

Cornelius van Niekerk's Resume

Personal Details

Full Name: Cornelius van Niekerk
Location: Johannesburg, South Africa (Gauteng)
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Contact # : +27 82 3741121
Nationality: South Africa, South Africa
EE-AA: White
Civil Status: Married.
Job Title : Engineering Surveyor
Location : South Africa (Gauteng)
Job Type : Permanent

I am a Qualified Engineering Surveyor. I enjoy a challenge and am flexible and adaptable in terms of my immediate working environment. I have commendable Managerial skills and excellent technical knowledge of the broader Survey discipline. I have a positive social and professional attitude and am achievement orientated. I can take initiative and possess a strong endurance trait. I work well as a team and individually. I consider myself as hard working and willing. I am confident and honest with high moral and ethical values.

Employment History

Chief Surveyor at AVENG Grinaker – LTA HQ

Duration : 11/2014 - Current
Occupation : Chief Surveyor
Employer Sector: Civil Construction
Sub-sector: Infrastructure
Type : Permanent
Duties : Manage and oversee all Survey Operations within the Civil Engineering department.

Oversee and coordinating 20 Survey teams within the survey department on different Engineering projects.

Manage all surveyors and their assistants on sites, identify all needs and requirements within the survey department.

Establishing of Primary and secondary survey control networks. Manage and assist with all survey setting out, survey model and

Quantity calculation data on sites.

Submit Survey reports, evaluate survey teams and assist with problem solving. Establish and implement survey standers and procedures.

Management of all Survey assets and investigate New Technology
Training and evaluation of all survey Staff.

Equipment used: Leica, Trimble GPS, Total Station, Trimble Machine Control System, Dini and Auto Levels.

Software: Road Maker, Model Maker, Multi Survey, Trimble Business Centre, Leica Geo Office, Microsoft Office

Projects :

Road Construction: N1 Ventersburg 24Km dual carriageway machine control used, Windhoek Namibia 10Km dual carriageway machine control used, N1 Trompsburg 21Km machine control used, All Saints 19Km, Saint Marks 16Km, Sun City, Queens Town, Road Construction etc.

Mine Construction: Cullinam Plant, Styldriff 8Km Conveyor, Grootegeluk Holding dams and Plant, Ropecon 12 Km Conveyor and change house, Majuba 8Km Conveyor, Buildings, rail link and access roads.

Bridge Construction: On our road contracts & New N2 Wild Coast, Mtentu Bridge: 1.6Km, 320m high incremental launch bridge.

To name a few.

Survey Manager at Group Five Civil Engineering / Survey Department HQ

Duration : 04/2010 – 10/2014

Occupation : Survey Manager

Employer Sector: Building & Construction

Sub-sector: Infrastructure

Type : Permanent

Duties : Manage and oversee all Survey Operations within the commercial survey department.

Oversee and coordinating 18 Survey teams within the commercial survey department on different on Civil Engineering, Building and external survey projects.

Establishing of Primary and secondary survey control networks.
Manage and assist/check with all survey setting out, survey model and quantity calculation data. Internal and external sites

Manage and assist all surveyors and their assistants on sites, identify all needs and requirements within the commercial survey department.

Training and evaluation of all commercial survey Staff.

Problem solving, report writing and evaluate survey teams. Establish and implement survey standers and procedures.

Marketing and building of the survey business.
Building client relations.

Tendering on New survey projects.

Safety: Ensure safe working environment and supervise staff to maintain safe working conditions and methods during all field operations.

Ensure profitability of department Cost/Revenue, Budgeting and Invoicing of commercial survey operations.

Equipment used: Leica, Trimble GPS, Total Station, Trimble Machine Control System, Dini and Auto Levels.

Software: Road Maker, Model Maker, Multi Survey, Trimble Business Centre, Microsoft Office

Projects :

Building projects: Nelson Mandela Children's Hospital Multi story, Trans Net Head Office Pretoria Multi Story, Cell C Warehouse and head office Johannesburg Multi Story, DSTV Head Office Randburg Multi Story, Netcare, Tarsus, Investe, Crystal park, Jabulani Theater, Group Five Head Office Multi story etc.

Mall of Africa, Forrest hill Multi Story Shopping mall.

Mine Construction: Western Plat, Kakamas, Kalagadi, Sasol, DRC Mine Plant and conveyor belt construction.

Tenders: SA Road Agency, Queensland 48Km, Durban N2 Lidar Mobile Scanning Dual Carriageway 12Km, Rustenburg Bus Network 35Km Mobile Scanning and submission of Layout Drawings for design ets.

To name a few.

Reason for leaving :

Career advancement.

Group Five Civil Engineering: King Shaka International Airport (ILembe J.V)

Duration : 05/2007 - 04/2010

Occupation : Survey Manager

Employer Sector: Civil Construction

Sub-sector: Infrastructure

Type : Permanent

Duties : King Shaka International Airport Durban KZN - 7 Billion.
Control field and office based survey tasks and computations as per instructions from the Engineering Managers.

Engineering Survey: Survey Manager on site and in control of all survey operations, Quantity calculations, setting out data for construction of (Roads, Runway, Taxiway, Drainage, Bulk Earthworks, Concrete works, Layer works and all Services)

Overseeing all aspects of the day to day survey operation on site. Coordinating 24 Qualified survey teams in the different departments, Airside, Landside, Structures, and Services.

Establishing of Primary and secondary survey control network. Calculate and building models for setting out of road works, earth works and concrete works. Checking designs and compiling models of all as-built and DTM Surveys. Updating CAD (DWG) drawings. Calculate and check all & Final Quantities and Layer works data for submission to client. Liaise with clients regarding any additional

survey requirements.

Calculate borrow pit blasting patents, excavation and stockpile quantities for monthly recon.

Provide survey reports when required.

Safety: Ensure safe working environment and supervise staff to maintain safe working conditions and methods during all field operations.

Provide administrative information as required, including time-sheets and QA records.

Possess the ability to work independently to complete set of tasks and also be part of a team to achieve project driven deliverables.

Equipment used: Trimble GPS, Total Station Leica, Trimble, Trimble Machine Control System, Dini and Auto Levels.
Software: Road Maker, Model Maker, Multi Survey, Trimble Business Centre, Microsoft Office

Reason for leaving :

Contract completed successfully and transferred to Head Office for promotion.

Group 5 Roads & Earthworks: Phase2 Lady Frere to Stokwe

Duration : 04/2005 - 05/2007

Occupation : Senior Surveyor

Employer Sector: Civil Construction

Sub-sector: Infrastructure

Type : Permanent

Duties : Phase2 Lady Frere to Stokwe Basin 30 km road Construction - 120 million.

Engineering Survey: Senior surveyor on site and in control of all site survey operations, 3 Survey teams. Quantities for Q.S. Setting out of layer works, Earthworks, roadworks, structures, services.

Setting out of borrow pit, blasting patents, excavation and stockpile quantity recons.

Downloading of all tachys on to P.C. & calculating of quantities. The calculation of Control and the Positioning of Roads & all Structures.

Safety: Ensure safe working environment and supervise staff to maintain safe working conditions and methods during all field operations.

Equipment used: Leica, Trimble GPS, Total Station, Trimble Machine Control System, Dini and Auto Levels.

Software: Road Maker, Model Maker, Multi Survey, Trimble Business Centre, Microsoft Office

Cut to fill 900 000 m³ & 7 Bridges,
3 Box Culverts and 14 Cattle Creeps.

Reason for leaving : Transfer to another site within Group 5

Group Five Roads & Earthworks: Beaufort West Western Cape, N1 Road rehabilitation

Duration : 02/2005 - 04/2005

Occupation : Senior Surveyor

Employer Sector: Civil Construction

Sub-sector: Infrastructure

Type : Permanent

Duties : Beaufort West Western Cape, N1 Road rehabilitation - 80 million.

Site establishment

Engineering Survey: Senior surveyor on site and in control of all site survey operations, cross sections survey and quantity calculation data. Establishing of Primary and secondary survey control network.

Downloading of all DTM and as-built surveys data, calculating of all quantities. Calculate and setting out of Roads, etc.

Setting out of borrow pit, blasting patents, excavation and stockpile quantity recons.

Reason for leaving : Transfer to another site within Group 5

Group Five Roads & Earthworks: Engcobo to Idutwa 32 km road

Duration : 01/2003 - 02/2005

Occupation : Civil Construction

Employer Sector: Senior Surveyor

Sub-sector: Infrastructure

Type : Permanent

Duties : G5 BR-I lima JV. Engcobo to Idutwa 32 km road Construction. - 196 million.

Engineering Survey: Senior surveyor on site and in control of all site survey operations, 3 Survey teams. Quantities for Q.S, Setting out of layer works, Earthworks, roadworks, Structures & all services. Downloading of all as-built and DTM Surveys data, building of survey models, calculation of quantities and submission to client.

Verify Primary and establish secondary survey control network on site.

Calculate and set out of Roads, Structures etc.

Calculate borrow pit blasting patents, excavation and stockpile quantities for monthly recon.

Reason for leaving : Cut to fill 1.3 Mil m3 & 4 Bridges, 2 Box Culverts and 3 Cattle Creeps.
Transfer to another site within Group 5.

Land Surveyor Technician at Spronk Professional Land Surveyors

Duration : 09/2002 - 12/2002
Occupation : Land Surveyor Technician Cadastral
Employer Sector: Land Surveying
Sub-sector: Cadastral
Type : Permanent
Duties : Cadastral Survey of Pearly Beach & Elim W. Cape. & Topographical Surveys in varies Areas around Western Cape.

Field duties included Cadastral & Engineering Survey, Tachometric Traversing, Searching of Cadastral Beacons, Establishment of Beacon values, Placing of township Beacons for New Urban Developments with a GPS.

Office duties included calculation of traverses and reduction of Observations on P.C. and submitting to Land surveyor General.

All Surveys were carried out with a GPS , Trimble 4800 & 5700

Reason for leaving : Better prospects offered elsewhere.

Power Construction (Pty) Ltd

Duration : 02/2001 - 09/2002
Occupation : Surveyor
Employer Sector: Building & Construction
Sub-sector: Building
Type : Permanent
Duties : Sparrabosh Golf Course Estate Knysna Western Cape - (Road Construction, storm water & services for Urban development) 45 Million. Setting out of Road works; Storm water; Sewer and all Services as well as all Major earthworks; Retaining walls; Buildings; Concrete Platforms and pump stations for sewer lines, Curb lines. All tachy surveys for quantities before, during, and after completion of project. Downloading of all tachys on to P.C. & calculating quantities.

Thesen Island Knysna. Property Development on Knysna lagoon (Island) and the drenching of wetland & construction of water ways - 300 Million. Setting out of water ways, bridges, roads and buildings and all Related Earthworks to the Construction of the Island. All tachy surveys for quantities before, during, and after completion of project. Downloading of all tachy surveys on to P.C. & calculating quantities.

Whale Rock Pletenburg Bay. (Urban Development) - 15 million.
Setting out of Roadworks; Storm water; Sewer and all Services as well as all Major earthworks & Retaining walls, Curb lines.
All tachy surveys for quantities before, during, and after completion of project. Downloading of all tachys on to P.C. & calculating quantities.

Boa Esparansa, Mossel Bay (Block of Flats) - 10 million.
The calculation & Setting out of all Major Earthworks and all Services, Retaining walls ; Buildings & All Control on site for Survey.
All tachy surveys for quantities before, during, and after completion of project.

Bracken Ridge Golf Course Estate, Knysna, Western Cape - 35 million. Setting out of Road works, Storm water, Sewer and all Services as well as all Major earthworks; Retaining walls; Buildings; Concrete Platforms and pump stations for sewer lines, Curb lines.
All tachy surveys for quantities before, during, and after completion of project. Downloading of all tachy's on to P.C. & calculating quantities.

Reason for leaving : Better prospects.

Transand Civils (Pty) Ltd

Duration : 11/2000 - 12/2000
Occupation : Surveyor / Site Agent
Employer Sector: Building & Construction
Sub-sector: Building
Type : Permanent
Duties : The calculation & Setting out of all: Layer works, Storm water Controlling all Earthworks, layer works, and general running of Site, calculation of all quantities for certificate.
Reason for leaving : Better prospects.

Blignout & Rommelaere Land Surveyors, Engineering

Duration : 05/2000 - 10/2000
Occupation : Land Surveyor Technician
Employer Sector: Building & Construction
Sub-sector: Building
Type : Contract
Duties : Land Surveyor Technician - Summer Strand Rural development: Calculation & Setting out township Beacons. R70 000.00

Land Surveyor Technician - Parow, Bellville, and Tigervally, (Setting out of Plots): R55, 000-00

Field duties included Cadastral & Engineering Survey
Tachometric Traversing
Searching of Cadastral Beacons,
Establishment of Beacon values.

Placing of township Beacons.
Office duties included calculation of traverses and reduction of
Observations on P.C. and submitting to LAN surveyor General.

Land Surveyor Technician, Engineering Survey Technician - Century
City;Tygerberg Business Park;Clearmont Shopping Mall;
N2 Highway;Pentech;V&A Waterfront (Concrete) - 450 Mil, 50 mil, 45
mil, 5 mil, 25 mil, 25 mil.

Field duties included: Tachometric Traversing
Setting out for Engineering purposes of Bridges (N2), Office blocks &
Concrete platforms for buildings.
Pilling positions for all the above mentioned.
Observation of existing features for Engineering projects.
Tachometric Surveys for Contour Plans.

Reason for leaving : Contract completed.

Transand Civils (Pty) Ltd

Duration : 01/1999 - 05/2000

Occupation : Surveyor

Employer Sector: Building & Construction

Sub-sector: Building

Type : Contract

Duties : Mossel Bay Water (Water Purification) - 40 million.
The calculation & Setting out of: Sewer water drainage systems;
Concrete Filtration dam, Settelingtank and pump station.
All Roadwork's and all control on site.
Mossel Bay Tannery (Earthworks & Roadwork's and Platforms) - 25
million.

Running of all Earthworks, layer works, and general running of Site,
calculation of all quantities for monthly certificate.

Reason for leaving : Contract Completed

Power Construction (Pty) Ltd

Duration : 01/1998 - 07/1998

Occupation : Junior Surveyor

Employer Sector: Building & Construction

Sub-sector: Infrastructure

Type : Permanent

Duties : Somerset Business Park (Cape Town) Industrial development - 2.5
million.

The calculation and setting out of all: Layer works, Storm water
Sewer, Water drainage and Telkom layouts.
All Control on site.

Century City (Cape Town) Shopping Complex - 450 million.
The calculation & Setting out of the Storm water drainage system
under the Main Shopping complex.

Reason for leaving : Career advancement.

Student Surveyor at Bellville Municipality

Duration : 01/1996 - 12/1996
Occupation : Learner Surveyor
Employer Sector: Government & Local Government
Sub-sector: Municipality
Type : Student
Duties : Levelling, Triangulation, Trig levelling
Photogrammetric Construction surveying
Computer data processing, G.P.S.: Setting Out; Triangulation
Networks and DTM Surveys
Reason for leaving : Student Surveyor further studies.

Skills

Expert/Specialist	Management Skills	over 15 years
Expert/Specialist	Trimble Machine Control	over 10 years
Solid	Dini Level Pro	over 10 years
Expert/Specialist	Total Station, Trimble, Leica, Nikon	over 20 years
Expert/Specialist	Trimble, Leica GPS Systems	over 15 years
Expert/Specialist	Multiserv Survey Package	over 10 years
Expert/Specialist	Trimble Geomatics Office	over 10 years
Expert/Specialist	Road Maker (Survey Road Modelling Software)	over 15 years
Expert/Specialist	Model Maker (Survey Modelling Software)	over 15 years
Expert/Specialist	CAD Drafting	over 20 years
Basic/Limited	Auto CAD	1 to 2 years
Basic/Limited	Civil designer	1 to 2 years
Basic/Limited	GIS	1 to 2 years
Expert/Specialist	Computer Literate (Microsoft)	over 20 years

Education History

B-Tech Surveying Degree

Tshwane University of Technology School for Civil Engineering
B-Tech Surveying Degree at Tshwane University of Technology, South Africa, Pretoria (Gauteng)
Ongoing 2018
Subjects Completed : GIS, Town Planning, Practice Management, Research Methodology

National Diploma in Surveying

Cape Town University of Technology School for Civil Engineering
National Diploma at Cape Town University of Technology, South Africa (Western Cape)
Completion 11/1998
Subjects : National Diploma in Surveying. Cape Town University of Technology School for Civil Engineering.

GPS Survey RTK & GPS Survey

Trimble Certificate at Cape Town, South Africa (Western Cape)
Completion 10/1996
Subjects : RTK, Static, Site Calibration GPS Survey.

ND1 Cartography

Cape Town University of Technology School for Civil Engineering
Diploma at Cape Town, South Africa (Western Cape)
Completion 11/1993
Subjects : ND1 Cartography. at Cape Town University of Technology, School of Civil Engineering.

Military Service SADF

SADF 47 Survey Squadron (1990)

Senior Certificate

Point High School
High School/Grade 12 (Matric) at Mossel Bay, SA (Western Cape)
Completion 12/1989
Subjects : English Afrikaans Maths Physics Economics Geography

Associations

SA Geometrics Institute (SAGI)

Duration : 03/2010 - Current
Your Role : Engineering Surveyor (No.658)

Council for Prof & Tech Surveyors. (PLATO)

Duration : 03/2007 - Current
Your Role : Engineering Surveyor (S0627)

Languages

Current : English Read, Write, Speak
Current : Afrikaans Read, Write, Speak

Achievements

01/2001 Surveyor of the Year Power Construction (Pty) Ltd

References.

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Professional Surveyor, South Africa