



***Zwamavu Consultants***

Engineers and Developers

Corporate Profile





## Zwamavu Consultants

Engineers and Developers

### ZWAMAVU CONSTRUCTION & PROPERTY DEVELOPMENT

ZwaMavu Construction & Property Development was established in 2007 as a Property Development and Consulting Engineering Firm

#### A. CONSULTING ENGINEERING

##### 1. BUSINESS INFORMATION

- |                               |  |
|-------------------------------|--|
| 1.1 Name of the Business      | ZwaMavu Construction & Property Develop. |
| 1.2 Format of the Business    | Close Corporation                        |
| 1.3 Registration Number (CC#) | 2007/163560/23                           |
| 1.4 Tax Registration Number:  | 9097/216/17/1                            |
| 1.5 Vat Number                | 4170255410                               |
| 1.6 Date of Registration      | 25 February 2007                         |
| 1.7 Contact Information       |  |

Postal address: PO Box 1871  
Witkoppen  
2068

Physical Address: 68 Boulder Crescent  
Stone River Estate  
Fourways  
2055

Tel: 011 516 0037  
Cell: 083 288 4406  
Fax: 086 691 8866  
E-mail: humbulani@zwamavu.co.za

1.6 Managing Director: Humbulani B. Mudau

### DESCRIPTION OF THE BUSINESS

ZwaMavu Construction & Property Development is a construction and consulting engineering firm that focuses on construction, the fields of geological and geotechnical engineering as well as structural engineering. The firm specializes in various spheres related to effective development of the land with respect to the aspects that include Construction, Engineering Geology, Geotechnical Engineering, Structural Engineering, Geographical Information Systems (GIS) and Environmental aspects.

The Company conducts engineering geological investigations and offers comprehensive information and guidance with respect to the effective development of land. We provide also founding recommendations and solutions where developments are proposed. The services offered also involve investigations and advice on the construction and building material resources.

### 3. SERVICES AND EXPERTIES WE OFFER

Our services and products include:

- Engineering geological/geotechnical investigations
- GIS Mapping
- Foundation investigations and solution
- Construction materials evaluation
- Ground water exploration

Our skills include geotechnical investigations for, inter alia:

- residential, commercial and industrial applications
- foundation design of high-rise structures
- earth embankment design and construction
- lateral support design
- pipeline construction
- road pavement design
- environmental modelling

### 4. COMPANY OVERVIEW

ZwaMavu Construction & Property Development is a firm of consultants that conducts geotechnical investigations and related services. The firm also advises on appropriate land use with regards to development of the land with respect to the aspects that include Engineering Geology, Geotechnical Engineering, Structural Engineering, Geographical Information Systems (GIS) and Environmental related issues.

The Company conducts engineering geological investigations and provides recommendations with respect to the structural solutions and recommendations based on the ground conditions.

#### 4.1. Business strategy

ZwaMavu Construction & Property Development endeavors to become a leader in the field of engineering geology and to give total commitment to the aspects that are related to the effective and optimum development the land.

The aim of ZwaMavu Construction & Property Development is give a total solution and well timed results that will be in line with the current scientific guidelines and standards. We aim to offer the best and economical solutions related ground conditions without compromising the integrity of the development.

The Company commits to giving results, within the bounds of environmental concerns and natures restrictions.





## *Our Aim*

To development is give a total solution and well timed results that will be in line with the current scientific guidelines and standards.

## 4.2. VISION STATEMENT

Our vision is to provide the best and comprehensive engineering geological services and to provide informative, appropriate and cost-efficient solutions to the benefit of our clients/customers - organizations, businesses, local communities and other developers.

## 5. COMPANY VALUES

The values that form the basis and solid structure of the company are best described in the following:

### Foundational values

- Integrity and honesty
- Customer service
- Excellence
- Accuracy
- Commitment
- Customer orientation
- Quality service
- Credibility

## 6. BRIEF OWNER PROFILE AND PROJECTS

The Company Managing Director has conducted extensive engineering geological and geotechnical work including:

Engineering geological/geotechnical investigations for the Eastern Cape Department of Housing.

Engineering geological investigations for sanitation and water installation (12 000 stands) for Johannesburg Water.

Engineering geological and geotechnical investigations for the offices of the South African Football Association (SAFA) and for the stadium upgrade at FNB/Soccer City Stadium.

Extensive engineering geological investigations in dolomite and non-dolomite areas for a various development requirements.

Dolomite Risk Management.

Peer Review of geotechnical work for the NHBRC.

Geotechnical investigations for roads and construction materials.

Compiled the processes and systems of risk management with respect to geotechnical requirements for the NHBRC  
Geotechnical analysis as well as the evaluation of the geotechnical properties with relation to the recommendations on foundation conditions for the NHBRC.

Established of standards of evaluating geotechnical reports for both dolomitic and non-dolomitic areas for the NHBRC.

Involved in initiating regular advice on geotechnical requirements to the NHBRC Regional Offices.

Involved updating and simplifying the NHBRC Home building manuals as well as to align it with industry standards.

Geological mapping as well as mapping of the Bushveld Complex with respect to platinum exploration for Boynton Platinum.

Conducted the drilling program as well as core logging and plotting the economic potential of the exploration sites for Boynton Platinum.

Compiled engineering geological/geotechnical maps on a regional scale (1:50 000 scale) for the Council for Geoscience.



## 6. BRIEF OWNER PROFILE AND PROJECTS - Continued

Conducted site-specific investigations, i.e. small scale and detailed investigations of the geotechnical properties of the soil and foundation recommendations for the Council for Geoscience.

Compiled hazard maps, e.g. locating coal fires in coalfields and coal mines (both operating and abandoned mines) for the Council for Geoscience. The program included the knowledge and understanding the South African coalfields as well as the understanding of the quality of coal in order to have an idea of where the coal fires are likely to occur.

Involved in locating economic deposits such as gold, diamonds and other economic mineral resources for the Council for Geoscience. The program was mainly explorational where areas that were economically viable were earmarked in case of future exploitation. Environmental implications were also taken into consideration.

Produced GIS based marine and regional geological maps from data points accumulated from fieldwork for the Council for Geoscience.

Geology tutor for the University of the Western Cape.

Conducted practical lessons to the 1st and 2nd year pupils. This included lessons in structural mapping, and rocks and minerals identification (both hand specimens and under the microscope).

Professional Affiliation: SACNSP  
Registration number: 400168/05

## 7. CONSULTANTS

Xolani Nxumalo, Pr Eng

Professional Qualifications	<ul style="list-style-type: none"><li>- B.Sc. (Eng)(Civil) (University of the Witwatersrand)</li><li>- M.Sc. (Eng) (University of the Witwatersrand)</li><li>- Master of Business Administration degree (MBA) (University of Pretoria)</li><li>- Certificate in Masonry Design</li><li>- Certificate in Timber Construction</li></ul>
Registration	ECSA - Registration number: 20080010

Mr Stuart Morgan

Professional Qualifications	<ul style="list-style-type: none"><li>- BSc (Eng) Civil</li><li>- MSc (Eng) Civil</li><li>- Pr Eng (No 980456)</li></ul>
Registration	ECSA, SAICE



# 8. PROJECTS COMPLETED BY CONSULTANTS

No	Housing and other work experience	No of units or stands	Client	Lead Consultant
1	Lehae Expansion Project – dolomite stability	~15000	City of Johannesburg	Yandasi Investments
2	Atteridgeville dolomite stability	?	Tshwane Metropolitan Municipality	ASA Group
3	Vosloorus dolomite Stability	3.5Ha	Molefi Properties	ZwaMavuConsult
4	Cala (Eastern Cape)	~3000	Eastern Cape Housing Department	ZwaMavuConsult
5	Dukathole (Aliwal North)	~1500	Malitswai Municipality	ZwaMavuConsult
6	Elliot (Eastern Cape)	~1000	Eastern Cape Housing Department	ZwaMavuConsult
7	Kentane (Eastern Cape)	~900	Eastern Cape Housing Department	ZwaMavuConsult
8	Vlakplaats Dolomite Stability Investigations	125Ha	Midvaal Local Municipality	Mamphela Dev. Planners
9	Sicelo Sciceka – Dolomite stability	250Ha	Midvaal Local Municipality	Mamphela Dev. Planners
10	Kagiso	9000	Gauteng Housing	Mamphela Dev. Planners
11	Leratong	2500	Gauteng Housing	Mamphela Dev. Planners
12	Soccer City/FNB Stadium – 2010 Upgrade	1	LOC	PhumAf
13	Itireleng Dolomite Stability Investigations	110Ha	Gauteng Housing	Mamphela Dev. Planners Urban Dynamics
14	Atteridgeville Dolomite Stability Investigations	350Ha	Gauteng Housing	Mamphela Dev. Planners Urban Dynamics
15	Badirile	~1500	Gauteng Housing	Enkanyini Projects



8. PROJECTS COMPLETED BY CONSULTANTS - continued

No	Housing and other work experience	No of units or stands	Client	Lead Consultant
16	Vhembe District	~1550	Limpopo Housing	PD Consulting
17	Leboakgomo – dolomite stability	~550	Limpopo Housing	Zwamavu Consulting Engineers
18	Khunotswana	~650	North West Housing	Urban Dynamics
19	Winterveld	~6000	Gauteng Housing	Urban Dynamics
20	Motlotlo Relocation	~4000	Amplats	STA Consulting Engineers
21	Tshepiso X4	3940	Gauteng Housing	Urban Dynamics
22	Heidelberg X23	2503	Gauteng Housing	Urban Dynamics
23	Irene Forensic Dolomite Investigations	1	NHBRC	ZwaMavu Consulting Engineers
24	Marite - Pedestrian and vehicle bridge	1	Mpumalanga Roads	Mokete Consultants
25	Aconhoek - Pedestrian and vehicle bridge	1	Mpumalanga Roads	Mokete Consultants
26	Mkhuhlu - Pedestrian and vehicle bridge	1	Mpumalanga Roads	Mokete Consultants





# *We Endeavour*

to become a leader in the field of engineering geology and to give total commitment



The background image shows a large drilling rig mounted on a white truck. The rig is positioned in a dry, dusty field with sparse vegetation. Two workers are visible near the rig, one standing and one sitting. The sky is blue with scattered white clouds. The rig has a tall vertical mast and various mechanical components. The truck is a heavy-duty model with multiple axles.

## CONSTRUCTION OVERVIEW

ZwaMavuConstruction & Property Development brings eleven years of experience in both property and construction industry over and above business management skills.

ZwaMavuConstruction & Property Development has overtime acquired expertise in project management activities largely in the constructions sector.

We offer construction and project management service, which promotes a non-adversarial team based and pro-active management philosophy.

Our main objective in projects we undertake is to satisfy the requirements of the clients that we serve. We strive to give a high standard of performance.

Continuing Professional Development programs offered by professionals in the field we are in is regularly pursued to help remain up to date.

ZwaMavuConstruction & Property Development specializes in single storey and multi-storey housing development.





## *Zwamavu Consultants*

Engineers and Developers



## *This Company*

commits to giving results, within the bounds of environmental concerns and natures restrictions.





**Zwamavu Consultants**

Engineers and Developers

#### Zwamavu Consultants Contact details

**Contact Person:** Humbulani Mudau

**Tel:** + 27 11 516 0037

**Fax:** 086 691 8866

**Physical Address:** 64 Boulder Crescent  
Stone River Estate,  
Beverly Ext 64, 2055

**Postal Address:** PO Box 1871 Witkoppen 2068

**email:** [humbulani@zwamavu.co.za](mailto:humbulani@zwamavu.co.za)

**Web:** [www.zwamavuconsulting.co.za](http://www.zwamavuconsulting.co.za)

