



**Western Cape
Government**

Department of Environmental Affairs and
Development Planning

BASIC ASSESSMENT REPORT

THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT NO. 107 OF 1998) AND THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS.

APRIL 2024



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APRIL 2024

(For official use only)	
Pre-application Reference Number (if applicable):	
EIA Application Reference Number:	
NEAS Reference Number:	
Exemption Reference Number (if applicable):	
Date BAR received by Department:	
Date BAR received by Directorate:	
Date BAR received by Case Officer:	

GENERAL PROJECT DESCRIPTION

(This must Include an overview of the project including the Farm name/Portion/Erf number)

**Nieuwe Rust Housing project on erf 182 and 184 on ±3.45ha. Area A = ±0.92ha and Area B ±2.52ha.
Proposed Layout = 91 units (10m x 15m = ±150m²) A = 31 units and B = 60 units.
DEA&DP REFERENCE NUMBER: 16/3/3/1/F3/13/3035/25
DATED JANUARY 2026**

IMPORTANT INFORMATION TO BE READ PRIOR TO COMPLETING THIS BASIC ASSESSMENT REPORT

1. **The purpose** of this template is to provide a format for the Basic Assessment report as set out in Appendix 1 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) ("NEMA"), Environmental Impact Assessment ("EIA") Regulations, 2014 (as amended) in order to ultimately obtain Environmental Authorisation.
2. The Environmental Impact Assessment ("EIA") Regulations is defined in terms of Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) ("NEMA") hereinafter referred to as the "NEMA EIA Regulations".
3. *Submission of documentation, reports and other correspondence:*

The Department has adopted a digital format for corresponding with proponents/applicants or the general public. If there is a conflict between this approach and any provision in the legislation, then the provisions in the legislation prevail. If there is any uncertainty about the requirements or arrangements, the relevant Competent Authority must be consulted.

The Directorate: Development Management has created generic e-mail addresses for the respective Regions, to centralise their administration. Please make use of the relevant general administration e-mail address below when submitting documents:

DEADPEIAAdmin@westerncape.gov.za

Directorate: Development Management (Region 1):
City of Cape Town; West Coast District Municipal area;
Cape Winelands District Municipal area and Overberg District Municipal area.

DEADPEIAAdmin.George@westerncape.gov.za

Directorate: Development Management (Region 3):
Garden Route District Municipal area and Central Karoo District Municipal area

General queries must be submitted via the general administration e-mail for EIA related queries. Where a case-officer of DEA&DP has been assigned, correspondence may be directed to such official and copied to the relevant general administration e-mail for record purposes.

All correspondence, comments, requests and decisions in terms of applications, will be issued to either the applicant/requester in a digital format via email, with digital signatures, and copied to the Environmental Assessment Practitioner ("EAP") (where applicable).

4. The required information must be typed within the spaces provided in this Basic Assessment Report ("BAR"). The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided.
5. All applicable sections of this BAR must be completed.
6. Unless protected by law, all information contained in, and attached to this BAR, will become public information on receipt by the Competent Authority. If information is not submitted with this BAR due to such information being protected by law, the applicant and/or Environmental Assessment Practitioner ("EAP") must declare such non-disclosure and provide the reasons for believing that the information is protected.
7. This BAR is current as of **April 2024**. It is the responsibility of the Applicant/ EAP to ascertain whether subsequent versions of the BAR have been released by the Department. Visit this Department's website at <http://www.westerncape.gov.za> to check for the latest version of this BAR.
8. This BAR is the standard format, which must be used in all instances when preparing a BAR for Basic Assessment applications for an environmental authorisation in terms of the NEMA EIA Regulations when the Western Cape Government Department of Environmental Affairs and Development Planning ("DEA&DP") is the Competent Authority.

9. Unless otherwise indicated by the Department, one hard copy and one electronic copy of this BAR must be submitted to the Department at the postal address given below or by delivery thereof to the Registry Office of the Department. Reasonable access to copies of this Report must be provided to the relevant Organs of State for consultation purposes, which may, if so indicated by the Department, include providing a printed copy to a specific Organ of State.
10. This BAR must be duly dated and originally signed by the Applicant, EAP (if applicable) and Specialist(s) and must be submitted to the Department at the details provided below.
11. The Department's latest Circulars pertaining to the "One Environmental Management System" and the EIA Regulations, any subsequent Circulars, and guidelines must be taken into account when completing this BAR.
12. Should a water use licence application be required in terms of the National Water Act, 1998 (Act No. 36 of 1998) ("NWA"), the "One Environmental System" is applicable, specifically in terms of the synchronisation of the consideration of the application in terms of the NEMA and the NWA. Refer to this Department's Circular EADP 0028/2014: One Environmental Management System.
13. Where Section 38 of the National Heritage Resources Act, 1999 (Act No. 25 of 1999) ("NHRA") is triggered, a copy of Heritage Western Cape's final comment must be attached to the BAR.
14. The Screening Tool developed by the National Department of Environmental Affairs must be used to generate a screening report. Please use the Screening Tool link <https://screening.environment.gov.za/screeningtool> to generate the Screening Tool Report. The screening tool report must be attached to this BAR.
15. Where this Department is also identified as the Licencing Authority to decide on applications under the National Environmental Management: Air Quality Act (Act No. 29 of 2004) ('NEM:AQA"), the submission of the Report must also be made as follows, for-
Waste Management Licence Applications, this report must also (i.e., another hard copy and electronic copy) be submitted for the attention of the Department's Waste Management Directorate (Tel: 021-483-2728/2705 and Fax: 021-483-4425) at the same postal address as the Cape Town Office.

Atmospheric Emissions Licence Applications, this report must also be (i.e., another hard copy and electronic copy) submitted for the attention of the Licensing Authority or this Department's Air Quality Management Directorate (Tel: 021 483 2888 and Fax: 021 483 4368) at the same postal address as the Cape Town Office.

DEPARTMENTAL DETAILS

CAPE TOWN OFFICE: DIRECTORATE: DEVELOPMENT MANAGEMENT (REGION 1) (City of Cape Town, West Coast District, Cape Winelands District & Overberg District)	GEORGE REGIONAL OFFICE: DIRECTORATE: DEVELOPMENT MANAGEMENT (REGION 3) (Central Karoo District & Garden Route District)
<p>The completed Form must be sent via electronic mail to: DEADPEIAAdmin@westerncape.gov.za</p> <p>Queries should be directed to the Directorate: Development Management (Region 1) at: E-mail: DEADPEIAAdmin@westerncape.gov.za Tel: (021) 483-5829</p> <p>Western Cape Government Department of Environmental Affairs and Development Planning Attention: Directorate: Development Management (Region 1) Private Bag X 9086 Cape Town, 8000</p>	<p>The completed Form must be sent via electronic mail to: DEADPEIAAdmin.George@westerncape.gov.za</p> <p>Queries should be directed to the Directorate: Development Management (Region 3) at: E-mail: DEADPEIAAdmin.George@westerncape.gov.za Tel: (044) 814-2006</p> <p>Western Cape Government Department of Environmental Affairs and Development Planning Attention: Directorate: Development Management (Region 3) Private Bag X 6509 George, 6530</p>

MAPS

Provide a location map (see below) as Appendix A1 to this BAR that shows the location of the proposed development and associated structures and infrastructure on the property.	
Locality Map:	<p>The scale of the locality map must be at least 1:50 000. For linear activities or development proposals of more than 25 kilometres, a smaller scale e.g., 1:250 000 can be used. The scale must be indicated on the map. The map must indicate the following:</p> <ul style="list-style-type: none"> an accurate indication of the project site position as well as the positions of the alternative sites, if any; road names or numbers of all the major roads as well as the roads that provide access to the site(s) a north arrow; a legend; and a linear scale. <p>For ocean based or aquatic activity, the coordinates must be provided within which the activity is to be undertaken and a map at an appropriate scale clearly indicating the area within which the activity is to be undertaken.</p> <p>Where comment from the Western Cape Government: Transport and Public Works is required, a map illustrating the properties (owned by the Western Cape Government: Transport and Public Works) that will be affected by the proposed development must be included in the Report.</p>
Provide a detailed site development plan / site map (see below) as Appendix B1 to this BAR; and if applicable, all alternative properties and locations.	
Site Plan:	<p>Detailed site development plan(s) must be prepared for each alternative site or alternative activity. The site plans must contain or conform to the following:</p> <ul style="list-style-type: none"> The detailed site plan must preferably be at a scale of 1:500 or at an appropriate scale. The scale must be clearly indicated on the plan, preferably together with a linear scale. The property boundaries and numbers of all the properties within 50m of the site must be indicated on the site plan. On land where the property has not been defined, the co-ordinates of the area in which the proposed activity or development is proposed must be provided. The current land use (not zoning) as well as the land use zoning of each of the adjoining properties must be clearly indicated on the site plan. The position of each component of the proposed activity or development as well as any other structures on the site must be indicated on the site plan. Services, including electricity supply cables (indicate aboveground or underground), water supply pipelines, boreholes, sewage pipelines, storm water infrastructure and access roads that will form part of the proposed development must be clearly indicated on the site plan. Servitudes and an indication of the purpose of each servitude must be indicated on the site plan. Sensitive environmental elements within 100m of the site must be included on the site plan, including (but not limited to): <ul style="list-style-type: none"> Watercourses / Rivers / Wetlands Flood lines (i.e., 1:100 year, 1:50 year and 1:10 year where applicable);

	<ul style="list-style-type: none"> o Coastal Risk Zones as delineated for the Western Cape by the Department of Environmental Affairs and Development Planning ("DEA&DP"): o Ridges; o Cultural and historical features/landscapes; o Areas with indigenous vegetation (even if degraded or infested with alien species). <ul style="list-style-type: none"> • Whenever the slope of the site exceeds 1:10, a contour map of the site must be submitted. • North arrow <p>A map/site plan must also be provided at an appropriate scale, which superimposes the proposed development and its associated structures and infrastructure on the environmental sensitivities of the preferred and alternative sites indicating any areas that should be avoided, including buffer areas.</p>
Site photographs	Colour photographs of the site that shows the overall condition of the site and its surroundings (taken on the site and taken from outside the site) with a description of each photograph. The vantage points from which the photographs were taken must be indicated on the site plan, or locality plan as applicable. If available, please also provide a recent aerial photograph. Photographs must be attached to this BAR as Appendix C . The aerial photograph(s) should be supplemented with additional photographs of relevant features on the site. Date of photographs must be included. Please note that the above requirements must be duplicated for all alternative sites.
Biodiversity Overlay Map:	A map of the relevant biodiversity information and conditions must be provided as an overlay map on the property/site plan. The Map must be attached to this BAR as Appendix D .
Linear activities or development and multiple properties	GPS co-ordinates must be provided in degrees, minutes and seconds using the Hartebeeshoek 94 WGS84 co-ordinate system. Where numerous properties/sites are involved (linear activities) you must attach a list of the Farm Name(s)/Portion(s)/Erf number(s) to this BAR as an Appendix. For linear activities that are longer than 500m, please provide a map with the co-ordinates taken every 100m along the route to this BAR as Appendix A3 .

ACRONYMS

DEA& DP:	Department of Environmental Affairs and Development Planning
DHS:	Department of Human Settlement
DoA:	Department of Agriculture
DoH:	Department of Health
DWS:	Department of Water and Sanitation
EMPr:	Environmental Management Programme
HWC:	Heritage Western Cape
NFEPA:	National Freshwater Ecosystem Protection Assessment
NSBA:	National Spatial Biodiversity Assessment
TOR:	Terms of Reference
WCBSP:	Western Cape Biodiversity Spatial Plan
WCG:	Western Cape Government

ATTACHMENTS

Note: The Appendices must be attached to the BAR as per the list below. Please use a ✓ (tick) or a x (cross) to indicate whether the Appendix is attached to the BAR.

The following checklist of attachments must be completed.

APPENDIX			✓ (Tick) or x (cross)
Appendix A:	Maps		
	Appendix A1:	Locality Map	✓
	Appendix A2:	Coastal Risk Zones as delineated in terms of ICMA for the Western Cape by the Department of Environmental Affairs and Development Planning	X NA
	Appendix A3:	Map with the GPS co-ordinates for linear activities	X NA
Appendix B:	Appendix B1:	Site development plan(s)	✓
	Appendix B2	A map of appropriate scale, which superimposes the proposed development and its associated structures and infrastructure on the environmental sensitivities of the preferred site, indicating any areas that should be avoided, including buffer areas;	X NA
Appendix C:	Photographs		✓
Appendix D:	Biodiversity overlay map		✓
Appendix E:	Permit(s) / license(s) / exemption notice, agreements, comments from State Department/Organs of state and service letters from the municipality.		
	Appendix E1:	Final comment/ROD from HWC	✓
	Appendix E2:	Copy of comment from Cape Nature	Comments will be included in the Appendix F Comments and Response report once received and before final is submitted.
	Appendix E3:	Final Comment from the DWS	Comments will be included in the Appendix F Comments and Response report once received and before final is submitted.

	Appendix E4:	Comment from the DEA: Oceans and Coast	NA
	Appendix E5:	Comment from the DAFF	NA
	Appendix E6:	Comment from WCG: Transport and Public Works	NA
	Appendix E7:	Comment from WCG: DoA	NA
	Appendix E8:	Comment from WCG: DHS	NA
	Appendix E9:	Comment from WCG: DoH	NA
	Appendix E10:	Comment from DEA&DP: Pollution Management	Comments will be included in the Appendix F Comments and Response report once received and before final is submitted.
	Appendix E11:	Comment from DEA&DP: Waste Management	Comments will be included in the Appendix F Comments and Response report once received and before final is submitted.
	Appendix E12:	Comment from DEA&DP: Biodiversity	NA
	Appendix E13:	Comment from DEA&DP: Air Quality	NA
	Appendix E14:	Comment from DEA&DP: Coastal Management	NA
	Appendix E15:	Comment from the local authority	Comments will be included in the Appendix F Comments and Response report once received

			and before final is submitted.
	Appendix E16:	Confirmation of all services (water, electricity, sewage, solid waste management)	✓
	Appendix E17:	Comment from the District Municipality	Comments will be included in the Appendix F Comments and Response report once received and before final is submitted.
	Appendix E18:	Copy of an exemption notice	NA
	Appendix E19	Pre-approval for the reclamation of land	NA
	Appendix E20:	Proof of agreement/TOR of the specialist studies conducted.	NA
	Appendix E21:	Proof of land use rights	NA
	Appendix E22:	Proof of public participation agreement for linear activities	NA
Appendix F:	Public participation information: including a copy of the register of I&APs, the comments and responses Report, proof of notices, advertisements and any other public participation information as is required.		✓
Appendix G:	Specialist Report(s)		✓
Appendix H:	EMPr		✓
Appendix I:	Screening tool report and Site Sensitivity Verification Report		✓
Appendix J:	The impact and risk assessment for each alternative		✓
Appendix K:	Need and desirability for the proposed activity or development in terms of this Department's guideline on Need and Desirability (March 2013)/DEA Integrated Environmental Management Guideline		X
Appendix L: Other	Services report Heritage Western Cape NID Rezoning motivation report		✓

SECTION A: ADMINISTRATIVE DETAILS

Highlight the Departmental Region in which the intended application will fall	CAPE TOWN OFFICE: REGION 1		GEORGE OFFICE: REGION 3
	(City of Cape Town, West Coast District)	(Cape Winelands District & Overberg District)	(Central Karoo District & Garden Route District)
Duplicate this section where there is more than one Proponent Name of Applicant/Proponent: Name of contact person for Applicant/Proponent (if other): Company/ Trading name/State Department/Organ of State: Company Registration Number: Postal address: Telephone: E-mail:	Matzikama Municipality		
	Municipal Manager		
	Matzikama Municipality		
	NA		
	P.O. Box 98		
	Vredendal		Postal code: 8160
	027 201 3300		Cell: NA
	munman@matzikama.gov.za		Fax: NA
	Company of EAP: Enviro-EAP (Pty) Ltd		
	EAP name: Nicolaas Hanekom		
Postal address: PO Box 205			
Agulhas		Postal code: 7287	
Telephone: () NA		Cell: 0769636450	
E-mail: admin@enviro-eap.co.za		Fax: () NA	
Qualifications: M.Tech Nature Conservation. Cape Peninsula University of Technology. EMS ISO 14001. North West University Environmental Audit ISO 19011. North West University			
EAP registration no: 2020/1146			
Duplicate this section where there is more than one landowner Name of landowner: Name of contact person for landowner (if other): Postal address: Telephone: E-mail:	Same as proponent		
	Postal address:		
			Postal code:
	Telephone: ()		Cell:
	E-mail:		Fax: ()
Name of Person in control of the land: Name of contact person for person in control of the land: Postal address: Telephone: E-mail:	Same as proponent		
	Postal address:		
			Postal code:
	Telephone: ()		Cell:
	E-mail:		Fax: ()
Duplicate this section where there is more than one Municipal Jurisdiction Municipality in whose area of jurisdiction the proposed activity will fall: Contact person: Postal address: Telephone: E-mail:	Matzikama Municipality		
	Municipal Manager		
	P.O. Box 98,		
	Vredendal		Postal code: 8160
	+27(0) 27 201 3300		Cell: NA
	munman@matzikama.gov.za		Fax: NA

4.4.	<p>Provide a detailed description of the proposed development and its associated infrastructure (This must include details of e.g. buildings, structures, infrastructure, storage facilities, sewage/effluent treatment and holding facilities).</p> <p>The development of the housing infrastructure and the road wider than 4m will result in the clearing of more than 1h of disturbed Namaqualand Heuweltjieveld or Southern Namaqualand Quartzite Klipkoppe Shrubland which does not represent the vegetation structure of these vegetation types. However, some parts top soil was not legally disturbed the last 10 years and therefore it contains indigenous vegetation in terms of the definitions of the NEMA EIA regulations 2014, as amended.</p> <p>Nieuwe Rust Housing project on erf 182 and 184 on ±3.45ha. Area A = ±0.92ha and Area B ±2.52ha. Proposed Layout = 91 units (10m x 15m = ±150m²) A = 31 units and B = 60 units, total 91 units. The southern portion of Erf 184 is zoned undetermined. The rest of erf 184 to the north and erf 182 is zoned Residential, but was not serviced or used for residential purposes to date. The development of the infrastructure and erven will impact on areas that was used for agricultural purposes on or after 01 April 1998. Areas of more than 1 ha containing indigenous vegetation (because the topsoil was not legally disturbed the last 10 years), although in an poor ecological state will be cleared as well as roads wider than 4m will be constructed over these indigenous vegetation areas and because of the fact that the property does not have residential or urban services and zone undetermined, it is considered to be outside urban areas (although inside urban edge as per the current SDF).</p> <p>Water Portions A & B will require new internal reticulation networks, which will be 90mm diameter uPVC Class 12 pipes and will connect to the existing water mains in Olyf Street (Portion A) and Arcarcia Street (Portion B). Valves and hydrants will be provided at suitable positions.</p> <p>Sewer The internal network will be 160 mm diameter class 34 uPVC pipes with 110 mm diameter erf connections.</p> <p>Stormwater Stormwater from Erf 184 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. The southern section of Erf 182 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. A small area of the development stormwater will be collected in stormwater pipe infrastructure in road reserves and release to the north east in a stormwater pond with a 1:50 year flood overflow release into the surrounding area which will allow for when stormwater is release to seep through the cultivated land towards the non-perennial river.</p> <p>Roads The new roads for Portions A and B will connect to the existing Olyf Street and Arcarcia Street respectively. The new internal roads will consist of a combination of premix and paved surfaces and will be 10m and 8 m wide, but not longer than 1km. All reticulation services will be installed next to the road in sidewalks.</p>																																														
4.5.	Indicate how access to the proposed site(s) will be obtained for all alternatives.																																														
Off existing Olyf Street and Arcarcia Street																																															
4.6.	<table border="1"> <tr> <td data-bbox="268 1550 512 1682">SG Digit code(s) of the proposed site(s) for all alternatives:</td> <td data-bbox="512 1550 539 1682">C</td> <td data-bbox="539 1550 566 1682">0</td> <td data-bbox="566 1550 593 1682">7</td> <td data-bbox="593 1550 620 1682">8</td> <td data-bbox="620 1550 647 1682">0</td> <td data-bbox="647 1550 675 1682">0</td> <td data-bbox="675 1550 702 1682">0</td> <td data-bbox="702 1550 729 1682">0</td> <td data-bbox="729 1550 756 1682">6</td> <td data-bbox="756 1550 783 1682">0</td> <td data-bbox="783 1550 810 1682">0</td> <td data-bbox="810 1550 837 1682">0</td> <td data-bbox="837 1550 865 1682">0</td> <td data-bbox="865 1550 892 1682">0</td> <td data-bbox="892 1550 919 1682">1</td> <td data-bbox="919 1550 946 1682">8</td> <td data-bbox="946 1550 973 1682">2</td> <td data-bbox="973 1550 1000 1682">0</td> <td data-bbox="1000 1550 1027 1682">0</td> <td data-bbox="1027 1550 1054 1682">0</td> <td data-bbox="1054 1550 1082 1682">0</td> <td data-bbox="1082 1550 1109 1682">0</td> </tr> <tr> <td data-bbox="268 1682 512 1724"></td> <td data-bbox="512 1682 539 1724">C</td> <td data-bbox="539 1682 566 1724">0</td> <td data-bbox="566 1682 593 1724">7</td> <td data-bbox="593 1682 620 1724">8</td> <td data-bbox="620 1682 647 1724">0</td> <td data-bbox="647 1682 675 1724">0</td> <td data-bbox="675 1682 702 1724">0</td> <td data-bbox="702 1682 729 1724">6</td> <td data-bbox="729 1682 756 1724">0</td> <td data-bbox="756 1682 783 1724">0</td> <td data-bbox="783 1682 810 1724">0</td> <td data-bbox="810 1682 837 1724">0</td> <td data-bbox="837 1682 865 1724">0</td> <td data-bbox="865 1682 892 1724">1</td> <td data-bbox="892 1682 919 1724">8</td> <td data-bbox="919 1682 946 1724">4</td> <td data-bbox="946 1682 973 1724">0</td> <td data-bbox="973 1682 1000 1724">0</td> <td data-bbox="1000 1682 1027 1724">0</td> <td data-bbox="1027 1682 1054 1724">0</td> <td data-bbox="1054 1682 1082 1724">0</td> <td data-bbox="1082 1682 1109 1724">0</td> </tr> </table>	SG Digit code(s) of the proposed site(s) for all alternatives:	C	0	7	8	0	0	0	0	6	0	0	0	0	0	1	8	2	0	0	0	0	0		C	0	7	8	0	0	0	6	0	0	0	0	0	1	8	4	0	0	0	0	0	0
SG Digit code(s) of the proposed site(s) for all alternatives:	C	0	7	8	0	0	0	0	6	0	0	0	0	0	1	8	2	0	0	0	0	0																									
	C	0	7	8	0	0	0	6	0	0	0	0	0	1	8	4	0	0	0	0	0	0																									
4.7.	Coordinates of the proposed site(s) for all alternatives:																																														
	Latitude (S)	31°		08'		45.05"																																									
	Longitude (E)	18°		21'		07.56"																																									

SECTION C: LEGISLATION/POLICIES AND/OR GUIDELINES/PROTOCOLS

1. Exemption applied for in terms of the NEMA and the NEMA EIA Regulations

Has exemption been applied for in terms of the NEMA and the NEMA EIA Regulations. If yes, include a copy of the exemption notice in Appendix E18.	YES	NO
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2. Is the following legislation applicable to the proposed activity or development.

The National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008) ("ICMA"). If yes, attach a copy of the comment from the relevant competent authority as Appendix E4 and the pre-approval for the reclamation of land as Appendix E19.	YES	NO
The National Heritage Resources Act, 1999 (Act No. 25 of 1999) ("NHRA"). If yes, attach a copy of the comment from Heritage Western Cape as Appendix E1.	YES	NO
The National Water Act, 1998 (Act No. 36 of 1998) ("NWA"). If yes, attach a copy of the comment from the DWS as Appendix E3.	YES	NO
The National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004) ("NEM:QA"). If yes, attach a copy of the comment from the relevant authorities as Appendix E13.	YES	NO
The National Environmental Management Waste Act (Act No. 59 of 2008) ("NEM:WA")	YES	NO
The National Environmental Management Biodiversity Act, 2004 (Act No. 10 of 2004 ("NEMBA").	YES	NO
The National Environmental Management: Protected Areas Act, 2003 (Act No. 57 of 2003) ("NEMPAA").	YES	NO
The Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983). If yes, attach comment from the relevant competent authority as Appendix E5.	YES	NO

3. Other legislation

List any other legislation that is applicable to the proposed activity or development.		
LEGISLATION	ADMINISTERING AUTHORITY and how it is relevant to this application	TYPE Permit/license/authorisation/comment / relevant consideration
Constitution of the Republic of South Africa, 1996	General application to individual rights of all on and adjacent to the sites.	Public Participation Process to be conducted
National Environmental Management Act, 1998 (Act No. 107 of 1998) [NEMA] and relevant regulations	Western Cape Department of Environmental Affairs and Development Planning	Environmental Authorisation Application
National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) [NEMWA] and relevant regulations	Department of Environmental Affairs	Waste management requirements.
National Environmental Management: Biodiversity Act 10 of 2004 [NEMBA]	Western Cape Department of Environmental Affairs and Development Planning	N/A
National Water Act, 1998 (Act No. 36 of 1998) [NWA] and relevant regulations	Department of Water Affairs	N/A
Conservation of Agricultural Resources Act, 43 of 1983 [CARA]	National Department of Agriculture, forestry and Fisheries Western Cape Department of Agriculture	N/A
National Health Act, 61 of 2003 [NHA]		N/A
Fencing Act, 31 of 1963 [FA]		N/A

National Building Regulations and Building Standards Act 103 of 1977 [NBRBSA] and relevant regulations		N/A
National Heritage Resources Act 25 of 1999 [NHRA]	Heritage Western Cape South African Heritage Resource Agency	NID
National Veld and Forest Fire Act 101 of 1998 [NVFFA]		N/A
Fertilizers, Farm Feeds, Agricultural Remedies And Stock Remedies Act, 36 Of 1947 [FFFARSRA] and Relevant Regulations	National Department of Agriculture, forestry and Fisheries Western Cape Department of Agriculture	N/A
Western Cape Noise Control Regulations [P.N. 200/2003]		NA
Section 42 of Spatial Planning and Land Use Management Act (16 of 2013) ("SPLUMA")	Matzikama Municipality	NA
Western Cape Land Use Planning Act, 2014 ("LUPA")	Matzikama Municipality	NA

4. Policies

Explain which policies and by-laws were considered and how the proposed activity or development complies and responds to these policies.		
POLICY/BY-LAW	ADMINISTERING AUTHORITY and how it is relevant to this application	TYPE Permit/license/authorisation/comment / relevant consideration
Matzikama Municipality Spatial Development Framework	Matzikama Municipality	Rezoning required
Matzikama Municipality Spatial Development Framework	Matzikama Municipality	Rezoning required

5. Guidelines

List the guidelines which have been considered relevant to the proposed activity or development and explain how they have influenced the development proposal.		
GUIDELINES	ADMINISTERING AUTHORITY and how it is relevant to this application	TYPE Permit/license/authorisation/comment / relevant consideration
Guideline on Public Participation	Western Cape Department of Environmental Affairs and Development Planning	The public participation guideline is used to determine the requirements in terms of implementing the public participation process during the basic assessment process to be conducted. The guideline was also used to determine the most effective communication strategies for public participation.
Guidelines on Alternatives	Western Cape Department of	The guidelines for alternatives assessment was used to develop a methodology for alternatives

	Environmental Affairs and Development Planning	assessment. This methodology was applied to determine and assess the most viable alternatives to the project. The assessment was undertaken against the baseline environment (i.e. the no-go option).
Guideline on Need and desirability	Western Cape Department of Environmental Affairs and Development Planning	The guideline was taken into account to determine whether the project complied according to the concept of Best Practicable Environmental Option as well as environmental and social sustainability.
Guideline for EMP's	Western Cape Department of Environmental Affairs and Development Planning	The guideline for EMP's was taken into account to determine the most effective minimize, mitigation and management measures to minimise or prevent the potential environmental impacts identified during the basic assessment process
Guideline for Specialist Reports	Western Cape Department of Environmental Affairs and Development Planning	The guideline for the specialists reports were provided to the appointed specialist for compliance when compiling a specialist report.

6. Protocols

<p>Explain how the proposed activity or development complies with the requirements of the protocols referred to in the NOI and/or application form</p> <p>The following protocols as included in the NOI is still applicable and was implemented in the specialist reports Terms of References as attached under Appendix G.</p> <p>The protocol Published in Government Notice No. 1150 GOVERNMENT GAZETTE 43855 30 October 2020. Published in Government Notice No. Government Notice No. 320, Government Gazette 43110: 20 March 2020. These gazettes are also available free online at www.gpwonline.co.za) provides the criteria for the reporting of requirements for the assessment and reporting of impacts as identified in the Environmental Screening tool report.</p> <p>Terrestrial Biodiversity - PROTOCOL FOR THE SPECIALIST ASSESSMENT AND MINIMUM REPORT CONTENT REQUIREMENTS FOR ENVIRONMENTAL IMPACTS ON TERRESTRIAL BIODIVERSITY. Published in Government Notice No. 320 GOVERNMENT GAZETTE 43110 20 MARCH 2020.</p> <p>Terrestrial Biodiversity Assessment – Compliance Statement in terms of the protocols will be conducted by Nicolaas Hanekom.</p> <p>Aquatic Biodiversity - PROTOCOL FOR THE SPECIALIST ASSESSMENT AND MINIMUM REPORT CONTENT REQUIREMENTS FOR ENVIRONMENTAL IMPACTS ON AQUATIC BIODIVERSITY. Published in Government Notice No. 320 GOVERNMENT GAZETTE 43110 20 MARCH 2020</p> <p>Aquatic Biodiversity Assessment – Compliance Statement in terms of the protocols will be conducted by Nicolaas Hanekom.</p> <p>Plant Species - PROTOCOL FOR THE SPECIALIST ASSESSMENT AND MINIMUM REPORT CONTENT REQUIREMENTS FOR ENVIRONMENTAL IMPACTS ON PLANT SPECIES. Published in Government Notice No. 1150 GOVERNMENT GAZETTE 43855 30 OCTOBER 2020</p> <p>Plant Species Impact Assessment – No plant species of conservation concern were observed on the site during the time of the survey. Compliance Statement in terms of the protocols will be conducted by Nicolaas Hanekom.</p> <p>Animal Species - PROTOCOL FOR THE SPECIALIST ASSESSMENT AND MINIMUM REPORT CONTENT REQUIREMENTS FOR ENVIRONMENTAL IMPACTS ON ANIMAL SPECIES. Published in Government Notice No. 1150 GOVERNMENT GAZETTE 43855 30 OCTOBER 2020</p> <p>Animal Species Impact Assessment – No animal species of conservation concern were observed on the site during the time of the survey. Compliance Statement in terms of the protocols will be conducted by Nicolaas Hanekom.</p> <p>Please see attached Site Sensitivity report for more detail.</p>

SECTION D: APPLICABLE LISTED ACTIVITIES

List the applicable activities in terms of the NEMA EIA Regulations

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 1	Describe the portion of the proposed development to which the applicable listed activity relates.
12	<p>The development of—</p> <p>(i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or</p> <p>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</p> <p>where such development occurs—</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse—</p> <p>excluding—</p> <p>(aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p> <p>(bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such development occurs within an urban area;</p> <p>(ee) where such development occurs within existing roads, road reserves or railway line reserves; or</p> <p>(ff) the development of temporary infrastructure or structures where such infrastructure or structures will be removed within 6 weeks of the commencement of the development and where indigenous vegetation will not be cleared.</p>	<p>A portion of erf 182 northern development and stormwater infrastructure, which is bigger than 100 square meters is located within the 32m buffer area of the mapped non-perennial river.</p>
27	<p>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Not applicable to erf 182. However applicable to erf 184. More than 1ha of indigenous vegetation will be cleared.</p>
28	<p>Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture,</p>	<p>The development is on erf but outside urban area and is bigger than 1ha. Parts of the property</p>

	game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development— (i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare; excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.	currently used for grazing by local residents goats and livestock.
Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 3	Describe the portion of the proposed development to which the applicable listed activity relates.
4	The development of a road wider than 4 metres with a reserve less than 13,5 metres. (i) Western Cape (i) Areas zoned for use as public open space or equivalent zoning; (ii) Areas outside urban areas; (aa) Areas containing indigenous vegetation; (bb) Areas on the estuary side of the development setback line or in an estuarine functional zone where no such setback line has been determined; or (iii) Inside urban areas: (aa) Areas zoned for conservation use; or (bb) Areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority.	The new roads for Portions A and B will connect to the existing Olyf Street and Acacia Street respectively. The new internal roads will consist of a combination of premix and paved surfaces and will be 10m and 8 m wide, but not longer than 1km.
Activity No(s):	Provide the relevant Scoping and EIR Activity(ies) as set out in Listing Notice 2	Describe the portion of the proposed development to which the applicable listed activity relates.
NA		
Note: <ul style="list-style-type: none"> Only those activities listed above shall be considered for authorisation. The onus is on the Applicant to ensure that all applicable listed activities are included in the application. Environmental Authorisation must be obtained prior to commencement with each applicable listed activity. If a specific listed activity is not included in an Environmental Authorisation, a new application for Environmental Authorisation will have to be submitted. The Minister responsible for mineral resources is the Competent Authority to deal with all applications where the listed or specified activity is directly related to- <ul style="list-style-type: none"> (a) prospecting or exploration of a mineral or petroleum resource; or (b) extraction and primary processing of a mineral or petroleum resource. 		

List the applicable waste management listed activities in terms of the NEM:WA

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Category A	Describe the portion of the proposed development to which the applicable listed activity relates.
NA		

List the applicable listed activities in terms of the NEM:AQA

Activity No(s):	Provide the relevant Listed Activity(ies)	Describe the portion of the proposed development to which the applicable listed activity relates.
NA		

SECTION E: PLANNING CONTEXT AND NEED AND DESIRABILITY

1.	Provide a description of the preferred alternative.
<p>The development of the housing infrastructure and the road wider than 4m will result in the clearing of more than 1h of disturbed Namaqualand Heuweltjieveld or Southern Namaqualand Quartzite Klipkoppe Shrubland which does not represent the vegetation structure of these vegetation types. However, some parts top soil was not legally disturbed the last 10 years and therefore it contains indigenous vegetation in terms of the definitions of the NEMA EIA regulations 2014, as amended.</p> <p>Nieuwe Rust Housing project on erf 182 and 184 on ±3.45ha. Area A = ±0.92ha and Area B ±2.52ha. Proposed Layout = 91 units (10m x 15m = ±150m²) A = 31 units and B = 60 units, total 91 units. The southern portion of Erf 184 is zoned undetermined. The rest of erf 184 to the north and erf 182 is zoned Residential, but was not serviced or used for residential purposes to date. The development of the infrastructure and erven will impact on areas that was used for agricultural purposes on or after 01 April 1998. Areas of more than 1 ha containing indigenous vegetation (because the topsoil was not legally disturbed the last 10 years), although in an poor ecological state will be cleared as well as roads wider than 4m will be constructed over these indigenous vegetation areas and because of the fact that the property does not have residential or urban services and zone undetermined, it is considered to be outside urban areas (although inside urban edge as per the current SDF).</p> <p>Water Portions A & B will require new internal reticulation networks, which will be 90mm diameter uPVC Class 12 pipes and will connect to the existing water mains in Olyf Street (Portion A) and Arcarcia Street (Portion B). Valves and hydrants will be provided at suitable positions.</p> <p>Sewer The internal network will be 160 mm diameter class 34 uPVC pipes with 110 mm diameter erf connections.</p> <p>Stormwater Stormwater from Erf 184 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. The southern section of Erf 182 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. A small area of the development stormwater will be collected in stormwater pipe infrastructure in road reserves and release to the north east in a stormwater pond with a 1:50 year flood overflow release into the surrounding area which will allow for when stormwater is release to seep through the cultivated land towards the non-perennial river.</p> <p>Roads The new roads for Portions A and B will connect to the existing Olyf Street and Arcarcia Street respectively. The new internal roads will consist of a combination of premix and paved surfaces and will be 10m and 8 m wide, but not longer than 1km.</p>	
2.	Explain how the proposed development is in line with the existing land use rights of the property as you have indicated in the NOI and application form? Include the proof of the existing land use rights granted in Appendix E21.
<p>Both erven have an undetermined zoning inside an urban area. The development must be rezoned to the appropriate residential zoning. The buffer between the development and cemetery was discussed and the need for housing discussed with the community and the site development plan and layout was accepted by the municipality and community.</p>	
3.	Explain how potential conflict with respect to existing approvals for the proposed site (as indicated in the NOI/and or application form) and the proposed development have been resolved.
<p>The development must be rezoned to the appropriate residential zoning</p>	
4.	Explain how the proposed development will be in line with the following?
4.1	The Provincial Spatial Development Framework.
<p>The Western Cape Provincial Spatial Development Framework (PSDF) was approved and published in 2014. The main guiding principle on which the PSDF is based is the need to achieve sustainable development. Development proposals are only seen as being sustainable when they are</p>	

ecologically justifiable, socially equitable and economically viable, or otherwise referred to as the triple bottom line approach.

The PSDF supports and contributes to the National Development Plan (NDP) of 2012 which strives to eliminate poverty and reduce inequality by creating jobs and livelihoods, transform urban spaces, expand infrastructure, provide capable public services, etc. The proposed housing project will support the NDP initiative by creating a sustainable settlement in a suitable location and improving the infrastructure increasing the availability to more people in the area. The PSDF further supports the OneCape 2040 initiative on the following key transition areas of the OneCape vision:

- Integrated neighbourhoods and upgrading the built environment
- Integrated services planning and provision
- Design and produce settlements that addresses resource scarcity
- Healthy, accessible, liveable, multi-opportunity communities

The proposed development focus on the integration of different land uses to create integrated sustainable settlements. The design of the development incorporated the use of the natural fall of the land and service-effective blocks to ensure the sustainable use of service resources. The proposed housing development further comply with the PSDF's spatial agendas, key transitions, themes and resources as follow:

- Develop mixed-use and compact settlements through competitiveness, social inclusion, quality of life, efficient delivery of affordable services and resilience to environmental hazards and human safety.
- Increase densities in appropriate locations aligned with resources and space economy.
- Integration of complementary land uses.
- Public transport orientation and walkable neighbourhoods.
- Integrated, clustered and well located community facilities.
- Connect economic and social opportunities.
- Cluster activities and promote urban settlements rather than suburban settlements.
- Settlements that include sense of place, accessible settlement patterns, mixed land uses and densities, facilities and social services.
- Improving the efficiency and inclusivity of urban space economies, and the quality of their living environments to attract and train the skills required by the services orientated urban economy.

The following aims of the PSDF are relevant to this application and the proposed development complies with these policies:

- Policy R1: Protect Biodiversity and Ecosystem services:

Delineate urban edges in municipal SDFs to divert urban growth pressures away from critical biodiversity areas – the proposed development is located on the edge of the town, which is not identified as CBA.

- Policy R3: Safeguard the Western Cape's Agricultural and Mineral resources, and manage their sustainable use:

Reconcile ecosystem requirements with conflicting land development pressures through proactive spatial planning, and application of a land use management system that safeguards biodiversity, protects resources and opens up opportunities for improved livelihoods and jobs – the development is located on vacant land and there is minimal loss of natural resources that forms part of an ecological system. The design incorporates efficient use of services that will contribute to healthy lifestyles.

- Policy R4: Recycle and recover waste, deliver clean sources of energy to urban consumers, shift from private to public transport, and adapt to mitigate against climate change:

Provide low income areas with access to electricity and/or off grid renewable energy sources, and systematically upgrade informal settlements – all erven within the development will be connected to electricity and this project supports the decreasing of informal settlements by providing housing in this area.

Avoid developing new residential areas in proximity to agricultural areas that utilise crop spraying – the development area is not within spraying distance of any agricultural land.

Protect agricultural land that holds long term food security value from urban encroachment – the development land has not been cultivated in the last 10 years.

- Policy R5: Safeguard cultural and scenic assets:

Protect heritage and scenic assets from inappropriate development and land use change – the landscape does not have high heritage or scenic assets, although a heritage NID will be submitted for approval of said assumption.

The delineation of urban edges have significant implications from a scenic perspective, especially with respect to the protection of natural and cultural landscapes from urban encroachment, defining an appropriate interface between urban development and significant landscapes, and protecting the visual and agricultural setting of historical settlements – the locality of the development ensures that there will be no visual impact on the urban edge of agricultural land. The development will fit in seamlessly with the existing buildings.

- Policy E1: Use regional infrastructure investment to leverage economic growth:

Promote denser settlement patterns to support the transition to public transport, and mixed land use patterns to reduce the need for travel and create walkable neighbourhoods – a medium density development near existing mixed uses is supported.

Designing human settlements to accommodate infrastructural smart grids – the design includes a grid pattern with smaller pockets to ensure sense place is not lost.

Invest in public transport and non-motorised transport (NMT) infrastructure – provision is made for sidewalks next to all roads to support and encourage NMT.

- Policy S1: Protect, manage and enhance the sense of place, cultural and scenic landscape:

Prevent settlement encroachment into viable agricultural areas, scenic landscapes and biodiversity areas – the developable area has not been farmed and is not high potential agricultural land or conservation worthy.

Promote smart growth ensuring the efficient use of land and infrastructure by containing urban sprawl and prioritising infill – the proposed development is the ideal example of infill development, by developing land that is underutilised within the urban area, surrounded by existing buildings and uses.

- Policy S2: Improve provincial, Inter and Intra-regional accessibility:

Built environment projects should focus on compacting and connecting urban development and clustering public facilities along these connections – the road system is designed for optimal movability and access to the surrounding neighbourhoods.

Develop human settlement patterns that are compact and accessible so that all can access the opportunities of urban environments – as mentioned the design of the development incorporated effective movement through road network design and NMT.

- Policy S3: Promote compact, mixed use and integrated settlements:

In order to secure a more sustainable future settlement planning and development should achieve higher densities – compact settlements save people time and money, as travel distances are shorter and cheaper – the development is focussed on medium density development. It also allows for social and economic services within walking distance of each erf.

- Policy S4: Balance and coordinate the delivery of facilities and social services:

Use a set of facility provision guidelines and indicators namely the Development Parameters: a quick reference for the provision of facilities within settlements of the Western Cape – the Development Parameters document was used to determine the social needs for the development.

In order to ensure that current and future developments take place in a holistic, integrated and sustainable manner, equitable and accessible distribution of social services and facilities are required – the development is within walking distance of all needed social services.

Balance sustainable service delivery and equitable access to education and health services – the development will be fully serviced and close to educational facilities.

- Policy S5: Promote sustainable, integrated and inclusive housing in formal and informal markets:

Investment in housing must ensure optimal and sustainable use of all resources, including financial, land, social and infrastructure components – the development is compact and cost effective and will decrease the housing backlog.

Provide a wide choice of housing typologies and tenure options, based on economic, fiscal, and social affordability. Incremental housing development to be pursued, with phased service provision

to accelerate housing provision – the development includes walk-ups in an area with low and medium density housing.

Ensure that all housing delivery projects are founded on principles of sustainability and based on integrated development planning – the development is mainly focused on integration between uses and the surrounding environment to ensure walkability and sustainability for future generations.

Provide households with the residential environments, mobility and access to opportunities that support productive activities and reduce levels of exclusion from opportunity – all social and economic opportunities are walking distance of the development. Available opportunities is further strengthened by encouraging people to create economic opportunities from home.

Achieve a wider range of housing opportunities with regards to diversity of tenure, size, density, height and quality in order to promote a ladder of upward mobility for households to progress as economic circumstances change over time – the development supplies housing that supports growth from UISP to single residential.

4.2	The Integrated Development Plan of the local municipality.
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The two erven are located on the edge of the town on both sides of the sport field linking to existing services. The proposed development is in line with the municipal IDP to provide housing. The need and desirability aspect of the proposal was held in consultation with the surrounding communities. The housing opportunities and beneficiary list as per the municipal database was used and this determined the need and desirability for the project. This process was done through consultation with the local communities, with ward councillors and internal municipal procedures. It was further done in consultation with the surrounding communities both during the rezoning application (municipal process) and this Environmental Authorization Process. Further evidence of this is also noticeable on the site notice board proof photographs. When the notice board was placed, the project application were discussed and explained to the residents living on the edge of the development.

	The Spatial Development Framework of the local municipality.
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The two erven are located on the edge of the town on both sides of the sport field linking to existing services. The proposed development is in line with the municipal SDF and the area was identified for housing. The need and desirability aspect of the proposal was held in consultation with the surrounding communities. The housing opportunities and beneficiary list as per the municipal database was used and this determined the need and desirability for the project. This process was done through consultation with the local communities, with ward councillors and internal municipal procedures. It was further done in consultation with the surrounding communities both during the rezoning application (municipal process) and this Environmental Authorization Process. Further evidence of this is also noticeable on the site notice board proof photographs. When the notice board was placed, the project application were discussed and explained to the residents living on the edge of the development.

4.4.	The Environmental Management Framework applicable to the area.
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No EMF adopted by the Department for the applicable area.

5.	Explain how comments from the relevant authorities and/or specialist(s) with respect to biodiversity have influenced the proposed development.
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The buffer between the development and cemetery was discussed and the need for housing discussed with the community and the site development plan and layout was accepted by the municipality and community. Refer to bulk services confirmation letter which also confirm acceptance of buffer between the development and cemetery.

6.	Explain how the Western Cape Biodiversity Spatial Plan (including the guidelines in the handbook) has influenced the proposed development.
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An Aquatic ESA was incorrectly identified in the northern corner of the erf 182. No aquatic biodiversity features are present and recorded during the site inspection on the development area. This is because of the historic land uses, including the existing cemetery and ploughed cultivated lands.

7.	Explain how the proposed development is in line with the intention/purpose of the relevant zones as defined in the ICMA.
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Not applicable.

8.	Explain whether the screening report has changed from the one submitted together with the application form. The screening report must be attached as Appendix I.
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The screening report submitted with the NOI form does not differs from the one included in pre-application draft BAR.

9.	Explain how the proposed development will optimise vacant land available within an urban area.
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The two erven are located on the edge of the town on both sides of the sport field linking to existing services.

10.	Explain how the proposed development will optimise the use of existing resources and infrastructure.
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Will make use of existing roads and infrastructure surrounding the development.

11.	Explain whether the necessary services are available and whether the local authority has confirmed sufficient, spare, unallocated service capacity. (Confirmation of all services must be included in Appendix E16).
Will connect to surrounding existing services. Proof will be included in final BAR.	
12.	In addition to the above, explain the need and desirability of the proposed activity or development in terms of this Department's guideline on Need and Desirability (March 2013) or the DEA's Integrated Environmental Management Guideline on Need and Desirability. This may be attached to this BAR as Appendix K.
None	

SECTION F: PUBLIC PARTICIPATION

The Public Participation Process ("PPP") must fulfil the requirements as outlined in the NEMA EIA Regulations and must be attached as Appendix F. Please note that if the NEM: WA and/or the NEM: AQA is applicable to the proposed development, an advertisement must be placed in at least two newspapers.

1. Exclusively for linear activities: Indicate what PPP was agreed to by the competent authority. Include proof of this agreement in Appendix E22.

NA

2. Confirm that the PPP as indicated in the application form has been complied with. All the PPP must be included in Appendix F.

Yes, PPP as per the NOI and EA was and is being followed. Proof of all PPP conducted thus far is available under Appendix F.

3. Confirm which of the State Departments and Organs of State indicated in the Notice of Intent/application form were consulted with.

DEA&DP: Development Management
CapeNature
DEA&DP: Pollution and Chemicals Management
DEA&DP: Waste Management
Department of Agriculture, Western Cape: Land Use
Department of Water and Sanitation
Heritage Western Cape
Matzikama Municipality
Department: Transport and Public Works
Western Cape Government

4. If any of the State Departments and Organs of State were not consulted, indicate which and why.

All were consulted.

5. If any of the State Departments and Organs of State did not respond, indicate which.

Department of Agriculture, Western Cape: Land Use
Matzikama Municipality
Department: Transport and Public Works Western Cape Government

6. Provide a summary of the issues raised by I&APs and an indication of the manner in which the issues were incorporated into the development proposal.

Amendments to BAR, EMPR and Compliance statements were requested.
Detail on stormwater management were requested and included.
Non-perennial river delineation was requested.

Note:

A register of all the I&AP's notified, including the Organs of State, and all the registered I&APs must be included in Appendix F. The register must be maintained and made available to any person requesting access to the register in writing. The EAP must notify I&AP's that all information submitted by I&AP's becomes public information.

Your attention is drawn to Regulation 40 (3) of the NEMA EIA Regulations which states that "Potential or registered interested and affected parties, including the competent authority, may be provided with an opportunity to comment on reports and

plans contemplated in subregulation (1) prior to submission of an application but **must** be provided with an opportunity to comment on such reports once an application has been submitted to the competent authority."

All the comments received from I&APs on the pre -application BAR (if applicable and the draft BAR must be recorded, responded to and included in the Comments and Responses Report and must be included in Appendix F.

All information obtained during the PPP (the minutes of any meetings held by the EAP with I&APs and other role players wherein the views of the participants are recorded) and must be included in Appendix F.

Please note that proof of the PPP conducted must be included in Appendix F. In terms of the required "proof" the following is required:

- a site map showing where the site notice was displayed, dated photographs showing the notice displayed on site and a copy of the text displayed on the notice;
- in terms of the written notices given, a copy of the written notice sent, as well as:
 - if registered mail was sent, a list of the registered mail sent (showing the registered mail number, the name of the person the mail was sent to, the address of the person and the date the registered mail was sent);
 - if normal mail was sent, a list of the mail sent (showing the name of the person the mail was sent to, the address of the person, the date the mail was sent, and the signature of the post office worker or the post office stamp indicating that the letter was sent);
 - if a facsimile was sent, a copy of the facsimile Report;
 - if an electronic mail was sent, a copy of the electronic mail sent; and
 - if a "mail drop" was done, a signed register of "mail drops" received (showing the name of the person the notice was handed to, the address of the person, the date, and the signature of the person); and
- a copy of the newspaper advertisement ("newspaper clipping") that was placed, indicating the name of the newspaper and date of publication (of such quality that the wording in the advertisement is legible).

SECTION G: DESCRIPTION OF THE RECEIVING ENVIRONMENT

All specialist studies must be attached as Appendix G.

1. Groundwater

1.1.	Was a specialist study conducted?	YES	NO
1.2.	Provide the name and or company who conducted the specialist study.		
NA			
1.3.	Indicate above which aquifer your proposed development will be located and explain how this has influenced your proposed development.		
Aquifer Type and Yield Classification: Intergranular and fractured 0.1 - 0.5 l/s Groundwater Recharge Recharge (mm/a): 1.35 Groundwater Quality EC (mS/m): > 520 Aquifer Classification Classification: Minor Aquifer Vulnerability Vulnerability: Least Aquifer Susceptibility Susceptibility: Low Source: CapeFarmMapper dated 8 July 2024			
1.4.	Indicate the depth of groundwater and explain how the depth of groundwater and type of aquifer (if present) has influenced your proposed development.		
Depth to Groundwater Depth (mbgl): 31.18 Source: CapeFarmMapper dated 8 August 2024.			

2. Surface water

2.1.	Was a specialist study conducted?	YES	NO
2.2.	Provide the name and/or company who conducted the specialist study.		
Aquatic Biodiversity compliance statement will be conducted by Nicolaas W Hanekom.			
2.3.	Explain how the presence of watercourse(s) and/or wetlands on the property(ies) has influenced your proposed development.		

An Aquatic ESA was incorrectly identified in the northern corner of the erf 182. No aquatic biodiversity features are present and recorded during the site inspection. This is because of the historic land uses, including the existing cemetery.

3. Coastal Environment

3.1.	Was a specialist study conducted?	YES	NO
3.2.	Provide the name and/or company who conducted the specialist study.		
-			
3.3.	Explain how the relevant considerations of Section 63 of the ICMA were taken into account and explain how this influenced your proposed development.		
-			
3.4.	Explain how estuary management plans (if applicable) has influenced the proposed development.		
-			
3.5.	Explain how the modelled coastal risk zones, the coastal protection zone, littoral active zone and estuarine functional zones, have influenced the proposed development.		

4. Biodiversity

4.1.	Were specialist studies conducted?	YES	NO	
4.2.	Provide the name and/or company who conducted the specialist studies.			
<p>Terrestrial Biodiversity Impact Assessment - Terrestrial Biodiversity compliance statement in terms of the protocols was conducted by Nicolaas Hanekom</p> <p>Plant Species Assessment - Plant Species compliance statement in terms of the protocols was conducted by Nicolaas Hanekom</p> <p>Animal Species Assessment - Animal Species compliance statement in terms of the protocols was conducted by Nicolaas Hanekom</p>				
4.3.	Explain which systematic conservation planning and other biodiversity informants such as vegetation maps, NFEPA, NSBA etc. have been used and how has this influenced your proposed development.			
<ul style="list-style-type: none"> • 1:50 000 topographic mapping sourced from the Surveyor General's office; • Aerial imagery sourced from Google Earth. • Aerial imagery sourced from ESRI. • Vegetation types and their conservation status was extracted from the South African National Vegetation Map (South African National Biodiversity Institute (2006-2018). The Vegetation Map of South Africa, Lesotho and Swaziland, Mucina, L., Rutherford, M.C. and Powrie, L.W. (Editors), Online, http://bgis.sanbi.org/Projects/Detail/186, Version 2018.). • Information on plant and animal species recorded for the Quarter Degree Squares (QDS) was extracted from the SABIF/SIBIS database hosted by SANBI. • The IUCN conservation status of the species in the list was also extracted from the database and is based on the Threatened Species Programme, Red List of South African Plants (2011). • Threatened Ecosystem data was extracted from the National List of Threatened Ecosystems 2010. • Freshwater and wetland information was extracted from the National Freshwater Ecosystem Priority Areas assessment, NFEPA (Nel et al. 2011) and National Wetlands Map. • Important catchments and protected areas expansion areas were extracted from the National Protected Areas Expansion Strategy 2008 (NPAES). • The CapeNature Spatial Biodiversity Plan (2024) 				
4.4.	Explain how the objectives and management guidelines of the Biodiversity Spatial Plan have been used and how has this influenced your proposed development.			
<p>An Aquatic ESA was incorrectly identified in the northern corner of the erf 182. No aquatic biodiversity features are present and recorded during the site inspection. This is because of the historic land uses, including the existing cemetery and ploughed cultivated lands.</p>				
	Biodiversity Priority	Proximity to Biodiversity Priority Area	Hectares Lost	Aligned to 'LMO'
	CBA1	N/A		YES NO

	CBA2	N/A		YES	NO
	ESA1	N/A		YES	NO
	ESA2	N/A		YES	NO
	Protected Area (PA)	N/A		YES	NO
	Forest	N/A		YES	NO
	River NFEPA including 32m buffer	N/A		YES	NO
	Wetland NFEPA including 32m buffer	N/A		YES	NO
	Strategic water source area	N/A		YES	NO
	Threatened species and Red Data listed species	N/A		YES	NO
4.5.	Explain what impact the proposed development will have on the site specific features and/or function of the Biodiversity Spatial Plan category and how has this influenced the proposed development.				
Historically, the site is comprised of Namaqualand Heuveltjieveld and Southern Namaqualand Quartzite Klipkoppe Shrubland, which are categorised as Least Concern in terms of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004) List of Threatened Ecosystems in Need of Protection (dated 2022).					
4.6.	If your proposed development is located in a protected area, explain how the proposed development is in line with the protected area management plan.				
NA					
4.7.	Explain how the presence of fauna on and adjacent to the proposed development has influenced your proposed development.				
No indigenous fauna species or their habitats is present on the site due to the low botanical value of the site.					

5. Geographical Aspects

Explain whether any geographical aspects will be affected and how has this influenced the proposed activity or development.	
The general topography of the development is fairly steep, and some measure of bulk earthworks will be required.	

6. Heritage Resources

6.1.	Was a specialist study conducted?	YES	NO
6.2.	Provide the name and/or company who conducted the specialist study.		
NA			
6.3.	Explain how areas that contain sensitive heritage resources have influenced the proposed development.		
HWC NID who confirm that "You are hereby notified that, since there is no reason to believe that the proposed housing project on Erven 182 and 184, Off existing Olyf Street and Arcarcia Street, Nuwerus, Vanrhynsdorp, will impact on heritage resources, no further action under Section 38 of the National Heritage Resources Act (Act 25 of 1999) is required".			

7. Historical and Cultural Aspects

Explain whether there are any culturally or historically significant elements as defined in Section 2 of the NHRA that will be affected and how has this influenced the proposed development.	
There is no culturally or historically significant elements as defined in Section 2 of the NHRA that will be affected by the development.	

8. Socio/Economic Aspects

8.1.	Describe the existing social and economic characteristics of the community in the vicinity of the proposed site.
Ward 8: Koekenaap, Bitterfontein, Nuwerus, Kliprand, Stofkraal, Molsvlei, Put-Se-Kloof and Rietpoort	
The projections calculated for Ward 8, using the municipal growth rate of 8.2%, shows an unrealistically high demand for housing and associated requirements for land provision. Therefore	

another projection has been calculated for this ward using the Municipal average growth rate of 2.17% and it is believed that this more accurately reflects the future housing demand in this part of the municipality.

Housing projects in the housing delivery pipeline were planned to be developed in the 2017/2018 financial year in Bitterfontein, Nuwerus and Kliprand, but Bitterfontein project did not commence. There are also a significant number of households that are accommodated in backyard dwellings. A very high growth rate is evident in the rural population. The Matzikama Municipal area has a total housing backlog of approximately 8 698 houses, including the housing needs in the previously district managed area. The needs analysis of this area is currently in process and will form part of the total housing need once completed and verified. The human settlement section of the IDP reveals the core information around the housing needs for RDP-houses and gap-houses as well as some of the constraints faced by the Municipality to deliver on the housing needs.

In 2020, the economy of Matzikama was valued at R4.998 billion (current prices) and employed 26 057 people. Historical trends between 2016 and 2020 indicate that the municipal area realised an average annual growth rate of 0.0 per cent. The 2020 recession made a substantial dent in the average growth rate over the period, but load shedding and the drought within the Province also played a major role in prior years. Estimates for 2021 however indicate a marked recovery in growth (4.7 per cent) from the effects of the COVID-19 related restrictions to economic activity in 2020. It was largely driven by growth in the agriculture, forestry and fishing (8.8 per cent), followed by manufacturing (7.1 per cent) as well as wholesale & retail trade, catering & accommodation (7.1 per cent) as tourism activity resumed; the community, social and personnel services (7.8 per cent) as well as the finance, insurance, real estate & business services (4.7 per cent) sectors. The mining and quarrying (-16.1 per cent), construction (- 4.6 per cent) and electricity, gas & water (-1.5 per cent) sectors were the only sectors that experienced further economic decline after the easing of restrictions. Despite the economic recovery experienced in 2021, the economy continued to shed jobs, with an estimated 629 net jobs lost. This was largely driven by job losses in primary (- 282) - agriculture, forestry & fishing (-272), and the tertiary (-253) - wholesale & retail trade, catering & accommodation (-214 jobs) sectors, reflecting that employment creation is lagging the improved GDP.

Concluding Recommendation

The proposed development is located inside the SDF and identified for this development. It will link to existing municipal services and confirmation of availability of services will be confirmed by the municipality.

8.2.	Explain the socio-economic value/contribution of the proposed development.
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The proposed development will not have a significant adverse cumulative impact on the population or traditional customs and practices. The proposed development will provide much needed residential sites for beneficiaries. The development will have a positive impact on HIV/AIDS, Sexually Transmitted Infections ("STI") and Tuberculosis ("TB"), as well as equity and gender related concerns as the proposed development will provide much needed and safe housing and the treatment will continue at the satellite clinic.

8.3.	Explain what social initiatives will be implemented by applicant to address the needs of the community and to uplift the area.
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None other than provision of housing.

8.4.	Explain whether the proposed development will impact on people's health and well-being (e.g. in terms of noise, odours, visual character and sense of place etc) and how has this influenced the proposed development.
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It is not expected that the proposed development will have any significant negative impacts on people's health. In fact it will have a positive impact as it will ensure that Matzikama Municipality can provide much needed housing.

SECTION H: ALTERNATIVES, METHODOLOGY AND ASSESSMENT OF ALTERNATIVES

1. Details of the alternatives identified and considered

1.1.	Property and site alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts.
Provide a description of the preferred property and sites alternative.	
<p>The development of the housing infrastructure and the road wider than 4m will result in the clearing of more than 1h of disturbed Namaqualand Heuveltjieveld or Southern Namaqualand Quartzite Klipkoppe Shrubland which does not represent the vegetation structure of these vegetation types. However, some parts top soil was not legally disturbed the last 10 years and therefore it contains indigenous vegetation in terms of the definitions of the NEMA EIA regulations 2014, as amended.</p>	
<p>Nieuwe Rust Housing project on erf 182 and 184 on ±3.45ha. Area A = ±0.92ha and Area B ±2.52ha. Proposed Layout = 91 units (10m x 15m = ±150m²) A = 31 units and B = 60 units, total 91 units. The southern portion of Erf 184 is zoned undetermined. The rest of erf 184 to the north and erf 182 is zoned Residential, but was not serviced or used for residential purposes to date. The development of the infrastructure and erven will impact on areas that was used for agricultural purposes on or after 01 April 1998. Areas of more than 1 ha containing indigenous vegetation (because the topsoil was not legally disturbed the last 10 years), although in an poor ecological state will be cleared as well as roads wider than 4m will be constructed over these indigenous vegetation areas and because of the fact that the property does not have residential or urban services and zone undetermined, it is considered to be outside urban areas (although inside urban edge as per the current SDF).</p>	
<p>Water</p>	
<p>Portions A & B will require new internal reticulation networks, which will be 90mm diameter uPVC Class 12 pipes and will connect to the existing water mains in Olyf Street (Portion A) and Arcarcia Street (Portion B). Valves and hydrants will be provided at suitable positions.</p>	
<p>Sewer</p>	
<p>The internal network will be 160 mm diameter class 34 uPVC pipes with 110 mm diameter erf connections.</p>	
<p>Stormwater</p>	
<p>Stormwater from Erf 184 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. The southern section of Erf 182 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. A small area of the development stormwater will be collected in stormwater pipe infrastructure in road reserves and release to the north east in a stormwater pond with a 1:50 year flood overflow release into the surrounding area which will allow for when stormwater is release to seep through the cultivated land towards the non-perennial river.</p>	
<p>Roads</p>	
<p>The new roads for Portions A and B will connect to the existing Olyf Street and Arcarcia Street respectively. The new internal roads will consist of a combination of premix and paved surfaces and will be 10m and 8 m wide, but not longer than 1km.</p>	
<p>Provide a description of any other property and site alternatives investigated.</p>	
<p>Not applicable</p>	
<p>Provide a motivation for the preferred property and site alternative including the outcome of the site selection matrix.</p>	
<p>The development will be implemented in Nuwerus as an extension of the existing housing area. Access to the development will be from the existing developments adjacent to this new phase. The existing road access and services, sport field, cemetery (20m from northern boundary of erf 182 and 70m from erf 184) and surrounded farming activities were used to determine the property and site alternative.</p>	
<p>Provide a full description of the process followed to reach the preferred alternative within the site.</p>	
<p>The municipality considered all available sites for developed and identified this area to develop much needed housing project. The development will be implemented in Nuwerus as an extension of the existing housing area.</p>	
<p>Provide a detailed motivation if no property and site alternatives were considered.</p>	

The municipality considered all available sites for developed and identified this area to develop much needed housing project. The development will be implemented in Nuwerus as an extension of the existing housing area.

List the positive and negative impacts that the property and site alternatives will have on the environment.

Refer to Section H4 below for a list of all the positive and negative impacts assessed.

1.2. Activity alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts.

Provide a description of the preferred activity alternative.

The development of the housing infrastructure and the road wider than 4m will result in the clearing of more than 1h of disturbed Namaqualand Heuveltjieveld or Southern Namaqualand Quartzite Klipkoppe Shrubland which does not represent the vegetation structure of these vegetation types. However, some parts top soil was not legally disturbed the last 10 years and therefore it contains indigenous vegetation in terms of the definitions of the NEMA EIA regulations 2014, as amended.

Nieuwe Rust Housing project on erf 182 and 184 on ±3.45ha. Area A = ±0.92ha and Area B ±2.52ha. Proposed Layout = 91 units (10m x 15m = ±150m²) A = 31 units and B = 60 units, total 91 units. The southern portion of Erf 184 is zoned undetermined. The rest of erf 184 to the north and erf 182 is zoned Residential, but was not serviced or used for residential purposes to date. The development of the infrastructure and erven will impact on areas that was used for agricultural purposes on or after 01 April 1998. Areas of more than 1 ha containing indigenous vegetation (because the topsoil was not legally disturbed the last 10 years), although in a poor ecological state will be cleared as well as roads wider than 4m will be constructed over these indigenous vegetation areas and because of the fact that the property does not have residential or urban services and zone undetermined, it is considered to be outside urban areas (although inside urban edge as per the current SDF).

Water

Portions A & B will require new internal reticulation networks, which will be 90mm diameter uPVC Class 12 pipes and will connect to the existing water mains in Olyf Street (Portion A) and Arcarcia Street (Portion B). Valves and hydrants will be provided at suitable positions.

Sewer

The internal network will be 160 mm diameter class 34 uPVC pipes with 110 mm diameter erf connections.

Stormwater

Stormwater from Erf 184 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. The southern section of Erf 182 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. A small area of the development stormwater will be collected in stormwater pipe infrastructure in road reserves and release to the north east in a stormwater pond with a 1:50 year flood overflow release into the surrounding area which will allow for when stormwater is release to seep through the cultivated land towards the non-perennial river.

Roads

The new roads for Portions A and B will connect to the existing Olyf Street and Arcarcia Street respectively. The new internal roads will consist of a combination of premix and paved surfaces and will be 10m and 8 m wide, but not longer than 1km.

Provide a description of any other activity alternatives investigated.

No other activity alternative exists or was assessed. It is specific to the development of housing.

Provide a motivation for the preferred activity alternative.

The municipality considered all available sites for developed and identified this area to develop much needed housing project. The development will be implemented in Nuwerus as an extension of the existing housing area.

Provide a detailed motivation if no activity alternatives exist.

No activity alternatives were assessed or exists. The application is to develop much needing houses.

List the positive and negative impacts that the activity alternatives will have on the environment.

Refer to Section H4 below for a list of all the positive and negative impacts assessed.

1.3. Design or layout alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts

Provide a description of the preferred design or layout alternative.

Nieuwe Rust Housing project on erf 182 and 184 on ±3.45ha. Area A = ±0.92ha and Area B ±2.52ha. Proposed Layout = 91 units (10m x 15m = ±150m²) A = 31 units and B = 60 units, total 91 units.

Water

Portions A & B will require new internal reticulation networks, which will be 90mm diameter uPVC Class 12 pipes and will connect to the existing water mains in Olyf Street (Portion A) and Arcarcia Street (Portion B). Valves and hydrants will be provided at suitable positions.

Sewer

The internal network will be 160 mm diameter class 34 uPVC pipes with 110 mm diameter erf connections.

Stormwater

Stormwater from Erf 184 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. The southern section of Erf 182 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. A small area of the development stormwater will be collected in stormwater pipe infrastructure in road reserves and release to the north east in a stormwater pond with a 1:50 year flood overflow release into the surrounding area which will allow for when stormwater is release to seep through the cultivated land towards the non-perennial river.

Roads

The new roads for Portions A and B will connect to the existing Olyf Street and Arcarcia Street respectively. The new internal roads will consist of a combination of premix and paved surfaces and will be 10m and 8 m wide, but not longer than 1km.

Provide a description of any other design or layout alternatives investigated.

No other design or layout alternatives were investigated

Provide a motivation for the preferred design or layout alternative.

The housing development layout was designed to link to existing services and to fill in the development area surrounded by existing urban development and to accommodate community infrastructure. The topography of the site, surrounding land uses, densification to obtain as much as possible housing opportunities and roads determined the layout.

Provide a detailed motivation if no design or layout alternatives exist.

The topography of the site, surrounding land uses, densification to obtain as much as possible housing opportunities and roads determined the layout. The Site development plan was developed using all these constrains and inputs and there was no need for an alternative layout.

List the positive and negative impacts that the design alternatives will have on the environment.

Refer to Section H4 below for a list of all the positive and negative impacts assessed.

1.4. Technology alternatives (e.g., to reduce resource demand and increase resource use efficiency) to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts.

Provide a description of the preferred technology alternative:

The only technological alternatives assessed and considered, were the use of electricity and water conservation.

Electricity:

- Use of energy efficient equipment;
- CFL's must be used to save energy cost where possible;
- Fluorescent lighting must be used in communal spaces where possible.

The only technological alternatives assessed and considered, were the use of water conservation: Ensure that toilet systems are dual flush and 6 litre water holding capacity.

Provide a description of any other technology alternatives investigated.

No other technological alternatives were considered.

Provide a motivation for the preferred technology alternative.

The only technological alternatives assessed and considered, were the use of electricity and water conservation.

Electricity:

- Use of energy efficient equipment;
- CFL's must be used to save energy cost where possible;
- Fluorescent lighting must be used in communal spaces where possible.

The only technological alternatives assessed and considered, were the use of water conservation:

Ensure that toilet systems are dual flush and 6 litre water holding capacity.	
Provide a detailed motivation if no alternatives exist.	
The technological alternatives will ensure that the development is more energy and water efficient.	
List the positive and negative impacts that the technology alternatives will have on the environment.	
The technological alternatives will ensure that the development is more energy and water efficient.	
1.5.	Operational alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts.
Provide a description of the preferred operational alternative.	
Operational alternatives were not assessed as they are not feasible or reasonable. The proposed development application is to develop housing.	
Provide a description of any other operational alternatives investigated.	
Operational alternatives were not assessed as they are not feasible or reasonable. The proposed development application is to develop housing.	
Provide a motivation for the preferred operational alternative.	
Operational alternatives were not assessed as they are not feasible or reasonable. The proposed development application is to develop housing.	
Provide a detailed motivation if no alternatives exist.	
Operational alternatives were not assessed as they are not feasible or reasonable. The proposed development application is to develop housing.	
List the positive and negative impacts that the operational alternatives will have on the environment.	
Operational alternatives were not assessed as they are not feasible or reasonable. The proposed development application is to develop housing.	
1.6.	The option of not implementing the activity (the 'No-Go' Option).
Provide an explanation as to why the 'No-Go' Option is not preferred.	
The site will not be develop and therefore crucial and much needed housing will not be provided.	
1.7.	Provide and explanation as to whether any other alternatives to avoid negative impacts, mitigate unavoidable negative impacts and maximise positive impacts, or detailed motivation if no reasonable or feasible alternatives exist.
None applicable.	
1.8.	Provide a concluding statement indicating the preferred alternatives, including the preferred location of the activity.
<p>Nieuwe Rust Housing project on erf 182 and 184 on ±3.45ha. Area A = ±0.92ha and Area B ±2.52ha. Proposed Layout = 91 units (10m x 15m = ±150m²) A = 31 units and B = 60 units, total 91 units.</p> <p>Water</p> <p>Portions A & B will require new internal reticulation networks, which will be 90mm diameter uPVC Class 12 pipes and will connect to the existing water mains in Olyf Street (Portion A) and Arcarcia Street (Portion B). Valves and hydrants will be provided at suitable positions.</p> <p>Sewer</p> <p>The internal network will be 160 mm diameter class 34 uPVC pipes with 110 mm diameter erf connections.</p> <p>Stormwater</p> <p>Stormwater from Erf 184 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. The southern section of Erf 182 will all be collected in stormwater pipe infrastructure in road reserves and connected to Jakaranda street stormwater infrastructure in a southern direction towards existing town stormwater infrastructure. A small area of the development stormwater will be collected in stormwater pipe infrastructure in road reserves and release to the north east in a stormwater pond with a 1:50 year flood overflow release into the surrounding area which will allow for when stormwater is release to seep through the cultivated land towards the non-perennial river.</p> <p>Roads</p> <p>The new roads for Portions A and B will connect to the existing Olyf Street and Arcarcia Street respectively. The new internal roads will consist of a combination of premix and paved surfaces and will be 10m and 8 m wide, but not longer than 1km.</p> <p>The municipality considered all available sites for developed and identified this area to develop much needed housing project. The development will be implemented in Nuwerus as an extension of the existing housing area.</p>	

2. “No-Go” areas

Explain what “no-go” area(s) have been identified during identification of the alternatives and provide the co-ordinates of the “no-go” area(s).

No no-go areas have been identified in the proposed development area. All areas outside the development footprint are regarded as no go areas.

3. Methodology to determine the significance ratings of the potential environmental impacts and risks associated with the alternatives.

Describe the methodology to be used in determining and ranking the nature, significance, consequences, extent, duration of the potential environmental impacts and risks associated with the proposed activity or development and alternatives, the degree to which the impact or risk can be reversed and the degree to which the impact and risk may cause irreplaceable loss of resources.

The assessment criteria were developed based on the Department of Environmental Affairs’s Integrated Environmental Management Series guideline documents.

Criteria	Description		
Nature	a description of what causes the effect, what will be affected, and how it will be affected.		
	Type	Score	Description
Extent (E)	None (No)	1	Footprint
	Site (S)	2	On site or within 100 m of the site
	Local (L)	3	Within a 20 km radius of the centre of the site
	Regional (R)	4	Beyond a 20 km radius of the site
	National (Na)	5	Crossing provincial boundaries or on a national / land wide scale
Duration (D)	Short term (S)	1	0 – 1 years
	Short to medium (S-M)	2	2 – 5 years
	Medium term (M)	3	5 – 15 years
	Long term (L)	4	> 15 years
	Permanent (P)	5	Will not cease
Magnitude (M)	Small (S)	0	will have no effect on the environment
	Minor (Mi)	2	will not result in an impact on processes
	Low (L)	4	will cause a slight impact on processes
	Moderate (Mo)	6	processes continuing but in a modified way
	High (H)	8	processes are altered to the extent that they temporarily cease
Probability (P) the likelihood of the impact actually occurring. Probability is estimated on a scale, and a score assigned	Very improbable (VP)	1	probably will not happen
	Improbable (I)	2	some possibility, but low likelihood
	Probable (P)	3	distinct possibility
	Highly probable (HP)	4	most likely
	Definite (D)	5	impact will occur regardless of any prevention measures
Significance (S)	Determined through a synthesis of the characteristics described above: S = (E+D+M) x P Significance can be assessed as low, medium or high		
Low: < 30 points:	The impact would not have a direct influence on the decision to develop in the area		
Medium: 30 – 60 points:	The impact could influence the decision to develop in the area unless it is effectively mitigated		
High: > 60 points:	The impact must have an influence on the decision process to develop in the area		
No significance	When no impact will occur or the impact will not affect the environment		
Status	Positive (+)		Negative (-)
The degree to which the impact can be reversed	Completely reversible (R)	90-100%	The impact can be mostly to completely reversed with the implementation of the correct mitigation and rehabilitation measures.
	Partly reversible (PR)	6-89%	The impact can be partly reversed providing that mitigation measures as stipulated in the EMP are implemented and rehabilitation measures are undertaken
	Irreversible (IR)	0-5%	The impact cannot be reversed, regardless of the mitigation or rehabilitation measures taking place
The degree to which the impact may cause irreplaceable loss of resources	Resource will not be lost (R)	1	The resource will not be lost or destroyed provided that mitigation and rehabilitation measures as stipulated in the EMP are implemented
	Resource may be partly destroyed (PR)	2	Partial loss or destruction of the resources will occur even though all management and mitigation measures as stipulated in the EMP are implemented
	Resource cannot be replaced (IR)	3	The resource cannot be replaced no matter which management or mitigation measures are implemented.

The degree to which the impact can be mitigated	Completely mitigatable (CM)	1	The impact can be completely mitigated providing that all management and mitigation measures as stipulated in the EMP are implemented
	Partly mitigatable (PM)	2	The impact cannot be completely mitigated even though all management and mitigation measures as stipulated in the EMP are implemented. Implementation of these measures will provide a measure of mitigatibility
	Un-mitigatable (UM)	3	The impact cannot be mitigated no matter which management or mitigation measures are implemented.

4. Assessment of each impact and risk identified for each alternative

Note: The following table serves as a guide for summarising each alternative. The table should be repeated for each alternative to ensure a comparative assessment. The EAP may decide to include this section as Appendix J to this BAR.

Preferred and only alternative	<p>CONSTRUCTION PHASE</p> <ul style="list-style-type: none"> Increase in stormwater runoff (medium negative impact before mitigation and low negative impact after mitigation) Groundwater pollution (medium negative impact before mitigation and low negative impact after mitigation) Noise due to construction machinery (low negative impact before mitigation and low negative impact after mitigation) Visual impact of construction of proposed development (medium negative impact before mitigation and low negative impact after mitigation) <p>OPERATIONAL PHASE</p> <ul style="list-style-type: none"> Increase in stormwater runoff (medium negative impact before mitigation and low negative impact with mitigation measures); Groundwater pollution (high negative impact before mitigation and low negative impact after mitigation) <p>DECOMMISSIONING AND CLOSURE PHASE</p> <ul style="list-style-type: none"> The decommissioning of the facility is not anticipated in the near future. Impacts during this phase will however be similar to that of the construction phase. Mitigation and management measures will be related to the technology of the day and needs to be discussed at such time as decommissioning will occur. All structures must be removed and the area rehabilitated to the state as before construction had commenced (dependent upon the end land use agreement). Waste, where possible must be recycled. All concrete introduced must be removed off site to a licensed waste facility.
No-go/ No development Alternative:	The No-Go option will result in the site remaining as it is and not be develop.
Refer to Appendix J for detailed impact assessment tables	

SECTION I: FINDINGS, IMPACT MANAGEMENT AND MITIGATION MEASURES

1.	Provide a summary of the findings and impact management measures identified by all Specialist and an indication of how these findings and recommendations have influenced the proposed development.
<p>Traffic Impact Assessment Please refer to Appendix G.</p> <p>CONCLUSIONS The following can be summarised/concluded from the report:</p> <ol style="list-style-type: none"> This TIS accompanies the Application for Subdivision of Erf 182 and Rezoning and Subdivision of Erf 184, Nuwerus. The proposed development refers to the Nuwerus IRDP Housing Project and consists of two application areas (±3.45 ha) with a total of 91x Single Residential Zone 1 erven (±150 m² each), 2x Community Facility erven (±432 m² and ±434 m²) and 1x Business erf (±338 m²). Four future access points from/to the existing public road network (Olyf Street, Jakaranda Street and Arcarcia Street) are proposed for the development. With the application of the Very Low Vehicle Ownership (70% reduction) trip generation adjustment factor, the proposed development's residential erven have the potential to generate a total of 27 trip ends during both the AM (7 inbound, 20 outbound) and PM (19 inbound, 8 outbound) weekday 	

peak hours.

- 5) While the specific land uses of the Community Facility erven and Business erf are not yet known at this stage, these are not expected to contribute a significant number of additional trip ends to the overall peak-hour trip generations of the proposed development.
- 6) No road network upgrades are considered necessary to accommodate the proposed development.
- 7) A road reserve width of 10 m (typical for Class 5B local residential streets) is proposed for the internal streets of the new development. A few acceptable narrower road widths of 6 m and 8 m are planned for the culs de sac.
- 8) Surfaced internal streets are proposed for the development. The remaining gravel sections of Arcarcia Street, Jakaranda Street and Olyf Street leading to/from the proposed development should be surfaced as part of the development's construction.
- 9) The intersections that form the access points to the development areas as well as those within the new local street network will be sign-controlled (i.e. stop or yield).
- 10) Further elements of the streets, such as cross sections, right of way, kerb radii and sight distances are expected to be specified in the final road designs and will require separate assessment and approval based on the applicable standards.
- 11) It is recommended that street lighting be provided throughout the proposed development.
- 12) According to the Matzikama Integrated Waste Management Plan (3rd Generation; February 2019), Nuwerus currently does not receive regular municipal waste collection services. Should this situation change in the future, the proposed road reserves offer sufficient space for kerbside refuse collection.
- 13) The parking requirements set forth by the Matzikama Municipality stipulate that each dwelling house/shelter must have 1 (one) off-street parking bay. The parking requirements for the Community Facility erven and Business erf will need to be evaluated once their specific land uses have been established.
- 14) The provision for additional public transport and/or NMT is not considered necessary for the proposed development. However, a sidewalk along the Community Facility erven and Business erf could be considered.

RECOMMENDATIONS

From the discussions provided in this report, it is recommended that the proposed development on Erven 182 and 184, Nuwerus, indicated on the attached (DRAFT) Layout Plan, be supported from a traffic impact perspective, on the following conditions:

- 1) That, in addition to the internal streets within the proposed development, the unsurfaced sections of Jakaranda Street, Arcarcia Street, and Olyf Street leading to/from the proposed development be surfaced.
- 2) That, the provision of street lighting within the proposed development be considered.
- 3) That, a sidewalk along the Community Facility erven and Business erf be considered.

Aquatic Biodiversity

The following potential impacts (both direct and indirect) on freshwater resources were identified.

Direct.

- Increased erosion and sedimentation with construct activities, particularly site clearing, can exacerbate erosion that can lead to sediment inflow in wetlands.
- Alteration of hydrological flow due to the development can modify surface runoff and infiltration patterns increasing risk of flash flooding or drying, especially in areas with soil with increased clay content.
- Dangerous goods storage and spills during construction that can lead to surface water contamination entering the wetland

Indirect Impacts

- The risk to the offsite identified non-perennial river is pollution from surface water.

Proper management, mitigation or monitoring requirements for inclusion in the Environmental Authorization and its conditions, or the Environmental Management Plan is required. All stormwater collected on site must be properly handled and managed to ensure that polluted stormwater and litter/waste is not discharged directly into the non-perennial river. All dangerous goods must be stored and handled on site in bunded and on sealed surfaces. Drip trays must be used under parked vehicles.

Should any spill occur, it must be reported, immediately contained and cleaned up. The construction camp and dangerous goods storage must be further than 100m away from the non-perennial river and no construction vehicles may be parked overnight within 100m from the non-perennial river.

To ensure that the risk of erosion and sedimentation of the drainage line is eliminated the following must be implemented:

- Ensure that the discharge point is adequately designed to minimise the force of the discharge stormwater through incorporation of energy dissipation structures;
- Spread the discharge point as far as possible to reduce concentration of the stormwater discharge;
- Address the upstream erosion through reshaping the watercourse and installing erosion protection structures as required;
- Ensure that the reshaping and erosion protection structures are installed during the dry summer season and are in place before the onset of the winter rains.

It is further recommended that all solid waste is removed from the drainage line prior to the onset of the first winter rains and also that a municipal worker is tasked with keeping the drainage line free of solid waste and unwanted debris into the future.

Should any faunal SCC be encountered during construction, these must be recorded (i.e. be photographed, GPS co-ordinates taken) and photographs placed on iNaturalist

Any faunal species that may die as a result of construction activities must be recorded (i.e. be photographed, GPS co-ordinates taken) and these records placed on iNaturalist.

In addition to all mitigations listed above a clause must be included in contracts for ALL personnel working on site stating that: "no wild animals will be hunted, killed, poisoned or captured. No wild animals will be imported into, exported from or transported in or through the province. No wild animals will be sold, bought, donated and no person associated with the development will be in possession of any live wild animal, carcass or anything manufactured from the carcass." A clause relating to fines, possible dismissal and legal prosecution must be included should any of the above transgressions occur, especially for SCC.

Fauna chance-find protocol, restrictions on night lighting, pet control during construction, and alien-plant clearing must be included in EMPr.

2.	List the impact management measures that were identified by all Specialist that will be included in the EMPr
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None other than the ones already included in the EMPr

3.	List the specialist investigations and the impact management measures that will not be implemented and provide an explanation as to why these measures will not be implemented.
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None. All will be implemented.

4.	Explain how the proposed development will impact the surrounding communities.
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Only possible impact on surrounding communities is dust and noise during construction. No further impacts will occur.

5.	Explain how the risk of climate change may influence the proposed activity or development and how has the potential impacts of climate change been considered and addressed.
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It is not expected that the proposed development will contribute to climate change. Development of housing inside an urban area.

6.	Explain whether there are any conflicting recommendations between the specialists. If so, explain how these have been addressed and resolved.
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Not applicable.

7.	Explain how the findings and recommendations of the different specialist studies have been integrated to inform the most appropriate mitigation measures that should be implemented to manage the potential impacts of the proposed activity or development.
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All specialists recommendations have been included in the EMPr requirements.

8.	Explain how the mitigation hierarchy has been applied to arrive at the best practicable environmental option.
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The key mitigation measures recommended should be impact avoidance. Where adverse impacts cannot reasonably be avoided, the activities should be managed through the effective implementation of the EMP with a strong emphasis on post-construction rehabilitation where required.

In order to determine the best practicable environmental option for the development proposal the site was assessed by the EAP and all potential environmental constraints were identified to avoid negative impacts. Impacts identified that could not be avoided have been mitigated and managed as per the EMPr requirements.

As such the mitigation hierarchy has been effectively applied to this development proposal resulting in the best practicable environmental option (preferred alternative) presented for consideration by the competent authority.

SECTION J: GENERAL

1. Environmental Impact Statement

1.1.	Provide a summary of the key findings of the EIA.
<p>CONSTRUCTION PHASE</p> <ul style="list-style-type: none"> • Increase in stormwater runoff (medium negative impact before mitigation and low negative impact after mitigation) • Groundwater pollution (medium negative impact before mitigation and low negative impact after mitigation) • Noise due to construction machinery (low negative impact before mitigation and low negative impact after mitigation) • Visual impact of construction of proposed development (medium negative impact before mitigation and low negative impact after mitigation) <p>OPERATIONAL PHASE</p> <ul style="list-style-type: none"> • Increase in stormwater runoff (medium negative impact before mitigation and low negative impact with mitigation measures); • Groundwater pollution (high negative impact before mitigation and low negative impact after mitigation) <p>DECOMMISSIONING AND CLOSURE PHASE</p> <ul style="list-style-type: none"> • The decommissioning of the facility is not anticipated in the near future. Impacts during this phase will however be similar to that of the construction phase. Mitigation and management measures will be related to the technology of the day and needs to be discussed at such time as decommissioning will occur. All structures must be removed and the area rehabilitated to the state as before construction had commenced (dependent upon the end land use agreement). Waste, where possible must be recycled. All concrete introduced must be removed off site to a licensed waste facility. 	
1.2.	Provide a map that that superimposes the preferred activity and its associated structures and infrastructure on the environmental sensitivities of the preferred site indicating any areas that should be avoided, including buffers. (Attach map to this BAR as Appendix B2)
	Refer to Appendix B
1.3.	Provide a summary of the positive and negative impacts and risks that the proposed activity or development and alternatives will have on the environment and community.
Refer to Section H4 for a summary of the potential impact findings.	

2. Recommendation of the Environmental Assessment Practitioner ("EAP")

2.1.	Provide Impact management outcomes (based on the assessment and where applicable, specialist assessments) for the proposed activity or development for inclusion in the EMPr
<p>CONSTRUCTION PHASE</p> <ul style="list-style-type: none"> • Increase in stormwater runoff (medium negative impact before mitigation and low negative impact after mitigation) • Groundwater pollution (medium negative impact before mitigation and low negative impact after mitigation) • Noise due to construction machinery (low negative impact before mitigation and low negative impact after mitigation) • Visual impact of construction of proposed development (medium negative impact before mitigation and low negative impact after mitigation) <p>OPERATIONAL PHASE</p> <ul style="list-style-type: none"> • Increase in stormwater runoff (medium negative impact before mitigation and low negative impact with mitigation measures); • Groundwater pollution (high negative impact before mitigation and low negative impact after mitigation) <p>DECOMMISSIONING AND CLOSURE PHASE</p> <p>The decommissioning of the facility is not anticipated in the near future. Impacts during this phase will however be similar to that of the construction phase. Mitigation and management measures will be</p>	

related to the technology of the day and needs to be discussed at such time as decommissioning will occur. All structures must be removed and the area rehabilitated to the state as before construction had commenced (dependent upon the end land use agreement). Waste, where possible must be recycled. All concrete introduced must be removed off site to a licensed waste facility.									
2.2.	Provide a description of any aspects that were conditional to the findings of the assessment either by the EAP or specialist that must be included as conditions of the authorisation.								
Impact mitigation measures as per the EMPr must be fully complied with.									
2.3.	Provide a reasoned opinion as to whether the proposed activity or development should or should not be authorised, and if the opinion is that it should be authorised, any conditions that should be included in the authorisation.								
The proposed development can be authorized. The location of the proposed activity is site specific. No approving the development will result in no housing development which will result in shortage of housing opportunities.									
2.4.	Provide a description of any assumptions, uncertainties and gaps in knowledge that relate to the assessment and mitigation measures proposed.								
<p>EAP is only knowledgeable with regards to the potential environmental and ecosystems aspects. In undertaking the investigation and compiling this report, the following has been assumed:</p> <ul style="list-style-type: none"> • The information provided by the client is accurate and unbiased; • The scope of this investigation is to assess the direct and cumulative environmental impacts associated with the development; and • Should the proposed project be authorised, the applicant will incorporate the recommendations and mitigation measures outlined in this BAR, the EMP and the EA into the detailed design and construction contract specifications and operational management system for the proposed project. 									
2.5.	The period for which the EA is required, the date the activity will be concluded and when the post construction monitoring requirements should be finalised.								
	<table border="1"> <tr> <td>i. the period within which commencement must occur;</td> <td>Within 5 years of obtaining Environmental Authorisation</td> </tr> <tr> <td>ii. the period for which the environmental authorisation is granted and the date on which the development proposal will have been concluded, where the environmental authorisation does not include operational aspects;</td> <td>Within 10 years of obtaining Environmental Authorisation</td> </tr> <tr> <td>iii. the period for which the portion of the environmental authorisation that deals with non-operational aspects is granted; and</td> <td>Not applicable</td> </tr> <tr> <td>v. the period for which the portion of the environmental authorisation that deals with operational aspects is granted.</td> <td>Not applicable.</td> </tr> </table>	i. the period within which commencement must occur;	Within 5 years of obtaining Environmental Authorisation	ii. the period for which the environmental authorisation is granted and the date on which the development proposal will have been concluded, where the environmental authorisation does not include operational aspects;	Within 10 years of obtaining Environmental Authorisation	iii. the period for which the portion of the environmental authorisation that deals with non-operational aspects is granted; and	Not applicable	v. the period for which the portion of the environmental authorisation that deals with operational aspects is granted.	Not applicable.
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ii. the period for which the environmental authorisation is granted and the date on which the development proposal will have been concluded, where the environmental authorisation does not include operational aspects;	Within 10 years of obtaining Environmental Authorisation								
iii. the period for which the portion of the environmental authorisation that deals with non-operational aspects is granted; and	Not applicable								
v. the period for which the portion of the environmental authorisation that deals with operational aspects is granted.	Not applicable.								

3. Water

Since the Western Cape is a water scarce area explain what measures will be implemented to avoid the use of potable water during the development and operational phase and what measures will be implemented to reduce your water demand, save water and measures to reuse or recycle water.

Water saving measures taken during operations:

- Water pipes have water savers on with manual shutoff valves/taps
- Handbasins/urinals have pushbutton taps
- Cleaning is done with dry methods as much as possible before using water

Water meter readings are taken to monitor usage and make adjustments or repair faults if needed.

4. Waste

Explain what measures have been taken to reduce, reuse or recycle waste.

All waste generated will be collected by municipality in terms of waste management collection and services.

5. Energy Efficiency

8.1. Explain what design measures have been taken to ensure that the development proposal will be energy efficient.

The following energy saving measures are implemented:

LED lights will be installed were possible in terms of health and safety requirements.

SECTION K: DECLARATIONS

DECLARATION OF THE APPLICANT

Note: Duplicate this section where there is more than one Applicant.

I, Lionel J Phillips..... ID number LS09209108081..... in my personal capacity or duly authorised thereto hereby declare/affirm that all the information submitted or to be submitted as part of this application form is true and correct, and that:

- I am fully aware of my responsibilities in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) ("NEMA"), the Environmental Impact Assessment ("EIA") Regulations, and any relevant Specific Environmental Management Act and that failure to comply with these requirements may constitute an offence in terms of relevant environmental legislation;
- I am aware of my general duty of care in terms of Section 28 of the NEMA;
- I am aware that it is an offence in terms of Section 24F of the NEMA should I commence with a listed activity prior to obtaining an Environmental Authorisation;
- I appointed the Environmental Assessment Practitioner ("EAP") (if not exempted from this requirement) which:
 - meets all the requirements in terms of Regulation 13 of the NEMA EIA Regulations; or
 - meets all the requirements other than the requirement to be independent in terms of Regulation 13 of the NEMA EIA Regulations, but a review EAP has been appointed who does meet all the requirements of Regulation 13 of the NEMA EIA Regulations;
- I will provide the EAP and any specialist, where applicable, and the Competent Authority with access to all information at my disposal that is relevant to the application;
- I will be responsible for the costs incurred in complying with the NEMA EIA Regulations and other environmental legislation including but not limited to –
 - costs incurred for the appointment of the EAP or any legitimately person contracted by the EAP;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the NEMA EIA Regulations;
 - Legitimate costs in respect of specialist(s) reviews; and
 - the provision of security to ensure compliance with applicable management and mitigation measures;
- I am responsible for complying with conditions that may be attached to any decision(s) issued by the Competent Authority, hereby indemnify, the government of the Republic, the Competent Authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action for which I or the EAP is responsible in terms of the NEMA EIA Regulations and any Specific Environmental Management Act.

Note: If acting in a representative capacity, a certified copy of the resolution or power of attorney must be attached.

Signature of the Applicant:

Matzika Municipality
Name of company (if applicable):

4/2/2026
Date:

DECLARATION OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER (“EAP”)

I **Nicolaas Willem Hanekom**, EAP Registration number **2020/1146** as the appointed EAP hereby declare/affirm the correctness of the:

- Information provided in this BAR and any other documents/reports submitted in support of this BAR;
- The inclusion of comments and inputs from stakeholders and I&APs;
- The inclusion of inputs and recommendations from the specialist reports where relevant; and
- Any information provided by the EAP to interested and affected parties and any responses by the EAP to comments or inputs made by interested and affected parties, and that:
- In terms of the general requirement to be independent:
 - other than fair remuneration for work performed in terms of this application, have no business, financial, personal or other interest in the activity or application and that there are no circumstances that may compromise my objectivity; or
 - am not independent, but another EAP that meets the general requirements set out in Regulation 13 of NEMA EIA Regulations has been appointed to review my work (Note: a declaration by the review EAP must be submitted);
- In terms of the remainder of the general requirements for an EAP, am fully aware of and meet all of the requirements and that failure to comply with any the requirements may result in disqualification;
- I have disclosed, to the Applicant, the specialist (if any), the Competent Authority and registered interested and affected parties, all material information that have or may have the potential to influence the decision of the Competent Authority or the objectivity of any report, plan or document prepared or to be prepared as part of this application;
- I have ensured that information containing all relevant facts in respect of the application was distributed or was made available to registered interested and affected parties and that participation will be facilitated in such a manner that all interested and affected parties were provided with a reasonable opportunity to participate and to provide comments;
- I have ensured that the comments of all interested and affected parties were considered, recorded, responded to and submitted to the Competent Authority in respect of this application;
- I have ensured the inclusion of inputs and recommendations from the specialist reports in respect of the application, where relevant;
- I have kept a register of all interested and affected parties that participated in the public participation process; and
- I am aware that a false declaration is an offence in terms of Regulation 48 of the NEMA EIA Regulations;



30/01/2026

Signature of the EAP:

Date:

Enviro-EAP (Pty) Ltd

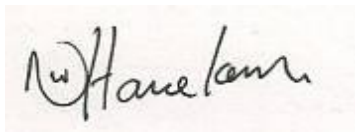
Name of company (if applicable):

DECLARATION OF THE SPECIALIST

Note: Duplicate this section where there is more than one specialist.

I **Nicolaas Willem Hanekom**, as the appointed Specialist hereby declare/affirm the correctness of the information provided or to be provided as part of the application, and that:

- In terms of the general requirement to be independent:
 - other than fair remuneration for work performed in terms of this application, have no business, financial, personal or other interest in the development proposal or application and that there are no circumstances that may compromise my objectivity; or
- In terms of the remainder of the general requirements for a specialist, have throughout this EIA process met all of the requirements;
- I have disclosed to the applicant, the EAP, the Review EAP (if applicable), the Department and I&APs all material information that has or may have the potential to influence the decision of the Department or the objectivity of any Report, plan or document prepared or to be prepared as part of the application; and
- I am aware that a false declaration is an offence in terms of Regulation 48 of the EIA Regulations.



Nicolaas Hanekom
Pri.Sci.Nat (Ecology) 004415

Signature of the EAP/ Specialist:

29 JANUARY 2026

Date:

Enviro-EAP (Pty) Ltd

Name of company (if applicable):