

APPENDIX E
CONFIRMATION LETTERS

Our Ref: HM/ CAPE TOWN METROPOLITAN/ KHAYELITSHA/
ERVEN 18370 AND 18332
Case No.: 19120201LB0211E
Enquiries: Waseefa Dhansay
E-mail: waseefa_dhansay@westerncape.gov.za
Tel: 021 483 9533
Date: 25 February 2020

City of Cape Town
Mr Gerhard Hanekom
Human Settlements
21st Floor, 2 Bay Side Tower Block
Cape Town
8000

RESPONSE TO NOTIFICATION OF INTENT TO DEVELOP: FINAL COMMENT
In terms of Section 38(4) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape
Provincial Gazette 6061, Notice 298 of 2003

NOTIFICATION OF INTENT TO DEVELOP: THE PROPOSED RESIDENTIAL DEVELOPMENT, ERVEN 18370 AND 18332, KHAYELITSHA, CAPE TOWN: SUBMITTED IN TERMS OF SECTION 38(4) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 19120201LB0211E

The matter above has reference.

Heritage Western Cape is in receipt of your application for the above matter received on 10 February 2020. This matter was discussed at the Heritage Officers meeting held on 21 February 2020.

You are hereby notified that, since there is no reason to believe that proposed residential development, Erven 18370 and 18332, Khayelitsha, will impact on heritage resources, no further action under Section 38 of the National Heritage Resources Act (Act 25 of 1999) is required.

However, should any heritage resources, including evidence of graves and human burials, archaeological material and paleontological material be discovered during the execution of the activities above, all works must be stopped immediately and Heritage Western Cape must be notified without delay.

This letter does not exonerate the applicant from obtaining any necessary approval from any other applicable statutory authority.

HWC reserves the right to request additional information as required.

Should you have any further queries, please contact the official above and quote the case number

Yours faithfully



.....
Dr. Mxolisi Dlamuka
Chief Executive Officer, Heritage Western Cape

www.westerncape.gov.za/cas



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External Reference	DEA&DP	SEC Reference	020052	Date	13 October 2020
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Attendance:

Eldon van Boom (DEA&DP Development Management Region 1)
Keagan-Leigh Adriaanse (DEA&DP Development Management Region 1)
Chantel Muller (Sillito Environmental Consulting)
Gerhard Hanekom (City of Cape Town Human Settlements)
Diaan Rangole (City of Cape Town Human Settlements)
Oscar Mia (Bosch Engineers)

PURPOSE OF MEETING: Discussion of Scoping/EIA Timeframes and possibility of expediting some of these timeframes given the current land invasion situation on site.

Salient points discussion in meeting

The following points were discussed

1. Chantel Muller opened the meeting with a brief introduction of the purpose of the meeting.
2. Gerhard Hanekom provided a brief description of the project including:
 - sharing site location and preliminary site development plans,
 - context in terms of the larger Enkanini housing phases that this proposal forms part,
 - an indication of the current issues with land invasion on the site
 - as well as a note on the fact that the portion of land on the corner of Baden Powell and Oscar Mpetha road that was initially proposed to be reserved by City Biodiversity has now also experienced serious land invasions and as such, can potentially be included in this development.
3. Chantel responded confirming that a telecon is scheduled with Cliff Dorse at City Biodiversity in order to further discuss the inclusion of this portion of land into the development and that confirmation will have to be obtained from City Biodiversity as to how they will be approaching this inclusion of this portion of land into the development, given that this land does not form part of the Unselected Areas as per their CIP framework. Chantel asked Eldon and Keagan-leigh whether they have any inputs in terms of how this should be approached.
4. Eldon van Boom responded indicating that guidance will have to be provided by City Biodiversity in terms of their mandate on the CIP framework.



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5. Chantel then proceeded with giving a short summary of the generic timeframes of the Scoping/EIA application and confirmed that SEC has already indicated to City Human Settlements that the only avenues for expediting the process from the EAP's side is in reducing the turnaround times for the report compilations. Also, Chantel highlighted that a Section 30A application is not applicable in this regard.
6. Both Gerhard and Diaan Rangole raised concerns with regards to the fast pace by which land invasion is taking place currently on site and what would be done should this situation just become worse and worse.
7. Eldon indicated that the DEA&DP can attempt as far as possible to expedite their turnaround times on the processing of the Application Form, Scoping Report and EIA Reports. The remained of the timeframes, such as the public participation components are legislatively determined and cannot be changed. Eldon noted that a WULa is also required and that the public participation processes for the WULa and the Scoping/EIA will dovetail. Also, Eldon requested Chantel to confirm whether a pre-application phase will be undertaken for this application. Chantel confirmed that SEC is of the opinion that a pre-application phase will be advisable in this case, given the nature of the development, the sensitivity of the site as well as the socio-economic factors. Eldon confirmed that the DEA&DP is also of the opinion that this will be the best approach.
8. Keagan-leigh Adriaanse requested confirmation of whether the application is indeed a Scoping/EIA application and Chantel confirmed that yes, it is a full Scoping/EIA application given that the site footprint in larger than 20ha (the originally proposed site area is approximately 60 ha in extent and should the additional portion of land on the south wester corner of the site be included, the total footprint will be in excess of approximately 90 ha) Keagan-leigh also noted that the public participation requirements for the WULa in terms of the National Water Act is 60 days, which will have to be incorporated into the EIA phase of the application.
9. Eldon requested confirmation from Chantel on the specialists appointed as part of the EIA application. Chantel confirmed that a freshwater ecologist as well as Offset specialists have been appointed for the application but that botanical specialist input was excluded given that City Biodiversity, specifically Clifford Dorse, indicated that they will be able to provide the required botanical input. Chantel requested confirmation from DEA&DP as to whether this will suffice in terms of botanical input. Eldon highlighted his concern with whether the inputs from Cliff Dorse will meet the Site Screening Protocols. Chantel confirmed after a bit of a discussion that she will be discussing this with Cliff, specifically in terms of whether his input will meet the criteria and content requirements for biodiversity and botanical specialist input as well as the required qualifications. Eldon and Keagan-leigh both highlighted their concern with the City as applicant providing specialist input in terms of botanical and biodiversity issues.

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Email: info@environmentalconsultants.co.za

CC Number 2001/072542/23



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10. Gerhard requested clarity on the fact that the wetland will not be included in the site area and as such, whether a WULA will still be required.
11. Eldon confirmed that a WULA is required for any development within 500m from a wetland.
12. Chantel confirmed the notes on the WULA and WULA public participation timeframes and confirmed that once further discussions with Cliff have been finalised, SEC will make contact with Keagan-leigh to further discuss the incorporation of this portion of land into the development.
13. Keagan-leigh highlighted her concern with the incorporation of this portion of land and whether this might have implications on timeframes, especially in terms of the Offset work.
14. Eldon also provided some input on the level of detail that the DEA&DP will require in terms of the overall project description and site development plan. Eldon requested that Gerhard includes in the proposal and layout plans the maximum amount of units that can possibly be accommodated on site so as to avoid a Part 2 Amendment to have to be submitted post Environmental Authorisation should the City later decide to increase the number of units. Eldon also confirmed that high level inputs in terms of the location of the various groupings of housing on the site layout plan, street widths, heights and clear indications of no-go areas will suffice.
15. Chantel closed the meeting by summarising the items discussed, confirming that meeting notes will be distributed and confirming that further communication with DEA&DP will ensue once discussions with Cliff has been finalised. Chantel also confirmed that a NOI is anticipated to be submitted within the next two weeks, dependant on how quickly the additional portion of land to the south west of the site can be included in the development.

Ryan Collins

From: Clifford Dorse <Clifford.Dorse@capetown.gov.za>
Sent: Wednesday, 21 October 2020 16:10
To: Chantel Muller; Mia, Oscar
Cc: Gerhard Hanekom; amreivonhase@gmail.com; Susie.Brownlie@dbass.co.za; Francois Botma (botmaf@boschprojects.co.za)
Subject: RE: Enkanini Housing Development

Hi Chantel

Yes – I feel that is correct – the entire site just needs to be assessed as part of the EIA process. As a portion of this is priority strandveld – we would recommend that a botanical specialist assess the area.

Kind regards

Cliff

From: Chantel Muller <chantel@environmentalconsultants.co.za>
Sent: Wednesday, 21 October 2020 12:11
To: Mia, Oscar <Miao@boschprojects.co.za>
Cc: Gerhard Hanekom <Gerhard.Hanekom@capetown.gov.za>; amreivonhase@gmail.com; Susie.Brownlie@dbass.co.za; Clifford Dorse <Clifford.Dorse@capetown.gov.za>; Clifford Dorse <Clifford.Dorse@capetown.gov.za>; Francois Botma (botmaf@boschprojects.co.za) <botmaf@boschprojects.co.za>
Subject: Enkanini Housing Development

CAUTION: This email originated outside of the City of Cape Town's network. Please do not click on any links or open attachments unless you know and trust the source. **STOP. THINK. VERIFY.**

Dear Oscar

I need to clarify a few items in order for us to be able to proceed with our work.

STUDY AREA DEMARCATION

Please can you advise on the final study area delineation for this project?

We have had discussions with both yourself, Gerhard Hanekom and Cliff on the possible addition of the land towards the south western corner, previously earmarked for biodiversity purposes by Cliff's department, to the total study area. Cliff, in our most recent correspondence you have advised that there is no procedure that needs to be followed for City to be able to include this portion of land to their study area for the housing development, even though this land is regarded as "priority area" in terms of the CIPs etc – it just needs to be assessed as part of our EIA assessment? Is that correct?

We will need to get to some point of agreement between City Biodiversity and DEA&DP on whether or not this land can be included in our study area and if so, what procedures need to be followed.

Of very important note is that we cannot start with any of our work until such time as we have this finalised study area please.

INCREASE IN SCOPE AND ADDITIONAL BUDGET

Our current cost estimate is based on the originally proposed approximately 60ha portion of land.

Should the additional 30ha portion of land be included in the study area, this will naturally have quite a significant effect in terms of change of scope and budget.

Oscar, please can you advise on how we will go about requested additional budget for this?

I will await feedback on the above.

Kind regards,

 <p>"Environmental Solutions for a Changing World"</p>	<p>Chantel Muller – Environmental Consultant</p> <p>P: +27 (0) 21 712 5060 F: +27 (0) 21 712 5061 M: +27 (0) 71 313 4193</p> <p>chantel@environmentalconsultants.co.za www.environmentalconsultants.co.za</p> <p>Suite 105, Block B2, Tokai Village Centre, Vans Road, Tokai, Cape Town, 7966</p>
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CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

SPATIAL PLANNING AND ENVIRONMENT
ENVIRONMENTAL MANAGEMENT

Cliff Dorse

Head: Conservation Services Unit

M: 083 440 1751

E: Clifford.Dorse@capetown.gov.za

25 May 2021

deVilliers Brownlie Associates

Attention: Amrei von Hase and Susie Brownlie

By email: amreivonhase@gmail.com and Susie.Brownlie@dbass.co.za

Dear Amrei and Susie,

RE: ENKANINI SOUTH HOUSING DEVELOPMENT SITE (ERF 18370 AND ERF 18332-RE KHAYELITSHA)

In 2019, the City of Cape Town Biodiversity Management Branch (BMB) and Human Settlements Department (HS) agreed that Biodiversity management would reserve a c.40 Ha portion on the western side of Erf 18370 Khayelitsha. It was further agreed that the remainder of Erf 18370 and Erf 18332-RE would be reserved for Human Settlements purposes. The Metro Southeast Strandveld Conservation Implementation Plan (CIP) was updated to reflect c.40 Ha Priority strandveld to be reserved for BMB for a conservation area, and Unselected strandveld to be reserved for HS on the rest of Erf 18370 and Erf 18332-RE. The Unselected area included the existing waste water retention pond.

The site became subject to illegal land invasion in 2020. The process of reservation for BMB was cancelled toward the end of 2020 when it became clear that we were unable to halt the invasion. BMB agreed with HS that the entire Enkanini South site could be reserved for HS use. The site is now known as Monwabisi Extension 3 unauthorised informal settlement.

Pragmatically, the proposed conservation area (or remainder thereof) on the western side of Erf 18370 is no longer a viable or defensible potential addition to the Protected Area network, due to the habitat fragmentation and destruction caused by the land invasion.

BMB support the **entire Enkanini South site now being treated as Unselected strandveld** and thus suitable for application for housing development. In an online discussion (24 May 2021), the appointed Botanical Specialist (Greg Nicolson) and Freshwater Specialist (Dean Ollis) indicated their findings of some habitat currently left on site in 2021. However, based on the high risk of further habitat degradation, fragmentation and/or loss, **on-site mitigation is no longer supported** by the BMB.

Through the CIP, potentially suitable terrestrial biodiversity offset receptor sites have been identified by BMB and communicated to HS and other relevant parties including DEA&DP, CapeNature and Offset Specialists. For this Enkanini South housing development application,

GOOD HOPE SUBCOUNCIL BUILDING

ISAKHIWO SEBHUNGANA LASE-GOOD HOPE

GOEIE HOOP-SUBRAADSgebou

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PO BOX 16548, VLAEBERG, 8018, SOUTH AFRICA

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BMB agree to facilitate the **use of a portion of the Macassar Dunes East conservation land bank, should an off-site biodiversity offset now be required** to mitigate the loss of endemic, Endangered Cape Flats Dune Strandveld on Erf 18370 and Erf 18332-RE Khayelitsha. The Macassar Dunes East Conservation Area has been reserved for BMB for use as a conservation land bank. It covers 130 Ha of high quality strandveld. **Both capital and operating budget are needed to manage this new conservation area in perpetuity.**

Please note that Priority sites in the CIP were selected based on habitat quality, spatial location and viability for protection, to create a defensible Protected Area network. It's not simply about hectares on the Cape Flats. Other Unselected strandveld sites will not be elevated to Priority strandveld in compensation for loss to land invasion, as Unselected sites are unlikely to be defensible additions to the Protected Area network. However, the loss of Priority sites does elevate the importance of Impact sites (those identified as a priority to be conserved, but also targeted for development).

We look forward to positive further engagement regarding this strategic site.

Yours sincerely,



Cliff Dorse



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
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SPATIAL PLANNING & ENVIRONMENT DIRECTORATE
ENVIRONMENTAL MANAGEMENT DEPARTMENT

Lorraine Gerrans
Director

T: +27 (0)21 487 2024 M: +27 (0)82 301 5002
E: lorraine.gerrans@capetown.gov.za

18th March 2022

deVilliers Brownlie Associates

Attention: Amrei von Hase and Susie Brownlie

By email: amreivonhase@gmail.com and Susie.Brownlie@dbass.co.za

Dear Amrei and Susie,

**RE: ENKANINI SOUTH HOUSING DEVELOPMENT SITE (ERF 18370 AND ERF 18332-RE KHAYELITSHA)
PROPOSED BIODIVERSITY OFFSET DEA&DP Ref: 16/3/3/6/7/2/A4/37/3181/21**

Cape Flats Dune Strandveld (CFDS) is an Endangered vegetation type that is only found within the City of Cape Town boundaries. Clearing or disturbing this vegetation requires Environmental Authorisation in terms of the National Environmental Management Act (NEMA) 2014 EIA Regulations.

The Metro Southeast Strandveld Conservation Implementation Plan (CIP) was developed by the City of Cape Town's Environmental Management Department (EMD), in partnership with DEA&DP and CapeNature. This pragmatic Conservation Implementation Plan identified the Strandveld remnant vegetation that is a priority to conserve as part of a defensible Protected Area Network. The CIP also identifies areas of Strandveld that are not pragmatic to be conserved. These areas are identified as Unselected on the CIP. The principle of the CIP, as agreed with DEA&DP and CapeNature, is that development would be supported on Unselected portions of CFDS if the loss could be mitigated by the securing and managing Priority CIP sites. Due to recent land invasions and increasing pressure on the site, both Erf 18370 and Erf 18332-RE Khayelitsha are Unselected sites on the CIP.

The City has proactively identified 163 ha of conservation worthy land in the Macassar East area. This includes 130 ha of high quality Cape Flats Dune Strandveld that is critical for conservation and identified to be a Priority on the CIP. The 163 ha shown in Figure 1 has been reserved by the City for Biodiversity Management purposes in order to form a conservation land bank. Refer to Table 1 for the erven and area available for conservation purposes.

THE CITY OF CAPE TOWN

GOOD HOPE SUB-COUNCIL BUILDING, 7TH FLOOR, 44 WALE STREET, CAPE TOWN, 8001, SOUTH AFRICA
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The area is referred to in the CIP as the Macassar East conservation land bank, drawing on the established principles of the Atlantis biodiversity land bank established in 2014. As for the successful Atlantis land bank, the intention of the City is to pro-actively provide biodiversity offsets in order to support and facilitate development on unselected sites within the Metro Southeast Strandveld CIP.

The EMD is supportive of using a portion of Macassar East conservation land bank to mitigate for the loss of the 55.35 ha that is calculated to be lost with the development of the proposed Enkanini South Housing Development. The 55.35 ha required as an offset would therefore be deducted from the area available for future biodiversity offsets in the Macassar East conservation land bank.

EMD intends that the conserved area be protected in perpetuity, such as by the proclamation of the area as a Nature Reserve in terms of section 23 of the Protected Areas Act 57 of 2003. The site would then be known as the Macassar East Conservation Area. EMD further intends to submit the necessary capital and operational budgets needed to adequately manage and defend the protected areas in Macassar East to the City's budget committee and Council for consideration and approval.

Table 1. City owned properties in the Macassar East Conservation Land Bank

Erf	Area (ha)
Erf 702 -RE Macassar	16.70
Erf 703 Macassar	41.20
Erf 707 Macassar	11.80
Erf 708 Macassar	30.87
Erf 721 (688-re) Macassar	6.69
Erf 1062 Macassar	5.17
Portion of Erf 1063 Macassar	1.30
Erf 1195 Macassar	21.25
Erf 1196 Macassar	5.91
Portion of RE Erf 1137 Macassar	22.68
Macassar East Conservation Land Bank	Total: 163.57

FIGURE 1: The 163 ha Macassar East Conservation Land Bank properties that are reserved for Biodiversity Management purposes are shown in green.



For any additional information, please don't hesitate to contact EMD's Conservation Services Coordinator, Mr Cliff Dorse, by e-mail to Clifford.Dorse@capetown.gov.za, or telephone 083 440 1751.

Yours sincerely

Lorraine Gerrans
Director: Environmental Management



CV: ADRIAN SILLITO

SPECIALISATION : Environmental Management

NATIONALITY : RSA Citizen

PROFESSIONAL QUALIFICATIONS : MSc Engineering Geology, Natal University 1991
BSc (Hons) Geology, Sheffield University, 1983

DATE OF BIRTH : 24 November 1961

PROFESSIONAL MEMBERSHIP : Professional Natural Scientist (Pr.Sci.Nat), Certified Environmental Assessment Practitioner of South Africa (CEAPSA), Member of the International Association for Impact Assessment (MIAIA). Fellow of the Geological Society, London (FGS). Member of the SA Institute of Engineering and Environmental Geologists (SAIEG), Member of the Association of Engineering Geologists (MAEG).

PROFESSIONAL EXPERIENCE

From 1/11/01 to date **Sillito Environmental Consulting (SEC)**

- Subsoil and groundwater contamination investigation, risk assessment, analysis, reporting and remedial recommendations. Design, implementation and monitoring of remediation systems. Several thousand projects of this nature have been supervised, project managed and reported on. This includes long term site monitoring, data interpretation and reporting.
- Liaison and reporting to regulatory authorities with regard to contamination issues
- Phase 1 & 2 Environmental Due Diligence & Waste Audits for various national and international companies. Aspects and Impacts registers.
- Production of generic environmental audit protocols
- Environmental Impact Assessments, Waste Licenses and Atmospheric Emissions Licensing for a wide range of proposed activities including residential, commercial, industrial, petrochemical, chemical and telecommunications. This involved the compilation, editing and review of all documents
- Site specific environmental management programmes and on-site support/ECO services. Including the review of final documents.
- Professional review of reports submitted to the Department of the Environment for the Minister of Environmental Affairs and Development Planning
- Underground Utility Scanning and project management, editing and

- review of reports and assessments
- Green Star SA training, project management and coordination

1996 to 10/2001

K & T Consulting Engineers

Contamination Investigation and Risk Assessment

- Contamination investigation, risk assessment and remediation proposals and systems design for a large number of petrochemical facilities countrywide

Geotechnical Investigation

- Geotechnical investigations for a wide variety of structures, from pipeline route investigations, large-scale site evaluation for housing, both low and high cost, to individual structures from single houses to multi storey hotels
- Slope stability analysis, stabilisation proposals and project management
- Quarry site location, materials analysis and reporting

Project Management

- Project management of the engineering design to closure of Faure landfill site. Project involved geophysical and geohydrological, hydrological and geotechnical assessment as well as the engineering design for the capping layer

Environmental Impact Assessment

- Environmental Impact Assessments within the petrochemical, chemical, mining and quarrying environments, projects completed in all 9 provinces
- Development of Environmental Management Plans
- Environmental Control Officer experience on various projects
- Environmental Management Programme Reporting (Quarry sites)
- Review of applications for authorisation (in terms of the Environment Conservation Act) on behalf of the Department of Environment, DEA&DP (Western Cape)
- General environmental advice to DEA&DP with regard to the policy development for the Western Cape

Environmental Management Systems

- ISO 14001 Environmental Management Systems training with Casella International, UK, 2000
- Implementation of ISO 14001 environmental management systems
- EARA approved Environmental Auditor course (March 2001)
- Phase 1 Environmental Audits (Merger & Acquisition Audits) individually and in conjunction with international environmental companies

1994 – 1996

Africon Geotechnical & Materials

- Waste disposal site conceptual design (including costing) for DWAF permit application. Location of suitable liner materials

- Geotechnical investigation and foundation/support design for a wide variety of projects from tunnels, township establishment, townhouses, bridges, underpasses, receiver masts, law court complexes, hotels to warehouse developments
- Orange-Vaal canal project, route analysis with API (Aerial Photograph Interpretation), on-site investigation and construction recommendations. Gariep to Springfontein pipeline investigation
- Underground mine backfilling investigation for surface stabilisation of sewage works, analysis and proposal of remedial measures

1992 - 1994

Lesotho Highlands Project Contractors

- Responsible for all geological and geotechnical input at the Katse Intake site from slope stability analysis to predicting geological problem areas (stress, lineation intersection, quarry materials quality)
- Tunnel support recommendations and classification of ground conditions
- Aggregate quarry quality control and mining methodology including environmental controls in terms of waste discharges

1990 - 1991

Natal University, Durban: MSc Engineering Geology

- One year's full time lecture course including the soil mechanics component which was provided by the Civil Engineering Department
- Thesis: Analysis of six co-disposal landfill sites in KwaZulu Natal

1988 - 1990

George Orr & Associates

- Lower Fish River Government water scheme: Site Eng. Geologist. Dam foundation analysis, grout curtain recommendations, tunnel feasibility investigations (drilling investigations), mapping, quarry monitoring and environmental controls
- Ladysmith Flood Attenuation Scheme: Dam site location, investigation and quarry location and evaluation
- Henties Bay aquifer recharge project, dam site location and evaluation via satellite imagery and targeted drilling

1984 – 1988

Mining & Exploration Field

- Exploration Geologist, open cast coal operations
- Opencast coal site geologist, quality control on site and at the processing plant, including mine planning
- Exploration/Shaft Geologist gold mining environment. Quality control, reserve determination and drilling exploration

CV: CHANTEL MÜLLER

- SPECIALISATION** : Environmental Management
- NATIONALITY** : South African
- PROFESSIONAL QUALIFICATIONS** : BA Social Dynamics, Stellenbosch University 2004
MPhil Environmental Management, Stellenbosch University 2008
- DATE OF BIRTH** : 6 October 1981
- PROFESSIONAL MEMBERSHIP** : Registered EAP with EAPASA
Member of the International Association for Impact Assessment (IAIA).
Accredited Professional with the Green Building Council of South Africa
Executive Committee Member of SALI committee (South African Landscape Institute (2007-2008))
- COURSES AND SEMINARS ATTENDED** : Attendance of numerous EIA Workshops dating from 2010
GBCSA Interiors and Office Accredited Professional
Certificate: Autodesk, AutoCAD 2004 (Level I & II), Mark's Place
Certificate: Photography, INTEC College

PROFESSIONAL EXPERIENCE

From February 01/02/13 to date

SEC

- Environmental Impact Assessments (project management; report compilation; compliance monitoring and auditing; public participation management; legislation and regulation review)
- EIA's, Basic Assessments and Rectification Applications in terms of the NEMA, NEM: Waste Act, NEM: Air Quality Act; and Section 24G of the NEMA
- Green Star projects as Accredited Green Star Professional with the Green Building Council South Africa

**From 01/09/08 to 31/01/13
2020**

Environmental Consultant at Enviro Dinamik

- Environmental Impact Assessments (project management; report compilation; compliance monitoring and auditing; public participation management; legislation and regulation review)
- EIA's, Basic Assessments and Rectification Applications in terms of the NEMA. NEM: Waste Act and Section 24 G of NEMA

From 01/09/06 to 31/01/13

Marina Landscaping

- Landscape Design, Tendering, Project Management and Nursery Management