

01 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 / Recreational Development
- Residential Complexes
- Private Residential Gardens
- Implementation of irrigation systems



Bokamoso 

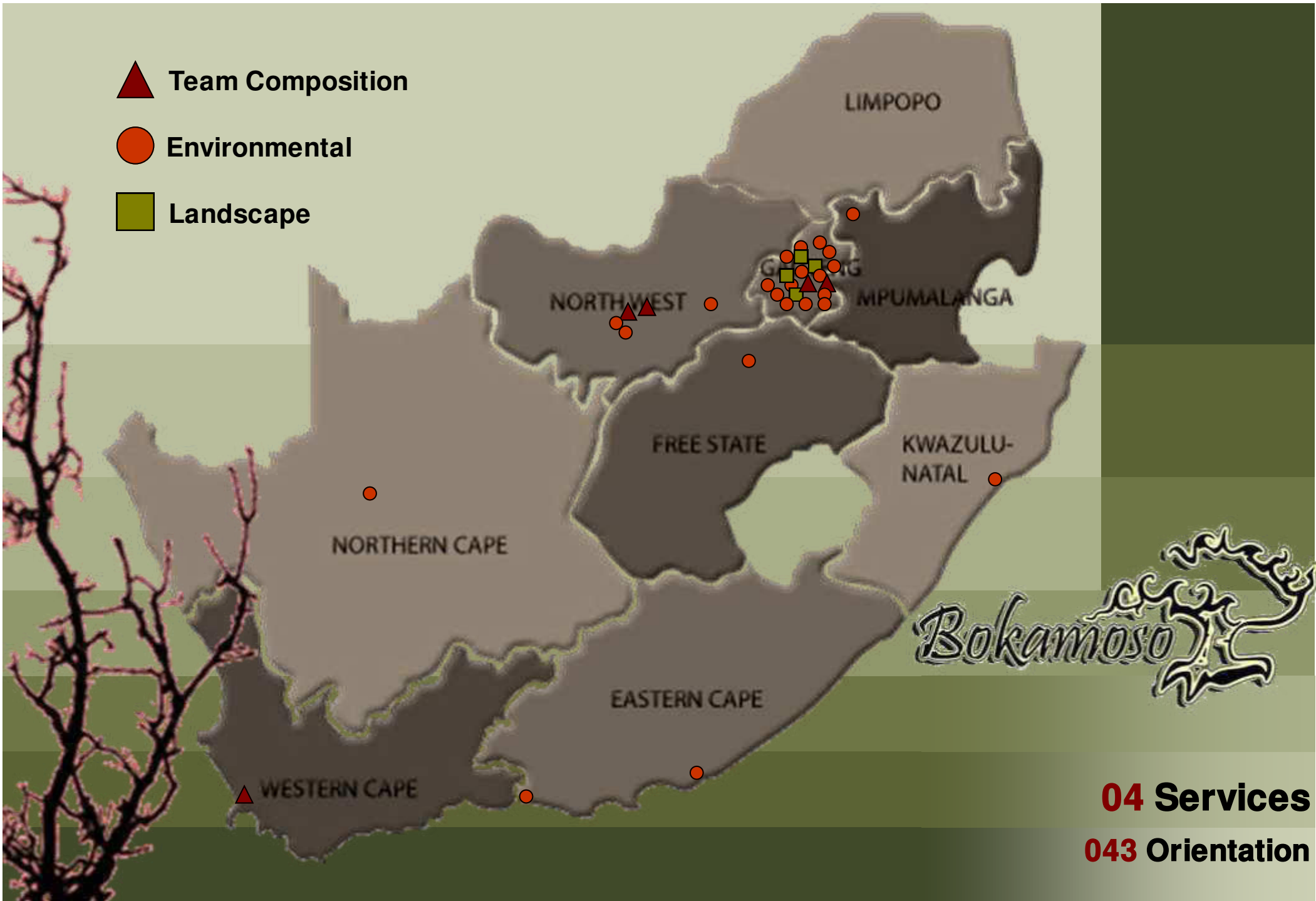
04 Services

042 Contracting Services

▲ Team Composition

● Environmental

■ Landscape

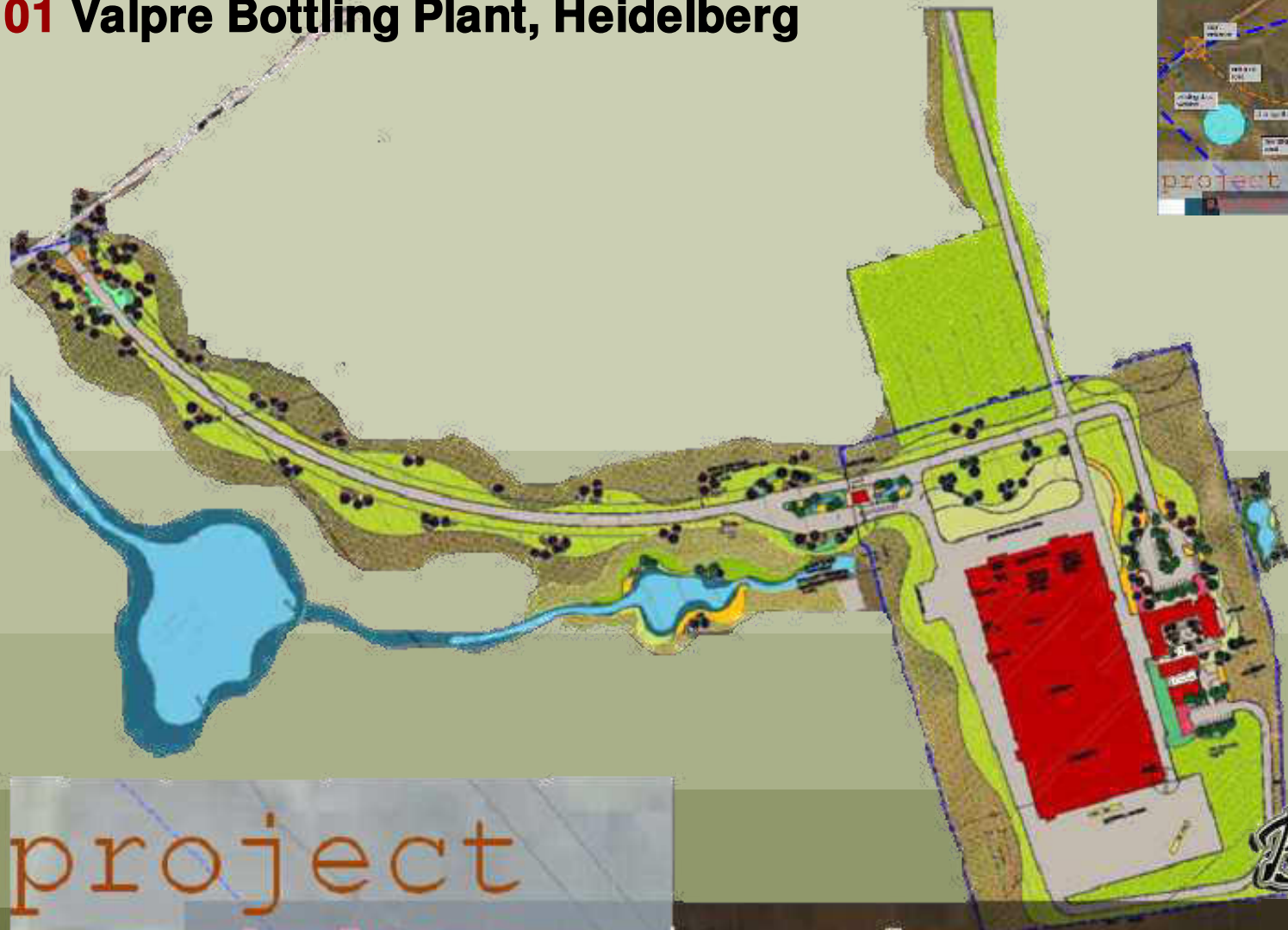


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04 Services

043 Orientation

01 Valpre Bottling Plant, Heidelberg



project
shelter- site plan

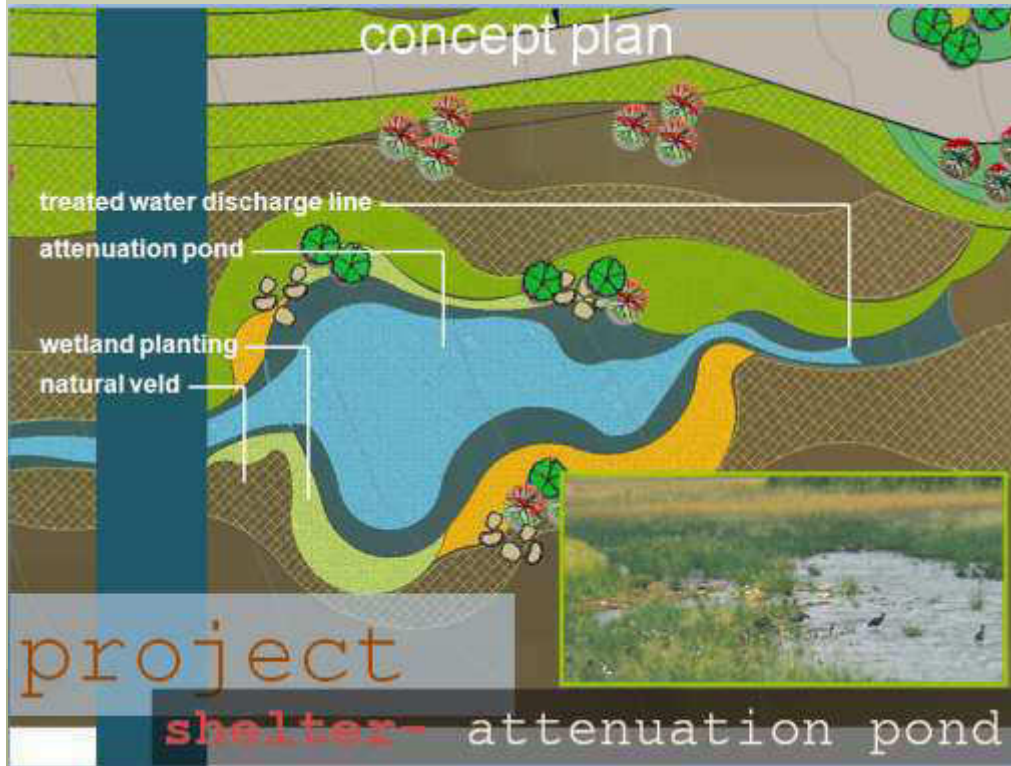


05 Landscape Projects- Current

051 Commercial



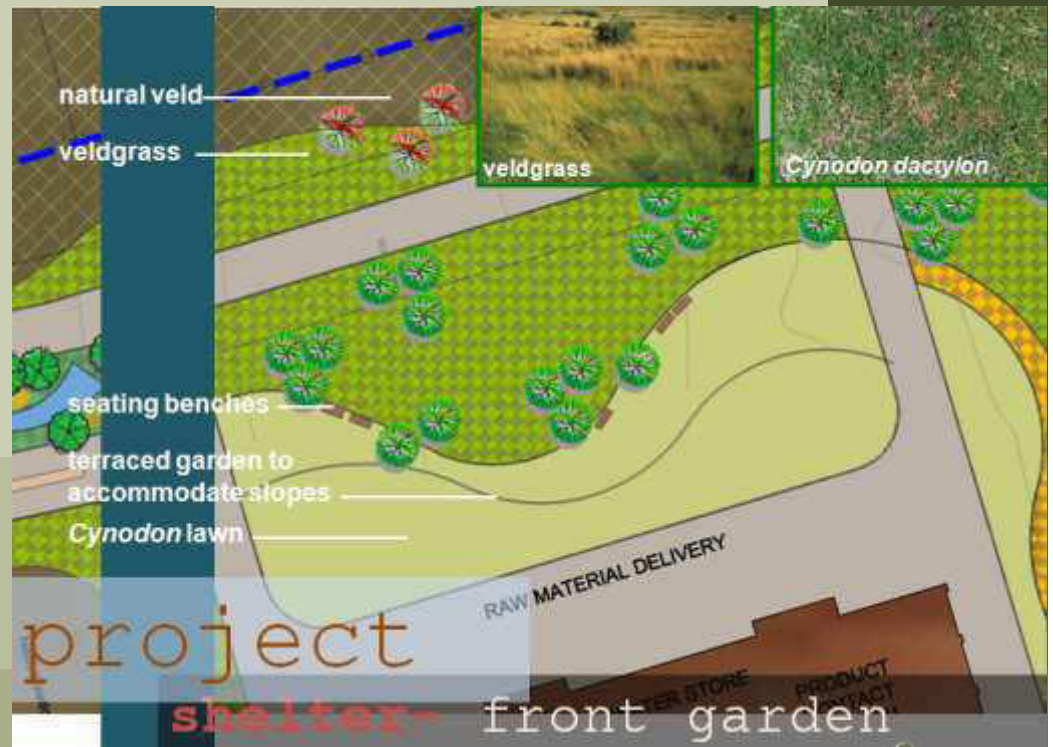
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05 Landscape Projects- Current

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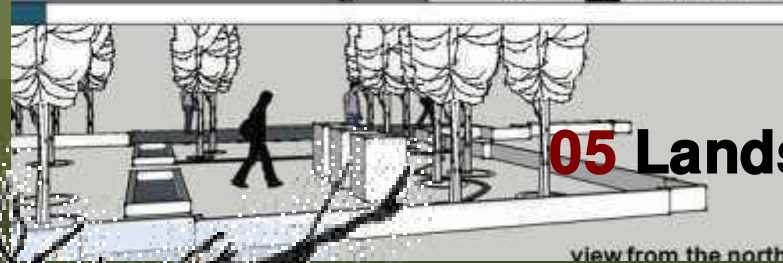
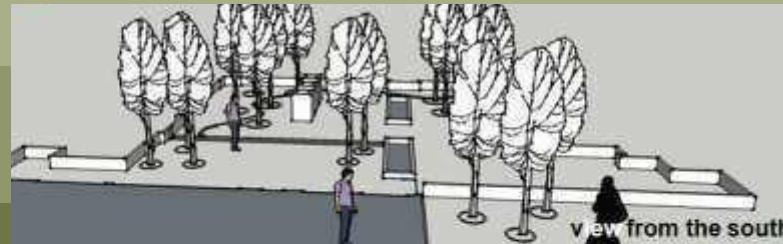
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05 Landscape Projects– Current

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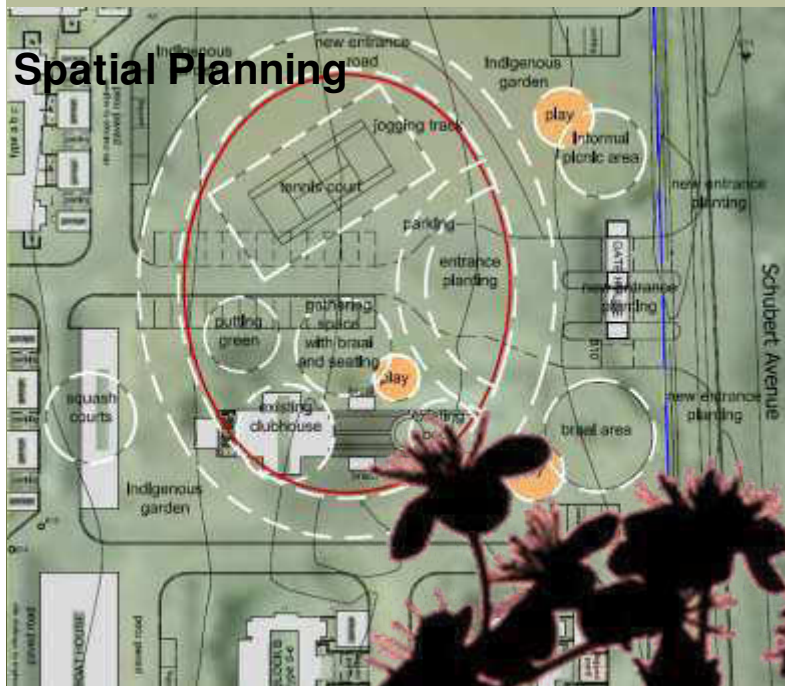
01 Valpre Bottling Plant, Heidelberg



05 Landscape Projects- Current

051 Commercial

02 Melodie Waters, Hartebeespoortdam



Streetscape

Indigenous Planting



05 Landscape Projects – Current

052 Commercial/Recreational



02 Melodie waters, Hartebeestpoortdam



Rehabilitation



Area Layout



05 Landscape Projects– Current

052 Commercial/Recreational

03 Grain Building, Pretoria



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05 Landscape Projects– Completed

053 Offices

04 Ismail Dawson offices, Pretoria



Bokamoso

05 Landscape Projects – Conceptual

053 Offices

05 Celtic Manor, Pretoria

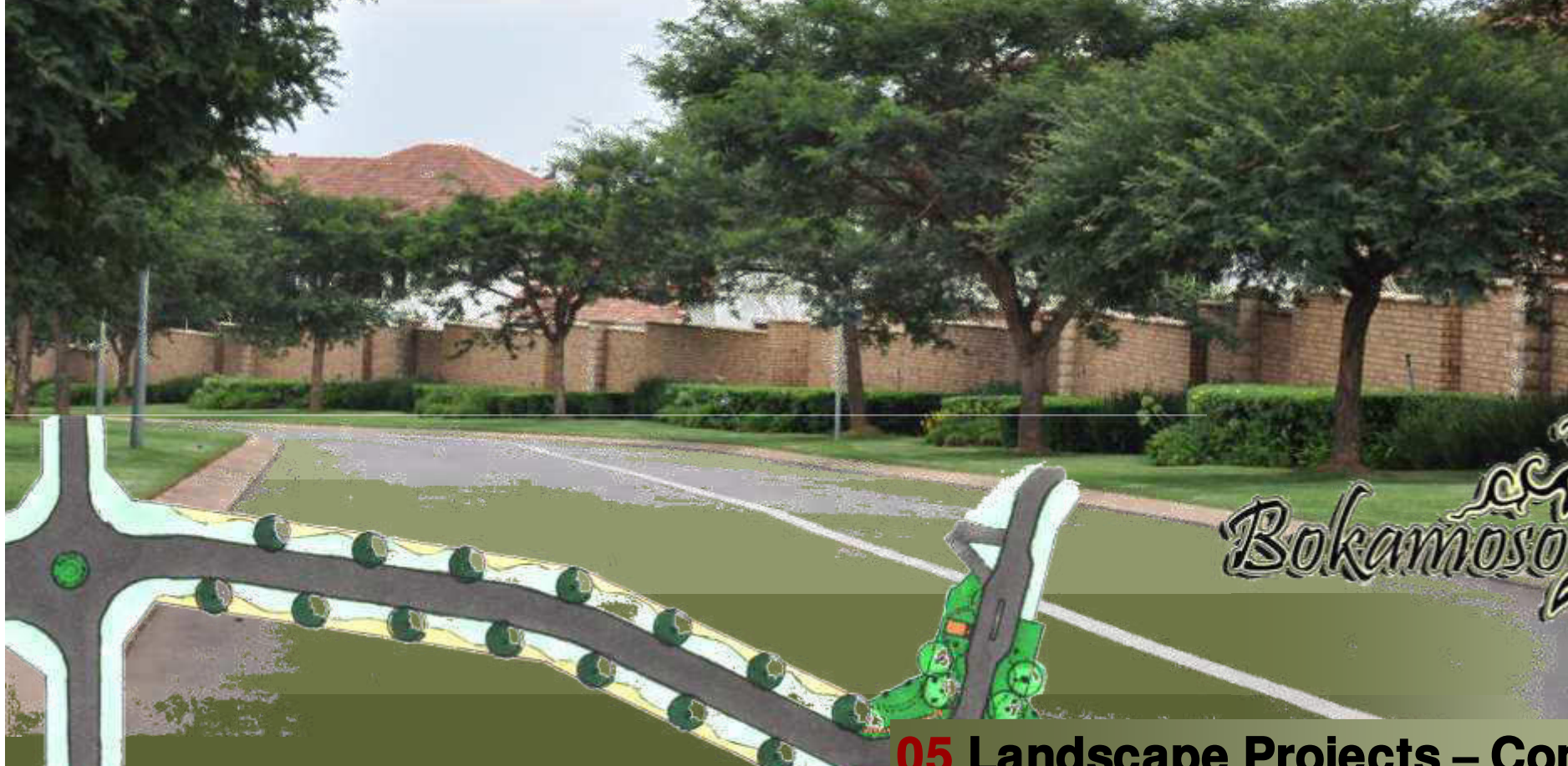


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05 Landscape Projects - Completed

054 Complex Development

06 The Wilds, Pretoria



Bokamoso

05 Landscape Projects – Completed

054 Complex Development

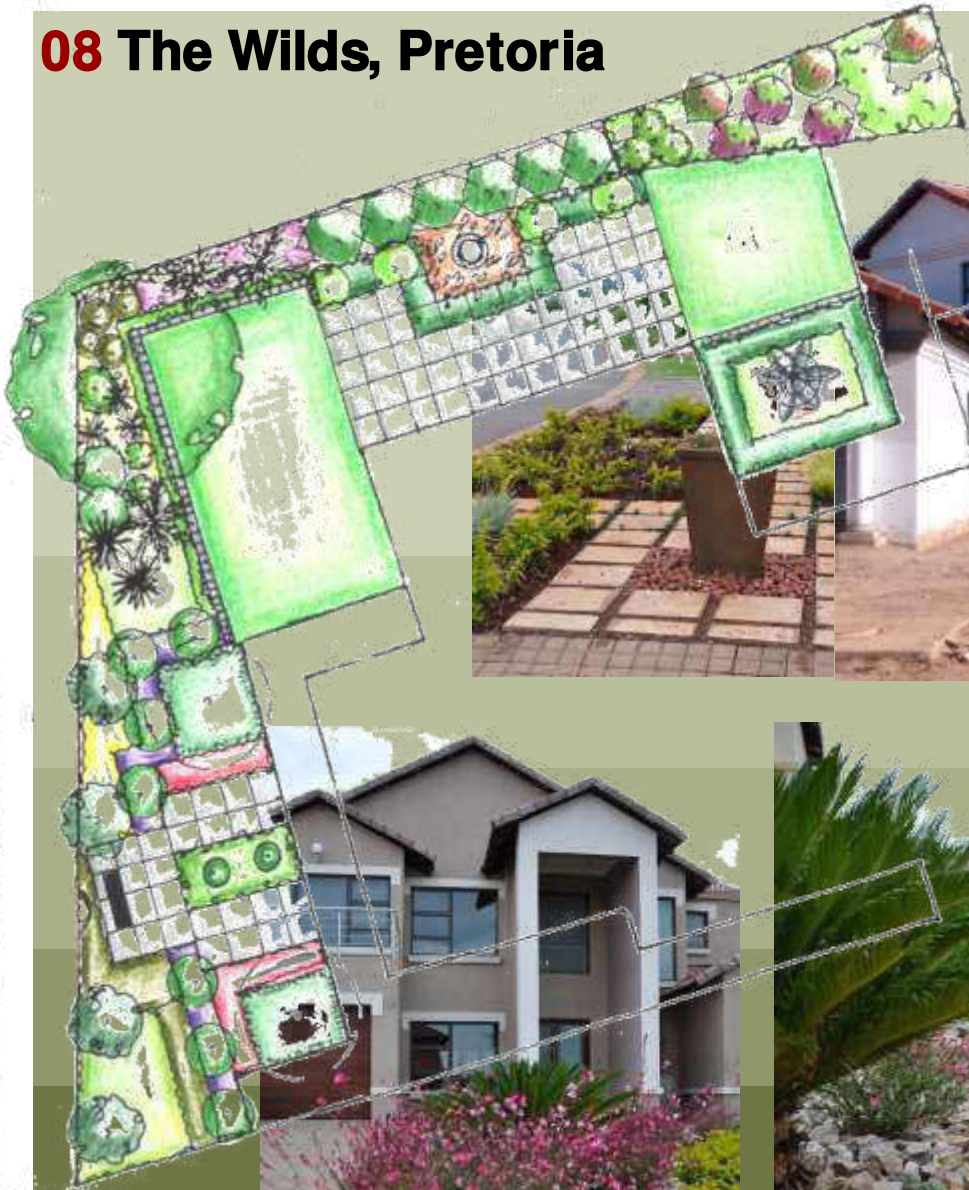
07 The Wilds, Pretoria



05 Landscape Projects – Completed

055 Residential

08 The Wilds, Pretoria



Bokamoso

05 Landscape Projects – Completed

055 Residential

09 The Wilds, Pretoria



Bokamoso

05 Landscape Projects – Completed

055 Residential

010 The Wilds, Pretoria



Bokamoso

05 Landscape Projects – Completed

055 Residential

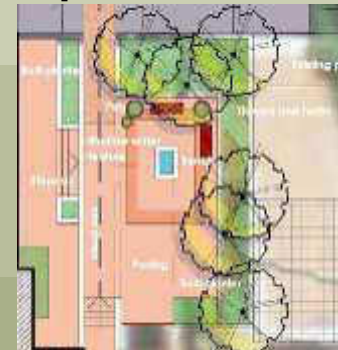
011 Governor of Reserve Bank's Residence, Pretoria



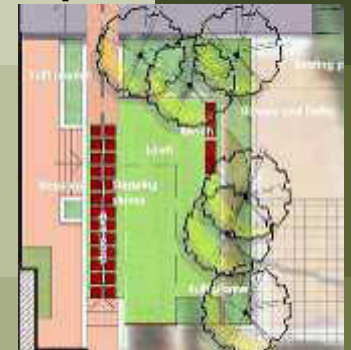
Plant Palette



Option 1



Option 2



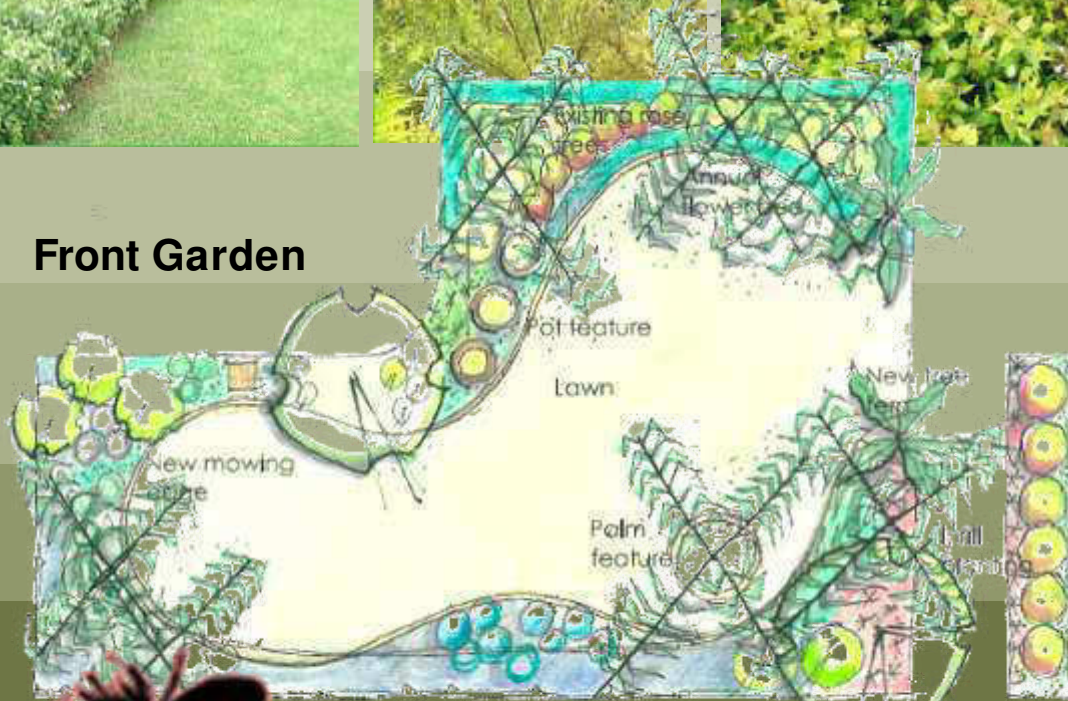
05 Landscape Projects – Conceptual

055 Residential

012 House Ismail, Pretoria



Front Garden

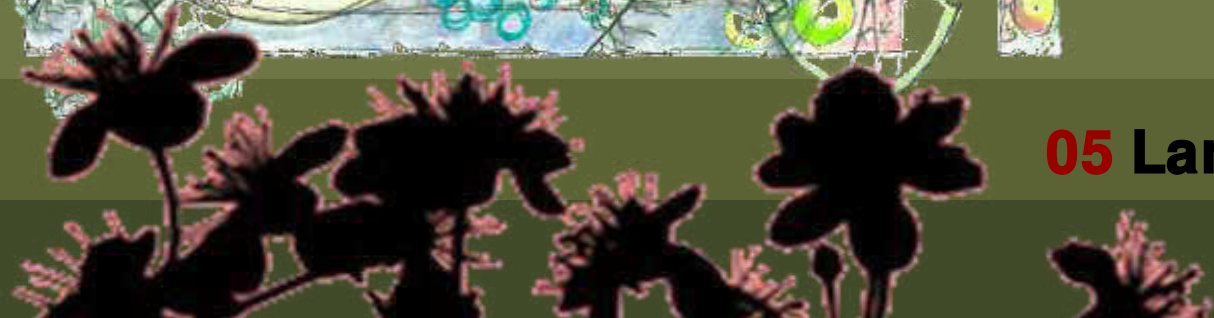


Back Garden



05 Landscape Projects - Conceptual

055 Residential



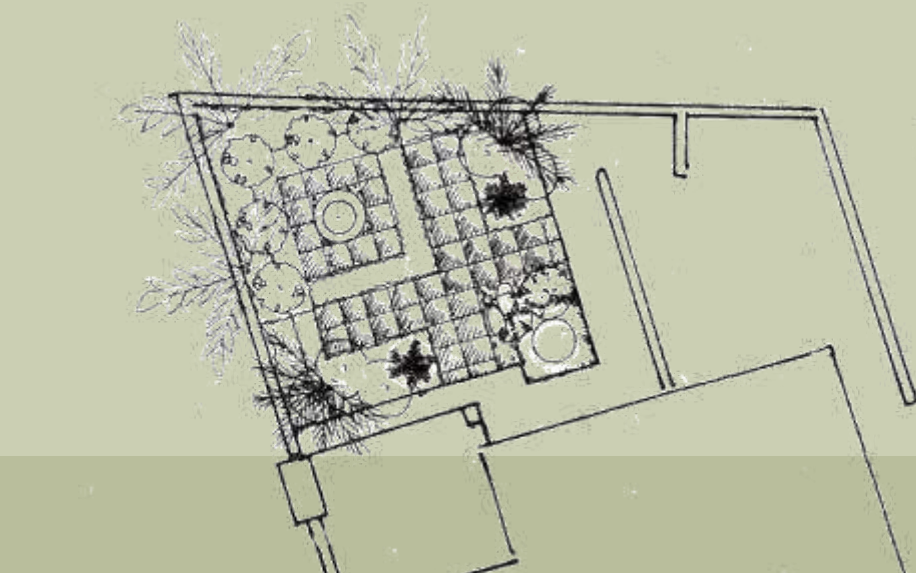
013 Forest Garden, Pretoria



05 Landscape Projects – Completed

055 Residential

015 Forest Garden, Pretoria



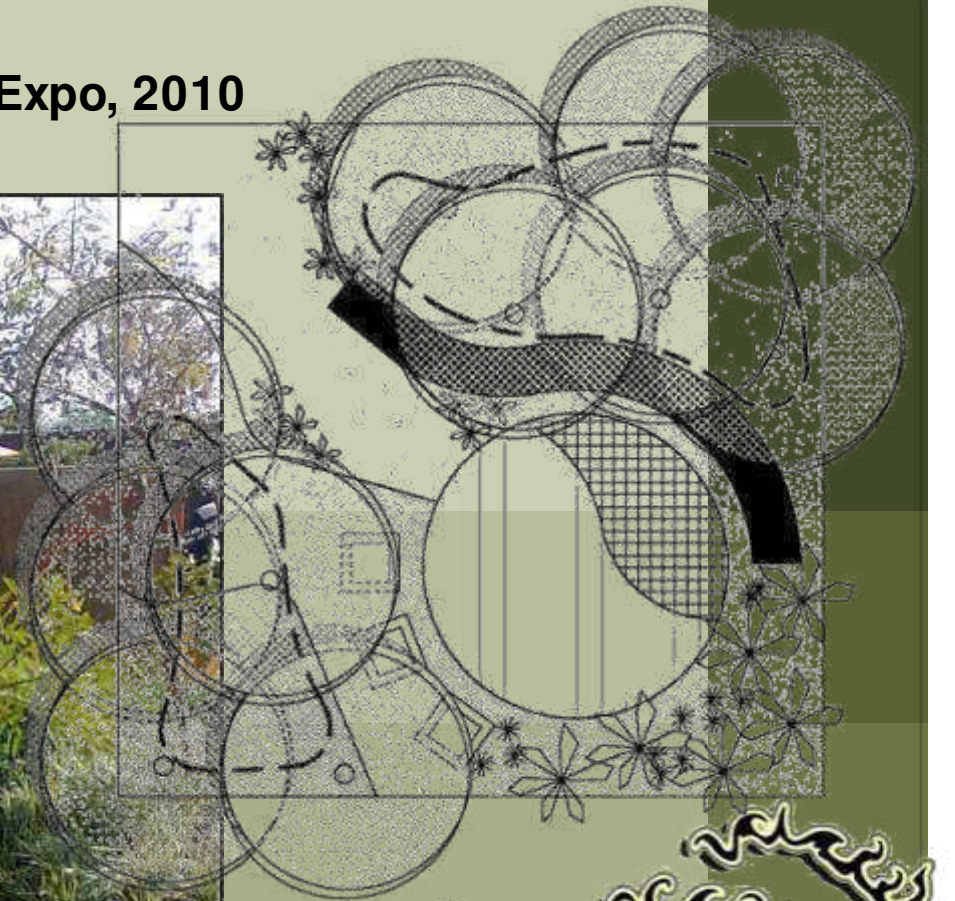
Bokamoso 

05 Landscape Projects - Completed

055 Residential

01 Safari Garden Expo

Received a Silver Certificate at the Safari Garden Expo, 2010



Bokamoso 

06 Corporate Highlights

061 Awards

02 UNISA Sunnyside Campus, Pretoria

Best Commercial Paving Plan in Gauteng, 1997



06 Corporate Highlights

061 Awards

Project Name	Status	Project
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
Erasmia X15	In Progress	EIA
Franschkloof	In Progress	EIA
K113	Amendment of ROD	EIA
K220 East	ROD	EIA
K220 West	ROD	EIA
K54 ROD conditions	In Progress	EIA
Knopjeslaagte 95/Peachtree	ROD	EIA
Knopjeslaagte portion 20 & 21	ROD	EIA
Lillieslief/Nooitgedacht	In Progress	EIA
Mooiplaats 70 (Sutherland)	In Progress	EIA
Naauwpoort 1 - 12/Valley View	In Progress	EIA
PeachTree X5	In Progress	EIA
Strydfontein 60	In Progress	EIA
Thabe Motswere	In Progress	Scoping & EIA
Vlakplaats	In Progress	EIA
Waterval Valley	In Progress	EIA
Environmental 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
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.



07 Current 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		
Wonderboom	In Progress	S24 G
Mogwasi Guest houses	Completed	S24 G



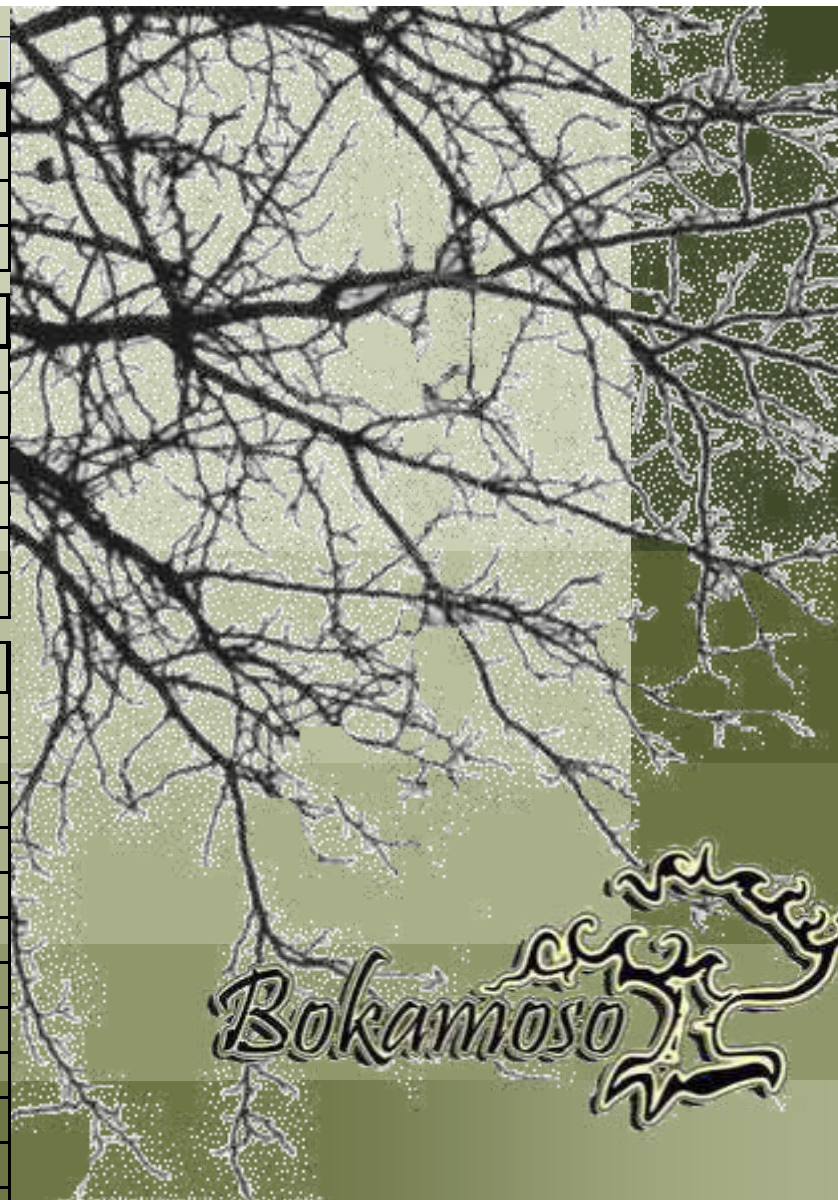
07 Current Environmental Projects

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
Prairie Giants X 3	In Progress	WULA
Waveside Water Bottling Plant	Completed	WULA



07 Current Environmental Projects

073 Objection, DFA & WULA

Project Name	Status	Project
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



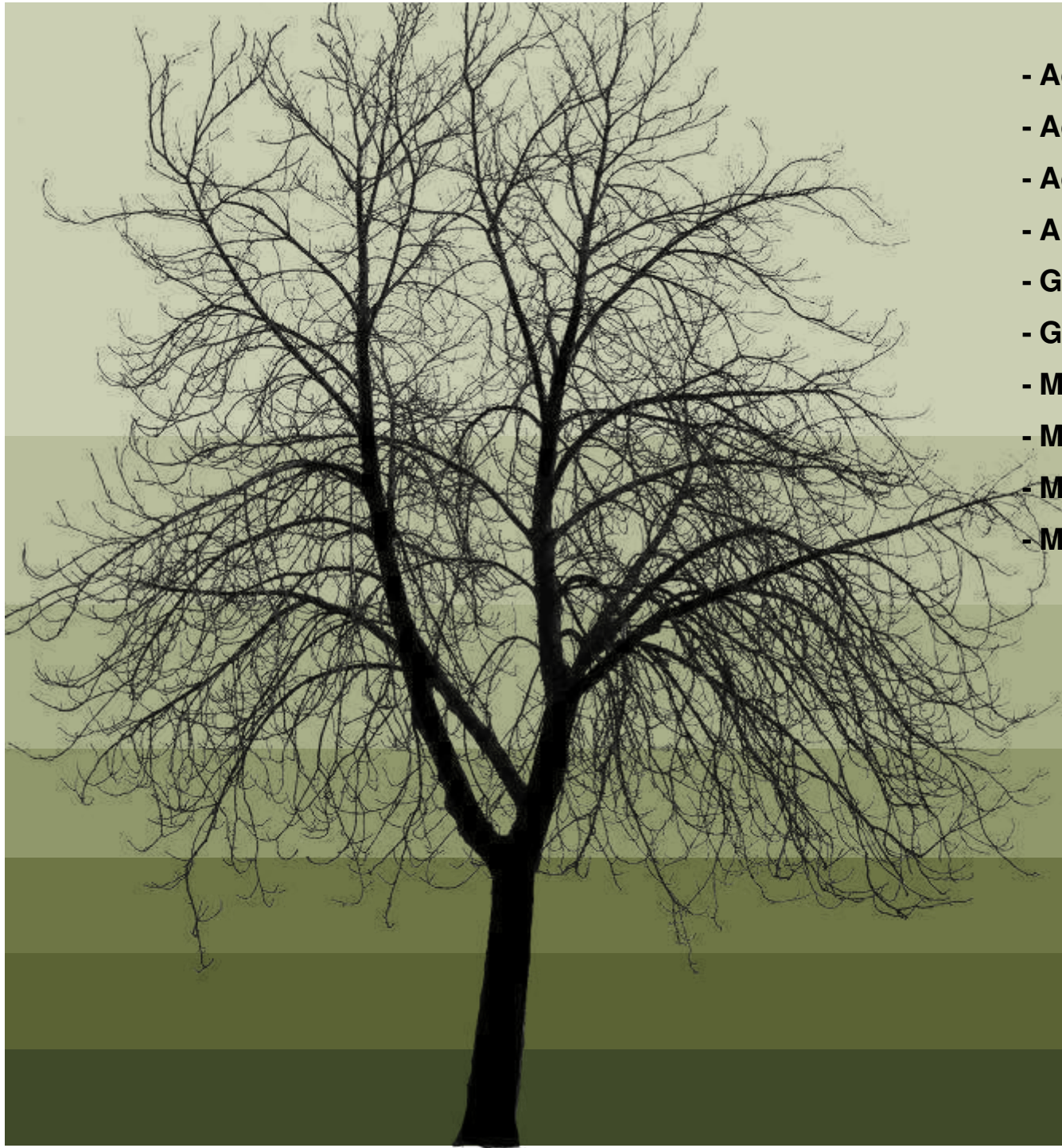
07 Current Environmental Projects

074 EMP, Rehabilitation , Waste Management & Signage Application

- Billion Property Group
- Cavaleros Developments
- Centro Developers
- Chaimberlains
- Chieftain
- Century Property Group
- Coca Cola
- Elmado Property Development
- Flanagan & Gerard
- Gautrans
- Hartland Property Group
- Moolman Group
- MTN
- M&T Development
- Old Mutual
- Property Investment Company
- Petroland Developments
- RSD Construction
- SAND
- Stephan Parsons
- Twin City Developments
- Urban Construction
- USN



08 Indicative Clients



- Adobe Illustrator CS3
- Adobe Photoshop CS3
- Adobe InDesign CS3
- AutoCAD
- Google SketchUP
- GIS
- Microsoft Office Word
- Microsoft Office Excel
- Microsoft Office Publisher
- Microsoft Office Power Point

Bokamoso 

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 than 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 25 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 nurseries 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.

Wetland Rehabilitation Plan

Appendix K

REHABILITATION PLAN

Riverwalk Electrical

WATER USE LICENSE APPLICATION TO THE DEPARTMENT OF WATER AND
SANITATION IN TERMS OF SECTION 21 OF NWA (ACT 36 OF 1998) WATER USE
AUTHORISATION

Section 21 (c)

Impeding or diverting the flow of water in a watercourse

Section 21 (i)

Altering the bed, banks, course or characteristics of a watercourse

September 2017



Compiled by:
Ronell Kuppen

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1. Introduction

Bokamoso Landscape Architects and Environmental Consultants CC have been appointed by Balwin Properties Limited as the independent Environmental Assessment Practitioner (EAP) to undertake a Water Use License Application (WULA) in terms of the National Water Act (No 36 of 1998) (NWA) and the Regulations regarding the Procedural Requirements for Water Use Licence Applications and Appeals, 2017. In terms of the Section 40 of the NWA, each party proposing water usage, as defined in Section 21 of the Act, must apply to the responsible authority for authorisation before such water use can commence. This document aims to provide the Department of Water and Sanitation (DWS) with the necessary information associated with the proposed project in order to approve the water uses in terms of the NWA related to the proposed development. This document represents that Rehabilitation Plan compiled for the installation of electrical services for the proposed Riverwalk Development.

1.1 Project Description

Balwin proposes the installation of an electrical line that will connect the Hatherly substation to the Riverwalk Development to provide electricity to the development. The proposed electrical line has been approved by City of Tshwane Metropolitan Municipality (CTMM). The Riverwalk Development is a large high density residential development and the developer will assist the local authority as well as other authorities such as SANRAL to upgrade and install much needed services to the north of the N4 Freeway.

The electrical upgradings applied for in this application will therefore not only be installed to the benefit of the Riverwalk development, but it will assist with the provision of electrical infrastructure required for other new developments in the area. Electricity for the Riverwalk development will be supplied by means of an underground bulk 5x 11kV electrical line from the Hatherly substation in Mamelodi. The proposed electrical line will run along Solomon Mahlangu Drive and the R104/K22 road. This underground electrical line will run within a registered servitude provided for external services. The trenches for the cables will be 1.0m deep and 1.5m wide and the backfilling will be done in accordance with the CTMM specifications. Drilling/ pipe jacking will be done

underneath the watercourse areas to limit the impacts on the hydrology, geo-hydrology and river/ watercourse associated eco-systems.

Electrical Line:

- **Start:** 25°44'27.18"S & 28°23'22.13"E
- **Crossing 1:** 25°44'48.05"S & 28°22'18.92"E
- **Crossing 2:** 25°45'14.31"S & 28°22'30.30"E
- **End:** 25°45'15.38"S & 28°22'31.21"E

No deviation of the water course will be required as the electrical line will run along the existing bridge and culvert, and only in the case of a very large flood event will the construction work be affected. As further measure work will be done during the dry season to facilitate water management. Flood protection measures will be taken into consideration during construction as and when required.

2. Study Area

2.1. Geographical area

The electrical line route is located within the City of Tshwane Metropolitan Municipality, Gauteng Province. The route is approximately 19km from Pretoria Central.

Topography: The topography of the site is generally flat with a decrease in elevation towards the Pienaars River. The main soil types on the site comprise of Glenrosa, Rensburg and Arcadia. These soils often occur in level topography with rivers that are not associated with wetlands.

Vegetation: The study area occurs within the Marikana Thornveld vegetation unit (Mucina and Rutherford (2006)). The culvert crossing that the electrical line will traverse does not support Orange or Red listed plant species however the Pienaars River crossing is suitable for one Red and two Orange listed plant species in accordance to the data available for the larger area. During the site visit none of these Red or Orange data species were identified by the specialist. (Please refer to

the Vegetation survey for the proposed Riverwalk Electrical Line complied by Mr Corné Niemandt, Appendix 4)

Surface Water: One wetland and two streams were recorded to cross or occur within 500m of the preferred electrical line. The Pienaars River is located in the lowest point in the local landscape. The watercourse and associated wetland can be defined as a valley bottom with a channel. The wetland is associated with the stream and a separate waterbody is found in the south eastern point of the study area.

Kindly refer to **Figure 1** for Locality map and **Figure 2** for a satellite image of the Study Area.

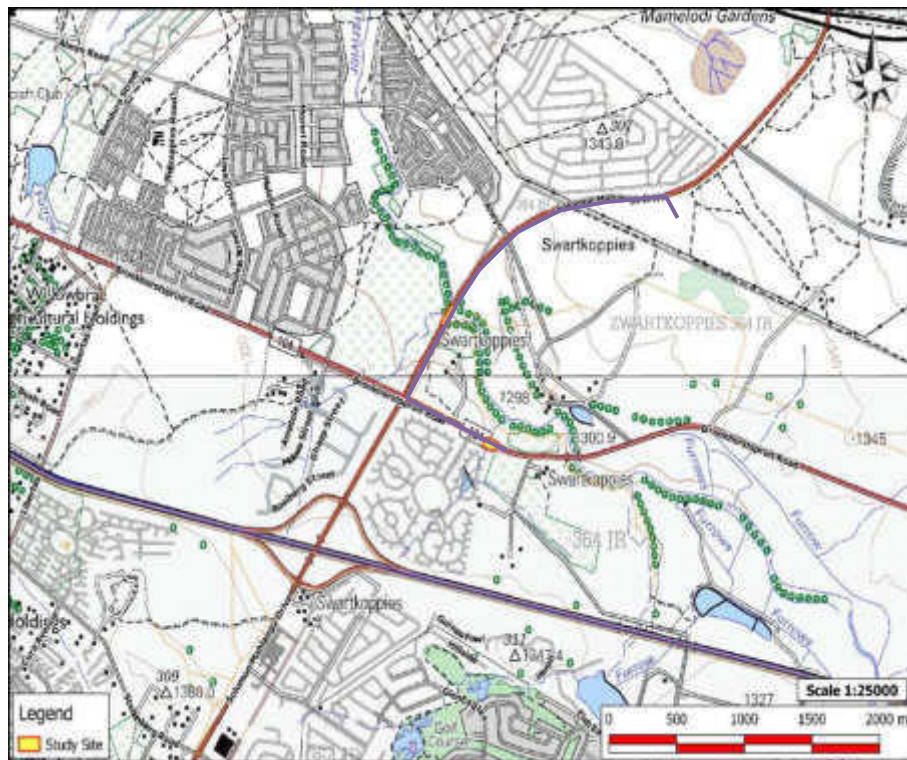


Figure 1: Study Area is outlined in purple and areas of impact demarcated in a red outline on the Locality Map



Figure 2: Aerial map of the location of the proposed development (Google Earth 2016)

3. Rehabilitation Plan

This Rehabilitation Plan was compiled in accordance with the Department of Water Affairs (DWA) **Environmental Best Practice Specifications** Integrated Environmental Management Series, Notice 509 of 2016: General Authorisation in terms of Section 39 of the National Water Act, 1998 (Act No. 36 Of 1998) for Water Uses as defined in **Section 21(c) or Section 21(i)** and GN 1198, 18 December 2009: General Authorisation in terms of Section 39 of the National Water Act (Act No 36 of 1998) in terms of Section 21 (c) & (i) for the purpose of **Rehabilitating a Wetland for Conservation Purposes**.

DWA defines Rehabilitation in terms of the Environmental Best Practise Specifications as:

'Making the land useful again after a disturbance. It involves the recovery of ecosystem functions and processes in a degraded habitat. Rehabilitation does not necessarily re-establish the pre-disturbance condition, but does involve

establishing geological and hydrologically stable landscapes that support the natural ecosystem mosaic.'

And in terms of the General Authorisations as:

'the process of reinstating natural ecological driving forces within part or the whole of a degraded watercourse to recover former or desired ecosystem structure, function, biotic composition and associated ecosystem services'

Rehabilitation must be overseen by a suitably qualified SACNASP professional.

3.1 Rehabilitation Aims and Objectives:

The aim of the rehabilitation is to mitigate the impacts caused by the proposed development. It is best practice to develop the rehabilitation plan as early as possible so as to ensure the optimal management of rehabilitation issues that may arise.

Rehabilitation need to be tailored to the project at hand and be aligned with the Environmental Management Plan (EMP). The overall rehabilitation objectives for this project are as follows:

- Maintain and minimise impacts to the ecosystem within the study area
- Re-establishment of the pre-development land capability to allow for a suitable land use;
- Prevent soil, surface water and groundwater contamination;
- Comply with the relevant local and national regulatory requirements; and
- Maintain and monitor the rehabilitated areas

3.2 Rehabilitation Methodology

The purpose of this Rehabilitation Plan is to improve the ecological status of the study area compared to the post-construction status, to prevent erosion, and to improve aesthetic appeal of the area.

The objective of this Rehabilitation Plan is to ensure:

- Ensure environment is reinstated in disturbed areas;

- Compacted areas are shaped, ripped and scarified;
- Indigenous vegetation is reintroduced;
- Alien vegetation is removed and controlled;
- Site is monitored following rehabilitation.

3.3 Areas to be rehabilitated

All areas disturbed by the water pipeline are to be rehabilitated. These areas include but are not limit to:

- Banks of the watercourse
- Riparian areas

3.4 Rehabilitation Methods

3.1.1. Cleaning

Site camp is to be de-established and all structures, infrastructure and waste removed in accordance with the Environmental Management Plan.

3.1.2. Shaping/Sloping

All slopes should be shaped to a maximum slope of 1:3 to prevent erosion from occurring.

All disturbed areas should be sloped to blend in with the surrounding environment.

3.1.3. Ripping/ Scarifying

Ripping entails loosening to soil up to a depth of 300mm.

Scarifying entails roughening the surface of soil to a depth of 50mm, creating a smoother surface than ripping.

Areas compacted during construction phase should be ripped and scarified in order to loosen soil to allow for seed germination.

3.1.4. Planting/Re-vegetate

Re-vegetation is a very important part of sloping as it will make the soil more stable and create roughness. Planting can be affected by utilising transplanted plants, nursery plants, seed or seedlings as identified in Section 4.5 of this report.

3.1.5. Stabilisation

Slopes steeper than 1:3 or slopes where the soils are sandy, must be stabilised.

One or more of the following methods may be required:

- Topsoil covered with a geotextile, plus a specified grass seed mixture;
- A 50:50 by volume rock: topsoil mix 200mm thick, plus specified grass seed mixture logging or stepping (logs placed in continuous lines following the contours);
- Earth or rock-pack cut-off berms;
- Benches (sand bags);
- Packed branches;
- Ripping and / or scarifying along the contours;
- Storm water berms.
- **Gabion Baskets:** Trenches are required for the establishment of the gabions. The trench is lined with wire netting and the gabion constructed with stones, when at the correct height, the wire netting is closed tightly over the gabion. Gabions must be enclosed in wire netting to prevent stones from rolling downstream during flooding.
- **RipRap:** Use only well-graded rock of different sizes, this will allow the rocks to create an interlocking system. Ensure that the riprap at least two times as thick as the largest stone diameter. Prior to installing the first layer of stones, apply a synthetic geotextile membrane to prevent the soil from moving through the riprap. It is advised that the riprap extend all the way to the top of the bank or to the design water level and extends to five times the bottom width upstream and downstream of the beginning and ending of the curve and the entire curved section to control erosion more efficiently. Wire mesh may be used to secure riprap installations.

3.1.6. Landscaping

The proposed water pipeline are to fit harmoniously into the surrounding environment by means of landscaping.

3.5 Rehabilitation Action Plan

Rehabilitation actions to be taken together with assigned responsibility are listed in **Table 1** below.

Table 1: Rehabilitation Actions & Responsibility

#	Rehabilitation Action	Method	Responsibility
1	Remove and dispose of all waste onsite	Domestic waste to be removed to a registered landfill site. Hazardous waste to be removed to an appropriately classed h: landfill site. Clear the site of all inert waste and rubble, including surplus rock, foundations and batching plant aggregates.	Civil contractor/ Environmental Site Officer
2	Clean up Riparian zone	Any rubble visible within the riparian area should be collected and disposed of at a registered landfill site.	Civil contractor/ Environmental Site Officer
3	Slope/Shape embankments	The earth channel to be sloped at slopes no steeper than 1:3. Shape all disturbed areas to blend in with the surrounding landscape.	Civil contractor Site Manager
4	Rip and scarify compacted areas	Areas compacted should be ripped in order to loosen soil to allow for seed germination. Do not rip and scarify during wet conditions as soil will not break up. Rip and scarify along contours to prevent creation of channels which could lead to erosion.	Civil contractor Site Manager
5	Stabilise embankments/slopes	Slopes steeper than 1:3 or slopes where the soils are sandy, must be stabilised. One or more of the following methods are recommended: <ul style="list-style-type: none"> • Topsoil covered with a geotextile, plus a specified grass seed mixture; • Ripping and / or scarifying along the contours; • Gabions. 	Landscape contractor

6	Vegetate channel walls	The inner and outer walls of the channel should be hydro seeded with using species identified within this report and confirmed with the ECO prior to commencement of Rehabilitation.	Civil contractor Site Manager
7	Planting/Re-vegetation of open and sloped areas	<p>All planting is to be conducted by a suitably qualified contractor. Planting method suggested for this project is hydroseeding as it will be best for the sloped areas and is known to be a successful method. This is the most cost effective method for rehabilitation of large areas as all surfaces are covered and vegetation quality is high.</p> <p>Rehabilitated areas needs to have a ground cover of at least 80%.</p> <p>Only seed or seedlings indigenous to Marikana Thornveld Vegetation should be used for planting.</p> <p>Any materials used for seeding, mulching or fertilizing must be certified as weed free.</p> <p>Plants should be irrigated daily for at least 14 days until the grass is able to survive independently.</p>	Civil contractor Site Manager
8	Remove alien invasive vegetation	All alien invasive vegetation encountered within the Study Area and along the riparian zone should be removed. Section 5 describes a recommended alien invasive monitoring programme. A number of alien invasive species occur within the Study Area especially along disturbed areas e.g. clearings, excavations and dirt tracks.	Civil contractor/ Environmental Site Officer
9	Install Reno mattresses downstream of weir	Install Reno mattresses downstream of the weir in accordance with design drawings and cover with geotextile.	Civil contractor/ Environmental Site Officer



4. Timeframe for implementation

Implementation of this plan should commence immediately upon approval from DWS, the contents of this plan and the actual rehabilitation masterplan to be compiled as soon as DWS supplied their principle support for the rehabilitation methodology.

5. Vegetation species to be utilised

Due to the study area being situated within the Marikana Thornveld Vegetation Unit (Mucina and Rutherford (2006)), it is recommended that vegetation species endemic to this area be utilised for rehabilitation. Below follows a list of plant species associated with the vegetation unit.

- **Grasses:**
 - *Cyndodon dactylon*,
 - *Digitaria eriantha*,
 - *Hyparrhenia tamba*,
 - *Setaria sphacelata*,
 - *Eragrostis curvula*
- **Sedges:**
 - *Bulbostylis burchellii*,
 - *Bulbostylis scleropus*,
 - *Bulbostylis hispidula*
 - *Coleochloa setifera*
 - *Cyperus congestus*,
 - *Cyperus sexangularis*,
 - *Cyperus decurvatus*,
 - *Cyperus esculentus*,
 - *Cyperus fastigiatus*
 - *Eleocharis dregeana*
 - *Fuirena pubescens*
 - *Pycneus macrathus*

- **Forbs: (if needed)**
 - Berkheya radula,
 - Crinum bulbispermum,
 - Hypoxis hemerocallidea

6. Alien vegetation eradication

An alien invasive eradication and monitoring programme is recommended for the Study Area for all phases of the construction/expansion activities as this will promote biodiversity in the area and limit the distribution of alien invasive species via water and human activity.

The purpose of the eradication of alien invasive plants is the restoration and rehabilitation of the Study Area.

Methods that may be used to control alien invasive species include:

- Mechanical treatment
 - Removing by means of hands, tools, instruments or machines.
- Chemical treatment
 - Using herbicides to control target species.
- Biological treatment
 - Using natural enemies of the target specie that affect the biological integrity of the target specie.
- Habitat management
 - Using burning, grazing etc.

Actions to be taken as part of an alien vegetation eradication programme are listed in **Table 2** below. Responsibility for implementing this eradication programme will resort with the appointed Civil Contractor.

Table 2: Alien plant eradication programme

#	Eradication Action	Method
1	Set aside funds for implementation of the programme	Funds should be made available for alien plant eradication.
2	Establish extent of infestation	Request alien vegetation specialist to conduct survey of the Study Area and adjacent watercourse prior to construction commencing in order to establish: <ul style="list-style-type: none"> • Extent of infestation; • Species to be eradicated.
3	Select treatment method	An appropriate treatment method based on species occurring in the Study Area should be selected.
4	Remove alien vegetation	Alien vegetation removal should commence in areas of highest infestation and prior to flowering. All disturbed areas should be scouted for presence of alien vegetation, and removed.
5	Rehabilitate cleared areas	Areas where alien vegetation has been removed must be rehabilitated in accordance with this plan (Refer Table 1).
6	Follow-up eradication	Eradication of alien vegetation must continue until natural vegetation coverage reaches 80% in all disturbed areas.

7. Rehabilitation Plan Responsibility

7.1. Implementation

It is proposed that responsibility for implementation of this Rehabilitation Plan in accordance with its content, rests with the appointed Civil Contractor.

7.2. Monitoring

7.2.1. Monitoring Responsibility

It is proposed that the responsibility for monitoring the implementation of this Rehabilitation Plan rests with the appointed ECO. Rehabilitation must be overseen by a suitably qualified SACNASP professional.

7.2.2. Monitoring Timeframe

It is proposed that effectiveness of rehabilitation be monitored by the appointed ECO and a suitably qualified SACNASP professional from commencement of the rehabilitation phase of the construction/expansion, and for at least six (6) months following completion of the rehabilitation, to ensure that:

- Rehabilitation commences immediately following completion of the construction phase;
- 80% of endemic vegetation has re-established;
- Alien plant eradication continues until 80% of the endemic vegetation has re-established.

8. REFERENCES

1. Department of Water Affairs & Forestry, February 2005. ***Environmental Site Management & Rehabilitation Awareness Course Memorandum: Management Level.*** Integrated Environmental management Sub-Series No. IEMS 1.6. Third Edition. Pretoria
2. Department of Water Affairs and Forestry, February 2005. ***Environmental Best Practice Specifications: Construction.*** Integrated Environmental Management Sub-Series No. IEMS 1.6. Third Edition. Pretoria.

Way Leave Consents

Appendix L

Northern Region

38 Ida Street, Menlo Park, Pretoria
Private Bag X17, Lynnwood Ridge, 0040, South Africa
Tel +27 (0) 12 426 6200 Fax +27 (0) 12 348 1680/ 0883/ 1512

Offices in Val de Grace – Pretoria (Head Office), Cape Town, Pietermaritzburg, Port Elizabeth

Reference:	N11/1/4-R104-3	Fax Number:	
Date:	15 August 2017	Direct Line:	+27 (0) 12 426 6242
Contact Person:	Jan Oliver	Website:	www.nra.co.za
Email:	oliverj@nra.co.za		

DJJC Consulting Engineers CC

PO Box 35301

Menlopark

0102

For attention: Mr. Frederik Henning

Sir

NATIONAL ROUTE R104 SECTION 1 (K22) BETWEEN km. 15.6 E and km. 15.9 E:

APPROVAL FOR INSTALLATION OF 7 x 11 kV ELECTRICAL CABLES UNDERGROUND

PARALLEL TO R104-1 BETWEEN km. 15.6 E and km. 15.9 E (OUTSIDE THE R104 ROAD RESERVE BOUNDARIES)

ACROSS R104-1 AT km. 15.6 E (SOLOMON MAHLANGU INTERSECTION) IN 7 x 110 mm SLEEVE PIPES BY MEANS OF DIRECTIONAL DRILLING

RIVERWALK SUBSTATION NETWORK

Your reference: **A14-1**

Your application submitted on behalf of Balwin Properties (hereafter referred to as the applicant or service owner) dated 7 July 2017 and Drawing No. A14-1-RSN, refer.

The South African National Roads Agency SOC Limited (SANRAL) hereby gives consent for the above-mentioned electrical installations in terms of Section 48 of the South African National Roads Agency Limited and National Roads Act, 1998 (Act 7 of 1998), subject to the following conditions :

1. Special conditions related to this approval:

- 1.1 BALWIN PROPERTIES or their duly appointed Engineer, on their behalf, must first accept the conditions and terms of the approval in writing before commencement of any work inside R104 national road reserve boundaries.
- 1.2 SANRAL's duly appointed Route Manager for national route R104, Mr. Timothy Masalesa (cell 076 349 4168 email:tmasalesa@mweb.co.za) of Sobek Engineering shall be liaised with prior to commencement of any work inside the R104 road reserve boundaries.
- 1.3 SANRAL RRM Project Manager for national route R104 Mr. Madoda Mthembu (tel 012 426 6239 email: mthembum@nra.co.za) shall be notified prior to commencement of any work inside the R104 road reserve boundaries.
- 1.4 Where the cables are installed parallel to national road R104, it shall be installed at least 2.0m outside the R104 road reserve boundaries.
- 1.5 Where the cables cross the R104 road prism at 15.6 E (Solomon Mahlangu Drive intersection), the cables shall be installed in sleeve pipes extending across the whole width of the R104 road reserve. The sleeve pipes shall be installed by means of the directional drilling method at a minimum depth of 1.2 m below the lowest point of the road reserve. The drilling pits shall be at least 8 metres from the edge of "tar"/ edge of road surfacing.
- 1.6 Test pits shall be made where necessary to determine the existence and positions of existing underground services. Any damage to such services shall be for the applicants account.
- 1.7 The excavations within the road reserve shall be properly demarcated.
- 1.8 Applicable construction signage shall be erected and maintained during the duration of construction. Road signage shall be done according to Volume 2 Chapter 13 of the South African Road Traffic Signs Manual.
- 1.9 Traffic operations on national road R104 and Solomon Mahlangu Drive shall not be interfered with. Open trenching across the R104 is particularly prohibited.
- 1.10 All hand trenches shall be at least 1.0 metres deep.
- 1.11 A registered engineer or technologist shall supervise the execution of all work within the R104 national road reserve boundaries. A completion certificate certifying the quality and extent of the work shall be prepared by the supervising consultant and be forwarded to SANRAL within one month after completion of the works.
- 1.12 Care must be taken that existing stormwater drains or subsurface drainage systems or survey beacons/pegs are not damaged or interfered with by excavations.
- 1.13 Applicable construction signage shall be erected and maintained during the duration of construction. Road signage shall be done according to Volume 2 Chapter 13 of the South

African Road Traffic Signs Manual. The applicant shall provide the signs and erect them to the satisfaction of the SANRAL Route Manager concerned.

- 1.14 The applicant shall take all necessary precautions to safeguard the safety of road users and workers while installation operations are in progress within the road reserve. Any accidents during installation operations due to negligence on the part of the applicant's employees or contractor will be for the responsibility of the applicant.
- 1.15 On completion of the work the applicant shall reinstate the road reserve to its original condition, including the re-establishing of vegetation and hydro-seeding, at the cost of the applicant. The road reserve must be left clean and all waste procables to be removed.
- 1.16 All excavations within the road reserve shall be clearly demarcated.
- 1.17 The Contractor shall comply with the OHS Act.
- 1.18 All work shall be carried out to the satisfaction of and subject to the requirements of SANRAL's Regional Manager: Northern Region.
- 1.19 The work must be done within twenty four months from the date of this approval. If for any reason at all, the work is delayed for a longer period, extension of time must be requested in writing or a new application will have to be submitted.

2 Costs and Indemnity:

- 2.1 SANRAL shall not be liable for any loss or damage suffered by the applicant as a result of anything which may be done in connection with road construction or road maintenance or by any action whatsoever.
- 2.2 Future relocation, strengthening or lowering of the cables installed in terms of this approval will be for the account of the applicant.
- 2.3 The applicant accept responsibility for the cost of all damage to the road, other services or other damages caused by the service in question during construction or maintenance thereof.
- 2.4 Any damage to existing wayleaves or rights of other people as a result of your installation operations will for the responsibility of the applicant. If the applicant is not the owner of the relevant property, this approval is granted to the applicant without any prejudice to the rights of the ownership of the owner of the land or any other parties concerned.
- 2.5 Construction and/or repairs in respect of the service must be undertaken by the service owner at their cost.
- 2.6 The applicant indemnifies SANRAL against, and hold it harmless from, any claim or damages which may be instituted or suffered by any person, including legal cost incurred as a result of the construction / installation or any other works erected or established on the site by the applicant, or as a result or failure by the applicant to comply with any of the conditions herein

or to maintain properly and render safe anything whatsoever to which this permission relates, or other works, or as a result of any damage to such works, by whomsoever caused, or as a result of the lapsing of the approval, or as a result of any alteration to the national road.

- 2.7 The applicant shall be responsible for supervision fees of the supervising consultants.
- 2.8 The applicant will be responsible for any financial implication which may arise from any contract claim or other matter related to the intended work.

3 Notification of Commencement and Completion:

- 3.1 The applicant shall prior to the commencement of the work advise SANRAL Regional Manager: Northern Region of the date upon which the work shall be commenced with and shortly before completion of the works in order to make arrangements for inspection.
- 3.2 "As built" drawings and a completion certificate duly signed by the supervising consulting engineer shall be submitted to SANRAL's Regional Manager: Northern Region within three months after completion of the works.

4. Application fee

SANRAL is entitled in terms of Section 26(g) of The National Roads Agency Limited and National Roads Act, 1998 (Act 7 of 1998) to levy a fee for any authorisation.

BALWIN PROPERTIES shall pay an application fee of R7 800 (VAT included) (crossing) for the rights granted to BALWIN PROPERTIES herein before commencement of the works.

5 Acceptance of Conditions:

BALWIN PROPERTIES must first accept the conditions and terms of the approval in writing and provide a copy of the signed document to the SANRAL Route Manager concerned, the SANRAL RRM Project Manager concerned, and the writer before commencement of any work inside the national road reserve boundaries.

I hereby accept all above conditions and confirm that all other mandatory requirements have been / will be met.

Applicant : Signature of duly authorized person

Date: _____

Position:
Initials / surname:
Tel./fax number:

6 Additional Legal Requirements:

This approval does not exempt the applicant from the provisions of any other act.

Yours faithfully

A handwritten signature in black ink, appearing to be a stylized 'J' or similar character.

15/8/2017

For REGIONAL MANAGER: NORTHERN REGION



GAUTENG PROVINCE
ROADS AND TRANSPORT
REPUBLIC OF SOUTH AFRICA

SUB-DIRECTORATE: INFRASTRUCTURE PROTECTION, PRIVATE BAG X1, TOTIUSDAL, 0134

Enquiries: Technical: Mr. T. Jiyane
Administrative: Ms. C. Kekana
Reference: 12/1/20/3/K69/UND/203
Telephone: 012 310-2391

Ground floor Building 10F
CSIR Main campus
Meiring Naude road, Bummeria
Pretoria

Sir/Madam

Attention: R. Snyman

APPROVAL NUMBER: 2D-2017/210

UNDERGROUND WAYLEAVE: CROSSING

ROAD NO: K69

KILOMETER/COORDINATE START: S 25 442308 E 28 231895
S 25 450483 E 28 220877

SERVICE DESCRIPTION: Installing of 11KV electrical main feeder cable across K69
AREA DESCRIPTION: by means of directional drilling

AREA DESCRIPTION: Nellmapius

REGIONAL OFFICE: Pretoria

APPROVED PLAN/S: A 14-1 MVN External

With reference to your letter dated 07 August 2017 in connection with the above-mentioned, you are hereby informed that your application has been approved, as set out below, subject to the following conditions:

NB: This wayleave is granted in favour of Balwin proprties and their successor(s) in title.



A. GENERAL CONDITIONS:

1. **The Regional Manager: PRETORIA, Mr. Jeffrey Mabelane, contact info:**
Cell no 82 906 0821, Tel 012 8080333, e-mail Jeffrey.Mabelane@gauteng.gov.za
2. must be informed at least seven (7) days before commencement of any work and before completion thereof in order to make the necessary arrangements for completion inspection.

The Completion certificate and Final inspection form must be completed during the final inspection and handed to the Regional Manager. (The certificate and forms are attached as **Addendum A & B**).
2. The necessary and prescribed road traffic signs (road signs and markings) for the proposed work must conform to the **S.A. Road Traffic Signs Manual (SARTSM)**. You must provide the signs and erect them to the satisfaction of the Regional Manager before commencing with the work. The minimum lay-out of the road signs is shown on the sketches (TP31/1A in **Addendum C**)
3. The necessary precautions are to be taken at all times to safeguard traffic while installation operations are in progress within the road reserve. Any accidents during installation operations due to negligence on the part of your own employees or contractors will be your responsibility.
4. Any damage to existing wayleaves or to the rights of other people as a result of your installation operations will be your responsibility. If you are not the registered land owner of the relevant property, traversed by the road reserve, this wayleave is granted to you without prejudice to the rights of the ownership of the owner or any other parties concerned.
When the road servitude ceases to exist, either by the closing or deviation of the road, the full authority and control of the land taken up by the road reserve, will revert to the owner or other parties concerned and removal of your service may be demanded. It will thus be necessary to obtain the consent to this wayleave from the owners of the land in question and/or other parties concerned in order to protect your interests.
5. This permission with regard to parallel services and services within the existing road reserve can expire later when you are instructed to shift/remove your services as a result of upgrading, maintenance or other work. The relocated service will not automatically be allowed within the future/new road reserve. Your service will then have to be placed outside the road reserve and the applicable building line.
6. You will be responsible for all liaison and co-ordination work including any and all correspondence between your organisation and any land owner(s). The Gauteng Department of Roads and Transport will not be involved with any individual property owners with regard to the service, as this is then still your responsibility. See also clauses 4 and 5 - of this wayleave.
7. The responsible person in charge of the construction or maintenance work on the site must, at all times, be in possession of a complete copy of the letter of approval, including the general conditions, special conditions and specific conditions where applicable to the service concerned, as well as all plans that are required and are referred to in the correspondence, so that during an inspection the responsible person can submit it to the official(s) of the controlling authority when requested to do so. If no approval can be submitted the official of the controlling authority then can order that the road be secured and the work immediately ceased. Any cost incurred by the Gauteng Department of Roads and Transport to secure the road, will be for your account.

8. Parallel services may in terms of section 46 of the Gauteng Transport Infrastructure Act (Act no. 8 of 2001) not be laid nearer than 95 meters from the center line of the road or within a 500 meter radius measured from the centre line of the junction of a building restriction road and the centre line of any other road (except a national road), without the specific permission of the Gauteng Department of Roads and Transport.
If specific permission is granted in term of this wayleave for a parallel service within the road reserve, the service must be laid, inside the 1, 0 meter width within the road reserve and at least 1,0 meter below ground level.
9. **Where the service crosses the road it must be laid in a sleeve pipe over the full width of the road reserve. The top of the sleeve pipe must be laid at least 1,5 meters under the lowest point of the road or road reserve or drainage channels and follow a straight line.** The sleeve pipe must cross the road perpendicular as far as possible and no manholes/distribution cabinets, access chambers, etc., must be erected within the road reserve. Should permission be given to allow one or more of the foregoing structures within the road reserve, it shall not protrude above the surrounding surface and the structure must be of sufficient strength to withstand and carry axle loadings as prescribed in the Code of Procedure: Structures - Gauteng Department of Roads and Transport.

The sleeve pipe or duct must be acceptable and comply with the standard types approved by the Gauteng Department of Roads and Transport. A list of standard types is available on written request. In the event of the sleeve/pipe being larger than 150 mm (inside diameter) a note on the detail plans is to be added confirming that the sleeve/pipe is strong enough for the required purpose. (Detail plans will normally encompass a lay-out plan, locality plan, longitudinal and cross sections to a suitable scale signed by a Professional Engineer).
10. Where the open trench method is used or for parallel services a bright durable plastic tape must be laid, where applicable, \pm 300 mm above the sleeve to act as a warning for future works.
11. The material that is used for the services infrastructure must be of such quality that during the expected life of the road it will not be necessary to disturb the road surface to do repairs to the service.
12. The service crossing must be installed by jacking or drilling with minimum impact on the traffic. In the event that due to special circumstances, the open trench method has been approved, the sleeve pipe must be laid in two sections across the roadway to prevent interruption to the flow of traffic and only one lane may be closed to the public at a time. A deviation to make the crossing of the road easier, can be considered but it must be shown on a fully detailed plan and approved by the Regional Manager-before commencement of the work.

Survey Pegs and Beacons

13. Care must be taken that survey beacons/pegs are not damaged or interfered with by excavations.
 - 13.1. Any survey pegs/beacons that are damaged as a result of your activities must be replaced at your own cost by a surveyor who is on an approved panel of surveyors appointed by the Gauteng Department of Roads and Transport.
 - 13.2. Cadastral beacons and road reserve beacons however, must be replaced by a Registered Land Surveyor.

- 13.3. After the beacons have been replaced a Completion Certificate, marked for the specific attention of the **Deputy Director: Survey**, must be handed in at the office of the Director Design for approval at 1225 Nico Smit Street Koedoespoort Industrial.
- 13.4. All arrangements for the implementation of the abovementioned procedures will be arranged by the service owner/applicant and will they accept full responsibility thereof.

Backfilling and Pavement Designs

14. Treatment of the layers for the reinstatement of service excavations must conform to the Standard Specifications for Road and Bridge Works (COLTO) Section 3207(b ii) as well as the Material and Pavement Design Manual (L4/49, as amended) issued by the Head: Department of Roads and Transport, Gauteng Provincial Administration, Johannesburg. Should these specifications in any instance be less stringent and/or a lesser standard than the general specifications as given below, the following will apply:
 - 14.1. Backfilling alongside and over all sleeve pipes must be placed and compacted in layers of at most 100 mm after compaction to a density required for the material in adjacent fill, subgrade or subbase layer. The density of the backfill in excavations in natural ground must be at least 90% of modified AASHTO density. You will be responsible to proof the acquired densities through applicable tests results.
 - 14.2. You will be held responsible for any subsidence in the backfill or accidents due to such subsidence.

Excavation and Safety

15. No excavation in the **roadway** or nearer than **3 meters** may be left open overnight, unless protected by temporary traffic barriers. Excavation within the **road reserve** must be fenced and secured during all hours for the safety of traffic and pedestrians.
16. Arrangements must be made with the Department of Community Safety: Traffic Services or local traffic department to be present while work is in progress on the road. This clause may be ignored if you make use of the method where the pipe is pushed underneath the road, but clause 3 above regarding the required precautions will still apply.
17. The joints of the pipes beneath the road must be watertight and you will be responsible for any damage to the road and road reserve because of leakages. (Refer also to clauses 9 and 10 above)
18. You must reinstate the road surface to the entire satisfaction of the **Directorate Design: Sub directorate Materials** and it must be to the specifications of the Department of Roads and Transport. (Refer also to clause 14 above)
19. The work must be carried out to the entire satisfaction of the abovementioned Regional Manager. No fencing must be removed or damaged. If such fences were removed or damaged you will have to replace it to the entire satisfaction of the said Regional Manager involved.
20. Permission must be obtained from the Regional Manager before any trees or shrubs can be pruned or removed for erection/installation or maintenance purposes. All branches and tree trunks or other waste must be removed and the road reserve must be cleaned up before the final inspection takes place. The service(s) must be erected in such a manner that no trees are affected or will fall within the safe area of the service(s).

21. Drainage systems (surface and sub-surface) must not be interfered with or damaged in any way. The storm water waterways must be reinstated and left free of obstructions and all waste must be removed.
22. No permanent access to and from the road to the service will be allowed. Temporary access points must be approved by the Regional Manager.

Maintenance and Repairs

23. You agree to maintain at all times underground services and appurtenant items including repair work to the surface of the road if requested and to take the necessary precautions to safeguard the travelling public.
24. Service markers indicating the nature, position and depth of the service will have to be erected on both sides at crossings, by the service owner. For parallel services within the road reserve the markers must be erected at least at every 100 meters alongside the underground service. The markers must be at least 200 mm high and also be clearly visible.
25. You will not be allowed to excavate at any time to effect repairs to the service. If a defect occurs, in the event that:
 - a) The repairs requires an excavation nearer that 3 meters from the roadway, and/or
 - b) The repairs or maintenance requires upgrading or enlargement of the service,**You must apply for a new wayleave.**

Cost of Installation and Relocation of Service

26. **The Gauteng Department of Roads and Transport will NOT be liable for any costs related to the laying, erection, installation, testing or maintenance of your services.**
If the Gauteng Department of Roads and Transport decides to widen, relocate, maintain or repair any transport infrastructure, and any service infrastructure will be affected in the process, the relevant service provider must take the necessary steps to safeguard or relocate the service infrastructure, at the request of the Gauteng Department of Roads and Transport, and all of the costs of having to relocate or adapt the service infrastructure as a result of relocating, maintaining or repairing the transport infrastructure will be for the account of the service provider.

This includes everything related to the service(s) such as meter boxes, meters, transformers, poles, street distribution cabinets, anchors, stays, manholes or any other fittings or parts thereof. Where special conditions were allowed, you will still be held responsible for all costs incurred should your service(s) and all appurtenant items have to be relocated.

This approval is given without prejudice to any of the rights that the department may have and on the express understanding that you will remain liable for any relocation costs as aforementioned.

Liability

27. You will be held responsible for any damage suffered by the Gauteng Department of Roads and Transport or claims emanating from your negligence to shift the service(s) within the prescribed period(s).
28. If it is deemed necessary in the future by the Gauteng Department of Roads and Transport to resurface or do repair work directly as a result of the presence of your service (in spite of the duration of when the service was installed), you will have to accept full responsibility for the extra costs (that is those repair costs directly attached to the presence of your service within the road reserve) incurred by the Department of Roads and Transport. You will have to pay the full amount, within three months from date of the written notice, to the abovementioned Regional Manager.
29. You indemnify the Premier of Gauteng Province and exempt him from any claim or damage which may be instituted or suffered by any person, including legal costs, as a result of the laying or erection of any service or any other works caused or erected by you, or as a result of negligence on your part to protect or maintain the service or other works caused by any other person unless you can prove gross negligence on the part of the Department of Roads and Transport or its officials.
30. The Department of Roads and Transport will not be liable for any damage suffered by the applicant as a result of operations carried out on road construction or road maintenance or any other operations whatsoever, unless negligence on the part of the Department of Roads and Transport or its officials can be proved.
31. The work must be done within **twelve months** from the date of this letter. If for any reason at all, the work is delayed for a longer period, extension of time must be requested in writing or a new application will have to be submitted.
32. The conditions of this wayleave are applicable to you as well as your successor-in-title (where applicable). If property rights of your service be transferred to any other person or institution, it will be your responsibility to bring the contents of this wayleave to the attention of your successor-in-title as the conditions of this wayleave together with your property rights will be transferred to your successor-in-title and will still be applicable.
33. If you fail to comply with any of the general, specific and special conditions of this wayleave during the laying/installation/erection or maintenance of the concerned service, the MEC responsible for provincial roads in of Gauteng Province reserves the right to withdraw this wayleave and you will be obliged to cease all work immediately or to rectify the situation or in failure of the latter you can be ordered (Act No. 8 of 2001, Section 47(7)), to remove the service from the road reserve and/or building restriction area.
34. **Any damage to existing infrastructure in the road reserve shall be compensated by you in full. This Department shall not be held liable for such loss.**

35. **DOLOMITIC AREAS:** The installation of any services in Dolomitic Areas must conform to the standards and requirements as prescribed in SANS 1936 standards. (Refer Clause 29 above)
36. Work must be carried out in accordance with the Occupational Health and Safety & Welfare Act 2005 (as amended).
- B. SPECIAL CONDITION/S FOR TELECOMMUNICATION SERVICES UNDERGROUND ACROSS OR PARALLEL TO THE PROVINCIAL ROAD/S:**
- S1. Despite this permission, Chapter 4 of the Electronic Communications Act, 2005, and any other similar enabling legislation, the MEC may refuse to allow the works to commence or continue where-
(a) The Gauteng Department of Transport and Roads determines that the positioning of the road in the road reserve or rails in the rail reserve, or the design of the road or railway line, as the case may be, do not allow for a technical solution that can accommodate the service infrastructure, or
(b) The Gauteng Department of Transport and Roads determines that the installation of the service infrastructure as proposed will compromise the standards and future maintenance of the relevant road or railway line,
- S2. Oversight of the works must be supervised by a Professional Civil Engineer;
- S3. You are only allowed to excavate within a distance of up to **STRICTLY 1,0 meter** from the road reserve boundary.
- S4. You will not be allowed to continue if any obstructions such as boulders, rock, trees, etc. cannot be removed and the road reserve left in a condition acceptable to the Regional Manager. In such an event you will have to apply for the amendment of this wayleave.
- S5. You are not allowed to cut through the road surface, place your service under the road shoulders, the side drains, concrete channels or on the bridges or any structures. If damage occurs to subsurface drains, you shall be liable for such damages and you must reinstate the subsurface drains to the satisfaction of the Regional Manager.
- S6. You are not allowed to excavate along retaining walls or boundary walls before checking and ensuring stability of the wall.
- S7. You may not interfere with surface drainage furrows and berms. The storm water berms must be re-instated and the side drains and culverts left unblocked.
- S8. Vegetation which was planted previously must be reinstated; to ensure the stability of side slopes.
- S9. If other services already exist in the road reserve along your route, you will have to find another route for your service and apply for the amendment of this wayleave.
- S10. Where more than one service provider wishes to lay or install service infrastructure of a similar nature in a provincial road or rail reserve or, those service providers must share conduit pipes, trenches, manholes and other structures rather than duplicating them, unless the Department of Roads and Transport agrees otherwise.

- S11. You are obliged to notify all telecommunication companies when you are to start trenching for installation of ducts.
- S12. Detailed "As Built" documentation, including engineering drawings, **MUST** be submitted to this office within 30 days of installation and it has to be done for each road.

C. SPECIFIC CONDITIONS and NOTES

- SC1. **Future planned road (K69)** may be affected by your services. If it becomes necessary to remove or relocate your service during the construction of this planned road/s, it will be at your cost without any compensation from this Department. (Unless the service is installed on the road reserve of the Future Road)

Commencement and Acceptance

Commencement of any work in respect of which this wayleave is granted will be regarded as acceptance of the above-mentioned GENERAL, SPECIAL, and SPECIFIC CONDITIONS.

If you fail to comply with any of the general, special and specific conditions of this wayleave during work activities within the road reserve, the Head of the Department reserves the right to withdraw this wayleave and you will be obliged to rectify the situation or in failure of the latter you can be ordered in terms of Section 46(9) of {Act No. 8 of 2001}, to cease all work immediately.

This wayleave is granted in terms of the Gauteng Transport Infrastructure Act 2001 (Act No. 8 of 2001) and the Regulations to the Act and does not exempt you from the provisions of any other law.

Yours faithfully



25/8/17

By delegated authority from

HEAD OF DEPARTMENT: GAUTENG DEPARTMENT OF ROADS AND TRANSPORT

ATTACHMENTS:

- (a) Addendum A – Final Inspection form
- (b) Addendum B: Certificate of completion signed by a Professional Engineer and ECSA registration number
- (c) Addendum C – SARSTM Volume 2 Chapter 13 – Paragraph 13.8.3: Maintenance in Road Reserve
- (d) Approved plan/s

ANNEXURE A

FINAL INSPECTION FORM

Road number(s)

NB: This form must be signed by the Regional Manager of the Gauteng Department Roads and Transport concerned. This signature is just for administrative control and by no means implies that the work has been done according to the specifications of the way leave. The onus and responsibility of ensuring that the service has been correctly placed, is that of the applicant.

Gauteng Province Reference Number and Date:

Description of the wayleave.....

.....

...

(Give the heading of the wayleave as a description)

Name and address of the owner/applicant

.....
.....

Responsible person

(For the construction/erection/installation of the service)

Tel No:

Address:

..... *(If it differs from the address above)*

.....

It is hereby certified that

1. The owner/applicant has made arrangements with the Regional Manager concerned before commencement of work and
2. The abovementioned service has been completely constructed/erected/installed on and that the work has been done strictly according to the way leave conditions.

.....

CONSULTING ENGINEER (PRINT NAME)	SIGNATURE	DATE
---	------------------	-------------

NOTES:

1. This form must be completed by die owner/applicant and must be handed to the Regional Manager concerned (see way leave for address) immediately after completion of the service for his signature. It may also be completed when the final inspection has been done and handed to the Regional Manager who must be present.
2. The Regional Manager must send one copy of the completed certificate to the Chief Engineer: Infrastructure Protection (Way leaves) within one month, if the work was completed to his satisfaction.

ADMINISTRATIVE CONTROL – INTERNAL USE ONLY

.....

REGIONAL MANAGER: (PRINT NAME)	SIGNATURE	DATE
---------------------------------------	------------------	-------------

ANNEXURE B

24-01-2017

FINAL APPROVAL CERTIFICATE OF THE WORKS

APPROVAL NUMBER:

Road number(s)

Service description:

.....
.....
.....
.....

We hereby certify that the works described as in way leave approval numberhave been satisfactorily completed in conformity with the provisions of the way leave standard conditions, special conditions and approved plans.

ENGINEER:

SIGNATURE NAME IN PRINT REGISTRATION NR TEL/CELL
(ECSA)

CONTRACTOR




SIGNATURE NAME IN PRINT REGISTRATION NR TEL/CELL

13.8.2

SHORT TERM WORKS

13.8.3 Maintenance in Road Reserve

- 1 This application represents the lowest signing level covered in this Chapter. This signing level is appropriate ONLY when the work concerned does not encroach nearer to the edge of the roadway than the shoulder break point. Typical activities which might warrant this low level of signing are:
 - (a) verge grass-cutting;
 - (b) clearing of side drains or cross drain inlets and outlets;
 - (c) fence repairs;
 - (d) kilometre post repair/maintenance/replacement.
- 2 As soon as workers are required to move clear to the travelled way, additional signing consistent with Figures 13.35, 13.36 or 13.41 to 13.43 should be used.
- 3 If the maintenance work gradually progresses along the road reserve, the TW336 signs should be moved forward with the work so that they are never more than 800 m from the work.
- 4 All workers should still be provided with the recommended high-visibility clothing, even when working at the road edge (see Figure 13.30).
- 5 The sign inventory indicated is a minimum for the type of work concerned. Any work unit undertaking this type of work is likely to be a general maintenance unit and will probably have a minimum sign inventory consistent with most tasks in this section.

MAINTENANCE UNIT INVENTORY			
Sign	No	Size (mm)	Quantity
	TW336	1200	2
	TIN 11.3	1200	4
	FLAG	450 X 450	2

Checklist:

- Is the site set up with adequately safe buffer Zones (see Figure 13.20)?
- Are workers likely to get within 3 m of passing vehicles?
- Is the maintenance unit, vehicle and equipment well off the road?
- Can signs be clearly seen by approaching drivers - if not move them further out?
- Is a higher level of signing appropriate to ensure worker and public safety?

SHORT TERM WORKS

13.8.3

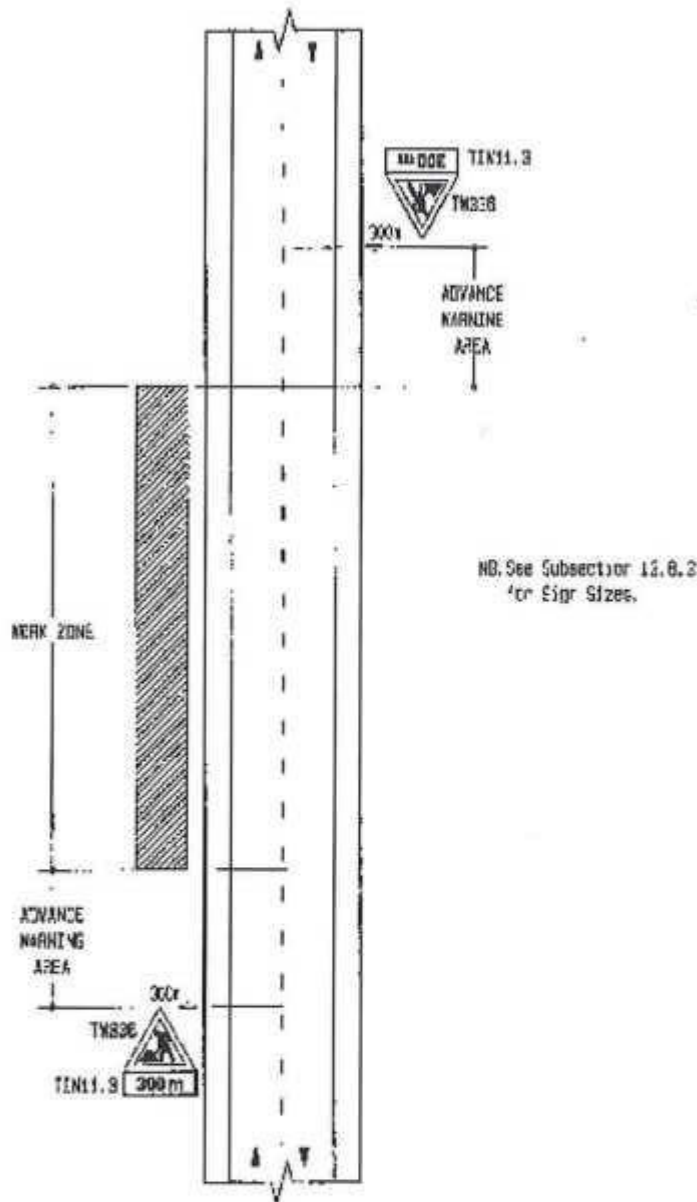


Fig. 13.32 Maintenance in Road Reserve (off the road)



Utility Services Energy and Electricity

Room 601 | 6th Floor | Bothongo Plaza East | 285 Francis Baard Street | Pretoria | 0002
PO Box 440 | Pretoria | 0001
Tel: 012 358 4101/012 358 6252 | Fax: 086 433 1362
Email: cynthiala@tshwane.gov.za | www.tshwane.gov.za | www.facebook.com/CityOfTshwane

My ref: _____ Tel: 012 358 4202
Your ref: _____ Fax: _____
Contact person: Derick Dobson Email: DerickD@tshwane.gov.za
Unit: Secondary Network Planning and Design

30 June 2017

Attention: Mr Frank Gibbon

ACTING DEPUTY DIRECTOR TOWNSHIP DEVELOPMENT & NEW CONNECTIONS

ENGINEERING SERVICES AGREEMENT: RIVERWALK DEVELOPMENT

The application for electrical supply to the proposed Zwartkoppies (Riverwalk) x43 Development situated at Portion 6/R, 138 and 241 of the Zwartkopies 364 JR farm has reference.

The development falls within the City of Tshwane municipal area, electricity supply area and Hartherley 132/11kV substation supply area. The Development/Consultant applied for a bulk electrical supply capacity of 4.5MVA (4500kVA) for the residential development (Phase 1; consisting of 1360 sectional title units, club house and a school).

The following is electrical infrastructure required by Secondary Planning and Design Section for the above-mentioned capacity. The scope of works consists of the following:

- The supply and installation of 4x150mm main feeder cables between Hatherley 132/11kV substation and Riverwalk secondary 11kV satellite building with T4s;
- The approval of the cable route and road crossings by the Council;

The estimated cost for the construction is R 21 915 500.00 (VAT excluded).

The 4.5MVA will be supplied unfirm from Hartherley 132/11kV substation when it is commissioned and energized. Further additional capacity can only be approved after the successful commissioning of Wildebees 400/132kV Infeed Station and Wildebees to Hartherley 132kV powerlines.


C Tocknell

30. 06. 2017
DATE

DIRECTOR: ELECTRICITY PLANNING, DESIGN AND CONSTRUCTION

On request, this document can be provided in another official language.



Ons Verw./ Our Ref.: A14-1

U Verw./ Your Ref. :

Rand Water
522 Impala Road Glenvista 2058
PO Box 1127
Johannesburg
2000

Date: 15 August 2017

To whom it may concern


RAND WATER
Services not Affected

22/8/17 

RIVERWALK DEVELOPMENT
APPLICATION FOR WAYLEAVE APPROVAL

i. **BACKGROUND**

DJJC Consulting Engineers was appointed by Balwin Properties Ltd to design and supervise the electrical installation of the abovementioned development which will entail main feeder cables to be cut in from Hatherley 132/11kV substation to the Riverwalk Development.

2. **LOCATION**

The site is situated on a part of the Remainder of portion 6, of the farm Zwartkoppies 364-JR.



Members: J.J. van Tonder Pr.Eng., B.Eng.(E&E)PU for CHE.) MSAIEE; E.N. Bird Pr.Eng., BSc Eng. (W&E) MSAIEE; R. Snyman Pr.Eng. B.Eng.(EME) (UJ) MSAIEE



DJJC Consulting Engineers
Reg No CK1889/D40978/23





PYP/W1/07/05/25/37732

Mr Rouan Snyman
 DJJC Consulting Engineers
 PO Box 35301
MENLO PARK
 0102

Dear Mr Snyman

ROW APPLICATION TO DESIGN AND SUPERVISE ELECTRICAL INSTALLATION OF MAIN FEEDER CABLES FROM HATHERLEY 132/11KV SUBSTATION TO THE RIVERWALK DEVELOPMENT

Your letter with reference number A14-1 dated 22 August 2017 has reference.

Transnet Pipelines, a division of Transnet SOC Limited, has no objection in principle to the proposed 11kV underground cables crossing the Ø406,6mm pipeline within Transnet's 6m wide pipeline servitudes along Solomon Mahlangu Drive in close proximity of the Solomon Mahlangu Drive (M10)/Bronkhorstspuit Road (R104) intersection in Pretoria as indicated on your Pretoria Locality and Project/Site Layout Plans, subject to compliance with our standard crossing conditions and requirements (attached).

This authority is valid for 30 months from the date of this letter. If this proposal has not been actioned within the specified period, an extension of time must be requested 2 months before the validity period expires.

CONDITIONS

Prior to commencement of the work it is required that a representative of Transnet Pipelines be present to indicate the position of the pipelines and to undertake any work on Transnet's pipeline(s) that may be necessary. In this connection our **Servitude Supervisor, Mr Zebulon Maroga must be contacted at (011) 978 2687 or 083 283 5837 at least 14 days** before the date on which you wish to commence the work in the vicinity of the pipeline.

Arrangements shall also be made to visit the site periodically whilst the work is in progress.

A division of Transnet SOC Ltd Registration Number 1990/000900/30	202 Anton Lembede (Smith) Street Durban 4001	P.O. Box 3113 Durban, South Africa, 4000 T +27 31 361 1456 F +27 31 361 1341
---	--	---

Directors: LC Mbaso (Chairperson) SI Gama* (Group Chief Executive) Y Forbes GJ Mahlelela PEB Mathekga ZA Nagdee VM Nkonyane
 BG Slagman GJ Pita* (Group Chief Financial Officer)
 *Executive

www.transnet.net

Group Company Secretary: NE Khumalo

Should the work be undertaken without Transnet Pipelines' representative being contacted as mentioned above, Transnet Pipelines reserves the right to request that you expose the pipeline at your cost in order that an examination can be made for possible damage.

The attached standard crossing conditions and requirements for underground services must be complied with.

An Excavation Permit shall be issued by Transnet Pipelines' Servitude Supervisor to the competent person of the applicant's Contractor, should excavation work be required within or in close proximity of Transnet Pipelines' servitudes.

Heavy plant or mechanical driven equipment (for example, excavator) shall not be used in the pipeline servitudes. All excavations must be done by hand. Hand-held compactors shall be used in the servitude area.

It is imperative that our representative must be contacted before work commencement to determine our pipeline levels and also assist you with our pipeline related information. It is also important that our representative must witness and approve all the crossings/works. Please be informed that in the event of damage of our pipeline/s, repair costs will be to your account.

On completion of the work you are required to return a copy of this letter to our office, duly endorsed and signed by your site representative as well as Transnet Pipelines' representative that the work was satisfactorily completed and conditions adhered to.

Yours Sincerely



Thami Hadebe (Mr)
Servitude Management

Date: 22 August 2017

SIGNATURE

DATE

APPLICANT :.....

.....

SERVITUDE SUPERVISOR :.....

.....



***Transnet Pipelines Standard Crossing Conditions and Requirements
For Underground Services (Cables, Pipes, etc.)***

1. The service/s shall cross below the pipeline/s with a minimum clearance of 500mm. This level must be maintained for a minimum distance of 3m on either side of the centre line of the pipeline/outermost pipelines.
2. Where the service/s run/s parallel to the pipeline/s it/they shall not encroach upon Transnet's pipeline servitude/s.
3. No manholes or any other permanent structure shall be erected within the pipeline servitude/s.
4. It is preferred that no joints in a service shall be situated within the pipeline servitude/s. Should this, however, not be possible the joints shall be placed such that they are equidistant from the centre line of the pipeline/outermost pipelines.
5. NO BLASTING IS ALLOWED WITHIN A PIPELINE SERVITUDE. Application to carry out blasting within 500m of a pipeline must be made to this office in writing in terms of paragraph 17.1, chapter 10 of the regulations embodied in the Explosives Act and Regulations (Act 26 of 1956) as amended.
6. Excavation and backfilling within the area of the pipeline servitude/s shall be undertaken by and at the applicant's cost. Such work must be undertaken by hand without the use of mechanical or power equipment.

All excavation work to be carried out within Transnet's pipeline servitude/s will comply with the OHS Act (Act 85 of 1993) and SABS 1200 D : Earthworks specification.

7. In backfilling the excavation the applicant shall provide a minimum of 150mm of selected soft padding around the pipeline/s where it/they was/were exposed. The padding must be properly compacted, in layers, by hand.

This padding sand must meet with the approval of Transnet's representative on site. It must have a pH value of 5,5 or higher and texture which will not cake when drying out. The diameter of the largest particle of sand must not be greater than 1,5mm.

Examples of padding sand which have been used in the past, amongst others, include the following:

- i) plaster sand
- ii) washed Umgeni River sand
- iii) suitably leached mine sand

It should, however, be noted that crusher dust is not acceptable
No backfilling may be carried out unless authorised by Transnet's representative.

8. The pipeline/s shall not be left exposed unnecessarily.
9. All fragile services such as PVC pipes, earthenware, pitch fibre pipes and cables laid within the pipeline servitude/s shall be protected with concrete or similar protective slabs laid over them for a distance of 3m on either side of the centre line of the pipeline/outermost pipelines.
10. In the interest of safety to the applicants service it is recommended that the route of his service at the point/s of crossing be indicated by 6 metres of hazard tape being placed 600 mm below the ground and/or that the actual point/s of crossing be indicated by 3 (three) permanent and clearly visible markers. These markers should be provided and maintained by and at the applicants' cost.
11. All steel pipes and cables crossing the pipeline/s shall be suitably wrapped or sheathed with an acceptable anti-electrolysis insulating covering for the full width of the pipeline servitude/s.

It is, however, recommended that in your own interest this protection be extended for a minimum distance of 30m on either side of Transnet's pipeline/s measured perpendicular to its axis/their axes.

All steel pipes 100mm diameter or larger must have cross bonding facilities installed. This means that the applicant will supply a test point connected to their pipe and a minimum of two red PVC insulated flexible test leads of 35mm² between the applicants test point and Transnet Pipelines test point.

Where pipelines run parallel to one another with a separation distance of 50m and less (refer to clause 2), test points will be installed where the pipelines converge and diverge. If the pipelines run parallel for longer distances, a cross bond test point will be installed every 500m.

This is to enable independent the monitoring of possible electrolytic interaction between pipeline/s.

All costs incurred will be to the applicant's account. Where applicable, quotations will be furnished on request.

13. Should authorisation be granted that work may proceed, Transnet's representative must be contacted prior to any work being undertaken within Transnet's pipeline servitude/s. Details of contact person will be furnished when application is made to carry out work.
14. Transnet shall not be liable for any damage, including consequential loss or damage whether direct or indirect which might be caused to the applicant's service during normal operations, routine maintenance and repairs to the pipeline/s.
15. a) The APPLICANT shall and hereby does indemnify TRANSNET against -
 - i) any damage to TRANSNET's own property, whether movable or immovable, including any consequential damage directly flowing from physical damage to any such property;
 - ii) liability in respect of any damage to the property, whether movable or immovable of the APPLICANT or third parties;
 - iii) liability in respect of the death of or injury to any employees of TRANSNET or the APPLICANT or any third party;
 - iv) any legal costs or expenses reasonably incurred in connection with claims or actions arising out of any of the foregoing;

whenever such damage, injury or death is due to or arises out of the construction, installation or existence of the WORKS or any portion thereof, or the use thereof by the APPLICANT, provided that the APPLICANT shall incur no liability for any damage, injury or death which is due to wilful misconduct or gross negligence on the part of TRANSNET or any of its employees.
- b) TRANSNET shall notify the APPLICANT forthwith of the occurrence of any damage or the receipt of any claim or damage for or against which the APPLICANT is prima facie liable to indemnify TRANSNET in terms of paragraph (a) of the clause and shall, in respect of such claim or demand abide by the directions of the APPLICANT as to whether and on what terms it shall be settled, compromised or contested, it being understood and agreed that whatever action may be taken by TRANSNET pursuant to such directions of the APPLICANT shall be at the APPLICANT's risk and expense.
16. These conditions only apply to construction of the applicant's service across Transnet's pipeline servitude/s and do not grant you the right to do any excavations in future for repair or maintenance purposes. Should such future excavations within the servitude area/s be necessary permission will have to be requested timeously from this office. In cases of emergency, this office or Transnet's representative as mentioned above, may be contacted telephonically for such permission.

Application Form and GDARD letters

Appendix M

Application Form for Environmental Authorisation in terms of National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014

For official use only

Application Number:
NEAS Reference number:
Date Received:

Kindly note that:

1. This application form is current as of December 2014. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. This form must be used for an application(s) for Environmental Authorisation in terms of Chapter 4 of the Environmental Impact Assessment Regulations, 2014.
3. If, in addition to this application, you must also apply for a Waste Management Licence in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) ("the Waste Act") and/or an Atmospheric Emission Licence in terms of the National Environmental: Air Quality Act, 2004 (Act No. 39 of 2004) ("NEM:AQA"), then separate application forms in terms of the applicable legislation must be completed and submitted simultaneously to the relevant licensing authorities; but a single EIA process must be undertaken. Copies of such applications must be attached to this Application Form. However, if the intention of the applicant is to undertake an Integrated Process (Integrated Authorisation), the applicant or the EAP is advised to seek guidance from the competent authority prior to commencing with the EIA process.
4. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
5. The use of the phrase "**not applicable**" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the refusal of the application.
6. Three copies of this form must be submitted at the offices of the relevant competent authority as detailed below prior or simultaneously with the submission of the Basic Assessment Report or the Scoping and Environmental Impact Report.
7. No faxed or e-mailed applications shall be accepted. Only hand delivered, couriered or posted applications will be accepted
8. Unless protected by law, all information filled in on this application will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this application on request, during any stage of the application process.

1. DEPARTMENTAL DETAILS

Postal Address

Gauteng Department of Agriculture and Rural Development
Attention: Deputy Director: Strategic Administrative Unit of the Sustainable Utilization of the Environment (SUE) Branch
P. O. Box 8769
Johannesburg
2000

Physical Address

Administrative Unit of the Sustainable Utilisation of the Environment (SUE) Branch
Ground floor, Diamond Building, 11 Diagonal Street
Johannesburg

Queries should be directed to the Strategic Administrative Unit at:

Administrative Unit telephone number (011) 240 3051/3052

Administrative Unit fax number (011) 240 3055

Departmental central telephone number (011) 240 2500

View the Department's website at <http://www.gdard.gov.za> for the latest version of the documents

Application for Environmental Authorisation in terms of NEMA

Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for in the fee Regulations is applicable AND such information in the exclusion section of this application form has been confirmed by this Department.

2. FEES

Gauteng Department of Agriculture and Rural Development' details for the payment of application fees

Payment Enquiries:

Contact person: Boniswa Belot

Tel: (011) 240 3377/3051

Email: Boniswa.Belot@gauteng.gov.za

Department Banking details:

Bank Name: FNB Bank

Account Name: GPG Agriculture and Rural Development PMG

Account Number: 62298144058

Branch Name and Number: Global Transactional Services Johannesburg - 255005

Reference number: EIA - Date (Y - M - D) of payment e.g. EIA20140401 (please quote this reference number when making payment)

Application form to be submitted with proof of payment attached- Annexure 1

Tax exemption status:

Status: Tax Exempted

3. APPLICANT INFORMATION

Project applicant:	Balwin Properties Limited		
Trading name (if any):	Balwin Properties Limited		
Contact person:	Rodney Gray		
Physical address:	Block 1, Townsend Office Park, No 1 Townsend Avenue, Bedfordview, Jhb.		
Postal address:	Private Bag x4, Gardenview, 2047		
Postal code:	2047	Cell:	-
Telephone:	011 450 2818	Fax:	086 461 8796
Email	Rodney@balwin.co.za		

Please duplicate the above section in instances where there is more than one applicant.

Local municipality	City of Tshwane Metropolitan Municipality; Environmental Management Department; Open Space Management Section		
Contact person:	Rudzani Mukheli/Kemmonne Mofela		
Postal address:	4th Floor; Nr. 11 Francis Baard Street		
Postal code:	0001	Cell:	-
Telephone:	012 358 8731/8667	Fax:	-
E-mail:	RudzaniM@tshwane.gov.za/ kemmonem@tshwane.gov.za		

Please duplicate the above section in instances where there is more than one Municipality.

Land owner	SANRAL		
Contact person:	Victoria Bota		
Postal address:	PO Box 415, Pretoria		
Postal code:	0001	Cell:	061 647 5212
Telephone:	012 844 8031	Fax:	012 348 1512
E-mail:	botav@nra.co.za		

Land owner	GDRT		
Contact person:	Kumen Govender		
Postal address:	PO Box X83 Marshalltown		
Postal code:	2017	Cell:	082 887 3211
Telephone:	011 355 7247	Fax:	
E-mail:	Kumen.Govender@gauteng.gov.za		

Please duplicate the above section in instances where there is more than one landowner. Consent use form in Addendum 1 must be filled if the applicant is not landowner or person in control of the land where the development will / is taking place. Further, the above section must be duplicated in instances where there is more than one landowner.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner (EAP):	Bokamoso Landscape Architects & Environmental Consultants CC		
Name of the EAP:	Lizelle Gregory		
EAP Qualifications	BL Arch (UP)		
Professional affiliation or registration:	The South African Council of the Landscape Architects Profession (SACLAP), Institute for Landscape Architects in South Africa (ILASA), and Institute for Environmental Management and Assessment (IEMAS), Member of the Institute of Impact Assessment Practitioners (IIA).		
Physical address:	36 Lebombo Road, Lebombo Garden Building, Ashlea Gardens, 0081		
Postal address:	P O Box 11375, Maroelana		
Postal code:	0161	Cell:	083 255 8384
Telephone:	012 346 3810	Fax:	086 570 5659
E-mail:	reception@bokamoso.net		

5. PROJECT TITLE (SCOPE OF THE ACTIVITY)

Riverwalk Electrical

This application for Environmental Authorisation is for the proposed electrical line that will run from the Hatherly substation to the Riverwalk development. The capacity of the electrical line is below the threshold that will trigger a listed activity under the Amended 2014 NEMA EIA Regulations. However, this application is for the locations where the electrical line crosses a wetland/stream.

6. PROPERTY DESCRIPTION

Application process followed (BA OR Scoping & EIA)	BA
Description of the property/properties where activity is proposed to be undertaken:	The proposed electrical line from the Hatherly substation to the Riverwalk development will be situated within the road reserve of Solomon Mahlangu Drive and the R104/K22. This application is however only for those sections where the electrical line crosses a wetland/stream.
Farm/ Erf name(s) & number(s) (including portion/ holding) of all proposed sites:	Solomon Mahlangu Drive and R104/K22 road reserve
Property size(s)(ha) of all proposed sites	Combined the two crossings' sites are 1.19ha
Property size(s) (m ²) of all proposed sites:	Combined the two crossings' sites are 11908.89m ²
Development footprint size(s)	Combined the two crossings' sites are 1.19ha

in ha/m ² :				
SG Digit code(s) of all proposed sites:	There are no SG digit codes for the road reserve and registered servitude.			
Coordinates of all proposed sites:	Latitude (S)	25°	44'	47.61"S
	Longitude (E)	28°	22'	19.03"E
	Latitude (S)	25°	45'	13.89"S
	Longitude (E)	28°	22'	30.61"E

Note: Coordinates must be provided in degrees, minutes and seconds using the Hartebeesthoek94 WGS84 co-ordinate system. Where numerous properties/sites are involved (e.g. linear activities), please attach a list of property descriptions separately.

Physical/Street address of proposed sites:

The crossings are along the R104/K22 (Bronkhorstpruit Road) road reserve and the Solomon Mahlangu Drive road reserve. The one crossing is approximately 600m north of the R104 and M10 intersection. The other crossing is approximately 650m east of the R104 and M10 intersection.

Current Zoning of site(s)

Road Reserve

7. ACTIVITY(S) APPLIED FOR

An application may be made for more than one listed or specified activity that, together, make up one development proposal. All the listed activities that make up this application must be listed below.

Indicate the number of the relevant Government Notice: Activity No (s) (relevant notice): e.g. Listing notices 1, 2 or 3 Describe each listed activity as per the wording in the listing notices:

R.983 December 2014	Listing Notice Activity 12	1	<p>The development of-</p> <ul style="list-style-type: none"> (i) canals exceeding 100 square metres in size; (ii) channels exceeding 100 square metres in size; (iii) bridges exceeding 100 square metres in size; (iv) dams, where the dam, including infrastructure and water surface area, exceeds 100 square metres in size; (v) weirs, where the weir, including infrastructure and water surface area, exceeds 100 square metres in size; (vi) bulk storm water outlet structures exceeding 100 square metres in size; (vii) marinas exceeding 100 square metres in size; (viii) jetties exceeding 100 square metres in size; (ix) slipways exceeding 100 square metres in size; (x) buildings exceeding 100 square metres in size; (xi) boardwalks exceeding 100 square metres in size; or (xii) infrastructure or structures with a physical footprint of 100 square metres or more; <p>where such development occurs-</p>
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		<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; or</p> <p>(ee) where such development occurs within existing roads or road reserves.</p>
R,983 December 2014	Listing Notice 1 Activity 19	<p>The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from-</p> <p>(i) a watercourse;</p> <p>(ii) the seashore; or</p> <p>(iii) the littoral active zone, an estuary or a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever distance is the greater-</p> <p>but excluding where such infilling, depositing, dredging, excavation, removal or moving-</p> <p>(a) will occur behind a development setback;</p> <p>(b) is for maintenance purposes undertaken in accordance with a maintenance management plan; or</p> <p>(c) falls within the ambit of activity 21 in this Notice, in which case that activity applies.</p>
R,983 December 2014	Listing Notice 1 Activity 48	<p>The expansion of-</p> <p>(i) canals where the canal is expanded by 100 square metres or more in size;</p> <p>(ii) channels where the channel is expanded by 100 square metres or more in size;</p> <p>(iii) bridges where the bridge is expanded by 100 square metres or more in size;</p> <p>(iv) dams, where the dam, including infrastructure and water surface area, is expanded by 100 square metres or more in size;</p> <p>(v) weirs, where the weir, including infrastructure and water surface area, is expanded by 100 square metres or more in size;</p> <p>(vi) bulk storm water outlet structures where the bulk storm water outlet structure is expanded by 100 square metres or more in size; or</p>

		<p>(vii) marinas where the marina is expanded by 100 square metres or more in size;</p> <p>where such expansion or expansion and related operation occurs-</p> <p>(a) within a watercourse; (b) in front of a development setback; or (viii) 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 expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour; (bb) where such expansion activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies; (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; (dd) where such expansion occurs within an urban area; or (ee) where such expansion occurs within existing roads or road reserve</p>
R,985 December 2014	Listing Notice 3 Activity 12	<p>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p> <p>(a) In Eastern Cape, Free State, Gauteng, Limpopo, North West and Western Cape provinces:</p> <ol style="list-style-type: none"> i. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004; ii. Within critical biodiversity areas identified in bioregional plans; iii. Within the littoral active zone or 100 metres inland from high water mark of the sea or an estuarine functional zone, whichever distance is the greater, excluding where such removal will occur behind the development setback line on erven in urban areas; or iv. On land, where, at the time of the coming into effect of this Notice or thereafter such land was zoned open space, conservation or had an equivalent zoning.
R,985 December	Listing Notice 3	The development of-

2014	Activity 14	<ul style="list-style-type: none"> (i) canals exceeding 10 square metres in size ; (ii) channels exceeding 10 square metres in size; (iii) bridges exceeding 10 square metres in size; (iv) dams, where the dam, including infrastructure and water surface area exceeds 10 square metres in size; (v) weirs, where the weir, including infrastructure and water surface area exceeds 10 square metres in size; (vi) bulk storm water outlet structures exceeding 10 square metres in size; (vii) marinas exceeding 10 square metres in size; (viii) jetties exceeding 10 square metres in size; (ix) slipways exceeding 10 square metres in size; (x) buildings exceeding 10 square metres in size; (xi) boardwalks exceeding 10 square metres in size; or (xii) infrastructure or structures with a physical footprint of 10 square metres or more; <p>where such development occurs-</p> <ul style="list-style-type: none"> (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; <p>excluding 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>(b) In Gauteng:</p> <ul style="list-style-type: none"> i. A protected area identified in terms of NEMPAA, excluding conservancies; ii. National Protected Area Expansion Strategy Focus Areas; iii. Gauteng Protected Area Expansion Priority Areas; iv. Sites identified as Critical Biodiversity Areas (CBAs) and Ecological Support Areas (ESAs) in the Gauteng Conservation Plan or in bioregional plans; - v. Sites identified within threatened ecosystems listed in terms of the National Environmental Management Act: Biodiversity Act (Act No. 10 of 2004); vi. Sensitive areas identified in an environmental management framework adopted by relevant environmental authority; vii. Sites or areas identified in terms of an International Convention viii. Sites managed as protected areas by provincial authorities, or declared as nature reserves in terms of the Nature Conservation Ordinance (Ordinance 12 of 1983) or the National Environmental Management:
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		<p>Protected Areas Act (Act No. 57 of 2003);</p> <p>ix. Sites designated as nature reserves within municipal SDFs; or</p> <p>x. Sites zoned for conservation or public open space or equivalent zoning.</p>
R.985 December 2014	Listing Notice 3 Activity 23	<p>The expansion of-</p> <ul style="list-style-type: none"> (i) canals where the canal is expanded by 10 square metres or more in size; (ii) channels where the channel is expanded by 10 square metres or more in size; (iii) bridges where the bridge is expanded by 10 square metres or more in size; (iv) dams, where the dam, including infrastructure and water surface area exceeds 10 square metres in size; (v) weirs, where the weir, including infrastructure and water surface area exceeds 10 square metres in size; (vi) bulk storm water outlet structures exceeding 10 square metres in size; (vii) marinas exceeding 10 square metres in size; (viii) jetties exceeding 10 square metres in size; (ix) slipways exceeding 10 square metres in size; (x) buildings where the building is expanded by 10 square metres or more in size; (xi) boardwalks where the boardwalk is expanded by 10 square metres or more in size; or (xii) infrastructure or structures where the physical footprint is expanded by 10 square metres or more; <p>where such development occurs-</p> <ul style="list-style-type: none"> (a) within a watercourse; (b) in front of a development setback adopted in the prescribed manner; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; <p>excluding the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.</p> <p>(d) In Gauteng:</p> <ul style="list-style-type: none"> (xiii) A protected area identified in terms of NEMPAA, excluding conservancies; (xiv) National Protected Area Expansion Strategy Focus Areas; (xv) Gauteng Protected Area Expansion Priority Areas; (xvi) Sites identified as Critical Biodiversity Areas (CBAs) and Ecological Support Areas (ESAs) in the Gauteng Conservation Plan or in bioregional

		plans; (xvii) Sites identified within threatened ecosystems listed in terms of the National Environmental Management Act: Biodiversity Act (Act No. 10 of 2004); (xviii) Sensitive areas identified in an environmental management framework adopted by relevant environmental authority; (xix) Sites or areas identified in terms of an International Convention; (xx) Sites managed as protected areas by provincial authorities, or declared as nature reserves in terms of the Nature Conservation Ordinance (Ordinance 12 of 1983) or the National Environmental Management: Protected Areas Act (Act No. 57 of 2003); or (xxi) Sites designated as nature reserves within municipal SDFs; (xxii) Sites zoned for conservation or public open space or equivalent zoning.
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Please note that any authorisation that may result from this application will only cover activities applied for.

8. ORIENTATION MAPS

Locality map:	<p>A locality map must be attached to the application form as Annexure 3, as an Appendix. The scale of the locality map must be at least 1:50 000. For linear activities 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 include 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; • the prevailing wind direction; and • GPS co-ordinates (Indicate the position of the proposed activity with the latitude and longitude at the centre point for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should be to at least three decimal places. The projection that must be used in all cases is the WGS-84 spheroid in a national or local projection)
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Should any activities in GN R. 985 be applied for, please provide a map indicating the triggering area (e.g. Critical Biodiversity Area, Protected Area, etc) overlaid by the study area as **Annexure 4**.

9. PUBLIC PARTICIPATION PROCESS

If public participation process and other aspects of EIA process had already been undertaken prior to submission of this application form to the competent authority, a summary of public participation processes and steps followed to date must be described in the table below.

The first phase of the public participation was carried out on the 26 January to 27 February 2017.

Stakeholders (I&AP's) were notified of the Environmental Evaluation Process through:

- 1) A site notice that was erected (at a prominent point on the study area) on 26 January 2017.

- 2) Notices were distributed to the surrounding land-owners and interested and affected parties by means of faxes, hand delivery and e-mail.
- 3) An advertisement was placed in the Beeld newspaper on 26 January 2017.

10. PROJECT SCHEDULE

A project schedule, indicating the different phases and timelines of the project (commencement and completion where possible), must be attached as **Annexure 5**.

11. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
SEMA's				
National Environmental Management: Air Quality Act		X		
National Environmental Management: Biodiversity Act		X		
National Environmental Management: Integrated Coastal Management Act		X		
National Environmental Management: Protected Areas Act		X		
National Environmental Management: Waste Act		X		
National legislation				
Mineral and Petroleum Development Resources Act		X		
National Water Act	X		In process to be submitted	
National Heritage Resources Act		X		
Others: Please specify		X		

Please provide proof of any authorisations obtained in terms of the above as **Annexure 6**.

12. LIST OF ANNEXURES

		YES	N/A
Annexure 1	Proof of payment of a fee for this application	X	
Annexure 2	Proof and a motivation for exclusions from paying a fee		X
Annexure 3	Locality map	X	
Annexure 4	Geographical area map triggering a listed	X	
Annexure 5	Project schedule	X	
Annexure 6	Proof by way of copies of Environmental Authorisations obtained for the same property or submission of such applications		X
Addendum 1	Consent use of land form		X
Addendum 2	Declaration by the applicant	X	
Addendum 3	Declaration by the environmental assessment practitioner	X	

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ADDENDUM 1

13. CONSENT USE

Consent in terms of Regulation 39 of the 2014 NEMA EIA Regulations by the landowner or person in control of the land that the proposed activity/ies may be undertaken on the land in question

When to use this form

Note: This form must be completed when an application for amendment in terms of the 2014 NEMA EIA Regulations is submitted where the proposed amendment will impact on the activity undertaken/to be undertaken on the land or if the amendment relates to the transfer of rights and obligations.

Notes for completing and submitting this form

- (1) This form is current as of December 2014. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been released by the Department.
- (2) This form must be attached to the application form for amendment.
- (3) Unless protected by law, all information contained in the form will become public information.

CONTACT INFORMATION

Name of land owner/ person in control of the land
Trading name (if any):
Contact person:
Physical address:
Postal address:
Postal code:
Telephone:
E-mail:

	Cell:	
	Fax:	

CONSENT

1. I/we the undersigned (insert the name/s of the owner/s of the land)

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

am/ are the registered owner/s of the property (insert description of the property/ies and title deed numbers)

located at (insert physical address or a brief description of the location of the property)
2. I/ we hereby give consent to the applicant /person to whom the rights are to be transferred (insert the name/s of the applicant/person/s)

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

ADDENDUM 2

15. DECLARATIONS

DECLARATION OF THE APPLICANT

I Rodney Gray, declare under oath that I

- am, or represent, the applicant in this application;
- have appointed / will appoint (delete that which is not applicable) an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application
- will provide the EAP and the competent authority with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the competent authority decides to recover such costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- will ensure that the EAP is competent to undertake the EIA process with respect to this application and that the EAP-
 - know the Act and the regulations, and how they apply to the proposed development
 - know any applicable guidelines and policies
 - performs the work objectively, even if the findings do not favour the applicant
 - disclose all information which is important to the application and the proposed development
- will inform all registered I&APs of any decisions taken by the competent authority in this regard;
- am responsible for complying with the conditions of any environmental authorisation 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 which the applicant or EAP is responsible for in terms of these Regulations;
- will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- will perform all other obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of the EIA Regulations, 2014 and the NEMA.

Signature of the applicant/ Signature on behalf of the applicant:

Balwin Properties Limited

Name of company (if applicable):

13/3/17

Date:

Pillay

Signature of the Commissioner of Oaths:

13/3/17

Date:

CA(SA)

Designation:

Commissioner of Oaths Official stamp (below)

CERTIFIED TO BE A TRUE COPY

Pillay
COMMISSIONER OF OATHS
Andre Pillay CA (SA) REF: 20054570
Commissioner of Oaths (RSA)
Block 1. Townsend Office Park
No.1 Townsend Avenue. Bedfordview

ADDENDUM 3

DECLARATION OF THE EAP

I Lizelle Gregory, declare that -

- I act as the independent environmental practitioner in this application
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation, policies and guidelines;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public at large and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties, state department and competent authority will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- all the particulars furnished by me in this form are true and correct;
- I will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and


Signature of the Environmental Assessment Practitioner:

Bokamoso Landscape Architects and Environmental Consultants CC

Name of company:

29 March 2017
Date:

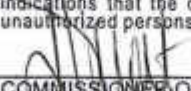

Signature of the Commissioner of Oaths:

Date:

Designation:

Commissioner of Oaths Official stamp (below)

In the event where the EAP or specialist is not independent (Regulation 13(2) and (3) of the EIA Regulations, 2014), the proponent or applicant must, prior to conducting public participation, appoint another EAP or specialist which meets all the general requirements including being independent, to externally review all work undertaken by the EAP or specialist, at the applicant's cost appointed to manage the application.

I certify that this is a true copy of the original which was examined by me and that, from my observations, there are no indications that the original document has been altered by unauthorized persons.	
	<u>29/3/17</u> DATE
COMMISSIONER OF OATHS Alta R Swart Professional Accountant (SA) SAIPA Number: 8140 36 Lebombo street, Ashley Gardens, Pretoria, 0081 012 346 6654	

Annexure 1: Proof of payment of a fee for this application



Customer Care: 0860 123 000
Website: www.standardbank.co.za
2 March 2017

Payment receipt

Beneficiary name
GPG AGRICULTURE AND

Account number
62298144058

Bank
FIRST NATIONAL BANK

Branch
RMB CORPORATE BANKING (25500500)

Beneficiary reference
BAR20170302 Riverwalk Ele

Your reference
GPG AGRICUL

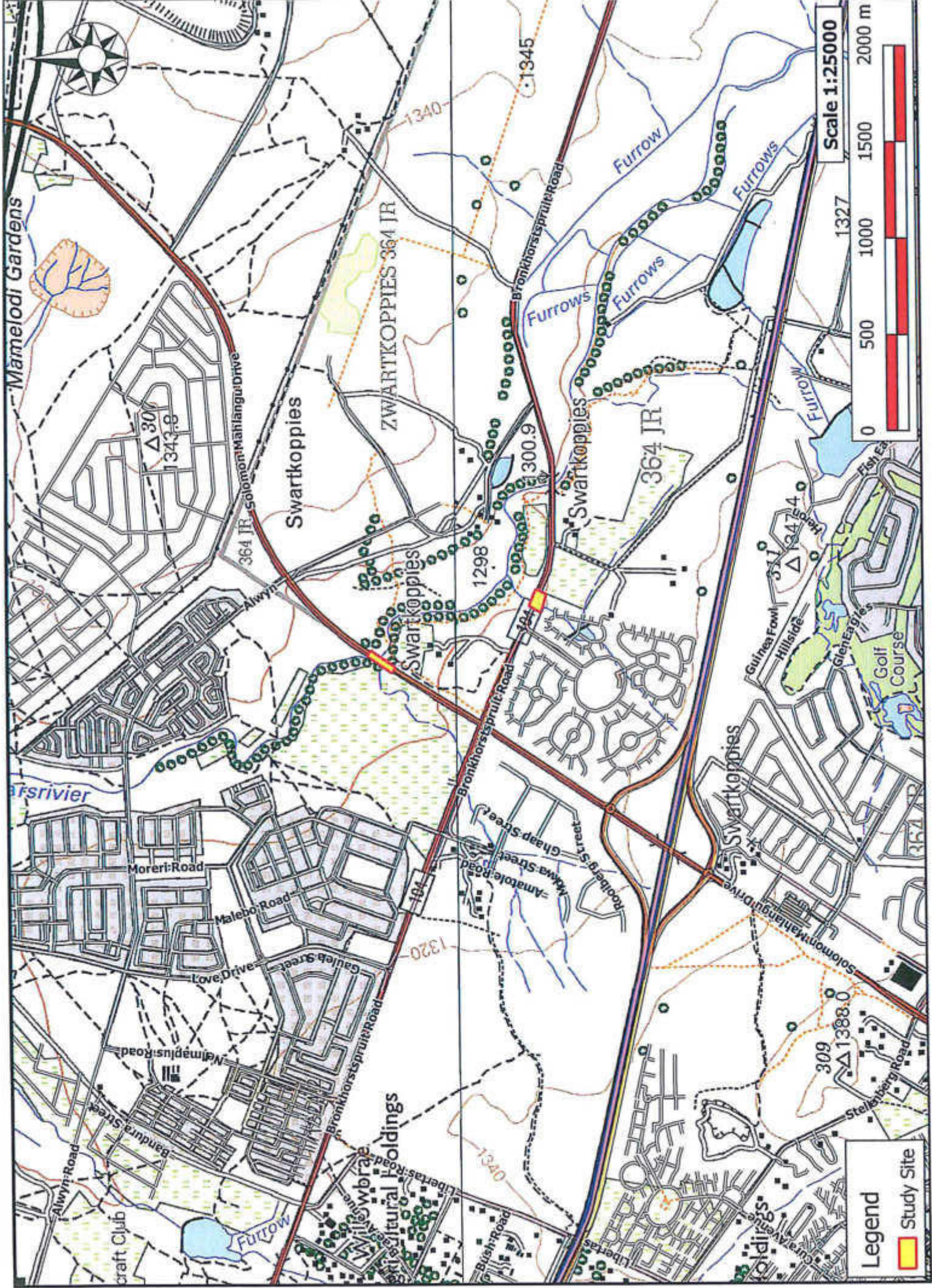
Payment date
2 March 2017

Amount
R 2 000.00

The Standard Bank of South Africa Limited (Reg. No. 1962/000798/06. Authorised financial services provider. YAT Reg No. 4100105461 Registered credit provider (NCRCP15). We subscribe to the Code of Banking Practice of the Banking Association South Africa and, for unresolved disputes, support resolution through the Ombudsman for Banking Services.

Annexure 2: Proof and a motivation for exclusion from paying a fee
N/A

Annexure 3: Locality Map



Scale 1:25000

Legend
Study Site

Mamelodi Gardens

Swartkoppies

ZWARTKOPPIES 364 JR

Swartkoppies

364 JR

Swartkoppies

Fsrivier

craft Club

Wilsobrae Agricultural Holdings

Guinea Fowl Hillside
Glencairn Golf Course

Moreri Road

Malebo Road

Love Drive

Mmapius Road

Bandura Street

Alwyn Road

Libertas Road

Wilsobrae

Wilsobrae

Wilsobrae

Wilsobrae

Moreri Road

Malebo Road

Love Drive

Mmapius Road

Bandura Street

Alwyn Road

Libertas Road

Wilsobrae

Wilsobrae

Wilsobrae

Wilsobrae

Moreri Road

Malebo Road

Love Drive

Mmapius Road

Bandura Street

Alwyn Road

Libertas Road

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Love Drive

Mmapius Road

Bandura Street

Alwyn Road

Libertas Road

Wilsobrae

Wilsobrae

Wilsobrae

Wilsobrae

Moreri Road

Malebo Road

Love Drive

Mmapius Road

Bandura Street

Alwyn Road

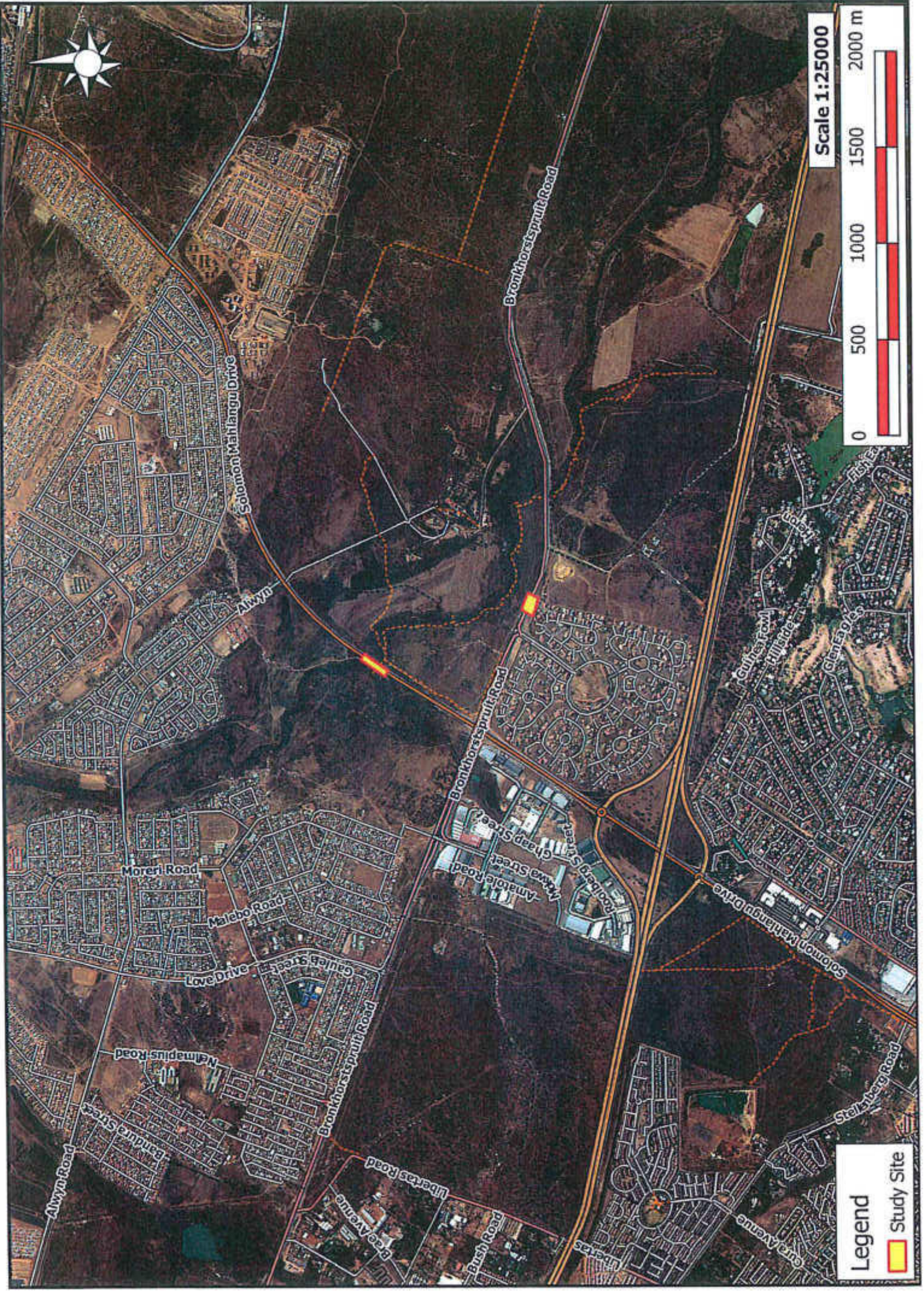
Libertas Road

Wilsobrae

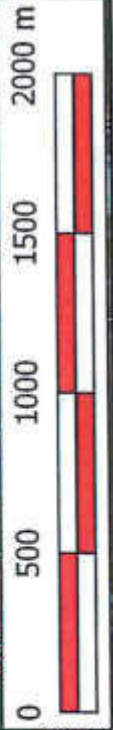
Wilsobrae

Wilsobrae

Wilsobrae

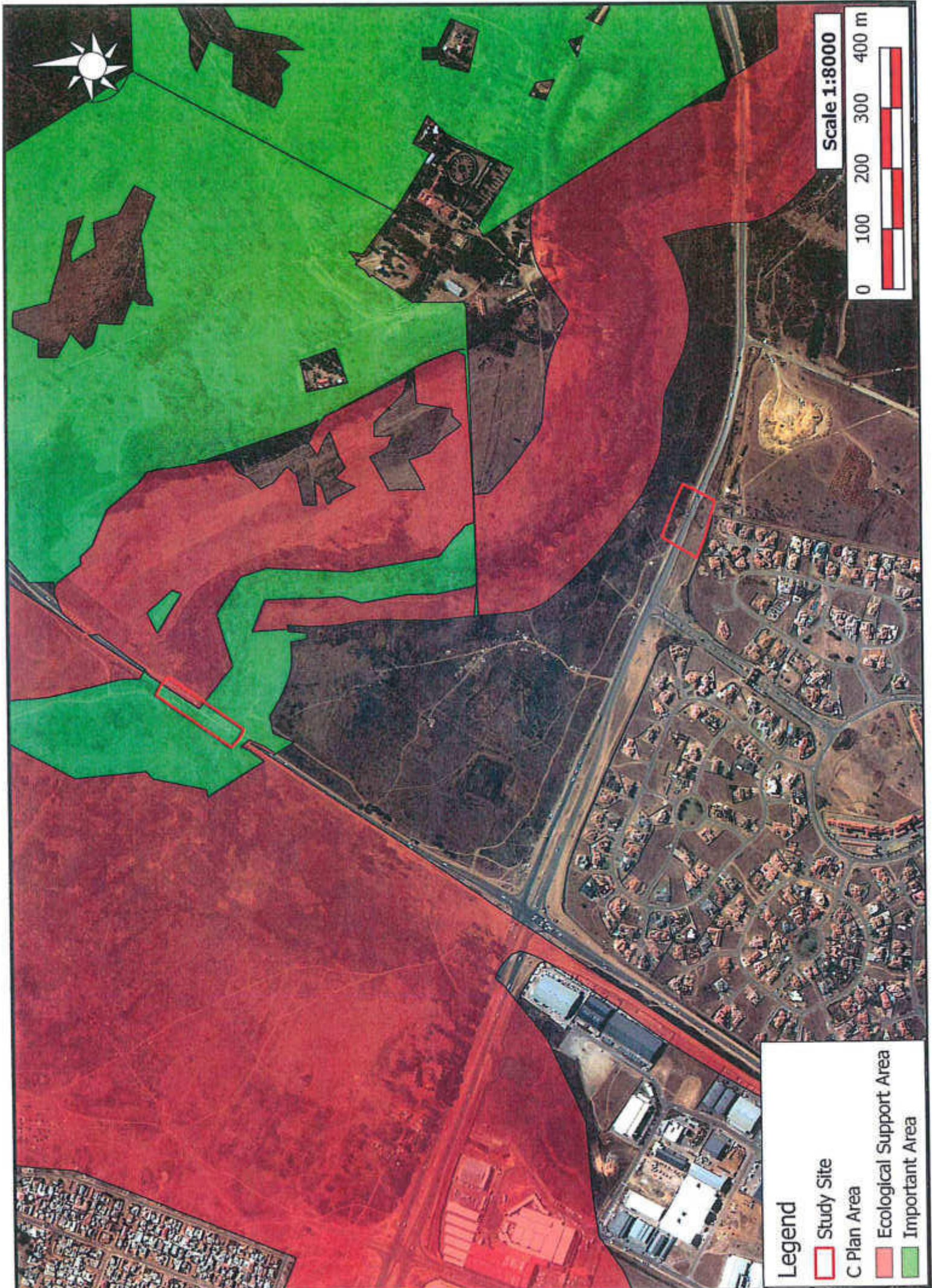


Scale 1:25000







Legend
Study Site

Annexure 4: Geographical area map triggering a listed



Scale 1:8000
0 100 200 300 400 m

- Legend**
-  Study Site
 -  Important Area
 -  Ecological Support Area
 -  C Plan Area

Annexure 5: Project schedule

Annexure 6: Proof by way of copies of Environmental Authorisations obtained for the same property or submissions of such applications.

N/A



agriculture and rural development

Department: Agriculture and Rural Development
GAUTENG PROVINCE

11 Diagonal, Diamond Building, Newtown, Johannesburg
P O Box 8769, Johannesburg, 2000

Telephone: (011) 240-2500

Fax: (011) 240-2700

Website: <http://www.gdard.gpg.gov.za>

Reference:	002/17-18/E0046
Enquiries:	Faith Mlambo
Telephone:	(011) 240-3053
Email:	Faith.mlambo@gauteng.gov.za

Bokamoso Landscape Landscape and Environmental Consultants CC

Email/Fax. info@bokamoso.net

Dear Sir / Madam

Basic Assessment Application & Draft Basic Assessment Report: Riverwalk Electrical


The Department acknowledges having received the basic assessment application & draft basic assessment report for environmental authorisation of the above-mentioned project on 31/05/2017.

You are required to submit five (5) copies (**3 full colour hard copies and 2 CDs-PDF**) of the Final Basic Assessment Report as well as a copy of the previously submitted application form for environmental authorisation.

In terms of Regulation 45 of the EIA Regulations 2014, this application will lapse should you fail to meet any of the time-frames prescribed in terms of these regulations, unless an extension has been granted in terms of regulation 3(7).

Please draw the applicant's attention to the fact that the activity may not commence prior to an environmental authorisation being granted by the Department.

Yours faithfully


Boniswa Belot
Deputy Director: Strategic Administration Support
Date: 05/06/2017
CC: Balwin Properties Limited

Att: R Gray
Email/Fax: Rodney@balwin.co.za



agriculture and rural development

Department: Agriculture and Rural Development
GAUTENG PROVINCE

11 Diagonal Street, Diamond Building, Newtown, Johannesburg
P O Box 8769, Johannesburg, 2000

Telephone: (011) 240-2500

Fax: (011) 240-2700

Website: <http://www.gdard.gpg.gov.za>

Reference:	Gaut: 002/17-18/E0046
Enquiries:	Malesele Sehona
Telephone:	011 240-3048
Email:	malesele.sehona2@gauteng.gov.za

Bokamoso Landscape Landscape and Environmental Consultants CC

Email/Fax: info@bokamoso.net

Dear Sir/ Madam

Request for extension of time to submit Final BAR: Riverwalk Electrical

The Department acknowledges having received your request for extension of time to submit Final BAR for the abovementioned project on 24/08/2017.

Your request for extension of time to submit Final BAR has been granted. Thus, you have until 20/10/2017 to submit the Final BAR.

Please draw the applicant's attention to the fact that the activity may not commence prior to an environmental authorisation being granted by the Department.

Yours faithfully

Boniswa Belot

Deputy Director: Strategic Administration Support

Date: 28/08/2017

CC: Balwin Properties Limited

Att: R Gray

Email/Fax: Rodney@balwin.co.za