

Company Profile & CV of Lizelle Gregory (Environmental Assessment Practitioner)



Qualifications And Experience In The Field Of Environmental Planning And Management (Lizelle Gregory (Member Bokamoso)):

Qualifications:

- -Qualified as Landscape Architect at UP 1991;
- -Qualified as Professional Landscape Architect in 1997;
- -A Registered Member at The **South African Council for the Landscape Architect Profession (SACLAP)** with Practise Number: **PrLArch97078**;
- A Registered Member at the International Association for Impact Assessment Practitioners (IAIA);
- Qualified as an **Environmental Auditor in July 2008** and also became a Member of the International Environmental Management Association (IEMAS) in 2008.

Working Experience:

- -Worked part time at Eco-Consult 1988-1990;
- -Worked part time at Plan Associates as Landscape Architect in training 1990-1991;
- -Worked as Landscape Architect at Environmental Design Partnership (EDP) from 1992 1994
- -Practised under Lizelle Gregory Landscape Architects from 1994 until 1999;
- -Lectured at Part-Time at **UP** (1999) Landscape Architecture and **TUT** (1998- 1999)- Environmental Planning and Plant Material Studies;
- -Worked as **part time Landscape Architect and Environmental Consultant at Plan Associates** and **managed their environmental division for more that 10 years** 1993 2008 (assisted the **PWV Consortium** with various road planning matters which amongst others included environmental Scans, EIA's, Scoping reports etc.)
- -Renamed business as **Bokamoso in 2000** and is the only member of Bokamoso Landscape Architects and Environmental Consultants CC:
- -More than 20 years experience in the compilation of Environmental Reports, which amongst others included the compilation of various DFA Regulation 31 Scoping Reports, EIA's for EIA applications in terms of the applicable environmental legislation, Environmental Management Plans, Inputs for Spatial Development Frameworks, DP's, EMF's etc. Also included EIA Application on and adjacent to mining land and slimes dams (i.e. Brahm Fisherville, Doornkop)

Qualifications And Experience In The Field Of Landscape Architecture (Lizelle Gregory (Member Bokamoso)):

Landscape Architecture:

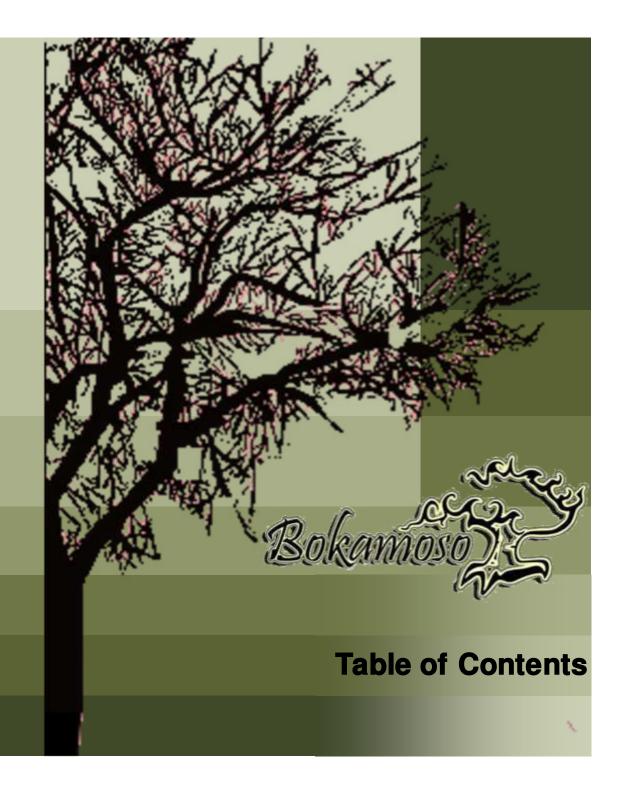
-Compiled landscape and rehabilitation plans for more than 22 years.

The most significant landscaping projects are as follows:

- -Designed the Gardens of the Witbank Technicon (a branch of TUT). Also supervised the implementation of the campus gardens (2004);
- -Lizelle Gregory was the Landscape Architect responsible for the paving and landscape design at the UNISA Sunnyside Campus and received a Corobrick Golden Award for the paving design at the campus (1998-2004);
- -Bokamoso assisted with the design and implementation of a park for the City of Johannesburg in Tembisa (2010);
- -The design and implementation of the landscape gardens (indigenous garden) at the new Coca-Cola Valpre Plant (2012-2013);
- -Responsible for the rehabilitation and landscaping of Juksei River area at the Norwood Shopping Mall (johannesburg) (2012-2013);
- -Designed and implemented a garden of more than 3,5ha in Randburg (Mc Arthurpark). Bokamoso also seeded the lawn for the project (more than 2,5 ha of lawn successfully seeded) (1999);
- -Bokamoso designed and implemented more than 800 townhouse complex gardens and submitted more than 500 Landscape Development Plans to CTMM for approval (1995 2013);
- -Assisted with Landscape Designs and the Masterplan at Eco-Park (M&T Developments) (2005-2011);
- -Bokamoso designed and implemented an indigenous garden at an office park adjacent to the Bronberg. In this garden it was also necessary to establish a special garden for the Juliana Golden Mole. During a recent site visit it was established that the moles are thriving in this garden. Special sandy soils had to be imported and special indigenous plants had to be established in the natural section of the garden.
- -Lizelle Gregory also owns her own landscape contracting business. For the past 20 years she trained more than 40 PDI jobless people (sourced from a church in Mamelodi) to become landscape contracting workers. All the workers are (on a continuous basis) placed out to work at nurserys and other associated industries;
- -Over the past 20 years the Bokamoso team compiled more than 800 landscape development plans and also implemented most of the gardens. Bokamoso also designed and implemented the irrigation for the gardens (in cases where irrigation was required). Lizelle regarded it as important to also obtain practical experience in the field of landscape implementation.



- Executive Summary
- Vision, Mission & Values
- 03 Human Resources
- 04 Services
- Landscape Projects
- Corporate Highlights
- Environmental Projects
- Indicative Clients
- 09 Tools



Bokamoso specialises in the fields of Landscape Architecture and all aspects of Environmental Management and Planning. Bokamoso was founded in 1992 and has shown growth by continually meeting the needs of our clients. Our area of expertise stretches throughout the whole of South Africa. Our projects reflect the competence of our well compiled team. The diversity of our members enables us to tend to a variety of needs. Our integrated approach establishes a basis for outstanding quality. We are well known to clients in the private, commercial as well as governmental sector.

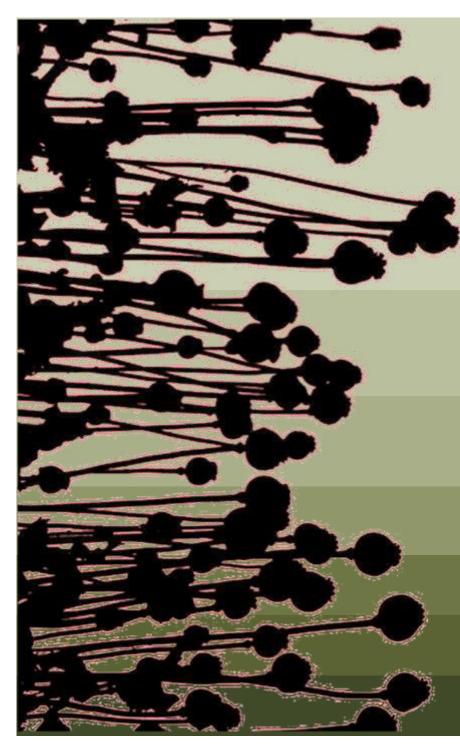
At Bokamoso we stand on a firm basis of environmental investigation in order to find unique solutions to the requirements of our clients and add value to their operations.



Bokamoso

01 Executive Summary

011 Company Overview



Vision:

At Bokamoso we strive to find the best planning solutions by taking into account the functions of a healthy ecosystem. Man and nature should be in balance with each other.

Mission:

We design according to our ethical responsibility, take responsibility for successful completion of projects and constitute a landscape that contributes to a sustainable environment. We add value to the operations of our clients and build long term relationships that are mutually beneficial.

Values:

Integrity

Respect

02 Vision, Mission & Values

Bokamoso stands on the basis of fairness. This include respect within our multicultural team and equal opportunities in terms of gender, nationality and race.

We have a wide variety of projects to tend to, from complicated reports to landscape installation. This wide range of projects enables us to combine a variety of professionals and skilled employees in our team.

Bokamoso further aids in the development of proficiency within the working environment. Each project, whether in need of skilled or unskilled tasks has its own variety of facets to bring to the table.

We are currently in the process of receiving our BEE scorecard. We support transformation in all areas of our company dynamics.



Lizelle Gregory (100% interest)

Lizelle Gregory obtained a degree in Landscape Architecture from the University of Pretoria in 1992 and passed her board exam in 1995.

Her professional practice number is PrLArch 97078.

Ms. Gregory has been a member of both the Institute for Landscape Architecture in South Africa (ILASA) and South African Council for the Landscape Architecture Profession (SACLAP), since 1995.

Although the existing Environmental Legislation doesn't yet stipulate the academic requirements of an Environmental Assessment Practitioner (EAP), it is recommended that the Environmental Consultant be registered at the International Association of Impact Assessments (IAIA). Ms. Gregory has been registered as a member of IAIA in 2007.

Ms. Gregory attended and passed an International Environmental Auditing course in 2008. She is a registered member of the International Environmental Management and Assessment Council (IEMA).

She has lectured at the Tshwane University of Technology (TUT) and the University of Pretoria (UP). The lecturing included fields of Landscape Architecture and Environmental Management.

Ms. Gregory has more than 20 years experience in the compilation of Environmental Evaluation Reports:

Environmental Management Plans (EMP);

Strategic Environmental Assessments;

All stages of Environmental input;

EIA under ECA and the new and amended NEMA regulations and various other Environmental reports and documents.

Ms. Gregory has compiled and submitted more than 600 Impact Assessments within the last 5-6 years. Furthermore, Ms. L. Gregory is also familiar with all the GDARD/Provincial Environmental policies and guidelines. She assisted and supplied GAUTRANS/former PWV Consortium with Environmental input and reports regarding road network plans, road determinations, preliminary and detailed designs for the past 12 years.

03 Human Resources
032 Members



Consulting

Anè Agenbacht Introduction to Sustainable Environmental Management—An overview of Principles,

Tools, & Issues (Potch 2006)

Leadership Training School (Lewende Woord 2010)

BA Environmental Management (UNISA 2011) PGCE Education (Unisa 2013) - CUM LAUDE

Project Manager

More than 10 years experience in the compilation of various environmental reports

Mary-Lee Van Zyl MSc Plant Science (UP)

BSc (Hons) Plant Science (UP)

BSc Ecology (UP)

More than 3 years working experience in the Environmental field

Specialises in ECO works, Basic Assessments, EIA's, and Flora Reports

Compilation of various Environmental Reports

Dashentha Moodley BA (Hons) Degree in Environmental Management (UNISA) - CUM LAUDE

Bachelor of Social Science in Geography & Environmental Management (UKZN)

More than 6 years experience in WUL Applications & Integrated Environmental Management

within water resource management.

Senior Environmental Practitioner & Water Use Licence Consultant

Specialises in Water Use License & Compilation of various Env. Reports

Nadine Duncan BSc (Hons) Geography (UP)

BSc Landscape Architecture (UP)

More than 10 years experience in compilation of Basic Assessments and EIA Reports

Compilation of various Environmental Reports

Adéle Drake BA Geography & History (UP)

NQF Level 7 Air Quality Management (UJ)

More than 15 years experience in the field of Environmental

Management within Mining Industry (surface and underground),

Forestry Industry, Renewable Energy Industry (WEF), and Environmental Consulting. Also ISO 14000, ISO 9000, and Safety Management Auditor.

03 Human Resources

Ben Bhukwana	BSc Landscape Architecture (UP) More than 6 years experience in the field of Landscape Architecture (Design, Construction, Implementation, and Management). Specialises in Landscape Design, ECO, Rehabilitation Plans and Compilation various environmental reports and Compilation of Tender documents	
Juanita de Beer	Diploma Events Management and Marketing (Damelin) Specializes in Public relations and Public Participation Processes Specialises in compiling various environmental reports	(4 years experience)
Alfred Thomas	CIW Foundation& Internet Marketing (IT Academy)	
Amed momas	12 years experience in GIS and IT in general.	
Bianca Reyneke	GIS Operator and Multimedia Specialist. Applying SHE Principles and Procedures (NOSA)	
,	Intro to SAMTRAC Course (NOSA)	
	SHEQ Coordinator and compilation of environmental reports Specialises in compiling various environmental reports	Service of the servic
A.E. van Wyk	BSc Environmental Sciences (Zoology and Geography) Specialises in compiling various environmental reports	Bokamoso
Ronell Kuppen	BSc (Hons) in Geography (UNISA) BA Environmental and Development (UKZN) More than 5 years experience in Environmental Consulting	
	Specializing in WUL Applications, Waste License Applications, EIAs, Basic Assessments, Public Participations, Borrow Pits Applications and Project Management.	03 Human Resources

Elsa Viviers Interior Decorating (Centurion College)

(Accounting/ Receptionist) and Secretary to Lizelle Gregory

Loura du Toit N. Dip. Professional Teacher (Heidelberg Teachers Training College)

Librarian and PA to the Project Manager

Merriam Mogalaki Administration Assistant with in-house training in bookkeeping

Landscape Contracting

Elias Maloka Assisting with Public Participations and Office Admin

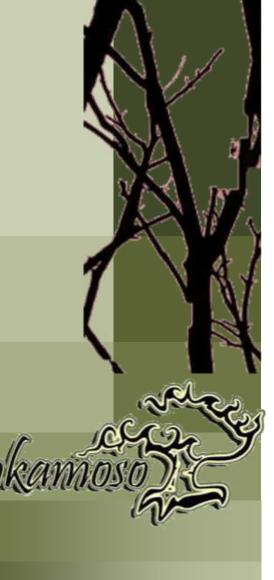
Site manager overseeing landscape installations.

Irrigation design and implementation.

Landscape maintenance

More than 18 years experience in landscape construction works.

The contracting section compromises of six permanently employed black male workers. In many cases the team consists of up to 12 workers, depending on the quantity of work.



03 Human Resources

In-house Specialists

Corné Niemandt MSc Plant Science (UP 2015) – Cum Laude

BSc (Hons) Zoology (UP 2012)

BSc Ecology (UP 2011)

Specialises in vegetation and plant surveys Compilation of fauna and flora specialist reports Compilation of fauna and flora specialist reports

Garth van Rooyen BSc (Hons) Environmental Soil Science

BSc Geology

Soil and Wetland Specialist



03 Human Resources



Environmental Management Services

Basic Assessment Reports

EIA & Scoping Reports

Environmental Management Plans

Environmental Scans

Strategic Environmental Assessments

EMP for Mines

Environmental Input and Evaluation of Spatial Development Frameworks

State of Environmental Reports

- Compilation of Environmental Legislation

and Policy Documents

Environmental Auditing and Monitoring

Environmental Control Officer (ECO)

Visual Impact assessments

 Specialist Assistance with Environmental Legislation Issues and Appeals

Development Process Management

Water Use License applications to DWA

Waste License Application



04 Services

041 Consulting Services

02 Landscape Architecture

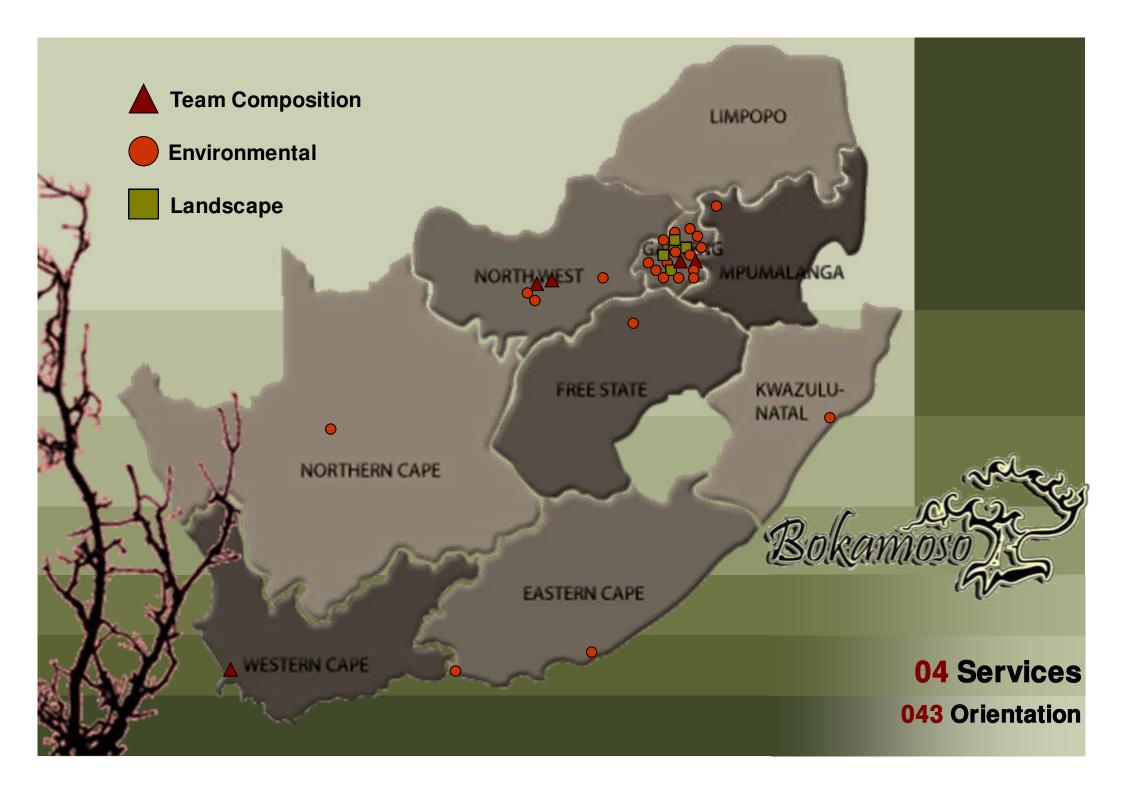
- Master Planning
- Sketch Plans
- Planting Plans
- Working Drawings
- Furniture Design
- Detail Design
- Landscape Development Frameworks
- Landscape Development Plans (LDP)
- Contract and Tender Documentation
- Landscape Rehabilitation Works

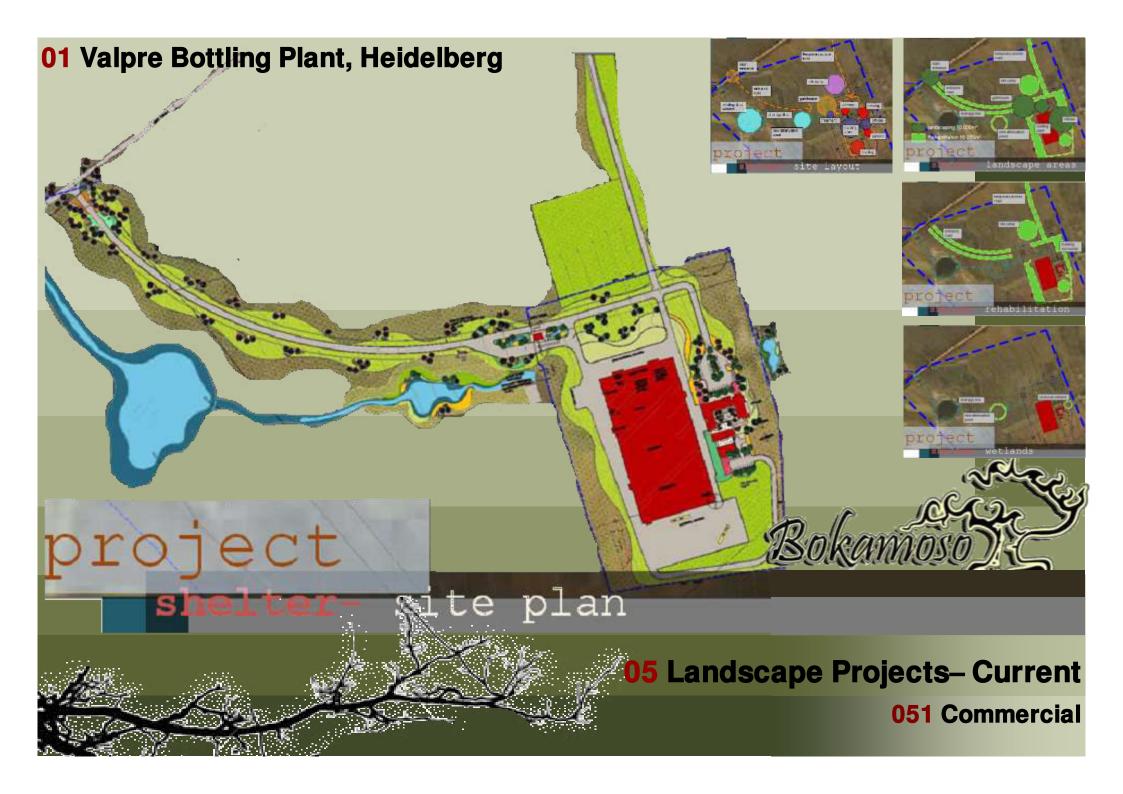
03 Landscape Contracting

Implementation of Plans for:

- Office Parks
- Commercial/ Retail / RecreationalDevelopment
- Residential Complexes
- Private Residential Gardens
- Implementation of irrigation systems







Valpre Bottling Plant, Heidelberg





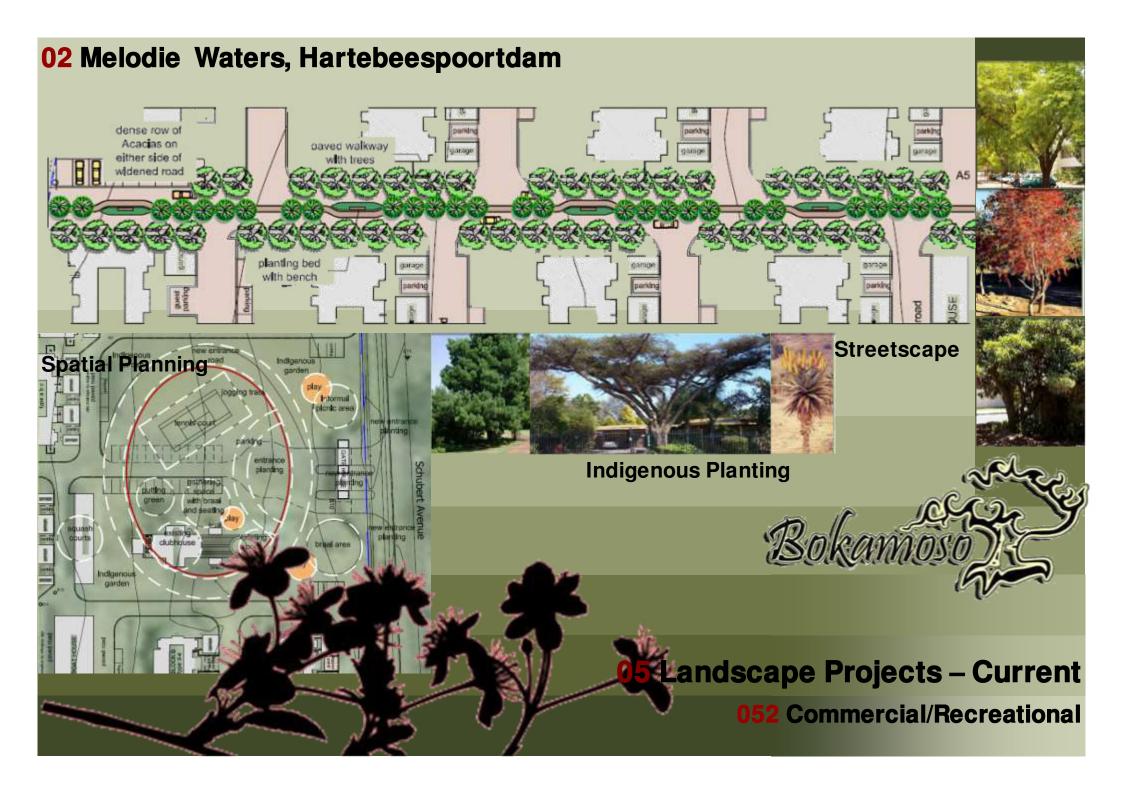


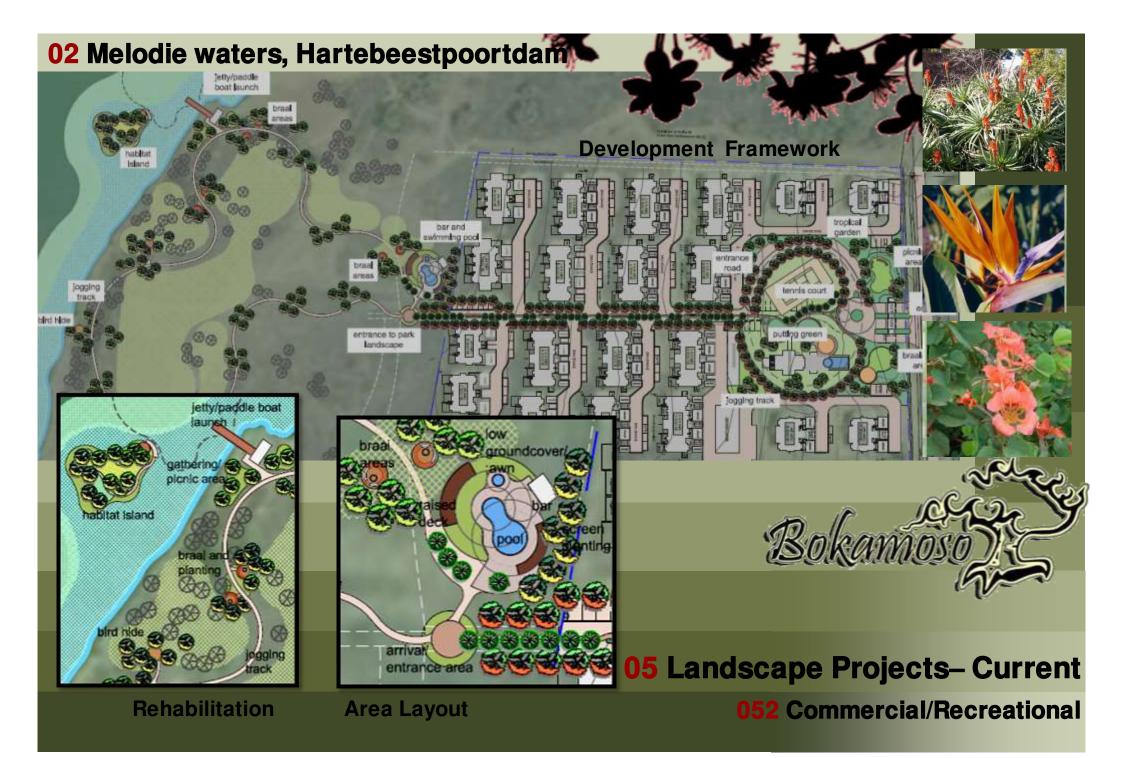
Valpre Bottling Plant, Heidelberg

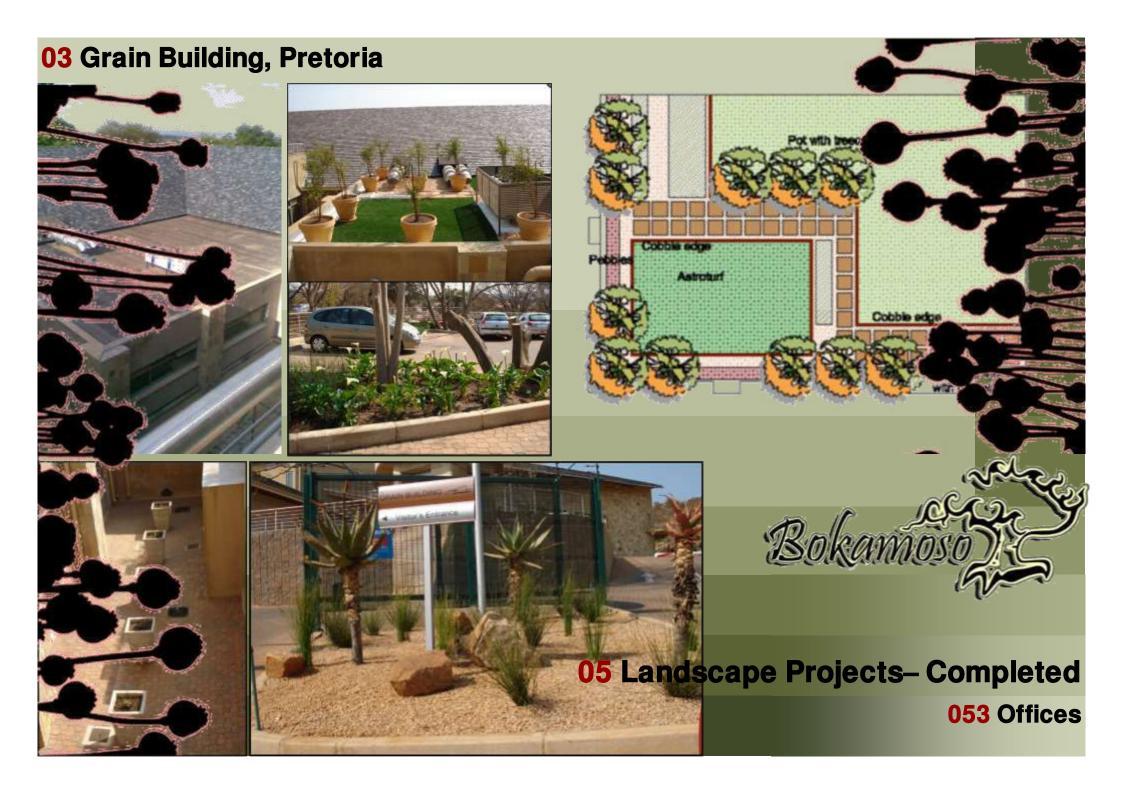


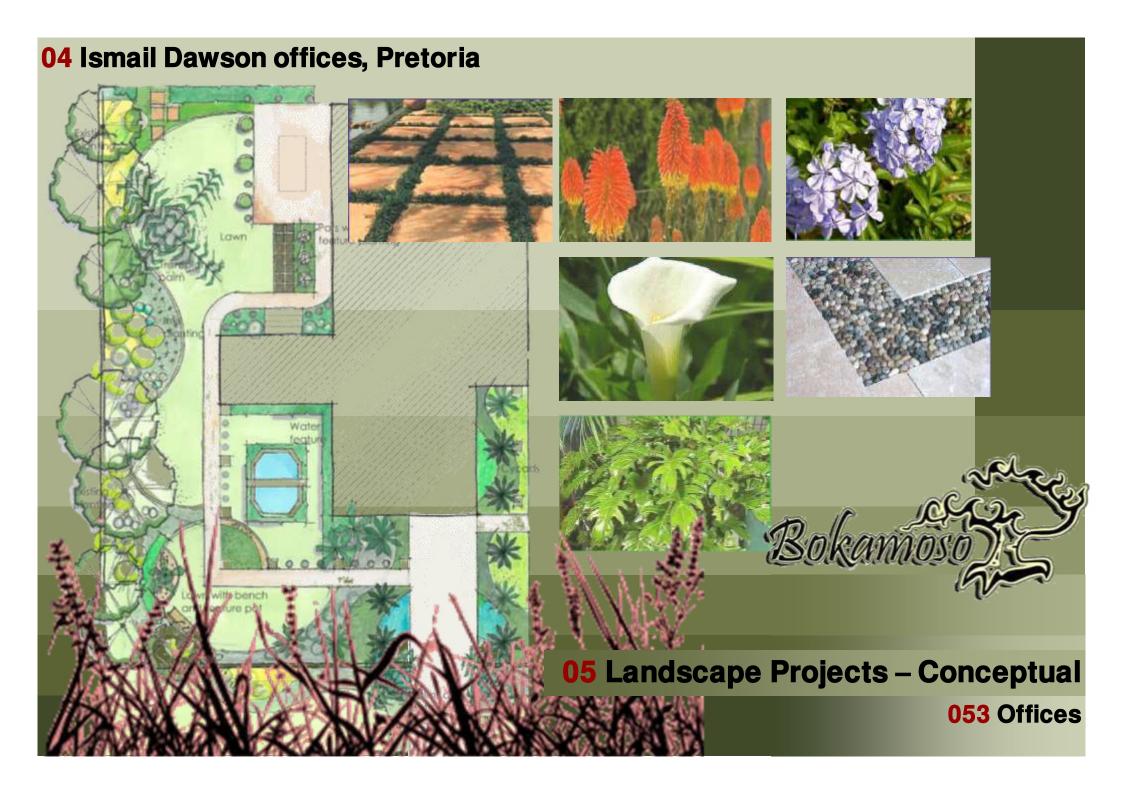
Valpre Bottling Plant, Heidelberg

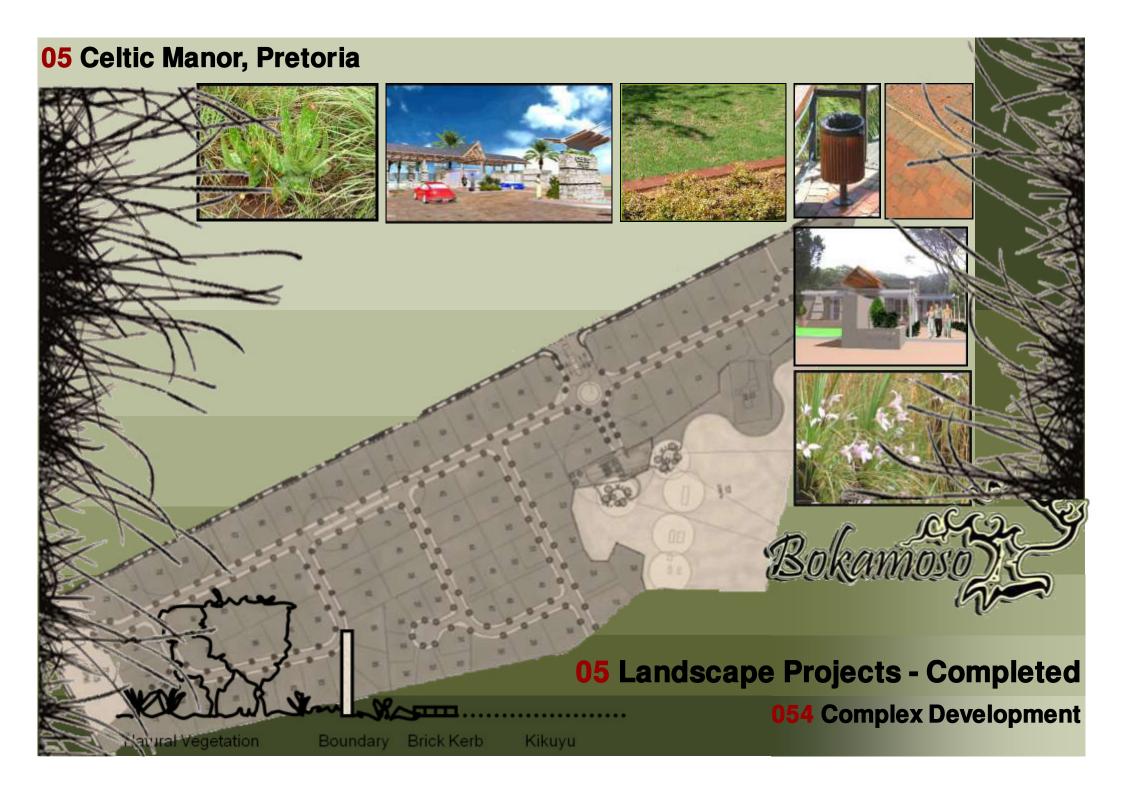


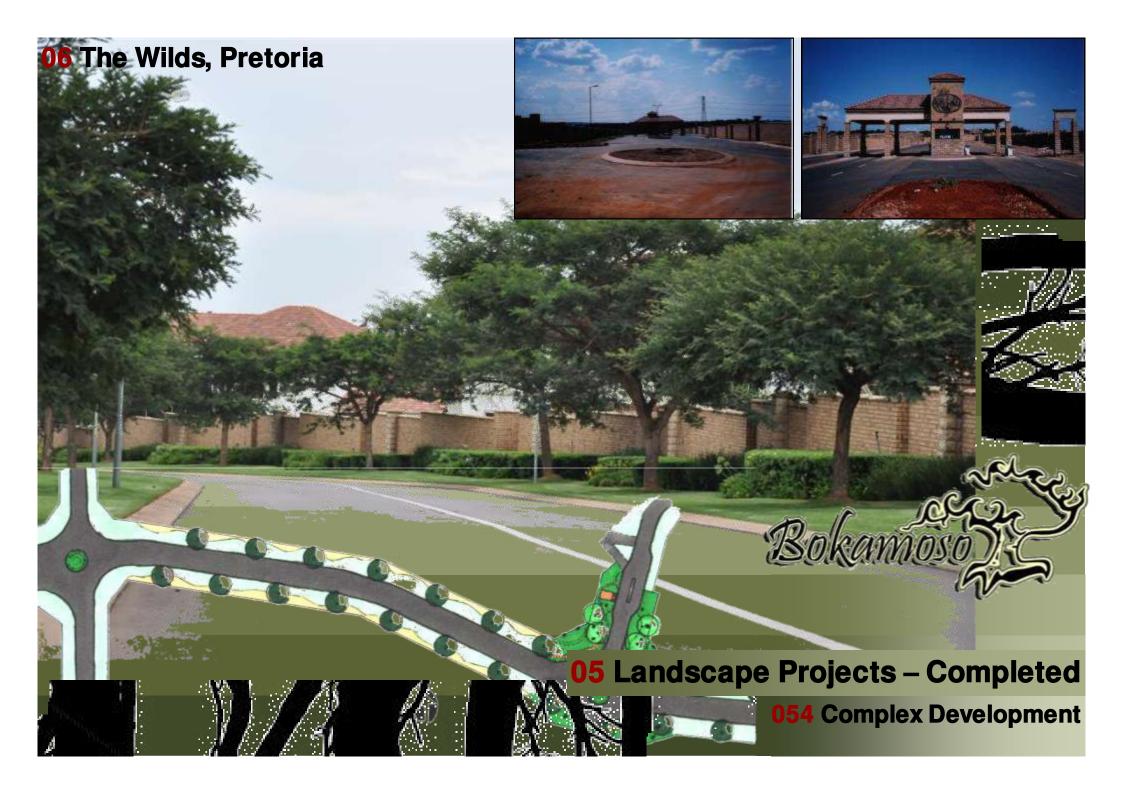








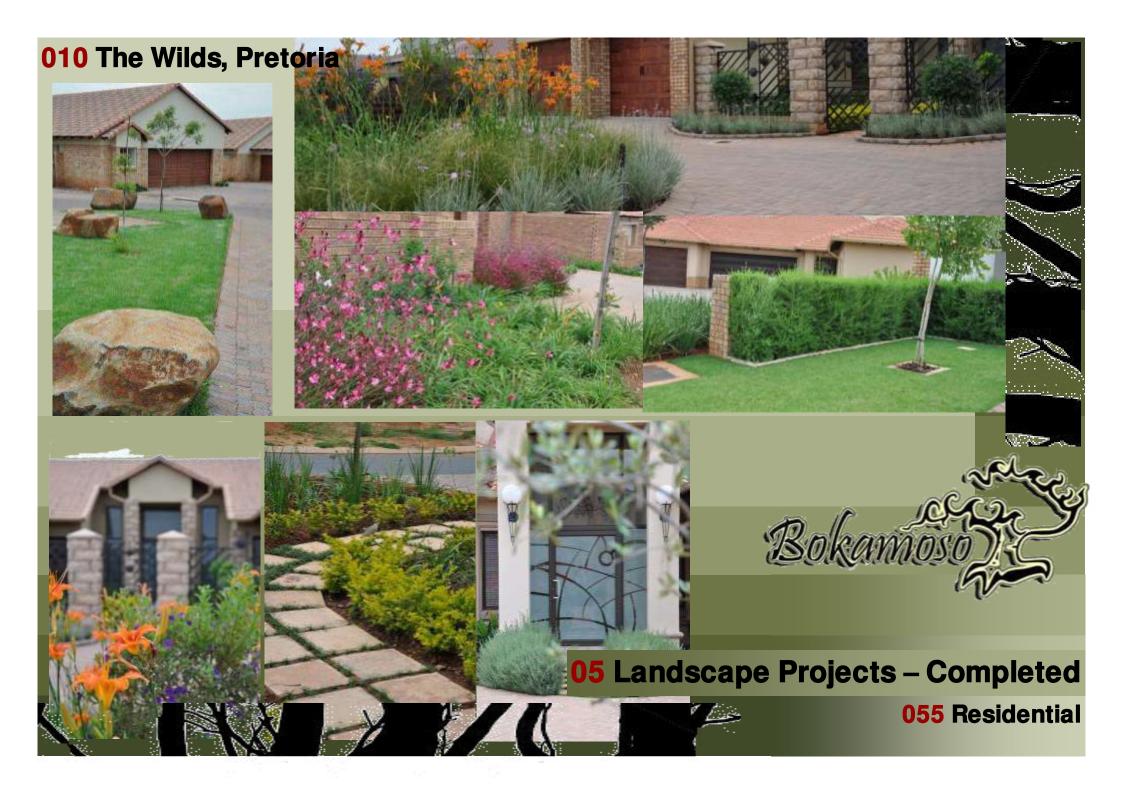






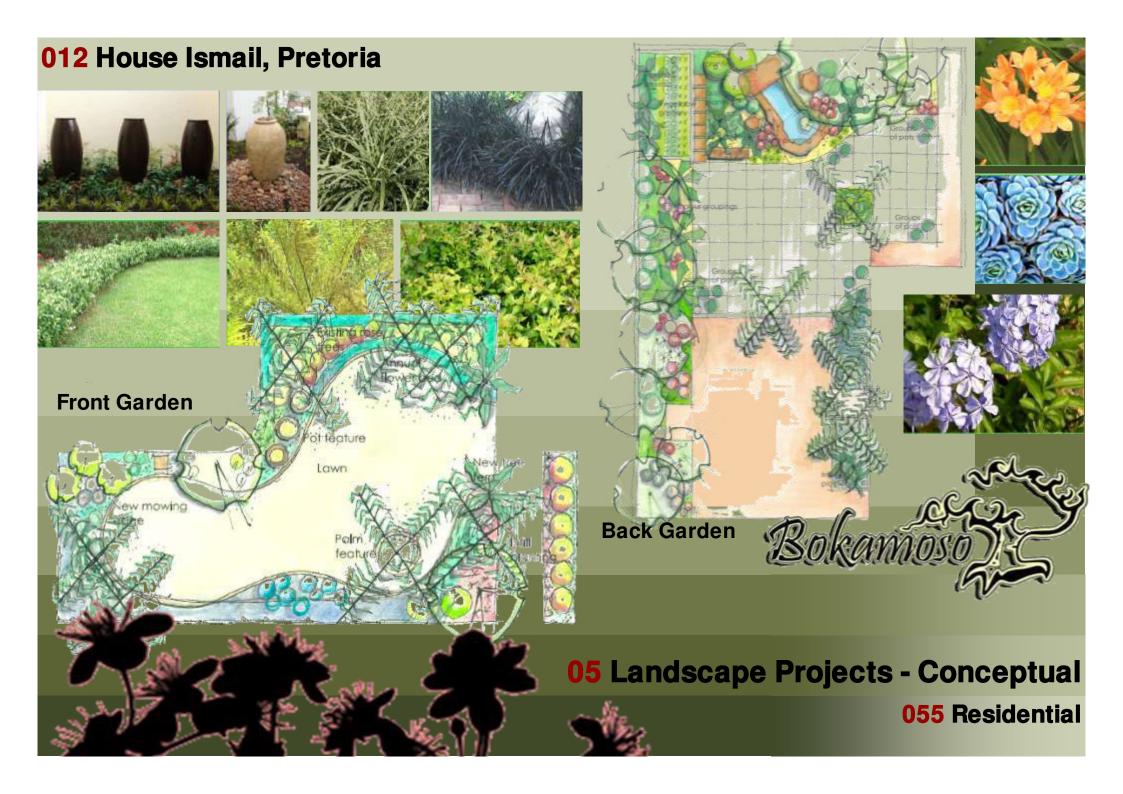






011 Governor of Reserve Bank's Residence, Pretoria











02 UNISA Sunnyside Campus, Pretoria **Best Commercial Paving Plan in Gauteng, 1997 06** Corporate Highlights 061 Awards

Project Name	Status	Project	it	
Environmental Impact Assessment(EIA) and Scoping Report				
Junction 21	ROD	EIA		
5 O'clock site access	In Progress	EIA		
Bokamoso X 1	In Progress	Scoping & EIA		
Doornvallei Phase 6 & 7	In Progress	EIA		
Engen Interchange	In Progress	Scoping & EIA	4	
Erasmia X15	In Progress	EIA	1	
Franschkloof	In Progress	EIA	1	
K113	Amendment of ROD	EIA		
K220 East	ROD	EIA		
K220 West	ROD	EIA		
K54 ROD conditions	In Progress	EIA	5	
Knopjeslaagte 95/Peachtree	ROD	EIA	2	
Knopjeslaagte portion 20 & 21	ROD	EIA	٦_	
Lillieslief/Nooitgedacht	In Progress	EIA	T	
Mooiplaats 70 (Sutherland)	In Progress	EIA	0	
Naauwpoort 1 - 12/Valley View	In Progress	EIA	S	
PeachTree X5	In Progress	EIA	d a	
Strydfontein 60	In Progress	EIA		
Thabe Motswere	In Progress	Scoping & EIA		
Vlakplaats	In Progress	EIA		
Waterval Valley	In Progress	EIA		
Envi	ronmental Opinion			
Doornkloof 68 (Ross)	In Progress	Opinion		
Monavoni X 53	In Progress	BA & Opinion		
Mooikloof (USN)	In Progress	Opinion		
Norwood Mall/Sandspruit	In Progress	Opinion 07 Cu	irr	
Riversong X 9	In Progress	Opinion		
Sud Chemie	In Progress	Opinion		
USN Benjoh Fishing Resort	In Progress	Opinion		



The adjacent list host the status of our current projects. Only a selected amount of projects are displayed.

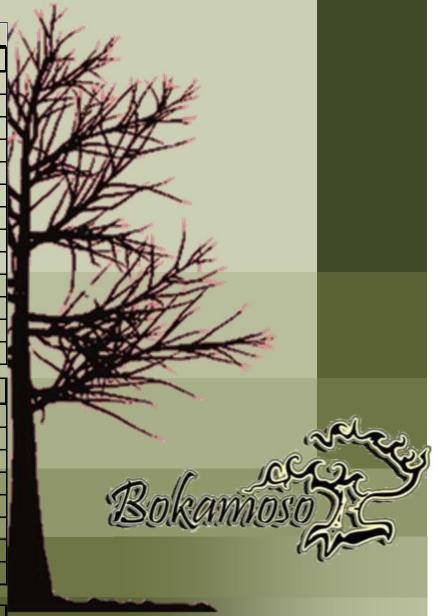
rent Environmental Projects

071 EIA, Scoping& Opinion

Project Name	Status	Project	
Basic Assessment(BA)			
Annlin X 138	In Progress	BA	
Clubview X 29	ROD	BA	
Darrenwood Dam	In Progress	BA	
Durley Holding 90 & 91	In Progress	BA	
Elim	In Progress	BA	
Fochville X 3	In Progress	BA	
Hartebeeshoek 251	In Progress	BA	
Klerksdorp (Matlosana Mall)	In Progress	BA	
Monavoni External Services	ROD	BA	
Monavoni X 45	Amendment of ROD	BA	
Montana X 146	In Progress	BA	
Rooihuiskraal X29	In Progress	BA	
Thorntree Mall	In Progress	BA	

Environmental control officer (ECO)			
Grace Point Church	In Progress	ECO	
R 81	In Progress	ECO	
Highveld X 61	In Progress	ECO	
Mall of the North	In Progress	ECO	
Olievenhoutbosch Road	In Progress	ECO	
Orchards 39	In Progress	ECO	
Pierre van Ryneveld Reservoir	In Progress	ECO	
Project Shelter	In Progress	ECO	

	S24 G		07.0-
Wonderboom	In Progress	S24 G	07 C ı
Mogwasi Guest houses	Completed	S24 G	

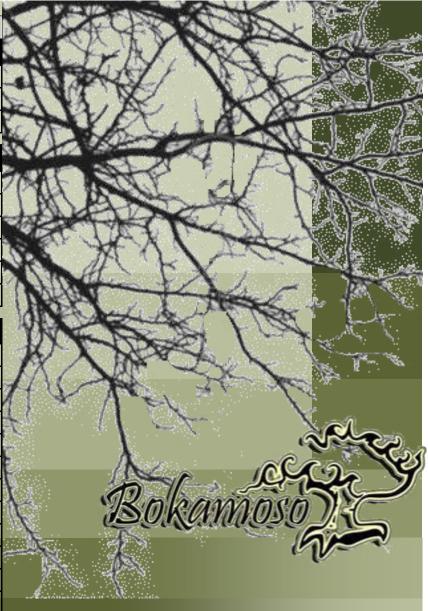


urrent Environmental Projects
072 BA, ECO & S24 G

Project Name	Status	Project	
Objection			
Colesberg WWTW	In Progress	Objection	
Nigel Steelmill	Completed	Objection	
Chantilly Waters	Completed	Objection	

Development facilitation Act- Input (DFA)			
Burgersfort	In Progress	DFA & BA	
Doornpoort Filling Station	In Progress	DFA & EIA & Scoping	
Eastwood Junction	In Progress	DFA	
Ingersol Road (Erf 78, 81 - 83)	In Progress	DFA	
Roos Senekal	In Progress	DFA & EIA & Scoping	
Thaba Meetse 1	In Progress	DFA & EIA & Scoping	

Water Use License Act (WULA)		
Britstown Bulk Water Supply	In Progress	WULA
Celery Road / Green Channel	In Progress	WULA
Clayville X 46	In Progress	WULA
Dindingwe Lodge	In Progress	WULA
Doornpoort Filling Station	In Progress	WULA+DFA+EIA+SC
Eco Park Dam	In Progress	WULA
Groote Drift Potch	In Progress	WULA
Jozini Shopping Centre	In Progress	WULA+BA
K60	Completed	WULA
Maloto Roads	In Progress	WULA
Kwazele Sewage Works	In Progress	WULA
Monavoni External Services	In Progress	WULA+BA
Nyathi Eco Estate	In Progress	WULA 07 C
Prairie Giants X 3	In Progress	WULA
Waveside Water Bottling Plant	Completed	WULA



urrent Environmental Projects

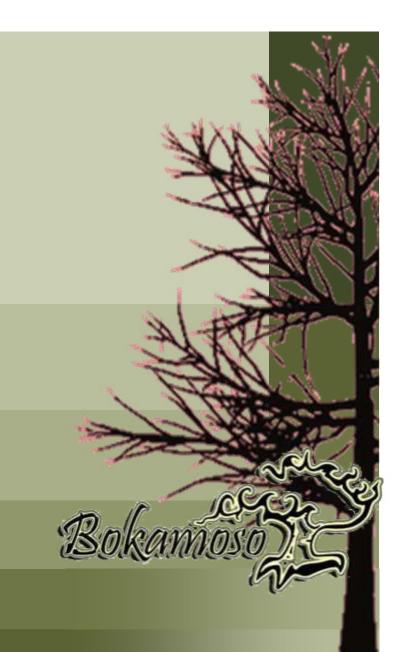
073 Objection, DFA & WULA

Project Name	Status	Project		
Environmen	Environmental Management Plan(EMP)			
Heidelberg X 12	ROD	EMP		
Monavoni Shopping Centre	Completed	EMP		
Forest Hill Development	Completed	EMP		
Weltevreden Farm 105KQ	Completed	EMP+EIA		
Raslouw Holding 93	Completed	EMP+BA		
Durley Development	Completed	EMP+BA		
Rooihuiskraal North X 28	Completed	EMP		

Rehabilitation Plan			
Norwood Mall/Sandspruit	In Progress	Rehabilitation	
Project Shelter Heidelberg	In Progress	Rehabilitation	
Sagewood Attenuation Pond	ROD	Rehabilitation	
Velmore Hotel	Completed	Rehabilitation	
Grace Point Church	Completed	Rehabilitation	
Mmamelodi Pipeline	Completed	Rehabilitation	

Visual Impact Assessment		
Swatzkop Industrial Developme Completed Assessment +DFA		
Erasmia	Completed	Assessment

Signage Application		
Menlyn Advertising	Completed	Signage
The Villa Mall	Completed	Signage+EMP+BA



07 Current Environmental Projects

074 EMP, Rehabilitation, Waste Management & Signage Application





Letter to GDARD regarding the R104 upgrades



LEBOMBO GARDENS BUILDING 36 LEBOMBO ROAD ASHLEA GARDENS

P.O. BOX 11375 MAROELANA 0181

Tel: (012) 346 3810 Fax: 086 570 5659 E-mail: reception@bokamoso.net Website: www.Bokamoso.net



25 October 2016

Gauteng Department of Agriculture
And Rural Development
11 Diagonal Street
Johannesburg

Attention: Mr. Dan Motaung & Me. Trisha Pillay

E-mail: Dan.Motaung@gauteng.gov.za

TRISHA.PILLAY@gauteng.gov.za

RE: RIVERWALK BASIC ASSESSMENT APPLICATION FOR EXTERNAL SERVICES AND
THE INCORPORATION OF THE LISTED SECTION OF THE SANRAL ROAD (R104) AS
PART OF THE APPLICATION FOR THE RIVERWALK EXTERNAL SERVICES BASIC
ASSESSMENT APPLICATION

APPLICATION REFERENCE NUMBER: Gaut 002/16-17/E0152

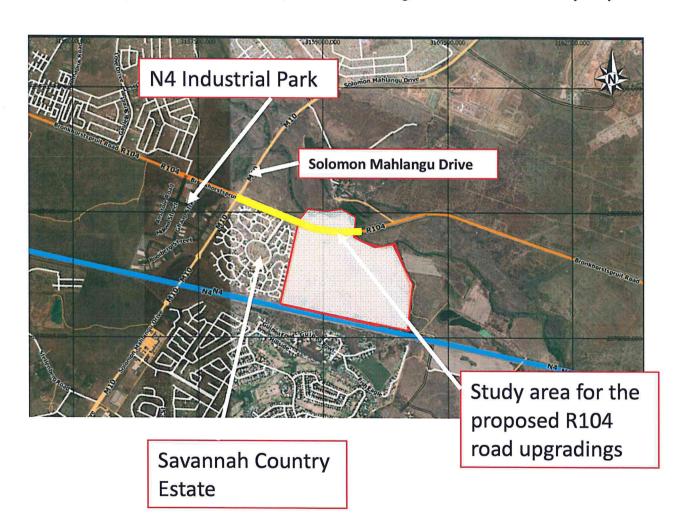
The meeting held at your offices regarding the above-mentioned matter on 10 October 2016 refers. The following parties attended the meeting: Mr Dan Motaung and Me. Trish Pillay of GDARD and Mrs. Lizelle Gregory of Bokamoso.

Firstly, I would like to thank you for affording Bokamoso an opportunity to meet with you on such short notice. Your inputs are regarded as very valuable and are much appreciated.

To follow is a short summary of the discussions and decisions taken during the meeting:

It was explained by Mrs. Gregory that the Basic Assessment Process for the external services and proposed activities below the flood line and within the 32m watercourse buffer of the Riverwalk development (formerly known as the African Renaissance Proper Golf Estate Development and hereinafter only referred to as the Riverwalk development) is almost completed. It was furthermore explained that the draft BAR is currently available for comments from the I&APs and stakeholders and that the report will be finalized and submitted to the Department for a Decision shortly.

Mrs. Gregory then explained that the traffic upgradings required for the proposed new Riverwalk Development includes an upgrading of the R104, which stretches through the northern tip of the Riverwalk study area. *Refer to Figure below for the locality map*



Mrs. Gregory supplied Background Regarding the Section of the R104 that needs to be upgraded:

The roads fall under the jurisdiction of SANRAL and SANRAL already received a positive Decision from DEA for the required upgradings. SANRAL is also in possession of a Section 21 WUL for the required upgradings. When Bokamoso became involved in the Riverwalk Amendment Application and in the BA process for the activities within the wetland/ watercourse areas and watercourse buffer areas, we were informed that there is already a record of Decision and a Section 21 WUL issued for the proposed upgradings and Bokamoso managed to obtain the relevant authorisation and license from SANRAL. The wayleave which allows Balwin (the developer) to commence with construction from an engineering point of view has also been issued by SANRAL and the appointed civil engineers already awarded the tender for the required upgrading works that is programmed to commence within the next two weeks.

After Bokamoso received the Record of Decision issued by DEA and the S21WUL issued by DWS, several discussion meetings were held with the involved authorities and parties to discuss the aspects associated with the construction from an environmental compliance point of view. DWS confirmed that they issued a Section 21 WUL for the road upgradings and confirmed (in writing) that they will support an amendment of the existing license to accommodate the proposed culvert extension and additional gabions required for the upgradings. *Refer to Addendum A for a copy of the DWS letter*

During the PP Process for the BAR and the Amendment Application for Riverwalk, Bokamoso also had several discussion meetings at the offices of SANRAL to communicate the proposed amendment to the S21 WUL with the Department and to confirm whether it will be possible to proceed with the construction/upgradings works as approved in the RoD. The intention was to conduct the construction works under the authorisations already issued to SANRAL, especially since there are time constraints associated with the proposed upgrading works.

Unfortunately, the SANRAL environmental division did not agree to the proposed amendment of the S21WUL and the division also indicated that they believed the RoD lapsed. SANRAL furthermore stated that they cannot take responsibility/ be held liable for construction activities executed by private developers and contractors from an environmental compliance point of view and recommended that Balwin obtain their own S21WUL and environmental authorisation for the proposed road upgradings. SANRAL confirmed that they believe that only Activity 19 of Listing Notice 1 will be triggered at the point where the R104 traverse a man-made/modified channel.

After many meetings and discussions, Bokamoso recommended that Balwin rather apply for the environmental authorisation and Section 21 WUL for the construction and upgrading phases of the section of the road that needs to be upgraded by them.

DWS confirmed during a recent meeting that they will consider it to grant a General Authorization (GA) in terms of the newly published GA provisions as published in a Government Notice and indicated that DWS aims to issue GAs within 30 days. We are currently awaiting the necessary confirmation letter from Mr. Piet Ackerman of DWS, who also visited the study area. The General Authorisation application will be for the construction within 500m from a wetland, possible impacts on the 1:100 year flood line and for the culvert extension associated with the watercourse crossing.

Bokamoso furthermore contacted DEA and enquired whether it will be possible to delegate their powers to GDARD for the evaluation of a BA for the road upgradings required at the point where the man-made/modified channel is crossed. DEA requested that Bokamoso consult with GDARD regarding this matter and confirmed that it will be supported if GDARD agrees to accept the application on their behalf, since they are already involved in other EIA related applications associated with the Riverwalk development.

Based on the above, it was decided to arrange an urgent meeting with GDARD (with yourselves as officials responsible for the evaluation of the Riverwalk applications) to discuss the matter and to request that GDARD also consider the application for the

watercourse crossing of the R104 as part of an integrated Basic Assessment Application for the services. The purpose of the meeting was also to confirm whether the proposed upgradings to the road are still listed in terms of the 2014 NEM EIA Regulations. The previous EIA application for the road upgradings were conducted in terms of former EIA Regulations and before the GPEMF came into effect.

To follow now is a summary of the specific matters discussed in the meeting and the outcome/ way forward which was agreed upon for each matter:

- 1) <u>Determination whether the proposed road upgradings for the involved section of</u> the R104 are listed in terms of the 2014 NEMA EIA Regulations
- Confirmation whether the man-made/ modified channel to be crossed is regarded as a watercourse as described in the NEMA EIA Regulations

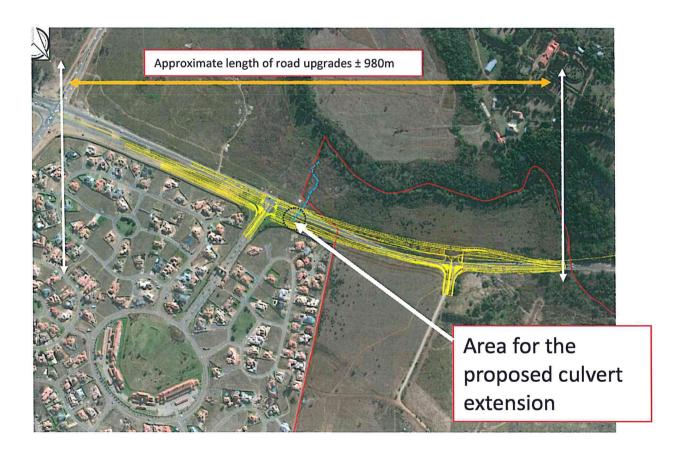
According to the 1:50 000 map, the channel/modified watercourse was linked to an old farm dam, which was situated on the Savanna Estate study area to the west of the Riverwalk study area. The entire drainage channel and dam is destroyed by development and the only remnant of this highly altered watercourse is the section from the R104 towards the river.

It was requested that Mr. Motaung confirm whether this highly altered/ now artificial drainage channel (associated wit storm water) is regarded as a watercourse as defined in the NEMA EIA regulations and whether such "watercourse" crossing triggers a NEMA listed activity, more specifically Activity 19.

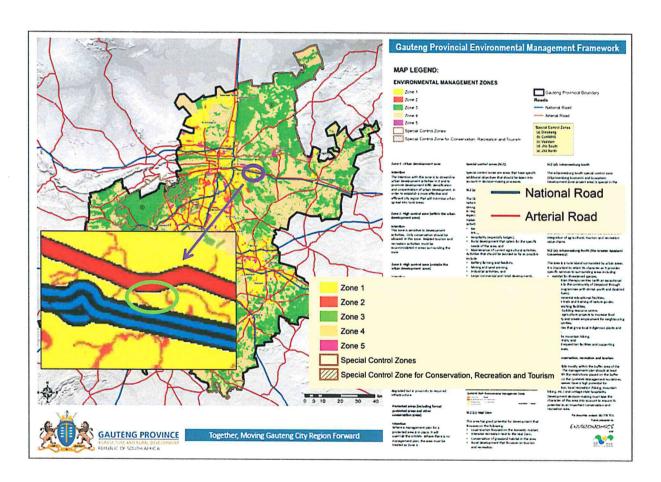
Mr. Motaung confirmed that one can argue about this matter, but recommended that we rather follow the cautious approach. He stated that a man-made/altered channel can be regarded as a watercourse/ wetland, especially if an ecological system of some kind already established around and within such a channel.

The Bokamoso ecological specialist confirmed that an ecological system formed around the channel, but that the area earmarked for the road upgrading is already disturbed and that edge effects associated with former road construction and maintenance activities as well as the Savannah Development already had significant impacts on the ecological systems.

The proposed road upgrading works is approximately 1km in length and only approximately 80-90m of the route to be upgraded is affected by the watercourse crossing. It was confirmed at the meeting that the remainder of the upgrading works will not trigger any activities as listed in the 2014 NEMA EIA Regulations, because the proposed road upgradings will take place within the urban development boundary/ urban edge. The GPEMF was also used by the parties present to confirm that the proposed road upgradings will take place within the urban development boundary.



It was confirmed during the meeting that the City of Tshwane already approved the proposed Riverwalk development and that the study area is situated within the urban edge as determined by the local authority. It was furthermore confirmed by Mr. Motaung and Me. Pillay that the study area is situated within the GPEMF Zone 1, which is defined in the framework as an urban development zone. The exemptions with regards to certain listed activities associated with infrastructure is therefore applicable. It was confirmed that the only section subject to an EIA application will be the section of the road that is affected by a watercourse/ wetland area as defined in the NEMA EIA Regulations.

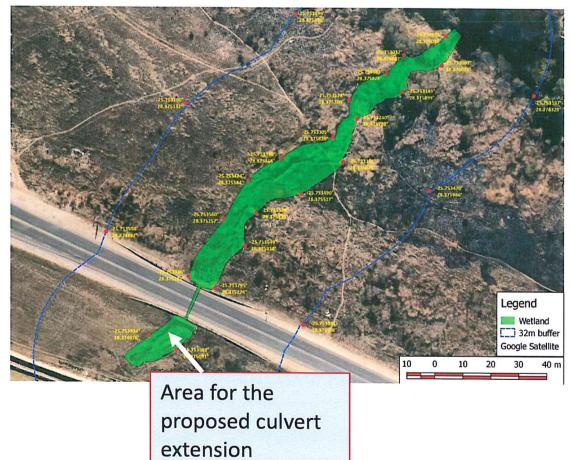


Based on the above, the department made the following recommendations:

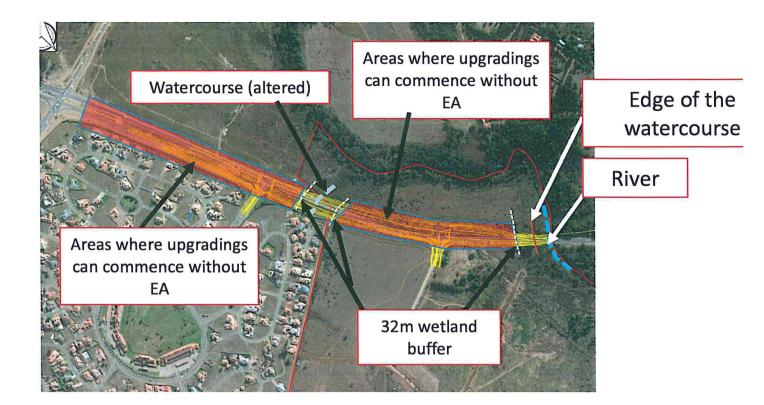
- The construction/upgradings of the section of the road that is not listed can commence, because it does not trigger any NEMA listed activities;

- It will be necessary to conduct a wetland delineation and a wetland buffer delineation of the man-made/modified watercourse. If the man-made watercourse is regarded as a proper watercourse as described in the Regulations, the construction workers must refrain from working in the wetland area/ wetland buffer area until the required EIA authorization and S21WUL/GA are issued by GDARD and DWS respectively;
- It will be necessary to confirm, from an ecological point of view whether there are any sensitive ecological features associated with the watercourse;
- The wetland/ watercourse area and the watercourse/ wetland buffer zone must be delineated and fenced-off/ demarcated prior to the commencement of the construction activities; Refer to Figure below and Addendum B for wetland delineation.

 Also, take note that a recent ecological assessment confirmed that the affected area is disturbed and no red data species were identified.
- There is also a major river crossing/bridge at the eastern end of the proposed upgradings. Even though the road upgradings works will terminate before the bridge crossing, it will be important to also delineate the wetland/ river buffer areas to prevent construction workers from entering such sensitive areas.







 Confirmation of the type of application required for the watercourse crossing, which will require a culvert extension underneath the road widening, some measures to prevent erosion and some rehabilitation works

It was explained in the meeting that Bokamoso is currently following a BA process for the external services, rehabilitation works and other associated works to be conducted along the Riverwalk study area river, which runs through the northern section of the study area. It was decided to conduct a Basic Assessment, because the existing EIA authorization for the African Renaissance Proper Golf Estate Development, which included construction works within the watercourse and watercourse buffer, did not authorize activities associated with a watercourse/ watercourse buffer.

The upgrading to be constructed by Balwin on the R104 for purpose of supplying a safe access to the Riverwalk study area and to accommodate the increased traffic, forms part

and parcel of the external services and infrastructure upgradings required for the larger development.

It was therefore proposed that GDARD allow Bokamoso to include the upgrading of the section of the R104, which triggers a listed activity as part of the BA Process currently being followed and of which the Draft Report is currently being considered by GDARD.

Mr. Dan Motaung of GDARD confirmed that it will be possible to incorporate the application for the upgrading of the involved section of Road R104 as part of the Basic Assessment Application (under their delegated powers), because the road upgradings are considered as an integral part of the services and infrastructure upgradings required to accommodate the Riverwalk project. It was also confirmed that the BA application already included the activities that could be triggered by the proposed watercourse crossing.

It was however recommended that Bokamoso inform all the Registered I&APs, organs of state and other stakeholders of the inclusion of the involved section of the proposed road as part of the Basic Assessment Application.

Bokamoso confirm that such additional public participation was conducted and that all I&APs, organs of state and stakeholders were notified of the proposed R104 watercourse crossing and such parties were also supplied with the relevant drawings. We received no objections against the proposed inclusion of a section of the R104 upgrading activities (at the watercourse crossing). *Refer to Addendum C for additional public participation conducted to include the involved section of the R104*

Please confirm receipt of this correspondence and that you agree with the contents thereof.

Regards

Lizelle Gregory

Bokamoso Landscape Architects and Environmental Consultants CC