



CHARL PHILIPPUS CLASSENS

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Academic Qualifications:

- BSC Eng (Civil) (UP 1973)
- DIP Data Metrics (Computer SC) (UNISA 1979)
- B Eng Hons (Water Util) (UP 1983)
- Integrated Environment Management (Univ Potch 1992)
- LLB (UNISA 1996)
- Construction Law Specialisation Course (2002)
- Arbitration Fellowship Admission Course (2003)
- B Eng Hons Environmental Eng (UP 2009)

Membership of Professional Institutions:

- SA Council of Engineering (ECSA) – Professional Engineer Reg. 800450
- SA Institute of Civil Engineers (SAICE) (NO. 8446)
- Fellow of Association of Arbitrators of Southern Africa (No: 1639)
- Moderator : Vaal University of Technology
- Water Institute of Southern Africa (WISA) (No. 19900)
- South African Council for Projects & Construction Management Professions (SACPCMP)

Experience and fields of work:

**OUTLINE OF RECENT ASSIGNMENTS / EXPERIENCE THAT HAS A BEARING
ON THE SCOPE OF WORK**

WATER EXPERIENCE

| PROJECT NAME | PROJECT DESCRIPTION | VALUE Est R x 10 ⁶ | CLIENT | YEAR COMPLETED | REFERENCE | CONTACT NO |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|----------------|--------------------------------------------|------------------------------|
| Eshowe water & Sewer Services | Upgrading of Eshowe sewer network including replacing of three secondary treatment works with one primary works | 130,0 | uThungulu District Municipality | 2015 | G Breytenbach | 035 799 2523 |
| Fika Patso WPP | Upgrading of WPP by adding 40 Ml/day filter unit & associated facilities | 40,0 | Maluti-a-Phofung Municipality | 2014 - Ongoing | Basie Ungerer | 058 718 3808 |
| Muden – Keatesdrift Bulk Water | 12 Ml/day water purification plant, 5 Ml reservoir, 22,5 km pipelines with two 90 l/s pumpstation | 45,0 | uMzinyathi District Municipality | 2012 | T Malunga | 034 219 1500 082 891 5730 |
| Ngagane - Newcastle | Evaluation & assessment of the 115 Ml/day Ngagane plant Newcastle RSA for uThukela Water Process and capacity assessment completed, sludge & water recovery investigation | 60,0 | uThukela Water | 2013 | Mrs Hannelie Hickley | 034 328 5000 |
| Viljoenpark Reservoirs Newcastle | Bulk water and sanitation for Viljoenpark comprising two 10 Ml reservoirs, upgrading of WPP, pumpstation, pipelines and upgrading of WWTW | 130,0 | Newcastle Local Municipality | 2010 - 2013 | Mrs Hannelie Hickley Mr Nkululeko Ncube | 034 328 5000 034 317 1270 |
| Muden – Newcastle | Muden water purification plant | 3,5 | uThukela Water | 2006 - 2007 | Mrs Hannelie Hickley | 034 328 5000 |
| Ophate Rural Water Supply | Ophate rural water supply scheme Muden KZN 26 Reservoirs, Potable | | uMzinyathi District Municipality | 2005 - 2011 | T Malunga | 034 219 1500 |

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|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------|----------------|----------------------|----------------|
| Scheme | Water Supply including Purification (3MI/day) Seven Pumpstations & 150 km Pipelines | 130,0 | | | M Dlamini | 082 891 5730 |
| Upgrading of Eshowe Water Purification Works | Upgrading of Eshowe water purification Works from 6 MI to 13 MI comprising chemical dosing, rapid sand filters, flocculation & sedimentation | 5,0 | uThungulu District Municipality | 2005 - 2006 | G Breytenbach | 035 799 2500 |
| Vaal Marina | Vaal Marina Bulk Water | 10,0 | Midvaal Local Municipality | 2005 | B Murphy | 016 360 5801 |
| Reservoir, Sasolburg | Sasolburg bulk water supply including 5 MI Reservoirs and Related Work | 30 | Metsimaholo Municipality | 2003 – 2008 | T Robertson | 016 973 8300 |
| Melmoth Water | Comprising reservoirs, bulk supply lines and pumpstations, networks WWTW, water purification, distribution networks | 200 | uThungulu District Municipality | 2013 - Ongoing | Mrs Zolani Mayeza | (033) 799 2500 |
| Ngagane WPP | 115 MI/day upgrade including chlor and lime dosing | 60 | Newcastle Municipality | 2010 - 2015 | Mrs Hannelie Hickley | 034 328 5000 |

SEWAGE EXPERIENCE

| PROJECT NAME | PROJECT DESCRIPTION | VALUE Est R x 10 ⁶ | CLIENT | YEAR COMPLETED | REFERENCE | CONTACT NO |
|--------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|----------------|---------------|--------------|
| Ncandu Pumpstation | Upgrading of Ncandu Sewerage pumpstation to 200 l/s and a new 600 mm rising main | 33,0 | Newcastle Municipality | 2015 - | N Ncube | 034 317 1270 |
| Melmoth | Replacement of existing small borne & digester tank system with conventional sewer reticulation for Melmoth (Phase 1&2) | 19,0 | uThungulu District Municipality | 2014 - 2016 | G Breytenbach | 035 799 2500 |
| | Design,detailing,documentation | | | | | |

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|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------|-------------|-----------------------------------------------|------------------------------|
| Leandra / Lebohang WWTW | , upgrading & extension WWTW. Process design, verification, hydraulic design. Included extension existing reactor, new 7 Ml/day reactor, 25 m ø clarifier, chlorination installation, anaerobic sludge treatment, fire bubble aerations, MCC blower room & pumpstations BNR process from 3 Ml/day to 12 Ml/day at Leandra/Lebohang WWTW | 130,0 | Selatile Moloji Consulting Engineers (SEMO) for Govan Mbeki Municipality | 2014 - | Tihalefo Moloji | 051 430 0542 082 901 6861 |
| Port Harcourt Sewage Works Nigeria | Port Harcourt : Ogbogoro Waste Water Treatment Works. Capacity 15 MI biological nutrient removal BNR plant. Process & Hydraulic designs, element designs & detailing & documentation | 150,0 | Arcus Gibb | 2009 - | W Vogelzang | 031 267 8560 |
| Temba / Babelegi Sewage Works | Upgrading of Babelegi 2.5 MI STP and extension of Temba STP from 12 MI/day to 34 MI/day BNR Process. Process and Hydraulic design, process unit design, detailing and documentation | 134,0 | LTE Consulting for Tshwane Municipality | 2008 - | K de Bruin (LTE) Stephen vd Merwe (Tswane) | 012 803 9922 012 358 0691 |
| Upgrade Leeuwkuil & WCW - Emfuleni | Evaluation & Upgrading Rietspruit Leeuwkuil WWTW BNR plants. Process Design / evaluation 1 x 16 MI/day + 19 MI/day. Evaluation report. Design of Leeuwkuil WWTW process modifications & new aeration system | 35,0 | Emfuleni Local Municipality | 2006 – 2008 | C Shreuder | 016 986 8323 082 674 7209 |
| Quaggasfontein Bulk Water and Sanitation | 15 MI Reservoir, Bulk Water & sewerage Scheme comprising 900 to 500 mm water lines, 1 200 to 300 mm sewer lines | 120,0 | Emfuleni Local Municipality | 2006 - 2010 | Sydney Chauke Salome Strydom | 083 238 2576 016 986 8305 |
| Vaal Marina | Vaal Marina Bulk Water and Sanitation | 220,0 | Midvaal Local Municipality | 2006 - 2008 | Mr Bruce Welchman | 016 360 5812 016 366 0323 |
| Meyerton WWTW | Meyerton WWTW and Sludge Dams 10 l/day | 10,0 | Midvaal Local Municipality | 2006 - 2008 | Steph Coetzee | 016 360 5801 |
| Meyerton 8/2/2/61 | Meyerton Sewer Network Upgrade / Extensions | 15,0 | Midvaal Local Municipality | 2005 - 2006 | Charl Moller | 016 360 5812 |
| Elandsrivier WCW | Elandsriver Water Care Works (3 Ml/day) Sewage Works | 18,0 | Maluti-a-Phufong | 2003 - 2005 | Johan Geldenhuys | 058 718 3700 |
| Westonaria WCW | Extension of Sewage Works by 12 Ml/day BNR plant. Process & Hydraulic Design, Element Admin Design, Doc & Execution | 30,0 | Westonaria Municipality | 2002 - 2006 | K Smit | 011 278 3000 082 601 5267 |
| Tshiame WCW | Tshiame Upgrading of Sewage Treatment Works to 3 Ml/day | 6,0 | Maluti-a-Phufong | 2002 - 2003 | Johan Geldenhuys | 058 718 3700 |

SEWAGE EXPERIENCE (Continued)

| PROJECT NAME | PROJECT DESCRIPTION | VALUE Est R x 10 ⁶ | CLIENT | YEAR COMPLETED | REFERENCE | CONTACT NO |
|--------------|----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------|-----------|-----------------|
| Botleng WWTW | 4 Ml BNR Plant. Process & Hydraulic Design, element admin design, document & execution | 12,0 | Victor Khanye Local Municipality | 2000 - 2002 | O Mahlabe | 013 665 6000 |

RESIDENTIAL EXPERIENCE

| PROJECT NAME | PROJECT DESCRIPTION | VALUE Est R x 10 ⁶ | CLIENT | YEAR COMPLETED | REFERENCE | CONTACT NO |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------|-------------------|-------------------|-----------------|
| Vanderbijlpark | Civil services and top structures for residential stands Vanderbijlpark CE7 (phase 2) | 8,0 | Vesco | 2014 | Phillip Vermeulen | 082 652 1020 |
| Vista Park | Bulk and internal services at Vista Park | 30,0 | Emendo | 2013 | Motsamai Mofokeng | 011 867 1160 |
| Villa Liza | Installation of water and sewer network and toilet structures for 673 stands at Villa Liza X3, Boksburg | 21,0 | Emendo | 2013 | Motsamai Mofokeng | 011 867 1160 |
| Bakenpark Township Development, Bethlehem | Bulk Civil Engineering Services for Bakenpark Township incl. water, sewerage, Roads & Stormwater 3000 stands | 100,0 | Dihlabeng Municipality | 2015 | Motsamai Mofokeng | 011 867 1160 |
| Chemcity Industrial Town, Sasolburg | Industrial Township Development in Chemcity, Sasolburg comprising services including Roads, Water, Fire Water, Sanitation & Stormwater | 84,0 | Sasol Chemical Industries | 2011 – 2013 | Joggie Malherbe | 016 960 4084 |
| Vanderbijlpark CE 7 | Civil services and top structures for residential stands Vanderbijlpark CE7 (phase 1) | 15,0 | Riverspray | 2007 | Annalie Huxham | 016 889 9636 |

ROADS EXPERIENCE

| PROJECT NAME | PROJECT DESCRIPTION | VALUE Est R x 10 ⁶ | CLIENT | YEAR COMPLETED | REFERENCE | CONTACT NO |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------|-------------------|-----------------------|------------------------------|
| Omnia Sasolburg | Omnia Sasolburg Henry Road Rehabilitation | 5,6 | Omnia Group | 2013 | Christo Coetzer | (011) 709 8761 |
| Chemcity Industrial Town, Sasolburg | Industrial Township Development in Chemcity, Sasolburg comprising services including Roads, Water, Fire Water, Sanitation and Stormwater | 84,0 | Sasol Chemical Industries | 2011 - 2013 | Joggie Malherbe | 016 960 4084 |
| Heron Banks Golf Estate, Sasolburg | Heron Banks Golf Estate, Sasolburg. ± 430 stands including streets, stormwater, sewerage and water | 22,0 | Sable Homes | 2010 | T. Steyn H van Zyl | 011 463 2223 011 510 9702 |

LOW COST HOUSING EXPERIENCE

| PROJECT NAME | PROJECT DESCRIPTION | VALUE Est R x 10 ⁶ | CLIENT | YEAR COMPLETED | REFERENCE | CONTACT NO |
|----------------------------------|---------------------------------------------------------|-------------------------------------|----------------------------|-------------------|-------------------|---------------|
| Villa Lisa | 1 400 stands in Vila Lisa | 17,0 | Emendo | 2011 – 2012 | Motsamai Mofokeng | 011 867 1160 |
| Embalenhle, Secunda | 1 234 units in Embalenhle Secunda | 16,4 | Jali Kotheni Roadmarking | 2000 - | Mr O Mahlabe | 013 665 6000 |
| Low Cost Housing Project, Delmas | 2 112 units Delmas including bulk and internal services | 100,0 | Mpumalanga Dept of Housing | 1999 - 2005 | Mr O Mahlabe | 013 665 6000 |
| Sport Facility, Sasolburg | Multi-purpose Sport Facility, Sasolburg | 16,0 | | 2013 | Alan Lee | 016 970 8880 |
| Fire Station Frankfort | Additions & Alternatives to Frankfort Fire Station | 7,0 | | 2013 | Alan Lee | 016 970 8880 |