

ENVIRONMENTAL IMPACT ASSESSMENT TO OBTAIN AN ENVIRONMENTAL CLEARANCE FOR THE REZONING OF ERF 1488, DORADO PARK (EXTENSION 1) FROM 'PRIVATE OPEN SPACE' TO 'INSTITUTIONAL'

2022

App - 003876

Project Name:	ENVIRONMENTAL IMPACT ASSESSMENT TO OBTAIN AN ENVIRONMENTAL CLEARANCE FOR THE REZONING OF ERF 1488, DORADO PARK (EXTENSION 1) FROM 'PRIVATE OPEN SPACE' TO 'INSTITUTIONAL'	
The Proponent:	The International University of Management Private Bag 14005 Bachbrecht Windhoek	
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EXECUTIVE SUMMARY

Green Earth Environmental Consultants were appointed by the Proponent, the International University of Management, to conduct an Environmental Impact Assessment to obtain an Environmental Clearance to rezone Erf 1488, Dorado Park (Extension 1) from 'private open space' to 'institutional'. The land within the immediate vicinity of the project site is predominately characterized by residential, business, and institutional activities. In terms of the Regulations of the Environmental Management Act (No 7 of 2007) an Environmental Impact Assessment has to be done to address the following 'Listed Activities':

LAND USE AND DEVELOPMENT ACTIVITIES

5.1 The rezoning of land from:

(d) use for nature conservation or zoned open (perceived as a public space) space to any other land use.

The key characteristics/environmental impacts of the proposed project are as follows:

Impact on environment	Nature of impact
More efficient and intensive use of land.	Positive for the City of Windhoek and
	Namibia in general.
Creation of employment and transfer of	Positive as employment will be created
skills.	during construction and operation.
Provision of additional institutional land.	Positive as institutional land is
	required.
Impact on utilization of municipal and other	Negative during construction due to
infrastructure and facilities.	municipal infrastructure which must be
	relocated to accommodate the facilities
	but positive due to the better utilization
	of existing municipal infrastructure.
The creation of dust.	Negative during construction and use
	as some of the roads might be gravel
71 111	roads.
There will be an impact on traffic.	Negative during construction and once
	operational as the site will result in the
	increase in traffic in the city and on the main roads in the area.
The creation of noise.	Negative during construction but low
The creation of noise.	and on par with the noise levels
	associated with the residential uses on
	the neighbouring land.
Possible impact on cultural/heritage aspects.	No items of archeologic value or
Tooolisio impaot on oditara, nontago aspooto.	graves were observed during the site
	visit which means the impact will be
	low. If any items or graves are found
	during construction, the impact will be
	high and irreversible.
Impact on fauna and flora.	Animals, reptiles, and birds will be

	disturbed during the clearing of the land to be used for road construction. Vegetation must be removed to construct the roads. Permits must be obtained to remove protected tree species.
There might be a possible visual impact.	Medium to high as land will be cleared
	for the alignment and construction of
	the roads.
Impact on groundwater, surface water and	The impact will be negative in case of
soil.	spilling of hazardous materials during
	construction and operation.
Impact on health and safety.	Low if mitigated during construction
	and operations.

The negative impacts associated with the project are the impact on the vegetation, the natural drainage systems, noise and dust during construction and operation, the danger of residents and visitors being injured during construction, the transmission of diseases from people or to people involved in construction and the loss of land. However, mitigation measures will be provided that can control the extent, intensity, and frequency of these named impacts in order not to have substantial negative effects or results.

The type of activities that will be carried out on the site will not negatively affect the amenity of the locality and the activities do not adversely affect the environmental quality of the neighbouring erven or areas. None of the potential impacts identified are regarded as having a significant impact to the extent that the proposed project should not be allowed. However, the operational activities further on need to be controlled and monitored by the assigned subcontractors and the proponent.

The Environmental Impact Assessment which follows upon this paragraph was conducted in accordance with the guidelines and stipulations of the Environmental Management Act (No 7 of 2007) meaning that all possible impacts have been considered and the details are presented in the report. Based upon the conclusions and recommendations of the Environmental Impact Assessment Report and Environmental Management Plan following this paragraph, the Environmental Commissioner of the Ministry of Environment, Forestry and Tourism is herewith requested to:

- Accept the Environmental Impact Assessment;
- 2. Approve the Environmental Management Plan;
- Issue an Environmental Clearance to rezone Erf 1488, Dorado Park (Extension 1) from 'private open space' to 'institutional' and for the following "listed activities":

LAND USE AND DEVELOPMENT ACTIVITIES

5.1 The rezoning of land from:

(d) use for nature conservation or zoned open (perceived as a public space) space to any other land use.

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LIST OF ABBREVIATIONS

CAN Central Area of Namibia

EC Environmental Clearance

ECO Environment Control Officer

EIA Environmental Impact Assessment

EMP Environmental Management Plan

I&APs Interested and Affected Parties

MEFT Ministry of Environment, Forestry and Tourism

SQM Square Meters

1. INTRODUCTION

The Proponent, International University of Management, appointed Green Earth Environmental Consultants to conduct an Environmental Impact Assessment and develop an Environmental Management Plan to obtain an Environmental Clearance to rezone Erf 1488, Dorado Park (Extension 1) from 'private open space' to 'institutional'.

The Environmental Management Act (No. 7 of 2007) and the Environmental Impact Assessment Regulations (GN 30 in GG 4878 of 6 February 2012) stipulates that an Environmental Impact Assessment (EIA) report and management plan is required as the following 'Listed Activities' are involved:

LAND USE AND DEVELOPMENT ACTIVITIES

5.1 The rezoning of land from:

(d) use for nature conservation or zoned open (perceived as a public space) space to any other land use.

The Environmental Impact Assessment below contains information on the proposed project and the surrounding areas, the proposed activities, the applicable legislation to the study conducted, the methodology that was followed, the public consultation that was conducted, and the receiving environment's sensitivity and any potential ecological, environmental, and social impacts.

2. TERMS OF REFERENCE

To be able to implement the proposed project, an Environmental Impact Assessment and Environmental Clearance is required. For this environmental impact exercise, Green Earth Environmental Consultants followed the terms of reference as stipulated under the Environmental Management Act.

The aim of the environmental impact assessment was:

- To comply with Namibia's Environmental Management Act (2007) and its regulations (2012).
- To ascertain existing environmental conditions on the site to determine its environmental sensitivity.
- To inform I&APs and relevant authorities of the details of the proposed development and to provide them with an opportunity to raise issues and concerns.
- To assess the significance of issues and concerns raised.
- To compile a report detailing all identified issues and possible impacts, stipulating the way forward and identify specialist investigations required.
- To outline management guidelines in an Environmental Management Plan (EMP) to minimize and/or mitigate potentially negative impacts.

The tasks that were undertaken for the Environmental Impact Assessment included the evaluation of the following: climate, water (hydrology), vegetation, geology, soils, socio economic impact, cultural heritage, groundwater, sedimentation, erosion, biodiversity, sense of place, socio-economic environment, health, safety and traffic.

The EIA and EMP from the assessment will be submitted to the Environmental Commissioner for consideration. The Environmental Clearance will only be obtained (from the DEA) once the EIA and EMP has been examined and approved for the listed activity.

The public consultation process as per the guidelines of the Act has been followed. The methods that were used to assess the environmental issues and alternatives included the collection of data on the project site and surrounding area, info obtained from the proponent and the Ministry of Environment, Forestry and Tourism and identified and affected stakeholders. Consequences of impacts were determined in five categories: nature of impact, expected duration of impact, geographical extent of the event, probability of occurring and the expected intensity.

All other permits, licenses or certificates that are further on required for the operation of the proposed project still needs to be applied for by the proponent.

3. NEED AND DESIRABILITY

Erf 1488, Dorado Park is partly developed, however not to full capacity - there is still room for more development. The following was obtained from the Council Resolution:

Institutions of higher learning contributes immensely toward human capital development, fostering economic growth and innovation systems in cities and regions. With the noticeable urban growth in Windhoek that requires highest levels of innovation, research and skilled workforces, the proposed development found to be favorable in ensuring optimum usage of land underutilized for that development purpose.

With the increase in various economic activities in recent years, particularly for uses such as the ones in discussion there has been an equally increased demand for huge parcels of land which are not exactly available in the city.

The establishment of institutional activities also provide employment opportunities for residents living in Windhoek.

As the advertisement procedures were completed already, the returned forms from all the adjacent neighbours indicates they have no objection to the intended rezoning.

According to the information mentioned above, it is believed that there is a need and desirability for the project. The proposed project is desirable as the study area is suitable for the proposed operations, the activities will have a limited impact on the biophysical environment, enough water is available for construction and proper accesses can be provided to the proposed operations.

Determining what the impact of the operations would be are broken down into different categories and environmental aspects and dealt with in the Environmental Management Plan (EMP). As per the ISO 14001 definition: an environmental aspect is an element of an organization's activities, products and/or services that can interact with the environment to cause an environmental impact e.g., land degradation or land deterioration among others, that will cause harm to the environment.

All concerns and potential impacts raised during the public participation process and consultative meetings were evaluated. Predictions were made with respect to their magnitude and an assessment of their significance was made according to the following criteria:

The Nature of the activity: The possible impacts that may occur are that water will be used in the construction and operational phases, wastewater will be produced that will be handled either by the Municipality or by the proponent, land will be used for the proposed activities, a sewage system will be constructed, and general construction activities will take place, namely the building of infrastructure.

The Probability of the impacts to occur: The probability of the above-named impacts to occur and have a negative or harmful impact on the environment and the community is small since the Environmental Management Plan will also guide these activities. Water will still be used, and wastewater produced, however guidelines will be set that will ensure the impact is minimum.

The Extent of area that the project will affect: The specific project will most likely only have a small impact on the proposed project site itself and not on the surrounding or neighbouring land except for noise, traffic, roads, electricity and dust and there may be a visual impact because of the size of the proposed development. Therefore, the extent that the project will have a negative impact on is not extensive.

The Duration of the project: The duration of the project is uncertain. Water will still be used, and waste produced on a continuous basis and the structures that were constructed will remain and may be visually unpleasing to surroundings.

The Intensity of the project: The intensity of the project is mostly limited to the site however for the above-named items/processes where the intensity of the project will be felt outside the borders of the project site.

According to the information that was present while conducting the Environmental Impact Assessment for the construction and operation of the project, no high-risk impacts were identified and therefore it is believed that the operations will be feasible in the short and long run. Most of the impacts identified were characterized as being of a low impact on the receiving and surrounding environment and with mitigation measures followed, the impacts will be of minimum significance or avoided.

4. BACKGROUND INFORMATION ON PROJECT

4.1.PROPOSED PROJECT

It is the intention to rezone Erf 1488, Dorado Park (Extension 1) from 'private open space' to 'institutional'. Erf 1488, Dorado Park Extension 1, is located between the residential area and the Western Bypass, on the western edge of Dorado Park directly southwest of the existing premises of the International University of Management (IUM). Erf 1488 is zoned private open space and is 5,7535ha in extent. Lecture halls have been constructed on the northern corner of the erf which leaves a large portion of the erf vacant. The IUM, due to increase in demand for their services, intends to construct additional lecture halls, a multipurpose hall and administrative buildings. Erf 271, Dorado Park, which accommodates the main section of the IUM's buildings, has been build up to capacity and has insufficient space to accommodate further extensions of facilities. It is thus the intention of the Proponent to construct these additional facilities on Erf 1488, Dorado Park. To be able to do that, Erf 1488, Dorado Park (Extension 1) must be rezoned from 'private open space' to 'institutional'. See below maps showing the location of the project site:

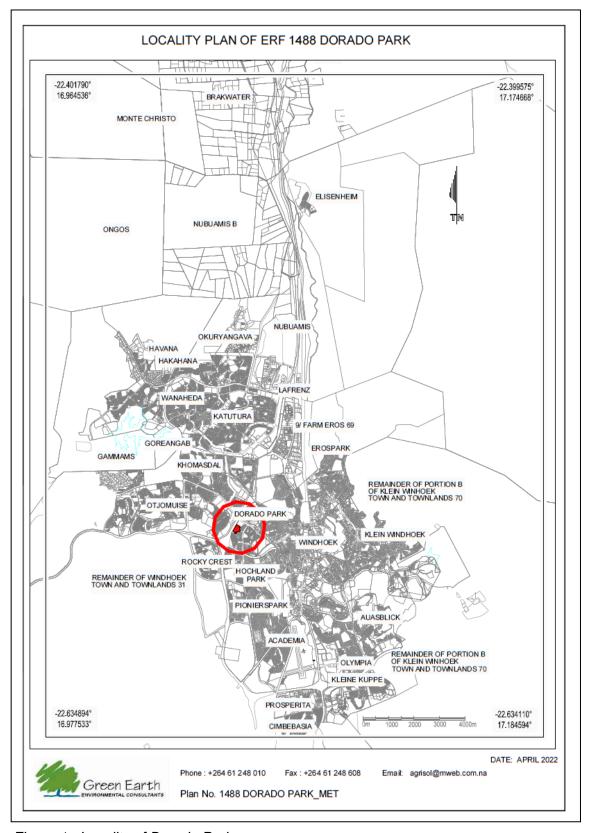


Figure 1: Locality of Dorado Park

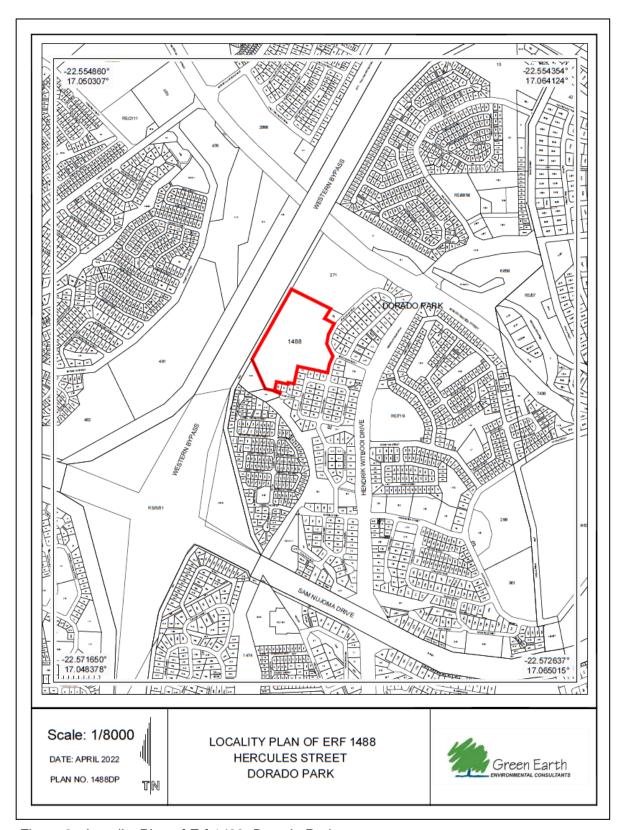


Figure 2: Locality Plan of Erf 1488, Dorado Park

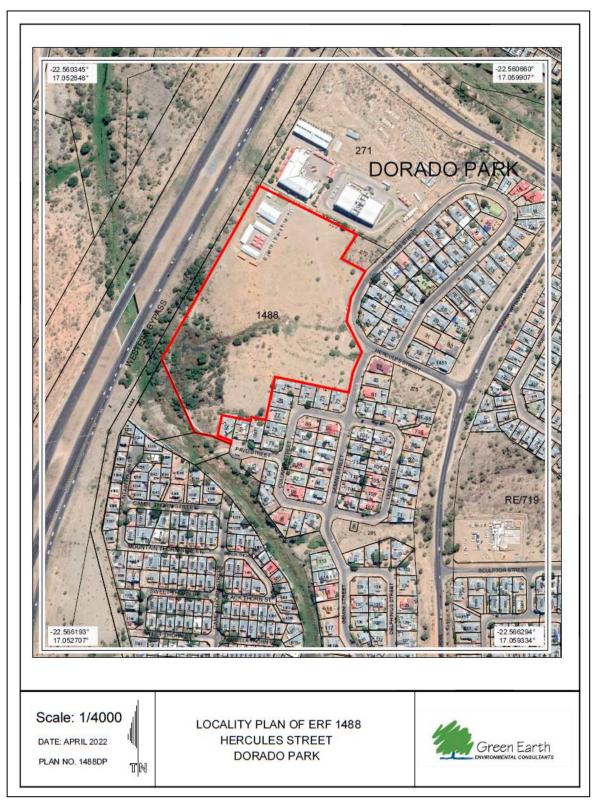


Figure 3: Locality Plan of Erf 1488, Dorado Park with image

Erf 1488 is located on the western edge of Dorado Park. No major traffic flow problems are experienced during peak hours except for taxis dropping and picking up students on the road due to a lack of space and facilities. However, transport and traffic issues should be addressed to make the project a success.

4.2.TOPOGRAPHY

The terrain can be considered flat, as most of it has been levelled. There is a natural upwards gradient along the north-eastern boundary of the Erf and a downward slope towards the Arebusch River in the southwestern side. The availability of developable land however is sufficient for the proposed uses. The Erf has also been cleared and flattened for the larger part of the site.



Figure 4: Area on site suitable for development



Figure 5: Slightly steep part on site



Figure 6: Relatively flat area on site

4.3.BUILDINGS ALREADY ON SITE

The following buildings are already constructed on the Project Site and next to the Site:



Figure 7: Lecture Hall next to the Erf (1)



Figure 8: Lecture Hall next to the Erf (2)



Figure 9: Asante Hall with supporting buildings

4.4. APPROVALS OBTAINED

4.4.1. CITY OF WINDHOEK - RECOMMENDATIONS

The following recommendations were made by the Municipal Council of Windhoek:

Department of Urban & Transport Planning

≥ 59

80 Independence Avenue

WINDHOEK, NAMIBIA

Tel: (+264) 61 290 2073 • Fax: (+264) 61 290 2060 • www.cityofwindhoek.org.na

Ref: L/1488/DP

Date: 29 June 2021

Enq: Ms R. Kwenani Tel: 290 3428

Plan Africa Consulting CC P O Box 4114 Windhoek

Dear Sir,

NOTICE IN TERMS OF SECTION 109 (3) OF THE URBAN AND REGIONAL PLANNING ACT, 5 OF 2018

Please take note that the Municipal Council of Windhock intends to recommend to the Urban and Regional Planning Board the following application:

 REZONING OF ERF 1488, DORADO PARK EXTENSION 1 FROM PRIVATE OPEN SPACE TO INSTITUTIONAL

Kindly also note that the submission of the application to the Urban and Regional Planning Board is subject to the following conditions as per Council Resolution 118/05/2021;

- 1.1.1 That a Traffic Impact Assessment (TIA) be conducted to assess systems capacity and include Non-Motorised Transport (NMT) and public transport requirements due to the traffic constraints already experienced in this area.
- 1.1.2 That the Traffic Impact Assessment (TIA) consider the node encompassed by Moses Garoëb Street, Hendrik Witbooi Drive, Mensa Street and the Arebbusch River.
- 1.1.3 That the outstanding taxi rank be constructed in terms of Council Resolution 208/08/2011.
- 1.1.4 That the roads and intersection improvements for transport systems within the enclave of the development be informed by the Traffic Impact Assessment (TIA) to be submitted together with conceptual plans to the Strategic Executive: Urban and Transport Planning.
- 1.1.5 That the applicant take note that where street upgrading is required, a corresponding Development Agreement need to be signed.
- 1.1.6 That an Engineer be appointed for the detail design and supervision of the proposed construction work for the account of the applicant, and such works must be completed to the satisfaction on the Strategic Executive: Urban and Transport Planning, before a Completion Certificate is approved for the site development.

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All official correspondence must be addressed to the Chief Executive Officer

- 1.1.7 That the Engineer consult the Strategic Executive: Urban and Transport Planning, during the planning stages to ensure that all potential drawbacks in respect of traffic impact and access are addressed before development gets under way.
- 1.1.8 That adequate stacking be accommodated at the entrance (to be informed by the Traffic Impact Assessment (TIA)) before access to any drop-off area or parking facility, to the satisfaction of the Strategic Executive: Urban and Transport Planning.
- 1.1.9 That no parking or access be allowed from the Western Bypass.
- 1.1.10 That the minimum parking requirements for institutions to be provided on-site be as follows:
- 1.1.10.1 For training facilities, auditoriums, stadiums and sport fields: One (1) parking bay for every four (4) seats for a sitting capacity up to sixty (60) and one (1) parking bay for every six (6) seats or part thereof above;
- 1.1.10.2 For universities: One (1) parking bay per classroom and or office plus one (1) parking bay per five (5) students (25 % of student parking must be allocated for public transport/taxis); and
- 1.1.10.3 For all other uses (if not defined as above): One (1) parking bay per 66 m2 floor area.
- 1.1.11 That the applicant construct the taxi rank to the satisfaction of the Strategic Executive: Urban and Transport Planning prior to the submission of the application to the Urban and Regional Planning Board and the approval of any building plan.
- 1.1.12 That the applicant take note of the area along the south western boundary of Erf 1488, ± 5 % of the erf, is affected by the 50 year flood level of the Arebbusch River.
- 1.1.13 That the portion of Erf 1488 that is affected by the 50 year flood level, be subdivided from Erf 1488, and remain private open space (as per the diagram).
- 1.1.14 That no development be allowed within the 50 year flood level of the Arebbusch River or other stormwater courses.
- 1.1.15 That the applicant appoint a Provisional Registered Engineer to do a detailed 50 year flood analysis of the Arebbusch River and other stormwater courses and compile a detailed 50 year flood report, at own cost and risk.
- 1.1.16 That the applicant apply the conditions as stipulated in the detailed 50 year flood report.
- 1.1.17 That the applicant accept the outcome of the detailed 50 year flood report, and if allowed by the flood report, and appoint a Provisional Registered Engineer to submit detailed engineering plans as to how the erf is to be protected against any potential flood damage.
- 1.1.18 That no adjacent or opposite property be negatively affected by the proposed development along the Arebbusch River and other stormwater courses.
- 1.1.19 That any river or stormwater crossing be accommodative of at least a 50 year flood, and that a river crossing be designed by a Provisional Registered Engineer.

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- 1.1.20 That surface stormwater run-off be accommodated according to clause 35 of the Windhoek Town Planning Scheme (see Info 35 of the Town Planning Scheme), stating:
- 1.2.20.1 That no stormwater drainage pipe, canal, work or obstruction (except stormwater drain pipes, canal or work which have been authorised in writing by the local authority or which have been or may be built, laid or erected in terms of any law) be constructed on or over the property or located in such a way that:
 - The flow of stormwater from a higher lying property to a lower lying property is impeded or obstructed and through which any property is or may be endangered; or
 - The flow of a natural watercourse (in which the local authority allow flood water to run-off, be discharged or to be canalised) is or can be changed, canalised or impeded.
- 1.2.20.2 That the maintenance of such stormwater pipe, channel or work be the responsibility of the owner of the concerned property.
- 1.2.21 That prior approval be obtained from the Strategic Executive: Urban and Transport Planning if the accommodation of the stormwater on the erf is contemplated,
- 1.2.22 That engineering drawings on how the stormwater would be accommodated to the satisfaction of the Strategic Executive: Urban and Transport Planning be submitted for approval simultaneously with the building plans.
- 1.2.23 That all existing stormwater pipes, outlets and inlets or any other stormwater system be clearly indicated on all building plans submitted, prior to the approval thereof.
- 1.2.24 That no building plans be approved until the stormwater conditions are met.
- 1.2.25 That a condition for the resale of this property be included in the Title Deed of the erf, whereby transfer to a third party only take place with approval of the City of Windhoek. [Approval will only be granted after the Strategic Executive: Urban and Transport Planning has certified that the stormwater has been accommodated satisfactorily.]
- 1.2.26 That no development be allowed onto or over any stormwater system or structure.
- 1.2.27 That no access be allowed over any stormwater catch pit, stormwater manhole or stormwater structure.
- 1.2.28 That access be according to the conditions as stipulated by the Chief Engineer: Planning, Design and Traffic Flow.
- 1.2.29 That any encroachment of the existing southern boundary wall of Erf 1488 onto Erf 1416 be verified, confirmed and rectified as required.
- 1.2.30 That the applicant confirm whether any roads, stormwater or other services infrastructure will be required to be taken over by the City of Windhoek, and if taking over would be considered, a Development Agreement be entered into with the City of Windhoek

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- 1.2.31 That the roads and stormwater conditions as per Council Resolution 208/08/2011 equally be applicable.
- 1.2.32 That the applicant take note that 3 metre wide sewer servitudes are registered over the sewer lines that are situated on the erf as per Council Resolution 208/08/2011.
- 1.2.33 That the application not include residential developments.
- 1.2.34 That any additional requirements with regard to water and sewer services be for the applicant's account, subject to approval by the Strategic Executive: Infrastructure, Water and Technical Services.
- 1.2.35 That should any municipal electrical infrastructure need to be relocated, lowered, dismantled or replaced as per request received from the applicant, all cost related thereto be for the applicant's account.
- 1.2.36 That only one (1) service connection from the municipal electrical network be allowed per erf and further distribution from the main LV kiosk/board of each erf.
- 1.2.37 That for erven that are zoned 'institutional' and a service connection larger than 3 x 60 ampere is required, the applicant and/or his/her electrical engineering representative contact the Strategic Executive: Electricity, well in advance, during the planning stage, before any building plans have been approved to determine whether the existing electrical network can handle the additional loading or whether a substation building or site is to be provided by the applicant at his/her own cost to incorporate an additional substation.
- 1.2.38 That it be noted that a connection charge may be payable at the cost of the applicant and the applicant is advised to review the Electricity Department Connection Charge Policy, Schedule of Approved Non-Regulated Tariffs and/or to consult directly with the Department of Electricity for information on connection charges.
- 1.2.39 That the applicant submit an Environmental Management Clearance Certificate to the Acting Strategic Executive: Economic Development and Community Services, before the application is submitted to the Ministry of Urban and Rural Planning's Board.

Please further take note that in terms of Section 110 of the Urban and Regional Planning Act, 5 of 2018 any person who is aggrieved by the decision of the local authority may appeal against that decision to the Minister. Notice of the appeal and the grounds for the appeal must be lodged within 21 days from the date of this Notice to the Minister and Local Authority whose decision is the subject of the appeal.

Yours faithfully

Hugo Rust Acting Urban Planner

5. BULK SERVICES AND INFRASTRUCTURE

The following bulk services is already present on the site:

5.1.ACCESS REQUIREMENTS

Access to Erf 1488, Dorado Park is taken from Hercules Street. See below the current accesses to the site:



Figure 10: Access to Project Site from Hercules Street



Figure 11: Another access also from Hercules Street

The following parking requirements is obtained from the Recommendations of the City of Windhoek:

For training facilities, auditorium, stadium and sport fields, one (1) parking bay for every four (4) seats for a sitting capacity up to sixty (60) and one (1) parking bay for every six (6) seats or part thereof above;

For universities, one (1) parking bay per classroom and/or office, plus one (1) parking bay per five (5) students; 25 % of student parking must be allocated for public transport/taxis; and

All other uses (if not defined as above), one (1) parking bay per 66 m² floor area.

5.2. WATER SUPPLY

Water to the Erf is currently supplied directly from the Municipal water reticulation system. Water to any further development will be obtained through the same network as no on-site water resources such as boreholes are available. The necessary water connection to the Erf will be subject to the requirements of the City of Windhoek.

5.3. ELECTRICITY

The City of Windhoek is supplying power to the Erf. The proponent will be responsible for the provision of electricity to the satisfaction of the Municipality for any further development.

5.4.SEWAGE DISPOSAL

The Erf is connected to the City of Windhoek's sewerage reticulation system and the additional buildings will also be connected to the system. There are 3-meter-wide sewer servitudes registered over the sewer lines that are situated on the erf. There are two sewer servitudes registered against Erf 1488, the northern side has a 3-meter-wide servitude crossing the erf and the eastern side has a 3-meter-wide sewer servitude.

5.5. SOLID WASTE

The expected solid waste to be generated by the 'institutional' use can be classified as general municipal waste. The City of Windhoek will be contracted to remove solid waste from the site.

5.6. FIRE PROTECTION

The Proponent will put in the necessary fire protection infrastructure as per City of Windhoek requirements.

5.7.STORMWATER

The following stormwater requirements is obtained from the Recommendations of the City of Windhoek:

The Arebbusch River is flowing into a north westerly direction, flowing along Erven 1416 and R/273, flowing between approximately 6.0 meters and 36.0 meters within the south western boundary of Erf 1488.

There is a stormwater pipe from underneath Gemini Street that discharging stormwater through a stormwater outlet structure, situated along the eastern boundary of Erf 1488, onto Erf 1488, from where the stormwater flows along a defined stormwater course into a north westerly direction, changing direction into a south westerly direction, flowing across the south western boundary of the referred erf.

There is a stormwater pipe along Herculus Street, that discharges stormwater onto Erf 1488 through a stormwater outlet structure situated along the eastern boundary of Erf 1488, from where the stormwater flows along a defined stormwater course

There are other smaller stormwater courses forming in the northern and the southern parts of Erf 1488, flowing into a general north easterly and a general south easterly direction respectively, flowing towards the Arebbusch River.

That no development be allowed within the 50 year flood level of the Arebbusch River or other stormwater courses.

6. APPROACH TO THE STUDY

The assessment included the following activities:

a) Desktop sensitivity assessment

Literature, legislation and guidance documents related to the natural environment and land use activities available on the portion and area in general were reviewed to determine potential environmental issues and concerns.

b) Site assessment (site visit)

The proposed project site and the immediate neighbourhood and surrounding area were assessed through several site visits to investigate the environmental parameters on site to enable further understanding of the potential impacts on site.

c) Public participation

The public was invited to give input, comments and opinions regarding the proposed project. Notices were placed in the Namibian and New Era (see Appendix) on two consecutive weeks (12 and 19 April 2022) inviting public participation and comments on

the proposed project. The closing date for any questions, comments, inputs or information was 6 May 2022.

d) Scoping

Based on the desk top study, site visit and public participation, the environmental impacts were determined in five categories: nature of project, expected duration of impact, geographical extent of the event, probability of occurring and the expected intensity. The findings of the scoping have been incorporated in the environmental impact assessment report below.

e) Environmental Management Plan (EMP)

To minimize the impact on the environment, mitigation measures have been identified to be implemented during planning, construction, and implementation. These measures have been included in the Environmental Management Plan to guide the planning, construction and operation of the development which can also be used by the relevant authorities to ensure that the project is planned, developed, and operated with the minimum impact on the environment.

7. ASSUMPTIONS AND LIMITATIONS

It is assumed that the information provided by the proponent (International University of Management), Plan Africa Town Planning Consultants and City of Windhoek is accurate. No alternative erven for the proposed project were examined. The site was visited several times and any happenings after this are not mentioned in this report. (The assessment was based on the prevailing environmental conditions and not on future happenings on the site.) However, it is assumed that there will be no significant changes to the proposed project, and the environment will not adversely be affected between the compilation of the assessment and the implementation of the proposed activities.

8. ADMINISTRATIVE, LEGAL AND POLICY REQUIREMENTS

To protect the environment and achieve sustainable development, all projects, plans, programs and policies deemed to have adverse impacts on the environment require an EIA according to Namibian legislation. The administrative, legal and policy requirements to be considered during the Environmental Assessment to rezone Erf 1488, Dorado Park (Extension 1) from 'private open space' to 'institutional' are the following:

- The Namibian Constitution
- The Environmental Management Act (No. 7 of 2007)
- The Windhoek Town Planning Scheme and Council's Policies
- Other Laws, Acts, Regulations and Policies

THE NAMIBIAN CONSTITUTION

Article 95 of Namibia's constitution provides that:

"The State shall actively promote and maintain the welfare of the people by adopting, inter alia, policies aimed at the following:

Management of ecosystems, essential ecological processes and biological diversity of Namibia and utilization of living natural resources on a sustainable basis for the benefit of all Namibians, both present and future; in particular, the Government shall provide measures against the dumping or recycling of foreign nuclear and toxic waste on Namibian territory." This article recommends that a relatively high level of environmental protection is called for in respect of pollution control and waste management.

Article 144 of the Namibian Constitution deals with environmental law and it states:

"Unless otherwise provided by this Constitution or Act of Parliament, the general rules of public international agreements binding upon Namibia under this Constitution shall form part of the law of Namibia". This article incorporates international law, if it conforms to the Constitution, automatically as "law of the land". These include international agreements, conventions, protocols, covenants, charters, statutes, acts, declarations, concords, exchanges of notes, agreed minutes, memoranda of understanding, and agreements (Ruppel & Ruppel-Schlichting, 2013). It is therefore important that the international agreements and conventions are considered (see section 4.9).

In considering these environmental rights, International University of Management (the Proponent) should consider the following in devising an action plan in response to these articles:

- Implement a "zero-harm" policy at that would guide decisions.
- Ensure that no management practice or decision result in the degradation of future natural resources.
- Take a decision on how this part of the Constitution will be implemented as part of the Proponent's Environmental Control System (ECS).

ENVIRONMENTAL MANAGEMENT ACT (NO. 7 OF 2007)

The Environmental Impact Assessment Regulations (GN 30 in GG 4878 of 6 February 2012) of the Environmental Management Act (No. 7 of 2007) that came into effect in 2012 requires/recommends that an Environmental Impact Assessment and an Environmental Management Plan (EMP) be conducted for the following listed activities to obtain an Environmental Clearance Certificate:

LAND USE AND DEVELOPMENT ACTIVITIES

5.1 The rezoning of land from:

(d) use for nature conservation or zoned open (perceived as a public space) space to any other land use.

Cumulative impacts associated with the development must be included as well as public consultation. The Act further requires all major industries and mines to prepare waste management plans and present these to the local authorities for approval.

The Act, Regulations, Procedures and Guidelines have integrated the following sustainability principles. These need to be given due consideration, particularly to achieve proper waste management and pollution control:

Cradle to Grave Responsibility

This principle provides that those who handle or manufacture potentially harmful products must be liable for their safe production, use and disposal and that those who initiate potentially polluting activities must be liable for their commissioning, operation and decommissioning.

Precautionary Principle

It provides that if there is any doubt about the effects of a potentially polluting activity, a cautious approach must be adopted.

The Polluter Pays Principle

A person who generates waste or causes pollution must, in theory, pay the full costs of its treatment or of the harm, which it causes to the environment.

Public Participation and Access to Information

In the context of environmental management, citizens must have access to information and the right to participate in decisions making.

CONCLUSION AND IMPACT

Some of the surrounding erven have been cleared from vegetation and structures have been constructed on the sites or are in the process of being constructed. The proposed activity will thus fit in with the surrounding activities and not have a negative impact on the prevailing environment. It will be ensured that all protected trees and plant species will be retained where possible.

THE WINDHOEK TOWN PLANNING SCHEME AND COUNCIL'S POLICIES

The Windhoek Town Planning Scheme (as amended in Windhoek Amendment Scheme No. 96 – promulgated 30 January 2018) applies to the area as indicated on the scheme maps and corresponds with the Townlands Diagram for Windhoek Town and Townlands.

The general purpose of this Scheme is the coordinated and harmonious development of the area of Windhoek (including, where necessary, the reconstruction and redevelopment of any part which has already been subdivided whether there are buildings on it or not) in such a way as will most effectively tend to promote health, safety, order, amenity, convenience and general welfare as well as efficiency and economy in the process of development and improvement of communications, and where it is expedient in order to promote proper planning or development, may provide for the suspending the operation of any provision of law or any bylaw or regulation made under such law, in so far as such provision is similar to or inconsistent with any of the provisions so the Scheme.

In terms of the Town Planning Scheme's provisions as well as other supporting policies, the City of Windhoek supports the proposed uses on the Erf. Council has various Policies guiding the development which was consulted in the assessment process.

CONCLUSION AND IMPACT

The proposed project has been considered under the stipulations of the Windhoek Town Planning Scheme and the Local Authorities Act. The project is in line with City of Windhoek's Town Planning Scheme and will not have a negative impact on the surrounding environment.

OTHER LAWS, ACTS, REGULATIONS AND POLICIES

The laws, acts, regulations, and policies listed below have also been considered during the Environmental Assessment.

Table 1: Laws. Acts, Regulations and Policies

Laws, Acts, Regulations & Policies consulted:		
Electricity Act	In accordance with the Electricity	The Proponent must abide to
(No. 4 of 2007)	Act (No. 4 of 2007) which provides	the Electricity Act.
	for the establishment of the	
	Electricity Control Board and	
	provide for its powers and	
	functions; to provide for the	
	requirements and conditions for	
	obtaining licenses for the provision	
	of electricity; to provide for the	
	powers and obligations of licenses;	
	and to provide for incidental	

	matters: the necessary permits and	
	licenses will be obtained.	
Pollution	The Pollution Control and Waste	The Proponent must adhere to
Control and		
	Management Bill is currently in preparation and is therefore	
Waste	1 -1	Waste Management Bill.
Management	included as a guideline only. Of	
Bill (guideline	reference to the mining, Parts 2, 7	
only)	and 8 apply. Part 2 provides that	
	no person shall discharge or cause	
	to be discharged, any pollutant to	
	the air from a process except	
	under and in accordance with the	
	provisions of an air pollution	
	license issued under section 23.	
	Part 2 also further provides for	
	procedures to be followed in	
	license application, fees to be paid	
	and required terms of conditions	
	for air pollution licenses. Part 7	
	states that any person who sells,	
	stores, transports or uses any	
	hazardous substances or products	
	containing hazardous substances	
	shall notify the competent	
	,	
	authority, in accordance with sub-	
	section (2), of the presence and	
	quantity of those substances. The	
	competent authority for the	
	purposes of section 74 shall	
	maintain a register of substances	
	notified in accordance with that	
	section and the register shall be	
	maintained in accordance with the	
	provisions. Part 8 provides for	
	emergency preparedness by the	
	person handling hazardous	
	substances, through emergency	
	response plans.	
Water	The Water Resources	The Act must be consulted.
Resources	Management Act (No. 11 of 2013)	Fresh water abstraction and
Management	stipulates conditions that ensure	waste-water discharge permits
Act	effluent that is produced to be of a	should be obtained when
	certain standard. There should	required.
	also be controls on the disposal of	
	sewage, the purification of effluent,	
	measures should be taken to	
	ensure the prevention of surface	
	and groundwater pollution and	
	and groundwater polition and	

	water resources should be used in a sustainable manner.	
Solid and Hazardous Waste Management Regulations: Local Authorities	Provides for management and handling of industrial, business and domestic waste.	The Proponent must abide to the solid waste management provisions.
Hazardous Substances Ordinance (No. 14 of 1974)	The Ordinance applies to the manufacture, sale, use, disposal and dumping of hazardous substances, as well as their import and export and is administered by the Minister of Health and Social Welfare. Its primary purpose is to prevent hazardous substances from causing injury, ill-health or the death of human beings.	The Proponent must abide to the Ordinance's provisions.
Atmospheric Pollution Prevention Ordinance of Namibia (No. 11 of 1976)	Part 2 of the Ordinance governs the control of noxious or offensive gases. The Ordinance prohibits anyone from carrying on a scheduled process without a registration certificate in a controlled area. The registration certificate must be issued if it can be demonstrated that the best practical means are being adopted for preventing or reducing the escape into the atmosphere of noxious or offensive gases produced by the scheduled process.	The proponent should adhere to the stipulations of the Atmospheric Pollution Prevention Ordinance.
Nature Conservation Ordinance	The Nature Conservation Ordinance (No. 4 of 1975) covers game parks and nature reserves, the hunting and protection of wild animals, problem animals, fish and indigenous plant species. The Ministry of Environment, Forestry and Tourism (MEFT) administer it and provides for the establishment of the Nature Conservation Board.	The proposed project implementation is not located in a demarcated conservation area, national park or unique environments.
Forestry Act	The Forestry Act (No. 12 of 2001) specifies that there be a general protection of the receiving and	No removal of protected tree species or removal of mature trees should happen. The

	surrounding environment. The	Ministry of Environment,
	protection of natural vegetation is	Forestry and Tourism should
	of great importance, the Forestry	be consulted when required.
	Act especially stipulates that no	
	living tree, bush, shrub or	
	indigenous plants within 100m from	
	any river, stream or watercourse,	
	may be removed without the	
	necessary license.	
EU Timber	Forest Stewardship Council (FSC)	The Proponent is advised to
Regulation:	came into effect in March 2013,	adhere to the regulation.
FSC (2013)	with the aim of preventing sales of	
	illegal timber and timber products	
	in the EU market. Now, any actor	
	who places timber or timber	
	products on the market for the first	
	time must ensure that the timber	
	used has been legally harvested	
	and, where applicable, exported	
	legally from the country of harvest.	
Labour Act	The Labour Act (No. 11 of 2007)	The proponent and contractor
	contains regulations relating to the	should adhere to the Labour
	Health, Safety and Welfare of	Act.
	employees at work. These	
	regulations are prescribed for	
	among others safety relating to	
	hazardous substances, exposure	
	limits and physical hazards.	
	Regulations relating to the Health	
	and Safety of Employees at Work	
	are promulgated in terms of the	
	Labour Act 6 of 1992 (GN156,	
Communal	GG1617 of 1 August 1997). Communal land is land that	Consent should be obtained
Land Rights	belongs to the State and is held in	from Traditional Authorities,
Land Rights	trust for the benefit of the	Communal Boards, Chiefs,
	traditional communities living in	Kings, Queens etc. if required.
	those areas. Communal land	Tangs, Quoens etc. ii required.
	cannot be bought or sold, but one	
	can be given a customary land	
	right or right of leasehold to a part	
	of communal land in accordance	
	with the provisions of the	
	Communal Land Reform Act	
	(No. 5 of 2002) and Communal	
	Land Reform Amendment Act	
	(No. 13 of 2013). The Communal	
	Land Reform Act provide for the	

	allocation of rights in respect of communal land to establish Communal Land Boards to provide for the powers of Chiefs and Traditional Authorities and boards in relation to communal land and to make provision for incidental matters. Consent and access to land for the proposed project should be requested from the relevant traditional authority through the Regional Council and	
Traditional	Regional Communal Land Boards. The Traditional Authorities Act	Traditional Authorities should
Authorities	(No. 17 of 1995) provide for the	be consulted when required.
Act (No. 17 of	establishment of traditional	•
1995)	authorities, the designation and	
	recognition of traditional leaders; to define their functions, duties and	
	powers; and to provide for matters	
	incidental thereto.	
Public and	The Public and Environmental	The proponent and contractor
Environmental	Health Act (No. 1 of 2015) provides	should adhere to the Public
Health Act	with respect to matters of public health in Namibia. The objects of this Act are to: (a) promote public health and wellbeing; (b) prevent injuries, diseases and disabilities; (c) protect individuals and communities from public health risks; (d) encourage community participation in order to create a healthy environment; and (e) provide for early detection of diseases and public health risks.	and Environmental Health Act.
Coronavirus (Covid-19) Pandemic	The current global Coronavirus (Covid-19) pandemic and the associated State of Emergency and health restrictions globally may result in some delays and logistic disruptions. The pandemic might have an impact on obtaining equipment, specialist workforce mobilisation and implementation of the project. The health restrictions may have an impact on campsite set-up, traveling of personal/workers and building of	The proponent, contractor and workforce should adhere to the restrictions and regulations.

	the infrastructure. The proponent, contractor and subcontractors should adhere to all the international, regional and local Covid-19 health restrictions and	
National Heritage Act (No. 27 of 2004)	protocols. All protected heritage resources discovered need to be reported immediately to the National Heritage Council (NHC) and require a permit from the NHC before it may be relocated. This should be applied from the NHC.	The National Heritage Council should be consulted when required.
National Monuments Act of Namibia (No. 28 of 1969) as amended until 1979	No person shall destroy, damage, excavate, alter, remove from its original site or export from Namibia: (a) any meteorite or fossil; or (b) any drawing or painting on stone or a petroglyph known or commonly believed to have been executed by any people who inhabited or visited Namibia before the year 1900 AD; or (c) any implement, ornament or structure known or commonly believed to have been used as a mace, used or erected by people referred to in paragraph; or (d) the anthropological or archaeological contents of graves, caves, rock shelters, middens, shell mounds or other sites used by such people; or (e) any other archaeological or palaeontological finds, material or object; except under the authority of and in accordance with a permit issued under this section.	The proposed site for development is not within any known monument site both movable or immovable as specified in the Act, however in such an instance that any material or sites or archeologic importance are identified, it will be the responsibility of the developer to take the required route and notify the relevant commission.
Public Health Act (No. 36 of 1919)	Under this act, in section 119: "No person shall cause a nuisance or shall suffer to exist on any land or premises owned or occupied by him or of which he is in charge any nuisance or other condition liable to be injurious or dangerous to health."	The proponent will ensure that all legal requirements of the project in relation to protection of the health of their employees and surrounding residents is protected and will be included in the EMP. Relevant protective equipment shall be provided for

		employees in construction.
		The development shall follow
		requirements and
		specifications in relation to
		water supply and sewerage
		handling and solid waste
		management so as not to
		threaten public health of future
		residents on this piece of land.
Soil	The objectives of this Act are to:	Only the area required for the
Conservation	Make provisions for the combating	operations should be cleared
Act (No. 76 of	and prevention of soil erosion;	from vegetation to ensure the
1969)	Promote the conservation,	minimum impact on the soil
,	protection and improvement of the	through clearance for
	soil, vegetation, sources and	construction.
	resources of the Republic;	
Air Quality Act	The Air Quality Act (No. 39 of	The proponent and contractor
(N0. 39 of	2004) intends to provide for	should adhere to the Air
2004)	national norms and standards	Quality Act.
2004)	regulating air quality monitoring,	Quality Act.
	management and control by all	
	,	
	spheres of government; for specific	
	air quality measures; and for	
Vision 2020	matters incidental thereto.	The proposed project is an
Vision 2030	Namibia's overall development	The proposed project is an
and National	ambitions are articulated in the	important element in
Development	Nation's Vision 2030. At the	employment creation.
Plans	operational level, five-yearly	
	national development plans	
	(NDP's) are prepared in extensive	
	consultations led by the National	
	Planning Commission in the Office	
	of the President. Currently the	
	Government has so far launched a	
	4th NDP which pursues three	
	overarching goals for the Namibian	
	nation: high and sustained	
	economic growth; increased	
	income equality; and employment	
	creation.	

CONCLUSION AND IMPACT

It is believed the above administrative, legal and policy requirements which specifically guide and governs development will be followed and complied with in the planning, implementation and operations of the activity.

A flowchart indicating the entire EIA process is shown in the *Figure* below.

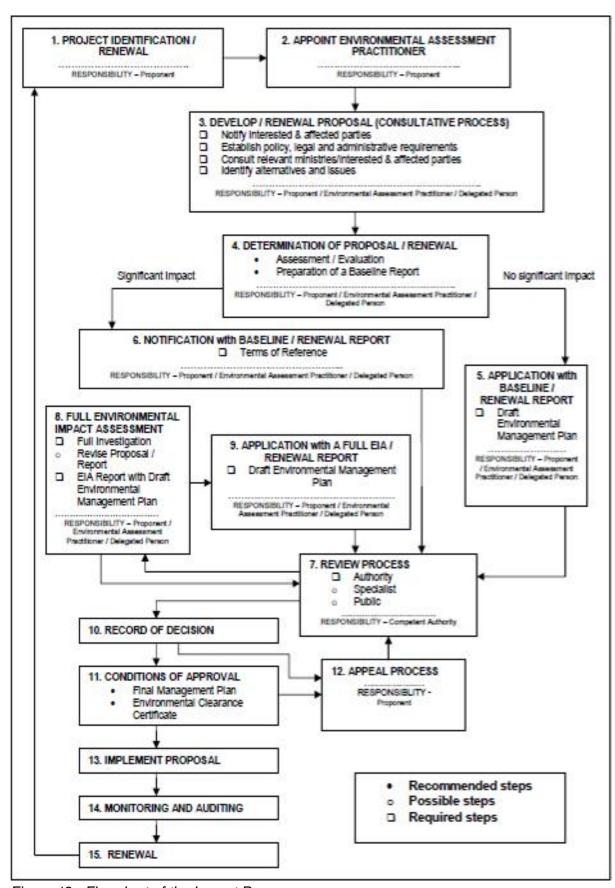


Figure 12: Flowchart of the Impact Process

9. AFFECTED RECEIVING ENVIRONMENT

9.1.BIODIVERSITY AND VEGETATION

Erf 1488, Dorado Park forms part of the Tree and Shrub Savannah Biome (specifically the Highland Savannah). The project site is showing evidence of some human interference namely informal tracks are present and vegetation was cleared on some areas of the site.

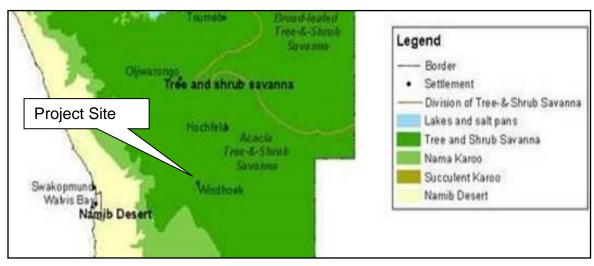


Figure 13: Biomes in Namibia (Atlas of Namibia, 2002)

Only the necessary plants/vegetation will be removed for the construction phase. The natural characteristics of the project site namely the vegetation clearance and the destruction of habitats is expected to further on have a low impact on the environment before the mitigation measures are taken and after the mitigation measures are taken, the impact will be very low.



Figure 14: Limited vegetation present on Project Site

9.2. GEOLOGY AND SOILS

Erf 1488, Dorado Park is located in the Khomas Trough on a geological area classified as Damara Supergroup and Gariep Complex. See Map below:

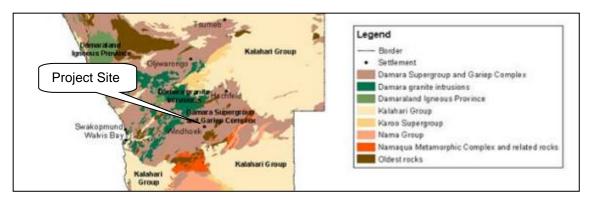


Figure 15: Geology of Namibia (Atlas of Namibia Project, 2002)

The Khomas Trough was formed during sedimentation of the Late Proterozoic Damara Sequence. The basin that was filled by a thick sequence, now preserved as metagreywackes and pelites of the Kuiseb Formation, which were subsequently multiply deformed and thrusted during the Damaran Orogeny. Minor lithologies included are graphite schists, calc-silicates and scapolite schists (*Grunert*, 2003).

The project site is generally even with some higher and lower areas at places. Natural slopes are seen near natural drainage courses on the project site. The soil is suitable for development however the soil is also erodible and should not be cleared unnecessarily from vegetation if not required for the placement of buildings or roads. Unnecessary clearing of soil will lead to erosion (*Grunert*, 2003).

9.3. SOCIO ECONOMIC ENVIRONMENT

The uses surrounding Erf 1488, Dorado Park are all similar. It ranges from residential, business, open spaces and institutional activities. S Erf 1488, Dorado Park is already used by the Proponent it is the further development thereof to be used for institutional purposes will not negatively impact on the receiving environment. Traffic will increase during peak times, but the impact will be small as the site is provided by goof and from the surrounding road network provide by City of Windhoek.

9.4. CLIMATE

No specific climate data is available for Erf 1488, Dorado Park however Windhoek and surroundings in general is characterized with a semi-arid highland savannah climate typified as extremely hot in summer and moderate dry in winter. The highest temperatures are measured in December with an average daily temperature of maximum 31°C and a minimum of 17°C. The coldest temperatures, conversely, are measured in July with an average daily maximum of 20°C and minimum 6°C (*Weather-the Climate in Namibia*, 1998 – 2012). The area therefore has low frost potential.

Rainfall in the form of thunderstorms is experienced in the area during the summer months between October and April. The annual average rainfall for Windhoek and surroundings is 350mm to 400mm however the average evaporation rate is 3 400mm a year (*Weather - the Climate in Namibia*, 1998 – 2012). Over 70% of the rainfall occurs in the in the summer months' period between November and March. Rainfall in the area is typically sporadic and unpredictable however the average highest rainfall months are January to March.

The prevailing wind direction is expected to prevent the spread of any nuisance namely noise and smell. The predominant wind in the region is easterly with westerly winds from September to December (*Weather - the Climate in Namibia*, 1998 – 2012). Extreme winds are experienced in the months of August and September and thus significant wind erosion on disturbed areas is visible.

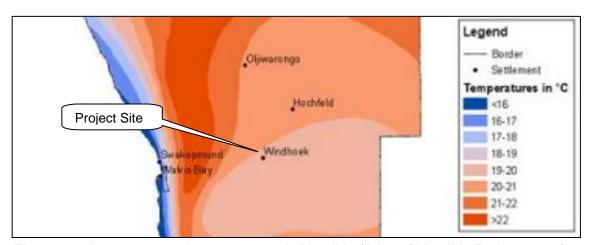


Figure 16: Average annual temperatures in Namibia (Atlas of Namibia Project, 2002)

9.5. HYDROLOGICAL COMPONENT

The area where the project site is located has generally an average groundwater potential from a permeability and yield perspective (*Grunert, 2003*). However, groundwater is one of the important water sources and the protection thereof should be regarded as a high priority. The main uses of water in the area are for business, institutional, industrial and domestic purposes and activities.

Although most of the surface water evaporates, runoff can be expected due to the impermeability of soils (*Grunert*, 2003). The storage and accumulation of substances, which might pollute river courses or basins because of surface water drainage, should be prevented. No potential pollutants should be channelled or directed towards any rivers.

From the hydrological assessment perspective, no major geological structures that will enhance groundwater recharge or flow are evident on the proposed project site and the development that will take place will not pose any long-term negative effects on the hydrological cycle (*Grunert*, 2003).

9.6. CULTURAL HERITAGE

The proposed project site is not known to have any historical significance prior to or after Independence in 1990. The specific area does not have any National Monuments and the specific site has no record of any cultural or historical importance or on-site resemblance of any nature. No graveyard or related article was found on the site.

10. IMPACT ASSESSMENT AND EVALUATION

The Environmental Impact Assessment sets out potential positive and negative environmental impacts associated with the proposed project site which is located on Erf 1488, Dorado Park. The following assessment methodology will be used to examine each impact identified, see *Table* below:

Table 1: Impact Evaluation Criterion (DEAT 2006)

Criteria	Rating (Severity)				
Impact Type	+ Positive				
	0	No Impact			
	-	Negative			
Significance of impact being either	L	Low (Little or no impact)			
3.00	М	Medium (Manageable impacts)			

	н	High (Adverse impact)
--	---	-----------------------

Probability:	Duration:
5 – Definite/don't know	5 - Permanent
4 – Highly probable	4 – Long-term (impact ceases)
3 - Medium probability	3 – Medium term (5 – 15 years)
2 – Low probability	2 - Short-term (0 - 5 years)
1 – Improbable	1 - Immediate
0 - None	
Scale:	Magnitude:
5 – International	10 – Very high/don't know
4 – National	8 - High
3 – Regional	6 - Moderate
2 – Local	4 - Low
1 – Site only	2 - Minor
	0 - None

The impacts on the receiving environment are discussed in the paragraphs below:

10.1. IMPACTS DURING THE CONSTRUCTION ACTIVITY

Some of the impacts that the development will have on the environment includes water will be used for the construction and operation activities, electricity will be used, a sewer system will be constructed and wastewater will be produced on the site that will have to be handled.

10.1.1. WATER USAGE

Water is a scarce resource in Namibia and therefore water usage should be monitored and limited in order to prevent unnecessary wastage. The proposed project might make use of water in its construction phase and operations.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	31					Unmitigated	Mitigated
Water	-	2	2	4	2	L	L

10.1.2. ECOLOGICAL IMPACTS

The proposed infrastructure will be constructed in a semi disturbed natural area which is partly covered with vegetation. Special care should be taken to limit the destruction or damage of the vegetation. However, impacts on fauna and flora are expected to be minimal. Disturbance of areas outside the designated working zone is not allowed.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	71					Unmitigated	Mitigated
Ecology	-	1	2	4	2	L	L

10.1.3. DUST POLLUTION AND AIR QUALITY

Dust generated during the transportation of building materials; construction and installation of bulk services, and problems thereof are expected to be low and site specific due to the fact that most of these roads have already been constructed to be used in the management activities of the site. Dust is expected to be worse during the winter months when strong winds occur. Release of various particulates from the site during the construction phase and exhaust fumes from vehicles and machinery related to the construction of bulk services are also expected to take place. Dust is regarded as a nuisance as it reduces visibility, affects the human health and retards plant growth. It is recommended that regular dust suppression be included in the construction activities, when dust becomes an issue.

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	7.					Unmitigated	Mitigated
Dust & Air Quality	-	2	2	2	2	М	L

10.1.4. NOISE IMPACT

An increase of ambient noise levels at the proposed site is expected due to the construction activities. Noise pollution due to heavy-duty equipment and machinery might be generated. It is not expected that the noise generated during construction will impact any third parties due to the distance of the neighbouring activities. Ensure all mufflers on vehicles are in full operational order; and any audio equipment should not be played at levels considered intrusive by others. The construction staff should be equipped with ear protection equipment.

Impact evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	31					Unmitigated	Mitigated
Noise	-	2	1	4	2	М	L

10.1.5. HEALTH, SAFETY AND SECURITY

The safety, security and health of the labour force, employees and general public are of great importance. Workers should be orientated with the maintenance of safety and health procedures and they should be provided with PPE (Personal Protective Equipment). A health and safety officer should be employed to manage, coordinate and monitor risk and hazard and report all health and safety related issues in the workplace.

Safety issues could arise from the earthmoving equipment and tools that will be used on site during the construction phase. This increases the possibility of injuries and the contractor must ensure that all staff members are made aware of the potential risks of injuries on site. The presence of equipment lying around on site may also encourage criminal activities (theft).

Sensitize operators of earthmoving equipment and tools to switch off engines of vehicles or machinery not being used. The contractor is advised to ensure that the team is equipped with first aid kits and that these are available on site, at all times. Workers should be equipped with adequate personal protective gear and properly trained in first aid and safety awareness.

No open flames, smoking or any potential sources of ignition should be allowed at the project location. Signs such as 'NO SMOKING' must be prominently displayed in parts where inflammable materials are stored on the premises. Proper barricading and/or fencing around the site especially trenches for pipes and drains should be erected to avoid entrance of animals and/or unauthorized persons. Safety regulatory signs should be placed at strategic locations to ensure awareness. Adequate lighting within and around the construction locations should be erected, when visibility becomes an issue.

Impact evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signif	ficance
						Unmitigated	Mitigated
Safety & Security	-	1	2	4	2	М	L

10.1.6. CONTAMINATION OF GROUNDWATER

Care must be taken to avoid contamination of soil and groundwater. Use drip trays when doing maintenance on machinery. Maintenance should be done on dedicated areas with linings or concrete flooring. The risk can be lowered further through proper training of staff. All spills must be cleaned up immediately. Excavations should be backfilled and sealed with appropriate material, if it is not to be used further.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	31					Unmitigated	Mitigated
Groundwater	-	2	2	2	2	М	L

10.1.7. SEDIMENTATION AND EROSION

The area is covered by vegetation. The vegetation is stabilizing the area against wind and water erosion. Vegetation clearance and creation of impermeable surfaces could result in erosion in areas across the proposed area. The clearance of vegetation will further reduce the capacity of the land surface to slow down the flow of surface water, thus decreasing infiltration, and increasing both the quantity and velocity of surface water runoff. The proposed construction activities will increase the number of impermeable surfaces and therefore decrease the amount of groundwater infiltration. As a result, the amount of storm water during rainfall events could increase. If proper storm water management measures are not implemented this will impact negatively on the water courses close to the site.

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	cance
	,					Unmitigated	Mitigated
Erosion and Sedimentation	-	1	2	4	2	М	L

10.1.8. GENERATION OF WASTE

This can be in a form of rubble, cement bags, pipe and electrical wire cuttings. The waste should be gathered and stored in enclosed containers to prevent it from being blown away by the wind. Contaminated soil due to oil leakages, lubricants and grease from the construction equipment and machinery may also be generated during the construction phase.

The oil leakages, lubricants and grease must be addressed. Contaminated soil must be removed and disposed of at a hazardous waste landfill. The contractor must provide containers on-site, to store any hazardous waste produced. Regular inspection and housekeeping procedure monitoring should be maintained by the contractor.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	7.					Unmitigated	Mitigated
Waste	-	1	2	4	2	М	L

10.1.9. CONTAMINATION OF SURFACE WATER

Contamination of surface water might occur through oil leakages, lubricants and grease from the equipment and machinery during the installation, construction and maintenance of bulk services at the site. Oil spills may form a film on water surfaces in the nearby streams causing physical damage to water-borne organisms.

Machinery should not be serviced at the construction site to avoid spills. All spills should be cleaned up as soon as possible. Hydrocarbon contaminated clothing or equipment should not be washed within 25m of any surface water body.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	,,,					Unmitigated	Mitigated
Surface water	-	2	2	4	3	М	L

10.1.10. TRAFFIC AND ROAD SAFETY

All drivers of delivery vehicles and construction machinery should have the necessary driver's licenses and documents to operate these machines. Speed limit warning signs must be erected to minimise accidents. Heavy-duty vehicles and machinery must be tagged with reflective signs or tapes to maximize visibility and avoid accidents.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
						Unmitigated	Mitigated
Traffic	-	2	2	4	3	М	L

10.1.11. FIRES AND EXPLOSIONS

There should be sufficient water available for firefighting purposes. Ensure that all firefighting devices are in good working order and they are serviced. All personnel have to be trained about responsible fire protection measures and good housekeeping such as the removal of flammable materials on site. Regular inspections should be carried out to inspect and test firefighting equipment by the contractor.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Fires and Explosions	-	2	2	4	2	М	L

10.1.12. SENSE OF PLACE

The placement, design and construction of the proposed right of way servitudes should be as such as to have the least possible impact on the natural environment. The proposed activities will not have a large/negative impact on the sense of place in the area since it will be constructed in a manner that will not affect the neighbouring portions and it will not be visually unpleasing.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	,					Unmitigated	Mitigated
Nuisance Pollution	-	1	1	2	2	L	L

10.2. IMPACTS DURING THE OPERATIONAL PHASE

10.2.1.ECOLOGICAL IMPACTS

Staff and visitors should only make use of walkways and existing roads to minimise the impact on vegetation. No firewood may be collected on the site. Minimise the area of

disturbance by restricting movement to the designated working areas during maintenance and drives.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	,,					Unmitigated	Mitigated
Ecology Impacts	-	1	2	4	2	L	L

10.2.2.DUST POLLUTION AND AIR QUALITY

Vehicles transporting goods and staff will contribute to the release of hydrocarbon vapours, carbon monoxide and sulphur oxides into the air. Possible release of sewer odour, due to sewer system failure of maintenance might also occur. All maintenance of bulk services and infrastructure at the project site has to be designed to enable environmental protection.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
	, , , , , , , , , , , , , , , , , , ,					Unmitigated	Mitigated
Dust & Air Quality	-	2	2	4	4	М	L

10.2.3. CONTAMINATION OF GROUNDWATER

Spillages might also occur during maintenance of the sewer system. This could have impacts on groundwater especially in cases of large sewer spills. Proper containment should be used in cases of sewerage system maintenance to avoid any possible leakages. Oil and chemical spillages may have a heath impact on groundwater users. Potential impact on the natural environment from possible polluted groundwater also exits.

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Groundwater	-	2	2	4	2	L	L
contamination							

10.2.4. GENERATION OF WASTE

Household waste from the activities at the site and from the staff working at the site will be generated. This waste will be collected, sorted to be recycled and stored in on site for transportation and disposal at an approved landfill site.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
	,,					Unmitigated	Mitigated
Waste Generation	-	1	2	2	2	М	L

10.2.5. FAILURE IN RETICULATION PIPELINES

There may be a potential release of sewage, stormwater or water into the environment due to pipeline/system failure. As a result, the spillage could be released into the environment and could potentially be health hazard to surface and groundwater. Proper reticulation pipelines and drainage systems should be installed. Regular bulk services infrastructure and system inspection should be conducted.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Failure of Reticulation Pipeline	-	1	1	4	2	М	L

10.2.6. FIRES AND EXPLOSIONS

Food will be prepared on gas fired stoves. There should be sufficient water available for firefighting purposes. Ensure that all fire-fighting devices are in good working order and they are serviced. All personnel have to be trained about responsible fire protection measures and good housekeeping such as the removal of flammable materials on site. Regular inspections should be carried out to inspect and test firefighting equipment by the contractor.

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	,					Unmitigated	Mitigated
Fires and Explosions	-	2	1	4	2	М	L

10.2.7. HEALTH, SAFETY AND SECURITY

The safety, security and health of the labour force, employees and neighbours are of great importance, workers should be orientated with the maintenance of safety and health procedures and they should be provided with PPE (Personal Protective Equipment). Workers should be warned not to approach or chase any wild animals occurring on the site. No open flames, smoking or any potential sources of ignition should be allowed at the project location. Signs such as 'NO SMOKING' must be prominently displayed in parts where inflammable materials are stored on the premises.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Safety & Security	-	1	2	4	2	М	L

10.3. CUMULATIVE IMPACTS

These are impacts on the environment, which results from the incremental impacts of the construction and operation of the proposed project when added to other past, present, and reasonably foreseeable future actions regardless of what person undertakes such other actions. Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time. In relation to an activity, it means the impact of an activity that in it may not become significant when added to the existing and potential impacts resulting from similar of diverse activities or undertakings in the area.

Possible cumulative impacts associated with the proposed project include sewer damages/maintenance, vegetation and animal disturbance, uncontrolled traffic and destruction of the natural environment. These impacts could become significant especially if it is not properly supervised and controlled. This could collectively impact on the environmental conditions in the area. Cumulative impacts could occur in both the operational and the construction phase.

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
	, , , , , , , , , , , , , , , , , , ,					Unmitigated	Mitigated
Cumulative Impacts	-	1	3	4	3	L	L

11. ENVIRONMENTAL MANAGEMENT PLAN

The Environmental Management Plan (EMP) provides management options to ensure impacts of the proposed construction are minimised. An EMP is an environmental management tool used to ensure that undue or reasonably avoidable adverse impacts of the operations are prevented, and the positive benefits of the projects are enhanced.

The objectives of the EMP are:

- ✓ to include all components of the proposed project.
- ✓ to prescribe the best practicable control methods to lessen the environmental impacts associated with the project.
- ✓ to monitor and audit the performance of the project personnel in applying such controls.
- ✓ To ensure that appropriate environmental training is provided to responsible project personnel.

The EMP acts as a document that can be used during the various phases of the proposed project. The contractor as well as the management and staff should be made aware of the contents of the EMP. See Appendix for EMP.

12. CONCLUSION

Based on the fact that projects of this nature require large portions/erven of fairly flat land and given that the surrounding properties are all of a similar use, the activity is not believed to have any negative impacts on the area, nor is it believed to contravene any zoning regulations.

The EIA has been completed in line with the requirements of the Environmental Management Act, 2007 and Regulations and it is concluded and recommended that the specific site identified namely Erf 1488, Dorado Park, has the full potential to be used for the proposed activities. The identified environmental and social impacts can be minimized and managed through implementing preventative measures and sound management systems. It is recommended that the environmental performance be monitored regularly to ensure compliance and that corrective measures be taken if necessary.

In general, the construction and operation of the proposed project would pose limited environmental risks, provided that the EMP for the activity is used properly. The EMP should be used as an onsite tool during the construction and operation of the project. Parties responsible for non-conformances of the EMP should be held responsible for any rehabilitation that has to be undertaken. After assessing all information available on this project, Green Earth Environmental Consultants are of the opinion that the proposed project site is suitable for the proposed activities. The accompanying EMP will focus on mitigation measures that will remediate or eradicate the negative or adverse impacts.

13. RECOMMENDATION

It is therefore recommended that the Ministry of Environment, Forestry and Tourism through the Environmental Commissioner support and approve the Environmental Clearance to finalize the town planning procedures to rezone Erf 1488, Dorado Park (Extension 1) from 'private open space' to 'institutional' and to issue an Environmental Clearance for the following 'Listed Activities':

LAND USE AND DEVELOPMENT ACTIVITIES

- 5.1 The rezoning of land from:
- (d) use for nature conservation or zoned open (perceived as a public space) space to any other land use.

LIST OF REFERENCES

Atlas of Namibia Project, 2002. Directorate of Environmental Affairs, Ministry of Environment, Forestry and Tourism. http://www.unikoeln.de/sfb389/e/e1/download/atlasnamibia/pics/climate/temperature-annual.jpg [accessed: February 19, 2014].

Christelis, G.M. & Struckmeier, W. 2001. Groundwater in Namibia, an Explanation of the Hydrogeological Map. *Ministry of Agriculture, Water and Rural Development*. Windhoek. Namibia, pp 128.

Commencement of the Environmental Management Act, 2012. *Ministry of Environment, Forestry and Tourism*. Windhoek. Namibia, pp. 3 – 22.

Constitution of the Republic of Namibia, 1990. National Legislative Bodies. Namibia, pp. 6 – 63.

DEAT. 2006 Guideline 4: Public Participation in support of the Environmental Impact Assessment Regulations, 2006. Integrated Environmental Management Guideline Series, Department of Environmental Affairs and Tourism (DEAT), Pretoria.

DEAT. 2006 Guideline 5: Assessment of Alternatives and Impacts in support of the Environmental Impact Assessment Regulations, 2006. Integrated Environmental Management Guideline Series, Department of Environmental Affairs and Tourism (DEAT), Pretoria.

Environmental Management Act, 2007. *Ministry of Environment, Forestry and Tourism*. Windhoek. Namibia, pp. 4 - 32.

Forestry Act, 2001. Office of the Prime Minister. Windhoek. Namibia, pp. 9 – 31.

Grunert, N. 2003. Namibia Fascination of Geology: A Travel Handbook. Windhoek. Klaus Hess Publishers. pp. 35 – 38.

Mannheimer, C. & Curtis, B. 2009. *Le Roux and Muller's Guide to the Trees & Shrubs of Namibia*. Windhoek: Macmillan Education Namibia, pp. 249 – 439.

Namibian Environmental Assessment Policy, 1995. *Ministry of Environment, Forestry and Tourism*. Windhoek. Namibia, pp. 3 – 7.

Nature Conservation Ordinance, 1975. Windhoek. Namibia, pp. 4 – 47.

Soil Conservation Act, 1969. Office of the Prime Minister. Windhoek. Namibia, pp. 1 – 14.

Water Resource Management Act, 2004. *Office of the Prime Minister*. Windhoek. Namibia, pp. 6 – 67.

Weather - the Climate in Namibia, 2012. http://www.info-namibia.com/en/info/weather [accessed: June 24, 2013].

APPENDIX A: NEWSPAPER NOTICES



Tel: (061) 2080844 Fax: (061) 220584 Email: Classifieds@nepc.com.na Notices

Services

CALL FOR PUBLIC PARTICIPATION

DAYROMBENTAL MAYOT
AGGERMENT AND
KYPON MENTAL MANAGEMEN
PLAN TO OSTORN AN
ENVIRONMENTAL

Owen Earth Enriconscent Con-ceptants have been appointed to stated to and complete an Enri-romental Injust Assessment and Enriconstall Management Plan (MP) to delike an Enriconscell Charance Codificate as per its regularment of the Enriconscell Management Act (No. 7 of 2007) and the Enriconscell Management Act (No. 7 of 2007) and the Enriconscell Impact (No. 1007) Advances and September (No. 1008) of 427 of 6 February (NO. 1008) of 427 of 6

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Interested and affected parties are hereby insited to register in terms of the assessment process to give input, comments, and opinious regarding the comments, anecognous represents proposed project. A public meeting will be held only if there is enough public interest. Only ISAPs that registered will be sottlied of the possible public meeting to be held.

The last date for comments and/or registration is 6 May 3102. Contact details for registration and

Owen Earth Twi: 00H(273H45



Notices

PUBLIC NOTICE ENVIRONMENTAL IMPACT ASSESSMENT

Stubenrauch Planning Consultants (SPC) hereby give notice to all potentially interested and Affected Parties (ISAPs) that an application will be made to the Environmental Commissioner in terms of the Environmental Management Act (No. 7 of 2007) and the Environmental Impact Assessment [IR e.g. u.l. a.t. in m.s. (G. N. 3006 Februago (1270 rine following).

PROJECT DETAILS: PROJECT DETAILS:

Subdivision, Recorning
and Reservation of
Streets on newly
created portions of the
Remainder of Portion B
of the Farm Lüderitz Town
and Townlands No. 11.

The proponent intends to subdivide the Bamainder of Pottion B of the Farm Lüderitz Town and Town Indra No. 11 into Partices A to E and Remainder. Portions A to D will be rezoned to Parasstatel. Ceneral Business. Local Authority and Flexible Land Tenure land uses respectively with Pottion E and the Remainder reserved as Street.

The Proponent: Lüderitz Town Council

Environmental Assessment Practitioner (EAP): Stubenrauch Planning Consultants(SPC)

I&APs AND SUBMISSION OF COMMENTS:

In line with Namibia's Environments in with a Management Act (No.7 of 2007) and ElA regulations (GN 30 of 6 February 2012), all BAPs are here by invited to register and submit their comments, concerns or questions in concerns or questions in writing via on or before 3 May 2022.

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Notices

Take note that Stabenrasch Planning Consultants on his applied to the Libbertz Teem Counciliaritheads on applying to the Urban and Regional Planning locard on behalf of HABDES Diamond Corporation (Pkp. 126, the registered owners of 687780, Libbertz for the following:

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MAMDES Diamond Corporation (Pty) Ltd has now resolved to set the residential units forming part of the complex located on tin' Pic, Lidents and in so doing processors collects invasidant and Erf 760, Lüdertz and in so doing encourage private investment and property ownership at Lödertz which will then lead to a more

Please take note that the application, locally map and its appointing documents the open for imperior during some of the part of the part

Windhoek Tel.: (001) 251100

The Chief Executive Off Lüderitz Town Council PO Box 19, Lüderitz Our Ref: W/21006



Employment Employment

- Majored in mechanics or machinery engineering: 5 years of experience in elippenhandal assembling industry. Sidiard in elippenhandal assembling machine operation, maintenance, repair; Well communication sidia and isseding ability. Plasmoy at both Chinese and English as working language. Factory Manager: X1 Majored in Eulerhees Management. 4 Years Working Experience in Manafacturing Industry. Well Communication Sidia and Leading Sidia. Plasmoy at both Chinese and English as working language.

Closing date: 29 April 2022 Please sand CVs to: ambler-lee@holmail.com

CLASSIFIED ADVERTISING WINDHOEK



Notices

Take note that thisbenrasch Planning Consultants of his applied to Libertz Son Council and Intents on applied to the Urban and Regional Planning Suero on benefit Ostobal Sylvia Assurptis. So negitimed were of Elit 739, Libertz for the fellowing:

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Further take note that any person-signating to the proposed recording as set out above may helpe such signal bringsher with their grounds thereof, with the Chief Esecutive Officer of the Libberts Town Council and the applicant (SPC) in writing on orbitan Monday 12 May 1917.

Applicant Stabenrasch Planning Consultants pombliggops comma PO Box 41604 Whotheek Whishook Tel.: (801) 251108

The Chief Breceline Littletts Term Coun PO Box 19, Littletts Our Ref: Wil2011

SPC

Legal Notices

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT (EA): ENVIRONMENTAL CLEARANCE CERTIFICATEOR THE PROPOSED EXPLORATION ACTIVITIES ON THE EXCLUSIVE PROSPECTING LICEMSE (EPL) NO. EH. 809 LOCATED BETWEEN OTMAI AND KORBAT IM THE OTJOCOMBURNA REGION

Under the Environmental

Management Act No. 7 of 2007 and its 2012 Environmental Impact Assessment (EIA) Regulators, as Environmental Clearance Certificate (ECC) will be submitted to the will be automitted to me Environmental commissioner. The project is a listed activity that cannot be undertaken without an ECC from the Department of Environmental Affairs and Forestry (DEAF).

Brief Project Description: The proposed prospecting & exploration of Base & Rare Metals, industrial Minerals and Proclass Metal on the 4519, 17 Parties (Mario EM 202), The Precious Metal on the 4519, 17 hectare (he) on EPL 8529. The EPL is located within Kombat and about 23.57 km south-east of Otast in the Objector-lippa Region. The EPL covers farm Nettiles 1752, the farm 1407, Gross Charl 305, Thor 519, Andvord 541, Kupfisherg 517, Bachmustrie 516 6/battise 515.

Proponent: Oliva Mining and Prospecting CC

Environmental Consultant Excel Dynamic Solutions (Pty) Ltd

Members of the public are Mambers of the public are invited to register as Interested and Affected Parties (ISAPs) in order to comment? raise concerns or receive further information on the Environmental Assessment

Public participation meeting will be held on: Date: To be confirmed and communicated with interested and Affected Parties

Time: To be confirmed and runicated with Interested

and Affected Parties Venue:To be confirmed and communicated with Interested

Registration requests and comments shouldbe forwarded to Excel Dynamic Solutions (Pty) Ltd on the contact details below, before or on the 19 April 2002.

Mr. Stee David public@edenamible.com Tet: +264 61 259 530

CONSENT NOTICE

loan in Gobable on Erf 1024, Freedom Square, Damara Block, Epako. The Erfis zoned "office" with measures 9.55m".

Contact: 0814288637 / 0814465430

Notices

Legal Notices IN THE HIGH COURT OF

HELD AT OSHAKATI CASE NO. 1 255/2016 in the matter between:

HATANAEL HASHIMBULI PLAINTIFF and FRANCINA HAUXWE DEFENDANT

HOTICE OF SALE IN EXECUTION

in pursuance of a Judgment of the above Honoratic Court dated 13th of FEBRUARY 2017 and Writ of Breaution dated 27th AUGUST 2005 will be sold in a sale in secucion of the Refiguration, Main Road, Ochakali at 12h00.

- 4. 30 X CHILDRENS
- 5.1 X SEWING MACHINE 6.1 X OVERLOCKER

DATED at OSHAKATI this 1ST day of APRIL 2022.

AHGURA ATTORNEYS Legal Practitioners for Plaintiff: S AINGURA Room 101, Paine Complex Cur of Robert Mugabe & Main Road, OSHAKATI Main Road, OS (Ref: \$16142)

NOTICE OF LOST LAND TITLE NO: 381

CERTAIN: PARM KUNINES NO. 387 MEASURING: 260,9768 SITUATE: REHOBOTH DATED: 19 AUGUST 1991

The poropert of: JOSEPH BAILEY

All persons who object to the issue of such copy are hereby required to lodge their objections in writing with the Registrar within these weeks from the lest publication of this notice.

Dated at WINDHOEK, this 11 day of APRIL 2022

Signature of Applicant: P O Box 16318, Khormandel, Windhoek Tel: No: 061-127 2235

Notices Legal Notices



EXB ELITE AUCTION

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WINDHOEK

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EMARCHMENTAL IMPACT ASSESSMENT AND PUBLIC PARTICIPATION PROCESS

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Project Description: Prospecting of Base and Rare Minist, Climension Stokes, Industrial Minerals, Non-Huckest Fool Minerals, Procious Melals on IEP, 7719

Registration of interested and Affected Parties: I & APs are bindly requested to register and submit withen comments and questes via e-mail. The participation and commenting period is extended to 36 April 2622.

blic Meeting:	
Date:	Timeday . 19 April 2022
Venue	Kemerjeb Wilege Council (Community Hell)
Tirue:	119400

To further information, or to register as an MAP, please contact the Office of the Environmental Assessment Practitioner:

Mis M. Iyumbo Tut: +294 E14965519

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Tombstone Unweiling from N\$200.00 Thank You Messages from N\$200.00 Terms and Conditions

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REPUBLIC OF HAMEIA MINISTRY OF TRADE & BOTICE OF APPLICATION TO A COMMETTEE BY TERMS OF THE LAGOMACT, 688 page department of J. 4. 20; Notice Injure for an application in terms of the Upper Act, 1990, perfolation of sich appear below, williams to the Polybrat Usper Upper department in the Polybrat Upper Department in the Polybrat Upper Department Indiana. PO BOX 200, CT.MM TOWNS Liches to which application from Transport GAMEDING 1900 SE

which Application relates JOHN TJERUNA STREET, OGAAAANAN 6. Date sovehich application will be Lodget: 98-37 8/PRL 2002 7 Date of meeting of Committee at Which application will be heard 69-48/86 2002 Any objection or witten submission in larms of meeting 20 of the Actio

wister to the applicat must be set; or dehend to the Secretary of the Committee to reach the Secretary not less than 31 days before the date of the meeting of the Committee at

Employment

Cell 0816023613

years' old lady looking ir domestic work around Windhoek Contact:

ive in Windhoek. Looking for damestic work full or

Notices

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT (SIA): ENVIRONMENTAL CLEARANCE CREMINCATEFOR THE PROPOSED EXPLORATION ACTIVITIES ON THE EXCLUSIVE PROPERTY TWO EXCLUSIVE PROSPECTING LICENSE (EPL) NO. EPL 8539 LOCATED BETWEEN OTAM AND KOMBAT IN THE OTJOZONDJUPA REGION

MEDICH
Under the Environmental
Management Act No. 7 et 2007
and its 2012 Environmental
inpact Assessment (EIIA)
Regulation, an Environmental
Clearance Certificate (ECC)
will be submitted to the
Environmental constitution.
The project is a finish activity
that cannot be undertaken
without an ECC from the
Department of Environmental
Affairs and Forestly (ECAP).

Barlet Project Description:
The proposed propositing &
exploration of Base A. Bare
A. Barlet Project Description
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Bestel Project Description
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Bachmustle 516 &Badde 515.

Members of the public are invited longisters interested and Affected Pattes (IBAPs) in order to comment asias concerns or receive further information on the Environmental Assessment process.

Public participation meeting will be hald or: Date: To be confirmed and communicated with interested and Affected Parties Time: To be confirmed and communicated with interested and Affected Parties and Affected Parties
Versue:To be confirmed and
communicated with interested
and Affected Parties

Registration requests and comments should be forwarded to Excel Dynamic Solutions (Pty) Ltd on the contact

Mr. Siles David Ernel: public@adanambia.com Tal: + 284 61 259 530

Property

IHS Property Management Namibia

Apply new and get your First Moeth's Rent for FREET Special 2 Bedroom apartments from NSSISO pro-available for motel of Kitatine Court Security Estate, Oshakati.

Contact Mestas on 001 664 2669

Notices

CALL FOR PUBLIC PARTICIPATION/

ENVIRONMENTAL IMPACT
ASSESSMENT AND PLAN TO COTTON AND ENVIRONMENTAL

CLEARANCE FOR THE REZONDO OF ERF 1488, DORADO PARK (EXTENSION 1) FROM PRINKTE OPEN SPACE*

To Waterinstown.

Onese Earth Environmental Con-salbath have been appointed to afford to and couples as Envi-consensatio layer Assessment and Environmental Management Plan (Salbathan as Environmental Classance Gardinals as per the requirements of the Environmental Management Act (No. 7 of 2017) and the Environmental layers As-sessment Engalatines (SH 50) to 00 400 of 45 Pricasary 2013 to receive Environmental Control of the Technologies (SH 50) and the SH 500 of the Pricasary 2013 to receive the layers of the Environmental In-ternal Control of the Con-trol of the Control of the Con-trol of the

Name of proposent The international University

Region. The IDFL covers have supposed to the IDFL covers 5,705/bit in ediect. Lecture halfs have been conservatived on the southern corner of the eff which leaves a large pediect of the eff vascat. The IDM, due to increase in decease of the relative section, attends to construct additional lecture halfs, as endipposes and administrative halfs are consecuted to the construct additional lecture halfs, as endiposes and administrative halfs are consecuted to the translation of the UMA halfs and the consecution of the UMA halfs and the consecution of the UMA halfs and the consecution of the UMA and the consecution of the UMA and the consecution of the UMA and the representation of the Proposed of the Propos The state of the Proposed to consider the State of the Proposed to consider these solidates facilities and 14 MeV (14 MeV) and 14 MeV) and 14 MeV (14 MeV) and 14 MeV) and thus the intention of the Propor

blue mounters. In the mounter of the assumed process to gle input of the assumed process to gle input, comments, and opinion regarding the proposed project. A public meeting public before. Only MAP's that registered will be notified of the possible public meeting to be before the possible public meeting to be baid.

The last date for commerts and/or registration is 6 May 2022. Contact databation registration and further information:

Onese Earth Environmental Conseillants Contact Persons: Charle Du TatliCarles van der Walt Tel: 801(272) 45



Notices

ENVIRONMENTAL SCOPING ASSESSMENT NOTICE TO ALL INTERESTED AND AFFECTED PARTIES

Notice is hereety given to all potentially interested anclination Allocate Interest (IAAP) Interested anclination application will be made to the Environmental Commissioner in terms of the Environmental August (IAAP) and August (IAAP) and IAAP (IAAP) and

Developer: EMESCO Energy Namibia (PTY) Ltd.

Environmental Assessment Practitioner: Urban Green oc

Project Name: Klein Spitchop Solar Energy Park

Project Location: The Pamainder of Potion 2 of Farm Klein Spitiacp No. 153 shueled 20 km north-east of Keetnamboop Town, in the // Katas Region. Project Bedignound and beergighest EME-SCO Evergy project EME-SCO Evergy Scott Power Plant with 66th Power Teamwellsen Lise on a portion of the Reven of Project 2 of the Form Melin Spitsop Pro-150, which will be operated by Noise Spitslerp Soler Energy. The aim of the project in a material to a framework or project EME-SCO Evergy The Scott EME-SCO EVERGY EME-SCOTT EME SCOTT SCOTT EME SCOTT SC

at NamPower's Kokerboom Substation. reognitization of textity and Submission of Comments: In line with the above mentioned logisistion, all IGAPs are hereby invested to regulate and solvent, questions (all bed one in vesting) to the office of Lithan Green covia the details given below. Information on the proposed project is available from the Urban Green or office.

DEADLINE FOR REGISTRATION AND SUBMISSION OF COMMENTS IS 38 APRIL 2022

Contact: Brand van Zyl / Tel.: 061 - 300 820 / Fax: 961 - 481 294 / email: urbangreen@ iweş.ne

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REPUBLIC OF HEMBA MINISTRY OF TRADE & INDUSTRY COMMITTEE BY TERMS OF THE LEGISLACT, 1989. Expandation 41, 94 20) Richos ingless that an application in here of the Lityan-Act, 1989, perchannel of the Disposal Liquid Legislact places below to Committee Legislact Le

applicant SPOPO E.S. BOX 115 KATSMANULLO Name of business or proposed
 Dustress to which applicant relates
 NTULKE UILLUSH BARR

Application will be indiged: Application will be indiged: ANTIBLE MEMORY OF THEIR B. Date consisted application will be Lodged: 10 AFRIL, 2023 7 Date of meeting of Committee at

Notices

NOTICE OF LOST LAND TITLE NO: 381 Notice is hereby given that I, GEOFREY PATRICK BAILEY intend to apply for a certified copy of:

All persons who object to the issue of such copy are hereby required to lodge their objections in writing with the Registrar within three weeks from the last publication of this notice.

Signature of Applicant: P O Box 10318, Khornaedal, Windhoek Tel: No: 001-127 2235

REPUBLIC OF HAMBIA.

MINISTRY OF TRACE & INDUSTRY

NOTICE OF APPLICATION TO A.

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OF THE LIGURA ACT, 1889

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Notices

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ENVIRONMENTAL IMPACT ASSESSMENT (EIA)

INVITATION TO COMMENT / PARTICIPATION

Environmental Impact Assessment (EIA) Study for the design, build, operate Liselo Imigation Farm at Liselo in Zambezi Region



PROPONENT: TULELA AGRICULTURE (PTY) LTD

CENTRE FOR GEOSCIENCES RESEARCH ec has been appointed to undertake an Environmental Impact Assessment (EIA) accordance with the Nambian

The development of linear infrastructure will include building such as the value pump room, a modelment workshop, agriculture implements shade, Seed holding facility, did on a ship of the seed of th

Interested and effected parties are encouraged to negister via enail in order to neceive the Backgoand information Document (BID) to the email below immediately from the date of advert to the email below, for a Public meeting:

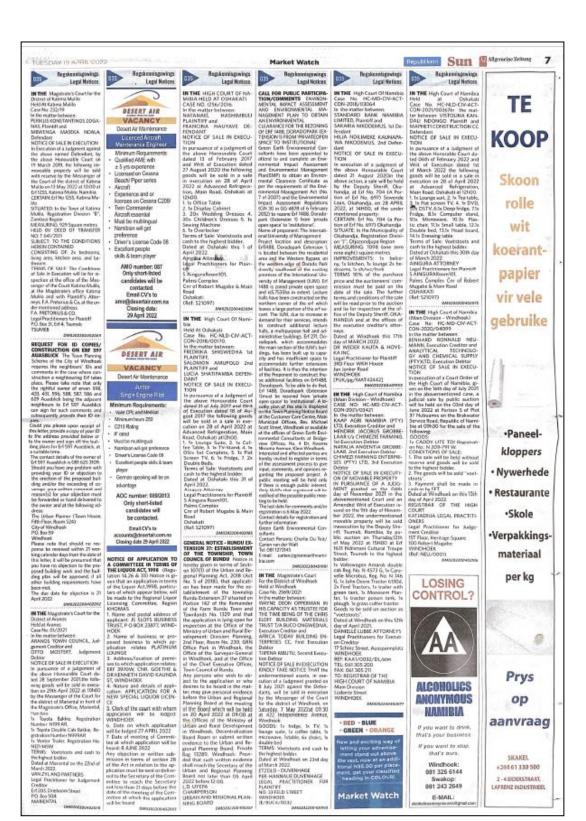
Venue: Liselo Traditional Khuta, Liselo Village , Zambed Region Date: 14º April 2022 Tinee: 10:00 ain to 12:00 pm

Please contact Mr Multite Styamburgo Centrie for Descriptions Research or P.O. Box 314623 Ploneerspark Windhook, Nambia 139A, Bach Street Tel: 691-3071677 Celt: 0850419511 Celt: 0056419511 Email: cepeomam@gmail.com

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APPENDIX B: CURRICULUM VITAE OF CHARLIE DU TOIT

1. Position: Environmental Practitioner

Name/Surname: Charl du Toit
 Date of Birth: 29 October 1960

4. Nationality: Namibian

5. Education: Name of Institution University of Stellenbosch, South Africa

Degree/Qualification Hons B (B + A) in Business

Administration and Management

Reading

Date Obtained 1985-1987

Name of Institution University of Stellenbosch, South Africa

Degree/Qualification BSc Agric Hons (Chemistry, Agronomy

and Soil Science)

Date Obtained 1979-1982

Name of Institution Boland Agricultural High School, Paarl,

South Africa

Degree/Qualification Grade 12
Date Obtained 1974-1978

6. Membership of

EAPAN Member (Membership Number: 112)

Speaking

Professional

Association:

7. Languages:

	. 33					
		English	G	lood	Good	Good
		Afrikaans	G	lood	Good	Good
8.	Employment	<u>From</u>	<u>To</u>	<u>Employer</u>		Position(s) held
	Record:	2009	Present	Green Eart	h	Environmental
				Environme	ntal	Practitioner

2009	Present	Green Earth	Environmentai
		Environmental	Practitioner
		Consultants	
2005	2008	Elmarie Du Toit	Manager
		Town Planning	
		Consultants	
2003	2005	Pupkewitz	General Manager
		Megabuild	
1995	2003	Agra Cooperative	Manager Trade
		Limited	
		Namibia	Chief Agricultural

Writing

1989	1995	Development	Consultant
		Corporation	
		Ministry of	Agricultural
1985	1988	Agriculture	Researcher

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Charl du Toit

APPENDIX C: CURRICULUM VITAE OF CARIEN VAN DER WALT

1. Position: Environmental Consultant

2. Name/Surname: Carien van der Walt

3. Date of Birth: 6 August 1990

4. Nationality: Namibian

5. Education:

Institution	Degree/Diploma	Years	
University of Stellenbosch	B.A. (Degree) Environment and	2009 to 2011	
	Development		
University of South Africa	B.A. (Honours) Environmental	2012 to 2013	
	Management		

6. Membership of Professional Associations:

EAPAN Member (Membership Number: 113)

7. Languages:

Language	Speaking	Reading	Writing	
English	Good	Good	Good	
Afrikaans	Good	Good	Good	

8. Employment Record:

From	То	Employer	Positions Held		
07/2013	Present	Green Earth Environmental Consultants	Environmental		
			Consultant		
06/2012	03/2013	Enviro Management Consultants Namibia	Environmental		
			Consultant		
12/2011	05/2012	Green Earth Environmental Consultants	Environmental		
			Consultant		

9. Detailed Tasks Assigned:

Conducting the Environmental Impact Assessment, Environmental Management Plan, Public Participation, Environmental Compliance and Environmental Control Officer

Certification:

I, the ur	nders	signed, certify th	nat to the	best of my k	nowl	edge and be	lief, tl	nis C'	V corre	ectly describe	:S
myself,	my	qualifications,	and my	experience	. 1	understand	that	any	wilful	misstatemer	nt
describe	ed he	erein may lead t	to my disc	qualification o	or dis	missal, if en	gage.				

Carien van der Walt	

APPENDIX D: ENVIRONMENTAL MANAGEMENT PLAN