs and other stakeholders will also be used to determine the final township layout plan of the proposed development so that it has the least environmental impacts.

APPENDIX 3

Locality Map





..... LONG \bigcirc



..... 30°15'34,24"E 23°52'45,62"S

Legend

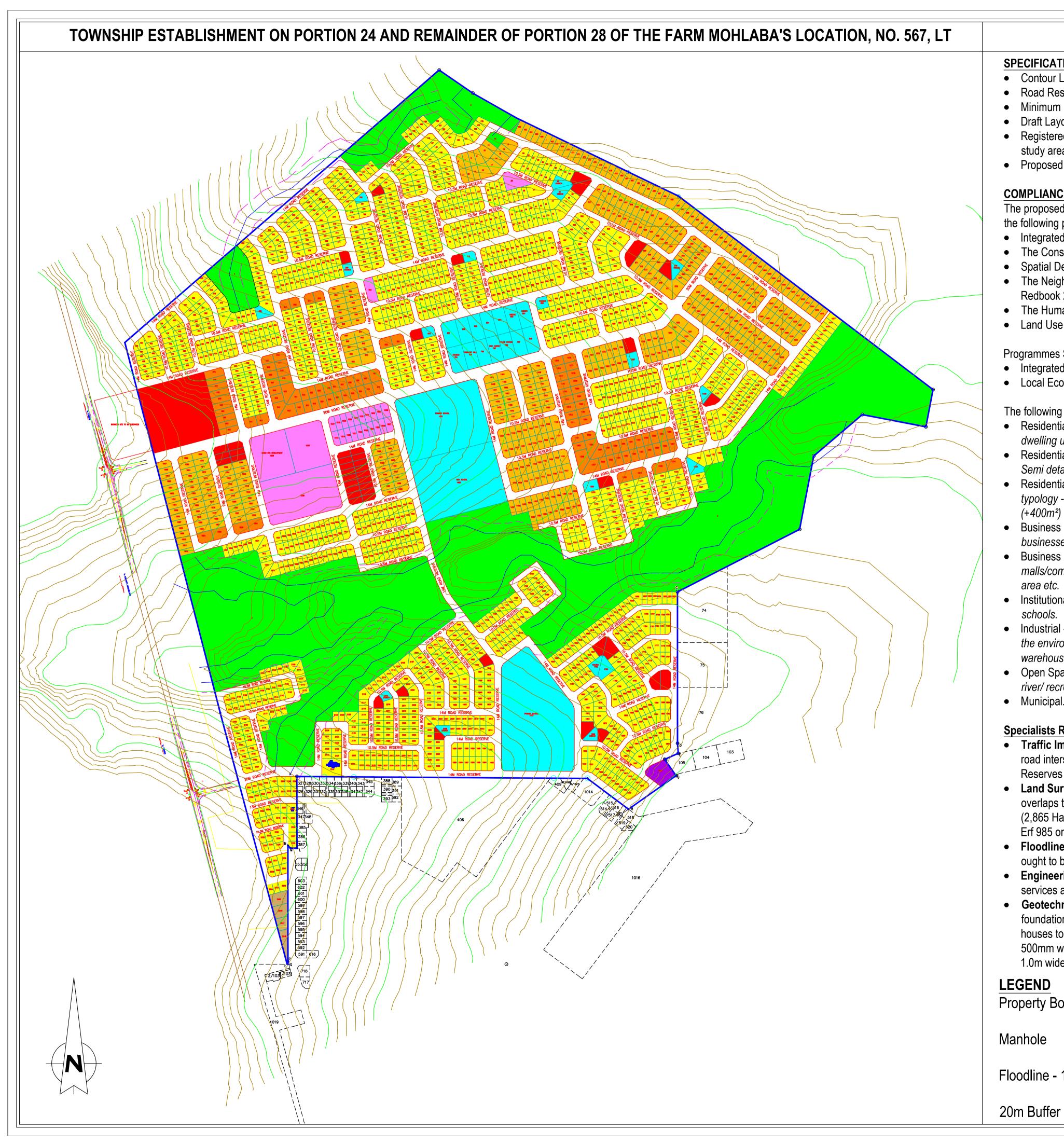
	belaamu belaaa
Principal road; Built-up area; Locality	
Secondary road; Bridge; Causeway	
Minor road jacess b condition not assured	
Vehicle track access is condition not assured:	
Dual carriageway; Distance in kilometres	
Route marker: National, State	-00-00-
Gate; Stock grid	
Embankment; Cutting	and the second s
Airport; Landing ground; Heliport	
Multiple track railway; Station or siding	
Single track railway; Bridge; Tunnel	
Powerline (110kV and over)	
Homestead; Building's; Ruin	• • • • •
Fence; Levee; Open cut mine	
Mine; Windpump; Yard	* 1 a
Contour with value; Depression contour	0
Horizontal control point; Spot elevation	A - 894
Sand; Sand dunes	di 32
Sand ridges; Pinnacle; Cliff	***
Forest, wood or scrubland; Rainforest	1/////
Pine plantation; Urban recreation parkland .	STATE HERED
Orchard, plantation or vineyard; Windbreak	
Watercourse (presence of water not implied)	
Perennial lake; Non-perennial lake	0
Bore or well; Spring; Tank or small dam	
Subject to inundation; Swamp	THERE IN AND
Saline coastal flat; Wreck, bare or awash	1
Foreshore flat; Lighthouse	
Mangrove; Tidal ledge or reef; Shoal	26
Breakwater; Rock, bare or awash	2.
Wharf; Jetty or pier	4
State or Territory border.	
Reserved area boundary	
Prohibited area boundary	



Mavhetha Lavhelesani Moblile: 012 807 7445 email: info@leagoenviro.co.za

APPENDIX 4

Township Layout Plan



NOTES

SPECIFICATIONS

- Contour Lines 1m interval.
- Road Reserves: 10.5m, 12m, 13, 14m & 20m.
- Minimum Site Area: 250m².
- Draft Layout Plan.
- Registered Electrical Powerline Servitude next to study area.
- Proposed Road Intersections on R36 Provincial Road.

COMPLIANCE

The proposed development was observes some of the to the following policies

- Integrated Development Plan (IDP)
- The Constitution of South Africa No. 106 of 1996
- Spatial Development Plan (SDF)
- The Neighbourhood Planning & Design Guide -Redbook 2019
- The Human Settlement & Planning Design
- Land Use Management Scheme

Programmes Supporting the Proposed Development:

- Integrated Residential Development Programme
- Local Economic Development policy

The following land use zones were proposed:

- Residential 1 includes low density housing typology: dwelling units, low cost housing (+250m²).
- Residential 2 includes medium density housing: Semi detached - townhouses (Simplex) (+300m²).
- Residential 3 medium to *high density housing* typology - Semi-detached Townhouse - Duplex (+400m²)
- Business 1 basic convenient shops, administrative businesses, offices, restaurants etc.
- Business 2 *mixed development including shopping* malls/complexes, guesthouses, lodge, entertainment area etc.
- Institutional social facilities like churches, libraries & schools.
- Industrial industry activities having limited impact to the environment like, filling stations, butcheries, warehouses & workshops.
- Open Space passive space for conservation of the river/ recreational use.
- Municipal.

Specialists Reports Recommendations

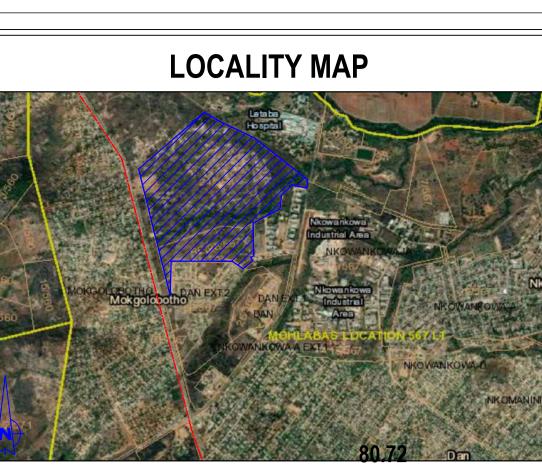
- Traffic Impact Assessment (TIA) proposed two (2) road intersections from the R36 that connects to Road Reserves under Class 4b (20m wide).
- Land Surveyor A Business Site was identified, that overlaps to "Remaining Extent of Farm 567, LT" (2,865 Ha). The site is incorporated and identified as Erf 985 on proposed layout plan.
- Floodline Calculations any proposed development ought to be 20m from floodline.
- Engineering Services Report all engineering services are closely located to the site.
- Geotechnical Engineer The Reinforced strip foundations /Raft foundation is recommended for the houses to be built on the site. Foundation trenches for 500mm wide strip footing to be over-excavated to 1.0m wide by 1.6m deep below existing ground level.

LEGEND

Property Boundary

Manhole

Floodline - 1:100



LAND USE TABLE					
LAND USE ZONE		NO. OF SITES	AREA (Ha)	% OF AREA	
RESIDENTIAL 1		1584	43.82	29.71	
RESIDENTIAL 2		435	16.18	10.97	
RESIDENTIAL 3		113	4.81	3.26	
BUSINESS 1		46	3.90	2.64	
BUSINESS 2		25	3.68	2.50	
INSTITUTIONAL		35	10.30	6.98	
INDUSTRIAL		1	0.19	0.13	
MUNICIPAL		4	0.30	0.20	
OPEN SPACE		5	34.15	23.16	
ROAD			30.14	20.44	
TOTAL		2248	147.47	100.00	

PROJECT:

Township Establishment on Portion 24 and Remainder of Portion 28 of the Farm Mohlaba's Location, No. 567, LT **REVISION:** Draft Final Layout Plan - Municipal Review

DATE:	JULY 2022
SCALE:	1:3000
CLIENT	
Greater Tzaneen Local Municipality	
P. O. Box 24 TZANEEN	
0850 Civic Centre, 38 Agatha Street	
CONSULTANT	
VAXUM CONSULTING 	
11 Henry Morey Street Tel: 013 750	

Cell: 082 960 9487

Email: maluleke@vaxumi.co.za

White River

1240

White River

1240

APPENDIX 5

Public Participation Process

List of Stakeholders / Authorities Identified

Communication to Stakeholders / Authorities

Register / Proof of Notice Delivery

Proof of Consultation Scoping Report Circulation

Proof of Newspaper Publication

GIYANI VIEW

13-15 JULY 2022

Mayor Zitha rubbish possible shutdown in





NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN **TERMS OF SECTION 24 OF THE NATIONAL ENVIRONMENTAL** MANAGEMENT ACT (NO. 107 OF 1998)

In terms of the provisions of the National Environmental Management Act (No. 107 of 1998) and the EIA Regulations of 2017 as amended, please be advised that an application for environmental authorisation for the proposed township establishment within the Greater Tzaneen Local Municipality will be submitted by Leago Environmental Solutions to the Limpopo Department of Economic Development, Environment and Tourism.

Project Applicant: Greater Tzaneen Local Municipality

Listed Activities Applied For: GN R327, Listing Notice I: Activity 24 (ii), GN R325, Listing Notice 2: Activity 15 and GN R324, Listing Notice 3: Activity 12(e)(ii)

EIA Process Required: Scoping and Environmental Impact Process

Property Description and Location: Portions 24 and Portion 28 of Mohlaba's Location 567 LT, in Tzaneen, Limpopo Province

Size of Project Area: 147.47 hectares

Proposed Development: Township establishment with 1584 Residential 1, 435 Residential 2, 113 Residential 3, 46 Business 1, 25 Business 2, 35 Institutional, 1 Industrial, 4 Municipal and 5 Open Spaces

By STAFF MEMBER

The Greater Giyani Municipality Mayor Cllr ThandiZitha strongly dismisses rumours of a possible shutdown in Giyani.

Mayor Zitha said a widely circulated statement on social media is a propaganda, opportunistic and irresponsible behaviour by some faceless sources.

"This statement seeks to undermine the integrity and stability of the municipality by spreading rumours to create unnecessary panic amongst the communities we serve.

"We therefore call for calm amongst the broader members of the communi-

Two food service assis- groceries tants arrested for steal-

By THANDIMATHEBULA

wo official working as Food Service Aides at Letaba Hospital have been arrested and charged with theft.

According to the Department the suspects were found in possession of packs of groceries they allegedly stole from the phospital grocery storehouse.

"The two personnel were arrested while leaving the hospital after knocking off from night shift. It was then that the security personnel at the gate searched the car that the officials were traveling in and found packs of groceries stashed in the boot.

ties. We want to put it on record that there is no shutdown. At the same time we urge every law abiding citizen to distance themselves from any illegal protests organised through social media without following due processes which has now become a norm.

"We will continue to work with the law enforcement urgencies to protect the rights of all citizens".

Meanwhile the Mayor condemned the use of her name, that of the municipal manager and the chief whip in the statement, saying it is deliberately designed to undermine the integrity of both the institution and council.

ing hospital

"Police were immediately called and arrested the two officials. The MEC congratulated the security officers for the job well

done", reads the statement. "Our department is operating from a shoe string budget as it is, we can't afford to have leakages of resources caused by unethical and I'll disciplined personnel. We therefore want to commend the security personnel for doing their work without fear or favour," said MEC.

The MEC added that unethical conduct such as theft, fraud or corruption must be met with rage and concomitant action whenever they appear.



Date of Notice: 15 July 2022

To be identified as an interested and/or affected party, (I&AP), please submit your name, contact information, interest in the matter and any comments in writing within 30 days of this notice.

QUERIES REGARDING THIS MATTER SHOULD BE REFERRED TO:

Leago Environmental Solutions Public Participation Registration and Enquiries:

Unit 79, Block 5 Lombardy Business Park 66 Graham Road, Pretoria, 0084 Contact Person: Mankaleme M. Magoro Email: info@leagoenviro.co.za Tel: 012 807 7445

On-Site Notices





APPENDIX 5.7

Comments Received from Stakeholders and Interested & Affected Parties

APPENDIX 5.8

Comments and Response Report

COMMENTS AND RESPONSE REPORT FOR THE PROPOSED TOWNSHIP ESTABLISHMENT TO BE SITUATED ON PORTIONS 24 AND 28 OF MOHLABA'S LOCATION 567 LT, TZANEEN, LIMPOPO PROVINCE

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I. INTRODUCTION

Leago Environmental Solutions has been appointed by Vaxumi Consulting Town Planners on behalf of Greater Tzaneen Local Municipality as Independent Environmental Assessment Practitioners (EAPs) to undertake an Environmental Impact Assessment process for the purpose of establishing a township. The proposed township will be situated on Portions 24 and 28 of Mohlaba Location 567 LT, in Tzaneen, Limpopo Province. The proposed development site is approximately 147.47 hectares in extent and it is expected to yield 2248 stands.

The site is located roughly at the following coordinates:

23°52'45.62"S; 30°15'34.24" E

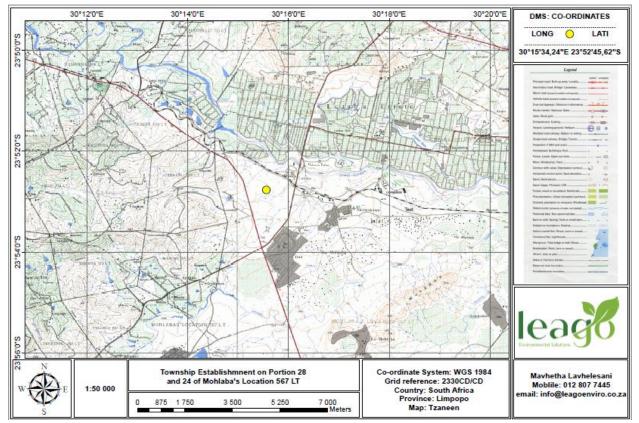


Figure 1 below depicts the locality map of the proposed development site.

Figure 1: Locality map of the proposed development site

The proposed development entails 2248 uses for:

- 1584 Residential I
- 435 Residential 2

- II3 Residential 3
- 46 Business I
- 25 Business 2
- 35 Institutional
- I Industrial
- 4 Municipal
- 5 Public Open Spaces

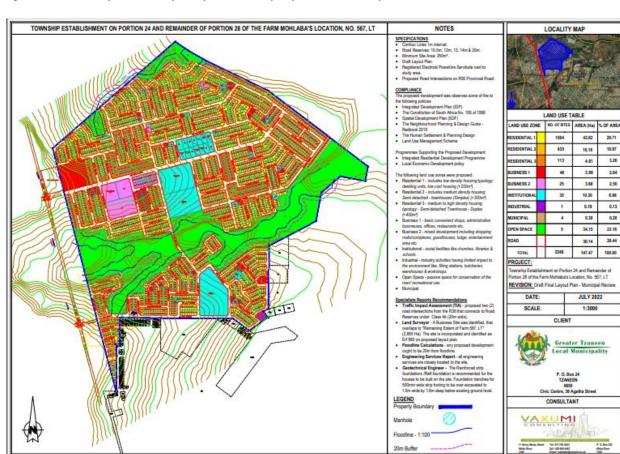


Figure 2 below depicts the layout plan of the proposed township establishment.

Figure 2: Township layout plan

2. COMMENTS RECEIVED FROM STAKEHOLDERS, INTERESTED AND AFFECTED PARTIES

Table 2.1 below outlines the requirements for the public participation process set out in Section 41 of the Environmental Impact Assessment Regulations as well as the actions taken by an Environmental Assessment Practitioners (EAP).

Table 2.1: Public Participation Process

EIA requirements	Action taken by EAP
a. Fixing a notice board at a place	Notice boards were placed in English at various locations on and
conspicuous to the public at the	around the project area to ensure that it is visible.
boundary or on the fence or	
along the corridor of:	
i. the site where the activity	
to which the application	
relates is or is to be	
undertaken; and	
ii. any alternative site;	
 b. Giving written notice, in any of the manners provided for in Section 47D of the Act, to 	The scoping report and draft EIA report will be compiled for the proposed development and will be circulated to the interested and affected parties. Invitations to become involved in the project
– i. the occupiers of the	and to register as stakeholders, interested/ affected parties were also circulated. The draft scoping report was also circulated for
site and, if the proponent or applicant is not the owner or person in control of the site on which the activity is to be undertaken, the owner or person in control of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;	 a period of 30 days for review and comments. The invitations were sent to the following: Residents of Mohlaba's Location (Dan) Limpopo Department of Agriculture and Rural Development (Mopani District) South African Heritage Resource Agency (SAHRA Limpopo Department of Water and Sanitation Greater Tzaneen Local Municipality Ward Councilor (Ward 17) Mopani District Municipality Limpopo Department of Public Works Nkuna Traditional Council
ii. owners, persons in control of, and	

	occupiers of land	
	adjacent to the site	
	where the activity is or	
	is to be undertaken or	
	to any alternative site	
	where the activity is to	
	be undertaken;	
iii.	the municipal	
	councilor of the ward	
	in which the site or	
	alternative site is	
	situated and any	
	organisation of	
	ratepayers that	
	represents the	
	community in the area;	
iv.	the municipality which	
	has jurisdiction in the	
	area;	
v.	any organ of state	
	having jurisdiction in	
	respect of any aspect	
	of the activity; and	
vi.	any other party as	
	required by the	
	competent authority.	
c. Placii	ng an advertisement in –	The EIA application was advertised in Giyani Review on the 13th
i.		July 2022.
	or	
ii.	ii. any official Gazette	
	that is published	
	specifically for the	
	purpose of providing	

public notice of
applications or other
submissions made in
terms of the EIA
Regulations

Comments were received from other I&APs with regards to the proposed township establishment through the public participation process (site notices, background information letters, draft scoping report and the newspaper publication). Table 2.2 below gives a summary of the comments received during the public participation process.

Name	Organisation	Date Received	Comments	Response by the EAP
Nkhensani Mayimele		11 August 2022	To whom it may concern	Good Morning Nkhensani,
			Please receive the attached registration form for the intended development at the aforementioned area (on the subject) in Tzaneen Limpopo. Comments: Can I apply for a residential stand for me and my family of five at either Portion 24 or Portion 28, Mohlaba Locations? We have been without a stable home for 10 years Regards	We acknowledge receipt of your comments as an interested and affected party. Please note that as Leago Environmental Solutions, we have been appointed solely for conducting the Environmental Impact Assessment process and therefore cannot assist with any matters regarding the allocation of stands. Please consult the Municipality for more information on the allocation of stands. We hope you find this in order. Regards,
			N.J Mayimele	Mankaleme Magero Research Samero Research Same
Robert Mayimele		II August	To whom it may concern Please receive the attached registration form for the intended development at the aforementioned area (on the subject) in Tzaneen Limpopo. Comments: Can I apply for a residential stand for me and my family of five at either Portion 24 or Portion 28, Mohlaba Locations? We have been without a stable home for 10 years	Good Morning Nkhensani, We acknowledge receipt of your comments as an interested and affected party. Please note that as Leago Environmental Solutions, we have been appointed solely for conducting the Environmental Impact Assessment process and therefore cannot assist with any matters regarding the allocation of stands. Please consult the Municipality for more information on the allocation of stands.

Table 2.2: Summary of comments received from Stakeholders and Interested & Affected Parties

	Regards		
	G.R Mayimele (Mr.)	We hope you find this in order.	
		Regards,	
		Mankaleme Magaro Mankaleme Magaro Mangari Distan Mankal National Mankal Nation	

3. CONCLUSION AND RECOMMENDATIONS

All the stakeholders, I&AP's will be notified of the availability of the reports for observation and comments. Therefore, all the comments and concerns identified will be adequately addressed.

APPENDIX 6

Site Photographs





APPENDIX 7

Additional Information

APPENDIX 7.1

Details and Expertise of the EAP